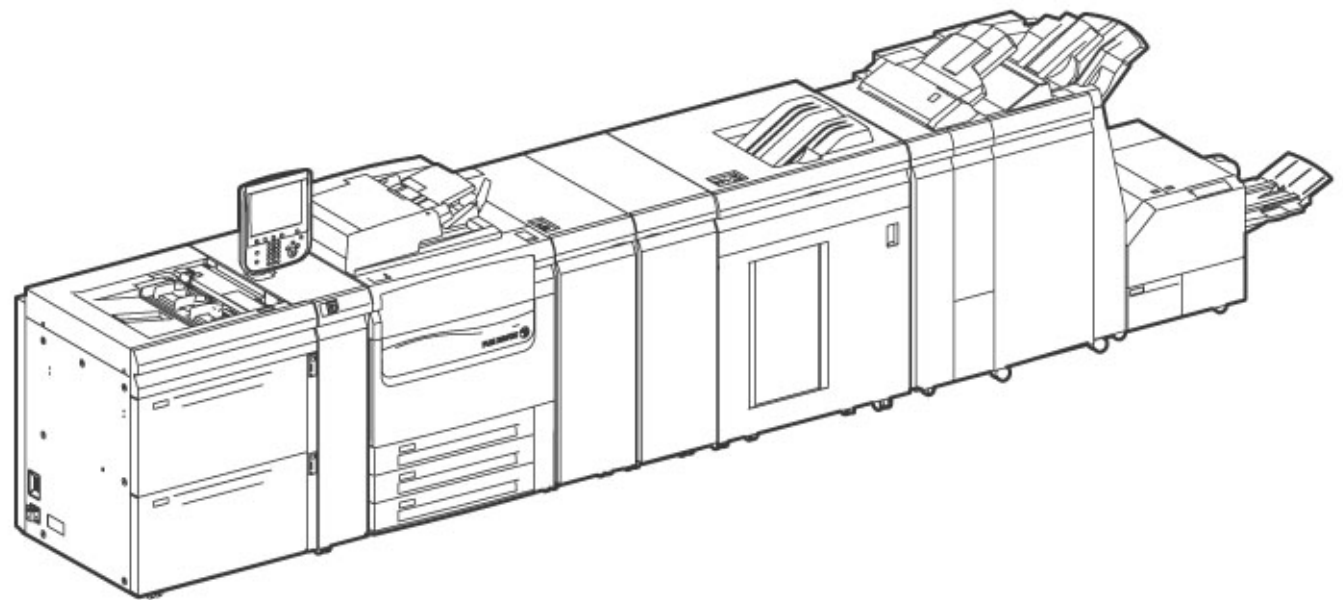




Color J75/C75 Press

Service Manual Ver.1.1 (in PDF)





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Service Manual Ver.1.1 (in PDF)

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● This service manual covers the following models

FUJI XEROX Co. Ltd.
• Color J75/C75 Press

● Related Materials

2000HCF Supplementary
HCF B1-S(2000B1-HCF) Supplementary,
HCF C1-DS(4000C1-HCF) Supplementary,
HCF C2-DS(4000C2-HCF) Supplementary
Finisher C/C1/C2 Supplementary,
Finisher D2/D2P/D3/D4 Supplementary
ESS FIP Common Supplementary

● Confidentiality

- This service manual is issued intending use by maintenance service personnel authorized by FUJI XEROX Co. Ltd. Copying, transferring or leasing this manual without prior consent by FUJI XEROX Co. Ltd. is prohibited.
- When a page becomes irrelevant (e.g. superseded by a replacement page), destroy the page by burning or shredding it.
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● Revision and Modification Information

When design changes or revisions relating to this service manual occur, the overseas technical information or overseas service bulletin may be issued as supplementary information until such changes are accommodated in the updated version of this service manual.

Caution Important changes including revisions of spare part numbers and adjustment specifications must immediately be reflected on the respective pages of this manual.

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0.1 Getting to know this Service Manual

This manual is used as the standard service manual for Color J75/C75 Press.

For more information on the following product options, please refer to the supplementary options service manuals.

Options that can be connected to this product and the versions of the manuals that describe them:

Table 1

No	Option Name	Manual Name	Version	
			PDF	EDOC
1	2000HCF	2000-HCF Supplementary Service Manual	Ver2.3~	Ver2.3~
2	2000B1-HCF	HCF B1-S Supplementary Service Manual	Ver1.3~	Ver1.3~
3	4000C1-HCF	HCF C1-DS Supplementary Service Manual	Ver1.4~	Ver1.4~
4	4000C2-HCF	HCF C2-DS Supplementary Service Manual	Ver1.6~	Ver1.6~
5	Finisher C2	Finisher C/C1/C2 Supplementary Service Manual	Ver2.5~	Ver2.5~
6	Finisher D4	Finisher D2/D2P/D3/D4 Supplementary Service Manual	Ver2.4~	Ver2.4~

A supplementary manual that deals with the Controller FIP in Chapter 2 for this product is also available.

However, the release (Ver 1) contents are the same as those that can be found in this manual.

Table 2

No	Supplementary Contents	Manual Name	Version
1	ESS related FIP	ESS FIP Common Supplementary Service Manual	Ver3.0~

NOTE: The Ver No. of the above supplementary manual is the information at the release of this manual. It will be updated to Ver 1.1, Ver 1.2, and so on when manuals for other machine types are issued. Make sure to always update your manual to the latest version. The revised content consists of new IOT support information and updates to existing information. Please use an updated manual.

- Publication Comment Sheet
Enter any comments and/or corrections regarding this service manual into the Publication Comment Sheet, and send it to the following department.
Japan: Solution Service & Operational Management CS Dept.
APO/GCO: OSG PSD CS&SD SSOMG via OpCo Technical Service Department.

0.2 How to use the Service Manual

This manual describes the standard procedures for the servicing this product. Refer to Chapter 1 Service Call Procedure for efficient and effective servicing during maintenance calls.

For more information on the options, refer to the options manual.

2.1 Contents of Manual

This manual is divided into ten chapters as described below.

- Chapter 1 Service Call Procedure
This chapter describes the general work and servicing procedures for the maintenance of this product.
- Chapter 2 Troubleshooting
This chapter describes the troubleshooting procedures other than image quality troubleshooting for this product.
- Chapter 3 Image Quality Troubleshooting
This chapter describes the image quality troubleshooting procedures for this product.
- Chapter 4 Disassembly/Assembly and Adjustment
This chapter describes the disassembly, assembly, adjustment and replacement procedures for components of this product.
- Chapter 5 Parts List
This chapter contains the spare parts information for this product.
- Chapter 6 General
This chapter contains the following information.
 - 6.1 Specifications
 - 6.2 Tools/Service Consumables/Consumables/Modifications
 - 6.3 Service Data
 - 6.4 Service Mode
- Chapter 7 Wiring Data
This chapter contains the information about the Wiring Connector List/Locations, the Wiring Data, and the BSD for this machine.
- Chapter 8 Accessories
This chapter contains the information on related products.
- Chapter 9 Installation / Removal
This chapter contains the installation and removal procedures for this product and the options that are specific to it.
- Chapter 10 Mechanism & Functions Overview (not yet issued)

2.2 Information on Updating

This manual will be sent to each Service Center as specified below. Revisions must be incorporated correctly to keep the manual up-to-date.

Updating Procedure:

- When the manual is updated, the issue number 'Ver. 1' will be changed to Ver. 1.1, Ver. 1.2, and so on.

0.3 Description for Terminology And Symbols

The terms and symbols used throughout this manual are explained here.

- The terms and symbols used at the beginning of a text are defined as follows:

Danger

Indicates an imminently hazardous situation, such as death or serious injury if operators do not handle the machine correctly by disregarding the statement.

Warning

Indicates a potentially hazardous situation, such as death or serious injury if operators do not handle the machine correctly by disregarding the statement.

CAUTION

Indicates a potentially hazardous situation, such as injury or property damage if operators do not handle the machine correctly by disregarding the statement.

Instruction: Used to alert you to a procedure which, if not strictly observed, could result in damage to the machine or equipment.

NOTE: Used when work procedures and rules are emphasized.

NOTE:Used when other explanations are given.

Purpose

Used to describe the purposes of Adjustment and Troubleshooting.

REP: Indicates the disassembly/assembly procedure for reference.

ADJ: Indicates the adjustment procedure for reference.

PL: Indicates the parts list for reference.

Terminology

Table 1 Terminology

Terminology	Description
Assy	Means Assembly.
TEC Value	Abbreviation of Typical Electricity Consumption, which means the standard power consumption. Read as 'tec'.

Safety Critical Components (SCC)

For the safety control of the Safety Critical Components and the components specified, follow the regulations regarding the Safety Critical Components set by Fuji Xerox Co., Ltd.

As to replacement of any component designated SCC, the complete component unit must be replaced. It must never be disassembled or no individual internal parts of it must be replaced.

Installation of any part other than the ones designated by Fuji Xerox Co. Ltd. shall be strictly prohibited because it cannot be guaranteed in quality and safety.

Important Information Stored Component (ISC)

This component stores all the important customer information that is input after the installation. When performing replacement, follow the procedures in 'Chapter 4 Disassembly/Assembly and Adjustment' to replace/discard. Make absolutely sure that no customer information gets leaked outside.

Chapter 1 Service Call Procedure

1 Service Call Procedure

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1.1 Before Starting the Servicing

1.1.1 Safety

To prevent any accident that may occur during a maintenance service, any warning or any caution regarding the servicing must be strictly observed. Do not perform any hazardous operation.

1. Power Supply

To prevent electrical shocks, burns, or injury, etc., be sure to switch OFF the machine and disconnect the plug before starting the maintenance service. If the machine has to be switched ON, such as when measuring the voltage, take extra care not to get an electrical shock.

2. Drive Area

Never inspect, clear or lubricate the drive area such as chain belts, chain wheel or gears during the machine operation.

3. Heavy Parts

- Always work in a pair when removing or installing heavy parts as shown below.
 - DADF-250 (Color) Assembly: 20.33 kg

Even when removing or installing heavy parts other than the above mentioned, take extra care of your working posture to prevent a possible backache.

4. Safety Device

See that safety devices for preventing mechanical accidents, such as fuses, circuit breakers, interlock switches, etc., and those for protecting customers from injury, such as panels and covers, function properly. Modifications that hinder the function of any safety devices are strictly prohibited.

5. Installing and Removing Parts

The edge of parts and covers may be sharp, take care not to touch them. Be careful not to touch those parts, and wipe off any oil that may have adhered to your fingers or hands before servicing. When removing parts or cables, do not pull them out by force but remove them slowly.

6. Specified Tools

Follow the instruction when a tool is specified.

7. Cleaning the Toner and Developer

As the toner can be explosive, sweep or brush the spilled toner into a container for collecting the sweepings.

Clean away the remaining toner with a damp cloth or use an FX standard vacuum cleaner that is toner-tolerant. Never use the customer's vacuum cleaner.

Do the same when cleaning the Developer because it also contains some toner.

8. Organic Solvents

When using an organic solvent such as the Drum Cleaner or Machine Cleaner, pay attention to the following:

- Ensure good ventilation in the room to prevent too much inhalation of solvent fumes.
- Do not use heated solvent.
- Keep it away from fire.
- Wash your hands thoroughly after use.

9. Earthquake Preparedness Measures

[FX]

If the customer requests for earthquake proofing, the Earthquake Preparedness Kit (ZB38) is available.

Also, a new Earthquake Preparedness Kit (IOT/H: F5004-TZH) is available to enable the installation on a flat and smooth surface such as plastic tiled or raised floor.

For details on the new Earthquake Preparedness Kit that is common for all machine types, refer to FTI No.3-450.

10. Modifications to the Machine

Before altering the machine, submit the irregular use license application.

11. Harmful Laser

The customer or service personnel would not be exposed to any harmful laser during the usual copying or scanning of documents. However, if a customer finds that the lamp that is used for exposing documents is too bright when performing platen copy or scan, it is possible to block the light from the platen glass by covering the portion of the platen document area that is usually not used for copying or scanning documents.

12. Other Safety Precautions

For safety, you should also pay attention to precautions other than the above items 1 to 11. Follow the instructions below to ensure greater safety during servicing.

- Japan: Safe Working Practices for Engineers issued by Solution Service & Operational Management CS Dept.
- APO/GCO: Safe Working Practices for Engineers issued by FX OSG and APO RTS

1.1.2 Things to Take Note When Handling Customer Information

1. Handling of customer's electronic information - samples of copy/print/received fax (paper data), log files (Activity Report), and etc.

Before you bring back any samples for the purpose of investigation/analysis, always obtain permission from the customer. Make sure to assure them that the data will not be used for any other purpose. When requesting for a retrieval application from the customer, either use the 'FX Data Security Regulations: Annex 15 - Confidential Information/Personal Information Request Form (IS-019)' or use a letterhead that has been specified by the customer after obtaining their agreement.

2. Handling of a PWB/HDD, etc. that contains customer information.

Data such as Fax Address Numbers and URLs that are registered in the customer's machine are all important customer information. These types of information are stored in the PWB/HDD, etc. within the machine. Take extra care when handling them.

- (1) In case of replacements, transfer the data to the new PWB/HDD and make sure that all data in the old components are thoroughly erased before disposing them. Make sure that no important customer information gets leaked. (For details, refer to the preface in Chapter 4 and 5)
- (2) If a component was replaced and it was not found to be the cause of the malfunction, return it to the machine it came from. (For components that were temporarily installed/removed for troubleshooting, etc. clear the data using Diag, etc.)
- (3) When unable to electrically erase the data in the HDD and the customer has requested for it, destroy the HDD (charges applies).

3. Security related NVM values that were changed during maintenance.

If any security related NVM values, such as polling, were set for test purposes, make sure you return them to their original values after the test. (E.g.: for the details on polling that is common to all machine types, refer to FTO 2-202)

4. When connecting our company machine to the customer's network during maintenance, make sure that you have gone through the person-in-charge to obtain permission from the customer's systems administrator (or person-in-charge) before proceeding.

5. Other things to take note when handling customer data

When handling customer data, you should also pay attention to precautions other than the above items 1 to 4.

[Japan]

Follow 'Comprehensive Protection for Customer Information Assets. Do it now! Do it together!' issued by Solution Service & Operational Management CS Dept and ensure that customer data do not get leaked out when servicing.

[APO/GCO]

Follow the safety guidelines established within the OpCo and ensure that customer data do not get leaked out when servicing.

1.1.3 Other Precautions

Pay attention to the following when performing maintenance service to avoid wrong or redundant servicing:

1. Reference Materials
Before performing maintenance servicing, read all relevant technical materials such as SB, FTI, or FTO to make a systematic approach.
2. Disassembling
Make sure to check the assembled condition before removing parts or disassembling the machine.
3. Installation/Adjustment
After the installation or adjustment is complete, check that no parts or tools are left inside or on the assemblies before using the machine.
4. Handling of replaced parts/consumables
Make sure that the replaced parts or consumables as well as their packaging materials are collected back to the Service Center.

For the separation and processing methods for the collected items, refer to the Common Technical Information No. 2-027 for all machines.

- Drum Cleaner

WARNING

Never discard the Drum Cleaner into a fire. Always keep it from open flames to prevent it from catching and causing a fire. Always dispose of the Drum Cleaner after it is completely used up. For recyclable parts, fill the necessary items in the "U-TAG" and perform collection.

5. General Precautions
 - Take care not to disturb the customer's daily work.
 - Place the drip cloth or newspapers at the servicing area to keep the site clean.
 - Throw any trash generated during the maintenance service into a trash bag and bring them back to the Service Center.
 - Record clearly the service details and the consumables and parts replaced at visit in the Machine Service Log.

1.2 Service Call Procedure

1.2.1 Initial Actions

1. Ask the operator(s) about the machine condition.
2. Record the billing meter readings.
3. Inspect any error copies and error prints, then check the machine.
4. Check the Service Log.

1.2.2 When UM is requested, perform the following:

1. Perform troubleshooting.
If there are no applicable items, troubleshoot by referring to the BSD.
2. Check the copy/print quality. Make several A3 copies using the Test Chart (499T 00276) and check the copy quality.
 - Check each drum, the IBT, and the Heat Roll for scratches.
 - Check the copy quality (Y, M, C, K) for the color balance, color shift, density (color) unevenness, and poor low density reproducibility.
3. Enter the UI Diag and check the following counters.

Table 1

Counter Names	Check Items
DC135 HFSI Counter (Note)	Replace the parts whose expiration date is near/has passed.
DC118 Jam Counter	Check the items where paper jam occurs frequently.
DC120 Fail Counter	Check the items where failures occur frequently.

NOTE: When replacing parts that will incur cost to the customer, obtain the customer's agreement before performing the replacement.

4. Repair all the secondary problems.
5. Perform TRIM Service.

1.2.3 When SM is requested, perform the following:

1. Check the copy/print quality. Make several A3 copies using the Test Chart (499T 00276) and check the copy quality.
 - Check each drum, the IBT, and the Heat Roll for scratches.
 - Check the copy quality (Y, M, C, K) for the color balance, color shift, density (color) unevenness, and poor low density reproducibility.
2. Enter the UI Diag and check the following counters.

Table 2

Counter Names	Check Items
DC135 HFSI Counter (Note)	Replace the parts whose expiration date is near/has passed.
DC118 Jam Counter	Check the items where paper jam occurs frequently.
DC120 Fail Counter	Check the items where failures occur frequently.

NOTE: When replacing parts that will incur cost to the customer, obtain the customer's agreement before performing the replacement.

3. Perform TRIM Service.
4. (Color MC only) Perform [Calibration].

1.2.4 Final Actions

1. Check overall operation/features.
2. Check the machine exterior and consumables.
3. Train the operator as required.
4. Complete the Service Log and Service Report.
5. Keep the copy and print samples with the Service Log.

1.3 Detailed Contents of the Service Call

1.3.1 Initial Actions

1. Ask the operator(s) about the machine condition.
 - How often and where do paper jams have been occurring recently
 - Copy/print quality levels
2. Record the billing meter readings.
3. Inspect any error copies and error prints, then check the machine.
4. Check the copy and print samples from previous service calls and the Service Log.

1.3.2 Checking Reproducibility of Problem

1. Check the problem status by carrying out Level 1 Troubleshooting in 'Chapter 2 Troubleshooting'.
2. Perform the appropriate items in the Level 2 Troubleshooting in 'Chapter 2 Troubleshooting'.
3. If there are no applicable items, troubleshoot by referring to 'Chapter 7 BSD'.

1.3.3 Checking Copy Quality

1. Check the copy/print quality. Make several A3 copies using the Test Chart (499T 00276) and check the copy quality.
 - Check each drum, the IBT, and the Heat Roll for scratches.
 - Check the copy quality (Y, M, C, K) for the color balance, color shift, density (color) unevenness, and poor low density reproducibility.

1.3.4 TRIM Servicing

Perform TRIM servicing during a service call to maintain the machine performance.

1. Follow the TRIM checklist to perform the required TRIM items. The following items must always be performed during a service call.
 - Check the Waste Toner Bottle
2. Check for parts that require periodical cleaning/replacement (consumables, parts) by referring to the Periodic Replacement Parts/Consumables List and the Report/List (HFSI Counter), and clean them if necessary. After replacement, always clear the relevant counters on the DC135 HFSI screen.

1.4 TRIM Check List

During every service call, perform the following items.

Table 1

No.	Servicing Items	Service Details
1	Check Items before Servicing	• Check the overall copy quality using the Test Chart (including checking of machine operating sound)
2	Check Items before Servicing	• Check the HFSI/Jam/Failure Counters
3	Check Items before Servicing	• Check for uneven density/deletion/Drum scratches/IBT Belt scratches, etc. in A3 ROS Halftone
4	Clean the interior of the machine (Clean the paper transport system)	1. Check and clean the paper transport roller (including MSI). 2. Check and clean the toner residue on the paper transport path (including Fusing Chute), as well as the contamination, paper dust, and paper strips on the jam sensor.
5	Clean the Optics/DADF	1. Clean the Platen Cushion, surface of Platen Glass, and CVT Glass using the optical cleaning cloth. 2. Clean the DADF Nudger/Feed/retard Roll and the CCD (CIS) for 2 Sided auto scanning
6	Clean the Finisher (300kPV)	Clean the Chute/Roller/Sensor of the Finisher paper transport path
7	Perform Calibration	Perform Calibration -> Perform for copying and printer 1. NOTE: • <i>When Color Balance has been set by customer -> It is necessary to check with customer</i>
8	Functional Check	Functional Check • Copy Function/Printer Function/FAX Function etc.
9	Consumable Component Check	1. Check the remaining amount in the Toner Cartridge, Toner Waste Bottle and paper trays. Replace them if necessary. 2. Clean the operating parts (around the Toner Cartridge and Toner Waste Bottle)
10	Safety Precautions	1. Make sure that the power plug is plugged in properly. 2. Make sure that there are no cracks on the power plug and the cable core is not exposed. 3. Make sure that no extension cord with insufficient capacity or power cord outside the specification for off-the-shelf power strips is used. 4. Make sure that a single socket does not have multiple power plugs plugged into it.
11	Check Items after Servicing	1. Check the overall copy quality (print quality) using the Test Chart. 2. Check the meter

1.5 Periodic Replacement Parts

When servicing, check the parts that require periodical replacement for the number of copies, the number of revolution of the Drum/Transfer Belt, and the number of fed sheets at servicing. Replace them if necessary. The history can be checked in the DC135 HFSI of Diag. mode (refer to 'Chapter 6 Service Mode'). For the items that cannot be checked in HFSI, clean or replace them according to the replacement intervals (standard PV).

CAUTION

Do not place the drawing materials such as toner, developer, and drum in the car for long periods of time.
The Periodic Replacement Parts that are necessary to maintain the Main Unit's functions/performance until the end of its lifespan are as follows.

The following shows a guideline of replacement intervals. The replacement should be performed by CE.

Table 1

No	Item	Replacement Interval	PL No.	HFSI	Reference
1	IBT Belt	600 kPV	PL 6.3 Item 14	954-814	
2	IBT Cleaner Assy	300 kPV	PL 6.3 Item 1	954-815	Clean HP Sensor.
3	2 nd BTR Roll Assembly	300 kPV	PL 14.1 Item 2	954-813	
4	Developer and Developer Housing Kit	1,500 kPV	PL 8.6 Item 10 (Y) PL 8.6 Item 11 (Y) PL 8.6 Item 12 (M) PL 8.6 Item 11 (M) PL 8.6 Item 13 (C) PL 8.6 Item 11 (C) PL 8.6 Item 4 (K) PL 8.6 Item 5 (K)	954-805 (Y) 954-806 (M) 954-807 (C) 954-808 (K)	When replacing this due to Spec Life, replace the Developer and the Developer Housing Kit at the same time.
5	Fusing Unit	200 kPV	Standard #0: PL 7.1 Item 2 Standard #1: PL 7.1 Item 2 Standard #2: PL 7.1 Item 2 Standard #3: PL 7.1 Item 2 Standard #4: PL 7.1 Item 2 Standard #5: PL 7.1 Item 2 Standard #6: PL 7.1 Item 2 Standard #7: PL 7.1 Item 2 Thick #0: PL 7.1 Item 2 Thick #1: PL 7.1 Item 2 Thick #2: PL 7.1 Item 2 Thick #3: PL 7.1 Item 2 Thick #4: PL 7.1 Item 2 Thick #5: PL 7.1 Item 2 Thick #6: PL 7.1 Item 2 Thick #7: PL 7.1 Item 2 Envelope: PL 7.1 Item 2	954-819 954-857 954-858 954-859 954-860 954-861 954-862 954-863 954-850 954-864 954-865 954-866 954-867 954-868 954-869 954-870 954-851	A4 LEF conversion. Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2
6	Suction Filter Ozone Filter	840 kPV	PL 4.1 Item 17 PL 4.1 Item 18	954-817	Count Up: Paper length in Process direction is shorter than 216.0 mm: BW/+1, FC/+2 Paper length in Process direction is 216.0 mm or longer: BW/+2, FC/+4
7	CC Filter	280 kPV	PL 4.3 Item 1	954-816	Count Up: Paper length in Process direction is shorter than 216.0 mm: BW/+1, FC/+2 Paper length in Process direction is 216.0 mm or longer: BW/+2, FC/+4

Table 1

No	Item	Replacement Interval	PL No.	HFSI	Reference
8	Each Tray:Feed/Nudger/Retard Roll	300 Kfeed	#1: PL 11.7 Item 4 #2: PL 11.7 Item 5 #3: PL 11.7 Item 6	954-820 (#1) 954-821 (#2) 954-822 (#3)	Replace the Feed/Nudger/Retard Rolls at the same time.
9	MSI:Feed/Nudger/Retard Roll	300 Kfeed	Feed: PL 13.6 Item 14 Nudger: PL 13.6 Item 15 Retard: PL 13.6 Item 13	954-823	Replace the Feed/Nudger/Retard Rolls at the same time.
10	IOT:Takeaway Roll ASSY	1,500 Kfeed	#1: PL 11.3 Item 8 #2: PL 11.3 Item 8 #3: PL 11.3 Item 8	954-826 (#1) 954-827 (#2) 954-828 (#3)	
11	MSI:Takeaway Roll ASSY	300 Kfeed	MSI: PL 15.6 Item 14	954-829 (MSI)	
12	Takeaway Clutch 1,2,3	1,500 Kfeed	#1: PL 11.12 Item 5 #2: PL 11.12 Item 5 #3: PL 11.12 Item 5	954-832 (#1) 954-833 (#2) 954-834 (#3)	
13	Each Tray: Feeder Unit	1,500 Kfeed	#1: PL 11.1 Item 13 #2: PL 11.1 Item 13 #3: PL 11.1 Item 13 MSI: PL 13.1 Item 1	954-835 (#1) 954-836 (#2) 954-837 (#3) 954-838 (MSI)	
14	DADF-250 Feed Roll	200 Kfeed	PL 54.18 Item 3	--	
15	DADF-250 Nudger Roll	200 Kfeed	PL 54.18 Item 4	--	
16	DADF-250 Retard Roll	200 Kfeed	PL 54.21 Item 4	--	
17	2000HCF:Feed/Nudger/Retard Roll	300 Kfeed	Feed: PL 28.5 Item 22 Nudger: PL 28.5 Item 23 Retard: PL 28.6 Item 1	954-824	Replace the Feed/Nudger/Retard Rolls at the same time.
18	2000HCF: Takeaway Roll ASSY	1,500 Kfeed	Takeaway Roll: PL 28.7 Item 18	954-830	
19	2000B1-HCF:MSI Takeaway Roll	1,500 Kfeed	MSI Takeaway Roll: PL 33.22 Item 3	954-854	
20	2000B1-HCF:Tray Feed/Retard/Nudger Roll	300 Kfeed	Feed: PL 33.12 Item 16 Nudger: PL 33.12 Item 14 Retard: PL 33.15 Item 6	954-855	Replace the Feed/Nudger/Retard Rolls at the same time.
21	2000B1-HCF:Takeaway Roll	1,500 Kfeed	Takeaway Roll: PL 33.13 Item 9	954-856	
22	4000C1-HCF:Tray 1 Feed/Retard/Nudger Roll	300 Kfeed	Feed: PL 31.12 Item 16 Nudger: PL 31.12 Item 14 Retard: PL 31.15 Item 6	954-840	[Color C75 Press Only] Replace the Feed/Nudger/Retard Rolls at the same time.
23	4000C1-HCF:Tray 2 Feed/Retard/Nudger Roll	300 Kfeed	Feed: PL 31.12 Item 16 Nudger: PL 31.12 Item 14 Retard: PL 31.15 Item 6	954-841	[Color C75 Press Only] Replace the Feed/Nudger/Retard Rolls at the same time.
24	4000C1-HCF:MSI T/A Roll	1,500 Kfeed	MSI Takeaway Roll: PL 31.22 Item 3	954-839	[Color C75 Press Only]
25	4000C1-HCF:Tray 1 Takeaway Roll	1,500 Kfeed	Tray 1 Takeaway Roll: PL 31.13 Item 9	954-842	[Color C75 Press Only]
26	4000C1-HCF:Tray 2 Takeaway Roll	1,500 Kfeed	Tray 2 Takeaway Roll: PL 31.13 Item 9	954-843	[Color C75 Press Only]
27	4000C2-HCF:Tray 1 Feed/Retard/Nudger Roll	300 Kfeed	Feed: PL 31.12 Item 16 Nudger: PL 31.12 Item 14 Retard: PL 31.15 Item 6	954-872	[Color J75 Press Only] Replace the Feed/Nudger/Retard Rolls at the same time.

Table 1

No	Item	Replacement Interval	PL No.	HFSI	Reference
28	4000C2-HCF:Tray 2 Feed/Retard/Nudger Roll	300 Kfeed	Feed: PL 31.12 Item 16 Nudger: PL 31.12 Item 14 Retard: PL 31.15 Item 6	954-874	[Color J75 Press Only] Replace the Feed/Nudger/Retard Rolls at the same time.
29	4000C2-HCF:MSI T/A Roll	1,500 Kfeed	MSI Takeaway Roll: PL 32.22 Item 3	954-871	[Color J75 Press Only]
30	4000C2-HCF:Tray 1 Takeaway Roll	1,500 Kfeed	Tray 1 Takeaway Roll: PL 32.13 Item 9	954-873	[Color J75 Press Only]
31	4000C2-HCF:Tray 2 Takeaway Roll	1,500 Kfeed	Tray 2 Takeaway Roll: PL 32.13 Item 9	954-875	[Color J75 Press Only]
32	Drum Cartridge	158 kPV	PL 8.1 Item 21	954-800 (Y)	
			PL 8.1 Item 22	954-801 (M)	
			PL 8.1 Item 23	954-802 (C)	
		373 kPV	PL 8.1 Item 1	954-803 (K)	
33	Decurler Transport Assy	300 kPV	PL 7.1 Item 4	954-846	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2

Chapter 2 Troubleshooting

2 Troubleshooting

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Table 1

Voltage	Level	Range
+24VDC	(H)	+23.28 ~ +25.73VDC
	(L)	0.0 ~ +3.0VDC

- Exit the problem analysis procedure.
Mechanical problems: This phrase is used when moving to machine adjustment and parts replacement. Read all the items (describing the main causes) and find out the causes of a problem by comparing them with the symptoms shown by the machine.
- PL4.2: Refer to PL4.2 in Chapter 5 Parts List.
- CH 6.2 Zone J4: Refer to 6.2 Zone J4 in Chapter 9 BSD.
- REP 4.1.3: Refer to REP 4.1.3 in Chapter 4.
- ADJ 4.1.3: Refer to ADJ4.1.3 in Chapter 4.
- Replace the parts in sequence: When it is impossible to analyze causes of a problem further, replace the parts in sequence. The part with a higher replacement frequency or higher possibility of causing a problem is listed first for replacement.

2.1.3 How to use Controller FIP

Due to standardization of Controllers, some machines with different names have the common Controller installed. They also display the same Fault Code.

2.3 Controller FIP in this manual describes all the Faults FIPs for the machine-independent Controllers.

Therefore, some Fault FIPs are not displayed in some machines. In that case, they must be ignored. Refer to the corrective actions for the displayed Fault to repair the trouble. The following shows the flow of actual use.

- Refer to the FIP corresponding to the displayed 6-digit Fault Code.
- Follow the instructions in the FIP and proceed with the corrective action.
- When the following items are stated in the corrective action, perform the appropriate corrective actions to repair the trouble. If the problem persists, obtain the logs and request Support G for support to repair the trouble.
 - Refer to 'OF-xx'.
 - Perform 'NET System Failure Check'.
 - Obtain 'LOG'.
 - Perform 'Software Download'.

Though the repair procedures for those are not stated in FIP, they are stated in a referenced section. Refer to the referenced section to proceed with the procedures.

NOTE: Some codes in IOT Fault Code (024-xxx) are repeated in 2.2 IIT, IOT & Option FIP. In that case, refer to the procedures in both sections.

NOTE: In OF-xxx, the replacing parts 'IISS PWB', 'IOT PWB', and 'ESS PWB' are used. However, they are also referred to as IIT/IPS PWB, MCU PWB, and Mother PWB respectively in some machines. The function names need to be replaced with machine-specific PWB to perform replacement.

2.1.4 Controller Chain-Link No. Definition

1. Chain No. Definition

Chain No. is used to identify the Controller module in which an error has occurred.

Table 1

ChainNo	Subsystem Name	Description
X02	CONT(UI-EWS)	Detected by the EMS function module of the Controller.
X03	CONT (IITsc)	Detected by the IIT function module of the Controller.
X05	DADF	Detected by the DADF function module of the Controller.
X10	Fusing Unit	Detected by the Fusing Unit function module of the Controller.
X11	Sorter	Detected by the MailBoxSorter function module of the Controller.
X12-X15	Finisher(OUT)	Detects Finisher-related errors under the Cont's control.
X16	ESS (Back End)	Detected by the DADF function module of the Controller.
X17	ESS (Front End)	Detected by the DADF function module of the Controller.
X18	Network Connect	Detects Network Connect-related errors under Cont's control.
X21	CONT (EP)	Detects EP-related errors under Cont's control.
X22	EP Acc side	Detects EP Accessory-related errors under Cont's control.
X23	Panel (Web included)	Detects Panel-related errors under Cont's control.
X24	CONT (IOTsc)	Detects IOTsc-related errors under Cont's control.
X25	CONT (PSW I/F)	Detects PSWI/F-related errors under Cont's control.
X26	CONT (JRM and others)	Detects JRM-related errors under Cont's control.
X27	CONT (external I/F)	Detects External IF-related errors under Cont's control.
X31	CONTExtension Board	Detects Extension Board-related errors under Cont's control.
X33	CONT (FAX)	Detects FAX-related errors under Cont's control.
X34	FaxCard	FaxCard Mother detects errors.
X35	FaxCard(G3)	The G3 function module of FaxCard detects errors. 035-5xx is for FAXmini.
X36	FaxCard(G4)	The G4 function module of FaxCard detects errors.
X38	DGS(MDSS)	Detects MDSS-related errors under Cont's control.
X39	DGS(MDS)	Detects MDS-related errors under Cont's control.
X41	IOT(Mgr)	Detects Manager-related errors under Cont's control.
X42	IOT(Drive)	Detects Drive-related errors under Cont's control.
X45	IOT(IM)	Detects IM-related errors under Cont's control.
X46	IOT(HVPS)	Detects HVPS-related errors under Cont's control.
X47	IOT(OutCon)	Detects OutCon-related errors under Cont's control.
X48	IF Module	Detects errors related to IF for HCS/Finisher under Cont's control.
X49	HCS	Detects HCS-related errors under Cont's control.
X50	Cont(JAM-Zone)	Detects JAM-related errors under Cont's control.
X61	IOT (ROS)	Detects ROS-related errors under Cont's control.

Table 1

ChainNo	Subsystem Name	Description
X62	IISS	Detects IIT-related errors under Cont's control.
X63	IISS(Ext)	Detects IIT Extension Board-related errors under Cont's control.
X65	DADF-250	Detects DADF-related errors under Cont's control.
X71-X78	IOT(PH)	Detects Paper Handling-related errors under Cont's control.
X89	RegiCon	Detects RegiCon-related errors under Cont's control.
X91	IOT(Xero)	Detects Xero-related errors under Cont's control.
X92	IOT(ProCon)	Detects Xero-related errors under Cont's control.
X93	IOT(Deve)	Detects ProCon-related errors under Cont's control.
X94	IOT(Xfer)	Detects Transfer-related errors under Cont's control.

2. Link No. Definition and Error Classification

Classifications of the occurred errors are identified by Link No.

Table 2

Link No	Error Classification	Description
210~299	Local Fail	This is an error that must not occur, or 'Failure'. Some parts of the service or service function that uses an accessory or connected device cannot operate because the accessory or connected device cannot operate. CE Diag functions are available. However, a user can clear user installed options by replacing them.
210~299	Service Fail	This is an error that must not occur, or 'Fatal Failure'. Fax services and Media services cannot be provided because the USB-IF connected FaxCard/MediaDrive machine, etc. has a failure/abnormal operation in an externally connected part or even in the same machine package. However, the services that do not affect the faulty part, such as Copy Service and Scan Service, can be executed.
310~399	System Fail/Sub System Fail	This is an error that must not occur, or 'Fatal Failure'. Users can only perform recovery by turning the power OFF then ON. The machine cannot perform system or subsystem operations and it needs maintenance. The Diag. functions can be operated for CE purpose but the system fail at Cont initialization (startup) guarantees only the DC131 NVM Read/Write and DC132 operations. Other Diag. may be operated but not guaranteed.
400~498	Time Bomb (Information)	This fail occurs in normal operation, so it is not referred to as 'Failure' but needs 'Any Actions'. Notify the machine state in which user operation is temporarily limited and 'why the machine cannot be operated immediately'. Notify the expected life (ERU life expectation) of consumable replacement parts.

Table 2

Link No	Error Classification	Description
600~699	Hidden Fail or History	<p>This is not defined as 'Failure'. This is a fault that does not affect job operations and does not need to notify users. This may be repaired automatically by the machine.</p>
700~799	Job Fail	<p>This also occurs in normal operation and is not defined as 'Failure'. This failure occurs when the system detects that job operation cannot be continued. At the time when error is detected, the process is aborted. This is a fault that can be recovered by repeating the operation. If the fault persists after repeating the operation, it becomes a 'Trouble'. In this case, a software failure may cause the trouble.</p>
700~799	Warning	<p>This also occurs in normal operation and is not defined as 'Failure'. Warning is issued only during job execution. If a user operation instruction cannot be performed as desired due to [any conditions], the job is continued by changing the settings in the device and the message [Job is continued by changing settings] is displayed in the panel.</p>
910~990	Operation Error/Notice Error	<p>This also occurs in normal operation and is not defined as 'Failure'. At the time when error is detected, the job is paused and the user interruption screen is displayed in the panel. This is a fault with which the job can be continued by clearing the cause.</p>

005-121 DADF Feed Sensor On Jam

BSD-ON:CH5.4

The DADF Feed Sensor does not turn ON within the specified time after the Pre Feed has started.

Cause/Action

Check the following:

- Transportation failure due to foreign substance in the document path.
- The surface of the Feed Roll and Nudger Roll for foreign substances.
- The surface of the Feed Roll and Nudger Roll for wear.
- The DADF Feed Sensor (DC330 [005-204]) for operation failure. (PL 54.17)
- The DADF Feed Clutch (DC330 [005-062]) for operation failure. (PL 54.6)
- The DADF Feed Motor (DC330 [005-010]) for operation failure. (PL 54.6)
- The Nudger Roll for Nip operation failure.
- The Drive Gear for wear and damage.

If no problem is found, replace the DADF PWB. (PL 54.3)

005-122 DADF Simplex/Side 1 Pre Regi Sensor On Jam

BSD-ON:CH5.5, CH5.4

- The DADF Pre Regi Sensor does not turn ON within the specified time after DADF Feed Sensor On for the first document.
- The DADF Pre Regi Sensor does not turn ON within the specified time after the pre registration operation has started for the second and later documents.

Cause/Action

Check the following:

- Transportation failure due to foreign substance in the document path.
- The surface of the Feed Roll, Nudger Roll, and Takeaway Roll for foreign substances.
- The surface of the Feed Roll, Nudger Roll, and Takeaway Roll for wear.
- The DADF Pre Regi Sensor (DC330 [005-206]) for operation failure. (PL 54.17)
- The DADF Pre Regi Motor (DC330 [005-024]) for operation failure. (PL 54.7)
- The DADF Feed Clutch (DC330 [005-062]) for operation failure. (PL 54.6)
- The DADF Feed Motor (DC330 [005-010]) for operation failure. (PL 54.6)
- The Drive Gear for wear and damage.

If no problem is found, replace the DADF PWB. (PL 54.3)

005-123 DADF Simplex/Side 1 Regi Sensor On Jam

BSD-ON:CH5.6, CH5.5

The DADF Regi Sensor does not turn ON within the specified time after the DADF Pre Regi Sensor On.

Cause/Action

Check the following:

- Transportation failure due to foreign substance in the document path.
- The surface of the Takeaway Roll and Pre Regi Roll for foreign substances.
- The surface of the Takeaway Roll and Pre Regi Roll for wear.
- The DADF Regi Sensor (DC330 [005-110]) for operation failure. (PL 54.25)
- The DADF Pre Regi Sensor (DC330 [005-206]) for operation failure. (PL 54.17)
- The DADF Baffle Solenoid (DC330 [005-065]) for operation failure. (PL 54.7)
- The DADF Pre Regi Motor (DC330 [005-024]) for operation failure. (PL 54.7)
- The Drive Gear for wear and damage.

If no problem is found, replace the DADF PWB. (PL 54.3)

005-124 DADF Lead Regi Sensor On Jam

BSD-ON:CH5.6

The DADF Lead Regi Sensor does not turn ON within the specified time after the Read operation has started (the DADF Regi Motor has turned ON).

Cause/Action

Check the following:

- Transportation failure due to foreign substance in the document path.
- The surface of the Regi Roll for foreign substances.
- The surface of the Regi Roll for wear.
- The DADF Lead Regi Sensor (DC330 [005-207]) for operation failure. (PL 54.8)
- The DADF Regi Motor (DC330 [005-035]) for operation failure. (PL 54.8)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-125 DADF Regi Sensor Off Jam

BSD-ON:CH5.6, CH5.7

The DADF Regi Sensor does not turn OFF within the specified time after the Read operation has started (the DADF Regi Motor has turned ON).

Cause/Action

Check the following:

- Transportation failure due to foreign substance in the document path.
- The surface of the Regi Roll, Platen Roll, and Out Roll for foreign substances.
- The surface of the Regi Roll, Platen Roll, and Out Roll for wear.
- The DADF Regi Sensor (DC330 [005-110]) for operation failure. (PL 54.25)
- The DADF Regi Motor (DC330 [005-035]) for operation failure. (PL 54.8)
- The DADF Platen Motor (DC330 [005-047]) for operation failure. (PL 54.9)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-126 DADF Out Sensor On Jam**BSD-ON:CH5.7, CH5.6**

The DADF Out Sensor does not turn ON within the specified time after the Read operation has started (the DADF Regi Motor has turned ON).

Cause/Action

Check the following:

- Transportation failure due to foreign substance in the document path.
- The surface of the Regi Roll and Platen Roll for foreign substances.
- The surface of the Regi Roll and Platen Roll for wear.
- The DADF Out Sensor (DC330 [005-208]) for operation failure. (PL 54.22)
- The DADF Platen Motor (DC330 [005-047]) for operation failure. (PL 54.9)
- The DADF Regi Motor (DC330 [005-035]) for operation failure. (PL 54.8)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-127 DADF Out Sensor Off Jam**BSD-ON:CH5.7, CH5.10**

The DADF Out Sensor does not turn OFF within the specified time after the DADF Regi Sensor has turned OFF.

Cause/Action

Check the following:

- Transportation failure due to foreign substance in the document path.
- The surface of the Platen Roll, Out Roll, and Exit Roll for foreign substances.
- The surface of the Platen Roll, Out Roll, and Exit Roll for wear.
- The DADF Out Sensor (DC330 [005-208]) for operation failure. (PL 54.22)
- The DADF Platen Motor (DC330 [005-047]) for operation failure. (PL 54.9)
- The DADF Exit Motor (DC330 [005-059]) for operation failure. (PL 54.10)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-128 DADF Simplex Exit Sensor On Jam**BSD-ON:CH5.10, CH5.7**

The DADF Exit Sensor does not turn ON within the specified time after the DADF Out Sensor On at Simplex Mode.

Cause/Action

Check the following:

- Transportation failure due to foreign substance in the document path.
- The surface of the Platen Roll and Out Roll for foreign substances.
- The surface of the Platen Roll and Out Roll for wear.
- The DADF Exit Sensor (DC330 [005-209]) for operation failure. (PL 54.23)
- The DADF Platen Motor (DC330 [005-047]) for operation failure. (PL 54.9)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-129 DADF Simplex Exit Sensor Off Jam**BSD-ON:CH5.10, CH5.7**

The DADF Exit Sensor does not turn OFF within the specified time after the DADF Out Sensor Off in Simplex mode.

Cause/Action

Check the following:

- Transportation failure due to foreign substance in the document path.
- The surface of the Out Roll and Exit Roll for foreign substances.
- The surface of the Out Roll and Exit Roll for wear.

- The DADF Exit Sensor (DC330 [005-209]) for operation failure. (PL 54.23)
- The DADF Platen Motor (DC330 [005-047]) for operation failure. (PL 54.9)
- The DADF Exit Motor (DC330 [005-059]) for operation failure. (PL 54.10)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-141 DADF Feed Sensor Off Jam

BSD-ON:CH5.4, CH5.5

The DADF Pre Regi Sensor turned OFF before the DADF Feed Sensor has turned OFF.

Cause/Action

Check the following:

- The surface of the Feed Roll, Nudger Roll, Retard Roll, and Takeaway Roll for foreign substances.
- The surface of the Feed Roll, Nudger Roll, Retard Roll, and Takeaway Roll for wear.
- The Torque Limiter for failure.
- The DADF Feed Sensor (DC330 [005-204]) for operation failure. (PL 54.17)
- The DADF Feed Motor (DC330 [005-010]) for operation failure. (PL 54.6)
- The DADF Pre Regi Motor (DC330 [005-024]) for operation failure. (PL 54.7)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-144 DADF Too First Pre Regi Sensor Jam

BSD-ON:CH5.5

Due to document skew, the DADF Pre Regi Sensor turned ON earlier than the specified timing.

Cause/Action

Check the following:

- The document guides for improper placement.
- Whether the Nudger Roll is in uniform contact with the document placement tray.
- Whether the Feed Roll and Retard Roll are in uniform contact with the document.
- Whether the document is badly curled.
- Whether the combination is out of the size specifications. (Mixed Size)

005-150 DADF Holed Feed Sensor Off Jam

BSD-ON:CH5.4

The DADF Feed Sensor does not turn OFF within the specified time after the DADF Feed Sensor On in Hole Punched mode.

Cause/Action

Check that the hole position at the rear of the document (not at the center but at the periphery furthest from the Tail Edge) is within 19 mm of the document Tail Edge. If no problem is found with the document, go to the 005-141 FIP.

005-151 DADF Holed Pre Regi Sensor Off Jam

BSD-ON:CH5.5

The DADF Pre Regi Sensor does not turn OFF within the specified time after the DADF Pre Regi Sensor On in Hole Punched mode.

Cause/Action

Check that the hole position at the rear of the document (not at the center but at the periphery furthest from the Tail Edge) is within 19 mm of the document Tail Edge. If no problem is found with the document, check the DADF Pre Regi Sensor (DC330 [005-206]).

005-152 DADF Holed Regi Sensor Off Jam

BSD-ON:CH5.6

The DADF Regi Sensor does not turn OFF within the specified time after the DADF Regi Sensor On in Hole Punched mode.

Cause/Action

Check that the hole position at the rear of the document (not at the center but at the periphery furthest from the Tail Edge) is within 19 mm of the document Tail Edge. If no problem is found with the document, go to the 005-125 FIP.

005-153 DADF Holed Lead Regi Sensor Off Jam

BSD-ON:CH5.6

The DADF Lead Regi Sensor does not turn OFF within the specified time after the DADF Lead Regi Sensor On in Hole Punched mode.

Cause/Action

Check that the hole position at the rear of the document (not at the center but at the periphery furthest from the Tail Edge) is within 19 mm of the document Tail Edge. If no problem is found with the document, check the DADF Lead Regi Sensor (DC330 [005-207]).

005-154 DADF Holed Out Sensor Off Jam**BSD-ON:CH5.7**

The DADF Out Sensor does not turn OFF within the specified time after the DADF Out Sensor On in Hole Punched mode.

Cause/Action

Check that the hole position at the rear of the document (not at the center but at the periphery furthestmost from the Tail Edge) is within 19 mm of the document Tail Edge. If no problem is found with the document, go to the 005-127 FIP.

005-155 DADF Holed Simplex Exit Sensor Off Jam**BSD-ON:CH5.10**

The DADF Exit Sensor does not turn OFF within the specified time after the DADF Exit Sensor On in Hole Punched mode. (Simplex)

Cause/Action

Check that the hole position at the rear of the document (not at the center but at the periphery furthestmost from the Tail Edge) is within 19 mm of the document Tail Edge. If no problem is found with the document, go to the 005-129 FIP.

005-156 DADF Holed Duplex Exit Sensor Off Jam**BSD-ON:CH5.10**

The DADF Exit Sensor does not turn OFF within the specified time after the DADF Exit Sensor On in Hole Punched mode. (Duplex)

Cause/Action

Refer to 005-155 FIP.

005-160 DADF Tray Lift Up Fail on Running (Document Set)**BSD-ON:CH5.2**

The DADF Level Sensor does not turn ON within the specified time after the Tray that had been loaded with the document has started to rise. Or, the DADF Bottom Sensor does not turn OFF. (When detected during Run, Stop, or Purge)

Cause/Action

Check the following:

- The DADF Level Sensor (DC330 [005-203]) for operation failure. (PL 54.17)
- The DADF Tray Motor (DC330 [005-086]) for operation failure. (PL 54.4)
- The DADF Bottom Sensor (DC330 [005-202]) for operation failure. (PL 54.16)
- The Drive Gear of the DADF Tray Motor for wear and damage, as well as the Torque Limiter for damage.

If no problem is found, replace the DADF PWB. (PL 54.3)

005-194 Size Mismatch Jam on SS Mix-Size**BSD-ON:CH5.3**

In Slow Scan (SS) Mixed mode, it was detected that a document with a different size in Fast Scan (FS) direction was transported from the DADF.

Cause/Action

Follow the instructions on the UI screen. If the error is not cleared, check the following:

- The DADF Tray Set Guide for operation failure.
- The DADF Tray APS Sensor 1-3 (DC330 [005-215/216/217]) for operation failure. (PL 54.16)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-196 Size Mismatch Jam on No Mix-Size**BSD-ON:CH5.5, CH5.3**

The system detected that the second and subsequent documents are of different size compared to the first document.

Cause/Action

Follow the instructions on the UI screen. If the error is not cleared, check the following:

- The DADF Tray APS Sensor 1-3 (DC330 [005-215/216/217]) for operation failure. (PL 54.16)
- The DADF No.1 APS Sensor (DC330 [005-218]) for operation failure. (PL 54.17)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-197 Prohibit Combine Size Jam

BSD-ON:CH5.5

Documents with a prohibited size combination was detected.

Cause/Action

Explain to the customer that the following size combinations are prohibited.

- A5 SEF and all the other document sizes.
- B5 SEF and all the other document sizes.

005-198 Too Short Size Jam

BSD-ON:CH5.5, CH5.4

The DADF detected a document that is smaller than the minimum transportable size (in the Slow Scan direction).

Cause/Action

Check the size of the document that was fed by the user. If it is within the permitted length for DADF transport, check the following:

- The DADF Pre Regi Sensor (DC330 [005-206]) for operation failure. (PL 54.17)
- The DADF Feed Sensor (DC330 [005-204]) for operation failure. (PL 54.17)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-199 Too Long Size Jam

BSD-ON:CH5.5, CH5.4

It was detected that the document length in Slow Scan direction was out of the specifications (Simplex mode: 670 mm or longer, Duplex mode: 477.4 mm or longer).

Cause/Action

Refer to 005-198 FIP.

005-210 DADF Download Fail

BSD-ON:CH3.3

When the IISS starts up (Power ON/Sleep recovery), it was detected that the DADF is in Download Mode.

Cause/Action

Perform the DADF software download.

005-275 DADF RAM Fail

BSD-ON:CH3.3

The DADF PWB RAM failed during the Read/Write operation. (At Power ON)

Cause/Action

If the problem persists after turning the power OFF and ON, replace the DADF PWB. (PL 54.3)

005-280 DADF EEPROM Fail

BSD-ON:CH3.3

Write failure to DADF EEPROM or communication failure with EEPROM was detected.

Cause/Action

If the problem persists after turning the power OFF and ON, replace the DADF PWB. (PL 54.3)

005-281 DADF Tray Lift Down Fail

BSD-ON:CH5.2

The DADF Bottom Sensor does not turn ON within the specified time after the DADF Tray has started to drop.

Cause/Action

Check the following:

- The DADF Bottom Sensor (DC330 [005-202]) for operation failure. (PL 54.16)
- The DADF Tray Motor (DC330 [005-086]) for operation failure. (PL 54.4)
- The Drive Gear of the DADF Tray Motor for wear and damage, as well as the Torque Limiter for damage.

If no problem is found, replace the DADF PWB. (PL 54.3)

005-282 DADF Tray Lift Up Fail (No Document)

BSD-ON:CH5.2

The DADF Bottom Sensor does not turn OFF within the specified time after the Tray has started to rise during the initialization operation with no loaded document.

Cause/Action

Refer to 005-281 FIP.

005-283 DADF Level Sensor Logic Fail

BSD-ON:CH5.2

The DADF Level Sensor is detected to be logically malfunctioning in relation to the output of the Document Set Sensor.

Cause/Action

Check the DADF Level Sensor (DC330 [005-203]) for operation failure. (PL 54.17)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-284 DADF APS Sensor Logic Fail

BSD-ON:CH5.5

It was detected that the combination of DADF No.1 - 3 APS Sensor outputs is logically not right.

Cause/Action

Check the DADF No.1/2/3 APS Sensor (DC330 [005-218/219/220]) for operation failure. (PL 54.17)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-305 DADF Feeder Cover Interlock Open

BSD-ON:CH5.1

The DADF Feeder Cover Interlock Switch was opened during DADF operation.

Cause/Action

Check the following:

- The DADF Feeder Cover for a mismatch.
- The DADF Feed Cover Interlock Switch (DC330 [005-212]) for operation failure. (PL 54.5)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-306 DADF Tray Interlock Open

BSD-ON:CH5.1

The DADF Tray Interlock Sensor detected an Open state during DADF operation.

Cause/Action

Check the following:

- The Document Tray for improper installation.
- The Open/Close Gear for damage and revolution failure.
- The Sensor Actuator for damage and bending.
- The DADF Tray Interlock Sensor (DC330 [005-214]) for operation failure. (PL 54.4)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-309 DADF L/H Cover Interlock Open

BSD-ON:CH5.1

The DADF L/H Cover Interlock Sensor detected an Open state during DADF operation.

Cause/Action

Check the following:

- The DADF L/H Cover for improper installation.
- The Sensor Actuator for disengagement, damage, and bending.
- The DADF L/H Cover Interlock Sensor (DC330 [005-223]) for operation failure. (PL 54.5)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-906 DADF Feed Sensor Static Jam

FIP

Refer to CF-001 FIP.

005-907 DADF Pre Regi Sensor Static Jam

FIP

Refer to CF-001 FIP.

005-908 DADF Regi Sensor Static Jam

FIP

Refer to CF-001 FIP.

005-909 DADF Lead Regi Sensor Static Jam

FIP

Refer to CF-001 FIP.

005-910 DADF Out Sensor Static Jam

FIP

Refer to CF-001 FIP.

005-911 DADF Exit Sensor Static Jam

FIP

Refer to CF-001 FIP.

005-914 DADF No. 1/2/3 APS Sensor Static Jam

FIP

Refer to CF-001 FIP.

005-919 DADF Tray Lift Up Fail (Document Set)

BSD-ON:CH5.2

The DADF Level Sensor does not turn ON within the specified time after the Tray that had been loaded with the document has started to rise. Or, the DADF Bottom Sensor does not turn OFF. (When detected during other than Run, Stop, or Purge)

Cause/Action

Refer to 005-160 FIP.

005-940 DADF No Original Fail

BSD-ON:CH5.1

It was detected that the document was pulled out during document feed.

Cause/Action

Reload the document.

005-941 DADF Not Enough Document

BSD-ON:CH5.1

When N sheets (= to the number of sheets indicated on the Panel) of document have been returned, it was detected some of the document is missing.

Cause/Action

Follow the instructions on the UI screen.

005-942 DADF Tray Stack Over Fail

BSD-ON:CH5.2

The DADF Level Sensor was detected to be ON at the start of the Tray Lift Up.

Cause/Action

Reduce the document sheet count and reload.

005-945 FS-Size Mismatch Jam on No Mix-Size or SS Mix-Size (Cont)

BSD-ON:CH5.3

In No Mix or Slow Scan (SS) Mixed mode, it was detected that a document with a different size in Fast Scan (FS) direction was transported from the DADF. (If paper was not fed, 005-945 is displayed. If paper was fed, 005-947 is displayed.)

Cause/Action

Follow the instructions on the UI screen. If the error is not cleared, check the following:

- The DADF Tray Set Guide for operation failure.
- The DADF Tray APS Sensor 1/2/3 (DC330 [005-215/216/217]) for operation failure. (PL 54.16)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-946 SS-Size Mismatch Jam on No Mix-Size (Cont)

BSD-ON:CH5.5, CH5.4

In No Mix mode, it was detected that a document with a different size in Slow Scan (SS) direction was transported from the DADF. (If paper was not fed, 005-946 is displayed. If paper was fed, 005-948 is displayed.)

Cause/Action

Follow the instructions on the UI screen. If the error is not cleared, check the following:

- The DADF No.1/2/3 APS Sensor (DC330 [005-218/219/220]) for operation failure. (PL 54.17)
- The DADF Pre Regi Sensor (DC330 [005-206]) for operation failure. (PL 54.17)
- The DADF Feed Sensor (DC330 [005-204]) for operation failure. (PL 54.17)

If no problem is found, replace the DADF PWB. (PL 54.3)

005-947 FS-Size Mismatch Jam on No Mix-Size or SS Mix-Size

BSD-ON:CH5.3

In No Mix or Slow Scan (SS) Mixed mode, it was detected that a document with a different size in Fast Scan (FS) direction was transported from the DADF. (If paper was not fed, 005-945 is displayed. If paper was fed, 005-947 is displayed.)

Cause/Action

Refer to 005-945 FIP.

005-948 SS-Size Mismatch Jam on No Mix-Size

BSD-ON:CH5.5, CH5.4

In No Mix mode, it was detected that a document with a different size in Slow Scan (SS) direction was transported from the DADF. (If paper was not fed, 005-946 is displayed. If paper was fed, 005-948 is displayed.)

Cause/Action

Refer to 005-946 FIP.

010-311 Heat Roll STS Disconnection Fail

BSD-ON:CH10.4

An open circuit abnormality (the AD value of the STS is equivalent to the open circuit value) of the Heat Roll Thermistor was detected.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Heat Roll Thermistor (DC140 [010-206]) for open circuit. (PL 7.6)
- The Drawer Connector (DP612/ DJ612) for poor contact.
- The connection between the MCU PWB J405 and the Heat Roll Thermistor J146 for open circuit, short circuit, and poor contact.
- Whether the Fusing Unit is installed and whether it is installed properly.

If no problem is found, replace the MCU PWB. (PL 18.2)

010-319 Fusing Unit NC Sensor Differential Amp Fail

BSD-ON:CH10.4

A differential circuit output error was detected between the detected output and the compensation output of the Fusing Unit NC Sensor.

NOTE: To clear this Fail, first remove the cause, next clear the value of NVM [745-093] (Differential Amplification Error Detection History) to '0', and then turn the power OFF and ON.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Clear the history at the NVM then turn the power OFF and ON.
2. Check the following:
 - The Fusing Unit for improper installation
 - The Drawer Connector (DP612/ DJ612) between the Fusing Unit and the Main Unit for broken/bent pins, foreign substances, burns, and etc.
 - The connection between the NC Center Sensor P150 and the MCU PWB J405 for open circuit, short circuit, and poor contact.
 - The connection between the NC Rear Sensor P151 and the MCU PWB J405 for open circuit, short circuit, and poor contact.
3. If no problem is found, replace the following parts in sequence:
 - NC Center Sensor (PL 7.6)
 - NC Rear Sensor (PL 7.6)

- MCU PWB (PL 18.2)

010-321 Fusing Unit Nip Fail

BSD-ON:CH10.1

Nip or Release operation error of the Fusing Unit was detected.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Fusing Unit Nip Sensor (DC330 [010-203]) for operation failure. (PL 7.6)
- The Sensor Actuator for damage. (PL 7.6)
- The Gear of retract mechanism for wear and damage.
- The One Way Clutch for skidding.
- The Drawer Connector (DP612/ DJ612) for poor contact.

If no problem is found, replace the MCU PWB. (PL 18.2)

010-322 Fusing Unit Center NC Sensor Disconnection Fail

BSD-ON:CH10.4

An open circuit abnormality (the AD value of the NC Sensor is equivalent to the open circuit value) of the NC Center Sensor at the Fusing Unit was detected.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The NC Center Sensor (DC140 [010-200/201] (Inf/Temp)) for open circuit. (PL 7.6)
- The Drawer Connector (DP612/ DJ612) for poor contact.
- The connection between the MCU PWB J405 and the NC Center Sensor P150 for open circuit, short circuit, and poor contact.
- Whether the Fusing Unit is installed and whether it is installed properly.

If no problem is found, replace the MCU PWB. (PL 18.2)

010-323 Fusing Unit Rear NC Sensor Disconnection Fail

BSD-ON:CH10.4

An open circuit abnormality (the AD value of the NC Sensor is equivalent to the open circuit value) of the NC Rear Sensor at the Fusing Unit was detected.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The NC Rear Sensor (DC140 [010-203/204] (Inf/Temp)) for open circuit. (PL 7.6)
- The Drawer Connector (DP612/ DJ612) for poor contact.
- The connection between the MCU PWB J405 and the NC Rear Sensor P151 for open circuit, short circuit, and poor contact.
- Whether the Fusing Unit is installed and whether it is installed properly.

If no problem is found, replace the MCU PWB. (PL 18.2)

010-324 Fusing Unit NVM Fail

BSD-ON:CH3.1

An abnormal (garbled) Fusing Unit control NVM value was detected.

NOTE: To clear this Fail, first remove the cause, next clear the value of NVM [745-094] (NVM Value Error Detection History) to '0', and then turn the power OFF and ON.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. If any of the Fusing Unit Temperature Control related NVM value had been changed, return it to the default value.
3. Check the connector (P418/ J418) between the MCU PWB and the NVM PWB for poor connection.
4. Check the NVM value of the Fusing Unit. If the NVM value is not within the setting range, perform the following. (It is highly probable that the NVM value for other than the Fusing Unit is also abnormal)
 - (1) Check for the presence of electrical noise, etc.
 - (2) Initialize the NVM.
5. If the problem persists, replace the MCU PWB. (PL 18.2)

010-326 Wait Heat Roll Fusing On Time Fail

BSD-ON:CH10.4, CH10.3

When in the Wait state, the system detected a continuous light ON fault in any of the Main Lamp 1, Main Lamp 2, and Sub Lamp.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Main Lamp 1 (DC330 [010-007]) for operation failure.
- The Main Lamp 2 (DC330 [010-008]) for operation failure.
- The Sub Lamp (DC330 [010-009]) for operation failure.
- The Drawer Connector (DP612/ DJ612) for poor contact.
- The Thermostat for operation failure.
- The NC Center Sensor and the NC Rear Sensor for dropped parts, contamination on sensor, and clogging due to foreign substances.
- The Heat Roll for wound up, stuck paper.

If no problem is found, replace the following parts in sequence:

- Fusing Unit (PL 7.1)
- AC Power Supply N09A (PL 18.5)
- MCU PWB (PL 18.2)

010-327 Standby Heat Roll Fusing On Time Fail

BSD-ON:CH10.4, CH10.3

When in the Standby state, the system detected a continuous light ON fault in any of the Main Lamp 1, Main Lamp 2, and Sub Lamp.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 010-326 FIP.

010-328 Fusing Unit Not Ready Time Fail

BSD-ON:CH10.4

The Heat Roll temperature error (either high or low) was detected for more than the specified time when the Fusing Unit Lamp is in conductive state.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Turn the power OFF and ON. If the problem persists, record the following NVM values and replace the Fusing Unit (PL 7.1). After the replacement, contact the Support Group.

- NVM [745-097] (Fusing Unit Internal State when Not Ready Time Fail Occurs (For Debug))
- NVM [745-098] (NC Center Sensor Temperature when Not Ready Time Fail Occurs (For Debug))
- NVM [745-099] (NC Rear Sensor Temperature when Not Ready Time Fail Occurs (For Debug))
- NVM [745-100] (Heat Roll Thermistor Temperature when Not Ready Time Fail Occurs (For Debug))

010-330 Fusing Unit Motor Fail

BSD-ON:CH10.1

The Fusing Unit Drive Motor rotation error was detected. When the Lock Up (Fusing Unit Drive Motor Fail) signal of the Motor Drive output was monitored at the specified time interval when a certain time has passed after the Motor operation had started, it was found to have failed 5 times in a row.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. While keeping the Fusing Unit nipped, turn OFF the power. Rotate the Rotor of the Fusing Unit Drive Motor manually to check if the Rotor is rotating with no loading. If the Rotor is not rotating due to loading, check the Drive Gear for wear, damage, and worn bearing.
2. Check the Fusing Unit Drive Motor (DC330 [010-001]) for operation failure. (PL 3.3)
3. If no problem is found, replace the MCU PWB. (PL 18.2)

010-334 Fusing Unit NC Sensor Fail

BSD-ON:CH10.4

During Warm Up Control, an abnormal detected temperature due to NC Sensor malfunction or poor contact was detected.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Drawer Connector (DP612/ DJ612) for poor contact.
- The Fusing Unit for improper installation

If no problem is found, replace the following parts in sequence:

- Fusing Unit (PL 7.1)
- MCU PWB (PL 18.2)

010-342 Decurler Upper Fail

BSD-ON:CH10.8

The system detected an abnormal operation of the Decurler Cam Upper.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Decurler Pene Up Motor (DC330 [010-010]) for operation failure. (PL 14.9)
- The Pene Up Sensor (DC330 [010-204]) for operation failure. (PL 7.3)
- The Decurler Unit for wound up, stuck paper.
- The Decurler Unit for foreign substances.
- The Drive Gear for wear and damage.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- MCU PWB (PL 18.2)

010-343 Decurler Down Fail

BSD-ON:CH10.9

The system detected an abnormal operation of the Decurler Cam Down.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Decurler Pene Down Motor (DC330 [010-011]) for operation failure. (PL 7.3)
- The Pene Down Sensor (DC330 [010-205]) for operation failure.(PL 7.4)
- The Decurler Unit for wound up, stuck paper.
- The Decurler Unit for foreign substances.
- The Drive Gear for wear and damage.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)
- IOT PWB (PL 18.2)

010-421 Fusing Unit Life Over

BSD-ON:CH10.6

It is time to replace the Fusing Unit.

Cause/Action

Replace the Fusing Unit. (PL 7.1)

010-357 Fusing Unit Pitch Rejection Fail

BSD-ON:CH10.4, CH10.3

Paper transport refusal was detected for the specified time or longer during a Print Process.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Main Lamp 1 (DC330 [010-007]) for operation failure.
- The Main Lamp 2 (DC330 [010-008]) for operation failure.
- The Sub Lamp (DC330 [010-009]) for operation failure.
- The Drawer Connector (DP612/ DJ612) for poor contact.
- The Thermostat for operation failure.
- The NC Center Sensor and the NC Rear Sensor for dropped parts, contamination on sensor, and clogging due to foreign substances.
- The Heat Roll for wound up, stuck paper.

If no problem is found, record the following NVM values and contact the Support Group.

- NVM [745-134] (Fusing Unit NC Center Sensor Temperature Monitor Value when Pitch Refusal Fail Occurs)
- NVM [745-135] (Fusing Unit NC Rear Sensor Temperature Monitor Value when Pitch Refusal Fail Occurs)
- NVM [745-136] (Fusing Unit Heat Roll Thermistor Temperature Monitor Value when Pitch Refusal Fail Occurs)
- NVM [745-137] (Final Pitch Refusal Factor)

010-420 Fusing Unit Near Life

BSD-ON:CH10.6

The Fusing Unit needs to be replaced soon.

Cause/Action

The Fusing Unit needs to be replaced soon. Replace the Fusing Unit as required. (PL 7.1)

024-923 Toner Empty Y

FIP

Refer to CF-002 FIP.

024-924 Toner Empty M

FIP

Refer to CF-002 FIP.

024-925 Toner Empty C

FIP

Refer to CF-002 FIP.

024-927 OCT Full Stack

BSD-ON:CH10.20

Offset Catch Tray Full was detected.

Cause/Action

Check the following:

- The light emitter or the light receptor section of the sensor for blockage due to curled paper tail edge.
- The OCT Tray Full Sensor (DC330 [047-202]) for operation failure. (PL 17.4)
- The light emitter or the light receptor section of the OCT Tray Full Sensor for foreign substances.

If no problem is found, replace the MCU PWB. (PL 18.2)

041-311 LD 24V Fuse Fail

BSD-ON:CH1.7, CH6.10, CH6.11, CH6.12, CH6.13

Fuse 3 on the MCU PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the +24VDC_C13 supply line to the MCU PWB. **Is the voltage between the MCU PWB J400-4 (+) and the GND (-) +24VDC?**

Y N

Check the circuit to the MCU PWB J400 pin-4.

Turn OFF the power. Disconnect the Flat Cables from the MCU PWB connectors JA431, JB431, JA432, JB432, JA433, JB433, JA434, JB434 and measure the resistance between the following Flat Cable terminal and the GND.

- JA431-2 (ROS Assembly (Y, M))
- JB431-2 (ROS Assembly (Y, M))
- JA432-49 (ROS Assembly (Y, M))
- JB432-49 (ROS Assembly (Y, M))
- JA433-2 (ROS Assembly (C, K))
- JB433-2 (ROS Assembly (C, K))
- JA434-49 (ROS Assembly (C, K))
- JB434-49 (ROS Assembly (C, K))

Is the resistance 5 Ohm or higher for all?

Y N

Check the Flat Cables that are in earth fault (at 5 Ohm or lower) for short circuits.

Replace the MCU PWB. (PL 18.2)

041-312 ADC 24V Fuse Fail

BSD-ON:CH1.7, CH9.18

Fuse 4 on the MCU PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the +24VDC_C13 supply line to the MCU PWB. **Is the voltage between the MCU PWB J400-4 (+) and the GND (-) +24VDC?**

Y N

Check the circuit to the MCU PWB J400 pin-4.

Turn OFF the power. Disconnect the connector J408 from the MCU PWB and measure the resistance between J408-A7 and the GND. **Is the resistance 5 Ohm or higher?**

Y N

Check the connection between the MCU PWB J408-A7 and the MOB ADC Assembly J264-7 for short circuit (earth fault).

Replace the MCU PWB. (PL 18.2)

041-324 PH F1 Fuse Fail

BSD-ON:CH1.7, CH7.5, CH7.6, CH7.7

Fuse 1 on the PH Drive PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the +24VDC_C13 supply line to the PH Drive PWB. **Are the voltages between the LVPS N09A J509-1 (+) and the GND (-) +24V?**

Y N

Check the circuit to the PH Drive PWB J477 pin-1.

Turn OFF the power. Disconnect the following connectors from the PH Drive PWB and measure the resistance between each connector terminal and the GND.

- J471-1, 2 (Tray 1 Feed Lift Motor)
- J472-7, 8 (Tray 2 Feed Lift Motor)
- J472-1, 2 (Tray 3 Feed Lift Motor)

Is the resistance 5 Ohm or higher for all?

Y N

Check the connections that are in earth fault (at 5 Ohm or lower) for short circuits.

Replace the PH Drive PWB. (PL 18.4)

041-325 PH F2 Fuse Fail

BSD-ON:CH1.13, CH8.7

Fuse 2 on the PH Drive PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the Intlk_+24VDC-1 supply line to the PH Drive PWB. **Is the voltage between the IOT PWB J437-1 (+) and the GND (-) +24VDC?**

Y N

Check the circuit to the PH Drive PWB J463 pin-1.

Turn OFF the power. Disconnect the connector J462 from the PH Drive PWB and measure the resistance between J462-A2, A5 and the GND. **Is the resistance 5 Ohm or higher?**

Y N
Check the connections between the PH Drive PWB J462-A2, A5 and the Regi Motor P271-5, 2 for short circuits (earth fault).

Replace the PH Drive PWB. (PL 18.4)

041-326 PH F3 Fuse Fail

BSD-ON:CH1.13, CH8.6

Fuse 3 on the PH Drive PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the Intlk_+24VDC-1 supply line to the PH Drive PWB. **Is the voltage between the IOT PWB J437-1 (+) and the GND (-) +24VDC?**

Y N
Check the circuit to the PH Drive PWB J463 pin-1.

Turn OFF the power. Disconnect the connector J462 from the PH Drive PWB and measure the resistance between J462-A8, A11 and the GND. **Is the resistance 5 Ohm or higher?**

Y N
Check the connections between the PH Drive PWB J462-A8, A11 and the Pre Regi Motor P270-5, 2 for short circuits (earth fault).

Replace the PH Drive PWB. (PL 18.4)

041-327 PH F4 Fuse Fail

BSD-ON:CH1.13, CH10.9

Fuse 4 on the PH Drive PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the Intlk_+24VDC-1 supply line to the PH Drive PWB. **Is the voltage between the IOT PWB J437-1 (+) and the GND (-) +24VDC?**

Y N
Check the circuit to the PH Drive PWB J463 pin-1.

Turn OFF the power. Disconnect the connector J462 from the PH Drive PWB and measure the resistance between J462-A17 and the GND. **Is the resistance 5 Ohm or higher?**

Y N
Check the connections between the PH Drive PWB J462-A17 and the Decurler Pene Down Motor P254-2 for short circuit (earth fault).

A

Replace the PH Drive PWB. (PL 18.4)

041-328 PH F5 Fuse Fail

BSD-ON:CH1.13, CH8.6, CH8.10

Fuse 5 on the PH Drive PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the Intlk_+24VDC-2 supply line to the PH Drive PWB. **Is the voltage between the MCU PWB J400-6 (+) and the GND (-) +24VDC?**

Y N
Check the circuit to the PH Drive PWB J463 pin-3.

Turn OFF the power. Disconnect the connector J462 from the PH Drive PWB and measure the resistance between the following terminals and the GND.

- J462-B2, B5 (Pre Regi N/R Motor)
- J462-B8, B11 (Side Shift Motor)

Is the resistance 5 Ohm or higher for all?

Y N
Check the connections that are in earth fault (at 5 Ohm or lower) for short circuits.

Replace the PH Drive PWB. (PL 18.4)

041-329 PH F6 Fuse Fail

BSD-ON:CH1.13, CH10.18

Fuse 6 on the PH Drive PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the Intlk_+24VDC-2 supply line to the PH Drive PWB. **Is the voltage between the MCU PWB J400-6 (+) and the GND (-) +24VDC?**

Y N
Check the circuit to the PH Drive PWB J463 pin-3.

Turn OFF the power. Disconnect the connector J464 from the PH Drive PWB and measure the resistance between J464-9, 10 and the GND. **Is the resistance 5 Ohm or higher?**

Y N
Check the connections between the PH Drive PWB J464-9, 10 and the Duplex Motor J266-5, 2 for short circuits (earth fault).

Replace the PH Drive PWB. (PL 18.4)

041-330 PH F7 Fuse Fail

BSD-ON:CH1.13, CH8.5

Fuse 7 on the PH Drive PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the Intlk_+24VDC-2 supply line to the PH Drive PWB. **Is the voltage between the MCU PWB J400-6 (+) and the GND (-) +24VDC?**

Y N

Check the circuit to the PH Drive PWB J463 pin-3.

Turn OFF the power. Disconnect the connector J464 from the PH Drive PWB and measure the resistance between J464-11, 12 and the GND. **Is the resistance 5 Ohm or higher?**

Y N

Check the connections between the PH Drive PWB J464-11, 12 and the Transport Motor P265-5, 2 for short circuits (earth fault).

Replace the PH Drive PWB. (PL 18.4)

041-331 PH F8 Fuse Fail

BSD-ON:CH1.13, CH8.4

Fuse 8 on the PH Drive PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the Intlk_+24VDC-2 supply line to the PH Drive PWB. **Is the voltage between the MCU PWB J400-6 (+) and the GND (-) +24VDC?**

Y N

Check the circuit to the PH Drive PWB J463 pin-3.

Turn OFF the power. Disconnect the connector J464 from the PH Drive PWB and measure the resistance between J464-13, 14 and the GND. **Is the resistance 5 Ohm or higher?**

Y N

Check the connections between the PH Drive PWB J464-13, 14 and the MSI Feed Motor J225-2, 5 for short circuits (earth fault).

Replace the PH Drive PWB. (PL 18.4)

041-332 PH F9 Fuse Fail

BSD-ON:CH1.7, CH8.8, CH10.13, CH10.14

Fuse 9 on the PH Drive PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the +24VDC_C13 supply line to the PH Drive PWB. **Are the voltages between the LVPS N09A J509-1 (+) and the GND (-) +24V?**

Y N

Check the circuit to the PH Drive PWB J477 pin-1.

Turn OFF the power. Disconnect the following connectors from the PH Drive PWB and measure the resistance between each connector terminal and the GND.

- J468-A4, A7 (Regi N/R Motor)
- J467-2, 5 (Invert N/R Motor)
- J467-8, 11 (Invert Motor)

Is the resistance 5 Ohm or higher for all?

Y N

Check the connections that are in earth fault (at 5 Ohm or lower) for short circuits.

Replace the PH Drive PWB. (PL 18.4)

041-333 PH F10 Fuse Fail

BSD-ON:CH1.7, CH7.5, CH7.6, CH7.7, CH7.8, CH8.2, CH9.29, CH9.30, CH10.10, CH10.15

Fuse 10 on the PH Drive PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the +24VDC_C13 supply line to the PH Drive PWB. **Are the voltages between the LVPS N09A J509-1 (+) and the GND (-) +24V?**

Y N

Check the circuit to the PH Drive PWB J477 pin-1.

Turn OFF the power. Disconnect the following connectors from the PH Drive PWB and measure the resistance between each connector terminal and the GND.

- J473-A10 (Tray 1 Nudger Solenoid)
- J473-B10 (Tray 2 Nudger Solenoid)
- J474-10 (Tray 3 Nudger Solenoid)
- J465-A8 (MSI Nudger Solenoid)
- J465-B6 (Takeaway Motor)
- J465-B12 (Rear Fan)
- J465-B7 (Blower Fan)
- J468-B1 (Decurler Roll Fan 1/2)

- J468-B7 (Inverter Fan)

Is the resistance 5 Ohm or higher for all?

Y N

Check the connections that are in earth fault (at 5 Ohm or lower) for short circuits.

Replace the PH Drive PWB. (PL 18.4)

041-344 IOT F1 Fuse Fail

BSD-ON:CH1.13, CH10.16, CH10.12

Fuse 1 on the IOT PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the Intlk_+24VDC supply line to the IOT PWB. Is the voltage between the IOT PWB J437-1 (+) and the GND (-) +24VDC?

Y N

Check the circuit to the IOT PWB J437 pin-1.

Turn OFF the power. Disconnect the connector J439 from the IOT PWB and measure the resistance between the following terminals and the GND.

- J439-5, 8 (IOT Exit Motor)
- J439-11, 14 (Invert In Motor)

Is the resistance 5 Ohm or higher for all?

Y N

Check the connections that are in earth fault (at 5 Ohm or lower) for short circuits.

Replace the IOT PWB. (PL 18.2)

041-345 IOT F2 Fuse Fail

BSD-ON:CH1.13, CH10.19, CH10.8, CH10.6

Fuse 2 on the IOT PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the Intlk_+24VDC supply line to the IOT PWB. Is the voltage between the IOT PWB J437-1 (+) and the GND (-) +24VDC?

Y N

Check the circuit to the IOT PWB J437 pin-1.

Turn OFF the power. Disconnect the following connectors from the IOT PWB and measure the resistance between each connector terminal and the GND.

- J438-1 (Duplex Fan 1/2)
- J438-8, 9 (Decurler Pene Up Motor)
- J439-1 (V-Tra Fan)

Is the resistance 5 Ohm or higher for all?

Y N

Check the connections that are in earth fault (at 5 Ohm or lower) for short circuits.

Replace the IOT PWB. (PL 18.2)

041-346 IOT F3 Fuse Fail

BSD-ON:CH1.7, CH9.14, CH9.24, CH10.17, CH10.7, CH9.17, CH9.26, CH9.20, CH9.21, CH9.25

Fuse 3 on the IOT PWB has blown.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Turn ON the power and check the +24VDC_C13 supply line to the IOT PWB. Is the voltage between the IOT PWB J435-3 (+) and the GND (-) +24VDC?

Y N

Check the circuit to the IOT PWB J435 pin-3.

Turn OFF the power. Disconnect the following connectors from the IOT PWB and measure the resistance between each connector terminal and the GND.

- J432-A1 (Deve Clutch K)
- J432-A3 (2nd BTR Retract Cam Clutch)
- J432-A5 (Exit Fan)
- J432-A9 (Fusing Unit Exhaust Fan)
- J432-B2, B4, B6, B8, B10 (Toner Cartridge Motor Y/M/C/K2/K1)
- J432-B15 (CC Cleaner Motor)
- J433-5 (IBT Steering Motor)
- J433-10 (1st BTR Retract Motor)
- J434-2, 5 (2nd BTR Motor)
- J434-7 (Exit Roll Fan)
- J441-A1 (Rear Add Fan)
- J441-B1 (Front Fan)

Is the resistance 5 Ohm or higher for all?

Y N

Check the connections that are in earth fault (at 5 Ohm or lower) for short circuits.

Replace the IOT PWB. (PL 18.2)

041-347 PH Drive Serial I/F Error

BSD-ON:CH3.2, CH1.4, CH1.5

A serial communication error has occurred between the MCU PWB and the PH Drive PWB.

NOTE: *This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)*

Cause/Action

Check the following:

- The voltage at LVPS N09A J502-4. (+5VDC)
- The connection between the MCU PWB J402 and the PH Drive PWB J460 for open circuit, short circuit, and poor contact.
- The connection between the LVPS N09A J502 and the PH Drive PWB J477 for open circuit, short circuit, and poor contact.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

042-313 Rear Fan Fail

BSD-ON:CH9.29

Rear Fan failure was detected. When the Rear Fan Fail signal indicating an abnormality of the Fan was monitored at the specified time interval for 12 s after 2 s has passed after the Rear Fan operation had started, it was found to have failed more than the specified number of times.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Rear Fan (DC330 [042-033]) for operation failure. (PL 4.1)
- The Rear Fan for foreign substances.

If no problem is found, replace the PH Drive PWB. (PL 18.4)

042-316 Front Fan Fail

BSD-ON:CH10.7

Front Fan failure was detected. When the Front Fan Fail signal indicating an abnormality of the Fan was monitored at the specified time interval for 12 s after 2 s has passed after the Front Fan operation had started, it was found to have failed more than the specified number of times.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Front Fan (DC330 [042-041]) for operation failure. (PL 4.3)
- The Front Fan for foreign substances.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- MCU PWB (PL 18.2)

042-320 Drum Motor Y Fail

FIP

Refer to CF-003 FIP.

042-321 Drum Motor M Fail

FIP

Refer to CF-003 FIP.

042-322 Drum Motor C Fail

FIP

Refer to CF-003 FIP.

042-323 Drum Motor K Fail

FIP

Refer to CF-003 FIP.

042-324 IBT Drive Motor Fail

BSD-ON:CH9.19

The IBT Drive Motor rotation error was detected. When the Lock Up signal (IBT Drive Motor Fail signal) of the Motor Drive output was monitored at the specified time interval when a certain time has passed after the IBT Drive Motor operation had started, it was found to have failed 5 times in a row.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Check the IBT Drive Motor for loading.
Turn OFF the power and rotate the Rotor of the Motor manually. If the Rotor does not rotate due to loading or it is heavy, check the following:
 - The Drive Gear for wear, damage, and gear blockage.
 - Each Roll in the IBT Unit for improper installation and foreign substances.
 - The IBT Belt Cleaner Assembly for abnormalities. (PL 6.3)
2. Check the IBT Drive Motor (DC330 [042-013]) for operation failure. (PL 6.4)
3. If no problem is found, replace the MCU PWB. (PL 18.2)

042-325 Main Motor Fail

BSD-ON:CH9.1

The Main Motor rotation error was detected. When the Lock Up signal (Main Motor Fail signal) of the Motor Drive output was monitored at the specified time interval when a certain time has passed after the Main Motor operation had started, it was found to have failed 5 times in a row.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Check the Main Motor for loading.
Turn OFF the power and rotate the Rotor of the Motor manually. If the Rotor does not rotate due to loading or it is heavy, check the following:
 - The Main Drive Assembly Gear for wear, damage, and gear blockage. (PL 3.4)
 - The 2nd BTR Retract Cam Clutch and the Gear for wear, damage, and gear blockage. (PL 3.4)
 - The Developer Housing Kit (K) for revolution failure due to a malfunction (including the Deve K Drive Clutch). (PL 8.6)
 - The Waste Toner Collection Auger section for revolution failure due to blockage and etc.
 - The Drum Cartridge (K) Cleaner Blush for improper installation.
 - The Auger section in Drum Cartridge (K) for blockage.
 - The Seal Roll (within the Drum Cartridge) for improper installation.
2. Check the Main Motor (DC330 [042-001]) for operation failure. (PL 3.4)
3. If no problem is found, replace the MCU PWB. (PL 18.2)

042-326 Belt Home Position Too Long

BSD-ON:CH9.20

The IBT Belt Home Sensor detected that the interval of an IBT Belt cycle is longer than the reference value.

NOTE: If the value of NVM [741-132] (Belt Home Position Too Long Counter) has become '3', clear the value to '0', and then turn the power OFF and ON. This counter counts the number of sequential Fail occurrences and it is configured to prevent the start up at power OFF and ON only, in order to avoid the danger of the IBT Belt breaking when the Fail has occurred three times in a row.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The IBT Belt Home Sensor (DC330 [042-200]) for operation failure. (PL 6.5)
- The IBT Belt Home Sensor for contamination.
- The inner surface of the IBT Belt for peeled off reflective seal and contamination.
- The IBT Belt for position misalignment.

If no problem is found, replace the MCU PWB. (PL 18.2)

042-327 Belt Position Fail

BSD-ON:CH9.20

The Belt Edge detected value (by monitoring the Belt Edge Sensor output value) is out of specification range.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The location where the machine is installed. (Check the levelness of the installation location)
- The IBT Belt for position misalignment.
 - If the position misalignment persists, turn ON DC330 [042-029] (IBT Belt Check) and allow the IBT Belt to rotate for about 30 s.

NOTE: Retract the 1st BTR and contact the 2nd BTR before performing this operation.

NOTE: Perform DC330 [042-019] (IBT Steering Motor (CW) Low Current) to initialize the Steering.

- The IBT Belt Edge Sensor Actuator for operation failure.
- The IBT Steering Motor (DC330 [042-019]) for operation failure. (PL 6.4)

If no problem is found, replace the following parts in sequence:

- IBT Belt Edge Sensor (PL 6.4)
- MCU PWB (PL 18.2)
- IOT PWB (PL 18.2)

042-328 Belt Edge Sensor Fail

BSD-ON:CH9.20

The IBT Belt Edge Sensor read value does not change in one cycle of Belt rotation.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The IBT Belt Edge Sensor Actuator for operation failure.
- The IBT Belt Edge Sensor for improper installation.
- The connection between the MCU PWB J409 and the IBT Belt Edge Sensor J156 for open circuit, short circuit, and poor contact.

If no problem is found, replace the following parts in sequence:

- IBT Belt Edge Sensor (PL 6.4)
- MCU PWB (PL 18.2)

042-330 Fusing Unit Exhaust Fan Fail

BSD-ON:CH10.7

The Fusing Unit Exhaust Fan failure was detected. When the Fusing Unit Exhaust Fan Fail signal indicating an abnormality of the Fan was monitored at the specified time interval, it was found to have failed 15 times in a row.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Fusing Unit Exhaust Fan (DC330 [042-020]) for operation failure. (PL 4.2)
- The Fusing Unit Exhaust Fan for foreign substances.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- MCU PWB (PL 18.2)

042-331 Blower Fan Fail

BSD-ON:CH9.30

Blower Fan failure was detected. The Blower Fan FGO signal was monitored for 12 s after 2 s has passed since the Drum Motor K had stopped to calculate the number of rotation. The calculated number of rotation was lower than the specified number of rotation.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Blower Fan (DC330 [042-021]) for operation failure. (PL 4.1)
- The Blower Fan for foreign substances.

If no problem is found, replace the following parts in sequence:

- MCU PWB (PL 18.2)
- PH Drive PWB (PL 18.4)

042-338 CC Intake Fan Fail

BSD-ON:CH9.30

CC Intake Fan failure was detected. When the CC Intake Fan Fail signal indicating an abnormality of the Fan was monitored at the specified time interval for 12 s after 2 s has passed after the CC Intake Fan operation had started, it was found to have failed more than the specified number of times.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The CC Intake Fan (DC330 [042-023]) for operation failure. (PL 4.3)
- The CC Intake Fan for foreign substances.

If no problem is found, replace the MCU PWB. (PL 18.2)

042-339 Exit Fan Fail

BSD-ON:CH10.17

Exit Fan failure was detected. When the Exit Fan Fail signal indicating an abnormality of the Fan was monitored at the specified time interval for 12 s after 20 s has passed after the Exit Fan operation had started, it was found to have failed more than the specified number of times.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Exit Fan (DC330 [042-036]) for operation failure. (PL 4.2)
- The Exit Fan for foreign substances.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- MCU PWB (PL 18.2)

042-343 Rear Add Fan Fail

BSD-ON:CH10.7

Rear Add Fan failure was detected. When the Rear Add Fan Fail signal indicating an abnormality of the Fan was monitored at the specified time interval for 12 s after 2 s has passed after the Rear Add Fan operation had started, it was found to have failed more than the specified number of times.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Rear Add Fan (DC330 [042-042]) for operation failure. (PL 4.1)
- The Rear Add Fan for foreign substances.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- MCU PWB (PL 18.2)

042-600 Belt Walk Fail

BSD-ON:CH9.20

When in the Belt Walk mode, the Belt Walk amount within the specified time interval is greater than the specified amount. (This Fail occurs when the Walk accuracy of the IBT Belt has deteriorated. Take note that this Fail is a hidden failure and it is registered only in the History.)

Cause/Action

Make a color copy of the Test Chart to check if Color Regi shift has occurred. If it has, perform DC956 Belt Edge Learn. (ADJ 18.1.13)

042-601 Belt Edge Learn Fail

BSD-ON:CH9.20

When in the Belt Edge Learn mode, the Belt Walk amount within the specified number of Belt revolution cycles is greater than the specified amount and the average position for one Belt cycle is out of the specification range. (This Fail occurs when the Belt Edge Learn did not complete properly. Take note that this Fail is a hidden failure and it is registered only in the History.)

Procedure

Make a color copy of the Test Chart. **Is the Color Regi shifted?**

Y N
 | No action necessary.

Pull out the IBT Unit and check the position of the IBT Belt. **Is the IBT Belt position near to the center?**

Y N
 | Move the IBT Belt nearer to the center, and then turn the machine OFF and ON.

Carry out DC956 Belt Edge Learn. (ADJ 18.1.13)

If the problem persists even after repeating the above procedure a few times, replace the IBT Belt. (PL 6.3)

042-602 Belt Edge Check Fail

BSD-ON:CH9.20

The is a large difference between the Edge Profile that is recorded at Belt Edge Check Control and the actual Edge Profile. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Refer to 042-601 FIP.

042-603 Main Filter Life Fail

BSD-ON:CH9.30

The Main Filter must be replaced. (This Fail occurs when the Blower Fan FG output is monitored at the specified time after a certain time has passed since the Drum Motor K had stopped and it is found that the number of the Blower Fan rotations have exceeded the specified value. Take note that this Fail is a hidden failure and it is registered only in the History.)

Cause/Action

Replace the following parts and clear the HFSI Counter [954-817].

- Suction Filter (PL 4.1)
- Ozone Filter (PL 4.1)

045-310 Image Ready NG

BSD-ON:CH3.1

The Controller image preparation failure was detected.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. Check the connectors (P425/ J425 and P335/ J335) between the MCU PWB, BP PWB, and ESS PWB for poor contacts.
3. If no problem is found, record the NVM [740-023] (Image Ready NG Result) value and contact the Support Group. (If possible, obtain the Controller communication logs as well)

045-311 Controller Communication Fail

BSD-ON:CH3.1, CH1.4

Communication error between ESS PWB and MCU PWB was detected.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Check whether the CR14 (GRN: +3.3VDC) and CR15 (GRN: +5V) on the MCU PWB are ON.
 - If they are ON, go to Step 2.
 - If any of them is OFF, refer to the BSD CH1.4 and check the power line to the LED(s) that did not turn ON.
2. Check whether the CR1 (RED: Reset) on the MCU PWB is ON or blinking.
 - If it is OFF, go to Step 3.
 - If it is ON or blinking, replace the MCU PWB. (PL 18.2)
3. Check the connectors (P425/ J425 and P335/ J335) between the MCU PWB, BP PWB, and ESS PWB for poor contacts.
4. If no problem is found, replace the following parts in sequence:
 - ESS PWB (PL 35.2)
 - MCU PWB (PL 18.2)
 - BP PWB (PL 18.2)

045-312 IOT Drive Serial I/F Error

BSD-ON:CH3.2, CH1.5

A serial communication error has occurred between the MCU PWB and the IOT PWB.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Check the voltage at IOT PWB J435-1. (+5VDC)
 - If it is not at +5VDC, refer to BSD CH1.5 and check the +5VDC circuit to the IOT PWB J435-1.
2. Check the connectors (P404/ J404) between the MCU PWB and the IOT PWB for poor contacts.
3. After the reset cancel, check whether the CR10 (RED: CPU Reset) on the IOT PWB is OFF.
 - If it is not OFF, replace the IOT PWB. (PL 18.2)
4. If the problem persists, replace the following parts in sequence:
 - IOT PWB (PL 18.2)
 - MCU PWB (PL 18.2)

045-314 IOT Sequence Time Over

BSD-ON:CH3.1

It was detected that the sequence processing within the IOT has exceeded the allowable time.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Turn the power OFF and ON. If the problem persists, record the following values and contact the Support Group. (If possible, obtain the Controller communication logs as well)

- IOT Software version
- NVM [740-014] (IOT State for STO)
- NVM [740-015] (Module Response for STO)
- NVM [740-016] (Setup Exec Bit 1 for STO)
- NVM [740-017] (Setup Exec Bit 2 for STO)
- NVM [740-018] (Print Instruction 1 for STO)
- NVM [740-019] (Print Instruction 2 for STO)
- NVM [742-035] (Debug HCF Data (STO))
- NVM [742-039] (Debug Unit State (STO))
- NVM [764-006] (Module State (for STO))
- NVM [764-008] (Pitch Occur Check (for STO))
- NVM [764-009] (Preparation Time (for STO))
- NVM [764-010] (Output State (for STO))

045-315 Video Line M Fail

BSD-ON:CH6.11

The system detected that the beam was not lighted due to a Video Line malfunction between the VIDEO ASIC of M color and the ROS LD DRIVER IC.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. Check the Flat Cable between the MCU PWB JA432/ JB432 and the LDD PWB M/K J1A M/ J1B M for open circuits, short circuits, and poor contacts.
3. If no problem is found, replace the following parts in sequence:
 - MCU PWB (PL 18.2)
 - ROS Assembly (Y, M) (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.2)

045-316 Video Line K Fail

BSD-ON:CH6.13

The system detected that the beam was not lighted due to a Video Line malfunction between the VIDEO ASIC of K color and the ROS LD DRIVER IC.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. Check the Flat Cable between the MCU PWB JA434/ JB434 and the LDD PWB M/K J1A K/ J1B K for open circuits, short circuits, and poor contacts.
3. If no problem is found, replace the following parts in sequence:
 - MCU PWB (PL 18.2)
 - ROS Assembly (C, K) (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.1)

045-317 MCU CPLD Serial I/F Error

BSD-ON:CH3.1

Communication cannot be established between the FPGA and the CPLD on the MCU PWB.

NOTE: When this Fail occurs, a misdetection of Heat Roll high temperature error might occur. After replacing the PWB, set the value of NVM [745-092] (High Temperature Error Detection History (Heat Roll)) to '0'.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. Check the FPGA and CPLD pins on the MCU PWB for foreign substances and improper soldering.
3. In the following high voltage system HVPS Supply Line, check for occurrence of leaks due to malfunctioning parts:
 - Deve Bias
 - PCC
 - CC
 - BCR
 - 1st BTR
 - 2nd BTR
4. If the problem persists, replace the MCU PWB. (PL 18.2)

045-360 CONTIF Error Y Fail

FIP

Refer to CF-004 FIP.

045-361 CONTIF Error M Fail

FIP

Refer to CF-004 FIP.

045-362 CONTIF Error C Fail

FIP

Refer to CF-004 FIP.

045-363 CONTIF Error K Fail

FIP

Refer to CF-004 FIP.

045-364 IRECT Error Y Fail

FIP

Refer to CF-005 FIP.

045-365 IRECT Error M Fail

FIP

Refer to CF-005 FIP.

045-366 IRECT Error C Fail**FIP**

Refer to CF-005 FIP.

045-367 IRECT Error K Fail**FIP**

Refer to CF-005 FIP.

047-210 OCT Offset Fail

BSD-ON:CH10.20

- At the Offset operation to the Front Position or the Rear Position, it failed to move in the same direction for 3 times in a row.
- When the Offset operation starts, both the Front Position Sensor and the Rear Position Sensor are turned ON.

Cause/Action

Check the following:

- The Front Position Sensor (DC330 [047-200]) for operation failure. (PL 17.4)
- The Rear Position Sensor (DC330 [047-201]) for operation failure. (PL 17.4)
- The OCT Motor (DC330 [047-001/002] (Rear/Front)) for operation failure. (PL 17.4)
- The light emitter or the light receptor section of the Front Position Sensor or the Rear Position Sensor for foreign substances.
- The OCT Motor for gear bite, damage, and foreign substances inside it.

If no problem is found, replace the MCU PWB. (PL 18.2)

047-310 Output Device Communication Fail

BSD-ON:CH3.7

Communication cannot be established between the IOT and the Output Device.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. Check the following:

NOTE: For more information on failures when the Output Device is a Finisher, refer to the Finisher Supplementary Service Manual.

- The connection between the MCU PWB J417 and the Output Device for open circuit, short circuit, and poor contact.
 - The connection between the IOT PWB J440 and the Output Device for open circuit, short circuit, and poor contact.
 - The Drawer Connector (DP680/J680) for broken/bent pins, burn damage, and foreign substances.
 - The power supply at the Output Device.
3. If no problem is found, replace the following parts in sequence:
 - MCU PWB (PL 18.2)
 - IOT PWB (PL 18.2)

047-320 All Out Tray Broken Fail

BSD-ON:CH3.7, CH26.4

All of the output destinations in the Output device are malfunctioning, and no output destination is available.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check Output Device Fail right before All Out Tray Broken Fail occurred and take necessary action for that Fail.

048-100 IFM/ICM Decurler In Sensor On Jam (IOT)

BSD-ON:CH26.11, CH28.11

The Decurler In Sensor did not turn ON within the specified time after the IOT Exit Sensor On.

Cause/Action

Check the following:

- The Decurler In Sensor (DC330 [048-102]) for operation failure. (PL 37.8, PL 38.8)
- The IFM/ICM Transport Motor (DC330 [048-001]) for operation failure. (PL 37.3, PL 38.3)
- The IOT and the IFM or ICM for improper docking.
- The Trans Roll and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the IFM PWB or the ICM PWB. (PL 37.2, PL 38.2)

048-102 IFM/ICM Exit Sensor On Jam

BSD-ON:CH26.15, CH26.14, CH26.11, CH28.16, CH23.15, CH28.11

The IFM/ICM Exit Sensor did not turn ON within the specified time after the Decurler In Sensor On.

Cause/Action

Check the following:

- The IFM/ICM Exit Sensor (DC330 [048-103]) for operation failure. (PL 37.11, PL 38.11)
- The Decurler Belt Motor (DC330 [048-002]) for operation failure. (PL 37.3, PL 38.3)
- The IFM/ICM Transport Motor (DC330 [048-001]) for operation failure. (PL 37.3, PL 38.3)
- The Decurler Belt for a revolution failure due to worn or deteriorated Upper/Lower Decurler Belt Roll.
- The Decurler Belt for improper installation.
- The Trans Roll and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the IFM PWB or the ICM PWB. (PL 37.2, PL 38.2)

048-300 IFM/ICM Front Door Open

BSD-ON:CH26.2, CH28.2

The Front Door of the IFM or ICM is open.

Cause/Action

Check the following:

- The IFM/ICM Front Door Interlock Switch (DC330 [048-300]) for operation failure. (PL 37.2, PL 38.2)
- The IFM/ICM Front Door for damage or mismatch.

If no problem is found, replace the IFM PWB or the ICM PWB. (PL 37.2, PL 38.2)

048-310 IFM/ICM Decurler Cam Position Sensor 1 On Fail

BSD-ON:CH26.13, CH28.14

After the Clock output of the Decurler Cam Motor had started, the Decurler Cam Position Sensor 1 did not turn ON within the specified time.

Cause/Action

Check the following:

- The Decurler Cam Position Sensor 1 (DC330 [048-201]) for operation failure. (PL 37.6, PL 38.6)
- The Decurler Cam Motor (DC330 [048-011]) for operation failure. (PL 37.3, PL 38.3)
- The Meniscus Actuator for damage.
- The Cam Shaft for revolution failure.
- The Coupling Cam for damage.
- The bearing for wear.

If no problem is found, replace the IFM PWB or the ICM PWB. (PL 37.2, PL 38.2)

048-311 IFM/ICM Decurler Cam Position Sensor 1 Off Fail

BSD-ON:CH26.13, CH28.14

After the Clock output of the Decurler Cam Motor had started, the Decurler Cam Position Sensor 1 did not turn OFF within the specified time.

Cause/Action

Refer to 048-310 FIP.

048-312 IFM/ICM Decurler Cam Position Sensor 2 On Fail

BSD-ON:CH26.13, CH28.14

After the Clock output of the Decurler Cam Motor had started, the Decurler Cam Position Sensor 2 did not turn ON within the specified time.

Cause/Action

Check the following:

- The Decurler Cam Position Sensor 2 (DC330 [048-202]) for operation failure. (PL 37.6, PL 38.6)
- The Decurler Cam Motor (DC330 [048-011]) for operation failure. (PL 37.3, PL 38.3)
- The Meniscus Actuator for damage.
- The Cam Shaft for revolution failure.
- The Coupling Cam for damage.
- The bearing for wear.

If no problem is found, replace the IFM PWB or the ICM PWB. (PL 37.2, PL 38.2)

048-313 IFM/ICM Decurler Cam Position Sensor 2 Off Fail

BSD-ON:CH26.13, CH28.14

After the Clock output of the Decurler Cam Motor had started, the Decurler Cam Position Sensor 2 did not turn OFF within the specified time.

Cause/Action

Refer to 048-312 FIP.

048-314 IFM/ICM Decurler Gate Sensor On Jam

BSD-ON:CH26.12, CH28.12

The Decurler Gate Sensor did not turn ON within the specified time after the Decurler Gate Solenoid On.

Cause/Action

Check the following:

- The Decurler Gate Sensor (DC330 [048-203]) for operation failure. (PL 37.7, PL 38.7)
- The Decurler Gate for operation failure (including an operation failure of the Decurler Gate Solenoid (DC330 [048-014/015] (Upper/Lower))). (PL 37.7, PL 38.7)
- The bearing for wear.

If no problem is found, replace the IFM PWB or the ICM PWB. (PL 37.2, PL 38.2)

048-315 IFM/ICM Decurler Gate Sensor Off Jam

BSD-ON:CH26.12, CH28.12

The Decurler Gate Sensor did not turn OFF within the specified time after the Decurler Gate Solenoid On.

Cause/Action

Refer to 048-314 FIP.

048-316 IFM/ICM Decurler Belt Motor Fail

BSD-ON:CH26.14, CH23.15

The rotation speed of the Decurler Belt Motor is out of the specification range.

Cause/Action

Check the following:

- The Decurler Belt Motor (DC330 [048-002]) for operation failure. (PL 37.3, PL 38.3)
- The Upper/Lower Decurler Belt Roll for revolution failure.
- The Drive Belt for improper tension.
- The bearing for wear.
- The Upper/Lower Idle Roll for revolution failure.

If no problem is found, replace the IFM PWB or the ICM PWB. (PL 37.2, PL 38.2)

048-317 IFM/ICM Cooling Fan 5 Fail

FIP

Refer to CF-006 FIP.

048-318 IFM/ICM Cooling Fan 1/2 Fail

FIP

Refer to CF-006 FIP.

048-319 IFM/ICM Cooling Fan 3/4 Fail

FIP

Refer to CF-006 FIP.

048-320 HCS 1 Communication Fail

BSD-ON:CH26.5, CH28.5, CH29.5

Communication cannot be established between the IFM or ICM and the HCS 1.

Cause/Action

1. Turn the power OFF and ON.
2. Turn OFF the power and check the following:
 - The connection between the IFM PWB J106 or ICM PWB J106 and the HCS PWB J1 for open circuit, short circuit, and poor contact.
 - The Lattice Connectors (P306/ J306 and P200/ J200) for broken/bent pins, burn damage, and foreign substances.
 - The power supply at the HCS for a malfunction.
3. If the problem persists, replace the following parts in sequence:
 - The IFM PWB or ICM PWB (PL 37.2, PL 38.2)
 - HCS PWB (PL 39.37)

048-321 Finisher D Communication Fail

BSD-ON:CH26.10, CH28.10

Communication cannot be established between the IFM or ICM and the Finisher D.

Cause/Action

1. Turn the power OFF and ON.
2. Turn OFF the power and check the following:
 - The connections between the IFM PWB J106 or ICM PWB J106 and the I/F PWB J8002, as well as between the I/F PWB J8006 and the Finisher PWB J8007 for open circuits, short circuits, and poor contacts.
 - The Lattice Connectors (P307/ J307 and P680/J680) for broken/bent pins, burn damage, and foreign substances.
 - The power supply at the Finisher for a malfunction.

NOTE: For more information on the PWB and power supply at the Finisher, refer to the Finisher Supplementary Service Manual.

3. If the problem persists, replace the IFM PWB or ICM PWB. (PL 37.2, PL 38.2)

048-322 Output Configuration Mismatch Fail

BSD-ON:CH26.4, CH28.4

Abnormal connection of the Interface Cable between the IFM or ICM and the various post-processing device.

Cause/Action

1. Check that the power supply to each post-processing device is turned ON.
2. Check whether the connection between each post-processing device and the IFM or ICM is normal

048-323 IFM/ICM Download Mode Fail

BSD-ON:CH26.4, CH28.4

Once the power supply has been shut down during Download Mode, it is always started in Download Mode.

Cause/Action

1. Enter Download Mode to perform IFM or ICM Download.
2. If unable to complete the Download successfully, replace the IFM PWB or ICM PWB. (PL 37.2, PL 38.2)

048-900 IFM/ICM Decurler In Sensor Static Jam

FIP

Refer to CF-007 FIP.

048-901 IFM/ICM Exit Sensor Static Jam

FIP

Refer to CF-007 FIP.

049-100 Top Tray Exit Sensor On Jam

BSD-ON:CH29.9, CH29.6, CH29.8

The Top Tray Exit Sensor did not turn ON within the specified time after the Top Tray Path Sensor On.

Cause/Action

Check the following:

- The Top Tray Exit Sensor (DC330 [049-101]) for operation failure. (PL 39.18)
- The HCS Transport Motor 1 (DC330 [049-028]) for operation failure. (PL 39.5)
- The Top Tray Clutch (DC330 [049-019]) for operation failure. (PL 39.6)

NOTE: *Driving the Top Tray Roll 1 and 2 is possible by combining with the HCS Transport Motor 1 (DC330 [049-028]).*

- The Top Tray Roll 1, 2 and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-101 Top Tray Exit Sensor Off Jam

BSD-ON:CH29.9, CH29.8

The Top Tray Exit Sensor did not turn OFF within the specified time after the Top Tray Exit Sensor On.

Cause/Action

Check the following:

- The Top Tray Exit Sensor (DC330 [049-101]) for operation failure. (PL 39.18)
- The Top Tray Motor (DC330 [049-036]) for operation failure. (PL 39.9)
- The Top Tray Exit Roll and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-102 Top Tray Path Sensor On Jam

BSD-ON:CH29.8, CH29.6, CH29.7

The Top Tray Path Sensor did not turn ON within the specified time after the Stacker Path Sensor On.

Cause/Action

Check the following:

- The Top Tray Path Sensor (DC330 [049-102]) for operation failure. (PL 39.16)
- The HCS Transport Motor 1 (DC330 [049-028]) for operation failure. (PL 39.5)
- The Top Tray Clutch (DC330 [049-019]) for operation failure. (PL 39.6)

NOTE: *Driving the Top Tray Roll 1 and 2 is possible by combining with the HCS Transport Motor 1 (DC330 [049-028]).*

- The Transport Clutch (DC330 [049-041]) for operation failure. (PL 39.6)

NOTE: *Driving the HCS Entrance Roll is possible by combining with the HCS Transport Motor 1 (DC330 [049-028]).*

- The Gate 1/2 for operation failure (including an operation failure of the Gate Solenoid 1/2 (DC330 [049-030] (Top))). (PL 39.23)
- The Top Tray Roll 1, HCS Entrance Roll, and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-104 Bypass Exit Sensor On Jam

BSD-ON:CH29.11, CH29.10

The Bypass Exit Sensor does not turn ON within the specified time after the Bypass Path Sensor 2 On.

Cause/Action

Check the following:

- The Bypass Exit Sensor (DC330 [049-103]) for operation failure. (PL 39.21)

- The HCS Transport Motor 2 (DC330 [049-042]) for operation failure. (PL 39.7)
- The Bypass Clutch 2 (DC330 [049-039]) for operation failure. (PL 39.8)

NOTE: Driving the Bypass Roll 2 to 4 is possible by combining with the HCS Transport Motor 2 (DC330 [049-042]).

- The Bypass Clutch 3 (DC330 [049-040]) for operation failure. (PL 39.12)
- **NOTE:** Driving the Bypass Roll 5 and 6 is possible by combining with the HCS Transport Motor 2 (DC330 [049-042]) and the Bypass Clutch 2 (DC330 [049-039]).
- The Bypass Roll 4 - 6 and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-106 Bypass Exit Sensor On Jam (Purge Enable)

BSD-ON:CH29.11

The Bypass Exit Sensor does not turn ON within the specified time after the Bypass Path Sensor 2 On. (Though the relevant paper stops, subsequent paper can be output to the Top Tray)

Cause/Action

Refer to 049-104 FIP.

049-108 Bypass Path Sensor 1 On Jam

BSD-ON:CH29.10, CH29.11, CH29.7

The Bypass Path Sensor 1 did not turn ON within the specified time after the Stacker Path Sensor On.

Cause/Action

Check the following:

- The Bypass Path Sensor 1 (DC330 [049-104]) for operation failure. (PL 39.19)
- The HCS Transport Motor 2 (DC330 [049-042]) for operation failure. (PL 39.7)
- The Bypass Clutch 1 (DC330 [049-038]) for operation failure. (PL 39.8)

NOTE: Driving the Bypass Roll 1 is possible by combining with the HCS Transport Motor 2 (DC330 [049-042]).

- The Gate 1/2 for operation failure (including an operation failure of the Gate Solenoid 1/2 (DC330 [049-032] (Bypass))). (PL 39.23)
- The Bypass Roll 1 and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-113 Stacker Path Sensor On Jam

BSD-ON:CH29.6, CH26.15, CH28.16

The Stacker Path Sensor did not turn ON within the specified time after the IFM/ICM Exit Sensor On.

Cause/Action

Check the following:

- The Stacker Path Sensor (DC330 [049-105]) for operation failure. (PL 39.16)
- The IFM/ICM Exit Motor (DC330 [048-048]) for operation failure. (PL 37.3, PL 38.3)
- The IFM/ICM Exit Roll and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The IFM or ICM and the HCS for improper docking.
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- The IFM PWB or ICM PWB (PL 37.2, PL 38.2)

049-114 Stacker Path Sensor Off Jam

BSD-ON:CH29.6

The Stacker Path Sensor did not turn OFF within the specified time after the Stacker Path Sensor On.

Initial Actions

Refer to the Fail History and, if any of 049-280, 049-281, 049-282, or 049-283 has occurred, go to the relevant FIP.

Cause/Action

Check the following:

- The Stacker Path Sensor (DC330 [049-105]) for operation failure. (PL 39.16)
- The HCS Transport Motor 1 (DC330 [049-028]) for operation failure. (PL 39.5)
- The Transport Clutch (DC330 [049-041]) for operation failure. (PL 39.6)

NOTE: Driving the HCS Entrance Roll is possible by combining with the HCS Transport Motor 1 (DC330 [049-028]).

- The HCS Entrance Roll and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-115 Stacker Exit Sensor On Jam

BSD-ON:CH29.12, CH29.6, CH29.7

The Stacker Exit Sensor did not turn ON within the specified time after the Stacker Path Sensor On.

Initial Actions

Refer to the Fail History and, if any of 049-280, 049-281, 049-282, or 049-283 has occurred, go to the relevant FIP.

Cause/Action

Check the following:

- The Stacker Exit Sensor (DC330 [049-106]) for operation failure. (PL 39.27)
- The HCS Transport Motor 1 (DC330 [049-028]) for operation failure. (PL 39.5)
- The Transport Clutch (DC330 [049-041]) for operation failure. (PL 39.6)

NOTE: Driving the HCS Entrance Roll is possible by combining with the HCS Transport Motor 1 (DC330 [049-028]).

- The Gate 1/2 for operation failure (including an operation failure of the Gate Solenoid 1/2 (DC330 [049-031] (Stacker))). (PL 39.23)
- The HCS Entrance Roll and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-116 Stacker Exit Sensor Off Jam

BSD-ON:CH29.12

The Stacker Exit Sensor did not turn OFF within the specified time after the Stacker Exit Sensor On.

Cause/Action

Check the following:

- The Stacker Exit Sensor (DC330 [049-106]) for operation failure. (PL 39.27)
- The Stacker Exit Motor (DC330 [049-034]) for operation failure. (PL 39.25)
- The Stacker Exit Roll and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-117 Bypass Path Sensor 2 On Jam

BSD-ON:CH29.10, CH29.11

The Bypass Path Sensor 2 does not turn ON within the specified time after the Bypass Path Sensor 1 On.

Cause/Action

Check the following:

- The Bypass Path Sensor 2 (DC330 [049-107]) for operation failure. (PL 39.20)
- The HCS Transport Motor 2 (DC330 [049-042]) for operation failure. (PL 39.7)
- The Bypass Clutch 2 (DC330 [049-039]) for operation failure. (PL 39.8)

NOTE: Driving the Bypass Roll 2 to 4 is possible by combining with the HCS Transport Motor 2 (DC330 [049-042]).

- The Bypass Roll 2, 3 and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-119 Bypass Path Sensor 2 On Jam (Purge Enable)

BSD-ON:CH29.10

The Bypass Path Sensor 2 does not turn ON within the specified time after the Bypass Path Sensor 1 On. (Though the relevant paper stops, subsequent paper can be output to the Top Tray)

Cause/Action

Refer to 049-117 FIP.

049-121 Stacker Exit Sensor Off Jam (Purge Enable)

BSD-ON:CH29.12

The Stacker Exit Sensor did not turn OFF within the specified time after the Stacker Exit Sensor On. (Though the relevant paper stops, subsequent paper can be output to the Top Tray)

Cause/Action

Refer to 049-116 FIP.

049-210 Front Door Lock Sensor On Fail

BSD-ON:CH29.3

The Front Door Lock Sensor does not detect Lock. (This does not occur during stacking)

Cause/Action

Check the following:

- The Front Door Lock Sensor (DC330 [049-200]) for operation failure. (PL 39.35)
- The Front Door Lock Solenoid (DC330 [049-001/002] (Lock/Unlock)) for operation failure. (PL 39.35)
- The Front Door Lock Sensor for contamination and improper installation.
- The Latch section for a failure due to mechanical loading.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-211 Front Door Lock Sensor Off Fail

BSD-ON:CH29.3

The Front Door Lock Sensor does not detect Unlock. (This does not occur during stacking)

Cause/Action

Check the following:

- The Front Door Lock Sensor (DC330 [049-200]) for operation failure. (PL 39.35)
- The Front Door Lock Solenoid (DC330 [049-001/002] (Lock/Unlock)) for operation failure. (PL 39.35)
- The Front Door Lock Sensor for improper installation and incident light diffraction.
- The Latch section for a failure due to mechanical loading.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-212 Stacker Up Fail

BSD-ON:CH29.3, CH29.16, CH29.18, CH29.19, CH29.20

Any of the following sensors did not turn ON within the specified time after the Stacker Elevator Motor On (rise). (This does not occur during stacking)

- Stacker Upper Limit Sensor
- Stacker Height Sensor Side Left/Side Center/Side Right
- Stacker Height Control Sensor
- Stacker Height Sensor Lead

Initial Actions

If the Stacker is stopped at the highest level, turn the Rotor of the Elevator Motor with a Hand Crank to lower the Stander before servicing.

Cause/Action

Check the following:

- The Elevator Motor (DC330 [049-008]) for operation failure. (PL 39.38)
- The Stacker Upper Limit Sensor (DC330 [049-241]) for operation failure. (PL 39.28)
- The Stacker Height Sensor Side Left (DC330 [049-209]) for operation failure. (PL 39.37, PL 39.3)
- The Stacker Height Sensor Side Center (DC330 [049-210]) for operation failure. (PL 39.3, PL 39.37)
- The Stacker Height Sensor Side Right (DC330 [049-211]) for operation failure. (PL 39.37, PL 39.3)
- The Stacker Height Sensor Lead (DC330 [049-212]) for operation failure. (PL 39.35, PL 39.27)
- The Stacker Height Control Sensor (DC330 [049-215]) for operation failure. (PL 39.27)
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- The Stacker Tray for pinching
- The Stacker operation path for foreign substances.
- The Stacker Tray for level failure. (ADJ 39.39.1)

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-213 Stacker Down Fail

BSD-ON:CH29.16, CH29.2

The Stacker Lower Limit Switch and the Dolly Set Position Sensor did not turn ON within the specified time after the Stacker Elevator Motor On (dropping). (This does not occur during stacking)

Cause/Action

Check the following:

- The Elevator Motor (DC330 [049-008]) for operation failure. (PL 39.38)
- The Stacker Lower Limit Switch (DC330 [049-219]) for operation failure. (PL 39.35)
- The Dolly Set Position Sensor (DC330 [049-207]) for operation failure. (PL 39.35)
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- The Stacker Tray for pinching
- The Stacker operation path for foreign substances.
- The Stacker Tray for level failure. (ADJ 39.39.1)

- The Right Tray Arm Actuator for deformation.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-214 Dolly Set Position Sensor On Fail

BSD-ON:CH29.16

After the Dolly is set and the Front Door is closed, the Tray Set Sensor turns ON and the Dolly Set Position Sensor turns OFF. (This does not occur during stacking)

Cause/Action

Check the following:

- The Dolly Set Position Sensor (DC330 [049-207]) for operation failure. (PL 39.35)
- The Tray Set Sensor (DC330 [049-208]) for operation failure. (PL 39.36)
- The Dolly Set Position Sensor and the Tray Set Sensor for contamination and improper installation.

If no problem is found, replace the HCS PWB. (PL 39.37)

049-215 Dolly Set Position Sensor Off Fail

BSD-ON:CH29.16

The Dolly Set Position Sensor did not turn OFF within the specified time after the Stacker Elevator Motor On (rise). (This does not occur during stacking)

Cause/Action

Check the following:

- The Dolly Set Position Sensor (DC330 [049-207]) for operation failure. (PL 39.35)
- The Elevator Motor (DC330 [049-008]) for operation failure. (PL 39.38)
- The Dolly Set Position Sensor for improper installation.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-216 Stacker Full Sensor On Fail

BSD-ON:CH29.17, CH29.16

After the Dolly is set and the Front Door is closed, the Stacker Full Sensor did not turn ON. (This does not occur during stacking)

Cause/Action

Check the following:

- The Stacker Full Sensor (DC330 [049-214]) for operation failure. (PL 39.35)
- The Elevator Motor (DC330 [049-008]) for operation failure. (PL 39.38)
- The Stacker Full Sensor for improper installation.
- The Right Tray Arm Actuator for deformation.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-217 Stacker Full Sensor Off Fail**BSD-ON:CH29.17, CH29.16**

The Stacker Full Sensor did not turn OFF within the specified time after the Stacker Elevator Motor On (rise). (This does not occur during stacking)

Cause/Action

Check the following:

- The Stacker Full Sensor (DC330 [049-214]) for operation failure. (PL 39.35)
- The Elevator Motor (DC330 [049-008]) for operation failure. (PL 39.38)
- The Stacker Full Sensor for improper installation.
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- The Stacker Tray for pinching
- The Stacker operation path for foreign substances.
- The Stacker Tray for level failure. (ADJ 39.39.1)

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-218 Stacker Height Sensor Off Fail**BSD-ON:CH29.18, CH29.19, CH29.20, CH29.16**

Any of the following sensors did not turn OFF within the specified time after the Stacker Elevator Motor On (rise). (This does not occur during stacking)

- Stacker Height Sensor Side Left/Side Center/Side Right
- Stacker Height Control Sensor
- Stacker Height Sensor Lead

Initial Actions

If the Stacker is stopped at the highest level, turn the Rotor of the Elevator Motor with a Hand Crank to lower the Stander before servicing.

Cause/Action

Check the following:

- The Elevator Motor (DC330 [049-008]) for operation failure. (PL 39.38)
- The Stacker Height Sensor Side Left (DC330 [049-209]) for operation failure. (PL 39.37, PL 39.3)
- The Stacker Height Sensor Side Center (DC330 [049-210]) for operation failure. (PL 39.3, PL 39.37)
- The Stacker Height Sensor Side Right (DC330 [049-211]) for operation failure. (PL 39.37, PL 39.3)
- The Stacker Height Sensor Lead (DC330 [049-212]) for operation failure. (PL 39.35, PL 39.27)
- The Stacker Height Control Sensor (DC330 [049-215]) for operation failure. (PL 39.27)
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- The Stacker Tray for pinching
- The Stacker operation path for foreign substances.
- The Stacker Tray for level failure. (ADJ 39.39.1)

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-219 HCS Front Door Open**BSD-ON:CH29.2**

HCS Front Door Switch Open was detected when the Front Door is locked.

Cause/Action

Check the following:

- The HCS Front Door Switch (DC330 [049-302]) for operation failure. (PL 39.35)
- The HCS Front Door for damage or mismatch.

If no problem is found, replace the HCS PWB. (PL 39.37)

049-220 Stacker Tray Upper Limit Fail

BSD-ON:CH29.2

After the Stacker Tray started ascending, the Stacker Upper Limit Switch turned ON.

Cause/Action

1. Check the Stacker Upper Limit Switch (DC330 [049-201]) for operation failure. (PL 39.28)

NOTE: If the Stacker is stopped with the Stacker Upper Limit Switch stepped on, turn the Rotor of the Elevator Motor with a Hand Crank to lower the Stander before servicing.

2. If no problem is found, replace the HCS PWB. (PL 39.37)

049-221 Stacker Tray Lower Limit Fail

BSD-ON:CH29.2

After the Stacker Tray started descending, the Stacker Lower Limit Switch turned ON.

Cause/Action

1. Check the Stacker Lower Limit Switch (DC330 [049-219]) for operation failure. (PL 39.35)

NOTE: If the Stacker is stopped with the Stacker Lower Limit Switch stepped on, turn the Rotor of the Elevator Motor with a Hand Crank to raise the Stander before servicing.

2. If no problem is found, replace the HCS PWB. (PL 39.37)

049-224 Rear Paper Edge Sensor Initialize Fail

BSD-ON:CH29.15

During initialization, the Rear Paper Edge Sensor detected paper.

Cause/Action

1. Check the Rear Paper Edge Sensor (DC330 [049-232]) for operation failure. (PL 39.27)
2. Remove the Stacker Exit Roll Housing and check whether there is any paper bits remaining directly beneath the Rear Paper Edge Sensor.
3. If no problem is found, replace the HCS PWB. (PL 39.37)

049-225 Front Paper Edge Sensor Initialize Fail

BSD-ON:CH29.15

During initialization, the Front Paper Edge Sensor detected paper.

Cause/Action

1. Check the Front Paper Edge Sensor (DC330 [049-233]) for operation failure. (PL 39.27)
2. Remove the Stacker Exit Roll Housing and check whether there is any paper bits remaining directly beneath the Front Paper Edge Sensor.
3. If no problem is found, replace the HCS PWB. (PL 39.37)

049-228 Lead Tamper Home Sensor On Fail

BSD-ON:CH29.25

The Lead Tamper Home Sensor does not turn ON within the specified time after the Lead Tamper Motor On.

Cause/Action

Check the following:

- The Lead Tamper Home Sensor (DC330 [049-221]) for operation failure. (PL 39.32)
 - Move the Lead Tamper right and left manually to check the Sensor.
- The Lead Tamper Motor (DC330 [049-010]) for operation failure. (PL 39.32)
- The Lead Tamper Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- The Drive Shaft for revolution failure.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-229 Lead Tamper Home Sensor Off Fail

BSD-ON:CH29.25

The Lead Tamper Home Sensor did not change from ON to OFF when the Lead Tamper moved to the Home position.

Cause/Action

Refer to 049-228 FIP.

049-232 Set Clamp Home Sensor On Fail

BSD-ON:CH29.26

The Set Clamp Home Sensor does not turn ON within the specified time after the Set Clamp Motor On.

Cause/Action

Check the following:

- The Set Clamp Home Sensor (DC330 [049-223]) for operation failure. (PL 39.31)
 - Rotate the Set Clamp Drive Shaft manually to check the Sensor.
- The Set Clamp Motor (DC330 [049-009]) for operation failure. (PL 39.32)
- The Set Clamp Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- The Drive Shaft for revolution failure.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-233 Set Clamp Home Sensor Off Fail

BSD-ON:CH29.26

The Set Clamp Home Sensor does not turn OFF within the specified time after the Set Clamp Motor On.

Cause/Action

Refer to 049-232 FIP.

049-234 Side Tamper Extension Home Sensor On Fail

BSD-ON:CH29.22

The Side Tamper Extension Home Sensor does not turn ON within the specified time after the Side Tamper Extension Motor On.

Cause/Action

Check the following:

- The Side Tamper Extension Home Sensor (DC330 [049-224]) for operation failure. (PL 39.30)
 - Turn the second Shaft from the left when viewed from underneath of the Tamper Unit to check the Sensor.
- The Side Tamper Extension Motor (DC330 [049-014]) for operation failure. (PL 39.30)
- The Pad for pinching
- The Drive Gear for wear and damage.
- The Drive Shaft for revolution failure.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-235 Side Tamper Extension Home Sensor Off Fail

BSD-ON:CH29.22

When the extension is being set, the Side Tamper Extension Home Sensor did not change from ON to OFF. (A failure is detected when it moves from the Release position (Home position) -> the Set position)

Cause/Action

Refer to 049-234 FIP.

049-236 Rear Tamper Home Sensor On Fail

BSD-ON:CH29.24

The Rear Tamper Home Sensor does not turn ON within the specified time after the Rear Tamper Motor On.

Cause/Action

Check the following:

- The Rear Tamper Home Sensor (DC330 [049-225]) for operation failure. (PL 39.33)
 - Move the Rear Tamper manually to check the Sensor.
- The Rear Tamper Motor (DC330 [049-011]) for operation failure. (PL 39.33)
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- The Drive Shaft for revolution failure.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-237 Rear Tamper Home Sensor Off Fail

BSD-ON:CH29.24

The Rear Tamper Home Sensor did not change from ON to OFF (the Home position movement operation is not complete) within the specified time after moving to the Home position started.

Cause/Action

Refer to 049-236 FIP.

049-238 Front Tamper Home Sensor On Fail

BSD-ON:CH29.23

The Front Tamper Home Sensor does not turn ON within the specified time after the initialization started.

Cause/Action

Check the following:

- The Front Tamper Home Sensor (DC330 [049-226]) for operation failure. (PL 39.29)
 - Move the Front Tamper manually to check the Sensor.
- The Front Tamper Motor (DC330 [049-012]) for operation failure. (PL 39.29)
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- The Drive Shaft for revolution failure.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-239 Front Tamper Home Sensor Off Fail

BSD-ON:CH29.23

The Front Tamper Home Sensor did not change from ON to OFF (the Home position movement operation is not complete) within the specified time after moving to the Home position started.

Cause/Action

Refer to 049-238 FIP.

049-240 Pad Move Home Sensor On Fail

BSD-ON:CH29.21

The Pad Move Home Sensor does not turn ON within the specified time after the Pad Move Motor On.

Cause/Action

Check the following:

- The Pad Move Home Sensor (DC330 [049-227]) for operation failure. (PL 39.30)
 - Turn the second Shaft from the right when viewed from underneath of the Tamper Unit to check the Sensor.
- The Pad Move Motor (DC330 [049-013]) for operation failure. (PL 39.30)

- The Drive Gear for wear and damage.
- The Drive Shaft for revolution failure.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-241 Pad Move Home Sensor Off Fail

BSD-ON:CH29.21

The Pad Move Home Sensor does not turn OFF within the specified time after the Pad Move Motor On.

Cause/Action

Refer to 049-240 FIP.

049-242 Stacker Exit Roll Home Sensor On Fail

BSD-ON:CH29.13

The Stacker Exit Roll Home Sensor did not turn ON within the specified time after the Stacker Exit Roll Offset Motor On.

Cause/Action

Check the following:

- The Stacker Exit Roll Home Sensor (DC330 [049-229]) for operation failure. (PL 39.27)
 - Move the Stacker Exit Roll Housing to front and rear manually to check the Sensor.
- The Stacker Exit Roll Offset Motor (DC330 [049-029]) for operation failure. (PL 39.27)
- The Drive Gear for wear and damage.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-243 Stacker Exit Roll Home Sensor Off Fail

BSD-ON:CH29.13

The Stacker Exit Roll Home Sensor did not change from ON to OFF when paper is output to the Stacker and during initialization. (The Stacker Exit Roll does not offset from the Stacker Exit Roll Home Sensor On position to the rear)

Cause/Action

Refer to 049-242 FIP.

049-248 Paper Edge Home Sensor On Fail**BSD-ON:CH29.14**

The Paper Edge Home Sensor does not turn ON within the specified time after the Edge Sensor Move Motor On.

Cause/Action

Check the following:

- The Paper Edge Home Sensor (DC330 [049-234]) for operation failure. (PL 39.27)
 - Remove the Stacker Chute (PL 39.24). Remove the Paper Edge Home Sensor together with the Bracket to check the Sensor.
- The Edge Sensor Move Motor (DC330 [049-021]) for operation failure. (PL 39.27)
- The Drive Gear for wear and damage.
- The Front/Rear Rack Gear for wear and damage.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-251 Paper Fan 1 Fail**FIP**

Refer to CF-008 FIP.

049-252 Paper Fan 2 Fail**FIP**

Refer to CF-008 FIP.

049-253 Upper Fan Fail**FIP**

Refer to CF-008 FIP.

049-280 Gate Sensor 1 Fail 1**BSD-ON:CH29.7**

The Gate Sensor 1 did not switch within the specified time after the Gate Solenoid 1/2 has been controlled. (It did not switch to the Stacker side)

Cause/Action

Check the following:

- The Gate 1/2 for operation failure (including an operation failure of the Gate Solenoid 1/2 (DC330 [049-030/031/032] (Top/Stacker/Bypass))). (PL 39.23)
- The Gate Sensor 1 (DC330 [049-230]) for operation failure. (PL 39.23)

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-281 Gate Sensor 1 Fail 2**BSD-ON:CH29.7**

The Gate Sensor 1 did not switch within the specified time after the Gate Solenoid 1/2 has been controlled. (It did not switch to the Top Tray/Bypass side)

Cause/Action

Refer to 049-280 FIP.

049-282 Gate Sensor 2 Fail 1**BSD-ON:CH29.7**

The Gate Sensor 2 did not switch within the specified time after the Gate Solenoid 1/2 has been controlled. (It did not switch to the Top Tray side)

Cause/Action

Check the following:

- The Gate 1/2 for operation failure (including an operation failure of the Gate Solenoid 1/2 (DC330 [049-030/031/032] (Top/Stacker/Bypass))). (PL 39.23)
- The Gate Sensor 2 (DC330 [049-231]) for operation failure. (PL 39.23)

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-283 Gate Sensor 2 Fail 2

BSD-ON:CH29.7

The Gate Sensor 2 did not switch within the specified time after the Gate Solenoid 1/2 has been controlled. (It did not switch to the Bypass side)

Cause/Action

Refer to 049-282 FIP.

049-284 Paper Edge Home Sensor Off Fail

BSD-ON:CH29.14

The Paper Edge Home Sensor did not change from ON to OFF during initialization.

Cause/Action

Refer to 049-248 FIP.

049-285 EEPROM Read/Write Error

BSD-ON:CH29.5

An error has occurred during EEPROM Read/Write. (The IC has a failure, or the EEPROM is not inserted)

Cause/Action

Check the following:

- Whether the EEPROM is installed or not.
- The EEPROM for wrong installation (installed in reverse orientation).
- Check for poor contact between the EEPROM and the socket.

If no problem is found, replace the HCS PWB. (PL 39.37)

049-286 EEPROM Sum Error

BSD-ON:CH29.5

The EEPROM data is abnormal. (Sum value is different)

Cause/Action

Refer to 049-285 FIP.

049-287 System Error

BSD-ON:CH29.5

Error has occurred in the PWB.

Cause/Action

1. Turn the power OFF and ON.
2. If the problem persists, replace the HCS PWB. (PL 39.37)

049-288 HCS Drive PWB Not Connected

BSD-ON:CH29.5

The HCS PWB and the HCS Drive PWB are not connected.

Cause/Action

1. Turn the power OFF and ON.
2. Check the connector (P/J11) between the HCS PWB and the HCS Drive PWB for poor contact, foreign substances, and etc.
3. If no problem is found, replace the following parts in sequence:
 - HCS PWB (PL 39.37)
 - HCS Drive PWB (PL 39.37)

049-300 HCS Upper Cover Switch Open

BSD-ON:CH29.2

The HCS Upper Cover is open.

Cause/Action

Check the following:

- The HCS Upper Cover Switch (DC330 [049-301]) for operation failure. (PL 39.4)
- The HCS Upper Cover for damage or mismatch.

If no problem is found, replace the HCS PWB. (PL 39.37)

049-310 HCS Download Mode Fail

BSD-ON:CH29.5

The download ended abnormally and the machine can only start in the Download Mode at Power ON.

Cause/Action

1. Check whether LED LD5 on the HCS PWB is turned ON. If it is not turned ON, check the +24VDC and +5VDC circuits.
2. Check the connection between the IFM PWB J106 or ICM PWB J106 and the HCS PWB J1 for open circuit, short circuit, and poor contact.
3. Enter Download Mode to perform HCS Download.
4. If the problem persists, replace the HCS PWB. (PL 39.37)

049-700 Media Type NG

BSD-ON:CH29.5

Transport request for the paper type that cannot be stacked (Tabs) was received.

Cause/Action

1. Check the controller settings.
2. Check the connection between the IFM PWB J106 or ICM PWB J106 and the HCS PWB J1 for open circuit, short circuit, and poor contact.
3. If the problem persists, replace the HCS PWB. (PL 39.37)

049-900 Top Tray Exit Sensor Static Jam

FIP

Refer to CF-009 FIP.

049-901 Top Tray Path Sensor Static Jam

FIP

Refer to CF-009 FIP.

049-902 Bypass Exit Sensor Static Jam

FIP

Refer to CF-009 FIP.

049-903 Bypass Path Sensor 1 Static Jam

FIP

Refer to CF-009 FIP.

049-905 Stacker Path Sensor Static Jam

FIP

Refer to CF-009 FIP.

049-907 Stacker Exit Sensor Static Jam**FIP**

Refer to CF-009 FIP.

049-908 Bypass Path Sensor 2 Static Jam

FIP

Refer to CF-009 FIP.

049-940 Front Door Switch Open

BSD-ON:CH29.2

HCS Front Door Switch was detected to be Open. (This does not occur during stacking)

Cause/Action

Refer to 049-219 FIP.

049-941 Tray Set Fail

BSD-ON:CH29.16

After the Dolly is set and the Front Door is closed, the Dolly Set Position Sensor turns ON and the Tray Set Sensor turns OFF.

Cause/Action

Check the following:

- The Tray Set Sensor (DC330 [049-208]) for operation failure. (PL 39.36)
- The Dolly Set Position Sensor (DC330 [049-207]) for operation failure. (PL 39.35)
- The Tray Set Sensor and the Dolly Set Position Sensor for contamination and improper installation.
- The Tray Set Lever for operation failure. (PL 39.36)

If no problem is found, replace the HCS PWB. (PL 39.37)

049-945 Top Tray Full

BSD-ON:CH29.9

The Top Tray Full Sensor detected Full for the specified time continuously.

Cause/Action

Check the following:

- The Top Tray Full Sensor (DC330 [049-228]) for operation failure. (PL 39.17)
- Remove the Top Tray outlet for foreign substances.
- The Top Tray Full Sensor for improper installation.
- Misdetection due to curled paper.

If no problem is found, replace the HCS PWB. (PL 39.37)

049-960 Stacker Up Curl Sensor Off Fail

BSD-ON:CH29.20

Stacker stacking error was detected. (After descending adjustment during jog (after height control), the Stacker Up Curl Sensor detected Low (blocked light))

Cause/Action

Check the following:

- The Stacker Up Curl Sensor (DC330 [049-244]) for operation failure. (PL 39.31)
- The Stacker Up Curl Sensor for improper installation.
- Misdetection due to curled paper.
- The Damper for operation failure. (PL 39.31)
- Usage of out of spec paper.

If no problem is found, replace the HCS PWB. (PL 39.37)

049-964 Stacker Height Sensor On Fail

BSD-ON:CH29.18

One of the following sensors detected High even after descending adjustment (height control) was performed for the specified times continuously during paper loading. (Height control error)

- Stacker Height Sensor Side Left/Side Center/Side Right
- Stacker Height Control Sensor
- Stacker Height Sensor Lead

Cause/Action

Refer to 049-218 FIP.

049-965 Stacker Sheet Count Full Stack

BSD-ON:CH29.16

The Stacker output sheets exceeded the setting value.

Cause/Action

Remove the paper from the Stacker and check the setting values of NVM [991-120 to 157] (excluding NVM [991-138/139]).

049-966 Stacker Height Limit Full Stack

BSD-ON:CH29.16

The stacking level on the Stacker exceeded the setting.

Cause/Action

Check the following:

- The Elevator Motor (DC330 [049-008]) for operation failure. (PL 39.38)
- The Elevator Encoder Sensor (DC330 [049-243]) for operation failure. (PL 39.38)
 - Turn the Rotor of the Motor with the HCS Front Door opened so that the Elevator Motor does not rotate, and check the Sensor.
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- The Stacker Tray for pinching
- The Stacker operation path for foreign substances.
- The Stacker Tray for level failure. (ADJ 39.39.1)
- Setting values of NVM [991-120 to 157] (excluding NVM [991-138/139]).

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-967 Paper Remain at Stacker Tray

BSD-ON:CH29.17

The Stacker No Paper Sensor detected paper after the Front Door is opened and closed with no paper on the Stacker.

Cause/Action

Check the following:

- The Stacker No Paper Sensor (DC330 [049-218]) for operation failure. (PL 39.34)
- The Stacker No Paper Sensor for contamination on the light receptor and light emission parts.
- The Stacker Tray for contamination on the Prism and operation failure of the Actuator.

- The Stacker Tray for improper installation.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- Stacker Tray (PL 39.41)

049-968 Mix Size Stacker Full

BSD-ON:CH29.16

The stacking level on the Stacker exceeded the setting at Mix Size.

Cause/Action

Check the following:

- The Elevator Motor (DC330 [049-008]) for operation failure. (PL 39.38)
- The Elevator Encoder Sensor (DC330 [049-243]) for operation failure. (PL 39.38)
 - Turn the Rotor of the Motor with the HCS Front Door opened so that the Elevator Motor does not rotate, and check the Sensor.
- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- The Stacker Tray for pinching
- The Stacker operation path for foreign substances.
- The Stacker Tray for level failure. (ADJ 39.39.1)
- NVM [991-174] setting value.

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-969 Elevator Motor Step Out

BSD-ON:CH29.16

The Elevator Encoder Sensor detected level does not change when the Elevator lifts up.

Cause/Action

Check the following:

- The Elevator Motor (DC330 [049-008]) for operation failure. (PL 39.38)
- The Elevator Encoder Sensor (DC330 [049-243]) for operation failure. (PL 39.38)

- Turn the Rotor of the Motor with the HCS Front Door opened so that the Elevator Motor does not rotate, and check the Sensor.

- The Drive Belt for disengagement, deterioration, and improper tension.
- The Drive Gear for wear and damage.
- The Stacker Tray for pinching
- The Stacker operation path for foreign substances.
- The Stacker Tray for level failure. (ADJ 39.39.1)

If no problem is found, replace the following parts in sequence:

- HCS PWB (PL 39.37)
- HCS Drive PWB (PL 39.37)

049-970 Stacker Upper Limit Fail

BSD-ON:CH29.3

When the Stacker Tray was ascending, the Stacker Upper Limit Sensor turned ON.

Cause/Action

Check the following:

- The Stacker Upper Limit Sensor (DC330 [049-241]) for operation failure. (PL 39.28)
- The Stacker Upper Limit Sensor for improper installation.
- The Actuator for return failure.

If no problem is found, replace the HCS PWB. (PL 39.37)

049-971 Stacker Full Stack

BSD-ON:CH29.17

During the Stacker Tray height adjustment, the Stacker Full Sensor turned ON.

Cause/Action

Check the following:

- The Stacker Full Sensor (DC330 [049-214]) for operation failure. (PL 39.35)
- The Stacker Full Sensor for improper installation.

If no problem is found, replace the HCS PWB. (PL 39.37)

049-972 Stacker Middle Stack

BSD-ON:-

The stacking level on the Stacker exceeded the setting.

Cause/Action

Remove the paper from the Stacker and check the setting values of NVM [991-160 to 171].

059-313 Wait Heat Roll Fusing Short On Time Fail

BSD-ON:CH10.4

The Lamp ON duration during warm up is short.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- Whether the rated voltage of the machine matches the rated voltage of the installed Fusing Unit.
- The Fusing Unit for improper installation

If no problem is found, replace the Fusing Unit. (PL 7.1)

059-324 Heat Roll Fail

BSD-ON:CH10.4

The temperature change at the Heat Roll is abnormal due to paper that got wound up or stuck to the Heat Roll.

NOTE: To clear this Fail, first remove the cause, next clear the value of NVM [765-531] (Fusing Unit HR Fail Judgment Result) to '0', and then turn the power OFF and ON.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check if there is any paper winding around the Heat Roll.

If no problem is found, replace the Fusing Unit. (PL 7.1)

059-325 Heat Roll Over Temperature Fail

BSD-ON:CH10.4, CH10.3

Heat Roll high temperature error was detected by the Fusing Unit NC Center Sensor, NC Rear Sensor, or Heat Roll Thermistor.

NOTE: To clear this Fail, first remove the cause, next clear the value of NVM [745-092] (High Temperature Error Detection History (Heat Roll)) to '0', and then turn the power OFF then ON. The relationship between the displayed value and the sensor that detected the high temperature error is as follows:

- 0: Normal
- 1: High temperature error (NC Center Sensor)

- 2: High temperature error (NC Rear Sensor)
- 3: High temperature error (Heat Roll Thermistor)
- 4: High temperature error (NC Center Sensor (Temp))
- 5: High temperature error (NC Rear Sensor (Temp))
- 4: High temperature error (NC Center Sensor (Inf))
- 5: High temperature error (NC Rear Sensor (Inf))

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Main Lamp 1 (DC330 [010-007]) for operation failure.
- The Main Lamp 2 (DC330 [010-008]) for operation failure.
- The Sub Lamp (DC330 [010-009]) for operation failure.
- The Thermostat for operation failure.
- The NC Center Sensor and the NC Rear Sensor for dropped parts, contamination on sensor, and clogging due to foreign substances.
- The Heat Roll for wound up, stuck paper.
- The NC Center Sensor (DC140 [010-200] (Inf), DC140 [010-201] (Temp), and DC140 [010-202] (Diff)) for malfunctions. (PL 7.6)
- The NC Rear Sensor (DC140 [010-203] (Inf), DC140 [010-204] (Temp), and DC140 [010-205] (Diff)) for malfunctions. (PL 7.6)
- The Heat Roll Thermistor (DC140 [010-206]) for a malfunction. (PL 7.6)

If no problem is found, replace the following parts in sequence:

- AC Power Supply N09A (PL 18.5)
- MCU PWB (PL 18.2)

061-310 Video ASIC Y/M Fail

BSD-ON:CH6.10, CH6.11

The Video ASIC for Y/M on the MCU PWB is malfunctioning.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. Check the connectors (P335/ J335, P391/ J391 and P425/ J425) between the ESS PWB, BP PWB, VSEL PWB, and MCU PWB for poor contacts.
3. If no problem is found, replace the following parts in sequence:
 - MCU PWB (PL 18.2)
 - ESS PWB (PL 35.2)

061-311 Video ASIC C/K Fail

BSD-ON:CH6.12, CH6.13

The Video ASIC for C/K on the MCU PWB is malfunctioning.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 061-310 FIP.

061-313 SOS Long Fail M

BSD-ON:CH6.14

The interval of the SOS signal for M color is longer than the specified value.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Enter the Diag Mode, turn ON DC330 [061-202] (No SOS Fail (M)), DC330 [061-204] (SOS Long Fail (M)), and then turn ON DC330 [061-005] (LASER#1: PS308). **Is Fail 061-323 (No SOS Fail M) or 061-313 (SOS Long Fail M) displayed?**

Y N
| Check the circuit of the Front Cover Interlock Switch for poor connection that may have caused chattering.

Turn OFF the power and check the Flat Cable between the MCU PWB JA432 and the LDD PWB M/K J1A M for open circuit, short circuit, and poor contact. **Is the connection normal?**

Y N
| Replace the Flat Cable. (PL 2.1)

In the high voltage system (Deve Bias, PCC, CC, BCR, 1st BTR, 2nd BTR) HVPS Supply Line, check for occurrence of leaks due to malfunctioning parts.

If no problem is found, replace the ROS Assembly (Y, M). (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.2)

061-315 SOS Long Fail K

BSD-ON:CH6.15

The interval of the SOS signal for K color is longer than the specified value.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Enter the Diag Mode, turn ON DC330 [061-203] (No SOS Fail (K)), DC330 [061-205] (SOS Long Fail (K)), and then turn ON DC330 [061-007] (LASER#2: PS308). **Is Fail 061-325 (No SOS Fail K) or 061-315 (SOS Long Fail K) displayed?**

Y N
| Check the circuit of the Front Cover Interlock Switch for poor connection that may have caused chattering.

Turn OFF the power and check the Flat Cable between the MCU PWB JA434 and the LDD PWB M/K J1A K for open circuit, short circuit, and poor contact. **Is the connection normal?**

Y N
| Replace the Flat Cable. (PL 2.1)

In the high voltage system (Deve Bias, PCC, CC, BCR, 1st BTR, 2nd BTR) HVPS Supply Line, check for occurrence of leaks due to malfunctioning parts.

If no problem is found, replace the ROS Assembly (C, K). (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.1)

061-317 SOS Short Fail M

BSD-ON:CH6.14

The interval of the SOS signal for M color is shorter than the specified value.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Enter the Diag Mode, turn ON DC330 [061-206] (SOS Short Fail (M)), and then turn ON DC330 [061-005] (LASER#1: PS308). **Is Fail 061-317 displayed?**

Y	N	
		Check the circuit of the Front Cover Interlock Switch for poor connection that may have caused chattering.

Turn OFF the power and check the Flat Cable between the MCU PWB JA432 and the LDD PWB M/K J1A M for open circuit, short circuit, and poor contact. **Is the connection normal?**

Y	N	
		Replace the Flat Cable. (PL 2.1)

In the high voltage system (Deve Bias, PCC, CC, BCR, 1st BTR, 2nd BTR) HVPS Supply Line, check for occurrence of leaks due to malfunctioning parts.

If no problem is found, replace the ROS Assembly (Y, M). (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.2)

061-319 SOS Short Fail K

BSD-ON:CH6.15

The interval of the SOS signal for K color is shorter than the specified value.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Enter the Diag Mode, turn ON DC330 [061-207] (SOS Short Fail (K)), and then turn ON DC330 [061-007] (LASER#2: PS308). **Is Fail 061-319 displayed?**

Y	N	
		Check the circuit of the Front Cover Interlock Switch for poor connection that may have caused chattering.

Turn OFF the power and check the Flat Cable between the MCU PWB JA434 and the LDD PWB M/K J1A K for open circuit, short circuit, and poor contact. **Is the connection normal?**

Y	N	
		Replace the Flat Cable. (PL 2.1)

In the high voltage system (Deve Bias, PCC, CC, BCR, 1st BTR, 2nd BTR) HVPS Supply Line, check for occurrence of leaks due to malfunctioning parts.

If no problem is found, replace the ROS Assembly (C, K). (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.1)

061-320 Polygon Motor Y/M Fail

BSD-ON:CH6.14

When any one of the following has occurred:

- The Polygon Motor Ready signal is OFF at the start of Print operation during the fast rotation of the Polygon Motor for Y and M.
- The number of rotation of the Polygon Motor did not come within the standard range within the specified time after the Polygon Motor On for Y and M.
- When the Polygon Motor Ready signal was monitored at specified time intervals after the Polygon Motor for Y and M transitions to normal state, Not Ready was detected 2 times in a row.
- When the SOS Long Fail M, the SOS Short Fail M, the No SOS Fail M, or the SOS Stop M Fail occurs, the ROS VDD is in the +5V supply state and the Polygon Motor Ready signal for Y and M is Not Ready.
- When the Video Line M Fail is detected, the Polygon Motor Ready signal for Y and M is Not Ready.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Enter the Diag Mode, turn ON DC330 [061-200] (Polygon Motor #1: Ready), and then turn ON DC330 [061-001] (Polygon Motor #1: PS308) in sequence. **Is Fail 061-348 (Polygon Motor 1 Ready Check Fail) displayed?**

Y	N	
		Check the circuit of the Front Cover Interlock Switch for poor connection that may have caused chattering.

Turn OFF the power and check the connection between the MCU PWB J415 and the ROS Motor Y/M J6 R1 for open circuit, short circuit, and poor contact.

If no problem is found, replace the following parts in sequence:

- ROS Assembly (Y, M) (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.2)

- MCU PWB (PL 18.2)

061-321 Polygon Motor C/K Fail

BSD-ON:CH6.15

When any one of the following has occurred:

- The Polygon Motor Ready signal is OFF at the start of Print operation during the fast rotation of the Polygon Motor for C and K.
- The number of rotation of the Polygon Motor did not come within the standard range within the specified time after the Polygon Motor On for C and K.

- When the Polygon Motor Ready signal was monitored at specified time intervals after the Polygon Motor for C and K transitions to normal state, Not Ready was detected 2 times in a row.
- When the SOS Long Fail M, the SOS Short Fail K, the No SOS Fail K, or the SOS Stop K Fail occurs, the ROS VDD is in the +5V supply state and the Polygon Motor Ready signal for C and K is Not Ready.
- When the Video Line K Fail is detected, the Polygon Motor Ready signal for C and K is Not Ready.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Enter the Diag Mode and then turn ON DC330 [061-201] (Polygon Motor #2:Ready), DC330 [061-003] (Polygon Motor #2: PS308) in sequence. **Is Fail 061-349 (Polygon Motor 2 Ready Check Fail) displayed?**

Y	N
Check the circuit of the Front Cover Interlock Switch for poor connection that may have caused chattering.	

Turn OFF the power and check the connection between the MCU PWB J415 and the ROS Motor C/K J6 R2 for open circuit, short circuit, and poor contact.

If no problem is found, replace the following parts in sequence:

- ROS Assembly (C, K) (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.1)

- MCU PWB (PL 18.2)

061-323 No SOS Fail M

BSD-ON:CH6.14

The SOS signal for M color cannot be detected at all after the completion of initial APC (Auto Power Control).

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 061-313 FIP.

061-325 No SOS Fail K

BSD-ON:CH6.15

The SOS signal for K color cannot be detected at all after the completion of initial APC (Auto Power Control).

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 061-315 FIP.

061-326 ROS Connect Fail Y

FIP

Refer to CF-010 FIP.

061-327 ROS Connect Fail M

FIP

Refer to CF-010 FIP.

061-328 ROS Connect Fail C

FIP

Refer to CF-010 FIP.

061-329 ROS Connect Fail K

FIP

Refer to CF-010 FIP.

061-334 ROS YM VDD Fail

BSD-ON:CH6.10, CH6.11

During the Polygon Motor Off for Y and M, the ROS (Y, M) VDD signal (LD power supply signal) is in conducting state.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. Check the circuit of the Front Cover Interlock Switch for poor connection that may have caused chattering.
3. If no problem is found, replace the MCU PWB. (PL 18.2)

061-335 ROS CK VDD Fail

BSD-ON:CH6.12, CH6.13

During the Polygon Motor Off for C and K, the ROS (C, K) VDD signal (LD power supply signal) is in conducting state.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 061-334 FIP.

061-336 ROS YM VDD Down Fail

BSD-ON:CH6.10, CH6.11

When the Laser is ON, the ROS (Y, M) VDD signal (LD power supply signal) is in non-conducting state.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 061-334 FIP.

061-337 ROS CK VDD Down Fail

BSD-ON:CH6.12, CH6.13

When the Laser is ON, the ROS (C, K) VDD signal (LD power supply signal) is in non-conducting state.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 061-334 FIP.

061-338 SOS Stop Fail M

BSD-ON:CH6.14

The SOS signal for M color cannot be detected in mid-course after the APC has started.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check for occurrence of leaks in the following high voltage system:

- Deve Bias

- PCC
- CC
- BCR
- 1st BTR
- 2nd BTR

061-339 SOS Stop Fail K

BSD-ON:CH6.15

The SOS signal for K color cannot be detected in mid-course after the APC has started.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 061-338 FIP.

061-340 ROS LD Fail K

FIP

Refer to CF-011 FIP.

061-341 ROS LD Fail Y

FIP

Refer to CF-011 FIP.

061-342 ROS LD Fail M

FIP

Refer to CF-011 FIP.

061-343 ROS LD Fail C

FIP

Refer to CF-011 FIP.

061-348 Polygon Motor Y/M Ready Check Fail

BSD-ON:CH6.14

The Polygon Motor Ready signal is already Ready even before the Polygon Motor for Y and M starts up.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 061-320 FIP.

061-349 Polygon Motor C/K Ready Check Fail

BSD-ON:CH6.15

The Polygon Motor Ready signal is already Ready even before the Polygon Motor for C and K starts up.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 061-321 FIP.

061-380 ROS Data Y Fail

FIP

Refer to CF-012 FIP.

061-381 ROS Data M Fail

FIP

Refer to CF-012 FIP.

061-382 ROS Data C Fail

FIP

Refer to CF-012 FIP.

061-383 ROS Data K Fail

FIP

Refer to CF-012 FIP.

061-604 LD Alarm Y

FIP

Refer to CF-013 FIP.

061-605 LD Alarm M

FIP

Refer to CF-013 FIP.

061-606 LD Alarm C

FIP

Refer to CF-013 FIP.

061-607 LD Alarm K

FIP

Refer to CF-013 FIP.

061-608 Video Line K Hidden Fail

BSD-ON:CH6.13

The system detected that the beam was not lighted due to a Video Line malfunction between the VIDEO ASIC of K color and the ROS LD DRIVER IC.

NOTE: When NVM [749-084] (Video Line Fail Bypass) is set to '0', this Fail (hidden failure) will be sent, and when it is set to '1', the type will be changed to Sub System Fail and Video Line K Fail (045-316) will be sent.

Cause/Action

Refer to 045-316 FIP.

061-609 Video Line M Hidden Fail

BSD-ON:CH6.11

The system detected that the beam was not lighted due to a Video Line malfunction between the VIDEO ASIC of M color and the ROS LD DRIVER IC.

NOTE: When NVM [749-084] (Video Line Fail Bypass) is set to '0', this Fail (hidden failure) will be sent, and when it is set to '1', the type will be changed to Sub System Fail and Video Line M Fail (045-315) will be sent.

Cause/Action

Refer to 045-315 FIP.

062-277 IPS-DADF Communication Fail

BSD-ON:CH3.3

Transmission cannot be established between the ESS PWB and the DADF PWB.

Cause/Action

1. Turn the power OFF and ON.
2. Check the following:
 - The Flat Cable between the IIT PWB J750 and the DADF PWB J751, J752 for open circuits, short circuits, and poor contacts.
 - The connection between the BP PWB J390 and the IIT PWB J7192 for open circuit, short circuit, and poor contact.
 - The connector (P309/ J309) between the ESS PWB and the BP PWB for poor contact.
3. If no problem is found, replace the following parts in sequence:
 - DADF PWB (PL 54.3)
 - ESS PWB (PL 35.2)
 - IIT PWB (Switch the EEPROM) (PL 1.4)
 - BP PWB (PL 18.2)

062-300 Platen Interlock Open

BSD-ON:CH6.1

Platen Interlock Switch Open was detected.

Cause/Action

1. Check the following:
 - The Platen Interlock Switch (DC330 [062-300] or DC330 [005-213]) for operation failure. (PL 1.4)
 - The DADF for improper closing.
 - The connection between the Platen Interlock Switch J727 and the ESS PWB P309 for open circuit and poor contact of the connectors.
2. If no problem is found, replace the ESS PWB. (PL 35.2)

062-311 IIT Software Logic Fail

BSD-ON:CH3.4

A software error was detected at the ESS PWB.

Cause/Action

1. Turn the power OFF and ON.
2. Update the software version to the latest one.
3. If the problem persists, replace the following parts in sequence:

- IIT PWB (Switch the EEPROM) (PL 1.4)
- ESS PWB (PL 35.2)

062-328 PWBA Configuration Fail

BSD-ON:CH3.4

The type (GAP PWB/GAPWM PWB/Artemis PWB) of the PWB to be installed to the ESS PWB is incorrect.

Cause/Action

1. Turn the power OFF and ON.
2. Check whether the Artemis PWB is installed.

062-329 MYKONOS Memory Capacity Fail

BSD-ON:CH3.4

The SO-DIMM DRAM that meets the memory capacity requirement of the Artemis PWB is not installed.

Cause/Action

1. Turn the power OFF and ON.
2. If the problem persists, replace the Artemis PWB Assembly. (PL 35.2)

062-330 GAPWM/ARTEMIS PWB Hard Fail

BSD-ON:CH3.4

The following errors were detected by the GAPWM or Artemis PWB failure detection function.

- A wiring failure or a contact failure of the signal to the Controller.
- An operation failure of the installed device.

Procedure

1. Turn ON the power and enter the Diag mode. Change the value of NVM [715-030] to '1' and then perform IIT Faulty Parts Diagnosis. After performing the IIT Faulty Parts Diagnosis, select [Change Settings].
2. A 3-digit or 4-digit number is displayed in the [Current Value] field.
3. Check the upper 1 or 2 digits, or the lower 2 digits using the following table and replace the appropriate parts.
Sample Display
 - 110 (3-digit display):
LED Lamp failure and LED Lamp Flexible Print Cable is damaged or has poor contact.
(The first digit '1' in '110' is the upper digit, which indicates the LED Lamp ('0' in '01' is not displayed). The lower 2 digits '10' indicates the LED Lamp Flexible Print Cable.)

- 1000 (4-digit display):
The LED Lamp Flexible Print Cable is damaged or has poor contact.
(The first 2 digits '10' in '1000' are the upper digits, which indicates the LED Lamp Flexible Print Cable. The lower 2 digits '00' indicates that nothing is applicable (no failure).)

Table 1

Current value	Parts Name	PL No.
00	Not applicable (No errors)	-
01	LED Lamp (LED)	PL 1.6
02	Lens and CCD	PL 1.4
03	CCD Flexible Print Cable	PL 1.4
04	This value is not displayed	-
05	This value is not displayed	-
06	This value is not displayed	-
07	This value is not displayed	-
08	This value is not displayed	-
09	This value is not displayed	-
10	LED Lamp Flexible Print Cable	PL 1.6
11	Artemis PWB	PL 35.2
12	IIT-ESS Video Cable	PL 18.2
13	This value is not displayed	-
14	IIT-ESS I/O Harness (PLT) (Wire Harness (DC SIG))	PL 18.6
15	IIT-ESS I/O Harness (DADF) (Wire Harness (DC SIG))	PL 18.6
16	IIT PWB	PL 1.4
17	IIT PWB Power Cable (IIT PWB Wire Harness, Wire Harness (DC PWR))	PL 1.4, PL 18.6
18	This value is not displayed	-
19	LGC (ESS) PWB	PL 35.2
20	Artemis Memory	PL 35.2
21	1P DUP PWB	PL 35.2

- After replacing the appropriate parts, change the value of NVM [715-030] to '1' and then perform IIT Faulty Parts Diagnosis. After performing the IIT Faulty Parts Diagnosis, select [Change Settings].
- Check that the display in the [Current Value] field becomes '0'.
- If the problem persists after performing the above procedure, check the connector (P322/ J322) between the ESS PWB and the Artemis PWB for poor connection, damage, broken/bent pins, burns, foreign substances, and etc.
- If no problem is found, replace the following parts in sequence:
 - Artemis PWB (PL 35.2)
 - ESS PWB (PL 35.2)

062-345 IIT EEPROM Fail (IIT)

BSD-ON:CH3.4

Write failure to EEPROM or communication failure with EEPROM has occurred.

Cause/Action

- Turn the power OFF and ON.
- If the problem persists, replace the IIT PWB (Write the values from the IIT Shipment Inspection NVM List). (PL 1.4)

062-357 CCD Fan Fail

BSD-ON:CH6.6

CCD Fan Error signal was detected.

Cause/Action

Check the following:

- The CCD Fan (DC330 [062-017]) for operation failure. (PL 1.4)
- The CCD Fan for foreign substances.

If no problem is found, replace the following parts in sequence:

- ESS PWB (PL 35.2)
- IIT PWB (Switch the EEPROM) (PL 1.4)

062-360 Carriage Position Fail

BSD-ON:CH6.9

The Carriage position error was detected.

NOTE: When checking at the vicinity of the CCD and the IIT PWB with the power remaining ON and the CCD Lens Cover removed, do not allow the Carriage to move all the way to the right. Moving the Carriage to the rightmost makes the LED Lamp PWB and the Earth Plate get in contact and damages the LED Lamp PWB due to a short circuit.

Cause/Action

Check the following:

- The Pre Regi Sensor (DC330 [062-212]) for operation failure. (PL 1.4)
- The Carriage Motor (DC330 [062-005/006] (Scan Direction/Return Direction)) for operation failure. (PL 1.5)
- The Full Rate/Half Rate Carriages for improper positioning. (ADJ 1.1.1)
- The Carriage Cable for winding failure, contamination on the rail, and foreign substances on the rail.
- The Carriage operation for mechanical loading.

If no problem is found, replace the following parts in sequence:

- IIT PWB (Switch the EEPROM) (PL 1.4)
- ESS PWB (PL 35.2)
- BP PWB (PL 18.2)

062-362 X Hard Fail

BSD-ON:CH6.8

Hard modification of authentication device was detected (at usual detection/power ON).

Cause/Action

1. Turn the power OFF and ON.
2. If the problem persists, replace the ESS PWB. (PL 35.2)

062-371 Lamp Illumination Fail

BSD-ON:CH6.8, CH6.2

Insufficient light from Lamp detected in CCD. (During white gradation correction/AGC before Scan starts)

Initial Actions

Check whether there is something blocking the light and check the Lamp, Lens, Mirror, and White Color Correction Plate for deterioration or contamination.

Cause/Action

1. Turn ON the power and enter the Diag mode. Change the value of NVM [715-030] to '1' and then perform IIT Faulty Parts Diagnosis. After performing the IIT Faulty Parts Diagnosis, select [Change Settings].
2. A 3-digit or 4-digit number is displayed in the [Current Value] field.
3. Check the upper 1 or 2 digits, or the lower 2 digits and replace the appropriate parts. (For sample display and parts selection, refer to Step 3 in 062-330 FIP)
4. After replacing the appropriate parts, change the value of NVM [715-030] to '1' and then perform IIT Faulty Parts Diagnosis. After performing the IIT Faulty Parts Diagnosis, select [Change Settings].
5. Check that the display in the [Current Value] field becomes '0'.
6. If the problem persists after performing the above procedure, check the following:
 - Check for burnt out LED Lamp (DC330 [062-002]). (PL 1.6)
 - The Flat Cable between the PS LED PWB J702 and the IIT PWB J723 for open circuits, short circuits, and poor contacts (especially, check whether the Flat Cable was inserted in a skewed manner).
 - The Flat Cable between the CCD J700 and the IIT PWB J710 for open circuits, short circuits, and poor contacts (especially, check whether the Flat Cable was inserted in a skewed manner).

- The Flat Cable between the IIT PWB J7191 and the BP PWB P336 for open circuit, short circuit, and poor contact.
 - The connector (P309/ J309) between the ESS PWB and the BP PWB for poor contact, damage, and foreign substances.
7. If no problem is found, replace the ESS PWB. (PL 35.2)

062-380 AGC Fail

BSD-ON:CH6.8

Insufficient lamp brightness was detected when performing AGC.

Initial Actions

Check whether there is something blocking the light and check the Lamp, Lens, Mirror, and White Color Correction Plate for deterioration or contamination.

Cause/Action

Refer to 062-371 FIP.

062-386 AOC Fail

BSD-ON:CH6.8

A CCD output error was detected when performing AOC.

Cause/Action

1. Turn ON the power and enter the Diag mode. Change the value of NVM [715-030] to '1' and then perform IIT Faulty Parts Diagnosis. After performing the IIT Faulty Parts Diagnosis, select [Change Settings].
2. A 3-digit or 4-digit number is displayed in the [Current Value] field.
3. Check the upper 1 or 2 digits, or the lower 2 digits and replace the appropriate parts. (For sample display and parts selection, refer to Step 3 in 062-330 FIP)
4. After replacing the appropriate parts, change the value of NVM [715-030] to '1' and then perform IIT Faulty Parts Diagnosis. After performing the IIT Faulty Parts Diagnosis, select [Change Settings].
5. Check that the display in the [Current Value] field becomes '0'.
6. If the problem persists after performing the above procedure, check the following:
 - The Flat Cable between the CCD J700 and the IIT PWB J710 for open circuits, short circuits, and poor contacts (especially, check whether the Flat Cable was inserted in a skewed manner).
 - The Flat Cable between the IIT PWB J7191 and the BP PWB P336 for open circuit, short circuit, and poor contact.
 - The connector (P309/ J309) between the ESS PWB and the BP PWB for poor contact, damage, and foreign substances.
7. If no problem is found, replace the following parts in sequence:
 - IIT PWB (Switch the EEPROM) (PL 1.4)

- ESS PWB (PL 35.2)

- IIT PWB (Switch the EEPROM) (PL 1.4)
- ESS PWB (PL 35.2)
- BP PWB (PL 18.2)

062-393 CCD PWB Sync Signal Fail

BSD-ON:CH6.7

Any of the following has occurred.

- Write failure to the Shading Memory
- Write failure to the Artemis Memory
- Averaging processing error of the ASIC

Cause/Action

Refer to 062-386 FIP.

062-395 Trans PWB Power Cable Connection Fail

BSD-ON:CH3.4, CH1.9

The IIT PWB power source error was detected.

Cause/Action

1. Check the voltage (+24VDC) at the IIT LVPS CC3 J505 pin-1 and pin-2. If it is not +24VDC, go to 2.2.2.4 +24VDC Power FIP (IIT).
2. Check the connection between the IIT LVPS CC3 J505 and the IIT PWB J720 for open circuit, short circuit, and poor contact.
3. If no problem is found, replace the IIT PWB (Switch the EEPROM). (PL 1.4)

062-396 CCD Cable Connection Fail

BSD-ON:CH6.7

A CCD Flat Cable connection error was detected.

Cause/Action

1. Turn the power OFF and ON.
2. Check the following:
 - The Flat Cable between the CCD J700 and the IIT PWB J710 for open circuit, short circuit, and poor contact (especially, check whether the Flat Cable was inserted in a skewed manner).
 - The Flat Cable between the IIT PWB J7191 and the BP PWB P336 for open circuit, short circuit, and poor contact.
 - The connector (P309/ J309) between the ESS PWB and the BP PWB for poor contact, damage, and foreign substances.
3. If no problem is found, replace the following parts in sequence:

062-397 IIT-Cont Video Cable Connection Fail

BSD-ON:CH6.7

An IIT-ESS Video Cable connection error was detected.

Cause/Action

1. Turn the power OFF and ON.
2. Check the following:
 - The Flat Cable between the IIT PWB J7191 and the BP PWB P336 for open circuit, short circuit, and poor contact.
 - The connector (P309/ J309) between the ESS PWB and the BP PWB for poor contact, damage, and foreign substances.
3. If no problem is found, replace the following parts in sequence:
 - ESS PWB (PL 35.2)
 - IIT PWB (Switch the EEPROM) (PL 1.4)
 - BP PWB (PL 18.2)

062-398 IIT-Cont I/O Cable Connection Fail

BSD-ON:CH6.7

An IIT-ESS I/O Cable (PLT) connection error was detected.

Cause/Action

1. Turn the power OFF and ON.
2. Turn OFF the power and check the following:
 - The connection between the IIT PWB J7193 and the BP PWB J392 for open circuit, short circuit, and poor contact.
 - The connector (P309/ J309) between the ESS PWB and the BP PWB for poor contact, damage, and foreign substances.
3. If no problem is found, replace the following parts in sequence:
 - ESS PWB (PL 35.2)
 - IIT PWB (Switch the EEPROM) (PL 1.4)
 - BP PWB (PL 18.2)

062-399 DADF-Cont I/O Cable Connection Fail

BSD-ON:CH6.7

An IIT-ESS I/O Cable (DADF) connection error was detected.

Cause/Action

1. Turn the power OFF and ON.
2. Turn OFF the power and check the following:
 - The connection between the IIT PWB J7192 and the BP PWB J390 for open circuit, short circuit, and poor contact.
 - The connector (P309/ J309) between the ESS PWB and the BP PWB for poor contact, damage, and foreign substances.
3. If no problem is found, replace the following parts in sequence:
 - ESS PWB (PL 35.2)
 - IIT PWB (Switch the EEPROM) (PL 1.4)
 - BP PWB (PL 18.2)

062-790 PreIPS X Recognition Fail

BSD-ON:CH6.8

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Procedure

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063-210 Extension EEPROM Fail

BSD-ON:CH5.9

Write failure to Extension EEPROM or communication failure with EEPROM was detected.

Cause/Action

1. Turn the power OFF and ON.
2. Check the following:
 - Check the Flat Cable between the DCDC PWB J745 and the 1P DUP PWB J740 for open circuit, short circuit, and poor contact.
 - Check the connectors (P322/ J322 and P733/ J733) between the ESS PWB, Artemis PWB, and 1P DUP PWB for poor contacts.
3. If no problem is found, replace the following parts in sequence:
 - DCDC PWB (PL 54.2)
 - Artemis PWB (PL 35.2)
 - 1P DUP PWB (PL 35.2)
 - ESS PWB (PL 35.2)

065-210 Artemis Memory Fail

BSD-ON:CH3.4

A SO-DIMM DRAM failure was detected by the Artemis PWB failure detection function.

Cause/Action

1. Turn the power OFF and ON.
2. If the problem persists, replace the Artemis PWB Assembly. (PL 35.2)

065-221 CIS AGC Fail

BSD-ON:CH5.9

The CIS AGC process has not completed/resolved.

Cause/Action

1. Check and record the value of NVM [716-019] (Fail status 3).
2. Check the following:
 - The Flat Cable between the CIS J7461 and the DCDC PWB J746 for open circuits, short circuits, and poor contacts.
 - The connection between the DCDC PWB J745 and the 1P DUP PWB J740 for open circuit, short circuit, and poor contact.
3. If the problem persists, replace the CIS. (PL 54.2)

NOTE: After replacing the CIS, set the NVM [742-466] (Number of Times to Perform Brightness Correction) to '0' and perform DC750 (IOT CIS Setup Cycle). (ADJ 18.3.2)

065-222 CIS AOC Fail

BSD-ON:CH5.9

The CIS AOC process has not completed/resolved.

Cause/Action

1. Check and record the value of NVM [716-020] (Fail status 4).
2. Check the following:
 - The Flat Cable between the CIS J7461 and the DCDC PWB J746 for open circuits, short circuits, and poor contacts.
 - The connection between the DCDC PWB J745 and the 1P DUP PWB J740 for open circuit, short circuit, and poor contact.
3. Change the value of NVM [716-173] (Color AOC Resolution Allowable Lower Limit Threshold Value) and NVM [716-177] (Black AOC Resolution Allowable Lower Limit Threshold Value) to '5'.
4. Turn the power OFF and ON.
5. If the problem persists, replace the CIS. (PL 54.2)

NOTE: After replacing the CIS, set the NVM [742-466] (Number of Times to Perform Brightness Correction) to '0' and perform DC750 (IOT CIS Setup Cycle). (ADJ 18.3.2)

065-223 CIS Connection Fail

BSD-ON:CH5.9

The CIS Cable may have poor contact.

Cause/Action

1. Check and record the values of NVM [716-017] (Fail status 2A) and NVM [716-018] (Fail status 2B).
2. Check the following:
 - The Flat Cable between the CIS J7461 and the DCDC PWB J746 for open circuits, short circuits, and poor contacts.
 - The connection between the DCDC PWB J745 and the 1P DUP PWB J740 for open circuit, short circuit, and poor contact.
3. If the problem persists, replace the following parts in sequence:
 - DCDC-1P DUP Cable (PL 54.2)
 - DCDC-CIS Flat Cable (PL 54.2)

065-224 CIS Device Fail

BSD-ON:CH5.9

The FPGA on the 1P DUP PWB is not operating properly.

Cause/Action

1. Check and record the value of NVM [716-021] (Fail status 5). If the value of the NVM is '4', replace the 1P DUP PWB. (PL 35.2)
2. Turn the power OFF and ON.
3. If the problem persists, replace the CIS. (PL 54.2)

NOTE: After replacing the CIS, set the NVM [742-466] (Number of Times to Perform Brightness Correction) to '0' and perform DC750 (IOT CIS Setup Cycle). (ADJ 18.3.2)

065-225 CIS Fail

BSD-ON:CH5.9

The CIS may be damaged.

Cause/Action

1. Check and record the values of NVM [716-011/012/013/014] (Fail status 1A/1B/1C/1D).
2. Check the following:

-
- The Flat Cable between the CIS J7461 and the DCDC PWB J746 for open circuits, short circuits, and poor contacts.
 - The connection between the DCDC PWB J745 and the 1P DUP PWB J740 for open circuit, short circuit, and poor contact.
3. If the problem persists, replace the CIS. (PL 54.2)

NOTE: After replacing the CIS, set the NVM [742-466] (Number of Times to Perform Brightness Correction) to '0' and perform DC750 (IOT CIS Setup Cycle). (ADJ 18.3.2)

071-100 Tray 1 Miss Pre Feed Jam

BSD-ON:CH8.1, CH7.5

The Tray 1 Pre Feed Sensor did not turn ON within the specified time after the Paper Feed from Tray 1 has started.

Cause/Action

Check the following:

- The Tray 1 Pre Feed Sensor (DC330 [071-100]) for operation failure. (PL 11.8)
- The Tray 1 Feed Lift Motor (DC330 [071-001] (Feed)) for operation failure. (PL 11.7)
- The Tray 1 Nudger Solenoid (DC330 [071-003/004] (Down/Hold)) for operation failure. (PL 11.7)
- The Tray 1 Feed Roll, Retard Roll, and Nudger Roll for transportation failure due to contamination, wear, and deterioration.
- The Drawer Connector (DP661/ J661) for poor contact.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

071-101 Tray 1 Miss Feed Jam

BSD-ON:CH8.3, CH7.5, CH8.2

The Feed Out Sensor 1 does not turn ON within the specified time after the Paper Feed from Tray 1 has started.

Cause/Action

Check the following:

- The Feed Out Sensor 1 (DC330 [071-101]) for operation failure. (PL 11.11)
- The Tray 1 Feed Lift Motor (DC330 [071-001] (Feed)) for operation failure. (PL 11.7)
- The Tray 1 Nudger Solenoid (DC330 [071-003/004] (Down/Hold)) for operation failure. (PL 11.7)
- The Takeaway Motor (DC330 [077-001]) for operation failure. (PL 11.12)
- The Takeaway Clutch 1 (DC330 [077-002]) for operation failure. (PL 11.12)
- The Tray 1 Takeaway Roll, Retard Roll, and Feed Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

071-104 Pre Regi Sensor On Jam (Tray 1)

BSD-ON:CH8.5, CH8.2

The Pre Regi Sensor does not turn ON within the specified time during paper feed from Tray 1.

Cause/Action

Check the following:

- The Pre Regi Sensor (DC330 [077-100]) for operation failure. (PL 15.6)
- The Transport Motor (DC330 [077-008]) for operation failure. (PL 15.5)
- The Takeaway Motor (DC330 [077-001]) for operation failure. (PL 11.12)
- The Takeaway Clutch 1 (DC330 [077-002]) for operation failure. (PL 11.12)
- The Transport Roll, Trans Roll 1, and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)
- IOT PWB (PL 18.2)

071-105 Regi In Sensor On Jam (Tray 1)

BSD-ON:CH8.7, CH8.6

The Regi In Sensor does not turn ON within the specified time during paper feed from Tray 1.

Cause/Action

Check the following:

- The Regi In Sensor (DC330 [077-102]) for operation failure. (PL 15.2)
- The Pre Regi Motor (DC330 [077-017]) for operation failure. (PL 15.3)
- The Pre Regi N/R Motor (DC330 [077-028/029] (Release/Nip)) for operation failure. (PL 15.3)
- The Pre Regi Roll and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.

- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)
- IOT PWB (PL 18.2)

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

071-210 Tray 1 Lift Up Fail

BSD-ON:CH7.5

The Tray 1 Level Sensor does not turn ON within the specified time during the Tray 1 Lift Up.

Cause/Action

Check the following:

- The Tray 1 Level Sensor (DC330 [071-200]) for operation failure. (PL 11.8)
- The Tray 1 Feed Lift Motor (DC330 [071-001/002] (Feed/Lift Up)) for operation failure. (PL 11.7)
- The Tray 1 Nudger Solenoid (DC330 [071-003/004] (Down/Hold)) for operation failure. (PL 11.7)
- The drive system between the Bottom Plate and the Tray 1 Feed Lift Motor for operation failure.
- The Drawer Connector (DP661/ J661) for poor contact.
- The Tray for Paper misload
- The Tray for existence of objects other than Paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

071-211 Tray 1 Size Sensor Broken

BSD-ON:CH7.1

Abnormal output AD value from Tray 1 Paper Size Sensor was detected.

Cause/Action

Check the following:

- Broken link and damage at the bottom of the tray
- The Actuator at the rear of the Tray for operation failure
- The Tray 1 Paper Size Sensor (DC140 [071-200], DC330 [071-202]) for operation failure. (PL 11.1)
- The connections between the PH Drive PWB, Tray 1 Paper Size Sensor, and MCU PWB for open circuits, short circuits, and poor contacts.

072-100 Tray 2 Miss Pre Feed Jam

BSD-ON:CH8.1, CH7.6

The Tray 2 Pre Feed Sensor did not turn ON within the specified time after the Paper Feed from Tray 2 has started.

Cause/Action

Check the following:

- The Tray 2 Pre Feed Sensor (DC330 [072-100]) for operation failure. (PL 11.8)
- The Tray 2 Feed Lift Motor (DC330 [072-001] (Feed)) for operation failure. (PL 11.7)
- The Tray 2 Nudger Solenoid (DC330 [072-003/004] (Down/Hold)) for operation failure. (PL 11.7)
- The Tray 2 Feed Roll, Retard Roll, and Nudger Roll for transportation failure due to contamination, wear, and deterioration.
- The Drawer Connector (DP662/ J662) for poor contact.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

072-101 Tray 2 Miss Feed Jam

BSD-ON:CH8.3, CH7.6, CH8.2

The Feed Out Sensor 2 does not turn ON within the specified time after the Paper Feed from Tray 2 has started.

Cause/Action

Check the following:

- The Feed Out Sensor 2 (DC330 [072-101]) for operation failure. (PL 11.11)
- The Tray 2 Feed Lift Motor (DC330 [072-001] (Feed)) for operation failure. (PL 11.7)
- The Tray 2 Nudger Solenoid (DC330 [072-003/004] (Down/Hold)) for operation failure. (PL 11.7)
- The Takeaway Motor (DC330 [077-001]) for operation failure. (PL 11.12)
- The Takeaway Clutch 2 (DC330 [077-003]) for operation failure. (PL 11.12)
- The Tray 2 Takeaway Roll, Retard Roll, and Feed Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

072-102 Feed Out Sensor 1 On Jam (Tray 2)

BSD-ON:CH8.3, CH8.2

The Feed Out Sensor 1 did not turn ON within the specified time during paper feed from Tray 2.

Cause/Action

Check the following:

- The Feed Out Sensor 1 (DC330 [071-101]) for operation failure. (PL 11.11)
- The Takeaway Motor (DC330 [077-001]) for operation failure. (PL 11.12)
- The Takeaway Clutch 2 (DC330 [077-003]) for operation failure. (PL 11.12)
- The Trans Roll 2 and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

072-104 Pre Regi Sensor On Jam (Tray 2)

BSD-ON:CH8.5

The Pre Regi Sensor does not turn ON within the specified time during paper feed from Tray 2.

Cause/Action

Refer to 071-104 FIP.

072-105 Regi In Sensor On Jam (Tray 2)

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during paper feed from Tray 2.

Cause/Action

Refer to 071-105 FIP.

072-210 Tray 2 Lift Up Fail

BSD-ON:CH7.6

The Tray 2 Level Sensor does not turn ON within the specified time during the Tray 2 Lift Up.

Cause/Action

Check the following:

- The Tray 2 Level Sensor (DC330 [072-200]) for operation failure. (PL 11.8)
- The Tray 2 Feed Lift Motor (DC330 [072-001/002] (Feed/Lift Up)) for operation failure. (PL 11.7)
- The Tray 2 Nudger Solenoid (DC330 [071-003/004] (Down/Hold)) for operation failure. (PL 11.7)
- The drive system between the Bottom Plate and the Tray 2 Feed Lift Motor for operation failure.
- The Drawer Connector (DP662/ J662) for poor contact.
- The Tray for Paper misload
- The Tray for existence of objects other than Paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

072-211 Tray 2 Size Sensor Broken

BSD-ON:CH7.2

Abnormal output AD value from Tray 2 Paper Size Sensor was detected.

Cause/Action

Check the following:

- Broken link and damage at the bottom of the tray
- The Actuator at the rear of the Tray for operation failure
- The Tray 2 Paper Size Sensor (DC140 [072-200], DC330 [072-202]) for operation failure. (PL 11.1)
- The connections between the PH Drive PWB, Tray 2 Paper Size Sensor, and MCU PWB for open circuits, short circuits, and poor contacts.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

073-100 Tray 3 Miss Pre Feed Jam

BSD-ON:CH8.1, CH7.7

The Tray 3 Pre Feed Sensor did not turn ON within the specified time after the Paper Feed from Tray 3 has started.

Cause/Action

Check the following:

- The Tray 3 Pre Feed Sensor (DC330 [073-100]) for operation failure. (PL 11.8)
- The Tray 3 Feed Lift Motor (DC330 [073-001] (Feed)) for operation failure. (PL 11.7)
- The Tray 3 Nudger Solenoid (DC330 [073-003/004] (Down/Hold)) for operation failure. (PL 11.7)
- The Tray 3 Feed Roll, Retard Roll, and Nudger Roll for transportation failure due to contamination, wear, and deterioration.
- The Drawer Connector (DP663/ J663) for poor contact.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

073-101 Tray 3 Miss Feed Jam

BSD-ON:CH8.3, CH7.7, CH8.2

The Feed Out Sensor 3 does not turn ON within the specified time after the Paper Feed from Tray 3 has started.

Cause/Action

Check the following:

- The Feed Out Sensor 3 (DC330 [073-101]) for operation failure. (PL 11.11)
- The Tray 3 Feed Lift Motor (DC330 [073-001] (Feed)) for operation failure. (PL 11.7)
- The Tray 3 Nudger Solenoid (DC330 [073-003/004] (Down/Hold)) for operation failure. (PL 11.7)
- The Takeaway Motor (DC330 [077-001]) for operation failure. (PL 11.12)
- The Takeaway Clutch 3 (DC330 [077-004]) for operation failure. (PL 11.12)
- The Tray 3 Takeaway Roll, Retard Roll, and Feed Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

073-102 Feed Out Sensor 1 On Jam (Tray 3)

BSD-ON:CH8.3, CH8.2

The Feed Out Sensor 1 did not turn ON within the specified time during paper feed from Tray 3.

Cause/Action

Check the following:

- The Feed Out Sensor 1 (DC330 [071-101]) for operation failure. (PL 11.11)
- The Takeaway Motor (DC330 [077-001]) for operation failure. (PL 11.12)
- The Takeaway Clutch 2 (DC330 [077-003]) for operation failure. (PL 11.12)
- The Takeaway Clutch 3 (DC330 [077-004]) for operation failure. (PL 11.12)
- The Trans Roll 2, 3 and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

073-104 Pre Regi Sensor On Jam (Tray 3)

BSD-ON:CH8.5

The Pre Regi Sensor does not turn ON within the specified time during paper feed from Tray 3.

Cause/Action

Refer to 071-104 FIP.

073-105 Regi In Sensor On Jam (Tray 3)

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during paper feed from Tray 3.

Cause/Action

Refer to 071-105 FIP.

073-210 Tray 3 Lift Up Fail**BSD-ON:CH7.7**

The Tray 3 Level Sensor does not turn ON within the specified time during the Tray 3 Lift Up.

Cause/Action

Check the following:

- The Tray 3 Level Sensor (DC330 [073-200]) for operation failure. (PL 11.8)
- The Tray 3 Feed Lift Motor (DC330 [073-001/002] (Feed/Lift Up)) for operation failure. (PL 11.7)
- The Tray 3 Nudger Solenoid (DC330 [073-003/004] (Down/Hold)) for operation failure. (PL 11.7)
- The drive system between the Bottom Plate and the Tray 3 Feed Lift Motor for operation failure.
- The Drawer Connector (DP663/ J663) for poor contact.
- The Tray for Paper misload
- The Tray for existence of objects other than Paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

073-211 Tray 3 Size Sensor Broken**BSD-ON:CH7.3**

Abnormal output AD value from Tray 3 Paper Size Sensor was detected.

Cause/Action

Check the following:

- Broken link and damage at the bottom of the tray
- The Actuator at the rear of the Tray for operation failure
- The Tray 3 Paper Size Sensor (DC140 [073-200], DC330 [073-202]) for operation failure. (PL 11.1)
- The connections between the PH Drive PWB, Tray 3 Paper Size Sensor, and MCU PWB for open circuits, short circuits, and poor contacts.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

075-100 MSI Miss Feed Jam

BSD-ON:CH8.4, CH7.8

The MSI Pre Feed Sensor does not turn ON within the specified time after the Paper Feed from MSI has started.

Cause/Action

Check the following:

- The MSI Pre Feed Sensor (DC330 [075-100]) for operation failure. (PL 13.7)
- The MSI Feed Motor (DC330 [075-001]) for operation failure. (PL 13.6)
- The MSI Nudger Solenoid (DC330 [075-003]) for operation failure. (PL 13.6)
- The MSI Lift Motor (DC330 [075-005/006] (Up/Down)) for operation failure. (PL 13.4)
- The MSI Feed Roll, Retard Roll, and Nudger Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- The Lattice Connector (DP679/ J679) for poor contact.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

075-109 MSI Pre Regi Sensor On Jam (MSI)

BSD-ON:CH8.5

The MSI Pre Regi Sensor does not turn ON within the specified time during paper feed from the MSI.

Cause/Action

Check the following:

- The MSI Pre Regi Sensor (DC330 [077-101]) for operation failure. (PL 15.6)
- The Transport Motor (DC330 [077-008]) for operation failure. (PL 15.5)
- The MSI Takeaway Roll and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- MCU PWB (PL 18.2)

- PH Drive PWB (PL 18.4)

075-135 Regi In Sensor On Jam (MSI)

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during paper feed from the MSI.

Cause/Action

Refer to 071-105 FIP.

075-210 MSI Lift Up Fail

BSD-ON:CH7.8

The MSI Lift Up Sensor does not turn ON within the specified time during the MSI Lift Up.

Cause/Action

Check the following:

- The MSI Lift Up Sensor (DC330 [075-200]) for operation failure. (PL 13.7)
- The MSI Lift Motor (DC330 [075-005/006] (Up/Down)) for operation failure. (PL 13.4)
- The MSI Nudger Solenoid (DC330 [075-003]) for operation failure. (PL 13.6)
- The Lattice Connector (DP679/ J679) for poor contact.
- The MSI Lifter Gear for damage and the MSI Lift Up mechanism for mechanical loading.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

075-211 MSI Lift Down Fail

BSD-ON:CH7.8

The MSI Down Sensor does not turn ON within the specified time during the MSI Lift Down.

Cause/Action

Check the following:

- The MSI Down Sensor (DC330 [075-201]) for operation failure. (PL 13.5)
- The MSI Lift Motor (DC330 [075-005/006] (Up/Down)) for operation failure. (PL 13.4)
- The Lattice Connector (DP679/ J679) for poor contact.
- The MSI Lifter Gear for damage and the MSI Lift Down mechanism for mechanical loading.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

077-103 Fusing Unit Exit Sensor Off Jam (Straight)

BSD-ON:CH10.6, CH10.16

The Fusing Unit Exit Sensor does not turn OFF within the specified time during the paper transportation for Face Up output.

Cause/Action

Check the following:

- The Fusing Unit Exit Sensor (DC330 [010-201]) for operation failure. (PL 7.7)
- The IOT Exit Motor (DC330 [077-034]) for operation failure. (PL 17.2)
- The Fusing Unit Exit Roll for revolution failure.
- The Decurler Unit for a decrease in transportation force.
- The Exit Roll and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- MCU PWB (PL 18.2)

077-106 Fusing Unit Exit Sensor On Jam

BSD-ON:CH10.6, CH10.1

The Fusing Unit Exit Sensor does not turn ON within the specified time after the Regi Feed has started.

Cause/Action

Check the following:

- The Fusing Unit Exit Sensor (DC330 [010-201]) for operation failure. (PL 7.7)
- The Fusing Unit Drive Motor (DC330 [010-001]) for operation failure. (PL 3.3)
- The IBT Belt for wound up, stuck paper.
- The 2nd BTR Unit for a decrease in transportation force.
- The Fusing Unit Exit Chute for improper installation and deformation. (PL 7.5)
- The H/R Finger and P/R Finger for wear or damage.
- The Drawer Connector (DP612/ DJ612) for poor contact.
- The Drive Gear for wear and damage.
- Usage of out of spec paper.

If no problem is found, replace the MCU PWB. (PL 18.2)

077-107 Fusing Unit Exit Sensor Off Jam (Invert)

BSD-ON:CH10.6, CH10.11, CH10.12, CH10.14

The Fusing Unit Exit Sensor does not turn OFF within the specified time during the paper transportation for Face Down output.

Cause/Action

Check the following:

- The Fusing Unit Exit Sensor (DC330 [010-201]) for operation failure. (PL 7.7)
- The Invert In Gate Motor (DC330 [077-059/060] (Exit/Invert)) for operation failure. (PL 16.3)
- The Invert In Motor (DC330 [077-038]) for operation failure. (PL 14.9)
- The Invert Motor (DC330 [077-043] (Intake)) for operation failure. (PL 16.4)
- The Fusing Unit Exit Roll for revolution failure.
- The Decurler Unit for a decrease in transportation force.
- The Invert In Roll, Invert Roll, and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- A paper transportation failure due to foreign substances on the paper path.
- The Drive Gear for wear and damage.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- MD BS PWB (PL 18.4)
- IOT PWB (PL 18.2)
- MCU PWB (PL 18.2)
- PH Drive PWB (PL 18.4)

077-109 IOT Exit Sensor On Jam (Straight)

BSD-ON:CH10.16, CH10.11

The IOT Exit Sensor does not turn ON within the specified time during the paper transportation for Face Up output.

Cause/Action

Check the following:

- The IOT Exit Sensor (DC330 [077-116]) for operation failure. (PL 17.1)
- The Invert In Gate Motor (DC330 [077-059/060] (Exit/Invert)) for operation failure. (PL 16.3)
- The Invert Gate Home Sensor (DC330 [077-117]) for operation failure. (PL 16.3)
- The Fusing Unit Exit Roll for revolution failure.
- The Decurler Unit for a decrease in transportation force.
- The Drawer Connector (DP611/ DJ611) for poor contact.
- A paper transportation failure due to foreign substances on the paper path.

- The Drive Gear for wear and damage.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- MCU PWB (PL 18.2)
- MD BS PWB (PL 18.4)

077-111 IOT Exit Sensor On Jam (Invert)

BSD-ON:CH10.16, CH10.14, CH10.13

The IOT Exit Sensor does not turn ON within the specified time during the paper transportation for Face Down output.

Cause/Action

Check the following:

- The IOT Exit Sensor (DC330 [077-116]) for operation failure. (PL 17.1)
- The IOT Exit Motor (DC330 [077-034]) for operation failure. (PL 17.2)
- The Invert Motor (DC330 [077-048] (Output)) for operation failure. (PL 16.4)
- The Invert N/R Motor (DC330 [077-050/051] (Release/Nip)) for operation failure. (PL 16.4)
- The Invert N/R Sensor (DC330 [077-112]) for operation failure. (PL 16.4)
- The Invert Roll, Invert Out Roll, and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- A paper transportation failure due to foreign substances on the paper path.
- The Drive Gear for wear and damage.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- MCU PWB (PL 18.2)
- PH Drive PWB (PL 18.4)

077-112 Regi Out Sensor On Jam

BSD-ON:CH8.10, CH8.7, CH8.8

The Regi Out Sensor does not turn ON within the specified time after the Regi Motor On.

Cause/Action

Check the following:

- The Regi Out Sensor (DC330 [077-103]) for operation failure. (PL 15.4)
- The Regi Motor (DC330 [077-020]) for operation failure. (PL 15.3)

- The Regi N/R Motor (DC330 [077-031/032] (Release/Nip)) for operation failure. (PL 15.4)
- The Regi Roll and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)
- IOT PWB (PL 18.2)

077-113 IOT Exit Sensor Off Jam (Straight)

BSD-ON:CH10.16

The IOT Exit Sensor does not turn OFF within the specified time during the paper transportation for Face Up output.

Cause/Action

Check the following:

- The IOT Exit Sensor (DC330 [077-116]) for operation failure. (PL 17.1)
- The IOT Exit Motor (DC330 [077-034]) for operation failure. (PL 17.2)
- The Exit Roll and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- Docking failure with the post-processing device.
- A paper transportation failure due to foreign substances on the paper path.
- The Drive Gear for wear and damage.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- MCU PWB (PL 18.2)

077-115 IOT Exit Sensor Off Jam (Invert)

BSD-ON:CH10.16

The IOT Exit Sensor does not turn OFF within the specified time during the paper transportation for Face Down output.

Cause/Action

Refer to 077-113 FIP.

077-118 Pre Regi Sensor On Jam (Duplex)

BSD-ON:CH8.5, CH10.18

The Pre Regi Sensor does not turn ON within the specified time during the Duplex Path paper transportation for 2 Sided Printing.

Cause/Action

Check the following:

- The Pre Regi Sensor (DC330 [077-100]) for operation failure. (PL 15.6)
- The Transport Motor (DC330 [077-008]) for operation failure. (PL 15.5)
- The Duplex Motor (DC330 [077-052]) for operation failure. (PL 14.3)
- The Transport Roll, Duplex Out Roll, and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drawer Connector (DP608/ DJ608) for poor contact.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)
- IOT PWB (PL 18.2)

077-120 Post 2nd BTR Sensor On Jam

BSD-ON:CH9.25, CH8.7

The Post 2nd BTR Sensor does not turn ON within the specified time after the start of Regi Feed.

Cause/Action

Check the following:

- The Post 2nd BTR Sensor (DC330 [094-202]) for operation failure. (PL 6.8)
- The Regi Motor (DC330 [077-020]) for operation failure. (PL 15.3)
- The IBT Belt for wound up, stuck paper.
- The 2nd BTR Unit for a decrease in transportation force.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)
- IOT PWB (PL 18.2)

077-121 Post 2nd BTR Paper On Belt Jam

BSD-ON:CH9.25

The Post 2nd BTR Sensor turned from ON to OFF earlier than the specified time after the Sensor detected the paper (ON). (the paper got stuck to the IBT belt)

Cause/Action

Refer to 077-120 FIP.

077-123 Regi In Sensor On Jam (Duplex)

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during the Duplex Path paper transportation for 2 Sided Printing.

Cause/Action

Refer to 071-105 FIP.

077-128 Invert In Sensor On Jam

BSD-ON:CH10.12, CH10.11

The Invert In Sensor does not turn ON within the specified time during paper transportation for 2 Sided Printing or Invert output.

Cause/Action

Check the following:

- The Invert In Sensor (DC330 [077-109]) for operation failure. (PL 16.3)
- The Invert In Gate Motor (DC330 [077-059/060] (Exit/Invert)) for operation failure. (PL 16.3)
- The Fusing Unit Exit Roll for revolution failure.
- The Decurler Roll Upper and Decurler Roll Down for contamination, wear, and transportation failure due to deterioration.
- The 2nd BTR Unit for a decrease in transportation force.
- The Drawer Connectors (DP608/ DJ608 and DP611/ DJ611) for poor contact.
- A paper transportation failure due to foreign substances on the paper path.
- The Drive Gear for wear and damage.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- MCU PWB (PL 18.2)
- MD BS PWB (PL 18.4)
- IOT PWB (PL 18.2)

077-129 Duplex In Sensor On Jam

BSD-ON:CH10.18, CH10.14, CH10.13

The Duplex In Sensor does not turn ON within the specified time during the Duplex Path paper transportation for 2 Sided Printing.

Cause/Action

Check the following:

- The Duplex In Sensor (DC330 [077-113]) for operation failure. (PL 14.7)
- The Duplex Motor (DC330 [077-052]) for operation failure. (PL 14.3)
- The Invert Motor (DC330 [077-048] (Output)) for operation failure. (PL 16.4)
- The Invert N/R Motor (DC330 [077-050/051] (Release/Nip)) for operation failure. (PL 16.4)
- The Invert N/R Sensor (DC330 [077-112]) for operation failure. (PL 16.4)
- The Invert Roll, Duplex In Roll, and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drawer Connectors (DP608/ DJ608 and DP611/ DJ611) for poor contact.
- A paper transportation failure due to foreign substances on the paper path.
- The Drive Gear for wear and damage.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

077-130 Duplex Out Sensor On Jam

BSD-ON:CH10.18, CH10.14

The Duplex Out Sensor does not turn ON within the specified time during the Duplex Path paper transportation for 2 Sided Printing.

Cause/Action

Check the following:

- The Dup Out Sensor (DC330 [077-115]) for operation failure. (PL 14.7)
- The Duplex Motor (DC330 [077-052]) for operation failure. (PL 14.3)
- The Invert Motor (DC330 [077-048] (Output)) for operation failure. (PL 16.4)
- The Duplex In Roll, Duplex Roll 1 to 4, Duplex Out Roll, and Pinch Roll for contamination, wear, and transportation failure due to deterioration.
- A paper transportation failure due to foreign substances on the paper path.
- The Duplex Transport Drive Belt for wear and damage. (PL 14.4)
- The Drive Gear for wear and damage.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)
- IOT PWB (PL 18.2)

077-132 Invert In Sensor Off Jam

BSD-ON:CH10.12, CH10.14

The Invert In Sensor did not turn OFF within the specified time during Invert operation.

Cause/Action

Check the following:

- The Invert In Sensor (DC330 [077-109]) for operation failure. (PL 16.3)
- The Invert In Motor (DC330 [077-038]) for operation failure. (PL 14.9)
- The Invert Motor (DC330 [077-043] (Intake)) for operation failure. (PL 16.4)
- The Invert In Roll, Invert Roll, and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- A paper transportation failure due to foreign substances on the paper path.
- The Drive Gear for wear and damage.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)

077-143 CIS Side Regi Error

BSD-ON:CH8.9

CIS Side Edge Detect A Fail, CIS Side Edge Detect B Fail, CIS Side Edge Detect C Fail, CIS Side Edge Detect Fail, or CIS Side Edge Out Of Range has occurred.

NOTE: If the Fail Type had been changed at NVM [742-383] (CIS Side Regi Error Switch), this Fail will be sent as a Jam (Dynamic) Fail when any of the above Local Fail occurs. (0: Send only the hidden failure that has occurred, 1: Send this Fail along with the hidden failure that has occurred)

Cause/Action

Enter DC122 Shutdown History and check whether any of the following hidden failures has occurred. If any has occurred, go to the relevant FIP.

- 089-647 CIS Side Edge Detect A Fail
- 089-648 CIS Side Edge Detect B Fail
- 089-649 CIS Side Edge Detect C Fail
- 089-646 CIS Side Edge Detect Fail
- 089-650 CIS Side Edge Out of Range

077-145 Lead Regi Error

BSD-ON:CH8.10

The Regi Out Sensor does not turn ON within the specified time after the Regi Sync signal turned ON during the Registration operation.

NOTE: When NVM [742-382] (Lead Regi Error Switch) is set to '1', this Fail will be sent and the type will be changed to Jam (Dynamic). When it is set to '0', Lead Regi Out Of Range (hidden Fail) will be sent.

Cause/Action

Refer to 077-112 FIP.

077-220 Side Shift Home Fail

BSD-ON:CH8.10

The output of the Side Shift Home Sensor does not change within the specified time after the Side Shift Motor On.

Cause/Action

Check the following:

- The Side Shift Home Sensor (DC330 [077-105]) for operation failure. (PL 15.2)
- The Side Shift Motor (DC330 [077-025/026] (Rear/Front)) for operation failure. (PL 15.2)
- The Drive Gear for wear and damage.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)
- IOT PWB (PL 18.2)

077-222 Pre Regi Release Fail

BSD-ON:CH8.6

The output of the Pre Regi N/R Home Sensor does not change within the specified time after the Pre Regi N/R Motor On. (It does not become the Release state)

Cause/Action

Check the following:

- The Pre Regi N/R Home Sensor (DC330 [077-106]) for operation failure. (PL 15.4)
- The Pre Regi N/R Motor (DC330 [077-028/029] (Release/Nip)) for operation failure. (PL 15.3)
- The Drive Gear for wear and damage.

If no problem is found, replace the following parts in sequence:

- MCU PWB (PL 18.2)
- PH Drive PWB (PL 18.4)
- IOT PWB (PL 18.2)

077-223 Regi Release Fail

BSD-ON:CH8.8

The output of the Regi N/R Home Sensor does not change within the specified time after the Regi N/R Motor On. (It does not become the Release state)

Cause/Action

Check the following:

- The Regi N/R Home Sensor (DC330 [077-107]) for operation failure. (PL 15.4)
- The Regi N/R Motor (DC330 [077-031/032] (Release/Nip)) for operation failure. (PL 15.4)
- The Drive Gear for wear and damage.

If no problem is found, replace the following parts in sequence:

- MCU PWB (PL 18.2)
- PH Drive PWB (PL 18.4)
- IOT PWB (PL 18.2)

077-300 Front Cover Interlock Open

BSD-ON:CH1.10

Front Cover Interlock Switch Open was detected.

Cause/Action

Check the following:

- The Front Cover Interlock Switch (DC330 [077-300]) for operation failure. (PL 18.3)
- The Front Cover for damage or mismatch.

If no problem is found, replace the MCU PWB. (PL 18.2)

077-301 Left Hand Cover Interlock Open

BSD-ON:CH1.11

L/H Cover Interlock Switch Open was detected.

Cause/Action

Check the following:

- The L/H Cover Interlock Switch (DC330 [077-302]) for operation failure. (PL 11.3)
- The L/H Cover for damage or mismatch.
- The Switch Bracket for deformation. (At the Cover)

If no problem is found, replace the PH Drive PWB. (PL 18.4)

077-302 Right Hand Cover Interlock Open

BSD-ON:CH1.11

R/H Cover Interlock Switch Open was detected.

Cause/Action

Check the following:

- The R/H Cover Interlock Switch (DC330 [077-301]) for operation failure. (PL 16.1)
- The R/H Cover for damage or mismatch.

If no problem is found, replace the PH Drive PWB. (PL 18.4)

077-303 PH Drawer Interlock Open

BSD-ON:CH1.11

The PH Drawer is pulled out.

Cause/Action

Check the following:

- The PH Drawer for improper installation.
- The Drawer Connector (DP611/ DJ611) for poor contact, broken/bent pins, burn damage, and foreign substances.
- The PH Drawer for improper latching.

If no problem is found, replace the MCU PWB. (PL 18.2)

077-304 MSI Cover Interlock Open

BSD-ON:CH1.10

MSI Cover Interlock Switch Open was detected.

NOTE: If the 4000 HCF or the 2000A3 HCF is connected, check the connector between the HCF and the IOT (the Drawer Connector at the top) for poor contact and disconnection.

Cause/Action

1. Check the MSI Cover Interlock Switch (DC330 [077-304]) for operation failure. (PL 13.2)
2. If no problem is found, replace the MCU PWB. (PL 18.2)

077-311 Invert Release Fail

BSD-ON:CH10.13

The voltage level of the Invert N/R Sensor does not change within the specified time after the Invert N/R Motor On.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Invert N/R Sensor (DC330 [077-112]) for operation failure. (PL 16.4)
- The Invert N/R Motor (DC330 [077-050/051] (Release/Nip)) for operation failure. (PL 16.4)
- The Belt for wear and damage. (PL 16.4)

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- MCU PWB (PL 18.2)
- IOT PWB (PL 18.2)

077-312 Feeder Communication Fail

BSD-ON:CH3.6

Communication failure between the IOT and the HCF was detected.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. Check the following:

NOTE: For more information on the PWB and power supply at the HCF, refer to the HCF Supplementary Service Manual.

- The connection between the MCU PWB J417 and the HCF PWB for open circuit, short circuit, and poor contact.
 - The Drawer Connectors (DP678/J678 and DP679/J679) for poor contact, broken/bent pins, burn damage, and foreign substances.
 - The power supply at the HCF.
3. If no problem is found, replace the MCU PWB. (PL 18.2)

077-315 CIS Subsystem Fail

BSD-ON:CH8.9

CIS Dark Level Error, CIS White Level Error, CIS LED Power Control Fail, CIS Shading Data Fail, CIS FPGA Fail, CIS Communication Fail, or CIS Side Edge Detect Fail has occurred.

NOTE: If the Fail Type had been changed at NVM [742-383] (CIS Side Regi Error Switch), this Fail will be sent as a Sub System Fail when any of the above Local Fail occurs. (0: Send only the hidden failure that has occurred, 1: Send this Fail along with the hidden failure that has occurred)

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Go to the appropriate FIP

- 089-640 CIS Dark Level Error
- 089-641 CIS White Level Error
- 089-642 CIS LED Power Control Fail
- 089-643 CIS Shading Data Fail

- 089-644 CIS FPGA Fail
- 089-645 CIS Communication Fail
- 089-646 CIS Side Edge Detect Fail

077-320 All Feed Tray Broken Fail

BSD-ON:CH3.2

All Trays (including MSI) are malfunctioning.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. Set each Tray again.
3. Enter DC122 Shutdown History and go to the FIP of the Tray that is malfunctioning.

077-325 Pre Regi Nip Fail

BSD-ON:CH8.6

The output of the Pre Regi N/R Home Sensor does not change within the specified time after the Pre Regi N/R Motor On. (It does not become the Nip state)

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 077-222 FIP.

077-326 Regi Nip Fail

BSD-ON:CH8.8

The output of the Regi N/R Home Sensor does not change within the specified time after the Regi N/R Motor On. (It does not become the Nip state)

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 077-223 FIP.

077-333 Invert In Gate Fail

BSD-ON:CH10.11

The logic change of the Invert Gate Home Sensor was not detected within the specified time after the Invert In Gate Motor On.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Invert Gate Home Sensor (DC330 [077-117]) for operation failure. (PL 16.3)
- The Invert In Gate Motor (DC330 [077-059/060] (Exit/Invert)) for operation failure. (PL 16.3)
- The Invert In Gate Motor Actuator for damage.

If no problem is found, replace the following parts in sequence:

- MCU PWB (PL 18.2)
- MD BS PWB (PL 18.4)

077-909 IOT Static Jam

BSD-ON:CH3.1

When the various Covers were closed, one of the Sensors detected paper in the IOT.

Cause/Action

1. Turn the power OFF and ON.
2. Record the value of NVM [742-023] (Static Jam Detection Sensor Chain Link No.) and identify the Sensor from the DC330 Chain Link No.
3. Check the identified Sensor for paper dust, remaining paper bits, other contamination, and improper installation.
4. If no problem is found, check the applicable Sensor for operation failure.

078-100 (2000 HCF Tray) Pre Regi Sensor On Jam

BSD-ON:CH8.5

The Pre Regi Sensor does not turn ON within the specified time during paper feed from the HCF.

Cause/Action

Refer to 071-104 FIP.

078-100 (2000B1 HCF Tray) MSI Pre Regi Sensor On Jam

BSD-ON:CH8.5

The MSI Pre Regi Sensor does not turn ON within the specified time during paper feed from the HCF.

NOTE: For more information on the components and circuits at the HCF, refer to the HCF Supplementary Service Manual.

Cause/Action

Check the following:

- The MSI Pre Regi Sensor (DC330 [077-101]) for operation failure. (PL 15.6)
- The Transport Motor (DC330 [077-008]) for operation failure. (PL 15.5)
- The J-Tra Motor (DC330 [078-047]) for operation failure. (HCF Manual)
- The J-Tra Exit Sensor (DC330 [078-106]) for operation failure. (HCF Manual)
- The J-Tra Exit Roll Clutch (DC330 [078-053]) for operation failure. (HCF Manual)
- The J-Tra Exit Roll, MSI Takeaway Roll, and Pinch Roll for transportation failure due to contamination, wear, and deterioration.
- The Drawer Connector (DP678/J678) for poor contact.
- The Drive Gear for wear and damage.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.

If no problem is found, replace the following parts in sequence:

- MCU PWB (PL 18.2)
- PH Drive PWB (PL 18.4)
- HCF PWB (HCF Manual)

078-100 (4000C1 HCF Tray 1) MSI Pre Regi Sensor On Jam (Color C75 Press)

BSD-ON:CH8.5

The MSI Pre Regi Sensor does not turn ON within the specified time during paper feed from the HCF Upper Tray.

Cause/Action

Refer to 078-100 (2000B1 HCF Tray) FIP.

078-100 (4000C2 HCF Tray 1) MSI Pre Regi Sensor On Jam (Color J75 Press)

BSD-ON:CH8.5

The MSI Pre Regi Sensor does not turn ON within the specified time during paper feed from the HCF Upper Tray.

Cause/Action

Refer to 078-100 (2000B1 HCF Tray) FIP.

078-101 (2000 HCF Tray) Feed Out Sensor 1 On Jam

BSD-ON:CH8.3, CH8.2

The Feed Out Sensor 1 did not turn ON within the specified time in the paper feed from the HCF.

Cause/Action

Check the following:

- The Feed Out Sensor 1 (DC330 [071-101]) for operation failure. (PL 11.11)
- The HCF and the IOT for improper docking.
- A paper transportation failure due to foreign substances on the paper path.
- Usage of out of spec paper.
- The HCF Takeaway Motor (DC330 [078-007]) for operation failure. (PL 28.8 (2000 HCF Manual))
- The HCF Feed Lift Motor (DC330 [078-003]) for operation failure. (PL 28.4 (2000 HCF Manual))
- The HCF Takeaway Roll and the Feed Roll for transportation failure due to contamination, wear, and deterioration.

If no problem is found, replace the following parts in sequence:

- PH Drive PWB (PL 18.4)
- HCF PWB (PL 28.8 (2000 HCF Manual))

078-102 (2000 HCF Tray) Regi In Sensor On Jam

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during paper feed from the HCF Tray.

Cause/Action

Refer to 071-105 FIP.

078-102 (2000B1 HCF Tray) Regi In Sensor On Jam

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during paper feed from the HCF Tray.

Cause/Action

Refer to 071-105 FIP.

078-102 (4000C1 HCF Tray 1) Regi In Sensor On Jam (Color C75 Press)

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during paper feed from the HCF Upper Tray.

Cause/Action

Refer to 071-105 FIP.

078-102 (4000C2 HCF Tray 1) Regi In Sensor On Jam (Color J75 Press)

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during paper feed from the HCF Upper Tray.

Cause/Action

Refer to 071-105 FIP.

078-110 (2000B1 HCF MSI) MSI Pre Regi Sensor On Jam

BSD-ON:CH8.5

The MSI Pre Regi Sensor does not turn ON within the specified time during paper feed from the HCF MSI.

Cause/Action

Refer to 078-100 (2000B1 HCF Tray) FIP.

078-110 (4000C1 HCF MSI) MSI Pre Regi Sensor On Jam (Color C75 Press)

BSD-ON:CH8.5

The MSI Pre Regi Sensor does not turn ON within the specified time during paper feed from the HCF MSI.

Cause/Action

Refer to 078-100 (2000B1 HCF Tray) FIP.

078-110 (4000C2 HCF MSI) MSI Pre Regi Sensor On Jam (Color J75 Press)

BSD-ON:CH8.5

The MSI Pre Regi Sensor does not turn ON within the specified time during paper feed from the HCF MSI.

Cause/Action

Refer to 078-100 (2000B1 HCF Tray) FIP.

078-111 (2000B1 HCF MSI) Regi In Sensor On Jam

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during paper feed from the HCF MSI.

Cause/Action

Refer to 071-105 FIP.

078-111 (4000C1 HCF MSI) Regi In Sensor On Jam (Color C75 Press)

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during paper feed from the HCF MSI.

Cause/Action

Refer to 071-105 FIP.

078-111 (4000C2 HCF MSI) Regi In Sensor On Jam (Color J75 Press)

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during paper feed from the HCF MSI.

Cause/Action

Refer to 071-105 FIP.

078-150 (4000C1 HCF Tray 2) MSI Pre Regi Sensor On Jam (Color C75 Press)

BSD-ON:CH8.5

The MSI Pre Regi Sensor does not turn ON within the specified time during paper feed from the HCF Bottom Tray.

Cause/Action

Refer to 078-100 (2000B1 HCF Tray) FIP.

078-150 (4000C2 HCF Tray 2) MSI Pre Regi Sensor On Jam (Color J75 Press)

BSD-ON:CH8.5

The MSI Pre Regi Sensor does not turn ON within the specified time during paper feed from the HCF Bottom Tray.

Cause/Action

Refer to 078-100 (2000B1 HCF Tray) FIP.

078-152 (4000C1 HCF Tray 2) Regi In Sensor On Jam (Color C75 Press)

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during paper feed from the HCF Bottom Tray.

Cause/Action

Refer to 071-105 FIP.

078-152 (4000C2 HCF Tray 2) Regi In Sensor On Jam (Color J75 Press)

BSD-ON:CH8.7

The Regi In Sensor does not turn ON within the specified time during paper feed from the HCF Bottom Tray.

Cause/Action

Refer to 071-105 FIP.

089-600 RC Sample Lateral Fail-A1

BSD-ON:CH6.16, CH9.18

There is an error with the Cyan fast scan position that is used as a reference during A1 (fine adjustment pattern) and C patch detection. This is a hidden failure. The Color Regi Spec cannot be guaranteed and Data is only recorded in history.)

NOTE: When multiple failures with Chain No. 089 (RegiCon) occur, take action according to the priority order in the following table. Solving a higher priority failure may sometimes also repair the other failures. (089-600 ~ 089-616 is detected when performing Regi Control, 089-617 is detected when a print instruction is issued, while 089-618 to 089-620 are detected when performing the MOB Sensor LED light amount correction.)

Table 1

Priority	Chain Link	Fail Item
1 (High)	089-616	RC Data Over Flow Fail
2	089-604 ~ 089-615	RC Sample Block Fail-B
3	089-601, 089-602, 089-603	RC Sample Block Fail-A1
4	089-600	RC Sample Lateral Fail-A1
5	089-617	RC Data Over Range Fail
6 (Low)	089-618, 089-619, 089-620	MOB LED Fail

Initial Actions

- Check whether an IBT Drive Control related Fail (042-324, 042-326, 042-327, 042-600) has occurred. If it has, go to Step 1.
- Check whether partial poor image quality (such as low density, roller marks, dark background, contamination, IBT Belt scratches, Magnet Roll scratches, and etc.) has occurred at the MOB Sensor detection area. If it has, go to Step 2.

Procedure

- Step 1 -

Has an IBT Drive Control related Fail occurred?

Y N

Is the IBT Belt installed properly?

Y N

Install the IBT Belt properly. After the installation, perform DC675 Registration Control Setup Cycle.

Replace the IBT Belt (PL 6.3). After the replacement, perform DC675 Registration Control Setup Cycle.

Go to the appropriate FIP After the process has completed, perform DC675 Registration Control Setup Cycle.

- Step 2 -

Turn OFF the power and insert a sheet of blank paper between the MOB Sensor and the IBT Belt. Turn ON the power and perform the following MOB Sensor Diag.

- MOB Sensor In: DC140 [089-200] (MOB Moni In A)
- MOB Sensor Center: DC140 [089-201] (MOB Moni Center A)
- MOB Sensor Out: DC140 [089-202] (MOB Moni Out A)

Is the analog monitor value 93 or lower for all?

Y N

Press the Stop button. Refer to the BSD and check the applicable Sensor for operation failure (including wiring failure).

If no problem is found, replace the following parts in sequence: After the replacement, perform DC675 Registration Control Setup Cycle.

- MOB ADC Assembly (PL 18.3)
- MCU PWB (PL 18.2)

Press the Stop button. Turn ON DC330 [092-004] (ADC Shutter Open) and DC330 [092-005] (ADC Shutter Close) alternately. Is the ADC Shutter operating properly?

Y N

Go to 092-649 (ADC Shutter Open Fail) FIP or 092-650 (ADC Shutter Close Fail) FIP.

Press the Stop button and turn OFF the power. Remove each Drum Cartridge and the IBT Unit and reinstall them.

Turn ON the power and perform DC675 Registration Control - Setup Cycle.

If the problem persists, replace the MCU PWB (PL 18.2). After the replacement, perform DC675 Registration Control Setup Cycle.

089-601 RC Sample Block Fail-A1-In

FIP

Refer to CF-014 FIP.

089-602 RC Sample Block Fail-A1-Cnt

FIP

Refer to CF-014 FIP.

089-603 RC Sample Block Fail-A1-Out

FIP

Refer to CF-014 FIP.

089-604 RC Sample Block Fail-B-Yellow-In

FIP

Refer to CF-015 FIP.

089-605 RC Sample Block Fail-B-Yellow-Cnt

FIP

Refer to CF-015 FIP.

089-606 RC Sample Block Fail-B-Yellow-Out**FIP**

Refer to CF-015 FIP.

089-607 RC Sample Block Fail-B-Magenta-In**FIP**

Refer to CF-015 FIP.

089-608 RC Sample Block Fail-B-Magenta-Cnt**FIP**

Refer to CF-015 FIP.

089-609 RC Sample Block Fail-B-Magenta-Out**FIP**

Refer to CF-015 FIP.

089-610 RC Sample Block Fail-B-Cyan-In**FIP**

Refer to CF-015 FIP.

089-611 RC Sample Block Fail-B-Cyan-Cnt**FIP**

Refer to CF-015 FIP.

089-612 RC Sample Block Fail-B-Cyan-Out**FIP**

Refer to CF-015 FIP.

089-613 RC Sample Block Fail-B-Black-In**FIP**

Refer to CF-015 FIP.

089-614 RC Sample Block Fail-B-Black-Cnt**FIP**

Refer to CF-015 FIP.

089-615 RC Sample Block Fail-B-Black-Out**FIP**

Refer to CF-015 FIP.

089-616 RC Data Over Flow Fail**BSD-ON:CH6.16**

The correction setting value of calculation result has exceeded the settable range. This is a hidden failure. The Color Regi Spec cannot be guaranteed and Data is only recorded in history.)

NOTE: When multiple failures with Chain No. 089 (RegiCon) occur, refer to the Note in 089-600 FIP and take action starting with the Fail that is higher in the priority order.

Procedure

Turn OFF the power. Remove each Drum Cartridge and the IBT Unit and reinstall them. Turn ON the power, perform DC675 Registration Control Setup Cycle, and compare the correction amount with the value in the following table.

Table 1

Correction item	Adjustment Range	
	Min	Max
Fast Scan Margin	-4720	+4720
Slow Scan Margin	-4720	+4720
Skew	-1850	+1850
Bow	-140	+140
Fast Scan Overall Magnification	-3040	+3040
Fast Scan Horizontal Magnification	-660	+660

Is there any item that had reached its Max or Min value on the adjustment range?

Y N
| End

Replace the Drum Cartridge of the applicable color (PL 8.1) and perform DC675 Registration Control Setup Cycle. **Is an error displayed?**

Y N
| End

In the same way, replace the following parts in sequence and perform DC675 Registration Control Setup Cycle after the replacement.

- The ROS Assembly of the applicable color (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.1, REP 2.1.2)

- MOB ADC Assembly (PL 18.3)
- MCU PWB (PL 18.2)

089-617 RC Data Over Range Fail

BSD-ON:CH6.16

The result of adding the Offset Value to the Color Registration Correction Value has exceeded the settable range. This is a hidden failure. The Color Regi Spec cannot be guaranteed and Data is only recorded in history.)

NOTE: When multiple failures with Chain No. 089 (RegiCon) occur, refer to the Note in 089-600 FIP and take action starting with the Fail that is higher in the priority order.

Procedure

Return all the customer's alignment adjustment values (Side Registration Adjustment, Lead Skew Adjustment, Fast Scan Reduce/Enlarge Adjustment) to '0' and output an image. (The output image can be anything)

- Customer's alignment adjustment value: the value of [Manual Alignment Adjustment] in the System Administrator Mode

If a Fail displayed?

Y N
Reinstate any of the customer's adjustment value and output the image again. **If a Fail displayed?**
Y N
Set a smaller value for the customer's adjustment value that was not reinstated.
Set a smaller value for the reinstated customer's adjustment value.

Perform DC675 Registration Control Setup Cycle. If any of the displayed Offset Value is not at '0', set the NVM for those Offset Value to '0'.

- NVM [759-130] (Lead Regi Offset)
- NVM [759-131] (Side Regi Offset Side 1)
- NVM [759-132] (Side Regi Offset Side 2)
- NVM [759-133] (Side 1 Fast Scan % Offset)
- NVM [759-134] (Side 2 Fast Scan % Offset)
- NVM [759-137] (Side 1 Slow Scan Skew Offset Side 1)
- NVM [759-138] (Side 2 Slow Scan Skew Offset Side 2)
- NVM [759-139] (Side 1 Fast Scan Skew Offset Side 1)
- NVM [759-140] (Side 2 Fast Scan Skew Offset Side 2)

Turn the power OFF and ON and output the image again (the output image can be anything). **If a Fail displayed?**

Y N
Return the NVM that were changed to '0' back to their original values in sequence while checking whether the Fail reoccurs. If a Fail occurs, set a smaller value for the NVM where the Fail has occurred.

Check the connectors (P425/ J425 and P335/ J335) between the MCU PWB, BP PWB, and ESS PWB for poor contacts.

If no problem is found, replace the following parts in sequence:

- ESS PWB (PL 35.2)
- MCU PWB (PL 18.2)

089-618 MOB LED Fail-In

FIP

Refer to CF-016 FIP.

089-619 MOB LED Fail-Center

FIP

Refer to CF-016 FIP.

089-620 MOB LED Fail-Out

FIP

Refer to CF-016 FIP.

089-621 RC Temp Sensor Fail

BSD-ON:CH6.17

The measured temperature value of the RegiCon Temperature Sensor is out of the specification range. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Check the following:

- The detection section of the RegiCon Temperature Sensor for foreign substances.
- The connection between the RegiCon Temperature Sensor P123 and the MCU PWB J412 for open circuit, short circuit, and poor contact.

If no problem is found, replace the following parts in sequence:

- RegiCon Temperature Sensor (PL 2.1)
- MCU PWB (PL 18.2)

089-639 Lead Regi Out Of Range

BSD-ON:CH8.10

The Regi Out Sensor does not turn ON within the specified time after the Regi Sync signal turned ON during the Registration operation. (this Fail is a hidden failure and it is registered only in the History)

NOTE: When NVM [742-382] (Lead Regi Error Switch) is set to '0', this Fail will be sent. When it is set to '1', the type will be changed to Jam (Dynamic) and the Lead Regi Error will be sent.

Cause/Action

Refer to 077-112 FIP.

089-640 CIS Dark Level Error

BSD-ON:CH8.9

The black level is abnormal. During the brightness correction, the standard black reference data obtained while the driving current of the LED was changed was found to be '10' or less 3 times in a row for the average output value of all pixels (1216 pixels). (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

- Set the NVM [742-466] (Number of Times to Perform Brightness Correction) to '0' and perform DC750 (IOT CIS Setup Cycle) (ADJ 18.3.2). If the result is NG, go to Step 2.
- Check the connections between the MCU PWB J405 and the CIS Control PWB J425, as well as between the CIS Control PWB J426 and the CIS J190 for open circuits, short circuits, and poor contacts.
- Check the Drawer Connector (DP611/ DJ611) for poor contact.
- If no problem is found, replace the following parts in sequence:
 - CIS (PL 15.4)

NOTE: After replacing the CIS, set the NVM [742-466] (Number of Times to Perform Brightness Correction) to '0' and perform DC750 (IOT CIS Setup Cycle). (ADJ 18.3.2)

 - CIS Control PWB (PL 15.4)
 - MCU PWB (PL 18.2)

089-641 CIS White Level Error

BSD-ON:CH8.9

The white level is abnormal. During the brightness correction, the standard white reference data obtained while the driving current of the LED was changed was found to be equal to or lower than the setting value of NVM [742-462] (White Reference Threshold Value for Brightness Correction) 3 times in a row for the average output value of all pixels (1216 pixels). (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

- Check the CIS LED (DC330 [077-054]) for operation failure. If the LED turns ON, check the CIS glass surface for contamination. If no problem is found, replace the CIS. (PL 15.4)
- Check for a +5V_CIS and +5VDC supply failure to the CIS Control PWB.

- Check the connections between the MCU PWB J405 and the CIS Control PWB J425, as well as between the CIS Control PWB J426 and the CIS J190 for open circuits, short circuits, and poor contacts.
- Check the Drawer Connector (DP611/ DJ611) for poor contact.
- If no problem is found, replace the following parts in sequence:
 - CIS Control PWB (PL 15.4)
 - MCU PWB (PL 18.2)

089-642 CIS LED Power Control Fail

BSD-ON:CH8.9

The brightness cannot be corrected due to LED not turning ON, etc. The brightness correction control did not end within the limit count (NVM [742-479] (Brightness Adjustment Threshold Value)). (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Refer to 089-641 FIP.

089-643 CIS Shading Data Fail

BSD-ON:CH8.9

In the shading correction, the data (1st pixel to 1216th pixel) that forms the reference to calculate the correction coefficient was '0' or less for 1 or more pixels. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Refer to 089-641 FIP.

089-644 CIS FPGA Fail

BSD-ON:CH8.9

An operation failure of the CIS FPGA. When the reference black data, the reference white data, or the edge data is read, the CIS_STATUS register value does not change to '1'. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

- Turn the power OFF and ON.
- If the problem persists, replace the CIS Control PWB. (PL 15.4)

089-645 CIS Communication Fail

BSD-ON:CH8.9

A communication error occurred between the MCU PWB and the CIS Control PWB. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

1. Check the connection between the MCU PWB J405 and the CIS Control PWB J425 for open circuit, short circuit, and poor contact.
2. Check the Drawer Connector (DP611/ DJ611) for poor contact.
3. If no problem is found, replace the following parts in sequence:
 - CIS Control PWB (PL 15.4)
 - MCU PWB (PL 18.2)

089-646 CIS Side Edge Detect Fail

BSD-ON:CH8.9

3 or more edge data errors (CIS Side Edge Detect A/B/C Fail, CIS Side Edge Out of Range) have occurred in 1 Job. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Perform DC750 (IOT CIS Setup Cycle). (ADJ 18.3.2)

- If it is OK: No special action necessary.
- If it is NG: Replace the CIS. (PL 15.4)

NOTE: After replacing the CIS, set the NVM [742-466] (Number of Times to Perform Brightness Correction) to '0' and perform DC750 (IOT CIS Setup Cycle). (ADJ 18.3.2)

089-647 CIS Side Edge Detect A Fail

BSD-ON:CH8.9

The paper edge is located to the right of the detection area. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

No special action necessary. If this Fail occurs frequently, perform the following:

1. Check the position of the Tray Side Guide.
2. Clean the CIS glass surface.
3. Perform DC750 (IOT CIS Setup Cycle). (ADJ 18.3.2)

089-648 CIS Side Edge Detect B Fail

BSD-ON:CH8.9

The paper edge is located to the left of the detection area. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Refer to 089-647 FIP.

089-649 CIS Side Edge Detect C Fail

BSD-ON:CH8.9

The paper edge is opposite (the edge and paper are in an inverted position). (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Refer to 089-647 FIP.

089-650 CIS Side Edge Out of Range

BSD-ON:CH8.9

The paper edge is out of the valid range. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Refer to 089-647 FIP.

089-651 CIS Shading Recommend

BSD-ON:CH8.9

The shading correction has not been updated for long time. The count value of the side edge detection circuit has exceeded the setting value of NVM [742-487] (Recommended Shading Renewal Frequency). (this Fail is a hidden failure and it is registered only in the History)

NOTE: When NVM [742-487] (Recommended Shading Renewal Frequency) is set to '0', this Fail will not be detected.

Cause/Action

Enter DC750 (IOT CIS Setup Cycle) to perform brightness correction and shading correction. (ADJ 18.3.2)

089-652 CIS Hard Fail**BSD-ON:CH8.9**

The CIS control function has malfunctioned. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

1. Turn the power OFF and ON.
2. Check the connections between the MCU PWB J405 and the CIS Control PWB J425, as well as between the CIS Control PWB J426 and the CIS J190 for open circuits, short circuits, and poor contacts.
3. Check the Drawer Connector (DP611/ DJ611) for poor contact.
4. If no problem is found, replace the following parts in sequence:
 - CIS Control PWB (PL 15.4)
 - MCU PWB (PL 18.2)

091-312 CC HVPS Broken Fail

BSD-ON:CH9.8

CC NVPS failure was detected.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.

NOTE: If this resolves the problem, it is highly probable that the MCU PWB had misdetected due to external noise abnormal or noise caused by electrical discharge in the machine. Check for any noise source around the machine and check for any abnormal electrical discharge, etc.

2. Check the following:
 - The power supply (+24VDC) to the HVPS S4 J584-1.
 - The connection between the HVPS S4 J584 and the MCU PWB J403 for open circuit, short circuit, and poor contact.
3. If no problem is found, replace the following parts in sequence:
 - HVPS S4 (PL 18.3)
 - MCU PWB (PL 18.2)

091-313 CRUM ASIC Communication Fail

BSD-ON:CH9.4, CH9.5

The CRUM ASIC has malfunctioned.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.

NOTE: If this resolves the problem, it is highly probable that the MCU PWB had misdetected due to external noise abnormal or noise caused by electrical discharge in the machine. Check for any noise source around the machine and check for any abnormal electrical discharge, etc.

2. Check the connections between the Xero CRUM PWB K/Y/M/C and the MCU PWB J414 for open circuits, short circuits, and poor contacts.
3. If no problem is found, replace the following parts in sequence:
 - MCU PWB (PL 18.2)
 - Xero CRUM PWB K/Y/M/C (PL 8.5)

091-317 CC Cleaner Broken Fail

BSD-ON:CH9.26

CC Cleaner malfunction was detected (the CC Cleaner got caught up in something in the middle of the operation).

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The CC Cleaner Motor (DC330 [091-009/010] (Rear->Front/Front->Rear) for operation failure. (PL 8.9)
- The CC Home Position Sensor for operation failure. (PL 8.9)

If no problem is found, replace the Drum Cartridge (K). (PL 8.1)

091-320 CC Wire Cut Fail

BSD-ON:CH9.8

Open circuit of the CC Wire was detected.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Check the CC Wire for an open circuit:
2. Check the CC High Voltage Cord for disconnection and open circuit.
3. If no problem is found, replace the following parts in sequence:
 - CC Connector (PL 8.9)
 - Drum Cartridge (K) (PL 8.1)

091-400 Waste Toner Container Near Full

BSD-ON:CH9.29

The Waste Toner Container needs to be replaced soon.

Cause/Action

1. The Waste Toner Container needs to be replaced soon. Replace the Waste Toner Container as required. (PL 8.5)
2. If the problem persists, check the Waste Container Full Sensor (DC330 [091-201]) for operation failure. (PL 8.5)

091-401 Drum Cartridge K Near Life**FIP**

Refer to CF-017 FIP.

091-406 Drum Cartridge K Pre Near Life**FIP**

Refer to CF-017 FIP.

091-411 Drum Cartridge Y Near Life**FIP**

Refer to CF-017 FIP.

091-416 Drum Cartridge Y Pre Near Life**FIP**

Refer to CF-017 FIP.

091-421 Drum Cartridge M Near Life**FIP**

Refer to CF-017 FIP.

091-426 Drum Cartridge M Pre Near Life**FIP**

Refer to CF-017 FIP.

091-431 Drum Cartridge C Near Life**FIP**

Refer to CF-017 FIP.

091-436 Drum Cartridge C Pre Near Life**FIP**

Refer to CF-017 FIP.

091-600 Xero Temperature Sensor Fail**BSD-ON:CH9.18**

The measured temperature value of the Xero Environment Sensor is out of the specification range. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Check the following:

- The detection section of the Xero Environment Sensor for foreign substances.
- The connection between the Xero Environment Sensor J102 and the MCU PWB J415 for open circuit, short circuit, and poor contact.

If no problem is found, replace the following parts in sequence:

- Xero Environment Sensor (PL 8.5)
- MCU PWB (PL 18.2)

091-601 Xero Humidity Sensor Fail**BSD-ON:CH9.18**

The measured humidity value of the Xero Environment Sensor is out of the specification range. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Refer to 091-600 FIP.

091-602 BCR AC OUT Fail**BSD-ON:CH9.9, CH9.8, CH9.18**

The number of BCR AC output errors has exceeded the specified number of times (NVM [750-289] (Const AC Out Counter)). (this Fail is a hidden failure and it is registered only in the History)

NOTE: After recovery, clear NVM [750-289] (Const AC OUT Counter) to '0'.

Cause/Action

Check the following:

- The connection between the HVPS S4 J584 and the MCU PWB J403 for poor contact.
- The connections between the HVPS CD01 J587 and J586 and the MCU PWB J406 for poor contacts.
- The Drum Cartridge for malfunction.
(When a normal print sample can be output, there are no problems with the Drum Cartridge.)
- Whether a Xero Environment Sensor Fail (091-600 or 091-601) has occurred.

If no problem is found, replace the following parts in sequence:

- HVPS S4 (PL 18.3)
- HVPS CD01 (PL 18.2)

091-603 CC Cleaner Short Time Fail

BSD-ON:CH9.26

Although the CC Cleaner got caught up in something in the middle of the operation, it did not occur in the Retract operation. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Refer to 091-317 FIP.

091-910 Waste Bottle Not Position**BSD-ON:CH9.29**

The Waste Toner Container is not set properly.

Cause/Action

1. Install the Waste Toner Container properly.
2. If the problem persists, check the Waste Container Set Sensor (DC330 [091-200]) for operation failure. (PL 8.11)
3. If no problem is found, replace the PH Drive PWB. (PL 18.4)

091-911 Waste Bottle Full**BSD-ON:CH9.29**

The Waste Toner Container must be replaced.

Cause/Action

1. Replace the Waste Toner Container. (PL 8.5)
2. If the problem persists, check the Waste Container Full Sensor (DC330 [091-201]) for operation failure. (PL 8.5)
3. If no problem is found, replace the PH Drive PWB. (PL 18.4)

091-913 Drum Cartridge K Life End**FIP**

Refer to CF-017 FIP.

091-914 Drum K CRUM Communication Fail**FIP**

Refer to CF-018 FIP.

091-915 Drum K CRUM Data Broken**FIP**

Refer to CF-019 FIP.

091-916 Drum K CRUM Data Mismatch**FIP**

Refer to CF-019 FIP.

091-917 Drum Y CRUM Communication Fail**FIP**

Refer to CF-018 FIP.

091-918 Drum M CRUM Communication Fail**FIP**

Refer to CF-018 FIP.

091-919 Drum C CRUM Communication Fail**FIP**

Refer to CF-018 FIP.

091-920 Drum Y CRUM Data Broken**FIP**

Refer to CF-019 FIP.

091-921 Drum K CRUM Not Position**FIP**

Refer to CF-020 FIP.

091-922 Drum M CRUM Data Broken**FIP**

Refer to CF-019 FIP.

091-923 Drum C CRUM Data Broken**FIP**

Refer to CF-019 FIP.

091-924 Drum Y CRUM Data Mismatch**FIP**

Refer to CF-019 FIP.

091-925 Drum M CRUM Data Mismatch

FIP

Refer to CF-019 FIP.

091-926 Drum C CRUM Data Mismatch

FIP

Refer to CF-019 FIP.

091-927 Drum Y CRUM Not Position

FIP

Refer to CF-020 FIP.

091-928 Drum M CRUM Not Position

FIP

Refer to CF-020 FIP.

091-929 Drum C CRUM Not Position

FIP

Refer to CF-020 FIP.

091-932 Drum Cartridge Y Life End

FIP

Refer to CF-017 FIP.

091-933 Drum Cartridge M Life End

FIP

Refer to CF-017 FIP.

091-934 Drum Cartridge C Life End

FIP

Refer to CF-017 FIP.

092-324 Low TC Y Fail

FIP

Refer to CF-021 FIP.

092-325 Low TC M Fail

FIP

Refer to CF-021 FIP.

092-326 Low TC C Fail

FIP

Refer to CF-021 FIP.

092-327 Low TC K Fail

FIP

Refer to CF-021 FIP.

092-649 ADC Shutter Open Fail

BSD-ON:CH9.18

The ADC Sensor shutters is open (cannot be closed). (this Fail is a hidden failure and it is registered only in the History)

Initial Actions

As this might also occur due to the ADC Sensor Transfer Belt reflection output value error, check whether Fail 092-651 (ADC Sensor Fail) has occurred as well. If it has, take action to correct Fail 092-651 first.

Cause/Action

1. Check the ADC Shutter Solenoid (DC330 [092-004/005] (Open/Close)) for operation failure. (PL 18.3)
 - Activate the shutter and check for the operation sound (clack). If no operation sound can be heard, the Shutter Solenoid (MOB ADC Assembly) is malfunctioning.
2. Check the connection between the MOB ADC Assembly J264 and the MCU PWB J408 for open circuit, short circuit, and poor contact.
3. If no problem is found, replace the following parts in sequence:
 - MOB ADC Assembly (PL 18.3)
 - MCU PWB (PL 18.2)

092-650 ADC Shutter Close Fail

BSD-ON:CH9.18

The ADC Sensor shutters is closed (cannot be opened). (this Fail is a hidden failure and it is registered only in the History)

Initial Actions

As this might also occur when the K Toner Patch is abnormally light, check whether Fail 092-652 (ADC Patch Fail) has occurred as well. If it has, take action to correct the low density for K color and Fail 092-652 first.

Cause/Action

Refer to 092-649 FIP.

092-651 ADC Sensor Fail

BSD-ON:CH9.18

The reflected output value of the ADC Sensor Transfer Belt, the measured value of the reference board, or the measured value of the dark current is abnormal. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Check the following:

- The ADC Sensor (MOB ADC Assembly) for contamination and improper installation (inclusive of the bracket installation).
- The connection between the MOB ADC Assembly J264 and the MCU PWB J408 for open circuit, short circuit, and poor contact
- The IBT Belt for abnormalities (contamination, damage, etc.).

If no problem is found, replace the following parts in sequence:

- MOB ADC Assembly (PL 18.3)
- IBT Belt (PL 6.3)
- MCU PWB (PL 18.2)

092-652 ADC Patch Fail

BSD-ON:CH9.18

There is an error with one of the Y/M/C/K colors or the ADC Sensor Patch reflection output values for all colors are abnormal (light). (this Fail is a hidden failure and it is registered only in the History)

Initial Actions

Check whether Fail 092-651 (ADC Sensor Fail) has occurred as well. If it has, take action to correct Fail 092-651 first.

Cause/Action

1. Check the following Fails and the ADC Patch Fail Counter for each color, and check the color for which the Fail has occurred.
 - NVM [752-182/183/184/185] (ADC Patch Fail Y/M/C/K)
 - NVM [752-186/187/188/189] (ADC Patch Fail Counter Y/M/C/K)
2. If the density of the corresponding color (Fail) is low, refer to [IQ-3 FIP for overall light printing] or [IQ-4 FIP when a particular color is light] to adjust the density correctly.
3. If the density is normal or the problem persists even after the adjustment, check the connection between the MOB ADC Assembly J264 and the MCU PWB J408 for open circuit, short circuit, and poor contact.
4. If no problem is found, replace the following parts in sequence:
 - MOB ADC Assembly (PL 18.3)
 - MCU PWB (PL 18.2)

092-653 ATC Average Fail Y**FIP**

Refer to CF-022 FIP.

092-654 ATC Average Fail M**FIP**

Refer to CF-022 FIP.

092-655 ATC Average Fail C**FIP**

Refer to CF-022 FIP.

092-656 ATC Average Fail K**FIP**

Refer to CF-022 FIP.

092-657 ATC Amplitude Fail Y**FIP**

Refer to CF-022 FIP.

092-658 ATC Amplitude Fail M**FIP**

Refer to CF-022 FIP.

092-659 ATC Amplitude Fail C**FIP**

Refer to CF-022 FIP.

092-660 ATC Amplitude Fail K**FIP**

Refer to CF-022 FIP.

092-661 Temperature Sensor Fail**BSD-ON:CH9.18**

The measured temperature value of the Environment Temperature Sensor is out of the specification range. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

1. Check the detection section of the Temp/Humidity Sensor (MOB ADC Assembly) for foreign substances.
2. Check the connection between the Temp/Humidity Sensor (MOB ADC Assembly) J262 and the MCU PWB J408 for open circuit, short circuit, and poor contact.
3. If no problem is found, replace the following parts in sequence:
 - MOB ADC Assembly (PL 18.3)
 - MCU PWB (PL 18.2)

092-662 Humidity Sensor Fail**BSD-ON:CH9.18**

The measured humidity value of the Environment Humidity Sensor is out of the specification range. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

Refer to 092-661 FIP.

092-663 MiniSetup ADC Fail**BSD-ON:CH9.18**

The difference of the density between two Patches created by MiniSetup is too small. (this Fail is a hidden failure and it is registered only in the History)

Initial Actions

Check whether Fail 092-651 (ADC Sensor Fail) or 092-652 (ADC Patch Fail) has occurred as well. If it has, take action to correct Fail 092-651 or 092-652 first.

Cause/Action

1. Check the following Fails and the ADC MiniSetup Fail Counter for each color, and check the color for which the Fail has occurred.
 - NVM [752-195/196/197/198] (ADC MiniSetup Fail Y/M/C/K)
 - NVM [752-190/191/192/193] (ADC MiniSetup Fail Counter Y/M/C/K)
2. If the density of the corresponding color (Fail) is abnormal (too high/too low), refer to [IQ-3 FIP for overall light printing] or [IQ-4 FIP when a particular color is light] to adjust the density correctly.
3. If the density is normal or the problem persists even after the adjustment, check the connection between the MOB ADC Assembly J264 and the MCU PWB J408 for open circuit, short circuit, and poor contact.
4. If no problem is found, replace the following parts in sequence:
 - MOB ADC Assembly (PL 18.3)
 - MCU PWB (PL 18.2)

093-300 Marking Drawer Interlock Open

BSD-ON:CH1.11

The Marking Drawer is pulled out.

Cause/Action

Check the following:

- The Marking Drawer for improper installation.
- The Drawer Connector (DP647/ DJ647) for poor contact, broken/bent pins, burn damage, and foreign substances.
- The Marking Drawer for improper latching.

If no problem is found, replace the ESS PWB. (PL 35.2)

093-313 Toner Filling Fail

BSD-ON:CH9.15, CH9.17

Although the Refill Toner operation was performed 6 times, the Automatic Refill Toner operation was interrupted as the Low Toner Sensor is unable to detect the existence of toner (High).

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Toner Cartridge Y/M/C/K1/K2 for failure. (PL 8.1)
- The Toner Cartridge Motor Y/M/C/K1/K2 (DC330 [093-001/002/003/004/005]) for operation failure. (PL 8.8)
- The Low Toner Sensor Y/M/C/K (DC330 [093-200/201/202/203]) for operation failure. (PL 8.4)

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- Low Toner Sensor PWB (PL 8.3)
- MCU PWB (PL 18.2)

093-314 Dispense Broken Y

FIP

Refer to CF-023 FIP.

093-315 Dispense Broken M

FIP

Refer to CF-023 FIP.

093-316 Dispense Broken C

FIP

Refer to CF-023 FIP.

093-317 Dispense Broken K

FIP

Refer to CF-023 FIP.

093-320 Deve Motor Fail

BSD-ON:CH9.10

The Deve Motor rotation error was detected. When the Lock Up (Deve Motor Fail) signal of the Motor Drive output was monitored at the specified time interval when a certain time has passed after the Deve Motor operation had started, it was found to have failed the specified number of times in a row.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Rotate the Rotor of the Deve Motor YMC manually to check if the Rotor is rotating without loading. If the Rotor does not rotate due to loading, check the following:
 - The Deve Drive Assembly (Y, M, C) Gear for wear, damage, and gear blockage. (PL 3.6)
 - The Developer Housing Kit (Y, M, C) for improper installation and the Auger section for blockage. (PL 8.6)
 - The Auger section in Drum Cartridge (Y, M, C) for blockage.
 - The Seal Roll (within the Drum Cartridge) for improper installation.
2. Check the Deve Motor YMC (DC330 [093-018]) for operation failure. (PL 3.6)
3. If no problem is found, replace the MCU PWB. (PL 18.2)

093-329 Toner Refill Stop

BSD-ON:CH9.6

It was detected that a Refill Toner Cartridge is being used. (When NVM [762-928] (Custom Mode Switch) is set to '2' (One Time CRUM Mode))

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Replace it with an appropriate Toner Cartridge and turn the power OFF then ON.

093-407 Toner Pre Near Empty Y**FIP**

Refer to CF-002 FIP.

093-408 Toner Pre Near Empty M**FIP**

Refer to CF-002 FIP.

093-409 Toner Pre Near Empty C**FIP**

Refer to CF-002 FIP.

093-421 Toner K1 Near Empty & K2 Empty**BSD-ON:CH9.6**

The Toner Cartridge (K1) needs to be replaced soon, while the Toner Cartridge (K2) must be replaced.

Cause/Action

Replace the Toner Cartridge (K2). Also, replace the Toner Cartridge (K1) as required. (PL 8.1)

093-422 Toner K2 Near Empty & K1 Empty**BSD-ON:CH9.6**

The Toner Cartridge (K2) needs to be replaced soon, while the Toner Cartridge (K1) must be replaced.

Cause/Action

Replace the Toner Cartridge (K1). Also, replace the Toner Cartridge (K2) as required. (PL 8.1)

093-423 Toner Near Empty Y**FIP**

Refer to CF-002 FIP.

093-424 Toner Near Empty M**FIP**

Refer to CF-002 FIP.

093-425 Toner Near Empty C**FIP**

Refer to CF-002 FIP.

093-600 Dispense Near Broken Y**FIP**

Refer to CF-023 FIP.

093-601 Dispense Near Broken M**FIP**

Refer to CF-023 FIP.

093-602 Dispense Near Broken C**FIP**

Refer to CF-023 FIP.

093-603 Dispense Near Broken K**FIP**

Refer to CF-023 FIP.

093-912 Toner Empty K**FIP**

Refer to CF-002 FIP.

093-918 Toner CRUM Communication Fail K2**FIP**

Refer to CF-024 FIP.

093-924 Toner CRUM Communication Fail K1**FIP**

Refer to CF-024 FIP.

093-925 Toner CRUM Data Broken Fail K1**FIP**

Refer to CF-025 FIP.

093-926 Toner CRUM Data Mismatch Fail K1**FIP**

Refer to CF-025 FIP.

093-927 Toner CRUM Communication Fail Y

FIP

Refer to CF-024 FIP.

093-928 Toner CRUM Communication Fail M

FIP

Refer to CF-024 FIP.

093-929 Toner CRUM Communication Fail C

FIP

Refer to CF-024 FIP.

093-932 Toner Cartridge Exchange Time Over

BSD-ON:CH9.6, CH1.11

The Toner Cartridge Exchange Time has been exceeded during print operation with the Toner Cartridge Cover opened.

Cause/Action

Check the following:

- The Dispense Cover Switch 1/2 for improper installation. (PL 8.3)
- The Dispense Cover Switch 1/2 (DC330 [093-205]) for operation failure. (PL 8.3)
- The Toner Cartridge Cover for improper installation. (PL 8.2)

If no problem is found, replace the MCU PWB. (PL 18.2)

093-933 Toner CRUM Data Broken Fail Y

FIP

Refer to CF-025 FIP.

093-934 Toner CRUM Data Broken Fail M

FIP

Refer to CF-025 FIP.

093-935 Toner CRUM Data Broken Fail C

FIP

Refer to CF-025 FIP.

093-936 Toner CRUM Data Broken Fail K2

FIP

Refer to CF-025 FIP.

093-937 Toner CRUM Data Mismatch Fail Y

FIP

Refer to CF-025 FIP.

093-938 Toner CRUM Data Mismatch Fail M

FIP

Refer to CF-025 FIP.

093-939 Toner CRUM Data Mismatch Fail C

FIP

Refer to CF-025 FIP.

093-940 Toner CRUM Data Mismatch Fail K2

FIP

Refer to CF-025 FIP.

094-320 1st BTR Retract Fail

BSD-ON:CH9.21

After the 1st BTR Retract operation has started, it does not complete within the specified time.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The 1st BTR Retract Motor (DC330 [094-001/002] (Contact/Retract)) for operation failure. (PL 6.4)
- The 1st BTR Contact/Retract Sensor (DC330 [094-200]) for operation failure. (PL 6.4)

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- MCU PWB (PL 18.2)

094-321 1st BTR Contact Fail

BSD-ON:CH9.21

After the 1st BTR Contact operation has started, it does not complete within the specified time.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 094-320 FIP.

094-322 2nd BTR Retract Fail

BSD-ON:CH9.24, CH9.1, CH9.14

After the 2nd BTR Retract operation has started, it does not complete within the specified time.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The 2nd BTR Nip/Release Sensor (DC330 [094-201]) for operation failure. (PL 6.8)
- The 2nd BTR Retract Cam Clutch (DC330 [094-003/004] (Contact/Retract)) for operation failure. (PL 3.4)

NOTE: Before performing DC330 [094-003/004], activate the Main Motor (DC330 [042-001]) first.

- The Main Motor (DC330 [042-001]) for operation failure. (PL 3.4)
- The Deve Clutch K (DC330 [093-023]) for operation failure. (PL 3.4)

NOTE: Lower the IBT Unit before performing DC330 [093-023].

- The Drive Gear for wear and damage.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- MCU PWB (PL 18.2)

094-323 2nd BTR Contact Fail

BSD-ON:CH9.24

After the 2nd BTR Contact operation has started, it does not complete within the specified time.

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to 094-322 FIP.

2.2.2.1 AC Power FIP

BSD-ON:CH1.1, CH1.3

Procedure

Plug the Power Cord into the outlet. **Does the GFI remains 'ON'?**

Y N
|
Check for occurrence of leakages, overvoltage of the AC input, and for a short circuit at the AC circuit.

Turn ON the Main Power Switch. **Does the GFI remains 'ON'?**

Y N
|
Check the AC circuits for short circuit

Turn OFF the power and unplug the Power Cord from the outlet. Remove the LVPS N09A. Plug the Power Cord into the outlet. **Is the voltage between the GFI J76-2 and J76-1 200VAC/220VAC?**

Y N
|
Unplug the Power Cord from the outlet. **Is the voltage at the outlet 200VAC/220VAC?**
Y N
|
Check the customer's Breaker, etc.

Check the Power Cord for open circuit and poor contact. If no problem is found, replace the Inlet Chassis Assembly. (PL 18.5)

Turn ON the Main Power Switch. **Is the voltage between the AC Power Supply N09A CN2-1 and CN2-2 200VAC/220VAC?**

Y N
|
Turn OFF the power and unplug the Power Cord from the outlet. The connections between the GFI J76-2, 1 and the AC Power Supply N09A J17-3, 1 for open circuits and poor contacts.
If no problem is found, replace the following parts in sequence:
• Main Power Switch (PL 18.3)
• AC Power Supply N09A (PL 18.5)

Turn OFF the power and unplug the Power Cord from the outlet. Reinstall the LVPS N09A and plug in the power cord to the outlet. Turn ON the Main Power Switch. **Is the voltage between the LVPS N09A J19-1 and J19-2 200VAC/220VAC?**

Y N
|
Turn OFF the power and check the connection between the AC Power Supply N09A CN2 and the LVPS N09A J19 for open circuit and poor contact.

Check the AC circuit to each component by referring to Chapter 7 Wiring Data.

2.2.2.2 +5VDC Power FIP

BSD-ON:CH1.3, CH1.4, CH1.5

Procedure

Turn ON the Main Power Switch (to supply the main power). **Are the voltages between the LVPS N09A J501-1/2/3 (+) and the GND (-) +5V?**

Y N
|
Is the voltage between the LVPS N09A J19-1 and J19-2 200VAC/220VAC?

Y N
|
Go to 2.2.2.1 AC Power FIP.

Turn OFF the power and disconnect the LVPS N09A J501. After 15 s or longer has passed, turn ON the machine. **Are the voltages between the LVPS N09A P501-1/2/3 (+) and the GND (-) +5V?**

Y N
|
Replace the LVPS N09A. (PL 18.4)

Check the +5VDC circuit for a short circuit in the frame by referring to Chapter 7 Wiring Data.

Turn ON the power switch (to supply the power). **Are the voltages between the LVPS N09A J502-1/2 (+) and the GND (-) +5V?**

Y N
|
Are the voltages between the LVPS N09A J511-2 (+) and the GND (-) +3.3V?

Y N
|
Check the circuit to the LVPS N09A J511 pin-2.

Turn OFF the power and disconnect the LVPS N09A J502. After 15 s or longer has passed, turn ON the machine. **Are the voltages between the LVPS N09A P502-1/2 (+) and the GND (-) +5V?**

Y N
|
Replace the LVPS N09A. (PL 18.4)

Check the +5VDC_SQ circuit for a short circuit in the frame by referring to Chapter 7 Wiring Data.

Are the voltages between the LVPS N09A J502-3/4/5 (+) and the GND (-) +5V?

Y N
|
Are the voltages between the LVPS N09A J511-4 (+) and the GND (-) +3.3V?

Y N
|
Check the circuit to the LVPS N09A J511 pin-4.

Turn OFF the power and disconnect the LVPS N09A J502. After 15 s or longer has passed, turn ON the machine. **Are the voltages between the LVPS N09A P502-3/4/5 (+) and the GND (-) +5V?**

Y N
|
Replace the LVPS N09A. (PL 18.4)

Check the +5VDC_IOT circuit for a short circuit in the frame by referring to Chapter 7 Wiring Data.

Check the circuit to the applicable component for an open circuit or poor contact by referring to Chapter 7 Wiring Data.

2.2.2.3 +24VDC Power FIP (IOT)

BSD-ON:CH1.3, CH1.6, CH1.4, CH1.7

Procedure

Turn ON the Main Power Switch (to supply the main power). **Are the voltages between the LVPS N09A J501-1 (+) and the GND (-) +5V?**

Y N
Go to 2.2.2.2 +5VDC Power FIP.

Turn ON the power switch (to supply the power). **Are the voltages between the LVPS N09A J503-1/2, J512-2/4 (+) and the GND (-) +24V?**

Y N
Are the voltages between the LVPS N09A J511-2 (+) and the GND (-) +3.3V?

Y N
Check the circuit to the LVPS N09A J511 pin-2.

Turn OFF the power and disconnect the LVPS N09A J503 and J512. After 15 s or longer has passed, turn ON the machine. **Are the voltages between the LVPS N09A P503-1/2, P512-2/4 (+) and the GND (-) +24V?**

Y N
Replace the LVPS N09A. (PL 18.4)

Check the +24VDC_SQ circuit for a short circuit in the frame by referring to Chapter 7 Wiring Data.

Are the voltages between the LVPS N09A J509-1/2/3 (+) and the GND (-) +24V?

Y N
Are the voltages between the LVPS N09A J511-3 (+) and the GND (-) +3.3V?

Y N
Check the circuit to the LVPS N09A J511 pin-3.

Turn OFF the power and disconnect the LVPS N09A J509. After 15 s or longer has passed, turn ON the machine. **Are the voltages between the LVPS N09A P509-1/2/3 (+) and the GND (-) +24V?**

Y N
Replace the LVPS N09A. (PL 18.4)

Check the +24VDC_C13 circuit for a short circuit in the frame by referring to Chapter 7 Wiring Data.

Check the circuit to the applicable component for an open circuit or poor contact by referring to Chapter 7 Wiring Data.

2.2.2.4 +24VDC Power FIP (IIT)

BSD-ON:CH1.3, CH1.8, CH1.9

Procedure

Turn ON the Main Power Switch (to supply the main power). **Are the voltages between the LVPS N09A J501-1 (+) and the GND (-) +5V?**

Y N
Go to 2.2.2.2 +5VDC Power FIP.

Turn ON the power switch (to supply the power). **Are the voltages between the IIT LVPS CC3 J504-3, J505-1/2 (+) and the GND (-) +24VDC?**

Y N
Is the voltage between the IIT LVPS CC3 J506-1 (+) and the GND (-) +5VDC?

Y N
Check the circuit to the IIT LVPS CC3 J506 pin-1.

A B

B

Is the voltage between the IIT LVPS CC3 J506-3 (+) and the GND (-) +3.3VDC?

Y N
Check the circuit to the IIT LVPS CC3 J506 pin-3.

Turn OFF the power and disconnect the IIT LVPS CC3 J504 and J505. After 15 s or longer has passed, turn ON the machine. **Are the voltages between the IIT LVPS CC3 P504-3, P505-1/2 (+) and the GND (-) +24VDC?**

Y N
Replace the IIT LVPS CC3. (PL 18.4)

Check the +24VDC_SQ circuit for a short circuit in the frame by referring to Chapter 7 Wiring Data.

Check the circuit to the applicable component for an open circuit or poor contact by referring to Chapter 7 Wiring Data.

2.2.3.1 Reflective Sensor Failure FIP

Procedure

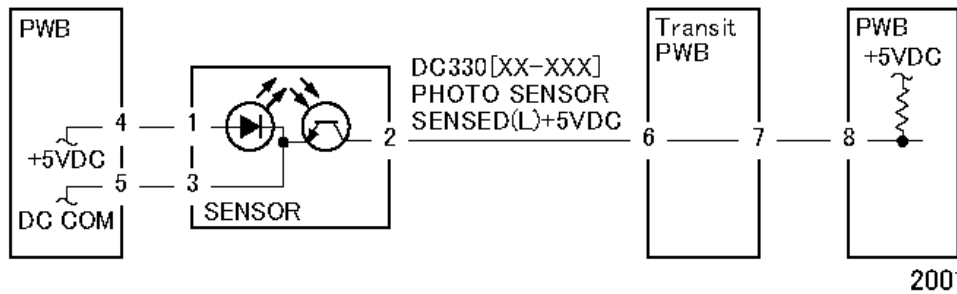


Figure 1 2001

Enter DC330[XXXX-XXX]. Block the sensor with a sheet of blank paper. Is [LOW] displayed?

- Y N
- Is +5VDC measured between the sensor pin-2 (+) and the GND (-)?
- Y N
- Check the connection between the sensor pin-2 and the PWB pin-8 for an open circuit and poor contact.
 - If no problem is found, replace the PWB.
- Is +5VDC measured between the sensor pin-1 (+) and pin-3 (-)?
- Y N
- Is +5VDC measured between the PWB pin-4 (+) and pin-5 (-)?
- Y N
- Replace the PWB.
- Check the connection between the PWB pin-4 and the sensor pin-1, as well as between the PWB pin-5 and the sensor pin-3 for open circuits and poor contacts.
- Check the sensor for contamination and improper installation.
- If no problems are found, replace the sensor.

Remove the sheet of paper blocking the sensor. Is [HIGH] displayed?

- Y N
- Disconnect the sensor connector. Does the display change to [HIGH]?
- Y N
- Check the connection between the sensor pin-2 and the PWB pin-8 for a short circuit.
 - If no problem is found, replace the PWB.
- Check the sensor for improper installation and incident light diffraction. If no problems are found, replace the sensor.

Check the installation of the sensor. If no problems are found, replace the sensor.

2.2.3.2 Permeable Sensor Failure FIP

Procedure

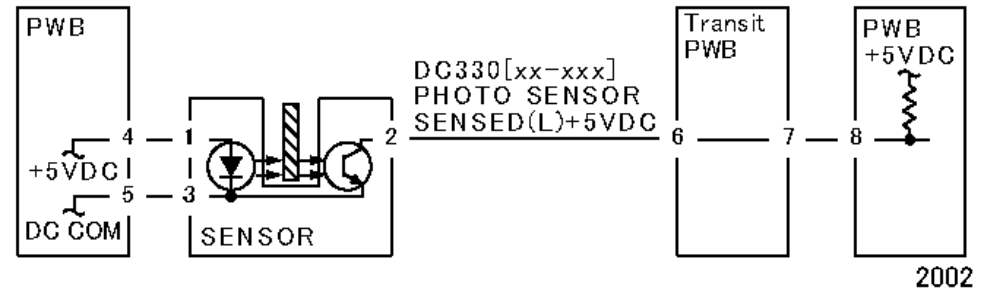


Figure 1 2002

Enter DC330[XXX-XXX]. Block the sensor. Is [HIGH] displayed?

- Y N
- Disconnect the sensor connector. Does the display change to [HIGH]?
- Y N
- Check the connection between the sensor pin-2 and the PWB pin-8 for a short circuit. If no problem is found, replace the PWB.
- Replace the sensor.

Remove any obstruction on the sensor light path. Does the display change to [LOW]?

- Y N
- Is +5VDC measured between the sensor pin-2 (+) and the GND (-)?
- Y N
- Check the connection between the sensor pin-2 and the PWB pin-8 for an open circuit and poor contact.
 - If no problem is found, replace the PWB.
- Is +5VDC measured between the sensor pin-1 (+) and pin-3 (-)?
- Y N
- Check the connection between the PWB pin-4 and the sensor pin-1, as well as between the PWB pin-5 and the sensor pin-3 for open circuits and poor contacts.
 - If no problem is found, replace the PWB.
- Check the sensor for contamination.
- If no problems are found, replace the sensor.

Check the sensor for improper installation and the Actuator for bending or failure.

If no problems are found, replace the sensor.

2.2.3.3 Switch (Normal/Open) Failure FIP

Procedure

Procedure

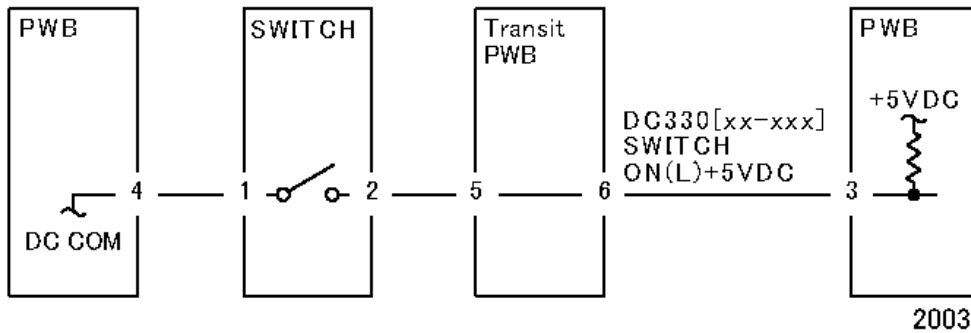


Figure 1 2003

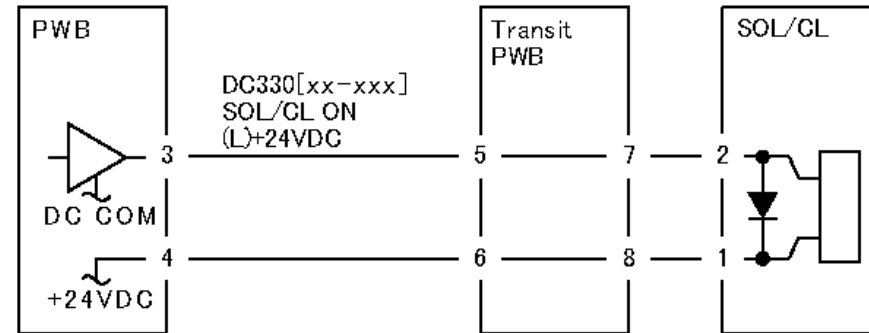


Figure 1 2004

Enter DC330[XXX-XXX]. Turn the switch ON. Is [LOW] displayed?

Y N
 Is +5VDC measured between the switch pin-2 (+) and the GND (-) ?
 Y N
 Check the connection between the switch pin-2 and the PWB pin-3 for an open circuit and poor contact.
 If no problem is found, replace the PWB.
 Is +5VDC measured between the switch pin-1 (+) and the GND (-) ?
 Y N
 Replace the switch.
 Check the connection between the switch pin-1 and the PWB pin-4 for an open circuit and poor contact.
 If no problem is found, replace the PWB.

Turn the switch OFF. Is [HIGH] displayed?

Y N
 Disconnect the switch connector. Is [HIGH] displayed?
 Y N
 Check the connection between the switch pin-2 and the PWB pin-3 for a short circuit.
 If no problem is found, replace the PWB.
 Replace the switch.

Check the installation of the switch.
 If no problems are found, replace the switch.

2.2.3.4 Solenoid/Clutch Not Energized Failure FIP

NOTE: Before performing this FIP, ensure that there is no (mechanical) operation failure with the solenoid and the clutch.

Enter DC330[XXX-XXX] and turn it ON. Is +24VDC measured between the PWB pin-3 (+) and the GND (-)?

Y N
 Is +24VDC measured between the solenoid/clutch pin-2 (+) and the GND (-) ?
 Y N
 Is +24VDC measured between the solenoid/clutch pin-1 (+) and the GND (-) ?
 Y N
 Check the connection between the PWB pin-4 and the solenoid/clutch pin-1 for an open circuit and poor contact.
 If no problem is found, replace the PWB.
 Replace the solenoid/clutch.
 Check the connection between the PWB pin-3 and the solenoid/clutch pin-2 for an open circuit and poor contact.

Replace the PWB.

2.2.3.5 Solenoid/Clutch Left Energized Failure FIP

2004

Procedure

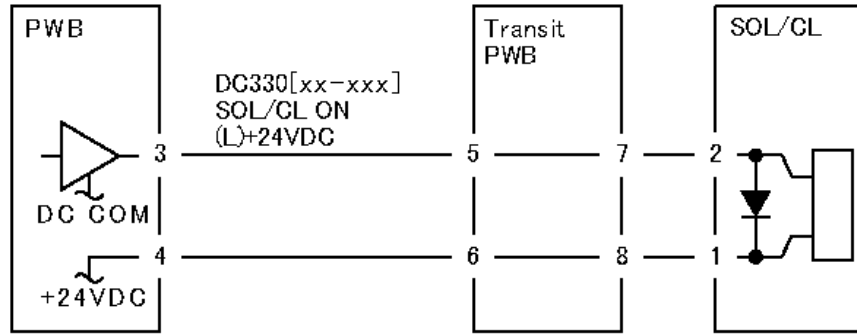


Figure 1 2004

2004

Turn OFF the power.

Disconnect the PWB connector. Is the resistance between the connector pin-3 and the frame 100hm or less?

Y N
Replace the PWB.

Check the connection between the connector pin-3 and the solenoid/clutch pin-2 for a short circuit. If no problems are found, replace the solenoid/clutch.

2.2.3.6 Motor Does Not Rotate Failure FIP

Procedure

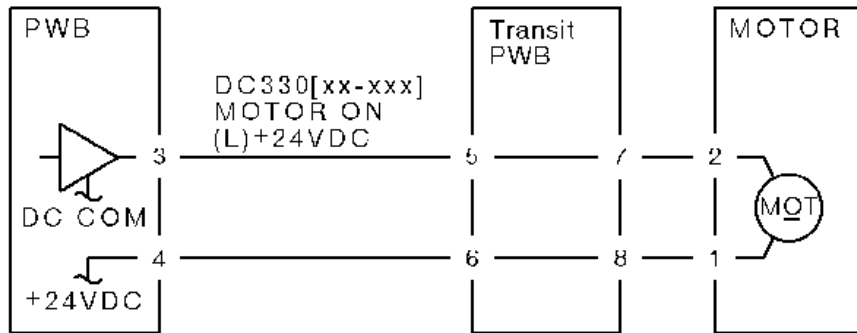


Figure 1 2005

2005

NOTE: Before performing this FIP, ensure that the motor is not locked or loaded.

Enter DC330[XXX-XXX] and turn it ON.

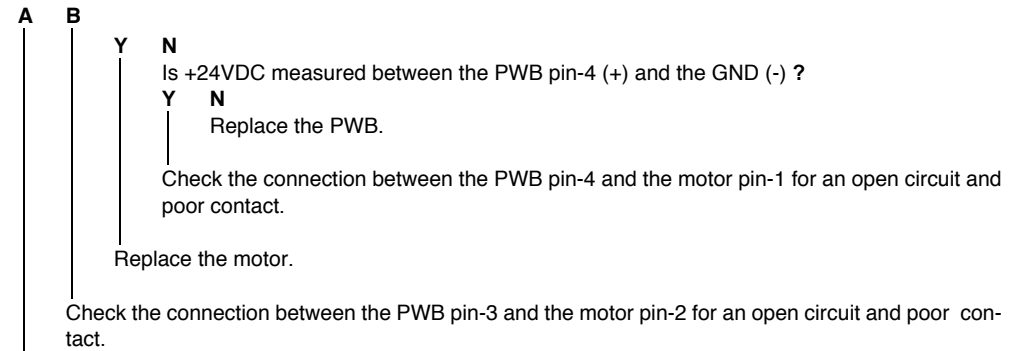
Is +24VDC measured between the PWB pin-3 (+) and the GND (-) ?

Y N
Is +24VDC measured between the motor pin-2 (+) and the GND (-) ?

Y N
Is +24VDC measured between the motor pin-1 (+) and the GND (-) ?

A B
Ver.1.1

02/2013
2-145



Replace the PWB.

2.2.3.7 Motor Left Running Failure FIP

Procedure

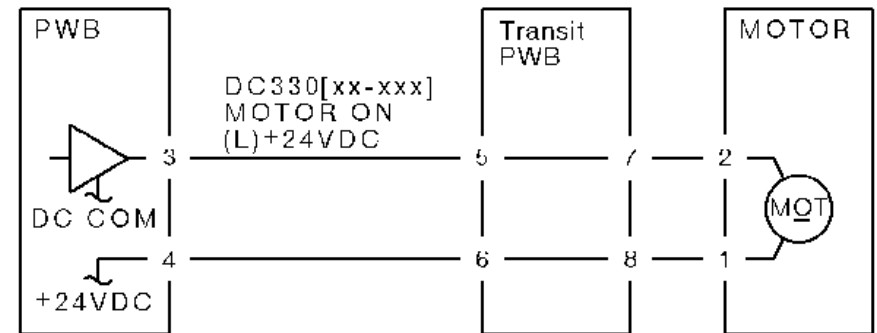


Figure 1 2005

2005

Turn OFF the power. Disconnect the PWB connector. Is the resistance between the connector pin-3 and the frame 100hm or less?

Y N
Replace the PWB.

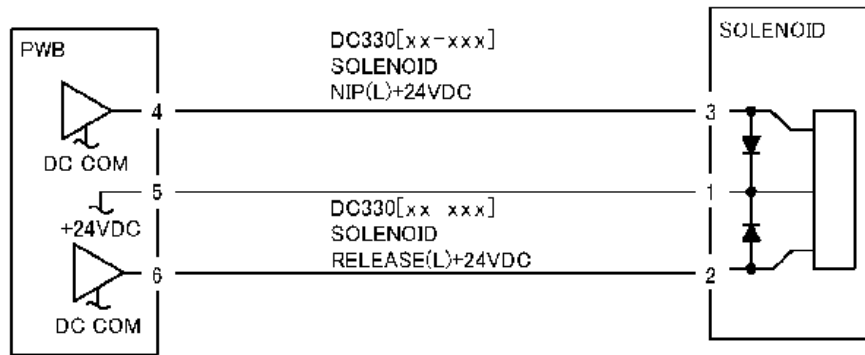
Check the connection between the connector pin-3 and the motor pin-2 for a short circuit. If no problems are found, replace the motor.

2.2.3.8 NIP/RELEASE SOLENOID Not Energized Failure FIP

Procedure

A Check the connection between the PWB pin-6 and the NIP/RELEASE SOLENOID pin-2 for an open circuit and poor contact.

B Replace the PWB.



2017

Figure 1 2017

NOTE: Before performing this FIP, ensure that there is no (mechanical) operation failure with the solenoid.

Is +24VDC measured between the NIP/RELEASE SOLENOID pin-1 (+) and the GND (-)?

Y N

Is +24VDC measured between the PWB pin-5 (+) and the GND (-)?

Y N

Check the +24VDC inputs of the PWB. If no problem is found, replace the PWB.

Check the connection between the PWB pin-5 and the NIP/RELEASE SOLENOID pin-1 for an open circuit and poor contact.

Use the following FIP when there is a problem with the NIP.

Enter DC330[XXX-XXX] and turn the SOL NIP ON. Is +24VDC measured between the PWB pin-4 (+) and the GND (-)?

Y N

Enter DC330[XXX-XXX] and turn the SOL NIP ON. Is +24VDC measured between the NIP/RELEASE SOLENOID pin-3 (+) and the GND (-)?

Y N

Replace the NIP/RELEASE SOLENOID.

Check the connection between the PWB pin-4 and the NIP/RELEASE SOLENOID pin-3 for an open circuit and poor contact.

Use the following FIP when there is a problem with the RELEASE.

Enter DC330[XXX-XXX] and turn the SOL RELEASE ON. Is +24VDC measured between the PWB pin-6 (+) and the GND (-)?

Y N

Enter DC330[XXX-XXX] and turn the SOL RELEASE ON. Is +24VDC measured between the NIP/RELEASE SOLENOID pin-2 (+) and the GND (-)?

Y N

Replace the NIP/RELEASE SOLENOID.

A B

CF-001 DADF Sensor Static Jam

BSD-ON:CH5.4, CH5.5, CH5.6, CH5.7, CH5.10

When the power was turned ON, the Feeder Cover Interlock was closed, or when the Platen Interlock was closed, the DADF Sensor detected paper.

- 005-906: DADF Feed Sensor
- 005-907: DADF Pre Regi Sensor
- 005-908: DADF Regi Sensor
- 005-909: DADF Lead Regi Sensor
- 005-910: DADF Out Sensor
- 005-911: DADF Exit Sensor
- 005-914: DADF No.1/2/3 APS Sensor

Cause/Action

1. Check the applicable sensor for remaining paper bits, foreign substances, contamination on sensor, and etc.
2. Check the applicable sensor for operation failure.
 - DADF Feed Sensor (DC330 [005-204]) (PL 54.17)
 - DADF Pre Regi Sensor (DC330 [005-206]) (PL 54.17)
 - DADF Regi Sensor (DC330 [005-110]) (PL 54.25)
 - DADF Lead Regi Sensor (DC330 [005-207]) (PL 54.8)
 - DADF Out Sensor (DC330 [005-208]) (PL 54.22)
 - DADF Exit Sensor (DC330 [005-209]) (PL 54.23)
 - DADF No. 1/2/3 APS Sensor (DC330 [005-218/219/220]) (PL 54.17)
3. If no problem is found, replace the DADF PWB. (PL 54.3)

CF-002 Toner Empty/Pre Near Empty/Near Empty

BSD-ON:CH9.6

[024-923/924/925: Toner Empty (Y/M/C), 093-912: Toner Empty K]

The toner must to be replaced as it has ran out.

[093-407/408/409: Toner Pre Near Empty (Y/M/C)]

Preparation for replacing the Toner Cartridge is required.

[093-423/424/425: Toner Near Empty (Y/M/C)]

The Toner Cartridge needs to be replaced soon.

Cause/Action

[Toner Empty]

Replace the Toner Cartridge of the applicable color. (PL 8.1)

[Toner Pre Near Empty]

The Toner Cartridge of the applicable color needs to be replaced soon. Prepare a new Toner Cartridge. Replace the Toner Cartridge as required. (PL 8.1)

[Toner Near Empty]

The Toner Cartridge of the applicable color needs to be replaced soon. Replace the Toner Cartridge as required. (PL 8.1)

CF-003 Drum Motor Fail

BSD-ON:CH9.3, CH9.2

The Drum Motor revolution failure was detected. When the Lock Up signal (Drum Motor Fail signal) of the Motor Drive output was monitored at the specified time interval when a certain time has passed after the Drum Motor operation had started, it was found to have failed 5 times in a row.

- 042-320: Drum Motor Y Fail
- 042-321: Drum Motor M Fail
- 042-322: Drum Motor C Fail
- 042-323: Drum Motor K Fail

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Drum Motor of the applicable color for operation failure.
 - Drum Motor Y/M/C: DC330 [042-009] (PL 3.2)
 - Drum Motor K: DC330 [042-005] (PL 3.1)

NOTE: Before rotating the Drum Motor, retract the Transfer Module and pull out the IBT Module first. (Because the IBT Belt might get damaged otherwise)

- The Drum Motor for loading due to the Drum Cartridge of the applicable color.

If no problem is found, replace the following parts:

[042-320/321/322 (Drum Motor Y/M/C Fail)]

- Drum Motor Y, M, C PWB (PL 3.2)
- MCU PWB (PL 18.2)

[042-323 (Drum Motor K Fail)]

- MCU PWB (PL 18.2)

CF-004 CONTIF Error Fail

BSD-ON:CH6.10, CH6.11, CH6.12, CH6.13

Irregular output of Video Data from the Controller was detected.

- 045-360: CONTIF Error Y Fail
- 045-361: CONTIF Error M Fail
- 045-362: CONTIF Error C Fail
- 045-363: CONTIF Error K Fail

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. Check the connectors (P335/ J335, P391/ J391 and P425/ J425) between the ESS PWB, BP PWB, VSEL PWB, and MCU PWB for poor contacts.
3. If no problem is found, replace the following parts in sequence:
 - ESS PWB (PL 35.2)
 - MCU PWB (PL 18.2)

CF-005 IRECT Error Fail

BSD-ON:CH6.10, CH6.11, CH6.12, CH6.13

A memory error of the IRECT Module has occurred.

- 045-364: IRECT Error Y Fail
- 045-365: IRECT Error M Fail
- 045-366: IRECT Error C Fail
- 045-367: IRECT Error K Fail

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. Refer to the BSD of the applicable color and check the Flat Cable between the MCU PWB and the LDD PWB for open circuit, short circuit, and poor contact.
3. Perform DC675 Registration Control Setup Cycle.
4. If the problem persists, replace the following parts in sequence:
 - MCU PWB (PL 18.2)
 - ESS PWB (PL 35.2)

CF-006 IFM/ICM Cooling Fan Fail

BSD-ON:CH26.16, CH28.17, CH28.18

The Fan of the IFM or ICM is not rotating.

- 048-317: IFM/ICM Fan 5
- 048-318: IFM/ICM Fan 1/2
- 048-319: IFM/ICM Fan 3/4

Cause/Action

1. Check the applicable Fan for operation failure.
 - IFM/ICM Fan 5 (DC330 [048-042]) (PL 37.12, PL 38.12)
 - IFM/ICM Fan 1/2 (DC330 [048-016]) (PL 37.12, PL 38.12)
 - IFM/ICM Fan 3/4 (DC330 [048-017]) (PL 37.12, PL 38.12)
2. Check the applicable Fan for foreign substances.
3. If no problem is found, replace the IFM PWB or the ICM PWB. (PL 37.2, PL 38.2)

CF-007 IFM/ICM Sensor Static Jam

BSD-ON:CH26.11, CH26.15, CH28.11, CH28.16

When the power was turned ON or the start of the operation, the IFM or ICM Sensor detected paper.

- 048-900: Decurler In Sensor
- 048-901: IFM/ICM Exit Sensor

Cause/Action

1. Check the applicable sensor for remaining paper bits, foreign substances, contamination on sensor, and etc.
2. Check the applicable sensor for operation failure.
 - Decurler In Sensor (DC330 [048-102]) (PL 37.8, PL 38.8)
 - IFM/ICM Exit Sensor (DC330 [048-103]) (PL 37.11, PL 38.11)
3. If no problem is found, replace the IFM PWB or the ICM PWB. (PL 37.2, PL 38.2)

CF-008 HCS Fan Fail

BSD-ON:CH29.27

The Fan of the HCS is not rotating. Or, the Fan of the HCS did not start to rotate within the specified time after the paper output operation to the Stacker had started.

- 049-251: Paper Fan 1
- 049-252: Paper Fan 2
- 049-253: Upper Fan

Cause/Action

1. Check the applicable Fan for operation failure.
 - Paper Fan 1 (DC330 [049-237]) (PL 39.34)
 - Paper Fan 2 (DC330 [049-238]) (PL 39.34)
 - Upper Fan (DC330 [049-239]) (PL 39.37)
2. Check the applicable Fan for foreign substances.
3. If no problem is found, replace the following parts in sequence:
 - HCS PWB (PL 39.37)
 - HCS Drive PWB (PL 39.37)

CF-009 HCS Sensor Static Jam

BSD-ON:CH29.9, CH29.8, CH29.11, CH29.10, CH29.6, CH29.12

The HCS Sensor detected paper.

- 049-900: Top Tray Exit Sensor
- 049-901: Top Tray Path Sensor
- 049-902: Bypass Exit Sensor
- 049-903: Bypass Path Sensor 1
- 049-905: Stacker Path Sensor
- 049-907: Stacker Exit Sensor
- 049-908: Bypass Path Sensor 2

Cause/Action

1. Check the applicable sensor for remaining paper bits, foreign substances, contamination on sensor, and etc.
2. Check the applicable sensor for operation failure.
 - Top Tray Exit Sensor (DC330 [049-101]) (PL 39.18)
 - Top Tray Path Sensor (DC330 [049-102]) (PL 39.16)
 - Bypass Exit Sensor (DC330 [049-103]) (PL 39.21)
 - Bypass Path Sensor 1 (DC330 [049-104]) (PL 39.19)
 - Stacker Path Sensor (DC330 [049-105]) (PL 39.16)
 - Stacker Exit Sensor (DC330 [049-106]) (PL 39.27)
 - Bypass Path Sensor 2 (DC330 [049-107]) (PL 39.20)
3. If no problem is found, replace the HCS PWB. (PL 39.37)

CF-010 ROS Connect Fail

BSD-ON:CH6.10, CH6.11, CH6.12, CH6.13

Connection error between the LDD PWB (ROS Assy) and MCU PWB was detected.

- 061-326: ROS Connect Fail Y
- 061-327: ROS Connect Fail M
- 061-328: ROS Connect Fail C
- 061-329: ROS Connect Fail K

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

1. Turn the power OFF and ON.
2. Refer to the BSD and check the Flat Cable between the LDD PWB of the applicable color and the MCU PWB for open circuit, short circuit, and poor contact.
3. If no problem is found, replace the following parts in sequence:
 - MCU PWB (PL 18.2)
 - The ROS Assembly of the applicable color (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.1, REP 2.1.2)

CF-011 ROS LD Fail

BSD-ON:CH6.13, CH6.10, CH6.11, CH6.12

When the LD Alarm occurred, the LD deterioration was detected in the more than specified number of beams from among 32 beams.

- 061-340: ROS LD Fail K
- 061-341: ROS LD Fail Y
- 061-342: ROS LD Fail M
- 061-343: ROS LD Fail C

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Procedure

Enter the Diag and check the NVM of the applicable color.

- NVM [749-143] (LD Status when LD Alarm Y Occurs)
- NVM [749-144] (LD Status when LD Alarm M Occurs)
- NVM [749-145] (LD Status when LD Alarm C Occurs)
- NVM [749-146] (LD Status when LD Alarm K Occurs)

Is the display '4294967295'?

Y N

Replace the ROS Assembly of the applicable color. (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.1, REP 2.1.2)

Check the circuit of the Front Cover Interlock Switch for poor connection that may have caused chattering.

CF-012 ROS Data Fail

BSD-ON:CH6.10, CH6.11, CH6.12, CH6.13

Serial data (APC/Stitching control data) transfer failure to the ROS LD DRIVER IC has occurred.

- 061-380: ROS Data Y Fail
- 061-381: ROS Data M Fail
- 061-382: ROS Data C Fail
- 061-383: ROS Data K Fail

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Refer to the BSD and check the Flat Cable between the LDD PWB of the applicable color and the MCU PWB for open circuit, short circuit, and poor contact.

If no problem is found, replace the following parts in sequence:

- MCU PWB (PL 18.2)
- The ROS Assembly of the applicable color (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.1, REP 2.1.2)

- NVM PWB (PL 18.2)

CF-013 LD Alarm

BSD-ON:CH6.10, CH6.11, CH6.12, CH6.13

The LD deterioration was detected in one of 32 beams at the exposure process. (this Fail is a hidden failure and it is registered only in the History)

- 061-604: LD Alarm Y
- 061-605: LD Alarm M
- 061-606: LD Alarm C
- 061-607: LD Alarm K

Procedure

Enter the Diag and check the NVM of the applicable color.

- NVM [749-143] (LD Status when LD Alarm Y Occurs)
- NVM [749-144] (LD Status when LD Alarm M Occurs)
- NVM [749-145] (LD Status when LD Alarm C Occurs)
- NVM [749-146] (LD Status when LD Alarm K Occurs)

Is the display '4294967295'?

Y N

If the image quality is affected, replace the ROS Assembly of the applicable color. (PL 2.1)

NOTE: After replacing the ROS Assembly, register the number from the Bar Code Label into the NVM. (REP 2.1.1, REP 2.1.2)

Check the circuit of the Front Cover Interlock Switch for poor connection that may have caused chattering.

CF-014 RC Sample Block Fail-A1

BSD-ON:CH6.16, CH9.18

The MOB Sensor (In, Center, or Out) was unable to detect the fine-adjustment pattern correctly during fine adjustment. Or, during the A1 (fine adjustment pattern) and C patch detection, the patch at the MOB Sensor (In, Center, or Out) did not satisfy the defined number of valid sample blocks. This is a hidden failure. The Color Regi Spec cannot be guaranteed and Data is only recorded in history.)

- 089-601: RC Sample Block Fail-A1-In
- 089-602: RC Sample Block Fail-A1-Cnt
- 089-603: RC Sample Block Fail-A1-Out

NOTE: When multiple failures with Chain No. 089 (RegiCon) occur, refer to the Note in 089-600 FIP and take action starting with the Fail that is higher in the priority order.

Initial Actions

Check whether an IBT Drive Control related Fail (042-324, 042-326, 042-327, 042-600) has occurred.

- If it has, go to Step 1.
- If it has not, go to Step 2.

Procedure

- Step 1 -

Has an IBT Drive Control related Fail occurred?

Y N

Is the IBT Belt installed properly?

Y N

Install the IBT Belt properly. After the installation, perform DC675 Registration Control Setup Cycle.

Replace the IBT Belt (PL 6.3). After the replacement, perform DC675 Registration Control Setup Cycle.

Go to the appropriate FIP After the process has completed, perform DC675 Registration Control Setup Cycle.

- Step 2 -

Turn OFF the power and insert a sheet of blank paper between the MOB Sensor and the IBT Belt. Turn ON the power and perform Diag for the MOB Sensor where the Fail had occurred.

- MOB Sensor In: DC140 [089-200] (MOB Moni In A)

- MOB Sensor Center: DC140 [089-201] (MOB Moni Center A)
- MOB Sensor Out: DC140 [089-202] (MOB Moni Out A)

Is the analog monitor value 93 or less?

Y N

Press the Stop button. Refer to the BSD and check the applicable Sensor for operation failure (including wiring failure).

If no problem is found, replace the following parts in sequence: After the replacement, perform DC675 Registration Control Setup Cycle.

- MOB ADC Assembly (PL 18.3)
- MCU PWB (PL 18.2)

Press the Stop button. Turn ON DC330 [092-004] (ADC Shutter Open) and DC330 [092-005] (ADC Shutter Close) alternately. **Is the ADC Shutter operating properly?**

Y N

Go to 092-649 (ADC Shutter Open Fail) FIP or 092-650 (ADC Shutter Close Fail) FIP.

Press the Stop button and turn OFF the power. Remove each Drum Cartridge and the IBT Unit and reinstall them.

Turn ON the power and perform DC675 Registration Control - Setup Cycle.

If the problem persists, replace the MCU PWB (PL 18.2). After the replacement, perform DC675 Registration Control Setup Cycle.

CF-015 RC Sample Block Fail-B

BSD-ON:CH6.16, CH9.18

During the B (rough adjustment pattern) patch detection for each color, the patch at the MOB Sensor In (Rear side), Center, or Out (Front side) of the color where the Fail had occurred did not satisfy the defined number of valid sample blocks. This is a hidden failure. The Color Regi Spec cannot be guaranteed and Data is only recorded in history.)

- 089-604/607/610/613: RC Sample Block Fail-B-In (Y/M/C/K)
- 089-605/608/611/614: RC Sample Block Fail-B-Center (Y/M/C/K)
- 089-606/609/612/615: RC Sample Block Fail-B-Out (Y/M/C/K)

NOTE: When multiple failures with Chain No. 089 (RegiCon) occur, refer to the Note in 089-600 FIP and take action starting with the Fail that is higher in the priority order.

Initial Actions

- Check the IBT Belt around the Sensor area where Fail has occurred for scratches and distortion.
- Check for poor image quality (such as low density, roller marks, dark background, contamination, IBT Belt scratches, Magnet Roll scratches, and etc.).

Procedure

Turn OFF the power and insert a sheet of blank paper between the MOB Sensor and the IBT Belt. Turn ON the power and turn ON the Diag for the MOB Sensor where the Fail is occurring.

- MOB Sensor In: DC140 [089-200] (MOB Moni In A)
- MOB Sensor Center: DC140 [089-201] (MOB Moni Center A)

- MOB Sensor Out: DC140 [089-202] (MOB Moni Out A)

Is the analog monitor value 93 or less?

Y N

Press the Stop button. Refer to the BSD and check the applicable Sensor for operation failure (including wiring failure).

If no problem is found, replace the following parts in sequence: After the replacement, perform DC675 Registration Control Setup Cycle.

- MOB ADC Assembly (PL 18.3)
- MCU PWB (PL 18.2)

Press the Stop button. Turn ON DC330 [092-004] (ADC Shutter Open) and DC330 [092-005] (ADC Shutter Close) alternately. **Is the ADC Shutter operating properly?**

Y N

Go to 092-649 (ADC Shutter Open Fail) FIP or 092-650 (ADC Shutter Close Fail) FIP.

Press the Stop button and turn OFF the power. Remove the Drum Cartridge and the IBT Unit of the applicable color and reinstall them.

Turn ON the power and perform DC675 Registration Control - Setup Cycle. **Is an error displayed?**

Y N

End

Enter DC612 and output Test Pattern 10 (ProCon). Check the density of the applicable color.

NOTE: Check the sections other than the paper path at both sides of the Mag Roll because the distance between the Regi Control Patches in the In-Out direction (304 mm) exceeds the A4 L width (297 mm).

Is the density of the color normal?

Y N

Adjust the density of the applicable color.

Check the Mag Roll of the applicable color for scratches, foreign substances, and distortion. **Is the Mag Roll normal?**

Y N

Replace the Developer Housing Kit of the applicable color. (PL 8.6)

Refer to the BSD and check the connection between the MCU PWB J406 and the applicable sensor for open circuit, short circuit, and poor contact.

If no problem is found, replace the MOB ADC Assembly (PL 18.3) and perform DC675 Registration Control Setup Cycle. **Is an error displayed?**

Y N

End

Replace the MCU PWB (PL 18.2) and perform DC675 Registration Control Setup Cycle.

CF-016 MOB LED Fail

BSD-ON:CH6.16

During E Patch detection, the LED light amount correction at the MOB Sensor In (Rear side), Center, or Out (Front side) did not complete successfully. This is a hidden failure. The Color Regi Spec cannot be guaranteed and Data is only recorded in history.)

- 089-618: MOB LED Fail-In
- 089-619: MOB LED Fail-Center
- 089-620: MOB LED Fail-Out

NOTE: When multiple failures with Chain No. 089 (RegiCon) occur, refer to the Note in 089-600 FIP and take action starting with the Fail that is higher in the priority order.

Initial Actions

Remove the MOB ADC Assembly and check the MOB Sensor where the Fail had occurred for contamination. If it is contaminated, clean the MOB Sensor and, after the cleaning had completed, perform DC675 Registration Control Setup Cycle.

Procedure

Turn OFF the power and insert a sheet of blank paper between the MOB Sensor and the IBT Belt. Turn ON the power and turn ON the Diag for the MOB Sensor where the Fail is occurring.

- MOB Sensor In: DC140 [089-200] (MOB Moni In A)
- MOB Sensor Center: DC140 [089-201] (MOB Moni Center A)
- MOB Sensor Out: DC140 [089-202] (MOB Moni Out A)

Is the analog monitor value 93 or less?

Y N

Press the Stop button. Refer to the BSD and check the applicable Sensor for operation failure (including wiring failure).

If no problem is found, replace the following parts in sequence: After the replacement, perform DC675 Registration Control Setup Cycle.

- MOB ADC Assembly (PL 18.3)
- MCU PWB (PL 18.2)

Currently, this can be taken as working normally. If the error occurs again, replace the following parts in sequence:

- MOB ADC Assembly (PL 18.3)
- MCU PWB (PL 18.2)

CF-017 Drum Cartridge Life

BSD-ON:CH9.4, CH9.5

[091-401/411/421/431: Drum Cartridge Near Life (K/Y/M/C)]

The Drum Cartridge needs to be replaced soon.

[091-406/416/426/436: Drum Cartridge Pre Near Life (K/Y/M/C)]

Preparation for replacing the Drum Cartridge is required.

[091-913/932/933/934: Drum Cartridge Life End (K/Y/M/C)]

The Drum Cartridge must be replaced.

Cause/Action

[Drum Cartridge Near Life]

The Drum Cartridge of the applicable color needs to be replaced soon. Replace the Drum Cartridge as required. (PL 8.1)

[Drum Cartridge Pre Near Life]

The Drum Cartridge of the applicable color needs to be replaced soon. Prepare a new Drum Cartridge. Replace the Drum Cartridge of the applicable color as required. (PL 8.1)

[Drum Cartridge Life End]

Replace the Drum Cartridge of the applicable color. (PL 8.1)

CF-018 Drum CRUM Communication Fail

BSD-ON:CH9.4, CH9.5

Communication failure with Drum CRUM was detected.

- 091-914: Drum K CRUM Communication Fail
- 091-917: Drum Y CRUM Communication Fail
- 091-918: Drum M CRUM Communication Fail
- 091-919: Drum C CRUM Communication Fail

Cause/Action

1. Turn the power OFF and ON.
2. Turn OFF the power. Remove and reinstall the Drum Cartridge of the applicable color.

NOTE: If turning the power OFF and ON or removing and reinstalling the Drum Cartridge resolves the problem, it is highly probable that the MCU PWB had misdetected due to external noise abnormal or noise caused by electrical discharge in the machine. Check for any noise source around the machine and check for any abnormal electrical discharge, etc.

3. Check the connection between the Xero CRUM PWB of the applicable color and the MCU PWB J414 for open circuit, short circuit, and poor contact.
4. If no problem is found, replace the following parts in sequence:
 - The Drum Cartridge of the applicable color (PL 8.1)
 - The Xero CRUM PWB of the applicable color (PL 8.5)
 - MCU PWB (PL 18.2)

CF-019 Drum CRUM Data Fail

BSD-ON:CH9.4, CH9.5

[091-915/920/922/923: Drum CRUM Data Broken (K/Y/M/C)]

The system detected that the data written to the Drum CRUM and the data read from the Drum CRUM do not match.

[091-916/924/925/926: Drum CRUM Data Mismatch (K/Y/M/C)]

The authentication area data of Drum CRUM does not match.

Cause/Action

Remove and reinstall the Drum Cartridge of the applicable color and check for improper installation. If no problem is found, replace the Drum Cartridge. (PL 8.1)

CF-020 Drum CRUM Not Position

BSD-ON:CH9.4, CH9.5

The Drum CRUM is not in the proper position. (Loose CRUM)

- 091-921: Drum K CRUM Not Position
- 091-927: Drum Y CRUM Not Position
- 091-928: Drum M CRUM Not Position
- 091-929: Drum C CRUM Not Position

Cause/Action

1. Turn the power OFF and ON.
2. Remove and reinstall the Drum Cartridge of the applicable color.
3. Check whether the Drum Cartridge and the Xero CRUM of the applicable color are installed at the correct positions.
4. If no problem is found, replace the Drum Cartridge of the applicable color. (PL 8.1)

CF-021 Low TC Fail

BSD-ON:CH9.15, CH9.16

The Toner density in the Developer Housing Assy is abnormally low.

- 092-324: Low TC Y Fail
- 092-325: Low TC M Fail
- 092-326: Low TC C Fail
- 092-327: Low TC K Fail

NOTE: After repairing this, perform Tone Up (Adjust Toner Density) of DC991 MAX Setup to raise the TC closer to the ATC Target. (ADJ 18.1.14)

NOTE: This Fail is a Sub System failure and its occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Reserve Tank and the Developer Housing Assy delivery section of the applicable color for blockage.
- The Dispense Motor of the applicable color (DC330 [093-006/007/008/009] (Y/M/C/K)) for operation failure. (PL 8.4)
- The Low Toner Sensor of the applicable color (DC330 [093-200/201/202/203] (Y/M/C/K)) for operation failure. (PL 8.4)
- The Reserve Tank internal transportation material of the applicable color for damage.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- Low Toner Sensor PWB (PL 8.3)
- MCU PWB (PL 18.2)

CF-022 ATC Average/Amplitude Fail

BSD-ON:CH9.11, CH9.12, CH9.13, CH9.14, CH9.16

[092-653/654/655/656: ATC Average Fail (Y/M/C/K)]

The average output value of the applicable color is not within the specified range in the ATC (Automatic Toner Control) measurement. (this Fail is a hidden failure and it is registered only in the History)

[092-657/658/659/660: ATC Amplitude Fail (Y/M/C/K)]

The output deviation of the applicable color in the ATC (Automatic Toner Control) measurement is small. (this Fail is a hidden failure and it is registered only in the History)

Cause/Action

1. Install a Toner Cartridge of the applicable color that contains Toner. Copy a Test Chart (499T276), etc. and check whether the density has recovered.
2. Check whether any Toner has adhered to the facing section of the ATC Sensor of the applicable color.
3. Check the Dispense Motor of the applicable color (DC330 [093-006/007/008/009] (Y/M/C/K)) for operation failure. (PL 8.4)
4. Check the connection between the MCU PWB J414 and the ATC Sensor of the applicable color for open circuit, short circuit, and poor contact.
5. If no problem is found, replace the following parts in sequence:
 - The ATC Sensor of the applicable color (PL 8.6)

NOTE: When the ATC Sensor alone has been replaced, perform [DC950 ATC Sensor Setup] for the applicable color. (ADJ 18.1.12)

- MCU PWB (PL 18.2)

CF-023 Dispense Broken/Near Broken

BSD-ON:CH9.15, CH9.16

[093-314/315/316/317: Dispense Broken (Y/M/C/K)]

The system detected that the Dispenser is damaged.

[093-600/601/602/603: Dispense Near Broken (Y/M/C/K)]

The Dispenser may be damaged.

NOTE: Check the NVM value of the applicable color (NVM [762-316/317/318/319] (Dispense Status Y/M/C/K)). If the value is '3', make sure you set it to '0' before performing the repair. ('0', '1', and '2' are the values for normal)

NOTE: 093-314/315/316/317 are Sub System failures and their occurrence cuts off the +24VDC_C13. (Refer to BSD CH1.7)

Cause/Action

Check the following:

- The Low Toner Sensor of the applicable color (DC330 [093-200/201/202/203] (Y/M/C/K)) for operation failure. (PL 8.4)
- The Dispense Motor of the applicable color (DC330 [093-006/007/008/009] (Y/M/C/K)) for operation failure. (PL 8.4)
- The Low Toner Sensor of the applicable color for contamination.
- The Toner Dispense Housing of the applicable color for internal blockage, as well as the Agitator and Auger for damage and revolution failure.
- The Gear for wear and damage.

If no problem is found, replace the following parts in sequence:

- IOT PWB (PL 18.2)
- Low Toner Sensor PWB (PL 8.3)
- MCU PWB (PL 18.2)

CF-024 Toner CRUM Communication Fail

BSD-ON:CH9.6

Communication failure with Toner Cartridge CRUM was detected.

- 093-918: Toner CRUM Communication Fail K2
- 093-924: Toner CRUM Communication Fail K1
- 093-927: Toner CRUM Communication Fail Y
- 093-928: Toner CRUM Communication Fail M
- 093-929: Toner CRUM Communication Fail C

Cause/Action

1. Turn the power OFF and ON.

NOTE: If this resolves the problem, it is highly probable that the MCU PWB had misdetected due to external noise abnormal or noise caused by electrical discharge in the machine. Check for any noise source around the machine and check for any abnormal electrical discharge, etc.

2. Check the connection between the Toner Cartridge CRUM PWB of the applicable color and the MCU PWB J411 for open circuit, short circuit, and poor contact.
3. If no problem is found, replace the following parts in sequence:
 - The Toner Cartridge CRUM PWB of the applicable color (PL 8.3)
 - MCU PWB (PL 18.2)
 - The Toner Cartridge of the applicable color (PL 8.1)

CF-025 Toner CRUM Data Fail

BSD-ON:CH9.6

[093-925/933/934/935/936: Toner CRUM Data Broken Fail (K1/Y/M/C/K2)]

The system detected that the data written to the Toner Cartridge CRUM and the data read from the Toner Cartridge CRUM do not match.

[093-926/937/938/939/940: Toner CRUM Data Mismatch Fail (K1/Y/M/C/K2)]

The authentication area data of Toner Cartridge CRUM does not match.

Cause/Action

1. Turn the power OFF and ON.
2. Remove and reinstall the Toner Cartridge of the applicable color and check for improper installation.
3. If no problem is found, replace the Toner Cartridge of the applicable color. (PL 8.1)

OF-01 Common System Fail

The following describes the common procedures at System Fail or Sub System Fail, regardless of whether the power is turned ON or during job processing.

Initial Actions

Collect the detailed procedures below from the customer when a trouble occurred.

1. In which mode the problem occurred? (Copy/Scan/Print/Fax)
2. What job was performed when the problem occurred?
3. Check the job settings from the UI.
4. Check whether HDD spool is enabled/disabled.
5. Collect other information as much as possible to reproduce the error.

Procedure

1. If error was displayed during a service call, obtain the 'info9 or xxx.tgz' and 'Redir or xxx.tgz' files using the log tool. If no error was displayed, obtain the 'Redir or xxx.tgz' file using the log tool. (See 2.5.2 Logging Procedure)
2. [For machines installed with ESS Hardware Diagnostic only] Perform ESS Hardware Diagnostic. (See ESS Hardware Diagnostic Procedure)
3. Check the version of the Controller ROM. Download the latest version of the software if it is not. (See 2.6.1 Software Download) The download is not required if the Controller ROM version is already the latest. Proceed to step 4.
4. Turn the power OFF then ON.
If the problem persists after the power is turned OFF then ON, obtain the 'info9 or xxx.tgz' file using the log tool. (See 2.5.2 Logging Procedure.)
At this point, if the system starts by turning the power ON, obtain reports by referring to 2.7.1 List of Collected Reports by Job according to the job type 'Copy/Scan/Print/Others' in which the error occurs.
5. Turn the power OFF then ON by the Breaker (or by disconnecting then reconnecting the power plug).
If the problem persists after the power is turned OFF then ON, obtain the 'info9 or xxx.tgz' file using the log tool. (See 2.5.2 Logging Procedure.)
At this point, if the system starts by turning the power ON, obtain reports by referring to 2.7.1 List of Collected Reports by Job according to the job type 'Copy/Scan/Print/Others' in which the error occurs.
6. If the problem persists, check the installation status of the ESS PWB and (IISS PWB, IOT PWB, Monza PWB) connector cables to install them securely, then perform the same operation where the error occurred.
7. Turn the power OFF, remove and insert the ESS RAM DIMM, then turn the power ON again to perform the same operation where the error occurred.
If the problem persists, obtain the 'info9 or xxx.tgz' file log immediately after the error occurred without turning the power OFF/ON. (See 2.5.2 Logging Procedure.)
8. If the problem persists after turning the power ON, turn the power OFF and replace the RAM DIMM. After turning the power ON, perform the same operation where the error occurred.

9. If the problem persists, replace the ESS PWB and perform the same operation where the error occurred.
10. Return NVM(700-530) to 1.

If the system is not restored after the ESS PWB has been replaced, reinstall the original ESS PWB and contact Support G for instructions. Prepare the logs and the obtained reports as required to be sent to Support G.

OF-02 HDD System Fail

Always read the following three basic notes regarding the HDD in this machine model before servicing.

1. HDD Data
2. HDD Initialization
3. HDD Formatting

After reading the basic notes, proceed with the service operations.

1. HDD Data

Description by HDD partition

Table 1

Partition No.	Volume	Purpose of Use/Type	Stored Data
1	ide0a	Resource	Font, Form/Logo, SMB Folder (Config. txt, driver), Job Template
2	ide0b	Print	EPC Print Temporary Data
3	ide0c	Mailbox	Extended Mailbox, Scan, Internet FAX, FAX, Report, Secure Print, Sample Print, Delay Print
4	ide0d	PDL	PDL, MailIO Temporary, Spool Area
5	ide0e	Copy	EPC Copy Temporary Data
6	ide0f	Scan	Scan To FTP, Scan To SMB, Send Internet FAX, Send Mail, JFS Temporary Data
7	ide0g	DOMS(/XDOD)	DOMS Scan Data XDOD FTP Data
8	ide0h	Management Information	Management Information (PFlite User Document Store) Job Recovery Data, Job Flow, Job Log, Failure Log, Audit Log, Device Certificate

2. HDD Initialization

The HDD can be initialized in the Diag. mode and KO Tools, by special booting, and by turning the M/C OFF then ON.

Initialization means the logical formatting for changing a partition size. Initializing the HDD will delete all data in the HDD. Even if only one partition size is changed, the data in all partitions will be deleted.

Table 2 HDD Initialization Method

Partition No.	Data Clear Method			
	Diag.	KO Tools	Special Booting	M/C power OFF/ON
1	○	○	○	-
2	○	-	○	○
3	○	-	○	-
4	○	-	○	-
5	○	-	○	○
6	○	-	○	-
7	○	-	○	-
8	○	-	○	-

3. HDD Formatting

Forcedly re-formatting the HDD by special booting will forcedly return the partition status to the factory setting.

Formatting will delete all the data in the HDD.

HDD failures might be recovered by re-formatting.

Procedure

- Pull out the HDD harness and insert it again to check the installation of the HDD and install it securely.
Perform Steps (1) to (7) in OF-01 Common System Fail.
If the problem persists, go to the next step.
- If the problem persists, perform the forced initialization by special booting.
 - Startup by Forced Spool Area (HDD) Initialization
It is the operation to forcedly clear the HDD when the machine is started up.
[Operation or Details]
 - For printers, turning the power ON while pressing the [Power Saver] and 'downwards arrow' keys at the same time initializes the data stored in the HDD Partition No. 4.
 - For MF machines, this is done by turning the power ON while pressing the [Power Saver] key, [Stop] key and [6] key.
 - Initialization by special booting in 2. targets only on the previously specified area in the HDD partition and does not affect the other areas.
Here, perform the same operation where the error occurred.
- If the problem persists, perform the forced formatting by special booting.
 - Starting the forced HDD formatting (this procedure should be hidden from users)
This operation forcedly restores the HDD to the partition status at factory settings.

- For printer machines, HDD formatting is performed by turning the power ON while pressing the [Power Saver] key, 'upwards arrow' key and 'downwards arrow' key at the same time.
- For MF machines, HDD formatting is performed by turning the power ON while pressing the [Power Saver] key, [Stop] key and [4] key.

Here, perform the same operation where the error occurred.

- If the problem persists, replace the HDD and perform the same operation where the error occurred.
- If the problem persists, replace the ESS PWB and perform the same operation where the error occurred.
- Return NVM(700-530) that has been set in Step (1) to 1.
- Upgrade the IOT Firm ware.

(To store the firm Ware in HDD for back-up/Restore.)

If the system is not restored after the ESS PWB has been replaced, reinstall the original ESS PWB and contact Support G for instructions. Prepare the logs and the obtained reports as required to be sent to Support G. (See 2.5.2 Logging Procedure.)

OF-03 NET/USB System Fail

Perform the following steps.

Procedure

- Check if the Controller ROM is the latest version.
If it is not the latest, ensure to upgrade the software. (See 2.6.1 Software Download.)
- Obtain logs using the log tool 'Redir or xxx.tgz'. (See 2.5.2 Logging Procedure.)
- Change the system data 700-530 to '0' and disable the automatic startup boot operation at System-Fail.
If the problem persists after the same operation where the error has occurred is performed, obtain reports by referring to 2.7.1 List of Collected Reports by Job according to the Printer job type to be reproduced and then perform Step (4) onwards.
- Check the connection between the ESS PWB and the Net to install them securely, then turn the power ON.
Specially check for faulty ports or Net connection. Check which of the following ports is faulty.
 - SNTP
 - NetWare
 - Salutation IO
 - SMB
 - Port 9100
 - USB
 - lpd
 - FTP Serv
 - MailIO
 - IPP

After checking, perform the same operation where the error occurred. If the problem persists, obtain the 'info9 or xxx.tgz' log using the log tool. (See 2.5.2 Logging Procedure.)
- If the problem persists, reinstall or replace the RAM DIMM and then turn the power ON.
Perform the same operation where the error occurred.

6. If the problem persists, replace the ESS PWB since it may be faulty.
Perform the same operation where the error occurred.
7. If the system is not restored after the ESS PWB has been replaced, reinstall the original ESS PWB and contact Support G for instructions. Prepare the logs as required to be sent to Support G. (See 2.5.2 Logging Procedure.)
8. Return the set NVM(700-530) to 1.
Also, proceed with the following to collect the data recorded in each item.
 - 2.4.2 'Cannot connect to the network' or 'Printer is not found on PC'
 - 2.4.3 'No output is available, no data is printed'

OF-04 Panel System Fail

Procedure

Check the installation status of the ESS PWB and Panel connector cables and install the Monza PWB (if installed) securely, and then perform the same operation where the error occurred.

If the problem persists, perform the procedures in 'OF-01 Common System Fail'. (Do not replace the ESS PWB at this step.)

If the problem persists after the above actions, replace the Monza PWB.

If the problem persists after the above actions, replace the ESS PWB.

If the system is not restored after the ESS PWB and Monza PWB have been replaced, reinstall the original ESS PWB and Monza PWB and contact Support G for instructions.

Prepare the logs as required to be sent to Support G. (See 2.5.2 Logging Procedure.)

OF-05 IIT System Fail

Procedure

[For machines installed with ESS Hardware Diagnostic/IIT Diagnostic only]

- Perform ESS Hardware Diagnostic. (See ESS Hardware Diagnostic Procedure)
- Perform IIT Diagnostic. (See IIT Diagnostic Procedure)

Check the installation status of the ESS PWB and IISS PWB connector cables to install them securely.

Check the installation status of the parts in the ESS PWB to install them securely.

After that, perform the same operation where the error occurred.

1. If the problem persists, perform the procedures in 'OF-01 Common System Fail'. (Do not replace the ESS PWB at this step.)
2. If the problem persists after the above actions, replace the IISS PWB.
3. If problem persists after the actions, replace the ESS PWB.

If the system is not restored after the ESS PWB and IISS PWB have been replaced, reinstall the original ESS PWB and IISS PWB and contact Support G for instructions.

Prepare the logs as required to be sent to Support G. (See 2.5.2 Logging Procedure.)

OF-06 IOT System Fail

Procedure

[For machines installed with ESS Hardware Diagnostic/IIT Diagnostic only]

- Perform ESS Hardware Diagnostic. (See ESS Hardware Diagnostic Procedure)
- Perform IIT Diagnostic. (See IIT Diagnostic Procedure)

Check the installation status of the ESS PWB and IOT PWB connector cables to install them securely, then check that the installation status of the parts in the IOT PWB and ensure that they are securely installed.

After that, perform the same operation where the error occurred.

1. If the problem persists, perform the procedures in 'OF-01 Common System Fail'. (Do not replace the ESS PWB at this step.)
2. If the problem persists and it is related to the Net such as Scanner/Printer, proceed to collect data.
 - 2.4.4 Printing can be performed but abnormally
3. If the problem persists, replace the IOT PWB.
4. If the above action does not resolve the problem, replace the ESS PWB. (Replace the IOT PWB first and then the ESS PWB.)

If the system is not restored after the ESS PWB and IOT PWB have been replaced, reinstall the original ESS PWB and IOT PWB and contact Support G for instructions.

Prepare the logs as required to be sent to Support G. (See 2.5.2 Logging Procedure.)

OF-07 FAX System Fail

Initial Actions

[Items to be asked to customer during visits]

1. Get the procedures for reproducing an error, according to the operations performed where the error occurred.
2. Check the job type: Send Mail, Receive Mail, Broadcast Send, Polling, or Mailbox Receipt.
3. Check the job settings from the Panel.
4. Check whether it is Speed Dial or Keypad Dial.
5. Check which function was used: G3 or G4.

Collect other procedures as much as possible to reproduce the error.

Procedure

After checking, perform the following in sequence.

- Mechanical Check
 - Check that the internal parts (Fax Mother PWB/G3 Option PWB/G4 Option PWB/G3 Main PWB) of the Fax Card are properly installed.
- Check the communication related parts.
 - Check the communication related parts by following the procedures below:
 1. Seeing '2.7.1 List of Collected Reports by Job' obtain Fax-related reports (Protocol Monitor, Activity Report, User Options List, Expanded Functions List and Job History Report).
Depending on the situation, such as in the cases of Broadcast Send or Mailbox Receipt, obtain the Speed Dial list or Stored Document list.
 2. Check whether or not the Controller ROM and FaxCard ROM are the latest versions.
If they are not the latest, upgrade them to the latest by referring to '2.6.1 Software Download'.
If the Controller ROM and FaxCard ROM are the latest versions, there is no need to download them.
 3. After that, perform the same operation where the error occurred. If the problem persists, replace the USB cable.
 4. Obtain the 'info9 or xxx.tgz' and 'Redir or xxx.tgz' files using the log tool immediately after the error has occurred. (See 2.5.2 Logging Procedure)
 5. Replace the FaxCard and perform the same operation where the error occurred.

If the problem persists, reinstall the FaxCard to the original position and contact Support G for instructions.

Prepare the logs as required to be sent to Support G. (See 2.5.2 Logging Procedure.)

OF-08 116-324 Fail**Procedure**

Perform the following steps.

1. Corrective actions when the problem occurred at power ON
 - (1) Check whether the error persists after returning from power saver mode and take a note on the result, and then perform Steps (1) to (7) in 'OF-01 Common System Fail'. (No reports can be obtained during this failure.)
 - (2) If the problem persists, prepare for the recovery operation since the system may be recovered by the procedures in 'OF-02 HDD System Fail'.
Check with the customer whether important data is stored in the HDD.
 - (3) If no important data is stored in the HDD, perform the procedures in 'OF-02 HDD System Fail'.
If the problem persists, reinstall the HDD that has been removed.
 - (4) If important data is stored in the HDD, replace it with the HDD you brought and turn the power OFF then ON. (If you have brought a HDD.)
If the problem persists, reinstall the HDD and replace the ESS PWB.
 - (5) Since the ESS PWB failure rarely occurs in 116-234, contact Support G for instructions.
2. Corrective actions when the error occurred at other than power ON
 - (1) Get the procedures for reproducing an error as follows, according to the operations performed where the error occurred.
 - Obtain the job type: Copy, Scan, or Print.
 - Check the job settings from the Panel.
 - Check whether HDD spool enabled/disabled.
 - Collect other information as much as possible to reproduce the error.
 - (2) Obtain the Function Setting List, Error History Report, Job History Report, and Shutdown History Report.
 - (3) Perform Steps (1) to (6) in OF-01 Common System Fail.
(Obtain both the reports and logs since both can be obtained.)
Check if any log has been obtained at this point. If no logs have been obtained, obtain the logs when reproducing the error.
 - (4) If the problem persists and it is related to the Net such as Scanner/Printer, proceed to the following for checking.
 - 2.4.2 'Cannot connect to the network' or 'Printer is not found on PC'
 - 2.4.3 'No output is available, no data is printed'
 - (5) Since the ESS PWB failure rarely occurs in 116-234, contact Support G for instructions.

Prepare the logs ([Redir or xxx.tgz] & [info9 or xxx.tgz]) as required to be sent to Support G. (See 2.5.2 Logging Procedure.)

OF-09 Common Job Fail**Procedure**

1. Obtain reports by referring to '2.7.1 List of Collected Reports by Job' according to the job type 'Copy/Scan/Print/Others' in which the error occurs.
2. Change any possible mechanical settings for corrective actions or detection conditions and repeat the operation.

3. Check if the Controller ROM is the latest version.
If it is not the latest, ensure to upgrade the software. (See 2.6.1 Software Download.)
4. Get the procedures for reproducing an error, according to the operations performed where the error occurred.
 - Check the exact occurrence timing during job execution.
 - Check the job settings from the Panel.
 - Is HDD spool enabled/disabled?
 - Collect other information as much as possible to reproduce the error.
5. Obtain logs immediately after the error has occurred without turning the power OFF/ON. (See 2.5.2 Logging Procedure.)
Since the ESS PWB failure rarely occurs, contact Support G for instructions.

OF-10 HDD Job Fail**Procedure**

1. Perform the procedures in OF-09 Common Job Fail.
2. If the problem persists, perform the procedures in 'OF-02 HDD System Fail'.
If the system is not recovered, contact Support G for instructions.

Prepare the logs ([Redir or xxx.tgz] & [info9 or xxx.tgz]) as required to be sent to Support G. (See 2.5.2 Logging Procedure.)

OF-11 FAX Job Fail**Initial Actions**

[Items to be asked to customer during visits]

1. Get the procedures for reproducing an error, according to the operations performed where the error occurred.
2. Check the job type: Send Mail, Receive Mail, Broadcast Send, Polling, or Mailbox Receipt.
3. Check the job settings from the Panel.
4. Check whether it is Speed Dial or Keypad Dial.
5. Check which function was used: G3 or G4.
6. [FX Only] Check which setting is being made if the EP-TRESS is in the remote maintenance.
Collect other procedures as much as possible to reproduce the error.

Procedure

After checking, perform the following in sequence.

- Mechanical Check
Check that the internal parts (Fax Mother PWB/G3 Option PWB/G4 Option PWB/G3 Main PWB) of the Fax Card are properly installed.
- Check the communication related parts.
Check the communication related parts by following the procedures below:
 1. Obtain reports by referring to '2.7.1 List of Collected Reports by Job' according to the job type 'Send Mail, Receive Mail, Broadcast Send, Polling, or Mailbox Receipt' in which the error occurs.
Protocol Monitor, Activity Report, User Options List, Expanded Functions List and Job History Report are required

2. The Fax JobFail occurs due to the remote machines and line status.
Check the remote machine and line status and then repeat the operation.
 3. If the error occurs frequently, take notes on the exact occurrence timings during job execution.
Obtain logs immediately after the error has occurred without turning the power OFF/ON. (See 2.5.2 Logging Procedure.)
- Replace the FaxCard. If the problem persists after replacement, reinstall the FaxCard to the original position and contact Support G for instructions.

OF-12 033-363 Fail

Procedure

This is a failure due to the FaxCard or Controller software error.

1. Collect the logs in 'Redir or xxx.tgz' even when no error is being displayed when visiting. (See 2.5.2 Logging Procedure.)
2. Perform Steps (1) to (3) in OF-07 FAX System Fail (it is not required to replace the FaxCard).
3. If the problem persists, set NVM700-530 to '0' and disable the automatic startup boot operation, then obtain the [info9 or xxx.tgz] log immediately after the error has occurred without turning the power OFF. (See 2.5.2 Logging Procedure.)
4. Turn the power OFF then ON and collect logs using the Log 'info9 or xxx.tgz' command in the log tool after the Fax icon is displayed. Power OFF and ON is required because the log cannot be obtained as the FaxCard does not respond when in 033-363 state.
5. Contact Support G for instructions (send the obtained logs as required.)

Turn the power OFF then ON, and then collect logs using the FaxDCardLog command after the Fax icon is displayed.

It is necessary to turn the power OFF then ON because the FaxCard does not respond when 033-363 has occurred and no logs can be collected.

If 033-363 occurred multiple times in the past (you can use Shut Down History Report to check it) and the HDD is installed, logs are stored on the HDD. Obtain a log in the event of 033-363, following the procedure below.

From Debug Serial Tool, enter 'PfShowInfoRedirFile'. The following appears.

```
-----from here-----
size      date      time      name
-----
 512 APR-08-2004 09:01:42 .      <DIR>
 512 APR-08-2004 09:01:42 ..     <DIR>
63903 APR-08-2004 20:48:04 1.txt
63903 APR-17-2004 20:48:04 2.txt
```

value = 0 = 0x0

-----to here-----

Obtain a file of the same date as the date and time 33-363 occurred.

E.g.: If the shut down history shows that 33-363 occurred April 17 20:48, the 2.txt file is appropriate.

To display the 2.txt file,

Enter > PfShowInfoRedirFile 2.

The 2.txt log starts appearing. Obtain this.

OF-13 016-782 / 016-784 Fail

Procedure

Perform the following procedures:

1. Since EUC codes (Japanese) are not available in the current specifications, replace it to English.
2. Register a job flow from EasyAdmin.

This enables the host names with EUC codes (Japanese) to be transferred.

3. Check [Server Name/IP Address] with the Address List.
 - WinNT 4.0: If IP address is specified, SMB transfer to WinNT 4.0 becomes unavailable.
Change [Server Name/IP Address] to a host name.
 - WinXP: Even if IP address is specified, SMB transfer is available.
4. Perform the following procedures to check for the failure where SMB transfer is unavailable via the Address List.
 - (1) Ask (a PDC server manager) to add this product machine to a domain.
 - (2) Ask him to set a local user and password in the PC storage server (or a domain client higher than WIN workstation).
This local user and password = the user and password in the Address List.
 - (3) Ask him to grant the permission for the user that has been created in the scan data storage folder of the PC storage server (or the domain client higher than WIN2000) in Step (2) (for NTFS, FAT32 is not used).
After that, share the folder and set the permission for sharing.
 - (4) The workgroup name in the SMB properties shown from the appropriate device internet service = the same as the domain (a) to be used as a domain name.
If the procedure in (a) is inappropriate, the error 016-782 occurs. If the procedures in (b) and (c) are inappropriate, the error 016-784 occurs.

If the problem persists after performing this procedure, perform the procedures in OF-09 Common Job Fail.

OF-14 FAX Card Fail

Procedure

Perform the procedures in OF-07 Fax System Fail.

OF-15 NET Job Fail

Procedure

1. Check the version of the Controller ROM.
Download the latest version of the software if it is not. See 2.6.1 Software Download.)
2. Ask the customer what operation he/she did when the error occurred. Using the same operational procedure, try to reproduce the error.
3. When the error occurs, obtain the 'info9 or xxx.tgz' file log without turning OFF the power. (See 2.5.2 Logging/Extraction Tools Operational Instructions.)

The problem can be errors in server settings or customer operation. Instead of replacing the ESS PWB, ask the Support division for instructions.

OF-30 [No Error Code] (No problems during service call)

Initial Actions

Collect the detailed procedures below from the customer when a trouble occurred.

1. In which mode the problem occurred? (Copy/Scan/Print/Fax)
2. What job was performed when the problem occurred?
3. Check the job settings from the UI.
4. Check whether HDD spool is enabled/disabled.
5. Collect other information as much as possible to reproduce the error.

No problem was encountered during the service call.

Procedure

1. Obtain the 'info9 or xxx.tgz' and 'Redir or xxx.tgz' files using the log tool. (See 2.5.2 Logging Procedure)
2. At this point, if the system starts by turning the power ON, obtain reports by referring to 2.7.1 List of Collected Reports by Job according to the job type 'Copy/Scan/Print/Others' in which the error occurs.
3. [For machines installed with ESS Hardware Diagnostic only] Perform ESS Hardware Diagnostic. (See ESS Hardware Diagnostic Procedure)
4. [For machines installed with IOT (AST: Analysis Support Tool) Diagnostic only] Perform IOT Diagnostic. (See IOT Diagnostic Procedure)
5. [For machines installed with IIT Diagnostic only] Perform IIT Diagnostic. (See IIT Diagnostic Procedure)

OF-31 [No Error Code] (Problem: 'Does not start up at power ON' error can be reproduced.)

Initial Actions

Collect the detailed procedures below from the customer when a trouble occurred.

1. In which mode the problem occurred? (Copy/Scan/Print/Fax)
2. What job was performed when the problem occurred?
3. Check the job settings from the UI.
4. Check whether HDD spool is enabled/disabled.
5. Collect other information as much as possible to reproduce the error. 'Does not start up at power ON' during service call

The problem is ongoing and can be reproduced.

Procedure

1. If the problem is ongoing and can be reproduced, leave it alone for 10 minutes to wait for 116-399 to occur. After the error occurs, or even if the error does not occur after 10 minutes, obtain the 'info9 or xxx.tgz' and 'Redir or xxx.tgz' files using the log tool. (See 2.5.2 Logging Procedure)
2. [For machines installed with ESS Hardware Diagnostic only] Perform ESS Hardware Diagnostic. (See ESS Hardware Diagnostic Procedure)
3. Download the latest version of the software if it is not. (See 2.6.1 Software Download)
4. If the problem persists, perform the following procedures. Check the connection of the ESS PWB and (IISS PWB, IOT PWB, Monza PWB) connector cables, make sure that they are connected properly and then perform the same operation that caused the error to occur.
5. Pull out and reinsert the ESS RAM DIMM, then perform the same operation that caused the error to occur.
6. Disconnect and reconnect the HDD connectors, then perform the same operation that caused the error to occur.

7. Remove the HDD and try to start up the machine. If the machine starts up despite any error displays, perform the following procedures.

If the log could not be obtained in step 1, obtain the 'info9 or xxx.tgz' and 'Redir or xxx.tgz' files using the log tool. (See 2.5.2 Logging Procedure)

[For machines installed with IOT (AST: Analysis Support Tool) Diagnostic only] Perform IOT Diagnostic. (See IOT Diagnostic Procedure)

[For machines installed with IIT Diagnostic only] Perform IIT Diagnostic. (See IIT Diagnostic Procedure)

8. Replace the RAM DIMM, then perform the same operation that caused the error to occur.
9. Replace the HDD, then perform the same operation that caused the error to occur.
10. Replace the ESS PWB, then perform the same operation that caused the error to occur.

If the system is not restored after the ESS PWB has been replaced, reinstall the original ESS PWB and contact Support G for instructions. Prepare the logs and the obtained reports as required to be sent to Support G.

OF-32 [No Error Code] (Problem: 'Does not return from Power Save' error can be reproduced.)

Initial Actions

Collect the detailed procedures below from the customer when a trouble occurred.

1. In which mode the problem occurred? (Copy/Scan/Print/Fax)
2. What job was performed when the problem occurred?
3. Check the job settings from the UI.
4. Check whether HDD spool is enabled/disabled.
5. Collect other information as much as possible to reproduce the error.

The 'Does not return from Power Save' problem is ongoing during the service call and can be reproduced. (Excluding cases where the machine still do not start up normally after a power OFF and ON)

Procedure

1. If the problem is ongoing and can be reproduced, obtain the 'info9 or xxx.tgz' and 'Redir or xxx.tgz' files using the log tool. (See 2.5.2 Logging Procedure)
2. [For machines installed with ESS Hardware Diagnostic only] Perform ESS Hardware Diagnostic. (See ESS Hardware Diagnostic Procedure)
3. [For machines installed with IOT (AST: Analysis Support Tool) Diagnostic only] Start up normally and perform IOT Diagnostic. (See IOT Diagnostic Procedure)
4. [For machines installed with IIT Diagnostic only] Perform IIT Diagnostic.
5. If the log could not be obtained in step 1, obtain the 'info9 or xxx.tgz' and 'Redir or xxx.tgz' files using the log tool. (See 2.5.2 Logging Procedure)
6. Download the latest version of the software if it is not. (See 2.6.1 Software Download)
7. If the problem persists, perform the following procedures. Check the connection of the ESS PWB and (IISS PWB, IOT PWB, Monza PWB) connector cables, make sure that they are connected properly and then perform the same operation that caused the error to occur.

8. Pull out and reinsert the ESS RAM DIMM, then perform the same operation that caused the error to occur.
9. Disconnect and reconnect the HDD connectors, then perform the same operation that caused the error to occur.
10. Replace the RAM DIMM, then perform the same operation that caused the error to occur.
11. Replace the HDD, then perform the same operation that caused the error to occur.
12. Replace the ESS PWB, then perform the same operation that caused the error to occur.
10. Disconnect and reconnect the HDD connectors, then perform the same operation that caused the error to occur.
11. Replace the RAM DIMM, then perform the same operation that caused the error to occur.
12. Replace the HDD, then perform the same operation that caused the error to occur.
13. Replace the ESS PWB, then perform the same operation that caused the error to occur.
14. Replace the MCU PWB, then perform the same operation that caused the error to occur.

If the system is not restored after the ESS PWB has been replaced, reinstall the original ESS PWB and contact Support G for instructions. Prepare the logs and the obtained reports as required to be sent to Support G.

If the system is not restored after the MCU PWB has been replaced, reinstall the original MCU PWB and contact Support G for instructions. Prepare the logs and the obtained reports as required to be sent to Support G.

OF-33 [No Error Code] (Problem: 'Remained in 'Copying...' or 'Printing...' error can be reproduced.)

Initial Actions

Collect the detailed procedures below from the customer when a trouble occurred.

1. In which mode the problem occurred? (Copy/Scan/Print/Fax)
2. What job was performed when the problem occurred?
3. Check the job settings from the UI.
4. Check whether HDD spool is enabled/disabled.
5. Collect other information as much as possible to reproduce the error.

The 'Remained in 'Copying...' or 'Printing...' problem is ongoing during the service call and can be reproduced.

Procedure

1. If the problem is ongoing during a service call, obtain the 'info9 or xxx.tgz' and 'Redir or xxx.tgz' files using the log tool. (See 2.5.2 Logging Procedure)
2. Check for a change in UI message by opening and closing the IOT Front Panel, etc.
3. [For machines installed with ESS Hardware Diagnostic only] Perform ESS Hardware Diagnostic. (See ESS Hardware Diagnostic Procedure)
4. [For machines installed with IOT (AST: Analysis Support Tool) Diagnostic only] Perform IOT Diagnostic. (See IOT Diagnostic Procedure)
5. [For machines installed with IIT Diagnostic only] Perform IIT Diagnostic. (See IIT Diagnostic Procedure)
6. Check the software version. Download the latest version of the software if it is not. (See 2.6.1 Software Download) The download is not required if the Controller ROM version is already the latest. Proceed to step 7.
7. Download the latest version of the software if it is not. (See 2.6.1 Software Download)
8. If the problem persists, perform the following procedures. Check the connection of the ESS PWB and (IISS PWB, IOT PWB, Monza PWB) connector cables, make sure that they are connected properly and then perform the same operation that caused the error to occur.
9. Pull out and reinsert the ESS RAM DIMM, then perform the same operation that caused the error to occur.

002-400 Processing previous job in AWPM fail

OF-02 HDD System Fail

[Fault Name]

Processing previous job in AWPM fail

[Error Type]

Information

[Fault Content]

An error has occurred when the previous Job is being processed at AWPM

[Detection Conditions]

When the server inquiry number 9 (previous Job is being processed) is notified from the AWPM

[Corrective Actions]

Stop the Job monitoring at the AWPM and turn the Device OFF and ON.

If the problem still persists, perform the following:

OF-09 Common Job Fail

002-500 UI error

[Error Type]

Job

[Fault Content]

CUI Scan Panel UI Detection Error

[Detection Conditions]

UI detection error during the startup of a CUI scan job.

1. The IIT is occupied
2. Fault has occurred
3. Service is not CUI
4. Upper limit number of sheets for the XSA

[Corrective Actions]

After the Fault has been cleared, perform the same operation again. Or, check for any restrictions due to XSA.

If the problem persists, follow the logging procedures to obtain the info9 or xxx.tgz log and the network log immediately after the problem has occurred and contact the Support Department.

002-770 JT Processing - HD Full

[Error Type]

Job Fail

[Fault Content]

The HD capacity was insufficient during Job Template processing in the job.

[Detection Conditions]

The system aborted a job due to insufficient HD capacity during Job Template processing.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

003-310 IIT extension memory capacity is insufficient.

[Error Type]

Sub System Fail

[Fault Content]

The Fax Card is installed but the IISS extension memory capacity is insufficient (less than 256 MB)

[Detection Conditions]

This is a Fault Code detected by the IITsc after bypassing the 116-389 detection conditions when turning the power ON. It was detected that the Fax Card is installed but the extension memory capacity in the document scan section is less than 256 MB.

Restrictions when this error occurs:

<DADF-75>

The DADF is unavailable when this fail occurs. Fax can still be sent using the platen.

<DADF-250>

The DADF can still be used even when this fail occurs. However, as a restriction, duplex scan can only be performed by mechanical reversing operation.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, perform the following procedure to repair it.

Install the IISS Extension Memory (the memory on the extension PWB at the side of the IIT-IPS).

003-311 IIT CDI I/F Mismatch

[Error Type]

sub

[Fault Content]

IIT CDI I/F mismatch

[Detection Conditions]

During the initialization of the Controller, the IIT CDI I/F has a lack of information from the IIT (a mismatch between Controller Version and IIT Version).

[Corrective Actions]

Upgrade the IIT software to a certain version that can be combined with the Controller version.

003-318 IITsc Soft Fail

[Error Type]

Sub System Fail

[Fault Content]

System Soft Fail

[Detection Conditions]

An IITsc software failure is determined.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-05 IIT System Fail

003-319 IITsc Video Driver Detection Fail

[Error Type]

Sub System Fail

[Fault Content]

Video Driver Detection Fail

[Detection Conditions]

When the following error was detected from the Driver

1. Compression Threshold Exceeded
2. DMA Transfer Error
3. Other Compression Type Errors
4. I/F failure between the controller and the IIT

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-05 IIT System Fail

003-320 IISS-ESS Communication Fail 1

[Error Type]

Sub System Fail

[Fault Content]

IISS sending error detected by Controller.

(Incorrect parameter instructed)

[Detection Conditions]

An abnormal parameter is set as the argument for the Send function.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-05 IIT System Fail

003-321 IISS-ESS Communication Fail 2

[Error Type]

Sub System Fail

[Fault Content]

IISS sending error detected by Controller.

(Incorrect Sequence No.)

[Detection Conditions]

After commands were sent twice from the Cont, the Cont could not receive the ACK from the IISS (the Sequence No. of the sent Message Packet is not correct).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-05 IIT System Fail

003-322 IISS-ESS Communication Fail 3

[Error Type]

Sub System Fail

[Fault Content]

IISS sending error detected by Controller.
(Incorrect Packet No.)

[Detection Conditions]

After commands were sent twice from the Cont, the Cont could not receive the ACK from the IISS (the Packet No. of the sent Message Packet is not correct).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-323 IISS-ESS Communication Fail 4

[Error Type]

Sub System Fail

[Fault Content]

IISS sending error detected by Controller.
(Incorrect message length)

[Detection Conditions]

After commands were sent twice from the Cont, the Cont could not receive the ACK from the IISS (the message length of the sent Message Packet is not correct).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-324 IISS-ESS Communication Fail 5

[Error Type]

Sub System Fail

[Fault Content]

IISS sending error detected by Controller.
(Check code error)

[Detection Conditions]

After commands were sent twice from the Cont, the Cont could not receive the ACK from the IISS (the check code of the sent Message Packet is not correct).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-325 IISS-ESS Communication Fail 6

[Error Type]

Sub System Fail

[Fault Content]

IISS sending error detected by Controller.
(Parity error)

[Detection Conditions]

After commands were sent twice from the Cont, the Cont could not receive the ACK from the IISS (parity error was detected at the IISS Hardware).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-326 IISS-ESS Communication Fail 7

[Error Type]

Sub System Fail

[Fault Content]

IISS sending error detected by Controller.
(Framing error)

[Detection Conditions]

After commands were sent twice from the Cont, the Cont could not receive the ACK from the IISS (framing error was detected at the IISS Hardware).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-327 IISS-ESS Communication Fail 8

[Error Type]

Sub System Fail

[Fault Content]

IISS sending error detected by Controller.
(Overrun error)

[Detection Conditions]

After commands were sent twice from the Cont, the Cont could not receive the ACK from the IISS (overrun error was detected at the IISS Hardware).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-328 IISS-ESS Communication Fail 9

[Error Type]

Sub System Fail

[Fault Content]

IISS sending error detected by Controller.
(Sending abortion error)

[Detection Conditions]

After a command was sent twice from the Cont, the Cont could not receive the ACK from the IISS (the receiving abortion error was detected after the header has been recognized at the IISS).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-329 IISS-ESS Communication Fail 10

[Error Type]

Sub System Fail

[Fault Content]

IISS receiving error detected by Controller
(Sequence No. error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (The Sequence No. of the received Message Packet is incorrect.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-330 IISS-ESS Communication Fail 11

[Error Type]

Sub System Fail

[Fault Content]

IISS receiving error detected by Controller
(Incorrect Packet No.)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (The Packet No. of the received Message Packet is incorrect.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-331 IISS-ESS Communication Fail 12

[Error Type]

Sub System Fail

[Fault Content]

IISS receiving error detected by Controller
(Incorrect message length)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (The message length of the received Message Packet is incorrect.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-332 IISS-ESS Communication Fail 13

[Error Type]

Sub System Fail

[Fault Content]

IISS receiving error detected by Controller
(Check code error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (The check code of the received Message Packet is incorrect.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-333 IISS-ESS Communication Fail 14

[Error Type]

Sub System Fail

[Fault Content]

IISS receiving error detected by Controller
(Parity error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (A parity error was detected by hardware of the UART.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-334 IISS-ESS Communication Fail 15

[Error Type]

Sub System Fail

[Fault Content]

IISS receiving error detected by Controller
(Framing error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (A framing error was detected by hardware of the UART.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-335 IISS-ESS Communication Fail 16**[Error Type]**

Sub System Fail

[Fault Content]

IISS receiving error detected by Controller
(Overrun error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (An overrun error was detected by hardware of the UART.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-336 IISS-ESS Communication Fail 17**[Error Type]**

Sub System Fail

[Fault Content]

IISS receiving error detected by Controller
(Receiving abortion error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (Abortion of receiving was detected after the header has been recognized.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-337 IISS-ESS Communication Fail 18**[Error Type]**

Sub System Fail

[Fault Content]

There was no response to the Power ON command sent to the IISS after restoring from Power Saver mode.

[Detection Conditions]

After recovering from Power Saver mode, there was no response for a specified time after the Power ON command was sent to the IISS.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-338 IISS-ESS Communication Fail 19**[Error Type]**

Sub System Fail

[Fault Content]

Incorrect argument error for sending (IITsc Detection)

[Detection Conditions]

The driver detected an incorrect Send parameter argument from the application.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-339 IISS-ESS Communication Fail 20**[Error Type]**

Sub System Fail

[Fault Content]

Transmission establishing error for sending (IITsc Detection)

[Detection Conditions]

The establishment of PAR transmission failed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-05 IIT System Fail

003-340 IISS-ESS Communication Fail 21**[Error Type]**

Sub System Fail

[Fault Content]

Synchronous send error (IITsc Detection)

[Detection Conditions]

A PAR synchronization error during sending occurred.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-05 IIT System Fail

003-341 IISS-ESS Communication Fail 22**[Error Type]**

Sub System Fail

[Fault Content]

Transmission error for sending (IITsc Detection)

[Detection Conditions]

A PAR transmission error during sending occurred.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-05 IIT System Fail

003-342 IISS-ESS Communication Fail 23**[Error Type]**

Sub System Fail

[Fault Content]

Incorrect argument error for receiving (IITsc Detection)

[Detection Conditions]

The driver detected an incorrect Receive parameter argument from the application.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-05 IIT System Fail

003-343 IISS-ESS Communication Fail 24**[Error Type]**

Sub System Fail

[Fault Content]

Synchronous receive error (IITsc Detection)

[Detection Conditions]

A PAR synchronization error during receiving occurred.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-05 IIT System Fail

003-344 IISS_ESS X Hotline Fail PowerOn**[Error Type]**

Sub System Fail

[Fault Content]

X Hotline Failure during Power ON

[Detection Conditions]

X Hotline signal error was detected during Power ON sequence.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-05 IIT System Fail

003-345 X PIO Unmatch Fail 1**[Error Type]**

Sub System Fail

[Fault Content]

X PIO Unmatch Fail 1

[Detection Conditions]

When X Job Fail was received from the IISS, an error of the X Hot Line was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-05 IIT System Fail

003-346 X PIO Unmatch Fail 2**[Error Type]**

Sub System Fail

[Fault Content]

X PIO Unmatch Fail 2

[Detection Conditions]

When IIT Image Delivered was received from the IISS, an error of the X Hot Line was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-05 IIT System Fail

003-700 Returned a lot of Documents error**[Fault Name]**

Returned a lot of Documents error

[Error Type]

Job Fail

[Fault Content]

Returned a lot of Documents error.

[Detection Conditions]

When the originals are ejected due to a Jam, etc., it was detected that the number of ejected originals is more than the number that was taken in.

[Corrective Actions]

Check the output, reload the originals that were not copied yet and start again.

003-701 Duplication prevention code detect**[Error Type]**

Job

[Fault Content]

The HWM Detection H/W detects copy restriction codes in document data

[Detection Conditions]

When the document was scanned, the HWM Detection H/W detected copy restriction codes in the document.

[Corrective Actions]

Use a document which does not have any copy restriction codes embedded.

If the problem persists, perform the following procedure to correct it.

Detection error due to Hybrid Watermark Board failure.

Replace the Hybrid Watermark Board.

If the problem persists, perform the following procedure:

OF-09 Common Job Fail

003-702 Different magnification, for surface and back of a document**[Error Type]**

Job

[Fault Content]

Different magnification, for surface and back of a document

[Detection Conditions]

In copying the two sides of the document simultaneously, the machine detected such settings as apply different magnification ratios to the face (side 1) and the back (side 2) of the document.

[Corrective Actions]

Change the settings so that the same magnification ratio can be applied to the face (side 1) and the back (side 2) of the document.

If the problem persists, perform the following.

OF-09 Common Job Fail

003-703 Auto Color Correction Patch Position Fail**[Fault Name]**

Auto Color Correction Patch Position Fail

[Error Type]

Job

[Fault Content]

Color Correction Patch position error during 2 Sided Simultaneous Scan.

[Detection Conditions]

- When the position check patch could not be detected.

(Either the paper is small, the paper orientation is SEF, the document side 1 and side 2 is swapped, something other than the color correction chart is loaded, or etc.).

- When 2 or more sheets of documents are loaded.

- When the [Start] button is pressed when no document is loaded.

[Corrective Actions]

Load the 2 Sided Simultaneous Scan Correction Chart correctly.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-704 Color Correction Value Difference Fail**[Fault Name]**

Color Correction Value Difference Fail

[Error Type]

Job

[Fault Content]

Color correction color difference error during 2 Sided Simultaneous Scan.

[Detection Conditions]

When the value of the 14 Shades patch for each color of the scanned color correction pattern is abnormal or when a color difference error of the correction value was detected.

[Corrective Actions]

Check whether the 2 Sided Simultaneous Scan Correction Chart is loaded correctly.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-705 Paper Size Mismatch of the Energy Saving Return Fail**[Fault Name]**

Paper Size Mismatch of the Energy Saving Return Fail

[Error Type]

Job

[Fault Content]

A Paper Size mismatch error when returning from Energy Saver mode.

[Detection Conditions]

When the Paper Size was changed in the middle of Energy Saver mode (partial sleep) and, upon returning from the Energy Saver mode, a Copy Job (tray specification) was performed before the change in Tray Size was detected.

[Corrective Actions]

Cancel the job and then retry/reset the Job.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-750 Book Duplex-Insufficient Docs**[Error Type]**

Job Fail

[Fault Content]

The number of documents is insufficient in book duplex print

[Detection Conditions]

No sheets are stored in the setting conditions.

[Corrective Actions]

Change the parameters and repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-751 Under PANTHER Capacity (Scan)**[Error Type]**

Job Fail

[Fault Content]

Capability of Panther for image data size in Scan Service deteriorated (IITsc).

[Detection Conditions]

According to the document area settings and the scan area (Width mm x Length mm), a processing image data with the size smaller than the one that can be processed in the M/C hardware was detected.

[Corrective Actions]

Increase the resolution or enlarge the scan area (Width mm x Length mm).

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-752 Cannot scan 600DPI**[Error Type]**

Job Fail

[Fault Content]

600 dpi unavailable for DADF Mixed 2-Sided Mode Scan.

[Detection Conditions]

The 600 dpi resolution which cannot be scanned in the DADF Mixed 2-Sided Mode Scan was detected.

[Corrective Actions]

Perform scanning below 400 dpi resolution.

Or perform scanning in other than mixed mode.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-753 Cannot scan over 300DPI**[Error Type]**

Job Fail

[Fault Content]

300/400/600 dpi unavailable for DADF Mixed 2-Sided Mode Scan.

[Detection Conditions]

The 300 dpi or larger resolution which cannot be scanned in the DADF Mixed 2-Sided Mode Scan was detected.

[Corrective Actions]

Perform scanning below 200 dpi resolution.

Or perform scanning in other than mixed mode.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-754 S2X recoverable error**[Error Type]**

Job Fail

[Fault Content]

The High Compression PDF Board (S2X) has a recoverable error

[Detection Conditions]

A recoverable error was detected at the S2X PWB

[Corrective Actions]

Execute the same job again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-755 S2X command error**[Error Type]**

Job Fail

[Fault Content]

The High Compression PDF Board (S2X) has a command error

[Detection Conditions]

Command error returned from the S2X PWB.

[Corrective Actions]

Execute the same job again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-756 S2X command error**[Error Type]**

Job Fail

[Fault Content]

All documents detected as blank paper at FAX Blank Detection.

[Detection Conditions]

All scanned documents were detected as blank paper at Blank Detection.

[Corrective Actions]

Check whether the documents are blank or inside out and execute the same job again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-757 Cannot scan over 400DPI**[Error Type]**

Job Fail

[Fault Content]

400/600 dpi unavailable for DADF Mixed 2-Sided Mode Scan

[Detection Conditions]

The 400 dpi or larger resolution which cannot be scanned in the DADF Mixed 2-Sided Mode Scan was detected.

[Corrective Actions]

Perform scanning at 300 dpi or lower resolution.

Or perform scanning in other than mixed mode.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-760 Scan Settings Error**[Error Type]**

Job Fail

[Fault Content]

Job parameter mismatch

[Detection Conditions]

The job properties are incorrect.

[Corrective Actions]

Abort the job. Change the parameters and repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-761 Incorrect Paper Tray Size**[Error Type]**

Job Fail

[Fault Content]

Tray selection error.

(The paper size in the tray that is selected is different from the paper size in the tray that will be selected by the APS.)

[Detection Conditions]

When the Cover Content Tray or Separator + N set Tray is selected in APS, the paper size is different from that in the Cover Tray or the Transparency Tray.

[Corrective Actions]

Change the job activation parameters such as Tray No., Paper Size, and repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-763 Adjustment Chart Not Found**[Error Type]**

Job Fail

[Fault Content]

Original patch does not exist.

[Detection Conditions]

The chart patch could not be detected.

[Corrective Actions]

Place the Auto Gradation Correction Chart correctly.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-764 Document insufficient (image overlay)**[Error Type]**

Job Fail

[Fault Content]

Insufficient documents for Image Overlay

[Detection Conditions]

During Image Overlay, only 1 page can be stored (single sheet document).
This occurs in B/W machines and does not occur in Color machines.

[Corrective Actions]

Abort the job.
If the problem persists, perform the following procedure to repair it.
OF-09 Common Job Fail

003-780 Scan Image Compression Error**[Error Type]**

Job Fail

[Fault Content]

Fax Scan Compression Error

[Detection Conditions]

The compressed data size is larger than 8 times the size of the uncompressed data.

[Corrective Actions]

Abort the job. Change the scan resolution parameter and repeat the operation.
If the problem persists, perform the following procedure to repair it.
OF-09 Common Job Fail

003-795 AMS Limit Error**[Error Type]**

Job Fail

[Fault Content]

AMS (Auto R/E) limit error.
(The R/E ratio became out of range after the document auto detection when AMS is specified.)

[Detection Conditions]

25%-400% was not selected by AMS/AMS Auto-Fill.

[Corrective Actions]

Abort the job. Change the parameters and repeat the operation.
If the problem persists, perform the following procedure to repair it.
OF-09 Common Job Fail

003-930 Cannot scan over 300DPI**[Error Type]**

Operation Fail

[Fault Content]

For scanning in the DADF mix duplex mode, 300dpi, 400dpi and 600dpi are not available.

[Detection Conditions]

Because DAM memory is not enough, a selected resolution is not available for scanning a A3 document. It is available for scanning a A4/B4 document.

[Corrective Actions]

Operate for scanning at below 300dpi.
If the problem persists, increase DAM memory.
If the problem still persists, go to the following procedure to resolve it.
OF-09 Common Job Fail

003-931 Cannot scan over 400DPI**[Error Type]**

Operation Fail

[Fault Content]

For scanning in the DADF mix duplex mode, 400dpi and 600dpi are not available.

[Detection Conditions]

Because DAM memory is not enough, a selected resolution is not available for scanning a A3 document. It is available for scanning a A4/B4 document.

[Corrective Actions]

Operate for scanning at below 400dpi.
If the problem persists, increase DAM memory.
If the problem still persists, go to the following procedure to resolve it.
OF-09 Common Job Fail

003-932 Cannot scan 600DPI**[Error Type]**

Operation Fail

[Fault Content]

For scanning in the DADF mix duplex mode, 600dpi is not available.

[Detection Conditions]

Because DAM memory is not enough, a selected resolution is not available for scanning a A3 document. It is available for scanning a A4/B4 document.

[Corrective Actions]

Operate for scanning at below 600dpi.
If the problem persists, increase DAM memory.
If the problem still persists, go to the following procedure to resolve it.
OF-09 Common Job Fail

003-933 Next Documents Cannot scan over 300DPI**[Error Type]**

Operation Fail

[Fault Content]

For scanning in the DADF mix duplex mode, 300dpi, 400dpi and 600dpi are not available (when the next document exists).

[Detection Conditions]

Because DAM memory is not enough, a selected resolution is not available for scanning a A3 document. It is available for scanning a A4/B4 document.

[Corrective Actions]

Operate for scanning at below 300dpi.

If the problem persists, increase DAM memory.

If the problem still persists, go to the following procedure to resolve it.

OF-09 Common Job Fail

003-934 Next Documents Cannot scan over 400DPI**[Error Type]**

Operation Fail

[Fault Content]

For scanning in the DADF mix duplex mode, 400dpi and 600dpi are not available (when the next document exists).

[Detection Conditions]

Because DAM memory is not enough, a selected resolution is not available for scanning a A3 document. It is available for scanning a A4/B4 document.

[Corrective Actions]

Operate for scanning at below 400dpi.

If the problem persists, increase DAM memory.

If the problem still persists, go to the following procedure to resolve it.

OF-09 Common Job Fail

003-935 Next Documents Cannot scan over 600DPI**[Error Type]**

Operation Fail

[Fault Content]

For scanning in the DADF mix duplex mode, 600dpi is not available (when the next document exists).

[Detection Conditions]

Because DAM memory is not enough, a selected resolution is not available for scanning a A3 document. It is available for scanning a A4/B4 document.

[Corrective Actions]

Operate for scanning at below 600dpi.

If the problem persists, increase DAM memory.

If the problem still persists, go to the following procedure to resolve it.

OF-09 Common Job Fail

003-940 DAM memory insufficient**[Error Type]**

Operation Error

[Fault Content]

Insufficient DAM memory detected.

[Detection Conditions]

When IITsc is activated for the jobs that meet the following AND conditions:

- DAM memory < 384MB
- Side 2 cover image is selected
- Color mode is not set to Black/White
- High Quality mode

[Corrective Actions]

Cancel the job

- Clear the B/W setting for Color mode or the Side 2 cover image setting, and execute the job again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-941 Page memory insufficient**[Error Type]**

operation

[Fault Content]

A shortage of page memory

[Detection Conditions]

There is not enough page memory to store the image.

[Corrective Actions]

Change the parameter(s) and operate again.

If the problem persists, check that the page memory is installed and turn OFF then ON the power.

If the problem still persists, perform the following:

OF-09 Common Job Fail

003-942 Document size Auto Detect error**[Error Type]**

Operation Error

[Fault Content]

Document size error

[Detection Conditions]

The document size cannot be automatically detected.

[Corrective Actions]

Input an appropriate value for the document size.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-944 Image repeat count fail

[Error Type]

Operation Error

[Fault Content]

Incorrect image repeat count (even one image cannot be pasted).

[Detection Conditions]

Even one image cannot be pasted when 'Set Repeated Count-Auto' is specified for image repeat.

[Corrective Actions]

Change the image repeat count parameter and repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-946 Every direction difference (Copy APS)

[Error Type]

Operation Error

[Fault Content]

Different in every direction of Copy (APS)

[Detection Conditions]

Part of the image will be lost if the image is not rotated. However, a paper size that does not support rotation was selected.

[Corrective Actions]

Select an appropriate paper tray manually.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-947 Return Documents counts error

[Error Type]

Operation Error

[Fault Content]

Return documents error

[Detection Conditions]

If a user has returned an insufficient number of documents using Return Document, the message indicating that additional N number of documents are required is displayed and job cancelation is prompted.

[Corrective Actions]

Since the number of documents is insufficient, reload the correct number of documents.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-948 Return Documents mismatch

[Error Type]

Operation Error

[Fault Content]

Returned document size mismatch (Different size settings before/after return)

[Detection Conditions]

A different document was returned by a user using Return Document.

- This error occurs only when the page information for the returned document has been already sent to the post-process software module.
- However, because distributed page information will be discarded when the machine recovers from an interruption, the above fault is not considered an error.
- The check items to determine different documents are document size/orientation and Color mode in ACS only.

[Corrective Actions]

Return a document with the correct size again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-951 1job max page over

[Error Type]

Operation Error

[Fault Content]

Stored pages limit for a job exceeded

[Detection Conditions]

The number of pages that can be scanned for a job is exceeded.

[Corrective Actions]

Specify the job to avoid the detection conditions.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-952 Return Documents Color mismatch

[Error Type]

Operation Error

[Fault Content]

Returned document color mismatch (Different color detected before/after return).

[Detection Conditions]

A different color of document was returned by a user using Return Document.

- This error occurs only when the page information for the returned document has been already sent to the post-process.
- However, the error always occurs when recovered from interruption since the sent page information has been discarded.
- The check items to determine different documents are document size/orientation and Color mode in ACS only.

[Corrective Actions]

Return a document with the correct color again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-955 Documents size exchange error**[Error Type]**

Operation Error

[Fault Content]

Document size change error (MixMode)

[Detection Conditions]

When loading a document with Mixed Size Originals prohibited, a document of different size/orientation from the initial document was detected.

- Only Image Overlay has the function that inhibits different sizes during document added.

[Corrective Actions]

Reload the document.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-956 Documents size unknown error**[Error Type]**

Operation Error

[Fault Content]

Document size undefined error (Only APS is selected for the function requiring document size setting).

[Detection Conditions]

Undefined document size was detected when Platen is selected and only APS requires document size selection.

[Corrective Actions]

Enter a document size from the Panel or select a tray.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-963 No APS object Tray**[Error Type]**

Operation Error

[Fault Content]

No APS compatible tray to set the relevant size.

[Detection Conditions]

There was no APS compatible tray that could supply paper for printing without image loss.

- Image larger than A3/17'
- Non-TTM tray does not support APS and the image is larger than A4/Letter.
- All the APS supporting trays have failure.
- APS supporting trays are all set to unavailable.
- Non-standard size setting for all trays.
- Black/White Copy for color attributes of all trays
- Color Copy for B/W attributes of all trays

[Corrective Actions]

Select a tray.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-965 ATS/APS No Paper (IITsc Detect)**[Error Type]**

Operation Error

[Fault Content]

ATS/APS No Paper

APS/ATS NG (No Paper) (IIT)

[Detection Conditions]

There was no paper in the tray that can be selected for APS.

[Corrective Actions]

Add paper.

Turn the power OFF then ON. If the problem persists, replace the tray module.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-966 ATS/APS No Destination (IITsc)**[Error Type]**

Operation Error

[Fault Content]

ATS/APS No Destination Error

ATS/APS NG (Other than No Paper) (IIT)

[Detection Conditions]

There is no APS tray that is set to a specific size selected.

[Corrective Actions]

Load a tray with an appropriate size of paper or select an appropriate tray.

Turn the power OFF then ON. If the problem persists, replace the tray module.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-967 DADF APS No Destination

[Error Type]

Operation Fail

[Fault Content]

- When using DADF-75, document size = 8.5x11 SEF *excluding document size input
- Mixed size is not selected
- Although an APS Copy Job with Variable % Reduce/Enlarge is specified, a selectable Tray does not exist

Even though an A4 LEF document is set, its size might have been misdetected as 8.5x11 SEF document

*This Fault Code only occurs in DADF-75 and is not applicable for DADF-150 and DADF-250

[Detection Conditions]

The detected paper size is not in the Tray.

[Corrective Actions]

1. Either load the paper size that is displayed on the Panel into the Tray or select a Tray that contains the desired paper size.
2. In the case where an A4SEF document was misdetected to be a Letter document, first cancel the job, set the DADF Document Guide properly to both sides of the scanned document and then operate again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-968 Punch position error

[Error Type]

Operation Error

[Fault Content]

Punch position error

[Detection Conditions]

Unable to punch at the selected position. (Common among APS/Tray Selections)

[Corrective Actions]

Specify an appropriate punch position or cancel Punch, and execute the job again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-969 Punch size error

[Error Type]

Operation Error

[Fault Content]

Punch size error (APS)

[Detection Conditions]

Punch could not be done for the selected paper size.

[Corrective Actions]

Cancel Punch and execute the same job again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-970 FAX Line Memory Overflow

[Error Type]

notice

[Fault Content]

The number of FAX slow-scan lines is over.

[Detection Conditions]

The number of slow-scan lines has exceeded the upper limit due to Fax parallel composition, long-document enlargement, etc.

[Corrective Actions]

Press the Continue button to store as much data as the memory capacity and continue scanning the next document. Or, press the Cancel button to abort the job.

Turn the power OFF then ON. If the problem persists, check the installation of the page memory.

003-971 prevention code detect with the right to cancel

[Error Type]

Notice

[Fault Content]

Copy restriction codes detected in document to be copied (for users who has the permission to temporarily clear the detection)

[Detection Conditions]

When job scan was executed by a user who has the permission to temporarily clear the copy restriction code detection, copy restriction codes were detected in the document.

[Corrective Actions]

Because this document cannot be copied, press the 'Cancel' or 'Continue' button on the panel.

003-972 Maximum Stored Page Over Flow

[Error Type]

Notice Error

[Fault Content]

Maximum No. of stored pages exceeded

[Detection Conditions]

When scanning a document, the no. of pages that has accumulated in the machine has exceeded the value of 'Maximum Stored Number of Copy Sheets' set in system data.

[Corrective Actions]

Set the no. of pages of the document to be within the maximum no. of pages that can be stored.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-973 Every direction difference**[Error Type]**

Notice Error

[Fault Content]

The document and the image are different in orientation.

(except when Poster is specified)

[Detection Conditions]

When rotation is not available even though the orientation of the document and the image are different and part of the image will be lost if it is not rotated.

[Corrective Actions]

Start the job without any changes or cancel the job.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-974 Next Original Specification**[Error Type]**

Notice Error

[Fault Content]

Next document specified

[Detection Conditions]

Scanning has been completed for all loaded documents.

[Corrective Actions]

Decide whether there is another document.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-976 FAX Line Memory Overflow (N up)**[Error Type]**

Notice Error

[Fault Content]

No. of lines in the Slow Scan direction exceeded during Fax N-up.

[Detection Conditions]

The no. of lines in the Slow Scan direction exceeds the upper limit (65535) during processes such as Fax parallel overlay or enlargement of long documents.

Or Page Memory is full.

[Corrective Actions]

Press the Cancel button to stop the job. Decrease a resolution or magnification ratio and rerun the job.

Turn the power OFF then ON. If the problem persists, check the installation of the page memory. If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-977 Document Miss Match (Multi Scan)**[Error Type]**

Notice Error

[Fault Content]

Document size mismatch (Document exchange during Multi Scan)

[Detection Conditions]

1. Document replacement was detected during Bound Originals/Booklet/Poster scanning.
2. When any operation that requires Return Document occurs in the job with Multi Scan (Bound Originals/Booklet/Poster) on Platen, a user returned a document of a different size from the original.

[Corrective Actions]

Reload a correct size document and resume operation.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-978 Color Document Miss Mutch (Multi Scan)**[Error Type]**

Notice Error

[Fault Content]

Document color mismatch (Document replacement during Multi Scan)

[Detection Conditions]

1. Document replacement was detected during Bound Originals/Booklet/Poster scanning.
2. When any operation that requires Return Document occurs in the job with Multi Scan (Bound Originals/Booklet/Poster) on Platen, a user returned a document of a different color at ACS.

[Corrective Actions]

Reload a correct size paper and resume operation.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-980 Staple position error

[Error Type]

Notice Error

[Fault Content]

Staple Position Error

[Detection Conditions]

Staple is not available at the specified position.

[Corrective Actions]

Specify a Staple position again or cancel Staple, and execute the same job again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-981 Staple size error

[Error Type]

Notice Error

[Fault Content]

Staple size error (Copy APS)

[Detection Conditions]

Staple could not be done for the selected paper size.

[Corrective Actions]

Specify a Staple position again or cancel Staple, and execute the same job again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

003-982 IITsc HDD access error

[Error Type]

Notice

[Fault Content]

HD-FULL was detected with no pages stored. An error where the FULL is not cleared even after some time has passed.

[Detection Conditions]

HDD was determined to be full due to collate, stored or interrupted jobs.

[Corrective Actions]

Process or delete the jobs (documents) stored in the same HDD partition, and repeat the operation.

If the problem persists, expand the HDD partition size of the Copy service.

If the problem persists, perform the following procedure:

OF-09 Common Job Fail

OF-10 HDD Job Fail

005-500 Write to DADF-ROM error detection (During DLD method)

[Error Type]

Job Fail

[Fault Content]

An error has occurred during the process of writing data to the DADF-ROM (During DLD method)

[Detection Conditions]

An error was detected when writing data to the DADF-ROM.

Not able to carry out normal operation because ROM content is missing.

[Corrective Actions]

Retry job. If retry failed, replace the DADF-ROM and perform VerUP operation on the DLD method again.

005-940 DADF No Original

[Error Type]

Operation Fail

[Fault Content]

Final document correction notification due to DADF document being pulled out

[Detection Conditions]

The system detected a pulled out document.

[Corrective Actions]

Reload the document.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

005-941 Doc number of sheets is insufficient

[Error Type]

Operation Fail

[Fault Content]

Though all documents/N documents reloaded, the machine detected one or more documents were missing.

[Detection Conditions]

Whether all documents or N documents are reloaded, the machine detects one or more documents are missing while skipping scanned documents (i.e. feeding them without scanning them).

If a failure occurs before the machine finishes scanning documents and outputs them, the machine skips scanned documents even if it instructs the user to reload N documents.

[Corrective Actions]

As the number of documents is insufficient, reload a proper number of documents.

If the problem persists, go the the following procedure to resolve it.

OF-09 Common Job Fail

005-942 Doc fault loading on DADF

[Error Type]

Operation Fail

[Fault Content]

DADF-loaded documents Fail (DADF-250)

[Detection Conditions]

When the Nudger Solenoid is turned ON to return at the start of a job, it is detected that the Level Sensor does not turn OFF.

[Corrective Actions]

Reduce documents in number and reload a smaller number of them.

If the problem persists, go the the following procedure to resolve it.

OF-09 Common Job Fail

005-945 Document guide set mistake.

[Error Type]

Operation

[Fault Content]

DADF document guide set mistake (mixed document detection)

[Detection Conditions]

Either [1] or [2] is detected during a job specified with [MIX = OFF Mode].

Detection Conditions for [1]

The DADF document guides are set at different positions compared to the actual document, causing misdetection of document size (= A3 SEF).

Furthermore, the misdetected paper (= A3 SEF) is fed into the machine and it is unable to be updated to the correct size (= A4 SEF).

Detection Conditions for [2]

When a set of mixed size documents are set, the topmost document is misdetected (= A3 SEF).

Furthermore, the misdetected paper (= A3 SEF) is fed into the machine and it is unable to be updated to the correct size (= A4 SEF).

[Corrective Actions]

Correction for [1]

- Cancel the job
- Align the DADF document guides to the actual document
- Restart the job

Correction for [2]

- Cancel the job
- Set the Mixed Mode to ON at the copy settings menu
- Restart the job

If the problem persists, perform the following:

OF-09 Common Job Fail

005-946 Manuscript reading equipment obstacle detection**[Error Type]**

Operation

[Fault Content]

DADF obstruction detection (mixed document detection)

[Detection Conditions]

Either [1] or [2] is detected during a job specified with [MIX = OFF Mode].

Detection Conditions for [1]

There is obstruction on the DADF document length sensor, causing misdetection of document size (= A3 SEF).

Furthermore, the misdetected paper (= A3 SEF) is fed into the machine and it is unable to be updated to the correct size (= A4 SEF).

Detection Conditions for [2]

When a set of mixed size documents are set, the topmost document is misdetected (= A3 SEF).

Furthermore, the misdetected paper (= A3 SEF) is fed into the machine and it is unable to be updated to the correct size (= A4 SEF).

[Corrective Actions]

Correction for [1]

- Cancel the job
- Remove the obstruction and expose the length sensor
- Restart the job

Correction for [2]

- Cancel the job
- Set the Mixed Mode to ON at the copy settings menu
- Restart the job

If the problem persists, perform the following:

OF-09 Common Job Fail

005-947 Document guide set mistake 2.**[Error Type]**

Operation

[Fault Content]

DADF document guide set mistake (mixed document detection) *continuous scan is possible

[Detection Conditions]

Either [1] or [2] is detected during a job specified with [MIX = OFF Mode].

Detection Conditions for [1]

The DADF document guides are set at different positions compared to the actual document, causing misdetection of document size (= A3 SEF).

NOTE: The misdetected size is not delivered,

Detection Conditions for [2]

When a set of mixed size documents are set, the topmost document is misdetected (= A3 SEF).

NOTE: The misdetected size is not delivered

[Corrective Actions]

Correction for [1]

Align and set the document guides to the document

- Press [Start] to correctly re-detect the DADF document size and continue the scan

Correction for [2]

- Cancel the job
- Set the Mixed Mode to ON at the copy settings menu
- Restart the job

If the problem persists, perform the following:

OF-09 Common Job Fail

005-948 Manuscript reading equipment obstacle detection**[Error Type]**

Operation

[Fault Content]

DADF obstruction detection (mixed document detection) *continuous scan is possible

[Detection Conditions]

Either [1] or [2] is detected during a job specified with [MIX = OFF Mode].

Detection Conditions for [1]

There is obstruction on the DADF document length sensor, causing misdetection of document size

Detection Conditions for [2]

When a set of mixed size documents are set, the topmost document is misdetected

[Corrective Actions]

Correction for [1]

Remove the obstruction and expose the length sensor at the DADF

- Press [Start] to correctly re-detect the DADF document size and continue the scan

Correction for [2]

- Cancel the job
- Set the Mixed Mode to ON at the copy settings menu
- Restart the job

If the problem persists, perform the following:

OF-09 Common Job Fail

007-954 SMH size mismatch

[Error Type]

operation

[Fault Content]

SMH Size Mismatch (Slow Scan Length Error)
Imari-MF: Slow Scan Length/Fast Scan Width Error

[Detection Conditions]

The size information specified for printing through this machine is different from the size of SMH paper (=the Tray Dial-set size).

[Corrective Actions]

1. Load the SMH of this machine with paper of the size that the customer selected for the job.
2. Set the SMH Dial of this machine for the size that the customer selected for the job.
If the dial does not have the desired paper size, set it for 'Other'.

007-959 OHP kind mismatch (Not white frame OHP)

[Error Type]

Operation

[Fault Content]

Transparencies with borders were detected
[Process on the IOTdc]

The system is shut down (stop) if Transparencies with borders are detected regardless of the paper type setting in the Controller.

[Detection Conditions]

When checking Transparencies for borders (by the OHP Sensor) after feeding has started, jam occurs when borders were detected.

[Corrective Actions]

Use Xerox transparencies without borders.

007-960 Paper kind mismatch

[Error Type]

Operation

[Fault Content]

Paper Type mismatch between Transparency and Plain Paper
[Process on the IOTdc]

This error occurs when the paper fed is different from that specified in the Controller (Plain paper and Heavyweight cannot be recognized).

[Detection Conditions]

When Plain Paper was fed although the User has specified for Transparency, or when Transparency was fed when the specification was for anything other than Transparency.

[Corrective Actions]

Load Transparency, Plain Paper, or the correct Paper Type as specified, and then clear the error.

007-969 CentreTray full stack

[Error Type]

Operation

[Fault Content]

Full Stack Fail

[Detection Conditions]

Paper Full Stack on the Center Tray was detected.

[Corrective Actions]

Remove the paper from the Tray.

010-414 Fusing Unit Web Life End

[Fault Name]

Fusing Unit Web Life End

[Error Type]

Information

[Fault Content]

Fusing Unit Web Life End

[Detection Conditions]

The Fusing Cleaning WEB Unit Life End (Dead Stop) has occurred.

[Corrective Actions]

Replace the Fusing Cleaning WEB Unit.

011-941 MBX #01 Bin Full Stack

[Error Type]

Operation Fail

[Fault Content]

Full Stack is detected at the relevant Bin.

[Detection Conditions]

The maximum Stack size is detected by the Full Stack Sensor.

[Corrective Actions]

Remove paper from the Finisher Top Tray.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

011-942 MBX #02 Bin Full Stack

[Error Type]

Operation Fail

[Fault Content]

Full Stack is detected at the relevant Bin.

[Detection Conditions]

The maximum Stack size is detected by the Full Stack Sensor.

[Corrective Actions]

Remove paper from the Finisher Top Tray.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

011-943 MBX #03 Bin Full Stack

[Error Type]

Operation Fail

[Fault Content]

Full Stack is detected at the relevant Bin.

[Detection Conditions]

The maximum Stack size is detected by the Full Stack Sensor.

[Corrective Actions]

Remove paper from the Finisher Top Tray.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

011-944 MBX #04 Bin Full Stack

[Error Type]

Operation Fail

[Fault Content]

Full Stack is detected at the relevant Bin.

[Detection Conditions]

The maximum Stack size is detected by the Full Stack Sensor.

[Corrective Actions]

Remove paper from the Finisher Top Tray.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

011-945 MBX #05 Bin Full Stack

[Error Type]

Operation Fail

[Fault Content]

Full Stack is detected at the relevant Bin.

[Detection Conditions]

The maximum Stack size is detected by the Full Stack Sensor.

[Corrective Actions]

Remove paper from the Finisher Top Tray.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

011-946 MBX #06 Bin Full Stack

[Error Type]

Operation Fail

[Fault Content]

Full Stack is detected at the relevant Bin.

[Detection Conditions]

The maximum Stack size is detected by the Full Stack Sensor.

[Corrective Actions]

Remove paper from the Finisher Top Tray.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

011-947 MBX #07 Bin Full Stack

[Error Type]

Operation Fail

[Fault Content]

Full Stack is detected at the relevant Bin.

[Detection Conditions]

The maximum Stack size is detected by the Full Stack Sensor.

[Corrective Actions]

Remove paper from the Finisher Top Tray.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

[Corrective Actions]

Remove paper from the Finisher Top Tray.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

011-948 MBX #08 Bin Full Stack

[Error Type]

Operation Fail

[Fault Content]

Full Stack is detected at the relevant Bin.

[Detection Conditions]

The maximum Stack size is detected by the Full Stack Sensor.

[Corrective Actions]

Remove paper from the Finisher Top Tray.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

011-949 MBX #09 Bin Full Stack

[Error Type]

Operation Fail

[Fault Content]

Full Stack is detected at the relevant Bin.

[Detection Conditions]

The maximum Stack size is detected by the Full Stack Sensor.

[Corrective Actions]

Remove paper from the Finisher Top Tray.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

011-950 MBX #10 Bin Full Stack

[Error Type]

Operation Fail

[Fault Content]

Full Stack is detected at the relevant Bin.

[Detection Conditions]

The maximum Stack size is detected by the Full Stack Sensor.

012-500 Write to Finisher/MACS-ROM error detection (During DLD method)

[Error Type]

Job Fail

[Fault Content]

An error has occurred during the process of writing data to the Finisher/MACS-ROM (During DLD method)

[Detection Conditions]

Error was detected when writing into the Finisher-ROM (or MACS-ROM on the DCCf450MP).

Does not operate normally because the ROM content has been erased.

[Corrective Actions]

If the trouble persists after retrying, replace the Finisher-ROM (or MACS-ROM on the DCCf450MP) and download again to perform the upgrade.

012-911 Stacker Lower Safety

[Error Type]

Operation

[Fault Content]

Stacker Lower Safety warning

(Obstruction was found at the bottom of the Stacker Elevator)

[Detection Conditions]

The Height Alignment was not successful within 250msec when the Height Adjustment was performed for output paper to the Stacker Tray (Tray lowering down) in the middle of a job.

[Corrective Actions]

Remove all paper from the Stacker and check the operation of the Finisher Stacker No Paper Sensor. If it is not working, replace it.

012-914 Stacker Tray Staple Set Over Count

[Error Type]

Operation

[Fault Content]

Stacker Tray Staple Set Over Count

[Detection Conditions]

The Staple Set Count of the Stacker Tray has exceeded 50 sets during the Staple Set Eject operation.

[Corrective Actions]

Remove all paper from the Stacker and check the operation of the Finisher Stacker No Paper Sensor. If it is not working, replace it.

012-965 Stapler Pin near empty

[Error Type]

Operation

[Fault Content]

Finisher Stapler Pin NEAR EMPTY

[Detection Conditions]

It is detected when any of the following has occurred:

- Low Staple Sensor ON is detected during power ON and Interlock Close
- Low Staple Sensor ON is detected right before the Staple Head Close operation

[Corrective Actions]

Use the Generic FIP to check the Sensor.

If required, replace the Low Staple Sensor.

012-966 Scratch Sheet Compile

[Error Type]

Operation

[Fault Content]

Scratch Sheet Compile

[Detection Conditions]

When abnormal paper (Scratch Sheet), which is notified from the IOT via the Delivered Sheet Break command, was output to the Compiler

[Corrective Actions]

Use the Generic FIP to check the Sensor.

If required, replace the Top Cover Interlock.

012-969 IOT Center Tray Full

[Error Type]

Operation

[Fault Content]

IOT Center Tray Full

[Detection Conditions]

When the H-Tra IOT Full Paper Sensor is detected to be ON for 10 successive seconds.

[Corrective Actions]

Use the Generic FIP to check the Sensor.

If required, replace the H-Tra IOT Full Paper Sensor.

016-210 SW Option Fail (HDD Not Exist)

[Error Type]

Local Fail

[Fault Content]

[SW optional function not achieved]

One of the SW option functions cannot be executed due to a HDD error or HDD not installed.

[Detection Conditions]

The Controller Board HDD was not installed or an error was detected when SW optional function was enabled.

[Option name to be detected]

- Internet FAX Kit
- Address Book Expansion Kit
- Water Marking Kit
- Data Security Kit
- Annotation
- Scanner Kit

[Corrective Actions]

Turn the power OFF then ON.

Check the HDD connector.

Install or replace the HDD to the Controller Board.

016-211 SW Option Fail (SysMemory Low)

[Error Type]

Local Fail

[Fault Content]

[SW optional function not achieved]

Insufficient System Memory was detected.

[Detection Conditions]

With SW optional functions set to Available, the System Memory of the Controller Board is insufficient.

[Corrective Actions]

Turn the power OFF then ON.

Expand the Memory (Option) of the Controller Board.

016-212 SW Option Fail (Page Memory Low)

[Error Type]

Local Fail

[Fault Content]

[SW optional function not achieved]

Insufficient Page Memory was detected.

[Detection Conditions]

One of the SW option functions cannot be executed due to insufficient Page Memory capacity.

[Corrective Actions]

Turn the power OFF then ON.

Expand the Memory (Page) of the Controller Board.

016-213 SW Option Fail (Printer CARD Not Exist)

[Error Type]

Local Fail

[Fault Content]

[SW optional function not achieved]

One of the SW option functions cannot be executed due to a PRT_CARD error or PRT_CARD not installed.

[Detection Conditions]

The PRT_CARD was not installed or an error was detected when SW optional function was enabled.

[Option name to be detected]

- Internet FAX kit

[Corrective Actions]

Turn the power OFF then ON.

Install the PRT_CARD if it is not installed.

Replace it if it is installed.

016-214 SW Option Fail (Fax CARD Not Exist)

[Error Type]

Local Fail

[Fault Content]

[SW optional function not achieved]

One of the SW optional functions cannot be executed due to a FAX_CARD error or FAX_CARD not installed.

[Detection Conditions]

The FAX_CARD was not installed or an error was detected when SW optional function was enabled.

[Option name to be detected]

- Internet FAX Kit

[Corrective Actions]

Turn the power OFF then ON.

Install the FAX_CARD if it is not installed.

Replace it if it is installed.

016-215 SW Option Fail (JPEG board Not Exist)

[Error Type]

Local Fail

[Fault Content]

[SW optional function not achieved]

An JPEG Board error or JPEG Board not installed was detected.

[Detection Conditions]

The scanner functions cannot be executed due to a JPEG Board error or JPEG Board not installed.

[Corrective Actions]

Turn the power OFF then ON.

Install the JPEG Board if it is not installed.

Replace it if it is installed.

016-216 SW Option Fail (ExtMemory Not Exist)**[Error Type]**

Local Fail

[Fault Content]

[SW optional function not achieved]

The system detected that the Extension Memory was not installed.

[Detection Conditions]

Color Scanner or SACAN_ACS functions cannot be executed because the Extension Memory is not installed.

[Corrective Actions]

Turn the power OFF then ON.

Pull out and then insert the IISS Extension Memory (memory on the extension PWB at the side of the IIT-IPS).

If the problem persists, replace the ExtPWB.

016-217 SW Option Fail (Controller ROM not Printer kit)**[Error Type]**

Local Fail

[Fault Content]

[SW optional function not achieved]

Controller ROM does not support Printer Kit.

[Detection Conditions]

The Controller ROM does not support the appropriate options when SW optional function was enabled.

[Option name to be detected]

- Printer Kit

[Corrective Actions]

Turn the power OFF then ON.

Upgrade the firmware in the Controller ROM that supports Printer Kit.

016-218 PS KIT Not Exist for XDOD**[Error Type]**

Local Fail

[Fault Content]

[SW optional function not achieved]

The PS Kit required for XDOD function was not installed.

[Detection Conditions]

The XDOD functions cannot be executed as the PS Kit not installed.

[Corrective Actions]

Turn the power OFF then ON.

Install the PS Kit.

016-219 License is required (Printer Kit).**[Error Type]**

Local Fail

[Fault Content]

[SW optional function not achieved]

The ROM was replaced without license (Printer Kit SW Key not set).

[Detection Conditions]

Only the Controller ROM was replaced and activated with the SW optional function disabled.

[Option name to be detected]

- Printer Kit

[Corrective Actions]

Turn the power OFF then ON.

Set the Printer Kit SW key to 'Enabled'.

016-220 S2X unrecoverable error**[Error Type]**

Local Fail

[Fault Content]

The High Compression PDF Board (S2X) has a fatal error

[Detection Conditions]

A unrecoverable error was detected at the S2X PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, replace the S2X PWB.

016-221 S2X communication error

[Error Type]

Local Fail

[Fault Content]

The High Compression PDF Board (S2X) Communication failure

[Detection Conditions]

Communication with the S2X PWB has failed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, replace the S2X PWB.

016-222 S2X self-diag error**[Error Type]**

Local Fail

[Fault Content]

An error has occurred in the self-diagnostics of the High Compression PDF Board (S2X)

[Detection Conditions]

An error has occurred in the S2X PWB self-diagnostics.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, replace the S2X PWB.

016-223 S2X SDRAM Error**[Error Type]**

Local Fail

[Fault Content]

The High Compression PDF Board (S2X) failed the SDRAM Write/Read Test

[Detection Conditions]

The S2X PWB has failed the Write/Read test of the internal SDRAM.

[Corrective Actions]

1. Pull out and insert the SDRAM memory to check the installation.
2. Replace the S2X PWB.

016-224 S2X PCI Reg Error**[Error Type]**

Local Fail

[Fault Content]

The High Compression PDF Board (S2X) failed the PCI Register Write/Read Test

[Detection Conditions]

The S2X PWB has failed to access to the internal PCI space.

[Corrective Actions]

1. Pull out and insert the SDRAM memory to check the installation.

2. Replace the S2X PWB.

016-225 S2X ROM CheckSum Error**[Error Type]**

Local Fail

[Fault Content]

The High Compression PDF Board (S2X) failed the ROM CheckSum

[Detection Conditions]

S2X PWB failed the ROM Check Sum Test.

[Corrective Actions]

Replace the S2X PWBA.

016-226 S2X IIT Connection Error**[Error Type]**

Local Fail

[Fault Content]

IISS-S2X Communication Failure

[Detection Conditions]

The S2X PWB failed to detect the video clocks sent from the IIT.

[Corrective Actions]

1. Check the cabling between the IISS-S2X.
2. If NG, replace the cable.
3. If NG after replacing the cable, replace the S2X PWB.
4. If NG after replacing the S2X PWB, replace the Ext PWB.
5. If NG after replacing the Ext Board, replace the S2X PWB.

016-227 S2X DDR Error**[Error Type]**

Local Fail

[Fault Content]

The High Compression PDF Board (S2X) failed the DDR Write/Read Test

[Detection Conditions]

The S2X PWB failed the Write/Read test of the internal DDR memory.

[Corrective Actions]

Replace the S2X PWBA.

016-228 S2X Image Processing Error**[Error Type]**

Local Fail

[Fault Content]

The High Compression PDF Board (S2X) failed the Image Processing Test

[Detection Conditions]

The S2X PWB failed the desired value comparison of the high-compression process results using the internal test patterns.

[Corrective Actions]

1. Pull out and insert the SDRAM memory to check the installation.
2. Replace the S2X PWBA.

016-229 SW Option Fail (FCW-UI Not Exist)**[Error Type]**

Local Fail

[Fault Content]

[SW optional function not achieved]
FCW Panel not connected

[Detection Conditions]

The HB-UI is connected when the FCW Panel option is set.

[Corrective Actions]

Disconnect the HB-UI and connect the FCW-UI.

016-230 License is required (PS ImageLog Kit)**[Error Type]**

Local

[Fault Content]

[SW optional function not achieved] The PS-ROM was installed with 'SW key: Image Log Kit for PS' in disabled state.

[Detection Conditions]

The PS-ROM was installed in a machine where SW key: 'Image Log Kit Enabled' and SW key: 'Image Log Kit for PS Disabled' are specified.

When the 'PS-ROM' is installed in the machine, the image log function cannot operate unless the 'Image Log Kit for PS' has been purchased (separate purchase).

[Corrective Actions]

Set 'SW key: Image Log Kit' to 'Enabled'.

016-231 SW Option Fail (Image Ext PWB Not Exist)**[Error Type]**

Local Fail

[Fault Content]

[SW optional function not achieved]

Any one of the SW Options cannot be realized due to failures/non-installation of the Image Ext PWB.

[Detection Conditions]

When the SW Option function is set to 'Enabled', the Controller Board either detected that the Image Ext PWB is not installed, or the Image Ext PWB has failed.

'Option Name targeted for detection'

Thumbnail SW Option

Preview SW Option

Image Lock SW Option

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, carry out the following procedure:

The Image Extension Kit (Ama + toto board) has a failure or is not installed. Replace or install it.

016-232 MRC HW Initialize Error**[Error Type]**

Local Fail

[Fault Content]

MRC HW Initialize Error

[Detection Conditions]

Error has occurred during initialization of the High Compression Board

[Corrective Actions]

Replace the High Compression Board.

If the problem persists, contact the Development Dept. to request for investigation.

If the cause of error is not clear, perform the following and check whether the status has improved.

- Replace the Memory Modules on the Main PWBA
- Replace the Main PWBA.

016-233 SW Option Fail (USB Host Not Exist)**[Error Type]**

Local Fail

[Fault Content]

[SW optional function not achieved] Any one of the SW optional functions cannot be used because the USB Host has a failure/is not installed.

[Detection Conditions]

When the SW optional function is being enabled, the USB port (and USB Host Card) for the Controller board was detected to be not installed or having errors.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, install the USB Host Card on the Controller board.

016-234 XCP Out of Memory Error

[Error Type]

local

[Fault Content]

Lack of memory causes the XCP to stop.

[Detection Conditions]

The software module that runs Java within the Controller has ran out of memory and became unable to continue operating.

[Corrective Actions]

1. Turn the power OFF then ON.
2. Initialize the HDD.

016-235 XCP Internal Error

[Error Type]

local

[Fault Content]

Another internal error causes the XCP function to stop.

[Detection Conditions]

It has been detected that the JVM has stopped due to an internal error.

[Corrective Actions]

1. Turn the power OFF then ON.
2. Initialize the HDD.

016-236 XCP not active

[Error Type]

Local

[Fault Content]

XCP not activated error

[Detection Conditions]

When the SecSys Task detected any of the following conditions during Start Up.

(Condition 1) The Authentication Mode is Custom Authentication and the embedded plug-in feature has become disabled.

(Condition 2) The Authentication Mode is Custom Authentication and the XPC smart card selection service status has not become 'Active'. (PFV_SELECTION_SERVICE_XCP_SMARTCARD)

[Corrective Actions]

Turn the power OFF and ON.

If the problem persists, perform checks as follows:

1. Enable the embedded plug-in feature.
For UI Panel:

Login as System Administrator, select [System Settings] -> [Common Service Settings] -> [Plug-in Settings], set [Embedded Plug-ins] to [Enabled] and reboot the machine.

For CWIS:

Login as System Administrator, select [Properties] tab, [Security] -> [Plug-in Settings] -> [Plug-in Settings], enable [Plug-in Settings] and reboot the machine.

2. Input the software key for the Authentication Customization Kit.

016-237 Auth plugin not active

[Error Type]

Local

[Fault Content]

Authentication custom plug-in not activated error

[Detection Conditions]

When the SecSys Task detected any of the following conditions during Start Up.

(Condition 1) The Authentication Mode is Custom Authentication and the authentication custom plug-in is not registered.

(Condition 2) The Authentication Mode is Custom Authentication and the authentication custom plug-in is not activated.

(Condition 3) Failure when reading the file of authentication custom plug-in.

[Corrective Actions]

Turn the power OFF and ON.

If the problem persists, perform the following:

Login as System Administrator at CWIS, select [Properties] tab, [Security] -> [Plug-in Settings] -> [List of Embedded Plug-ins], register the authentication custom plug-in and reboot the machine.

016-238 Custom svc not active

[Error Type]

Local

[Fault Content]

Custom service not activated error

[Detection Conditions]

When the SecSys Task detected the following condition during Start Up.

(Condition 2) The Authentication Mode is Custom Authentication and the Custom Service Management selection service status has not become 'Active'.
(PFV_SELECTION_SERVICE_CUSTOM_SERVICE)

[Corrective Actions]

Turn the power OFF and ON.

If the problem persists, perform the following:

Input the software key for the External Access Kit.

016-239 Auth contents not exist

[Error Type]

Local

[Fault Content]

Authentication custom service not registered error

[Detection Conditions]

When the SecSys Task detected the following condition during Start Up.

(Condition 1) The Authentication Mode is Custom Authentication and the authentication custom service is not registered.

[Corrective Actions]

Turn the power OFF and ON.

If the problem persists, perform the following:

Register the authentication custom service.

016-240 S2X NVM CheckSum Fail**[Error Type]**

Local Fail

[Fault Content]

The High Compression PDF Board (S2X) failed the NVM CheckSum

[Detection Conditions]

S2X failed the NVM CheckSum Test.

[Corrective Actions]

Replace the S2X PWB Board (NVM memory is attached to the base).

016-241 SW Option Fail (SIP_FAX Not Exist)**[Fault Name]**

SW Option Fail (SIP_FAX Not Exist)

[Error Type]

Local

[Fault Content]

<SW optional function not achieved> The NGN optional function did not become available because the SIP_FAX SW Key is not enabled.

[Detection Conditions]

When the NGN optional function is set to 'Enabled', the SIP_FAX SW Key is not enabled.

[Corrective Actions]

Purchase the SIP_FAX Kit. (Only for customers who had not purchased it)

Enable the SIP_FAX SW Key.

016-242 System GMT Clock Fail**[Fault Name]**

System GMT Clock Fail

[Error Type]

Local

[Fault Content]

System GMT Clock Fail.

[Detection Conditions]

The iotc had called the sysGmtClkGetTimer(), which returned an Error value (completed with error).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, do the following:

1. If an NVM PWB exists, replace the NVM PWB.
2. Replace the ESS PWB.

016-310 ssmm Job Log Full**[Error Type]**

system fail

[Fault Content]

SSMM job log full

[Detection Conditions]

A job log file was not gotten from the external application (AWAS) and the number of files stored exceeded the specified value (280).

[Corrective Actions]

Get a job log file from the external application (AWAS) via SSMI. After that turn the power OFF then ON.

If the problem persists, perform the following:

Get a job log file from the external application (AWAS) via SSMI. After that turn the power OFF then ON.

016-311 No Scanner that Should Be**[Error Type]**

Sub System Fail

[Fault Content]

Scanner is not installed although scanner is a standard equipment.

[Detection Conditions]

The system detected that the scanner was not installed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Install or replace the I/F between the scanner and the Main Processor.
2. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

016-312 SW Option Fail (Hybrid WaterMark Not Exist)

[Error Type]

Sub

[Fault Content]

[SW optional function not achieved] Because the Hybrid Watermark detection H/W is not installed, the SW option (Secure Watermark Kit) did not become available.

[Detection Conditions]

When the SW optional function is being enabled, the system detected that the Hybrid Watermark Detection H/W is not installed. This is detected prior to 016-313.

Option name to be detected

'Secure Watermark Kit'

[Corrective Actions]

Check the installation of the Hybrid Watermark Detection H/W. If it is installed, turn the power OFF then ON. If the problem persists, it could be due to detection error. Replace the Hybrid Watermark Detection H/W or the IISS Board.

If the problem persists, perform the following procedure:

OF-01 Common System Fail

016-313 Hybrid WaterMark setting mismatch

[Error Type]

Sub

[Fault Content]

The SW option (Secure Watermark Kit) did not become enabled

[Detection Conditions]

The Hybrid WaterMark Detection H/W was detected but the SW option (Secure Watermark Kit) did not become enabled. The detection timing is only during power ON/reboot, and is performed after 016-312.

[Corrective Actions]

Enable the SW option (Secure Watermark Kit).

If the problem persists, perform the following procedure:

OF-01 Common System Fail

016-314 SW Option Fail (Hybrid WaterMark Not Exist)

[Error Type]

system fail

[Fault Content]

[SW optional function not achieved]

The board for detecting the back (side 2) of a document is not installed. Therefore [Paper Security] is unavailable.

[Detection Conditions]

When the SW optional function is set to 'Available' and DADF: PF1.5 and IIT:PF1-BW are combined, the machine with two HWM boards (for the face and the back) is supposed to detect Protection Code for both sides in scanning them simultaneously. However, when only either of the boards is installed, the Paper Security function is available for the detected side.

[Corrective Actions]

Turn the power OFF then ON.

Install the board for detecting the back (side 2) of a document if it is not installed.

If the problem persists, perform the following:

OF-01 Common System Fail

016-315 IIT Interface Fail

[Error Type]

Sub System Fail

[Fault Content]

IF between IIT and Controller broken

[Detection Conditions]

An error in the I/F between the scanner and the Main Processor was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Reinstall or replace the IF between the scanner and the Main Processor.
2. Replace the Controller board or the IISS.

If the problem persists, perform the following.

OF-01 Common System Fail

016-316 Page Memory Not Detected

[Error Type]

Sub System Fail

[Fault Content]

Page Memory (Standard) cannot be detected.

[Detection Conditions]

The system detected that the Page Memory (standard) of the scanner was not installed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert the Page Memory (standard).
2. Replace the Page Memory (standard).

If the problem persists, perform the following.

OF-01 Common System Fail

016-317 Page Memory Broken- Standard

[Error Type]

Sub System Fail

[Fault Content]

Page Memory (Standard) broken.

[Detection Conditions]

The system detected an error in the Page Memory (standard) of the scanner.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert the Page Memory (standard).
2. Replace the Page Memory (standard).

If the problem persists, perform the following.

OF-01 Common System Fail

016-318 Page Memory Broken- Option**[Error Type]**

Sub System Fail

[Fault Content]

Page Memory (Option) broken.

[Detection Conditions]

The system detected an error in the Page Memory (option) of the scanner.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert the Page Memory (option).
2. Replace the Page Memory (option).

If the problem persists, perform the following.

OF-01 Common System Fail

016-319 Long Boot Diag IIT Interface Fail**[Fault Name]**

Long Boot Diag IIT Interface Fail

[Error Type]

Subsystem

[Fault Content]

IF between IIT and Controller broken (OS detection)

[Detection Conditions]

An error in the I/F between the scanner and the Main Unit was detected.

[Corrective Actions]

Turn the power OFF/ON. If the problem persists, do the following:

1. Install or replace the I/F between the scanner and the Main Unit.

2. Replace the ESS PWB or the IISS PWB.

016-320 Document Formatter Fatal Error**[Error Type]**

Sub System Fail

[Fault Content]

The Document Formatter S/W of the CopyServer function has a fatal error

[Detection Conditions]

A software error was detected when documents were converted.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

016-321 Fax Module Error**[Error Type]**

Sub System Fail

[Fault Content]

Fax related error at booting

[Detection Conditions]

SysCheckFax() returned error. When PFNOTEXIST is returned, the system is determined to have a configuration without Fax.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-07 FAX System Fail

016-322 JBA Account Full**[Error Type]**

Sub System Fail

[Fault Content]

JBA Accounting Data Full

[Detection Conditions]

The cumulated accounting data reached the specified value (15,000).

[Corrective Actions]

1. After an external Accounting Server has read the accounting data, turn the power OFF then ON.
2. If the problem persists, refer to the following to repair the problem.

OF-01 Common System Fail

016-323 B-Formatter Fatal Error**[Error Type]**

Sub Fail

[Fault Content]

Fatal Error has occurred in the B-Formatter task

[Detection Conditions]

An unrecoverable error was detected in the image conversion processing section of the B-Formatter task used for sending Fax from the extended Mailbox for 'Multi-Send using Instruction Manual' or 'Multi-Send UI'

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, refer to the following to repair it.

There is no need to change the ESS-PWB.

OF-01 Common System Fail

016-324 Scheduled Image Overwrite**[Error Type]**

Sub Fail

[Fault Content]

Scheduled Image Overwrite

[Detection Conditions]

SysCon is issued when it is time to perform the Scheduled Image Overwrite.

[Corrective Actions]

Wait until the Scheduled Image Overwrite has completed.

To cancel it, turn the power OFF and ON.

016-325 Using Personal Certificate**[Error Type]**

sub

[Fault Content]

Using Personal Certificate

[Detection Conditions]

The IC Card personal certificate is set in the certificate for signing.

[Corrective Actions]

Set system data 790-389 to 0.

016-326 Cont-UI Cable Connection Fail**[Error Type]**

Sub

[Fault Content]

Cont-UI Cable Connection Fail

[Detection Conditions]

The controller has detected a failure at its cable connection with the UI

[Corrective Actions]

Turn the power OFF and ON

If the problem persists, perform the following:

1. Check the connection of the cable between the controller and UI.
2. Replace the cable.

016-327 BackPlane Connection Fail**[Error Type]**

Sub

[Fault Content]

BackPlane Connection Fail

[Detection Conditions]

The controller has detected a failure at its connection with the BackPlane

[Corrective Actions]

Turn the power OFF and ON.

If the problem persists, perform the following:

1. Pull out and reinsert the controller.

016-328 Cont-MCU Cable Connection Fail**[Error Type]**

Sub

[Fault Content]

Cont-MCU Cable Connection Fail

[Detection Conditions]

The controller has detected a failure at its cable connection with the MCU

[Corrective Actions]

Turn the power OFF and ON.

If the problem persists, perform the following:

1. Check the connection of the cable between the controller and MCU.
2. Replace the cable.

016-329 Long Boot Diag Page Memory Not Detected Fail**[Fault Name]**

Long Boot Diag Page Memory Not Detected Fail

[Error Type]

Subsystem

[Fault Content]

Page Memory (Standard) cannot be detected (OS detection)

[Detection Conditions]

Controller Section Page Memory (Standard) was detected to be not installed.

[Corrective Actions]

Turn the power OFF/ON. If the problem persists, do the following:

1. Remove and reinstall the Page Memory (Standard)
2. Replace the Page Memory (Standard)

016-330 Cont System Memory Fail-1**[Error Type]**

System Fail

[Fault Content]

Cont SystemMemory Diagnostic Fail-1

[Detection Conditions]

The memory size that is installed in Slot 1 is detected to be outside the specification value.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert ESS RAM DIMM #1.
2. Replace ESS RAM DIMM #1.
3. Replace the Controller board.

016-331 Cont System Memory Fail-2**[Error Type]**

System Fail

[Fault Content]

Cont SystemMemory Diagnostic Fail-2

[Detection Conditions]

The memory size that is installed in Slot 2 is detected to be outside the specification value.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert ESS RAM DIMM #2.
2. Replace ESS RAM DIMM #2.
3. Replace the Controller board.

016-332 Cont System Memory Fail-3**[Error Type]**

System Fail

[Fault Content]

Cont SystemMemory Diagnostic Fail-3

[Detection Conditions]

The total memory size that is installed in Slot 1 and 2 is detected to be outside the specification value.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert ESS RAM DIMM #1 and ESS RAM DIMM #2.
2. Replace ESS RAM DIMM #1 and ESS RAM DIMM #2.
3. Replace the Controller board.

016-333 Long Boot Diag Page Memory Broken Standard Fail**[Fault Name]**

Long Boot Diag Page Memory Broken Standard Fail

[Error Type]

Subsystem

[Fault Content]

Page Memory (Standard) broken (OS detection)

[Detection Conditions]

Controller Section Page Memory (Standard) error was detected.

[Corrective Actions]

Turn the power OFF/ON. If the problem persists, do the following:

1. Remove and reinstall the Page Memory (Standard)
2. Replace the Page Memory (Standard)

016-334 Long Boot Diag Page Memory Broken Option Fail**[Fault Name]**

Long Boot Diag Page Memory Broken Option Fail

[Error Type]

Subsystem

[Fault Content]

Page Memory (Option) broken (OS detection)

[Detection Conditions]

Controller Section Page Memory (Option) error was detected.

[Corrective Actions]

Turn the power OFF/ON. If the problem persists, do the following:

1. Remove and reinstall the Page Memory (Option)
2. Replace the Page Memory (Option)

016-335 Cont ProgramROM Fail-1

[Error Type]

System Fail

[Fault Content]

Cont ProgramROM Diagnostic Fail-1

[Detection Conditions]

The Checksum of Program ROM2 does not match.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Replace ESS ROM DIMM #2.
2. Replace the Controller board.

016-336 Cont ProgramROM Fail-2**[Error Type]**

System Fail

[Fault Content]

Cont ProgramROM Diagnostic Fail-2

[Detection Conditions]

Program ROM1 write command has failed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert ESS ROM DIMM #1.
2. Replace ESS ROM DIMM #1.
3. Remove and insert the Printer Kit.
4. Replace the Printer Kit.
5. Replace the Controller board.

016-337 Cont ProgramROM Fail-3**[Error Type]**

System Fail

[Fault Content]

Cont ProgramROM Diagnostic Fail-3

[Detection Conditions]

Program ROM2 write command has failed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert ESS ROM DIMM #2.
2. Replace ESS ROM DIMM #2.
3. Replace the Controller board.

016-338 Cont FontROM Fail-1**[Error Type]**

System Fail

[Fault Content]

Cont FontROM Diagnostic Fail-1

[Detection Conditions]

The Font ROM ID that is installed OnBoard is detected to be outside the specification value.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Replace the Printer Kit.
2. Replace the Controller board.

016-339 Cont FontROM Fail-2**[Error Type]**

System Fail

[Fault Content]

Cont FontROM Diagnostic Fail-2

[Detection Conditions]

The Font ROM ID that is installed in Slot 1 is detected to be outside the specification value.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert ESS Font ROM DIMM #1.
2. Replace ESS Font ROM DIMM #1.
3. Remove and insert the Printer Kit.
4. Replace the Printer Kit.
5. Replace the Controller board.

016-340 Cont FontROM Fail-3**[Error Type]**

System Fail

[Fault Content]

Cont FontROM Diagnostic Fail-3

[Detection Conditions]

The Font ROM ID that is installed in Slot 2 is detected to be outside the specification value.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert ESS Font ROM DIMM #2.
2. Replace ESS Font ROM DIMM #2.
3. Replace the Controller board.

016-341 Cont FontROM Fail-4**[Error Type]**

System Fail

[Fault Content]

Cont FontROM Diagnostic Fail-4

[Detection Conditions]

The Checksum of Font ROM that is installed in Slot 2 does not match.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert ESS Font ROM DIMM #2.
2. Replace ESS Font ROM DIMM #2.
3. Replace the Controller board.

016-342 Cont RTC Fail**[Error Type]**

System Fail

[Fault Content]

Cont RTC Diagnostic Fail

[Detection Conditions]

The range of RTC time is out of the specification value (E.g. Day 36 Month 13)
The time is not moving forward

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, perform the following procedures in sequence.

1. Replace the failed component.
2. Replace the Controller Board.

016-343 Long Boot Diag Timer Fail**[Fault Name]**

Long Boot Diag Timer Fail

[Error Type]

Subsystem

[Fault Content]

Timer Fail (OS detection)

[Detection Conditions]

A Timer error was detected.

[Corrective Actions]

Turn the power OFF/ON. If the problem persists, do the following:

1. If an NVM PWB exists, replace the NVM PWB.
2. Replace the ESS PWB

016-345 Cont NV-Memory Fail**[Error Type]**

System Fail

[Fault Content]

Cont NV-Memory Diagnostic Fail

[Detection Conditions]

The data of the header address is detected to be 0x00.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Replace the NV-RAM board.
2. Replace the Controller board.

016-346 Cont A4FAX Modem Diagnosis Fail**[Fault Name]**

Cont A4FAX Modem Diagnosis Fail

[Error Type]

Subsystem

[Fault Content]

A4 Fax Modem diagnosis error.

[Detection Conditions]

An A4 Fax Modem diagnosis error was detected by the Boot Diag.

[Corrective Actions]

Turn the power OFF and ON, perform the same operation and check whether the problem is reoccurring.If the trouble persists, replace the ESS PWB.

016-347 Cont PageMemory Fail**[Error Type]**

System Fail

[Fault Content]

Cont PageMemory Diagnostic Fail

[Detection Conditions]

The memory size that is installed in Slot 2 is detected to be outside the specification value.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert the Page Memory (option).
2. Replace the Page Memory (option).

3. Replace the Controller board.

016-348 Cont PageMemory Fail-2

[Error Type]

system fail

[Fault Content]

Cont PageMemory Fail-2

[Detection Conditions]

An error occurred in the W/R/V test on the Page Memory.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Check the Page Memory for contact.
2. Replace the Page Memory.
3. Replace the Controller board.

016-349 Cont MAC Address Data Fail

[Fault Name]

Cont MAC Address Data Fail

[Error Type]

Subsystem

[Fault Content]

MAC Address Data is incorrect.

[Detection Conditions]

The 3-byte header of the MAC Address is not an FX Code (08-00-37).

[Corrective Actions]

Turn the power OFF and ON, perform the same operation and check whether the problem is reoccurring.

[When the SEEP ROM is installed on the BP PWB]

1. Check the SEEP ROM contacts (for bent and broken pins, etc.)
2. Check the contacts between the ESS PWB and the BP PWB (for disconnected cables, etc.)
3. BP PWB
4. ESS PWB

[When the SEEP ROM is installed on the ESS PWB]

1. Check the SEEP ROM contacts (for bent and broken pins, etc.)
2. Replace the ESS PWB

If the problem still persists, it would mean that the SEEP ROM itself has to be replaced. Reinstall the various PWBs and contact the Support Department.

016-350 Cont SEEP-ROM Fail-1

[Error Type]

System Fail

[Fault Content]

Cont SEEP-ROM Diagnostic Fail-1

[Detection Conditions]

The Product ID cannot be obtained.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Check SEEPROM for contact (a bent pin, etc.).
2. Check the Controller board and the BP board for contact (disconnected cable, etc.).
3. Replace the Controller board.

016-351 Cont SEEP-ROM Fail-2

[Error Type]

System Fail

[Fault Content]

Cont SEEP-ROM Diagnostic Fail-2

[Detection Conditions]

An error occurred during W/R/V test.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Check SEEPROM for contact (a bent pin, etc.).
2. Check the Controller board and the BP board for contact (disconnected cable, etc.).
3. Replace the Controller board.

016-360 Cont UI Fail-1

[Error Type]

System Fail

[Fault Content]

Cont UI Diagnostic Fail-1

[Detection Conditions]

An error occurred during W/R/V test of PCI Config interval.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert the UI card.
2. Replace the UI card.
3. Replace the Controller board.

016-362 Cont UI Fail-2

[Error Type]

System Fail

[Fault Content]

Cont UI Diagnostic Fail-2

[Detection Conditions]

UI Communication error has occurred.

An error occurred during W/R/V test of VRAM. The Command/Status line is normal if entering the Long Boot Mode.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Disconnect and connect the UI cable.
2. Remove and insert the UI card.
3. Replace the UI cable.
4. Replace the UI card.
5. Replace the UI.
6. Replace the Controller board.

016-363 Cont LyraCard Fail**[Error Type]**

System Fail

[Fault Content]

Cont JPEG Card diagnosed as having a failure

[Detection Conditions]

An error occurred during W/R/V test of PCI Config interval or W/R/V test of internal register.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert the Lyzer card.
2. Remove and insert the JPEG board.
3. Replace the Lyzer card.
4. Replace the JPEG board.
5. Replace the Controller board.

016-364 Cont USB2.0 Host Fail**[Error Type]**

System Fail

[Fault Content]

Cont USB2.0 Host Diagnostic Fail

[Detection Conditions]

An error occurred during W/R/V test of PCI Config interval or W/R/V test of internal register.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert the Lyzer card.
2. Remove and insert the USB 2.0 Host card.
3. Replace the Lyzer card.
4. Replace the USB2.0Host card.
5. Replace the Controller board.

016-365 Cont USB2.0 Device Fail**[Error Type]**

System Fail

[Fault Content]

Cont USB2.0 Device Diagnostic Fail

[Detection Conditions]

An error occurred during W/R/V test of PCI Config interval or W/R/V test of internal register.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and install the Lyzer card.
2. Remove and install the USB 2.0 Device card.
3. Replace the Lyzer card.
4. Replace the USB 2.0 Device card.
5. Replace the Controller board.

016-366 Cont HDD Fail-1**[Error Type]**

System Fail

[Fault Content]

Cont HDD Diagnostic Fail-1

[Detection Conditions]

An error has occurred during IDE Controller check (ideDrv equivalent)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Disconnect and connect the HDD cable.
2. Remove and insert the HDD.
3. Replace the HDD and the HDD cable.
4. Replace the Controller board.

016-367 Cont HDD Fail-2**[Error Type]**

System Fail

[Fault Content]

Cont HDD Diagnostic Fail-2

[Detection Conditions]

An error occurred during W/R/V test of HDD.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Disconnect and connect the HDD cable.
2. Remove and insert the HDD.
3. Replace the HDD and the HDD cable.
4. Replace the Controller board.

016-368 Cont Torino Fail

[Error Type]

System Fail

[Fault Content]

Cont Torino Diagnostic Fail

[Detection Conditions]

An error occurred during W/R/V test of PCI Config interval or W/R/V test of internal register.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert the Lyzer card.
2. Remove and insert the Torino board.
3. Replace the Lyzer card.
4. Replace the Torino board.
5. Replace the Controller board.

016-369 Cont S2X PWB Fail

[Error Type]

System Fail

[Fault Content]

Cont S2X Board Diagnostic Fail

[Detection Conditions]

An error occurred during W/R/V test of PCI Config interval.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Remove and insert the Lyzer card.
2. Remove and insert the S2X board.
3. Replace the Lyzer card.
4. Replace the S2X board.
5. Replace the Controller board.

016-370 Cont Fail

[Error Type]

system fail

[Fault Content]

Cont Rendering Engine diagnosed as having a failure

[Detection Conditions]

A defect was detected during a diagnostic check of the Rendering Engine.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following.

1. Replace the Controller board.

016-371 Cont USB1.1 Host Fail

[Error Type]

system fail

[Fault Content]

Cont USB1.1 Host diagnosed as having a failure.

[Detection Conditions]

A defect was detected during a diagnostic check of USB1.1Host (No communication with the Fax Card could be established).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following:

1. Check the cable for connection.
2. Replace the cable.
3. Replace the Fax Card.
4. Replace the Controller board.

016-372 Cont HDD FileSystem Fail-A

[Error Type]

sub

[Fault Content]

Cont HDD FileSystem Fail-A

[Detection Conditions]

Boot Diag detected a logic error with HDD (Partition A).

[Corrective Actions]

Do this procedure.

1. Power OFF then ON.
2. Initialize the HDD.

016-373 Cont HDD FileSystem Fail-B**[Error Type]**

sub

[Fault Content]

Cont HDD FileSystem Fail-B

[Detection Conditions]

Boot Diag detected a logic error with HDD (Partition B).

[Corrective Actions]

Do this procedure.

1. Power OFF then ON.
2. Initialize the HDD.

016-374 Cont HDD FileSystem Fail-C**[Error Type]**

sub

[Fault Content]

Cont HDD FileSystem Fail-C

[Detection Conditions]

Boot Diag detected a logic error with HDD (Partition C).

[Corrective Actions]

Do this procedure.

1. Power OFF then ON.
2. Initialize the HDD.

016-375 Cont HDD FileSystem Fail-D**[Error Type]**

sub

[Fault Content]

Cont HDD FileSystem Fail-D

[Detection Conditions]

Boot Diag detected a logic error with HDD (Partition D).

[Corrective Actions]

Do this procedure.

1. Power OFF then ON.
2. Initialize the HDD.

016-376 Cont HDD FileSystem Fail-E**[Error Type]**

sub

[Fault Content]

Cont HDD FileSystem Fail-E

[Detection Conditions]

Boot Diag detected a logic error with HDD (Partition E).

[Corrective Actions]

Do this procedure.

1. Power OFF then ON.
2. Initialize the HDD.

016-377 Cont HDD FileSystem Fail-F**[Error Type]**

sub

[Fault Content]

Cont HDD FileSystem Fail-F

[Detection Conditions]

Boot Diag detected a logic error with HDD (Partition F).

[Corrective Actions]

Do this procedure.

1. Power OFF then ON.
2. Initialize the HDD.

016-378 Cont HDD FileSystem Fail-G**[Error Type]**

sub

[Fault Content]

Cont HDD FileSystem Fail-G

[Detection Conditions]

Boot Diag detected a logic error with HDD (Partition G).

[Corrective Actions]

Do this procedure.

1. Power OFF then ON.
2. Initialize the HDD.

016-379 Cont HDD FileSystem Fail-H**[Error Type]**

sub

[Fault Content]

Cont HDD FileSystem Fail-H

[Detection Conditions]

Boot Diag detected a logic error with HDD (Partition H).

[Corrective Actions]

Do this procedure.

1. Power OFF then ON.
2. Initialize the HDD.

016-380 Cont HDD FileSystem Fail-I**[Error Type]**

sub

[Fault Content]

Cont HDD FileSystem Fail-I

[Detection Conditions]

Boot Diag detected a logic error with HDD (Partition I).

[Corrective Actions]

Do this procedure.

1. Power OFF then ON.
2. Initialize the HDD.

016-381 Cont HDD FileSystem Fail-J**[Error Type]**

sub

[Fault Content]

Cont HDD FileSystem Fail-J

[Detection Conditions]

Boot Diag detected a logic error with HDD (Partition J).

[Corrective Actions]

Do this procedure.

1. Power OFF then ON.
2. Initialize the HDD.

016-382 Cont HDD FileSystem Fail-P**[Error Type]**

sub

[Fault Content]

Cont HDD FileSystem Fail-P

[Detection Conditions]

Boot Diag detected a logic error with HDD (Partition P).

[Corrective Actions]

Do this procedure.

1. Power OFF then ON.
2. Initialize the HDD.

016-400 802.1x authentication failure**[Error Type]**

Info

[Fault Content]

802.1x Authentication Error (incorrect user name or password)

[Detection Conditions]

1. The user name or password that has been set in the machine is incorrect.
2. The settings are different from those in the 'authentication device' switch that is physically connected to the machine via the network.

[Corrective Actions]

1. Enter the correct user name or password for 802.1x authentication from the machine panel.
2. Check the settings in the 'authentication device' switch that is physically connected to the machine via the network.

016-401 802.1x EAP type not supported**[Error Type]**

Info

[Fault Content]

802.1x Authentication Method Mismatch (the authentication server does not support the authentication method of the machine)

[Detection Conditions]

A Fail signal, which indicates that the authentication method set in the machine cannot be processed, was received from the 'authentication device' switch that is physically connected to the machine via the network.

[Corrective Actions]

Set the authentication method of the machine to be the same as the one set in the authentication server.

Check the 802.1x authentication method from the UI.

016-402 802.1x authentication failure by timing out**[Error Type]**

Info

[Fault Content]

802.1x Authentication Timeout (there was no response signal from the 'authentication device')

[Detection Conditions]

The authentication was timed-out because there was no response signal from the 'authentication device' switch that is physically connected to the machine via the network.

[Corrective Actions]

Check the switch settings and network connections of the 'authentication device' switch that is physically connected to the machine via the network and connect it properly.

If the problem persists, check the settings of the switch that the device is connected to and the network connection.

016-403 802.1x certificate failure**[Error Type]**

Info

[Fault Content]

802.1x Authentication Certificate Mismatch

[Detection Conditions]

1. The root server certificate for the authentication server is not stored in the machine or it is mismatched.

[Corrective Actions]

1. Store the root server certificate for the authentication server in the machine.
2. If the root certificate of the server certificate cannot be obtained, disable the 802.1x setting item 'Verify Server Certificate' in the device.

016-404 802.1x inside failure**[Error Type]**

Info

[Fault Content]

Other 802.1x Authentication Errors

[Detection Conditions]

An internal error has occurred in the 802.1x supplicant function of the machine.

1. An incorrect protocol signal was received from the authentication server.

[Corrective Actions]

Repeat the operation.

If the problem persists, obtain the log and contact the Support Department for instructions.

016-405 Certificate DB File error**[Error Type]**

info

[Fault Content]

Certificate data base file is wrong.

[Detection Conditions]

When certificate database file is loaded while system is on, header error and size error are detected.

[Corrective Actions]

Errors with certificate database file were detected. Start 'Initialize certificate' under Maintenance.

016-406 802.1x client certificate failure**[Error Type]**

info

[Fault Content]

An error in setting up Client Certificate for 802.1x authentication

[Detection Conditions]

Although 'EAP-TLS' is selected as the authentication method for 802.1x authentication, SSL Client Certificate is not set up or deleted.

[Corrective Actions]

1. Store SSL Client Certificate in this machine and set it up as SSL Client Certificate.
2. If SSLClient Certificate cannot be set up, select an authentication method other than 'EAP-TLS'.

016-407 XCP Plugin Security Exception**[Error Type]**

info

[Fault Content]

Security Exception due to plug-in

[Detection Conditions]

The Package Management function has detected Security Exception.

[Corrective Actions]

Correct the plug-in and then install it again.

016-408 XCP Invalid Plugin**[Error Type]**

info

[Fault Content]

The plug-in file is invalid.

[Detection Conditions]

The Package Management function has detected the damaged Jar file.

[Corrective Actions]

Correct the plug-in and then install it again.

016-409 XCP Plugin Version Incompatible**[Error Type]**

info

[Fault Content]

Plug-in Version Mismatch

[Detection Conditions]

The Package Management function has detected a version mismatch.

[Corrective Actions]

Correct the plug-in and then install it again.

016-410 XCP_PLUGIN_PROPERTY_INVALID

[Error Type]

info

[Fault Content]

The plug-in definition file is invalid.

[Detection Conditions]

The Package Management function has detected the invalid definition file.

[Corrective Actions]

Correct the plug-in and then install it again.

016-411 XCP_UNSUPPORTED_CLASS_VERSION

[Error Type]

info

[Fault Content]

The plug-in class file version is not supported.

[Detection Conditions]

The Package Management function has detected an unsupported class file version.

[Corrective Actions]

Correct the plug-in and then install it again.

016-412 XCP Plugin Misc Error

[Error Type]

info

[Fault Content]

A plug-in error under Miscellaneous

[Detection Conditions]

The Package Management function has detected the plug-in has caused an error that is included in a miscellaneous group of errors.

[Corrective Actions]

Correct the plug-in and then install it again.

016-413 Couldnt detect proxy server automatically.

[Error Type]

info

[Fault Content]

Auto detection of the proxy has failed.

[Detection Conditions]

The proxy server could not be detected automatically.

When the proxy server is not manually set up, an automatic attempt is made to obtain the proxy server setting from the DHCP server. However, the attempt has failed.

For the details, see below:

- The contents of the obtained PAC file have a problem. (An error occurred during the running of JavaScript.)
- The PAC file could not be obtained. (Timeout/Connection error)
- The PAC file could not be obtained. (No PAC file/Too large)
- PAC File URL info could not be obtained. (Timeout)
- PAC File URL info could not be obtained. (No URL is included in the response to the inquiry.)

[Corrective Actions]

Check the following:

- the default Gateway setting
- the subnet mask setting
- the DNS Server address setting

If despite the confirmation of the above settings, the situation has not improved, contact the network administrator for advice because there is a possibility of a network failure, DHCP Server failure, or an improper DHCP Server setting. (For example, if the DHCP Server is not set up in the way that allows it to give back the proxy server address, an error of this code will occur.)

The Network Environment check items are as follows:

- The HTTP server that provides the PAC file (CFILE) is operating normally, or the server can be reached on the network.
- The contents of the PAC file have no mistakes in syntax or selected server address, or the file size is 64KB or less.
- The DHCP server that has an entry of CURL info is operating normally, or the server can be reached on the network.

When after the implementation of the corrective actions, the machine has established normal communication with the Xerox Communication Server, the fault will be cleared.

If the network is normal but the situation has not improved, collect the pfshowinfo9 log and network log immediately after the occurrence of the problem and contact the support division for directions.

016-414 Couldnt connect to Xerox server or proxy.

[Error Type]

info

[Fault Content]

Network error

[Detection Conditions]

The machine could not connect to the Xerox Communication Server or the proxy server.

(A network path problem, an open wire, etc.)

[Corrective Actions]

Check the following:

- the connection of the LAN Cable
- the IP Address setting
- the default Gateway setting
- the subnet mask setting
- the DNS Server address setting
- the proxy server address setting

If despite the confirmation of the above settings, the situation has not improved, contact the customer's network administrator because there is a possibility of a network failure.

When after the implementation of the corrective actions, the machine has established normal communication with the Xerox Communication Server, the fault will be cleared.

If the network is normal but the situation has not improved, collect the pfshowinfo9 log and network log immediately after the occurrence of the problem and contact the support division for directions.

016-415 Connection to Xerox server has timed out.

[Error Type]

info

[Fault Content]

No response from the server

[Detection Conditions]

There is no response from the Xerox Communication Server for a certain period of time, resulting in a timeout.

[Corrective Actions]

Turn the power OFF then ON.

When after the implementation of the corrective action, the machine has established normal communication with the Xerox Communication Server, the fault will be cleared.

If the situation has not improved, collect the pfshowinfo9 log and network log immediately after the occurrence of the problem and contact the support division for directions.

016-416 An invalid state message received from server.

[Error Type]

info

[Fault Content]

A server error is detected.

[Detection Conditions]

The Xerox Communication Server has responded with a message indicating an abnormal condition.

[Corrective Actions]

Turn the power OFF then ON.

When after the implementation of the corrective action, the machine has established normal communication with the Xerox Communication Server, the fault will be cleared.

If the situation has not improved, collect the pfshowinfo9 log and network log immediately after the occurrence of the problem and contact the support division for directions.

016-417 Invalid network settings were found.

[Error Type]

info

[Fault Content]

Setting error

[Detection Conditions]

An invalid or improper network setting has prevented the machine from communicating.

[Corrective Actions]

Check the following:

- the IP address setting
- the default Gateway setting
- the subnet mask setting
- the DNS Server address setting
- the proxy server address setting
- the Xerox Communication Server URL setting
- Set 'Verify the remote server certificate' to 'OFF'.

If despite the confirmation of the above settings, the situation has not improved, contact the customer's network administrator because there is a possibility of a network failure.

When after the implementation of the corrective actions, the machine has established normal communication with the Xerox Communication Server, the fault will be cleared.

If the network is normal but the situation has not improved, collect the pfshowinfo9 log and network log immediately after the occurrence of the problem and contact the support division for directions.

016-450 SMB Host name duplicated

[Error Type]

Time Bomb (Information)

[Fault Content]

SMB Host Name Duplicated

[Detection Conditions]

A PC of the same host name exists on the network.

[Corrective Actions]

1. Check whether the setting of the same host name as the device is made to another unit. If the setting is duplicate, change the host name of the device or duplicate device.
2. If duplicate setting is not confirmed, change the device host name.
3. Follow the 2.5.2 Logging/Extraction Tools Operational Instructions to collect logs.
 - 2.4.5 Network-Related Details Check Flow
 - 2.5.2 Logging/Extraction Tools Operational Instructions

016-453 Dynamic DNS - IPv6 NG

[Error Type]

Info

[Fault Content]

Dynamic DNS - IPv6 Address Dynamic Update Failed

[Detection Conditions]

Failed to update of the IPv6 address and host name to the DNS server.

[Corrective Actions]

1. Check that DNS server address is set properly in the device.
2. Check with the customer's System Administrator whether the DNS server settings that allow Dynamic DNS using IPv6 address have been made.
3. Follow the instructions in 2.5.1 LOG to obtain the 'info9 or xxx.tgz'.
If the problem persists, perform the following procedure:
2.4.5 Network-Related Details Check Flow
2.5.1 Log collection/extraction tool function explanation

016-454 DNS renewal failure of dynamic

[Error Type]

Time Bomb (Information)

[Fault Content]

Dynamic DNS - Dynamic Update Failed

[Detection Conditions]

Dynamic DNS - Dynamic update failed.

[Corrective Actions]

1. Check that DNS server address is set properly in the device.
2. Check with a customer System Administrator that the DNS server settings that allow Dynamic DNS have been made.
3. Follow the 2.5.2 Logging/Extraction Tools Operational Instructions to collect logs.
2.4.5 Network-Related Details Check Flow
2.5.2 Logging/Extraction Tools Operational Instructions

016-455 SNTP server time out

[Error Type]

Time Bomb (Information)

[Fault Content]

SNTP timeout.

[Detection Conditions]

There is no response from the SNTP server within the specified time (60sec).

[Corrective Actions]

- If the time on the machine is incorrect, manually set the time.
1. Check that SNTP server address is set properly in the device.

2. Follow the 2.5.2 Logging/Extraction Tools Operational Instructions to collect logs.
2.4.5 Network-Related Details Check Flow
2.5.2 Logging/Extraction Tools Operational Instructions

016-456 SNTP time asynchronous

[Error Type]

Time Bomb (Information)

[Fault Content]

SNTP Time Asynchronous

[Detection Conditions]

A standard time synchronized source message and an asynchronous message was received from the SNTP server.

[Corrective Actions]

If the time on the machine is incorrect, manually set the time.

1. Check a customer System Administrator that the NTP server is operating properly.
2. Follow the 2.5.2 Logging/Extraction Tools Operational Instructions to collect logs.
2.4.5 Network-Related Details Check Flow
2.5.2 Logging/Extraction Tools Operational Instructions

016-461 Under non-transmitted image log stagnation

[Error Type]

Information Fail

[Fault Content]

Creation of a new job is being restricted because image logs yet to be transferred are piled up and delayed.

[Detection Conditions]

When system data 'Level of Ensuring Image Log Transfer' is set to 'High' creation of a new job becomes restricted because image logs yet to be transferred are piled up and delayed.

[Corrective Actions]

Check the image log management server status and the network status, and clear any cause that may impede the transfer of image logs to the image log server.

Check the transfer settings and transfer all logs that are yet to be transferred.

Or, change the transfer guarantee level to 'Low'. Note that setting the transfer guarantee level to 'Low' may cause the image logs to get deleted in sequence even before they are transferred.

If the problem persists, perform the following procedure:

OF-09 Common Job Fail

2.5.1 Log collection/extraction tool function explanation

016-500 Write to Cont-ROM error detection (During DLD method)

[Error Type]

Job Fail

[Fault Content]

An error has occurred during the process of writing data to the Cont-ROM. (During DLD method)

[Detection Conditions]

An error was detected when writing data to the Cont-ROM.

Not able to carry out normal operation because ROM content is missing.

[Corrective Actions]

Retry job. If retry failed, replace the Controller-ROM and perform VerUP operation on the DLD method again.

016-501 Write to S2X-ROM error detection (During DLD method)**[Error Type]**

Job Fail

[Fault Content]

An error has occurred during the process of writing data to the S2X-ROM. (During DLD method)

[Detection Conditions]

An error was detected when writing data to the S2X-ROM

Not able to carry out normal operation because ROM content is missing.

[Corrective Actions]

Retry job. If retry failed, replace the S2X-ROM and perform VerUP operation on the DLD method again.

016-502 Write to Cont/S2X/IISS/DADF/IOT/Fin/FaxCard error detection (During PJJ method)**[Error Type]**

Job Fail

[Fault Content]

An error has occurred during the writing of data to any of Cont/S2X/IISS/DADF/IOT/Fin/FaxCard (During PJJ method)

[Detection Conditions]

An error was detected when writing data to one of the ROMs in the machine

Not able to carry out normal operation because content of one of the ROMs is missing.

[Corrective Actions]

Perform download in DLD Mode, and follow the Error Code displayed by the machine to identify the faulty ROM.

Replace the faulty ROM and perform VerUP operation on the DLD method again.

016-503 SMTP Server Fail for Redirector**[Error Type]**

Job Fail

[Fault Content]

The problem with the SMTP Server name could not be resolved (though the machine tried to connect to the server).

[Detection Conditions]

DNS Library Call Error

[Corrective Actions]

Specify the correct SMTP Server name or specify the IP address.

If the problem persists, perform the following procedure to repair it.

2.4 NET System Fault Check

2.4.3 No output is available, no data is printed

2.4.5 Network-Related Details Check Flow

016-504 POP Server Fail for Redirector**[Error Type]**

Job Fail

[Fault Content]

The problem with the POP Server name could not be resolved (though the machine tried to connect to the server)

[Detection Conditions]

DNS Library Call Error

[Corrective Actions]

Specify the correct POP Server name or specify the IP address.

If the problem persists, perform the following procedure to repair it.

2.4 NET System Fault Check

2.4.3 No output is available, no data is printed

2.4.5 Network-Related Details Check Flow

016-505 POP Authentication Fail for Redirector**[Error Type]**

Job Fail

[Fault Content]

A failure in POP authentication (after the machine connected to the server).

[Detection Conditions]

Incorrect POP Server authentication information was detected.

[Corrective Actions]

Specify the correct POP Server authentication information.

If the problem persists, perform the following procedure to repair it.

2.4 NET System Fault Check

2.4.3 No output is available, no data is printed

2.4.5 Network-Related Details Check Flow

016-506 Image Log HDD Full

[Error Type]

Job Fail

[Fault Content]

Because the log image storage area on the disk is full, a job cannot be continued.

[Detection Conditions]

When the system data 'Level of Ensuring Log image Creation' is set to 'High' the log image storage area on the disk becomes full (during processing any job other than copy/scan jobs).

[Corrective Actions]

Try to rerun the job.

If the situation is the same despite some re-attempts, delete unnecessary documents saved in the device or change the level of ensuring creation (to Low). However, the level is set to Low, log image creation cannot be ensured.

016-507 ImageLog Send Fail01

[Error Type]

Job Fail

[Fault Content]

A log image transfer fails, making it impossible to continue a target job which will consist of created images.

[Detection Conditions]

With the system data 'Auto Transfer Setting' set to 'Transfer by the job' a log image transfer fails, making it impossible to continue a target job.

[Corrective Actions]

Check the state of the destination image log control server and that of the network, and clear any factor preventing image logs from being transferred to the image log control server.

016-508 ImageLog Send Fail02

[Error Type]

Job Fail

[Fault Content]

A log image transfer fails, making it impossible to continue an image transfer job.

[Detection Conditions]

An image log transfer fails.

[Corrective Actions]

Check the state of the destination image log control server and that of the network, and clear any factor preventing image logs from being transferred to the image log control server.

016-509 ImageLog No Send Rule01

[Error Type]

Job Fail

[Fault Content]

Because rules for log image transfer are not registered, a job cannot be continued.

[Detection Conditions]

With the system data 'Auto Transfer Setting' set to 'Transfer by the job,' transfer rules are not registered, causing a job to be discontinued.

[Corrective Actions]

Register rules for transfer from the destination image log control server to the device.

016-510 ImageLog No Send Rule02

[Error Type]

Job Fail

[Fault Content]

Rules for log image transfer are not registered.

[Detection Conditions]

Because transfer rules are not registered, a transfer fails.

[Corrective Actions]

Register rules for transfer from the destination image log control server to the device.

016-511 ImageLog Invalid Send Rule01

[Error Type]

Job Fail

[Fault Content]

Rules for log image transfer are illegal, causing a job to be discontinued.

[Detection Conditions]

With the system data 'Auto Transfer Setting' set to 'Transfer by the job,' illegal transfer rules cause a job to be discontinued.

[Corrective Corrections]

Overwrite rules for transfer from the destination image log control server to the device.

016-512 ImageLog Invalid Send Rule02

[Error Type]

Job Fail

[Fault Content]

Rules for log image transfer are illegal.

[Detection Conditions]

Illegal transfer rules cause a transfer failure.

[Corrective Actions]

Overwrite rules for transfer from the destination image log control server to the device.

016-513 SMTP Server Reception Error**[Fault Name]**

SMTP Server Reception Error

[Error Type]

Job

[Fault Content]

Error when receiving response from the SMTP server (after connecting to the server)

[Detection Conditions]

SMTP Server Response Receive Timeout

[Corrective Actions]

1. Timeout has occurred.

- Server Load is Heavy/Network Traffic is High
-> Wait awhile before re-executing job.
- Check that SMTP Send Port No. is correct.
->If the situation does not improve, consult with the Network Administrator.

016-514 XPS Error**[Error Type]**

Job Fail

[Fault Content]

XPS Error

[Detection Conditions]

During XPS Bridge processing, Invalid Schema, Parameter Error, damage to XPS File, or an error internal to XPS Decomposer occurred.

[Corrective Actions]

Print from XPS Viewer, using a pinter driver (ART-EX, PCL, etc.).

If the problem persists, go to the following to resolve it.

OF-09 Common Job Fail

2.4.3 No output is available, no data is printed

2.4.4 Printing can be performed but abnormally

2.4.5 Network-Related Details Check Flow

016-515 XPS Short of Memory**[Error Type]**

Job Fail

[Fault Content]

XPS Short of Memory

[Detection Conditions]

During XPS Bridge processing, a lack of memory was detected.

[Corrective Actions]

If print mode is set to [high resolution], change it to [standard]. If print mode is set to [standard], change it to [high speed].

If memory is still insufficient, expand memory.

If memory is expanded to the maximum but the problem still occurs, print from XPS Viewer, using a driver (ART-EX, PCL, etc.).

If the problem persists, go to the following and resolve it.

OF-09 Common Job Fail

016-516 XPS PrintTicket description error**[Error Type]**

Job Fail

[Fault Content]

XPS PrintTicket description error

[Detection Conditions]

PrintTicket included in a XPS document is based on [grammar not supported by this machine] or has [print instructions not supported by this machine].

[Corrective Actions]

Check whether the user's way of using the application that sends a print job and the print instructions have problems.

If they have no problems, ask not Fuji Xerox but a vendor that produces the application that sends a print job about the operation of the application. If this does not resolve the problem, get a list of printer settings, a job history report, and the print data with PrintTicket to send, and go to the following to resolve the problem.

OF-09 Common Job Fail

If the problem persists, contact the support division for instructions.

016-517 PS Booklet Illegal Color Mode Change**[Error Type]**

Job Fail

[Fault Content]

PS documents to be printed into a booklet have black, white and color areas

[Detection Conditions]

While PS Decomp was interpreting a booklet job, a change to Process Color Model or the resolution/binary/multi-valued parameter was detected.

[Corrective Actions]

Rewrite the PostScript file in the way that does not allow the page device, Process Color Model, to be changed in the process.

If the problem persists, go to the following and resolve it.

OF-09 Common Job Fail

016-518 PS Booklet Conflict WM**[Error Type]**

Job Fail

[Fault Content]

Simultaneous Specification of PS Booklet and Watermark

[Detection Conditions]

PS Booklet and Watermarks were specified at the same time.

[Corrective Actions]

PS Booklet and Watermark/UUID cannot be specified at the same time. Cancel either one.

If the problem persists, carry out the following procedure:

OF-09 Common Job Fail

016-519 Device DV - Reached Limit**[Error Type]**

Job Fail

[Fault Content]

Number of Printable Sides Limit Full

[Detection Conditions]

A number of printable sides is set in the device and the number of printed sides as the job is running has reached that number.

[Corrective Actions]

Contact the System Administrator to request for a change in the limit of the printable sides.

016-520 MRC HW Job Error**[Error Type]**

Job Fail

[Fault Content]

High Compression H/W Job Error

[Detection Conditions]

An error has occurred during the usage of High Compression Board.

[Corrective Actions]

Repeat the operation or change the output file format/color mode.

If the problem persists, perform the following procedure to correct it.

Replace the High Compression Board.

If the cause of error is not clear, perform the following and check whether the status improved.

- Replace the Memory Modules on the Main PWBA
- Replace the Main PWBA.

016-521 SmartCard Not Found**[Error Type]**

Job Fail

[Fault Content]

Smart Card Connection Error

[Detection Conditions]

After a personal signature scan job has started up, the Smart Card was removed or the Card Reader was detached, which causes the personal signature to fail.

[Corrective Actions]

Insert the Smart Card into the Reader and check the PIN again before performing the personal signature scan.

If the Card Reader was detached, reconnect it again and restart the device.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

016-522 LDAP SSL error 112**[Error Type]**

Job Fail

[Fault Content]

LDAP-SSL authentication error 112 has occurred (the client certificate cannot be obtained)

[Detection Conditions]

SSL authentication error of the LDAP Server.

The SSL client certificate cannot be obtained.

[Corrective Actions]

Install the SSL client certificate into the device as the LDAP Server will request for it.

016-523 LDAP SSL error 113

[Error Type]

Job Fail

[Fault Content]

LDAP-SSL authentication error 113 has occurred (the server certificate data is incorrect)

[Detection Conditions]

SSL authentication error of the LDAP Server.

The Server certificate data is incorrect

[Corrective Actions]

The device cannot trust the SSL certificate of the LDAP Server.

Register the root certificate of the LDAP Server SSL certificate in the device.

016-524 LDAP SSL error 114**[Error Type]**

Job Fail

[Fault Content]

LDAP-SSL authentication error 114 has occurred (the server certificate is close to expiring)

[Detection Conditions]

SSL authentication error of the LDAP Server.

The Server certificate is close to expiring

[Corrective Actions]

Change the LADP Server SSL certificate to one that is valid.

Although this error can also be avoided by setting 'SSL Communication During Authentication' of 'LDAP Server/Directory Service Settings' to 'Disabled' at the device, keep in mind that it would also no longer guarantee the legitimacy of the connected LDAP Server.

016-525 LDAP SSL error 115**[Error Type]**

Job Fail

[Fault Content]

LDAP-SSL authentication error 115 has occurred (the server certificate has expired)

[Detection Conditions]

SSL authentication error of the LDAP Server.

The Server certificate has expired

[Corrective Actions]

Change the LADP Server SSL certificate to one that is valid.

Although this error can also be avoided by setting 'SSL Server Authentication' to 'OFF' at the device, keep in mind that it would also no longer guarantee the legitimacy of the connected LDAP Server.

016-526 LDAP SSL error 116**[Error Type]**

Job Fail

[Fault Content]

LDAP-SSL authentication error 116 has occurred (the Server Name and the certificate does not match)

[Detection Conditions]

SSL authentication error of the LDAP Server.

The Server Name and the certificate do not match.

[Corrective Actions]

Ensure that the address of the LDAP Server set in the device matches the address of the LDAP Server defined in the SSL certificate.

Although this error can also be avoided by setting 'SSL Server Authentication' to 'OFF' at the device, keep in mind that it would also no longer guarantee the legitimacy of the connected LDAP Server.

016-527 LDAP SSL error 117**[Error Type]**

Job Fail

[Fault Content]

LDAP-SSL authentication error 117 has occurred (SSL authentication internal error)

[Detection Conditions]

SSL authentication error of the LDAP Server.

SSL authentication internal error has occurred.

[Corrective Actions]

An internal error has occurred in the program.

016-528 SmartCard Not Auth**[Error Type]**

Job Fail

[Fault Content]

Smart Card Personal Authentication Error

[Detection Conditions]

After a personal signature scan job has started up, the Smart Card PIN check status was cleared, which causes the personal signature to fail.

[Corrective Actions]

Check the PIN and again perform the personal signature scan.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

016-529 Remote Download server timeout

[Error Type]

Job Fail

[Fault Content]

Remote Download Server Timeout

[Detection Conditions]

There was no response within the specified time (45 sec) when connecting to the Remote Download server.

[Corrective Actions]

Check the network connection. Check that the Remote Download server is properly configured and operating on the network.

016-533 Kerberos Attestation protocol error 37**[Error Type]**

Job Fail

[Fault Content]

Kerberos Attestation protocol error (37)

[Detection Conditions]

A Kerberos Server Attestation protocol error has occurred. (37)

[Corrective Actions]

The clock difference between the device and the Kerberos server has exceeded the clock skew limit of the Kerberos server. Check that the clocks of the device and Kerberos server are set correctly.

At the same time, check that the daylight saving time and time zone settings for the device and the Kerberos server are the same.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-534 Kerberos Attestation protocol error 41,42**[Error Type]**

Job Fail

[Fault Content]

Kerberos Attestation protocol error (41, 42)

[Detection Conditions]

A Kerberos Server Attestation protocol error has occurred. (41, 42)

[Corrective Actions]

Although the Kerberos Server exists in a realm that is set in the device, the address of the Kerberos Server that was set cannot be connected to.

Check that the realm name and Server address in the Kerberos Settings of the device are set correctly.

When connected to a Microsoft Windows 2000/2003 Server, use all upper case for the realm name.

016-535 Remote Download file access error**[Error Type]**

Job Fail

[Fault Content]

There are no FW update files in the Remote Download server.

[Detection Conditions]

The specified FW update file (Download image file) is not found in the Remote Download server.

[Corrective Actions]

Check the Remote Download server for the FW update file.

016-536 Host name solution error in Remote Download**[Error Type]**

Job Fail

[Fault Content]

Remote Download Server Name Resolution Error

[Detection Conditions]

Failed to resolve the hostname (server name) during the DNS access before connecting to the Remote Download server. DNS library call error.

[Corrective Actions]

Check the connection to the DNS.

Or, check whether the Remote Download server name has been registered in the DNS.

016-537 Remote Download server connection error**[Error Type]**

Job Fail

[Fault Content]

Remote Download Server Connection Error

[Detection Conditions]

The port of the connection destination Remote Download server is not open.

[Corrective Actions]

Check the network connection setting (port) of the Remote Download server.

016-538 Remote Download file write error**[Error Type]**

Job Fail

[Fault Content]

Remote Download File Write to HDD Error

[Detection Conditions]

The FW update file that was obtained from the Remote Download server cannot be saved properly into the HDD.

[Corrective Actions]

Check the HDD for free space and delete unnecessary files. Or, replace the HDD.

016-539 Kerberos Attestation protocol error other**[Error Type]**

Job Fail

[Fault Content]

Kerberos Attestation protocol error (others)

[Detection Conditions]

A Kerberos Server Attestation protocol error has occurred. (Others)

[Corrective Actions]

An internal error has occurred in the program.

016-543 Attestation Agent error 543**[Error Type]**

Job Fail

[Fault Content]

Attestation Agent error (REALM_UNKNOWN)

[Detection Conditions]

The specified realm/domain has disappeared from the ApeosWare Authentication Agent (the domain was manually deleted at the ApeosWare Authentication Agent after obtaining the realm name list from the device)

[Corrective Actions]

Update the realm list, using the Update Realm button on the device, or add the domain to the ApeosWare Authentication Agent.

To update the device realm information, perform the following: Press the [Authentication Agent] button on the Authentication window of the device. The Authentication Agent window appears. Press the [Update] button on the window.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-545 Attestation Agent error 545**[Error Type]**

Job Fail

[Fault Content]

Attestation Agent error (CLOCKSKEW_ERR)

[Detection Conditions]

A Clock skew error has occurred in attestation.

The time of ApeosWare Authentication Agent and ActiveDirectory is out of sync with the upper limit of the Kerberos ClockSkew set in the ActiveDirectory.

[Corrective Actions]

Match the time of the PC where the ApeosWare Authentication agent is installed in with the time of the PC where the ActiveDirectory is.

Furthermore, if the Windows Time Service in the PC where the ApeosWare Authentication Agent is installed is stopped, start it up.

Refer to the ApeosWare Authentication agent User Guide for solutions.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-546 Attestation Agent error 546**[Error Type]**

Job Fail

[Fault Content]

Attestation Agent error (ACCESS_DENIED)

[Detection Conditions]

A general user has attempted to obtain other user's user information (GetUserInfo method only).

The User Name included in the WWW-Authorization of the http header is different from the <User-ID> included in the request message of the GetUserInfo method.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-548 Attestation Agent error 548**[Error Type]**

Job Fail

[Fault Content]

Attestation Agent error (UNREGISTERED_DEVICE)

[Detection Conditions]

The information of the machine that is performing the authentication operation is not in the database (GetUserInfo method only).

The device is not registered in the ApeosWare Authentication Agent.

[Corrective Actions]

Register the device in the ApeosWare Authentication Agent. Refer to the 'ApeosWare Authentication Agent User Guide' for solutions.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-553 Attestation Agent error 553

[Error Type]

Job Fail

[Fault Content]

Attestation Agent error (VERSION_MISMATCH)

[Detection Conditions]

The version information written in the SOAP Header cannot be understood. The ApeosWare Authentication Agent does not support the version of the device interface.

[Corrective Actions]

The version of the ApeosWare Authentication Agent needs to be upgraded.

Check that the machine is a product that is supported by the upgraded version of the ApeosWare Authentication Agent.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-554 Attestation Agent error 554

[Error Type]

Job Fail

[Fault Content]

Attestation Agent error (CONFIGURATION_ERROR)

[Detection Conditions]

The existence check for the specified user in the event of an authentication error has failed.

The domain user reference login name or the reference password of the ApeosWare Authentication Agent domain is incorrect.

[Corrective Actions]

Set the domain user reference login name or the reference password of the ApeosWare Authentication Agent domain to the correct items.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-555 Attestation Agent error 555

[Error Type]

Job Fail

[Fault Content]

Attestation Agent error (SERVICE_ISNOT_WORKING)

[Detection Conditions]

Timed out when connecting to the authentication server.

The ApeosWare Authentication Agent cannot connect to the database or the Active Directory.

[Corrective Actions]

Check that the ApeosWare Authentication Agent can connect to the database or the Active Directory.

Refer to the ApeosWare Authentication Agent User Guide for solutions.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-556 Attestation Agent error 556

[Error Type]

Job Fail

[Fault Content]

Attestation Agent error (SERVICE_IS_PROCESSING)

[Detection Conditions]

Timeout during database processing.

Error has occurred in the database that the ApeosWare Authentication Agent is connected to due to overloading.

[Corrective Actions]

Wait for a while before authenticating again as the service is overloaded.

If that did not solve the problem, check the ApeosWare Authentication Agent.

Refer to the ApeosWare Authentication Agent User Guide for solutions.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-557 Attestation Agent error 557

[Error Type]

Job Fail

[Fault Content]

Attestation Agent error (INTERNAL_ERROR)

[Detection Conditions]

Other error has occurred in attestation.

An internal error has occurred in the ApeosWare Authentication Agent.

[Corrective Actions]

Check the ApeosWare Authentication Agent.

Refer to the ApeosWare Authentication Agent User Guide for solutions.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-558 Attestation Agent error 558**[Error Type]**

Job Fail

[Fault Content]

Attestation Agent error (MISC_ERR)

[Detection Conditions]

The machine has received an unknown error from the ApeosWare Authentication Agent.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-559 Remote Download parameter error**[Error Type]**

Job Fail

[Fault Content]

Remote Download Parameter Error

[Detection Conditions]

When performing the Remote Download, an invalid value is set in the required system data.

[Corrective Actions]

Check that all system data that must be set to perform the Remote Download have been properly set.

Example: Check the server settings corresponding to the IP mode, etc.

016-560 Attestation Agent error 560**[Error Type]**

Job Fail

[Fault Content]

Attestation Agent communication error

[Detection Conditions]

A communication error has occurred between the ApeosWare Authentication Agent and the machine.

[Corrective Actions]

1. Check that the network cable is connected and check the settings of the Authentication Agent function.
2. If DNS address of the Server is set as the Server name/IP address of the ApeosWare Authentication Agent in the printer function settings list, check that DNS is enabled.

016-562 ADetected user duplication, in a cert agent**[Error Type]**

Job Fail

[Fault Content]

Authentication Agent error * Duplicate IDs were detected at ICCG external authentication

[Detection Conditions]

Two or more entries with the same IC card information were found in the temporary user DB of Active Directory or Authentication Agent.

[Corrective Actions]

Make corrections so that the temporary user entries of the Active Directory or Authentication Agent do not have the same IC card information.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-563 ImageLog Memory Full (Exp. Kit)**[Error Type]**

Job Fail

[Fault Content]

Impossible to continue with the Job because the Image Extension Kit has insufficient memory

[Detection Conditions]

When the system data 'Log/Image Creation Guarantee Level' is set to 'High', the Image Extension Kit has insufficient memory.

[Corrective Actions]

Set the image quality to 'Normal'.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

016-564 Remote Download Server Authentication Failed**[Error Type]**

Job Fail

[Fault Content]

Remote Download Server Authentication Error

[Detection Conditions]

When accessing the Remote Download server, an authentication error notification was issued from the server.

[Corrective Actions]

Check that the correct user name and password was specified when accessing the Remote Download server.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

016-565 Backup Restore Error

[Error Type]

Job Fail

[Fault Content]

Backup/Restore Error

[Detection Conditions]

- When performing backup, there is no backup storage destination.
- When performing restore or deletion of backup files, there are no backup files.

[Corrective Actions]

- For USB backup, check that the USB Memory is properly installed. If the problem persists, use a PC to check the USB memory for a 'backup' directory. If it is not there, create it.
- When performing restore or deletion of backup files from the USB backup file, check that the USB Memory is properly installed.

016-566 Backup Restore Condition Error

[Error Type]

Job Fail

[Fault Content]

NVM Backup/Restore condition error

[Detection Conditions]

- During backup, the FW download file that has the same version as the machine cannot be found.
- During restore, the machine configuration during backup and restore does not match. Therefore, the restore cannot be performed.
- At an attempt to restore a specific backed-up file, a backed-up file for another device or a wrong backed-up file has been selected.

[Corrective Actions]

- During backup, save the FW download file into the 'dwld' directory in the USB memory, plug it into the machine, and then perform the backup.
- During restore, use the same IOT and IIT ROM versions as those during backup. When performing restore using a USB backup file, also use the same HDD configuration.
- If there is no HDD, use the same ESS ROM versions as well. If the same configuration cannot be attained, delete the backup file from the panel.

- If the problem occurred at an attempt to restore a backed-up file from an external place, check that the ESS/IIT/IOT/FAX ROM version is still the same as the version used when the backed-up file was created. Furthermore, check the device is the same as the one that generated the backed-up file.

016-567 Backup Capacity Full

[Error Type]

Job Fail

[Fault Content]

NVM data to back up is over the capacity of the destination to save it.

[Detection Conditions]

- The backup destination has insufficient capacity.
- The memory is not enough for data-to-back-up to be encrypted.

[Corrective Actions]

- Before performing the HDD backup, delete existing backup files through the panel to increase the capacity.
- Before performing USB backup, delete the backup files in the USB memory through the panel, or use a PC to delete unnecessary files in the USB memory to increase the capacity.

016-568 Backup Restore Failed

[Error Type]

Job Fail

[Fault Content]

NVM data could not be backed up or restored for some reason.

[Detection Conditions]

- An HDD access error has occurred.
- A USB Memory access error has occurred.
- The backup file was corrupted during restore.
- An unexpected error has occurred.

[Corrective Actions]

- Format the HDD before performing HDD backup.
- Before performing restore using the HDD backup file, delete backup files through the panel. If the problem persists, format the HDD.
- For USB backup, check that the USB Memory is properly installed. If the problem persists, use a PC to format the USB Memory.
- When performing restore using USB backup files, check that the USB Memory is properly installed. If the problem persists, use the panel or a PC to delete the backup files.
- If the problem still persists, use a PC to format the USB Memory.

016-569 Attestation Agent error 569

[Error Type]

Job Fail

[Fault Content]

Attestation Agent errors other than listed previously

[Detection Conditions]

Errors related to the functions of the Authentication Agent other than listed previously.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-570 Job ticket out of memory**[Error Type]**

job

[Fault Content]

XPIF memory is short.

[Detection Conditions]

XPIF Parser detects 'out of memory' while interpreting job ticket.

[Corrective Actions]

Increase memory size for job ticket on UI Panel, restart MC, and then run the job.

016-571 Job ticket wrong param**[Error Type]**

job

[Fault Content]

XPIF parameter mismatch.

[Detection Conditions]

Decomposer detects job ticket has instructed Device to do what is inconsistent with device spec.

[Corrective Actions]

Check for a mismatch between parameters specified by job ticket, correct the parameters and then resend the job.

016-572 Job ticket media error**[Error Type]**

job

[Fault Content]

XPIF media conversion error.

[Detection Conditions]

Decomposer detects paper whose properties are specified by job ticket cannot be recognized as paper (size/type/color) supported by device.

[Corrective Actions]

Check that the device that receives data can print it onto paper whose properties (size/type/weight/color/punched) are specified by job ticket.

016-573 Job ticket parse error**[Error Type]**

job

[Fault Content]

XPIF Interpret error.

[Detection Conditions]

XPIF Parser has received and processed job ticket that has syntax impossible to interpret.

[Corrective Actions]

Ensure the following: software is properly installed on client that generates job ticket; operational requirements are met; and software version matches device version.

016-574 Host name solution error in FTP**[Error Type]**

Job Fail

[Fault Content]

Unable to resolve hostname during FTP scan

[Detection Conditions]

Failed to resolve the hostname (server name) during the DNS access before connecting to the FTP Server. DNS library call error.

[Corrective Actions]

1. Check the connection to the DNS.

Or, check whether the destination server name has been registered in the DNS.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-575 DNS server un-sets up in FTP**[Error Type]**

Job Fail

[Fault Content]

The DNS server was not set during FTP scan

[Detection Conditions]

Before connecting to the FTP server, the DNS server was detected to be not set. DNS library call error.

[Corrective Actions]

1. Set the DNS address.
Or, set the destination server address using IP address.
If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
2.5.1 Log collection/extraction tool function explanation

016-576 Server connection error in FTP

[Error Type]

Job Fail

[Fault Content]

Problem with connection to server during FTP scan

[Detection Conditions]

Failed to connect to the FTP server.

[Corrective Actions]

1. Check that network communication between the transfer destination FTP server and this machine is available. For example, check the following:
 - Check that the Server IP address is correct.
 - Check the connection of network cables.If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
2.5.1 Log collection/extraction tool function explanation

016-577 Problem in FTP service

[Error Type]

Job Fail

[Fault Content]

Problem with the FTP service

[Detection Conditions]

Failed to connect to the FTP service of the destination server.

[Corrective Actions]

Take any one of the following actions:

- Check that the FTP service of the Server is operating.
- Check that the FTP port number of the Server matches the FTP port number that is set on the machine.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-578 Login name or a password error in FTP

[Error Type]

Job Fail

[Fault Content]

FTP scan login name or password error

[Detection Conditions]

The USER./PASS command in this machine has failed after connecting to the FTP Server. There are problems with the login name or password.

[Corrective Actions]

1. Check that the login name (user name) and password are correct.
If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
2.5.1 Log collection/extraction tool function explanation

016-579 Scanning picture preservation place error in FTP

[Error Type]

Job Fail

[Fault Content]

Problem with scanned image storage destination of FTP Scan

[Detection Conditions]

When moving the image storage destination after connecting to the FTP server, failed to move to the RepositoryPath. There are problems with the scanned image data storage destination.

[Corrective Actions]

1. Check that the scanned image storage destination on the FTP scan server is correct.

016-580 File name acquisition failure from FTP server

[Error Type]

Job Fail

[Fault Content]

Unable to obtain file name/folder name on the FTP scan server

[Detection Conditions]

The NLST command has failed when obtaining the file/folder name on the server after connecting to the FTP server.

[Corrective Actions]

1. Check the access right to the FTP scan server.
If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
2.5.1 Log collection/extraction tool function explanation

016-581 File name suffix limit over in FTP

[Error Type]

Job Fail

[Fault Content]

The FTP scan file name/folder name suffix has exceeded the limit

[Detection Conditions]

When determining the file/folder name in the server after connecting to the FTP server, the file name/folder name suffix exceeded the limit.

[Corrective Actions]

1. Change the file name/destination folder. Else, move or delete the files in the destination folder.
If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
2.5.1 Log collection/extraction tool function explanation

016-582 File creation failure in FTP

[Error Type]

Job Fail

[Fault Content]

Failed to create an FTP scan file

[Detection Conditions]

When creating a file in the server after connecting to the FTP server, the file creation has failed.

[Corrective Actions]

1. Check that the specified name is a file name that can be created in the storage destination
2. Check that the storage destination has enough free space.
If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
2.5.1 Log collection/extraction tool function explanation

016-583 Lock folder creation failure in FTP

[Error Type]

Job Fail

[Fault Content]

Failed to create an FTP scan lock folder

[Detection Conditions]

When creating a lock folder in the server after connecting to the FTP server, the lock folder creation has failed.

[Corrective Actions]

1. When a lock directory (*.LCK) remained in the transfer destination, delete it manually and retry the job.
2. Check that the specified name is a folder name that can be created in the storage destination.

3. Check whether a folder with the same name as the specified name already exists.

4. Check that the storage destination has enough free space.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-584 Folder creation failure in FTP

[Error Type]

Job Fail

[Fault Content]

Failed to create an FTP scan folder

[Detection Conditions]

When creating a folder in the server after connecting to the FTP server, the folder creation has failed.

[Corrective Actions]

1. Check that the specified name is a folder name that can be created in the storage destination.
2. Check whether a folder with the same name as the specified name already exists.
3. Check that the storage destination has enough free space.
If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
2.5.1 Log collection/extraction tool function explanation

016-585 File delete failure in FTP

[Error Type]

Job Fail

[Fault Content]

Failed to delete an FTP scan file

[Detection Conditions]

When deleting a file in the server after connecting to the FTP server, the deletion has failed.

[Corrective Actions]

1. Check the access right to the server.
If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
2.5.1 Log collection/extraction tool function explanation

016-586 Lock folder delete failure in FTP

[Error Type]

Job Fail

[Fault Content]

Failed to delete an FTP scan lock folder

[Detection Conditions]

When deleting a lock folder in the server after connecting to the FTP server, the deletion has failed.

[Corrective Actions]

1. Check the access right to the server.
2. When a lock directory (*.LCK) remained in the transfer destination, delete it manually and retry the job.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-587 Folder delete failure in FTP

[Error Type]

Job Fail

[Fault Content]

Failed to delete an FTP scan folder

[Detection Conditions]

When deleting a folder in the server after connecting to the FTP server, the deletion has failed.

[Corrective Actions]

1. Check the access right to the server.
If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-588 Data write-in failure to FTP server

[Error Type]

Job Fail

[Fault Content]

Failed to write data into the FTP scan server

[Detection Conditions]

Failed to write data into the server after connecting to the FTP server.

[Corrective Actions]

1. Check that the storage destination has enough free space.
If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-589 Data read failure from FTP server

[Error Type]

Job Fail

[Fault Content]

Failed to read data from the FTP scan server

[Detection Conditions]

Failed to read data from the FTP server after connecting to the FTP server during scanner (Save to PC) FTP transfer.

[Corrective Actions]

Check whether there is access right to the FTP server and grant the proper rights.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-590 Data reading failure from FTP server

[Error Type]

Job Fail

[Fault Content]

'Prohibit Overwrite' is selected for FTP scan 'File Name Conflict'

[Detection Conditions]

Unable to save a file after connecting to the FTP server during scanner (Save to PC) FTP transfer because 'File Name Conflict' is set to 'Cancel Job'.

[Corrective Actions]

Set 'File Name Conflict' to other than 'Cancel Job'.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-591 FTP scan filing policy injustice

[Error Type]

Job Fail

[Fault Content]

Incorrect FTP scan filing policy (when additional items are selected)

[Detection Conditions]

Incorrect filing policy (when additional items are selected) was detected after connecting with the FTP server.

[Corrective Actions]

1. When 'Add' is selected for 'File Name Conflict', check that the file format is not set to Multi-page.

016-592 NEXTNAME.DAT file access error in FTP

[Error Type]

Job Fail

[Fault Content]

NEXTNAME.DAT file access error during FTP scan

[Detection Conditions]

An error has occurred when accessing the NEXTNAME.DAT file after connecting to the FTP server during scanner (Save to PC) FTP transfer.

[Corrective Actions]

- When 'Add' is selected for 'File Name Conflict', check that the NEXTNAME.DAT file is correct.
If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
- 2.5.1 Log collection/extraction tool function explanation

016-593 Internal error in FTP Scan**[Error Type]**

Job Fail

[Fault Content]

An internal error has occurred during FTP scan

[Detection Conditions]

A Redirector internal error has occurred after connecting to the FTP server.

[Corrective Actions]

- Repeat the operation.
- If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
- 2.5.1 Log collection/extraction tool function explanation

016-594 TYPE command failure in FTP**[Error Type]**

Job Fail

[Fault Content]

The TYPE command has failed during FTP scan (Network error)

[Detection Conditions]

The TYPE command has failed after connecting to the FTP server. (Network error)

[Corrective Actions]

- Repeat the operation.
- If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
- 2.5.1 Log collection/extraction tool function explanation

016-595 PORT command failure in FTP**[Error Type]**

Job Fail

[Fault Content]

The PORT command has failed during FTP scan (Network error)

[Detection Conditions]

The PORT command has failed after connecting to the FTP server. (Network error)

[Corrective Actions]

- Repeat the operation.
- If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
- 2.5.1 Log collection/extraction tool function explanation

016-596 CDUP command failure in FTP**[Error Type]**

Job Fail

[Fault Content]

The CDUP command has failed during FTP scan (Network error)

[Detection Conditions]

The CDUP command has failed after connecting to the FTP server. (Network error)

[Corrective Actions]

- Repeat the operation.
- If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
- 2.5.1 Log collection/extraction tool function explanation

016-597 Same name file exists in FTP server**[Error Type]**

Job Fail

[Fault Content]

The process was cancelled since a file (folder) with the same name exists during FTP scan (Credit-Mutuel specifications)

[Detection Conditions]

The process was cancelled because a file/folder with the same name was detected after connecting to the FTP server. (CreditMutuel specifications)

[Corrective Actions]

- Perform the same operation again without multiple machines accessing the same folder in the same server.
- If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.
- 2.5.1 Log collection/extraction tool function explanation

016-598 Email message size over**[Error Type]**

job

[Fault Content]

Email message size is over spec.

[Detection Conditions]

In paginating, mail data size per page exceeds system data 'max message size'.

[Corrective Actions]

Perform the following:

1. Reduce a send parameter of resolution (image-to-send quality) and resend the job.
2. Reduce a send parameter of magnification and resend the job. (A3 to A4, etc.)
3. Change "max message size" to a larger value. (10MB recommended as default)

If the problem still persists, obtain logs (pfshowinfo8 log and network log) just after the occurrence of it and contact the Support division for instructions.

2.5.2 Logging/Extraction Tools Operational Instructions

016-599 Email message size over

[Error Type]

job

[Fault Content]

Email message size is over spec.

[Detection Conditions]

In paginating, mail data size per page exceeds system data 'max message size'.

[Corrective Actions]

Perform the following:

1. Reduce a send parameter of resolution (image-to-send quality) and resend the job.
2. Reduce a send parameter of magnification and resend the job. (A3 to A4, etc.)
3. Change "max message size" to a larger value. (10MB recommended as default)

If the problem still persists, obtain logs (pfshowinfo8 log and network log) just after the occurrence of it and contact the Support division for instructions.

2.5.2 Logging/Extraction Tools Operational Instructions

016-600 KO Authentication Locked

[Error Type]

History

[Fault Content]

Logged by incorrect KO authentication detection (Detects NG in continuous KO authentication).

[Detection Conditions]

The no. of continuous KO authentication errors reached the setting value of the System Data 'KO Authentication Continuous Error Maximum Count (NVM:700-563)'.

[Corrective Actions]

Only record the data to the history.

016-601 Illegal Access Detection

[Error Type]

History

[Fault Content]

Illegal trespassing detected (Identification/authentication error due to KO/CO User ID NG Or Password NG).

[Detection Conditions]

The no. of authentication errors (CO/KO inclusive) within the specified time reached the setting value of the System Data 'Authentication Error Maximum Count (NVM:700-564)'.

[Corrective Actions]

Only record the data to the history.

016-603 HDD not found Fail

[Fault Name]

HDD not found Fail

[Error Type]

Record

[Fault Content]

The HDD is not detected.

[Detection Conditions]

Although the HDD was connected in the previous Power ON, now it cannot be detected.

[Corrective Actions]

(No User intervention needed)

016-604 Created debug-log by System

[Fault Name]

Created debug-log by System

[Error Type]

Record

[Fault Content]

Debug Log Auto Creation by System

[Detection Conditions]

1. When the power is turned OFF and a debug log is automatically created during job execution
2. When the power is turned ON and a debug log is automatically created while the power is turned OFF and the Power OFF Sequence is not executed

[Corrective Actions]

Collect the debug log if necessary.

016-605 Created debug-log by ExtCont

[Fault Name]

Created debug-log by ExtCont

[Error Type]

Record

[Fault Content]

Debug Log Auto Creation by ExtCont

[Detection Conditions]

When a debug log is created by a request from an external DFE such as DocuSP

[Corrective Actions]

Collect the debug log if necessary.

016-606 Cont-BP Cable Connection Fail**[Fault Name]**

Cont-BP Cable Connection Fail

[Error Type]

Record

[Fault Content]

Cont-BP Cable Connection Fail

[Detection Conditions]

Fault in the connection with the back plane is detected by the controller.

[Corrective Actions]

Repair the connection fault.

016-607 Cont-UI Cable Connection Fail**[Fault Name]**

Cont-UI Cable Connection Fail

[Error Type]

Record

[Fault Content]

Cont-UI Cable Connection Fail

[Detection Conditions]

Fault in the connection with the UI Cable is detected by the controller.

[Corrective Actions]

Repair the connection fault.

016-608 Cont-MCU Cable Connection Fail**[Fault Name]**

Cont-MCU Cable Connection Fail

[Error Type]

Record

[Fault Content]

Cont-MCU Cable Connection Fail

[Detection Conditions]

Fault in the connection with the MCU Cable is detected by the controller.

[Corrective Actions]

Repair the connection fault.

016-609 PCI Option No Support Device Fail**[Fault Name]**

PCI Option No Support Device Fail

[Error Type]

Record

[Fault Content]

PCI Option No Support Device Fail

[Detection Conditions]

Unknown PCI Option is detected by the controller.

[Corrective Actions]

Remove unknown PCI Option.

016-610 PCIEX Option No Support Device Fail**[Fault Name]**

PCIEX Option No Support Device Fail

[Error Type]

Record

[Fault Content]

PCI EX Option No Support Device Fail

[Detection Conditions]

Unknown PCI Ex Option is detected by the controller.

[Corrective Actions]

Remove unknown PCI Ex Option.

016-611 SD Card Connection Fail**[Fault Name]**

SD Card Connection Fail

[Error Type]

Record

[Fault Content]

SD Card Connection Fail

[Detection Conditions]

SD Card not inserted is detected by controller.

[Corrective Actions]

Insert SD Card.

016-700 Password is under minimum figures

[Error Type]

job

[Fault Content]

The number of digits used for the password for security and authentication prints is less than the minimum.

[Detection Conditions]

The number of password digits for the job received is less than the minimum.

*Enable setting the minimum number of password digits for a security print and an authentication print in order not to store any job for which a less-than-minimum number of password digits are entered.

[Corrective Actions]

Use a minimum or larger number of password digits for the job to print out.

If the problem persists, perform the following:

Seeing the following, collect a info9 or xxx.tgz log and a network log, and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

016-701 Out of ART EX Memory

[Error Type]

Job Fail

[Fault Content]

Insufficient PLW Decomposer Memory

[Detection Conditions]

An insufficient memory was detected while using the ART EX.

[Corrective Actions]

Perform the following procedures in sequence:

1. Increase the allocated memory of the ART EX. (In some cases, actual memory must be increased)
2. Change the print mode. (Example: High Quality mode -> Normal mode)
3. Lower the resolution.
4. Set [Page Print mode] to [Enabled].
5. Execute [Image Compression] in the [Graphics] tab of the printer driver.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-702 Out of Page Buffer

[Error Type]

Job Fail

[Fault Content]

Not able to compress any page due to insufficient Print Page Buffer

[Detection Conditions]

Not a single page could be compressed.

Insufficient Print Page Buffer was detected.

[Corrective Actions]

1. Set [Print Mode] to [High Speed] and reduce the print resolution before retrying the operation.
2. Increase the memory to increase the page buffer.
3. Retry the operation in [Print Page Mode]. (PLW Decomposer (=ART-EX) only)
For [Print Page Mode], refer to the printer driver online help.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-703 Email To Invalid Box

[Error Type]

Job Fail

[Fault Content]

In receiving E-Mail/Fax/Internet FAX, an invalid (not setup) mailbox no. is selected.

[Detection Conditions]

Even if there are no options such as Internet FAX and Scan To E-Mail, this fault occurs in normal Fax receiving and sending.

Here is detailed description.

1. In Fax/Internet FAX sending, a mailbox is to be used in the machine for Fax communications, but the mailbox could not be set up.
2. In receiving Email/Fax/Internet FAX no mailbox or an invalid mailbox is detected, and a job is over.

[Corrective Actions]

Perform the following:

1. Check whether a selected mailbox is set up. If not, set it up.
2. Ask the sender to send E-Mail/Fax/Internet FAX to a valid mailbox.
If this does not resolve the problem, perform the following.
3. Replace the FMO (the IF Board for Fax).
If this does not resolve the problem, it then indicates that the HDD can be defect. Perform the following in order.

OF-02 HDD System Fail

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

016-704 Mailbox is Full**[Error Type]**

Job Fail

[Fault Content]

The system detected that a mailbox was full (it exceeded the maximum no. of documents per box) and aborted a job.

[Detection Conditions]

FULL status was detected at HD access and a job was aborted.

[Corrective Actions]

Delete unnecessary documents and then repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-705 Secure Print Fail**[Error Type]**

Job Fail

[Fault Content]

Unable to perform Secure Print/Mailbox Print/Pay for Print Storing from the Printer Driver.

Unable to store scanned documents into a Mailbox.

[Detection Conditions]

1. Although the machine was set to store scanned documents into a Mailbox, the Scanner Kit or E-mail Kit option was not installed.
2. The Printer Driver for this machine was not used.
Not for HDD standard machines but for machines with options
3. A Secure Print, Mailbox Print, Auditron Print, or Private Print job was received without the Functional Expansion Kit installed.

[Corrective Actions]

For 1, press the <All Services> button and check whether [Scanner (Scan to Mailbox)] is displayed. If it is displayed, check whether scanned documents can be stored into a Mailbox. If documents cannot be stored into the Mailbox, install the Scanner Kit or E-mail Kit option.

For 2, use the Printer Driver for this machine.

Not for HDD standard machines but for machines with options

For 3, check whether the Functional Expansion Kit is installed in this machine. When the Functional Expansion Kit is not installed:

- If the function is not used, set [Hard Disk] in the [Options] tab to [Not Available] at the Printer Driver.
- To use the function, install the Functional Expansion Kit.

When the Functional Expansion Kit is installed:

Set [Hard Disk] in the [Options] tab to [Available] at the Printer Driver.

1. Check whether the options required for mailbox storage are installed.

Required options: up to DMP5 - Scanner Kit; DMP6 or later - Scanner Kit or E-mail Kit.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

OF-10 HDD Job Fail

016-706 Max. User Number Exceeded**[Error Type]**

Job Fail

[Fault Content]

The system detected that a job exceeded the maximum no. of users for Secure and Sample Prints and aborted the job.

[Detection Conditions]

FULL status was detected at HD access and a job was aborted.

[Corrective Actions]

Delete unnecessary documents/users and print again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-707 Sample Print Fail**[Error Type]**

Job Fail

[Fault Content]

Sample Print Unavailable

(Does not satisfy the conditions for Sample Print due to HD not installed/HD error etc.)

[Detection Conditions]

Storage cannot be done without a HDD.

Registration for Sample Print failed.

[Corrective Actions]

Remove the conditions that disable Sample Print.

Check whether the HDD is installed.

If the problem has occurred at installation, check whether the operations for Sample Print are correct. If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

OF-02 HDD System Fail

016-708 HD Full by Annotation/Watermark image**[Error Type]**

Job Fail

[Fault Content]

Full During Annotation/Analog Watermark Image Storage

[Detection Conditions]

When an Annotation/Watermark image was to be stored in the HDD, Full status was detected and the job was aborted.

[Corrective Actions]

1. Cancel Annotation/Watermark and repeat the operation.
2. Reduce the no. of document pages. In Mixed Size mode, only a single size is available.
3. For printing Stored Document, delete unnecessary documents from the HDD and repeat the operation.
4. Expand the capacity of the HDD partition of the relevant service.
If the problem persists, perform the following procedures in sequence to repair it.
OF-09 Common Job Fail
OF-02 HDD System Fail

016-709 ART EX Command Error

[Error Type]

Job Fail

[Fault Content]

PLW Command Error
Error Detected By PLW Decomposer

[Detection Conditions]

An ART EX command error occurred during PLW processing.
Syntax error, undefined command
Parameter error
Decomposer internal error, etc.

[Corrective Actions]

This error occurs when some parts of the created print file are missing or abnormal. In parallel connection, check it according to the procedures given below.

1. Set [Parallel Bi-Directional Communication] to [OFF] in the printer driver.
2. Set a longer time for [Auto Output Time] by selecting [Port Settings]>[Parallel] in CWIS.
3. Replace the parallel cable.
4. If a long parallel cable is used, use a short cable (genuine) and try printing again.
5. Change the BIOS settings in the PC. (Change the current parallel port settings to others.)
6. Change the power supply outlet (socket).

In network connection, connect the PC with the printer for checking.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-710 Delayed Print Fail

[Error Type]

Job Fail

[Fault Content]

Delayed Print Fail

[Detection Conditions]

Process conditions for Delay Print were not met.

[Corrective Actions]

Check whether the HDD is installed.

1. (If HDD is installed or HDD is full, free up the HDD capacity.)
2. If Secure Print/Proof Print or Knowledge Storage Print is specified, disable them.
3. Reduce the Delay Print jobs waiting to 100 jobs or less.

If the problem has occurred at installation, check whether the operations are correct.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

OF-02 HDD System Fail

016-711 Email transmission size limit over

[Error Type]

Job Fail

[Fault Content]

The size of data to send exceeds the system data value (before connection to the server).

[Detection Conditions]

During Internet FAX or sending mail designated for forwarding, the send module (Redirector) attempted to send data exceeding the System Data [Upper Limit of Data Size for Scan to E-mail] to the internet.

NOTE: The same system data is also referenced in case of Scan to E-mail. It is detected during image storage in 016-985.

[Corrective Actions]

1. Reduce the resolution level, which is a transmission parameter, and resend the job.
2. Reduce the magnification ratio, which is a transmission parameter, and resend the job. (e.g. A3 to A4)
3. Through the System Settings window on the UI panel, change [Data Size Upper Limit]. (Default 2MB recommended)

016-712 Under PANTHER Capacity (I-Formtter)

[Error Type]

Job Fail

[Fault Content]

Capability of Panther Deteriorated

[Detection Conditions]

Capability of Panther in Scan service was deteriorated (I-Formatter).

[Corrective Actions]

Increase the resolution or enlarge the scan area.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-713 Security Box Password Error**[Error Type]**

Job Fail

[Fault Content]

Password check error was detected during data storage in a Mailbox.

[Detection Conditions]

Though the Mailbox specified for the job exists, the password set in the specified Mailbox and the password specified for the job do not match.

[Corrective Actions]

Set a correct password and try again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-714 Security Box is not Enable**[Error Type]**

Job Fail

[Fault Content]

Box not opened error was detected during data storage in a Mailbox.

[Detection Conditions]

The mailbox specified for the job does not exist.

[Corrective Actions]

Open the appropriate mailbox and try again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-715 ESCP Form Invalid Password**[Error Type]**

Job Fail

[Fault Content]

Unable to access ESCP Form because ESCP Form password did not match

[Detection Conditions]

Incorrect password was input when attempting to use ESCP form. Job is aborted.

[Corrective Actions]

Input the correct password to use ESCP Form.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-716 TIFF Data Overflow**[Error Type]**

Job Fail

[Fault Content]

The files to be spooled in the TIFF exceeded the disk capacity.

[Detection Conditions]

The system detected that the files to be spooled in TIFF exceeded the disk capacity.

[Corrective Actions]

Install the HDD or increase the capacity of the HDD.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

OF-02 HDD System Fail

016-717 Fax/Internet FAX Send Result Not Found**[Error Type]**

Job Fail

[Fault Content]

The Fax/Internet FAX Send Result Information is not saved in the Cont

[Detection Conditions]

Failed attempt to create 'Unsent Report' or 'Monitor Report' because the 'Send Result Data' that is required to create the report is not stored in the memory/HDD of the device.

- HDD Full due to an Internet FAX document send with size exceeding the partition C size (2GB or 4GB), resulting in the 'Internet FAX Send Result Data' being unable to be stored.
- Over 200 jobs were executed since the last selected Output Report job, resulting in the 'Internet FAX Send Result Data' being overwritten.

[Corrective Actions]

- Split any Internet FAX documents that would exceed 2GB in document storage size into several jobs and control the usage amount of memory, HDD, etc.
- If there is a large amount of Scanner/Internet FAX documents being processed, please wait until the other scanner/Internet FAX jobs are completed before performing your Scanner/Internet FAX job.
- Do not perform over 200 jobs in between the end of the job that you want to output the report for until the actual report output operation.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-718 Out of PCL6 Memory**[Error Type]**

Job Fail

[Fault Content]

Insufficient PCL6 Decomposer Memory

[Detection Conditions]

Insufficient memory was detected while using PCL6.

[Corrective Actions]

As the PLW memory is fixed, decreasing the resolution may reduce the PLW memory. (Only when PLW is enabled)

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-719 Out of PCL Memory

[Error Type]

Job Fail

[Fault Content]

Insufficient PLW Decomposer Memory

[Detection Conditions]

An insufficient memory was detected while using the PCL.

[Corrective Actions]

Increase the PCL memory size. Increasing the memory for the whole system will increase the memory to be allocated to the Decomposer in some measure.

UI settings or other ways cannot explicitly increase the PCL memory.

Therefore, if a job is aborted due to insufficient memory when the memory has been increased to the maximum capacity, change the printer driver settings to see if printing becomes available.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-720 PCL Command Error

[Error Type]

Job Fail

[Fault Content]

PCL Command Error

Error Detected By PCL Decomposer

[Detection Conditions]

A PCL command error occurred during PCL processing.

[Corrective Actions]

Cancel the job and execute the command again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-721 Other Error

[Error Type]

Job Fail

[Fault Content]

An unexpected error occurred during printing at the PLW decomposer.

[Detection Conditions]

An unexpected error occurred during printing.

- Paper types cannot be determined because all the settings for [Custom Paper Priority] are set to [Disabled] in CWIS, etc.
- This is an error that is not related to ART system commands/forms.
- ESCP command error.
- Incorrect control code from the input stream, etc.

[Corrective Actions]

Make settings for [Custom Paper Priority] in CWIS, etc.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-722 Job cancel by staple position NG

[Error Type]

Job Fail

[Fault Content]

The job is cancelled because the staple position or paper size is not available.

[Detection Conditions]

Staple position that is not supported by this machine or a paper size that is not supported by the Finisher was specified.

[Corrective Actions]

Set the Staple reference point, paper size, etc. of the Print Data that is sent to the printing section to be the ones that can be processed by the machine.

Furthermore, check the system at the client side.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-723 Job cancel by punch position NG

[Error Type]

Job Fail

[Fault Content]

The job is canceled due to impossible Punch position, paper size, etc

[Detection Conditions]

Punch position that is not supported by this machine or the paper size that is not supported by the Finisher was specified.

[Corrective Actions]

Set the Punch reference point, paper size, etc. of the Print Data that is sent to the printing section to be the ones that can be processed by the machine.

Furthermore, check the system at the client side.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-724 Complex Position Error of Staple and Punch**[Error Type]**

Job Fail

[Fault Content]

Job Canceled Due To Invalid Combination of Staple and Punch Positions

[Detection Conditions]

Invalid conditions that disable Staple and Punch have been set when both Staple and Punch were specified using CWIS or Box Job Flow (instruction manual) for printing from Mailbox and invalid binding positions such as Left Double Staple and Right Punch were set.

[Corrective Actions]

Change settings so that the same blinding position (same side of output paper) is specified.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-725 B-Formatter Library Image Conversion Error**[Error Type]**

Job Fail

[Fault Content]

An error has occurred in the B-Formatter during the image conversion of scanned document to Fax sending document

[Detection Conditions]

An error has occurred where the Mailbox document cannot be converted to Facsimile Data when Job Flow function of the machine is used to send the scanned documents stored in the Mailbox to the Facsimile Device.

[Corrective Actions]

Do not use the Job Flow function.

On the Facsimile selection screen of the machine, specify to directly scan the document and send it to the Facsimile recipient.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-726 PDL Auto Switch Fail**[Fault Name]**

PDL Auto Switch Fail

[Error Type]

Job

[Fault Content]

<Auto Judgment Error>

Auto SW Auto Judgment failed.

[Detection Conditions]

Print Language Auto Judgment Fail (Does not occur in devices with PCL5/ESCP.))

Although Print Mode is set to [Auto], print language cannot be automatically selected.

1. Postscript data is sent when Adobe PostScript 3 Kit (Option) is not installed.
2. HP-GL/2, 201H, PCL data is sent when Emulation Kit (Option) is not installed, and Print Mode is set to [Auto].

[Corrective Actions]

Fix and select the decomposer from the Operation Panel or with a command.

For 1., install Adobe PostScript 3 Kit.

For 2., install emulation kit.

If the problem still persists, perform the following:

OF-09 Common Job Fail

016-727 0-page document is unstorable in a MailBox.**[Error Type]**

Job Fail

[Fault Content]

The 0 page condition is detected in the Print job Mailbox storage.

[Detection Conditions]

The P-Formatter attempted to store a 0 page document into the Mailbox, but the job is canceled because 0 page documents cannot be stored.

[Corrective Actions]

Do not allow the Print Result that is to be stored in the Mailbox to be 0 page.

If Paper Saving is 'ON', turn it 'OFF' and print again. Check that the printed document is not a blank paper, and input some text if it is blank.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-728 Unsupported TIFF Data**[Error Type]**

Job Fail

[Fault Content]

Unsupported TIFF Data

[Detection Conditions]

[Incorrect TIFF file]

The data contains a Tag that is not set in the Image File Expansion Library.

[Corrective Actions]

Explain to the customer that the TIFF file is not supported. If further checking is required, contact Support G for checking.

016-729 TIFF Data Size too Big

[Error Type]

Job Fail

[Fault Content]

The files to be spooled in the TIFF exceeded the disk capacity.

[Detection Conditions]

[Incorrect TIFF file]

The specified settings exceed the upper limit of the valid no. of colors and pixels.

[Corrective Actions]

Correct the valid range.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-730 Unsupported ART Command

[Error Type]

Job Fail

[Fault Content]

ART Command Error

[Detection Conditions]

[ART Command Error]

A command not supported by the ART was detected.

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-731 Invalid TIFF Data

[Error Type]

Job Fail

[Fault Content]

Invalid TIFF Data

[Detection Conditions]

[Incorrect TIFF file]

The TIFF data is broken or discontinued halfway.

[Corrective Actions]

Send data again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-732 Form not registered

[Error Type]

Job Fail

[Fault Content]

[Form Overlay Error]

Data itself is not printed when the form specified is not registered in emulation.

[Detection Conditions]

The decomposer detected that the form specified is not registered.

[Corrective Actions]

Send the form data again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-733 Destination address resolution error

[Error Type]

Job Fail

[Fault Content]

A failure to resolve a P2P address problem (before connection to the server)

[Detection Conditions]

1. When E-mails are sent using Peer-to-peer communication, an IP address could not be obtained from the text on the right side of @ in the destination E-mail address.
2. When E-mails are sent using Peer-to-peer communication, DNS cannot be resolved with the text on the right side of @ in the destination E-mail address as FQDN.

[Corrective Actions]

1. Check if the destination address has been entered properly.
2. Set a correct DNS server address.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4 NET System Fault Check

2.4.5 Network-Related Details Check Flow

016-734 Simple transmission report invocation error

[Error Type]

Job Fail

[Fault Content]

Simple Destination Result Report Output Error

[Detection Conditions]

1) Simple Destination Result report output has failed.

[Corrective Actions]

1. Set [Receive via SMTP] for E-mail receive setting on the sending device.
2. Remove the restriction on receiving E-mails from a self-domain in the receivable domain list if any. If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4 NET System Fault Check

2.4.5 Network-Related Details Check Flow

016-735 Updating Job Template**[Error Type]**

Job Fail

[Fault Content]

Error During Updating Job Template

[Detection Conditions]

[Updating Job Template]

The system attempted to output the Job Template List while the Job Template was being updated.

[Corrective Actions]

Perform the operation again after the Job Template update completes.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-736 Remote directory lock error**[Error Type]**

Job Fail

[Fault Content]

Repository Lock Error

[Detection Conditions]

Creation of Lock directories has failed.

[Corrective Actions]

1. Delete any existing lock directories (*.LCK) in the transfer destination manually and then execute the job again.
2. Make correct settings for the permissions to the transfer destination directories.
3. Secure a disk capacity if the HDD for the transfer destination directory is full.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-737 Remote lock directory remove error**[Error Type]**

Job Fail

[Fault Content]

Lock Directory Deletion Error

[Detection Conditions]

Failed to delete the Lock directory. Power was turned OFF in the middle of FTP transfer because the CDI cable was disconnected or the Reset SW of DFE was pushed

[Corrective Actions]

Delete any existing lock directories (*.LCK) in the transfer destination manually and then execute the job again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-738 PS Booklet Illegal OutPut Size**[Error Type]**

Job Fail

[Fault Content]

Invalid Paper Size for PS Booklet Print

[Detection Conditions]

The specified paper size is invalid.

[Corrective Actions]

Specify the paper size that allows booklet printing.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-739 PS Booklet Document Output Mismatch**[Error Type]**

Job Fail

[Fault Content]

PS Booklet Document/Output Paper Mismatch

[Detection Conditions]

The combination of the specified document/paper sizes is incorrect.

[Corrective Actions]

Specify the combination of the document/paper sizes that allows booklet printing.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-740 PS Booklet OutPut Tray Mismatch

[Error Type]

Job Fail

[Fault Content]

Invalid Output Tray for PS Booklet Print

[Detection Conditions]

The specified tray is invalid.

[Corrective Actions]

Specify the tray that allows booklet printing.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-741 Download Mode NGJob Fail**[Error Type]**

Job Fail

[Fault Content]

Not able to change into Download Mode

[Detection Conditions]

- Unable to transit to Download Mode because download prohibition was detected due to SysData:700-420 = 1, or because a job exists.
- The machine did not transit to Download Mode because it detected 'User Operation in Progress'. (The machine remains in the 'User Operation in Progress' state for 1 minute after panel operation was completed)

[Corrective Actions]

- Cancel the Download Prohibited mode and check that the jobs have completed before retrying the operation. Check that the 'Communicating' LED is OFF.
- After completing a panel operation, wait for 1 minute or longer before starting the download operation.

If the problem persists, carry out the following procedure:

Cancel the Download Prohibited mode (set SysData:700-420 to 0) before retrying the operation.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

016-742 Download Data Product ID Mismatch**[Error Type]**

Job Fail

[Fault Content]

A mismatch in the Product ID of Download Data was detected

[Detection Conditions]

The Product ID sent by the Download Data does not match the Product ID (SysData: 700-421 ~ 700-428) stored in the SEEP-ROM.

[Corrective Actions]

As the Download Data is considered to be illegal, retry job after retrieving the Download Data again.

If the problem persists after retrying job with the correct Download Data, obtain log and request an investigation from the Support G.

016-743 Device Model/Panel Type Error**[Error Type]**

Job Fail

[Fault Content]

Device Model/Panel Type Error

The supported model in the Download Data does not match the Device Model.

[Detection Conditions]

- The ModelName obtained from the installed IISS/DADF/IOT/FaxCard/Finisher do not match the ModelName found in the firmware, CDI header inclusive, in the Download File. 'ModelName obtained from the currently installed ROM header' and 'ModelName stored in Download File' are compared in the Controller.

<Exception>

The MACS of DCC450G IOT/Bizen does not check ModelName because their I/F specification is old.

- The panel type (HBorFCW) connected to the device during Download is different from the panel type (HBorFCW) stored in the Controller firmware, CDI header inclusive, in the Download File.

[Corrective Actions]

The Download File is illegal. Find a Download File that has the same model with the device VerUP and retry job.

Or, find a Download File that supports the Panel (FCW-UI or HB-UI type) connected to the device and retry job.

016-744 Download Data CheckSum Error**[Error Type]**

Job Fail

[Fault Content]

CheckSum error of Download Data

[Detection Conditions]

Download Data has illegal CheckSum

[Corrective Actions]

Make sure that the cable connected to the device is secured properly and retry job.

016-745 Download Data XPJL Fatal Error**[Error Type]**

Job Fail

[Fault Content]

XPJL fatal error during Download

(Occurs after XPJL has recognized the received data as a Download Data)

[Detection Conditions]

Conditions such as Pflite having Strm function error, Download open, ioctl error, or unable to secure memory.

[Corrective Actions]

Obtain log and request an investigation from the Support G

016-746 Unsupported PDF File**[Error Type]**

Job Fail

[Fault Content]

PDF Error Due To Unsupported Function Sent

[Detection Conditions]

There was transparency or JBIG2 in a PDF 1.3 file.

[Corrective Actions]

Print via the driver from Acrobat Reader.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.4 Printing can be performed but abnormally

2.4.5 Network-Related Details Check Flow

016-747 No memory for drawing annotation**[Error Type]**

Job Fail

[Fault Content]

Insufficient memory when drawing an annotation image

[Detection Conditions]

When drawing an annotation image with the copy repeat function specified, there would be insufficient memory in this machine's controller board.

[Corrective Actions]

1. Increase the annotation image size.

2. Reduce the number of repeat images for the repeat function.

Avoid insufficient memory by performing a combination of the above steps 1 and 2.

If the problem persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the Support G for instructions.

OF-09 Common Job Fail

016-748 HD Full**[Error Type]**

Job Fail

[Fault Content]

HDD FULL when Mailbox is accessed

[Detection Conditions]

FULL state was detected when attempting to access the HD. Either cancel the job or proceed with user intervention 016-981.

[Corrective Actions]

1. Split the job into pages in order to prevent FULL state. Reduce the resolution if possible.
2. Delete documents that are no longer needed, such as: Mailbox documents, FAX Send Wait documents, Secure Print documents and Delayed Print documents. Make sure that there is space in the HDD before re-scanning and re-printing.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

OF-02 HDD System Fail

016-749 JCL Syntax Error**[Error Type]**

Job Fail

[Fault Content]

The PJL/XPJL detected a print language that cannot be printed

[Detection Conditions]

1. The print language received from the printer driver is a print language that cannot be printed by the machine.
2. ContentsBridge was used to attempt to print a PDF file through a machine that cannot process PDF.
3. When this happens with a received Internet FAX document, the Internet FAX document that was sent by the other machine is in a print language that cannot be printed by this machine.

[Corrective Actions]

In the case of 1, use the printer driver of the machine to print.

Explanation: Depending on PostScript, etc. options are necessary to print the desired print language.

For more details, please contact our sales representatives.

In the case of 2, do not use ContentsBridge to print a PDF file.

In case of 3, please request the other party to resend the Internet FAX document using a print language that can be printed by this machine.

OF-09 Common Job Fail

2.4.3 No output is available, no data is printed

2.4.4 Printing can be performed but abnormally

2.4.5 Network-Related Details Check Flow

016-750 Print job ticket description error

[Error Type]

Job Fail

[Fault Content]

PDF print job ticket description error has occurred

[Detection Conditions]

When the customer uses applications such as 'ContentsBridge2005', etc. to send PDF directly, the machine received the print job ticket that was sent together with the PDF. However, the print job ticket data is either 'Text that is not supported in this machine' or 'Print instruction that is not supported in this machine'.

[Corrective Actions]

Obtain the Printer Setup List, the job log report and the sent print data with attached print job ticket when the problem occurred.

OF-09 Common Job Fail

016-751 PDF Error

[Error Type]

Job Fail

[Fault Content]

PDF Error

[Detection Conditions]

1. Syntax error, usage of undefined command, parameter error, damaged PDF file, internal error of the PDF Decomposer has occurred during PDF Bridge process.

[Corrective Actions]

[FX PDF]

Use the driver from Acrobat Reader to print.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.3 No output is available, no data is printed

2.4.4 Printing can be performed but abnormally

2.4.5 Network-Related Details Check Flow

016-752 PDF Short of Memory

[Error Type]

Job Fail

[Fault Content]

PDF Short of Memory

[Detection Conditions]

Insufficient memory was detected during PDF Bridge processing.

[Corrective Actions]

[FX PDF]

When the Print mode is set to [High Quality], change the setting to [Normal]. When the Print mode is set to [Standard], change the setting to [High Speed]. (Only for the machine with High Quality mode.)

If the problem persists, expand the memory capacity.

If the problem persists after expanding to the maximum capacity, print using a driver from Acrobat Reader.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-753 PDF Password Mismatched

[Error Type]

Job Fail

[Fault Content]

PDF Password Mismatched

[Detection Conditions]

When processing a PDF file that is protected by a password, the password in the UI panel settings and the password specified using XPJL (set in the Contents Bridge Utility) do not match.

[Corrective Actions]

Specify the correct password using the UI or the Contents Bridge.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-754 PDF LZW Not Installed

[Error Type]

Job Fail

[Fault Content]

PDF LZW Not Installed

[Detection Conditions]

The PDF Bridge tried to process the PDF file compressed in LZW without the [Contents Bridge Expansion Kit] installed.

[Corrective Actions]

Install the 'Contents Bridge Extension Kit'. Or, print using a driver from Acrobat Reader.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-755 PDF Print Prohibited

[Error Type]

Job Fail

[Fault Content]

PDF Print Prohibited

[Detection Conditions]

The system processed a PDF file prohibited for printing.

[Corrective Actions]

Use Acrobat to clear the print prohibition setting and print the PDF file.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-756 Auditron - Prohibit Service**[Error Type]**

Job Fail

[Fault Content]

Auditron-Prohibit Service

[Detection Conditions]

Illegal User Detected

[Corrective Actions]

Request the Account Administrator for access to use the service.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-757 Auditron - Invalid User**[Fault Name]**

Auditron - Invalid User

[Error Type]

Job

[Fault Content]

Auditron - Invalid User

[Detection Conditions]

The account has not been registered.

*The above cases occur in various services, but because special cases also exist, an example is appended.

In the case of automatic execution of a job flow sheet, which originates from the mailbox created by a non-authenticated user when authentication mode is OFF, and accounting mode is enabled (Local accounting, Xerox Standard Accounting).

[Corrective Actions]

Set the correct account, and redo.

If the problem still persists, perform the following:

OF-09 Common Job Fail

016-758 Auditron - Disabled Function**[Error Type]**

Job Fail

[Fault Content]

Auditron-Disabled Function

[Detection Conditions]

An illegal account was detected.

[Corrective Actions]

1. Set the new function that is allowed for that account and try again.
2. Request the Account Administrator to add the rights.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-759 Auditron - Reached Limit**[Error Type]**

Job Fail

[Fault Content]

Auditron-Reached Limit

[Detection Conditions]

The no. of registered users reached the limit.

[Corrective Actions]

Request the Account Administrator to set the number of copies, etc.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-760 PS Decompose failure**[Error Type]**

Job Fail

[Fault Content]

[PS Decompose Error]

An error occurred in Decompose processing.

[Detection Conditions]

An error occurred in Decompose processing.

[Corrective Actions]

Resend the job. (If the problem persists, check the execution environment and data.)

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-761 FIFO EMPTY

[Error Type]

Job Fail

[Fault Content]

[Image Output]
FIFO EMPTY error

[Detection Conditions]

Image enlargement error (FIFO EMPTY Error)

[Corrective Actions]

Print in the High Speed mode. If the problem persists, print in the Print Guaranteed mode. (Only for the machine with this mode.)

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-762 Print LANG Not Installed**[Error Type]**

Job Fail

[Fault Content]

[Decomposer does not exist]
The system requested for functions (print language, print utility, etc.) that were not installed. (The Decomposer specified with PJL or Auto SW is not installed.)

[Detection Conditions]

The print language is not installed.
The system requested for functions (print language, print utility, etc.) that were not installed.
(The Decomposer specified with PJL or Auto SW is not installed.)

[Corrective Actions]

Fix and select the decomposer from the Operation Panel or with a command.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-763 POP server is not found.**[Error Type]**

job

[Fault Content]

The machine cannot find the POP server (when trying to connect to it).

[Detection Conditions]

(POPERR_SOCKET)

[Corrective Actions]

1. Check the following to see if the POP server, which is a destination, and this machine can communicate with each other on the network.

- The server IP address is correct.

- The network cable is connected.

016-764 SMTP Server Connect Error**[Error Type]**

Job Fail

[Fault Content]

The machine failed to connect to the SMTP server (when trying to do so).

[Detection Conditions]

The connection error with the SMTP Server was detected.
SMTP Server Response Code: 421 or 451.

[Corrective Actions]

1. The machine failed to connect to the SMTP server.
Wait for a while and repeat the operation.

If the situation does not improve, contact the network administrator for advice.

016-765 SMTP Server HD Full**[Error Type]**

Job Fail

[Fault Content]

The SMTP Server HDD is full. (after connection to the server)

[Detection Conditions]

The system detected that the SMTP Server HDD is full.
SMTP Server Response Code: 452

[Corrective Actions]

Contact the SMTP Server Administrator.
Retrieve E-mails in the SMTP Server HD. Check the server capacity.

016-766 SMTP Server File System Error**[Error Type]**

Job Fail

[Fault Content]

The memory capacity allotted by the SMTP server is exceeded. (after connection to the server)

[Detection Conditions]

Any error with the SMTP Server File System was detected.
SMTP Server Response Code: 552.

[Corrective Actions]

Contact the SMTP Server Administrator. Review the server capacity limit setting.

016-767 Invalid E-mail Address

[Error Type]

Job Fail

[Fault Content]

The SMTP server refused to accept the destination address. (after connection to the server)

[Detection Conditions]

The system detected that the E-mail destination address is incorrect.

SMTP Server Response Code: 550 or 551 or 553

[Corrective Actions]

Check a specific mail address and set a proper one.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4 NET System Fault Check

2.4.5 Network-Related Details Check Flow

016-768 Invalid Sender Address**[Error Type]**

Job Fail

[Fault Content]

The SMTP server refused to accept the sender address. (after connection to the server)

[Detection Conditions]

An error was received from the SMTP Protocol 'MAIL FROM:' command.

[Corrective Actions]

1. The SMTP server refused to accept the sender address.

Check that the sender address is correct.

If the situation does not improve, contact the network administrator for advice.

016-769 SMTP Server Unsupported DSN**[Error Type]**

Job Fail

[Fault Content]

The SMTP server does not support DSN. (after connection to the server)

[Detection Conditions]

ESMTP Protocol 'EHLO' Command Response Code: 502.

Or, 'DSN' does not appear in the 'Supported Command List' received from the Server.

[Corrective Actions]

1. Contact the network administrator for advice and ensure that the SMTP server supports DSN.

Or set Transmittal Confirmation to OFF and send the job.

016-770 The direct fax function is canceled by NVM.**[Error Type]**

Job Fail

[Fault Content]

Direct FAX job prohibition by the System Data Settings.

[Detection Conditions]

Direct FAX job prohibition by the System Data Settings.

[Corrective Actions]

To release the direct FAX job prohibition, set the target system to '0'.

If the problem persists, perform the following procedure to repair it.

Obtain the job logs (UI, Report, CWIS, SSMI applications).

016-771 Scan Data Repository ERR (DNS address)**[Error Type]**

Job Fail

[Fault Content]

The Scanned Data Repository Address cannot be solved (Response to DNS Address).

[Detection Conditions]

An error occurred while recalling the DNS Resolution Library.

[Corrective Actions]

Check the connection to the DNS. Or, check whether the Scan Data Repository domain name has been registered in the DNS.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4 NET System Fault Check

2.4.5 Network-Related Details Check Flow

016-772 Scan Data Repository ERR (DNS Library)**[Error Type]**

Job Fail

[Fault Content]

In trying to run a job using SMTP, the device found that the device had not been registered on the DNS server. (before connection to the server)

[Detection Conditions]

An error occurred while recalling the DNS Resolution Library.

[Corrective Actions]

Set the DNS address. Or, set the Scan Data Repository address using IP address.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4 NET System Fault Check

2.4.5 Network-Related Details Check Flow

If the problem persists, perform the following procedure to repair it.
OF-02 HDD System Fail

016-773 Invalid IP Address

[Error Type]

Job Fail

[Fault Content]

Local machine IP address failure (DHCP lease expired).

[Detection Conditions]

When connection fails, the valid flag of the resource IP address is 'False'.

[Corrective Actions]

Check the DHCP environment. Or, set a fixed IP address in the machine.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4 NET System Fault Check

2.4.5 Network-Related Details Check Flow

016-774 HD Full - Compression Convert

[Error Type]

Job Fail

[Fault Content]

[HDD Full at Compression type conversion]

HDD Full occurred when the S-Formatter did the compression type conversion of the JBIG compressed images into the MH system (partition #1).

[Detection Conditions]

Disk Full was detected when opening/writing file for Compression type conversion.

[Corrective Actions]

Free up some HDD space and repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-02 HDD System Fail

016-775 HD Full - Image Convert

[Error Type]

Job Fail

[Fault Content]

[Image Conversion Error]

Insufficient HDD capacity was detected during image conversion process by S-Formatter.

[Detection Conditions]

Disk Full was detected when opening/writing file for image processing operation.

[Corrective Actions]

Free up some HDD space and repeat the operation.

Retrieve each page from the EWS.

016-776 Image Conversion Error

[Fault Name]

Image Conversion Error

[Error Type]

Job

[Fault Content]

<Image Conversion Error>

Error due to other than HDD access during image conversion processing by S-Formatter.

[Detection Conditions]

1. Decode error during compression type conversion.
2. If overwrap operation is indicated in the instructions document, and when multi-page file (PDF, XPS, multi-page TIFF, etc) is specified in the output format, this fault may be detected.
3. In the case during FIPS Mode, based on the instructions document, PDF encrypted job is started, but the encryption algorithm specified cannot be used by the device
4. In the case for output format, when Microsoft Word(doc)/Excel(xls) is specified, but the number of objects including files (autoshapes, images, text boxes, etc) exceeds the specifications of Microsoft Word(doc)/Excel(xls)

[Corrective Actions]

1. If a failure occurred during Salutation/Fax to E-mail, try to retrieve each page from the mailbox via Web Browser.
2. For occurrences when the password, or signature is specified by the [Digital Certificate], perform the following.
 - Check the validity of the certificate.
 - Set the correct date and time of the device.
3. When scanning is done with the TWAIN driver, change the file format to JFIF, single-page TIFF.
4. Set FIPS mode to OFF, or remove PDF encryption setting in the instructions document.
5. Set to [Single File for Each Page], or 'Image Format' setting to 'Drawing Object'.

If the problem persists, perform the following:

2.4.5 Network-related Detailed Check Flow

2.4.5.4 CenterWare Internet Service Fault Check Flow

016-777 HD Access ERR-Image Convert

[Error Type]

Job Fail

[Fault Content]

[Image Conversion Error]

The HDD Access Error has occurred during image conversion process by S-Formatter.

[Detection Conditions]

An error other than Disk Full was detected when opening/reading/writing file for compression conversion/image processing operation.

[Corrective Actions]

Replace the HD and perform the operation again.

If the problem persists, perform the following procedure to repair it.

OF-02 HDD System Fail

016-778 HD Full - Scan Image Convert**[Error Type]**

Job Fail

[Fault Content]

[Scanned Image Conversion Error]

Insufficient HDD capacity was detected during scanned image conversion process in I-Formatter

[Detection Conditions]

HDD Full was detected when opening/writing file for operation

[Corrective Actions]

Free up some HDD space and scan again.

If the problem persists, perform the following procedure to repair it.

OF-02 HDD System Fail

016-779 Scan Image Conversion Error**[Error Type]**

Job Fail

[Fault Content]

[Scanned Image Conversion Error]

An error due to other causes than HDD Access has occurred during scanned image conversion process in I-Formatter

[Detection Conditions]

An error was detected in the Image Conversion Library

[Corrective Actions]

Repeat the operation.

[APC4300G] If an error occurs when scanning a relatively large-size document such as A3 with [Scan Resolution 600dpi] specified, reduce the scan resolution to 400dpi or less and operate again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-780 HD Access ERR-Image Convert**[Error Type]**

Job Fail

[Fault Content]

[Scanned Image Conversion Error]

A HDD access error was detected during scanned image conversion processing in I-Formatter

[Detection Conditions]

An error other than HDD Full was detected when opening/writing file for operation.

[Corrective Actions]

Change the HD and try scanning again.

If the problem persists, perform the following procedure to repair it.

OF-02 HDD System Fail

016-781 Server Connect ERR**[Error Type]**

Job Fail

[Fault Content]

The machine cannot find the SMTP server (when trying to do so).

[Detection Conditions]

Failed to connect to the SMTP mail server.

1. The machine and server cannot communicate with each other at all.
2. After establishing connection between this machine and the server, it was detected that the hostname set in the machine is not of ASCII characters.

[Corrective Actions]

1. Check the network cable for connection.
2. If the host name set up on this machine has non-ASCII letters, set a new host name using ASCII letters.
Log In/Out =>System Settings =>Network Settings =>Machine Mail Address/Host Name =>Host Name
3. Check that the server IP address is correct.

016-782 Server Login ERR**[Error Type]**

Job Fail

[Fault Content]

<Server Login Error>

A failure in logging in to the server to transfer a file to it.

[Detection Conditions]

<FTP>

Failed to log into FTP server

<SMB>

Failed to log into SMB server.

Also occurs in SMB when the network cable is disconnected

[Corrective Actions]

Perform the following procedures:

1. For SMB, first check the connection of the network cable. If that does not solve it, proceed as follows.
2. As EUC Code (Japanese) cannot be used in the hostname of the current specification, change it to English.
3. Register the job flow from EasyAdmin.
Now even if the hostname is in EUC Code (Japanese), transfer is possible.
4. Check the 'Server Name/IP Address' at the address display.
WinNT4.0: Because SMB transfer to WinNT4.0 is not possible with IP Address, change the 'Server Name/IP Address' to Hostname.
WinXP: Can SMB transfer normally even with IP Address.
5. In the default settings of WinXP, empty password cannot be used for access though the network.
Change the WinXP settings to 'Allow Empty Password Access' and operate again.
6. Set a login name and a password at the Destination Server.
7. Make correct settings for the attributes of the Job Template file.
8. At the CW, set the same account as above as a resource in the client PC.

If the problem persists, perform the following procedure to repair it.

OF-13 016-782/016/784 Fail

2.4.5 Network Related Details Check Flow

2.4.5.4 CenterWare Internet Service

2.4.5.5 Scanner

016-783 Invalid Server Path

[Error Type]

Job Fail

[Fault Content]

<Server Path Error in network transfer>

When transferring a file to the server, a selected path is not found.

[Detection Conditions]

<FTP>

'CWD' command failure of output directory specified in DocumentPath attributes. Either the specified path does not exist, or no access right

<SMB>

Either the specified path does not exist, or no access right

[Corrective Actions]

1. Make correct settings for the attributes of the Job Template file.
2. Check the server path name set in the Job Template and set up again.
If the problem persists, perform the following procedures in sequence to repair it.
2.4.5 Network-Related Details Check Flow
2.4.5.5 Scanner

Refer to CenterWare Scan Service Installation Guide.

016-784 Server Write ERR

[Error Type]

Job Fail

[Fault Content]

<Server Write Error in network transfer>

A failure in writing to the server to transfer a file to it.

[Detection Conditions]

<FTP>

FTP command 'STOR' or write failure, outside of HDD Full

<SMB>

Write error in the forwarding server, outside of HDD Full

[Corrective Actions]

Perform the following procedures:

1. Check that there is 'Write Authorization' in the server directory.
2. Free some space on the server disk.

If the problem persists, perform the following procedures in sequence to repair it.

OF-13 016-782/016-784 Fail

2.4.5 Network-Related Details Check Flow

2.4.5.5 Scanner

Refer to CenterWare Scan Service Installation Guide.

016-785 Server HD Full

[Error Type]

Job Fail

[Fault Content]

<Server File Full in network transfer>

When transferring a file to the server, the server file system becomes full.

[Detection Conditions]

<FTP>

FTP command 'STOR' or write failure, when HDD Full was detected

<SMB>

Write error in the forwarding server, when HDD Full was detected

[Corrective Actions]

Perform the following procedures:

1. Check that there is 'Write Authorization' in the server directory.
2. Free some space on the server disk.

If the problem persists, perform the following procedures in sequence to repair it.

2.4.5 Network-Related Details Check Flow

2.4.5.5 Scanner

Refer to CenterWare Scan Service Installation Guide.

016-786 HD Full-Scan Write ERR**[Error Type]**

Job Fail

[Fault Content]

<Internal HDD write error during scan>

Temporary file cannot be written to the Hard Disk during Scan to Server Hana/Oceans2/Imari: HD Full

[Detection Conditions]

When performing the scan function, files cannot be written in the HDD.

[Corrective Actions]

Take any one of the following actions:

- Turn the machine OFF then ON.
- If no paper remains in the tray of this machine, replenish the paper.
- If this occurs when sending e-mail, take any one of the following actions:
 - Reduce the resolution and re-send it.
 - Reduce the size and re-send it.
 - Reduce the number of pages and separate the job into several batches when sending.
 - Set [Output Color] to [Black] and re-send it.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

OF-10 HDD Job Fail

016-787 Invalid Server IP ADD**[Error Type]**

Job Fail

[Fault Content]

[JT Syntax Error during Scanning]

This is a syntax error in the Job Template during Scan to FTP operation and limited to the following cases (because of Redirector detection):

Incorrect Server IP Address (IP Syntax Error)

[Detection Conditions]

A text with incorrect format has been entered as the IP address for Job Template settings.

[Corrective Actions]

Specify the correct Job Template.

1. Check the settings of Job Template.

016-788 Retrieve to Browser Failed**[Error Type]**

Job Fail

[Fault Content]

Retrieval failed at Scan to SMB (via Web Browser)

[Detection Conditions]

The job was aborted, canceled or timed out by the device, or the job was canceled by the client.

[Corrective Actions]

1. Reload the browser page and perform retrieval operation again.
2. Activate the browser again and perform retrieval operation again.
3. Turn the device OFF then ON and perform retrieval operation again.
Note that no actions are required if the job was canceled by a user.
4. Improve the connection status to a network.
5. Check whether there are problems such as duplicated IP addresses.

If the problem persists, perform the following procedures in sequence to repair it.

2.4.5 Network-Related Details Check Flow

2.4.5.5 Scanner

Refer to CenterWare Scan Service Installation Guide.

016-789 HD Full - Job Memory**[Error Type]**

Job Fail

[Fault Content]

Redirector Task Operational HDD Limit Overflow

[Detection Conditions]

Redirector task operational HDD limit overflow was detected.

[Corrective Actions]

[For E-mail Send]

Use a lower resolution or reduce the size before sending.

Reduce the no. of pages to split the job into a few.

Send with B/W Binary etc.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

OF-02 HDD System Fail

2.4.5 Network-Related Details Check Flow

2.4.5.5 Scanner

016-790 Email fragment over**[Error Type]**

job

[Fault Content]

Email fragment quantity is over spec.

[Detection Conditions]

In paginating and partial fragmenting of message, the qty of mail fragments per address exceeds system data 'max fragment qty'.

[Corrective Actions]

Perform the following:

1. Reduce a send parameter of resolution (image-to-send quality) and resend the job.
2. Reduce a send parameter of magnification and resend the job. (A3 to A4, etc.)
3. Change "max fragment qty" to a larger value.

If the problem still persists, obtain logs (pfshowinfo8 log and network log) just after the occurrence of it and contact the Support division for instructions.

2.5.2 Logging/Extraction Tools Operational Instructions

016-791 File Retrieve Fail

[Error Type]

Job Fail

[Fault Content]

File Retrieve Fail

[Detection Conditions]

This error occurred during Scan to FTP/SMB, CWSS. Access to the transfer destination and job template storage destination has failed.

[Corrective Actions]

Check the Server directory structure and files (for their existence, etc.) and the access rights for both. Also, check whether access to the specified transfer destination server is available.

If the problem persists, perform the following procedures in sequence to repair it.

2.4.5 Network-Related Details Check Flow

2.4.5.5 Scanner

016-792 Specified Job Not Found

[Error Type]

Job Fail

[Fault Content]

Job Log for Specified Job ID does not exist

[Detection Conditions]

When printing the report for the job, the Job Log for the job specified in the Control Panel could not be retrieved.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-793 MF I/O HD Full

[Error Type]

Job Fail

[Fault Content]

[MFIO]

HD Full

[Detection Conditions]

The MF-IO Task detected HDD Full.

[Corrective Actions]

Delete the files in the HDD. Or, initialize the HD.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

OF-02 HDD System Fail

016-794 MediaReader:Media No Insert

[Error Type]

Job Fail

[Fault Content]

[Media Reader] Media Not Inserted (occurs during job)

[Detection Conditions]

The MediaLib detected this error while performing the operation that requires access to Media.

[Corrective Actions]

Check that the Media is inserted.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-795 MediaReader:Format Error

[Error Type]

Job Fail

[Fault Content]

[Media Reader] Format Error (occurs during job)

[Detection Conditions]

The MediaLib detected this error while performing the operation that requires access to Media.

[Corrective Actions]

1. Check the contents in the Media from the PC. Check the file format/directory in the media and the selected mode (Digital Camera Print/Document Print), then make settings again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-796 Document insert operation error**[Error Type]**

Job Fail

[Fault Content]

[Media Reader] File Attribute Retrieval Error (occurs during job) - Job Abort for this Job only

[Detection Conditions]

The MediaLib detected this error while performing the operation that requires access to Media.

[Corrective Actions]

1. Check the contents in the Media from the PC. Check whether the print file attribute data is displayed in the PC and make settings again.
If the problem persists, perform the following procedure to repair it.
OF-09 Common Job Fail

016-797 MediaReader:Image File Read Error**[Error Type]**

Job Fail

[Fault Content]

[Media Reader] Image File Retrieval Error (occurs during job) - Job Abort for this Job only

[Detection Conditions]

The MediaLib detected this error while performing the operation that requires access to Media.

[Corrective Actions]

1. Check the contents in the Media from the PC. Check whether the print file images are displayed in the PC and make settings again.
If the problem persists, perform the following procedure to repair it.
OF-09 Common Job Fail

016-798 No TrustMarking Option**[Error Type]**

Job Fail

[Fault Content]

No TrustMarking Option

[Detection Conditions]

A HDD unavailable error was returned when the Decomposer called the S-Image Library.

[Corrective Actions]

- Install the necessary options (HD).
If the problem persists, perform the following procedures in sequence to repair it.
OF-09 Common Job Fail
OF-02 HDD System Fail

016-799 PLW Print Instruction Fail**[Error Type]**

Job Fail

[Fault Content]

Print Instruction Fail Detected In PLW RAP

[Detection Conditions]

The specified print parameter is abnormal.

[Corrective Actions]

- Perform the job again.
If the problem persists, perform the following procedures in sequence to repair it.
OF-09 Common Job Fail
2.4.4 Printing can be performed but abnormally
2.4.5 Network-Related Details Check Flow

016-910 Required Resource Not Ready (IOTsc detect)**[Error Type]**

operation

[Fault Content]

Required Resource Not Ready

[Detection Conditions]

The paper and staples requested by the selected print parameters are not installed.

[Corrective Actions]

- Install the paper or replace the paper and install the staples.
If the problem persists, go to the following and solve it.
OF-09 Common Job Fail

016-911 Multi-Paper Required On A Single Tray**[Error Type]**

Operation

[Fault Content]

Multi-Paper Required On A Single Tray

[Detection Conditions]

- The paper and staples requested by the print specification are not loaded
Or,
Different sizes and/or types of paper switching are requested from the same Tray

[Corrective Actions]

- Force this Job to run and follow the panel display to replenish the paper, switch the paper, and replenish the staples.Or, cancel this Job.If the problem persists, perform the following:
OF-09 Common Job Fail

016-940 Duplex Mix Size NG

[Error Type]

Operation Error

[Fault Content]

2-Sided Specified Mix Size NG

[Detection Conditions]

Different size settings for side 1 and side 2 were detected after the job had started with 2-Sided Print specified.

[Corrective Actions]

Specify the job to avoid the detection conditions.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-941 Booklet Duplex Mix Size NG

[Error Type]

Operation Error

[Fault Content]

Booklet Specified Mix Size NG

[Detection Conditions]

Mixed size/direction set for the page with images was detected after the job had started with Booklet specified.

[Corrective Actions]

Specify the job to avoid the detection conditions.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-942 Page Delete Duplex Mix Size NG

[Error Type]

Operation Error

[Fault Content]

Page Delete 2-Sided Mix Size NG

[Detection Conditions]

Different size settings for side 1 and side 2 were detected after the pages with 2-Sided Print specified had been deleted.

[Corrective Actions]

Specify the job to avoid the detection conditions.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-943 Insert doc Duplex Mix Size NG

[Error Type]

Operation Error

[Fault Content]

Insert Document 2-Sided Mix Size NG

[Detection Conditions]

Different size settings for side 1 and side 2 were detected after the document and separators had been inserted for the pages with 2-Sided Print specified.

[Corrective Actions]

Specify the job to avoid the detection conditions.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-944 Document merge NG

[Error Type]

Operation Error

[Fault Content]

Document Collate & Cover/Separator Document Attachment NG

[Detection Conditions]

The document collate setting for the pages including the cover with images or the document with separators with Document Attachment specified was detected.

[Corrective Actions]

Specify the job to avoid the detection conditions.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-945 Insert doc Duplex print NG

[Error Type]

Operation Error

[Fault Content]

Insert Document 2-Sided Print NG

[Detection Conditions]

The documents that do not support 2-Sided Print has been inserted for the pages for 2-Sided Print.

[Corrective Actions]

Specify the job to avoid the detection conditions.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-946 Insert doc NG

[Error Type]

Operation Error

[Fault Content]

Document Inserted into Cover/Separator NG

[Detection Conditions]

A document or separator has been inserted between Cover pages or Separator pages.

[Corrective Actions]

Specify the job to avoid the detection conditions.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-947 APS No Destination Error**[Error Type]**

Operation Error

[Fault Content]

APS No Destination Error

[Detection Conditions]

The system detected that no tray is loaded with paper for Auto Paper Selection after the job for which the paper for APS (Auto Paper Selection) was selected or APS was set has started.

[Corrective Actions]

Specify the job to avoid the detection conditions.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-948 Small Book action NG**[Error Type]**

Operation Error

[Fault Content]

Booklet Selected Cover/Separator/Blank Paper NG

[Detection Conditions]

The covers with images, separators, or blank pages were detected after the job had started with Booklet specified.

[Corrective Actions]

Specify the job to avoid the detection conditions.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-949 Insert Mix doc NG**[Error Type]**

Operation Error

[Fault Content]

Insert Document Different Size Attachment NG

[Detection Conditions]

The document with a different size/orientation from the operated page was tried to be inserted for the job with Attachment specified.

[Corrective Actions]

Specify the job to avoid the detection conditions.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

016-981 HDD access error**[Error Type]**

Notice

[Fault Content]

When accessing it, the HD is detected being full

[Detection Conditions]

HDD Full was detected because Mailbox Scan, Fax Scan, Secure Print, Delay Print, Sample Print, or Scheduled Print was specified when the HDD partition/ide0c capacity is small.

– Print Job only prints the jobs stored in the HD, so this Fault does not occur for 'Job Fail 16-748'.

[Corrective Actions]

1. Split the job into pages in order to prevent FULL state. Reduce the resolution if possible.
2. Delete documents that are no longer needed, such as: Mailbox documents, FAX Send Wait documents, Secure Print documents and Delayed Print documents. Make sure that there is space in the HDD before re-scanning and re-printing.

When the procedures above did not work, expand the HDD partition size for the corresponding service that needs it.

If the problems persist, refer to the following procedures in sequence to repair it.

OF-09 Common Job Fail

OF-10 HDD Job Fail

016-982 HDD access error 2**[Error Type]**

Notice Error

[Fault Content]

When accessing it, the HD is detected being full.

The error that causes FULL not to be cleared despite a layover.(Even one page cannot be stored.)

[Detection Conditions]

HDD was determined to be full due to collate, stored or interrupted jobs.

[Corrective Actions]

Process or delete the jobs (documents) stored in the same HDD partition, and repeat the operation.

If the above procedures do not resolve the problem, expand the HDD partition size of the relevant service.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

OF-02 HDD System Fail

016-983 Image Log HDD Full

[Type Error]

Notice

[Fault Content]

This is prepared for the user to interfere and cancel a copy/scan job when the log image storage area on the disk becomes full with the level of ensuring creation set to 'High.'

[Detection Conditions]

With the system data 'Level of Ensuring Log Image Creation' set to 'High' the log image storage area on the disk becomes full (during processing a copy/scan job).

[Corrective Actions]

Press the Cancel Job button to cancel the job.

Rerun the job.

If the situation is the same despite some re-attempts, delete unnecessary documents saved in the device or change the level of ensuring creation (to Low). However, if the level is set to Low, log image creation cannot be ensured.

016-985 Data size over flow (Scan to Email)

[Error Type]

Notice Error

[Fault Content]

Scan to E-mail Data Size Exceeded

[Detection Conditions]

The size set in [E-mail Size Upper Limit] that is set from the Main Processor was exceeded.

[Corrective Actions]

Request to reduce the no. of documents, reduce the resolution, or increase the compression ratio if the job is Multi-value scan.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

017-700 ThinPrint Connection Timeout Fail

[Fault Name]

ThinPrint Connection Timeout Fail

[Error Type]

Job Fail

[Fault Content]

ThinPrint Connection Timeout Fail.

[Detection Conditions]

The connection with the ThinPrint .print Engine has timed-out.

[Corrective Actions]

Check the ThinPrint .print Engine for errors.

Check the connection to the ThinPrint .print Engine.

017-701 ThinPrint Connection Fail

[Fault Name]

ThinPrint Connection Fail

[Error Type]

Job Fail

[Fault Content]

ThinPrint Connection Fail.

[Detection Conditions]

An error has occurred in the connection to the ThinPrint .print Engine.

[Corrective Actions]

Check the ThinPrint .print Engine for errors.

Check the connection to the ThinPrint .print Engine.

017-702 ThinPrint Invalid Data Fail

[Fault Name]

ThinPrint Invalid Data Fail

[Error Type]

Job Fail

[Fault Content]

ThinPrint Print Data Fail.

[Detection Conditions]

The data that was sent from the ThinPrint .print Engine is incorrect.

[Corrective Actions]

This could be due to an error of the ThinPrint .print Engine.

Try printing again as this error sometimes can resolve by itself.

017-703 ThinPrint Over Maximum Data Size Fail

[Fault Name]

ThinPrint Over Maximum Data Size Fail

[Error Type]

Job Fail

[Fault Content]

ThinPrint Print Data Size Fail.

[Detection Conditions]

The data that was sent from the ThinPrint .print Engine has exceeded the maximum data size that can be handled by the device.

[Corrective Actions]

Split the job into several batches and try again.

017-704 ThinPrint Internal Fail

[Fault Name]

ThinPrint Internal Fail

[Error Type]

Job Fail

[Fault Content]

ThinPrint Internal Fail.

[Detection Conditions]

An error has occurred inside the device.

[Corrective Actions]

Perform reboot and try again.

017-705 ThinPrint SSL Authentication Invalid Certification Fail

[Fault Name]

ThinPrint SSL Authentication Invalid Certification Fail

[Error Type]

Job Fail

[Fault Content]

ThinPrint SSL Authentication Server Certificate Fail.

[Detection Conditions]

The Server Certificate being used by the ThinPrint .print Engine is incorrect.

[Corrective Actions]

Check the Server Certificate that is registered in the ThinPrint .print Engine.

017-706 ThinPrint SSL Authentication Before Expiration Fail

[Fault Name]

ThinPrint SSL Authentication Before Expiration Fail

[Error Type]

Job Fail

[Fault Content]

ThinPrint SSL Authentication Server Certificate Not Yet Valid Fail.

[Detection Conditions]

The validity period of the Server Certificate being used by the ThinPrint .print Engine has not started yet.

[Corrective Actions]

Check the Server Certificate that is registered in the ThinPrint .print Engine.

017-707 ThinPrint SSL Authentication Expired Fail**[Fault Name]**

ThinPrint SSL Authentication Expired Fail

[Error Type]

Job Fail

[Fault Content]

ThinPrint SSL Authentication Server Certificate Expired Fail.

[Detection Conditions]

The validity period of the Server Certificate being used by the ThinPrint .print Engine has expired.

[Corrective Actions]

Check the Server Certificate that is registered in the ThinPrint .print Engine.

017-708 ThinPrint SSL Authentication Misrepresentation Fail**[Fault Name]**

ThinPrint SSL Authentication Misrepresentation Fail

[Error Type]

Job Fail

[Fault Content]

ThinPrint SSL Authentication Server Address Mismatched Fail.

[Detection Conditions]

The address of the Server Certificate being used by the ThinPrint .print Engine is incorrect.

[Corrective Actions]

Check the Server Certificate that is registered in the ThinPrint .print Engine.

017-709 ThinPrint SSL Fail**[Fault Name]**

ThinPrint SSL Fail

[Error Type]

Job Fail

[Fault Content]

ThinPrint SSL Fail.

[Detection Conditions]

An SSL communication error with the ThinPrint .print Engine has occurred.

[Corrective Actions]

Check the device settings.

017-710 Media Type is Not Supported by Remote**[Fault Name]**

Media Type is Not Supported by Remote

[Error Type]

Job Fail

[Fault Content]

The media type at destination terminal is not supported.

[Detection Conditions]

The request received a connection refused response because the target connection has mismatched media.

[Corrective Actions]

Check the connection status of the communication device at the recipient.

017-711 SIP Redirect Response Fail**[Fault Name]**

SIP Redirect Response Fail

[Error Type]

Job Fail

[Fault Content]

SIP redirect request/3xx response.

[Detection Conditions]

Received a redirect response during SIP connection.

[Corrective Actions]

Check the address of the recipient.

017-712 SIP Session Timeout Fail**[Fault Name]**

SIP Session Timeout Fail

[Error Type]

Job Fail

[Fault Content]

SIP session/timeout.

[Detection Conditions]

There was no session refresh within the session interval.

[Corrective Actions]

Check the device at the recipient side.

017-713 Start TLS Unsupported Fail

[Fault Name]

Start TLS Unsupported Fail

[Error Type]

Job Fail

[Fault Content]

Start TLS Unsupported Fail.

[Detection Conditions]

The SMTP Server did not respond to STARTTLS.

(Reference: SMTPERR_STARTTLS_NONSUPPORT)

[Corrective Actions]

1. Change the SSL Operation Mode setting to other than STARTTLS Mode (TLS Mode),

If the problem persists, follow the logging procedures <<5>> to obtain the PfShowInfo 8 log and the network log immediately after the problem has occurred and contact the Support Department.

017-714 SMTP Over SSL Fail

[Fault Name]

SMTP Over SSL Fail

[Error Type]

Job Fail

[Fault Content]

SMTP Over SSL Fail.

[Detection Conditions]

SSL communication failure with SMTP Server.

(Reference: SMTPERR_SSL_FAILED)

[Corrective Actions]

1. If this had occurred in the TLS Mode, it may be due to a wrong Port Number.

Check the Port Number settings of the SMTP Server.

2. Other than that, it may be due to an internal error that has occurred in the program.

Follow the logging procedures <<5>> to obtain the PfShowInfo 8 log and the network log immediately after the problem has occurred and contact the Support Department.

017-715 SSL Cert Untrusted Fail

[Fault Name]

SSL Cert Untrusted Fail

[Error Type]

Job Fail

[Fault Content]

SSL Cert Untrusted Fail.

[Detection Conditions]

An SSL Server Authentication Error has occurred because there is something wrong in the Server Certificate Data.

(Reference: SMTPERR_SSL_AUTH_CERT)

[Corrective Actions]

1. The Multifunction Device is unable to trust the SSL Certificate of the SMTP Server. Register the Root Certificate of the SMTP Server SSL Certificate in the Multifunction Device.

If the problem persists, follow the logging procedures <<5>> to obtain the PfShowInfo 8 log immediately after the problem has occurred and contact the Support Department.

017-716 SSL Cert Date Invalid Fail

[Fault Name]

SSL Cert Date Invalid Fail

[Error Type]

Job Fail

[Fault Content]

SSL Cert Date Invalid Fail.

[Detection Conditions]

The validity period of the Server Certificate has not started yet.

(Reference: SMTPERR_SSL_AUTH_CERT_BEFORE_EXPIRATION)

[Corrective Actions]

1. Check that the clock of the SMTP Server and the Multifunction Device are correct.

If the clocks are correct, change the SMTP Server SSL Certificate to one that is valid.

2. Although you can also avoid this problem by turning OFF the Multifunction Device [SSL Server Verification] setting, take note that this will render it unable to guarantee the authenticity of the SMTP Server it is connecting to.

If the problem persists, follow the logging procedures <<5>> to obtain the PfShowInfo 8 log immediately after the problem has occurred and contact the Support Department.

017-717 SSL Server Cert Expired Fail

[Fault Name]

SSL Server Cert Expired Fail

[Error Type]

Job Fail

[Fault Content]

SSL Server Cert Expired Fail.

[Detection Conditions]

The validity period of the Server Certificate has expired.

(Reference: SMTPERR_SSL_AUTH_CERT_EXPIRED)

[Corrective Actions]

1. Check the validity period of the SMTP Server Certificate. Also check whether the clock of the Multifunction Device is correct.
2. Although you can also avoid this problem by turning OFF the Multifunction Device [SSL Server Verification] setting, take note that this will render it unable to guarantee the authenticity of the SMTP Server it is connecting to.

If the problem persists, follow the logging procedures <<5>> to obtain the PShowInfo 8 log immediately after the problem has occurred and contact the Support Department.

017-718 SSL Server Cert Invalid Fail**[Fault Name]**

SSL Server Cert Invalid Fail

[Error Type]

Job Fail

[Fault Content]

SSL Server Cert Invalid Fail.

[Detection Conditions]

The Server Name does not match the Server Address of the Server Certificate.

(Reference: SMTPERR_SSL_AUTH_MISREPRESENTATION)

[Corrective Actions]

1. Check that the Server Name that are registered in the SMTP Server Certificate and the Server Address are correct.
2. Although you can also avoid this problem by turning OFF the Multifunction Device [SSL Server Verification] setting, take note that this will render it unable to guarantee the authenticity of the SMTP Server it is connecting to.

If the problem persists, follow the logging procedures <<5>> to obtain the PShowInfo 8 log immediately after the problem has occurred and contact the Support Department.

017-719 SMTP Over SSL Internal Fail**[Fault Name]**

SMTP Over SSL Internal Fail

[Error Type]

Job Fail

[Fault Content]

SMTP Over SSL Internal Fail.

[Detection Conditions]

Software internal error has occurred during SMTP Over SSL process.

(Reference: SMTPERR_SSL_AUTH_FAILED)

[Corrective Actions]

1. Repeat the operation.

If the problem persists, follow the logging procedures <<5>> to obtain the PShowInfo 8 log and the network log immediately after the problem has occurred and contact the Support Department.

017-720 Contract Type Fail**[Fault Name]**

Contract Type Fail

[Error Type]

Job Fail

[Fault Content]

Contract Type value is incorrect.

[Detection Conditions]

The Contract Type value specified by PJJ Command is wrong.

[Corrective Actions]

Correct the Contract Type value specified by PJJ Command and try again.

017-721 Geographic Region Fail**[Fault Name]**

Geographic Region Fail

[Error Type]

Job Fail

[Fault Content]

Geographic Region value is incorrect.

[Detection Conditions]

The Geographic Region value specified by PJJ Command is wrong.

[Corrective Actions]

Correct the Geographic Region value specified by PJJ Command and try again.

017-722 Total Impressions Over Fail

[Fault Name]

Total Impressions Over Fail

[Error Type]

Job Fail

[Fault Content]

The Total Impressions of Billing Meter in the data for PJL Diag is 9,999,900 or more.

[Detection Conditions]

A change request for Geographic Region or Contract Type was received when the Total Impressions of Billing Meter is 9999900 or more.

[Corrective Actions]

Perform the operation when the value of Total Impressions is between 0 and 9,999,900.

017-723 DocuWorks Unsupported character Fail**[Fault Name]**

DocuWorks Unsupported character Fail

[Error Type]

Job

[Fault Content]

DocuWorks Unsupported character Fail

[Detection Conditions]

When the DocuWorks Decomposer is working, it detected some text that cannot be output is in use.

[Corrective Actions]

Print from the DocuWorks Viewer using the Print Driver (ART-EX, PCL, etc.).

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

017-724 Denshi-Pen Syntax Fail**[Fault Name]**

Denshi-Pen Syntax Fail

[Error Type]

Job

[Fault Content]

Denshi-Pen Instruction Error

[Detection Conditions]

Error of XPJL, which is included in Denshi-Pen print instructions is detected, or Denshi-Pen not supported.

- Device does not support Denshi-Pen.
- 17 or more layout instructions are given.
- There is no supported layout number.

[Corrective Actions]

Check that device supports Denshi-Pen. If it does, perform the operation again.

If the problem still persists, perform the following:

OF-09 Common Job Fail

017-725 Forced Annotation Syntax Fail**[Fault Name]**

Forced Annotation Syntax Fail

[Error Type]

Job

[Fault Content]

Forced Annotation Syntax Error

[Detection Conditions]

Syntax error in Forced Annotation instructions is detected.

[Corrective Actions]

Check the driver settings.

If the problem still persists, perform the following:

OF-09 Common Job Fail

017-728 Scan JobFlow Document Fail**[Fault Name]**

Scan JobFlow Document Fail

[Error Type]

Job

[Fault Content]

Error of target document for processing during execution of Scan Job Flow Service

[Detection Conditions]

1. MS Word or MS Excel is specified as the output format in the instructions, but the target document for processing does not possess the conditions required for format processing.
2. Extension Scanner Kit not installed
(Scan To Office Selection Service not enabled)

[Corrective Actions]

1. MS Word or MS Excel is specified as the output format in the instructions, perform any of the following.
 - Change output format to other than MS Word, MS Excel.
 - Start Job Flow Service after satisfying all conditions below.
 - The document for processing is a Scan document
 - The document for processing is full color
 - Size of the document for processing is 50mmx50mm or more, 297mmx432mm or less
 - Color space of the document for processing is standard color space

- Resolution of the document for processing is 300dpi
 - Magnification of the of the document for processing is 100%
2. Extension Scanner Kit Position

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

017-729 Temporary Err in Pdl Transfer

[Fault Name]

Temporary Err in Pdl Transfer

[Error Type]

Job

[Fault Content]

PDL Data Transfer Temporary Failure

[Detection Conditions]

Temporary inability to send due to maximum jobs exceeded at the destination device, or spool area of print data full, etc.

[Corrective Actions]

Set the spooling of the print data at the destination device to hard disk.

Change CentreWare Internet Service [Properties] → [General Settings] → [Memory Settings] → [IPP] → [No Spooling] to [Spool to Hard Disk].

If problem persists, immediately after problem appears, obtain the [PfShowInfo 8 Log] and [Network Packet], and contact the Support Department.

2.5.1 Explanation of Log Collection/Retrieval Tool Feature

017-730 Network Err in Pdl Transfer

[Fault Name]

Temporary Err in Pdl Transfer

[Error Type]

Job

[Fault Content]

PDL Data Transfer Failure

[Detection Conditions]

Network occurred during PDL data transfer.

[Corrective Actions]

1. Check the connection of the network cable.
2. Check the destination device is powered on.
3. Check the IPP port of the destination device is enabled.

If problem persists, immediately after problem appears, obtain the [PfShowInfo 8 Log] and [Network Packet], and contact the Support Department.

2.5.1 Explanation of Log Collection/Retrieval Tool Feature

017-731 POP Server Not ConnectFail

[Fault Name]

POP Server Not ConnectFail

[Error Type]

Job

[Fault Content]

POP Server Connection Failure

[Detection Conditions]

Failed to connect to the POP server.

[Corrective Actions]

1. Check that network communication between the POP server and this machine is available, by the following:

- Check that the POP server IP address that is set in the device is correct.
- Check the connection of network cables.

If the problem persists, obtain the PfShowInfo 8 log and network packets immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

017-732 Offline Err in Pdl Transfer

[Fault Name]

Offline Err in Pdl Transfer

[Error Type]

Job

[Fault Content]

Transfer Failure Due to Destination Device being Offline

[Detection Conditions]

Unable to send because destination printer is offline.

[Corrective Actions]

Disable the offline status of the destination device.

If problem persists, immediately after problem appears, obtain the [PfShowInfo 8 Log] and [Network Packet], and contact the Support Department.

2.5.1 Explanation of Log Collection/Retrieval Tool Feature

017-733 Internal Err in Pdl Transfer

[Fault Name]

Internal Err in Pdl Transfer

[Error Type]

Job

[Fault Content]

Internal Software Error During PDL Data Transfer

[Detection Conditions]

Internal software error is detected during PDL data transfer.

[Corrective Actions]

Repeat the operation.

If problem persists, immediately after problem appears, obtain the [PfShowInfo 8 Log] and [Network Packet], and contact the Support Department.

2.5.1 Explanation of Log Collection/Retrieval Tool Feature

017-734 URF(Universal Raster Format) Error

[Fault Name]

URF(Universal Raster Format) Error

[Error Type]

Job

[Fault Content]

URF(Universal Raster Format) Error

[Detection Conditions]

Syntax error, use of undefined command, parameter error, URF file damage, URF decomposer internal error occurred during URF decomposer processing.

[Corrective Actions]

Print with other print methods supported by the device (printer driver, utility other than AirPrint).

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

017-735 Auditron - Prohibit Device Fail

[Fault Name]

Auditron - Prohibit Device Fail

[Error Type]

Job

[Fault Content]

Auditron - Prohibit Device Fail

[Detection Conditions]

Unauthorized user is detected.

*After user verification, it is known that user is prohibited from using the device.

[Corrective Actions]

Get permission to use the device from the account administrator.

If the problem still persists, perform the following:

OF-09 Common Job Fail

017-737 Custom Transfer Out Of Memory Fail

[Fault Name]

Custom Transfer Out Of Memory Fail

[Error Type]

Job

[Fault Content]

Custom transfer insufficient memory error

[Detection Conditions]

The software module that runs Java within the Controller has ran out of memory and became unable to continue operating.

[Corrective Actions]

- 1) Deactivate or delete all unnecessary plug-ins
- 2) Turn the power OFF and ON
- 3) Initialize the Hard Disk

017-738 Custom Transfer JVM Internal Fail

[Fault Name]

Custom Transfer JVM Internal Fail

[Error Type]

Job

[Fault Content]

Custom transfer internal error

[Detection Conditions]

The system detected that the JVM has stopped due to internal error.

[Corrective Actions]

- 1) Turn the power OFF and ON
- 2) Initialize the Hard Disk

017-739 Custom Transfer Service Not Available Fail

[Fault Name]

Custom Transfer Service Not Available Fail

[Error Type]

Job

[Fault Content]

Custom transfer XCP not activated error

[Detection Conditions]

Any of the following condition was detected when the [Custom transfer] Job is in progress.

(Condition 1) The [XCP embedded customization feature] is disabled.

[Corrective Actions]

1) Enable the embedded plug-in feature.

For UI Panel:

Login as System Administrator, select the [System Settings] tab -> [Common Service Settings] -> [Plug-in Settings], set [Embedded Plug-ins] to [Enabled] and reboot the machine.

For CWIS:

Login as System Administrator, select [Properties] tab, [Security] -> [Plug-in Settings] -> [Plug-in Settings], enable [Plug-in Settings] and reboot the machine.

2) Input the software key for the Customization Kit.

017-740 Custom Transfer Plug-in Not Available Fail**[Fault Name]**

Custom Transfer Plug-in Not Available Fail

[Error Type]

Job

[Fault Content]

Custom transfer plug-in not activated error

[Detection Conditions]

Any of the following condition was detected when the [Custom transfer] Job is in progress.

(Condition 1) The custom transfer plug-in is not registered.

(Condition 2) The custom transfer plug-in is not activated.

(Condition 3) The system has failed to read the custom transfer plug-in file.

[Corrective Actions]

Login as System Administrator at CWIS, select [Properties] tab, [Security] -> [Plug-in Settings] -> [List of Embedded Plug-ins], register the custom transfer plug-in and reboot the machine.

017-741 Custom Transfer Invalid Plug-in Fail**[Fault Name]**

Custom Transfer Invalid Plug-in Fail

[Error Type]

Job

[Fault Content]

The custom transfer plug-in invalid API

[Detection Conditions]

The instruction that was specified by the instruction set to the plug-in and the feature provided by the plug-in (API) are mismatched when the [Custom transfer] Job is in progress.

[Corrective Actions]

1) Upgrade the embedded plug-in feature (install the latest version).

2) Check the contents of the instruction set that is being used. If the instruction set was generated by a custom service, revise the custom service contents.

017-742 Custom Transfer Plug-in Connection Fail**[Fault Name]**

Custom Transfer Plug-in Connection Fail

[Error Type]

Job

[Fault Content]

Custom transfer plug-in server connection error

[Detection Conditions]

The connection (initial) to the server, etc. has failed.

Unable to find the server, failed to resolve the DNS, etc.

[Corrective Actions]

Check whether the transfer destination server, etc. and the Main Unit is able to communicate via the network.

017-743 Custom Transfer Plug-in Authentication Fail**[Fault Name]**

Custom Transfer Plug-in Authentication Fail

[Error Type]

Job

[Fault Content]

Custom transfer plug-in authentication error

[Detection Conditions]

The login to the server, etc. has failed.

Incorrect User Name, incorrect Password, etc.

[Corrective Actions]

Check whether it is possible to login to the transfer destination server, etc. by using the specified User Name and Password.

017-744 Custom Transfer Plug-in Access Fail**[Fault Name]**

Custom Transfer Plug-in Access Fail

[Error Type]

Job

[Fault Content]

Custom transfer plug-in server access error

[Detection Conditions]

Access error to the server, etc. (after the connection) was detected.

Incorrect path, insufficient access rights, server disk full, etc.

[Corrective Actions]

Check whether it is possible to access the transfer destination server, etc. by using the specified path. Check whether the transfer destination server, etc. has enough free capacity.

017-745 Custom Transfer Plug-in Disk Full Fail

[Fault Name]

Custom Transfer Plug-in Disk Full Fail

[Error Type]

Job

[Fault Content]

Custom transfer plug-in local disk full

[Detection Conditions]

Insufficient Hard Disk area for processing was detected.

[Corrective Actions]

Take any one of the following actions:

- Lower the resolution and re-send.
- Reduce the size and re-send.
- Reduce the page count and re-send the Job in several batches.
- Change the [Output Color] to [Black & White] and re-send.

017-746 Custom Transfer Plug-in Disk Fail

[Fault Name]

Custom Transfer Plug-in Disk Fail

[Error Type]

Job

[Fault Content]

Custom transfer plug-in local disk malfunction

[Detection Conditions]

A Hard Disk related error other than Full was detected.

[Corrective Actions]

- 1) Turn the power OFF and ON
- 2) Initialize the Hard Disk

017-747 Custom Transfer Plug-in Connection Timeout Fail

[Fault Name]

Custom Transfer Plug-in Connection Timeout Fail

[Error Type]

Job

[Fault Content]

Custom transfer plug-in communication timed out error

[Detection Conditions]

When communicating with the server, etc., timeout was detected.

[Corrective Actions]

A timeout has occurred. This could be due to the following reasons:

-Heavy server load/network load.

Wait a while, then try to perform the job again.

If the situation does not improve, consult with the Network Administrator.

017-748 Custom Transfer Plug-in Invalid Device Property Fail

[Fault Name]

Custom Transfer Plug-in Invalid Device Property Fail

[Error Type]

Job

[Fault Content]

Custom transfer plug-in invalid device settings data error

[Detection Conditions]

Unable to transfer due to insufficient or invalid device settings data.

[Corrective Actions]

Check whether the required device settings for file transfer had been made.

017-749 Custom Transfer Plug-in XML Fail

[Fault Name]

Custom Transfer Plug-in XML Fail

[Error Type]

Job

[Fault Content]

Custom transfer plug-in XML grammar error

[Detection Conditions]

When extracting the custom transfer parameter from XML file, the obtaining of the parameter has failed, the parameter format is inconsistent, or the parameter value cannot be processed due to wrong grammar.

[Corrective Actions]

Check the contents of the instruction set that is being used. If the instruction set was generated by a custom service, revise the custom service contents.

017-750 Custom Transfer Plug-in Internal Fail

[Fault Name]

Custom Transfer Plug-in Internal Fail

[Error Type]

Job

[Fault Content]

Custom transfer plug-in internal error

[Detection Conditions]

An internal logic error was detected in the custom transfer plug-in.

[Corrective Actions]

Turn the power OFF and ON

Revise the custom transfer plug-in and then reinstall it.

017-751 Custom Transfer Plug-in Other Fail

[Fault Name]

Custom Transfer Plug-in Other Fail

[Error Type]

Job

[Fault Content]

Custom transfer plug-in other error

[Detection Conditions]

An error specific to the custom transfer plug-in was detected.

[Corrective Actions]

Refer to the error details in [Transmission Report - Job Undelivered] to take action.

017-754 SCAN DISABLE DURING DFE ASRS PRINT FAIL

[Fault Name]

SCAN DISABLE DURING DFE ASRS PRINT FAIL

[Error Type]

Job

[Fault Content]

Jobs that use the IIT is prohibited during speed printing with DFE Heavyweight, etc.

[Detection Conditions]

During a DFE Print Job (Heavyweight, etc. speed mode), the activation of a Job that uses the IIT was detected.

[Corrective Actions]

Wait until the DFE Print Job has completed and reactivate the Job that uses the IIT.

018-400 IPSEC Error (Configuration Mismatch)

[Error Type]

Info

[Fault Content]

IPSEC Error (setting mismatch)

[Detection Conditions]

Although the IPSEC is enabled, the password is not set because 'authentication method = [Pre-shared key]' or the IPSEC certificate is not set because 'authentication method = [Digital Signature]'.

[Corrective Actions]

Clear the IPSEC setting mismatch and enable the IPSEC again. Mismatched IPSEC settings: when password is not set because 'authentication method = [Pre-shared key]' or when IPSEC certificate is not set because 'authentication method = [Digital Signature]'.

018-401 Inconsistent SIP configuration

[Error Type]

info

[Fault Content]

An inconsistent SIP Server setting is detected.

[Detection Conditions]

One of the following has been detected: the 'IP Operation Mode setting' and the 'Method of Obtaining SIP Server Address setting' on the device are inconsistent with each other, or the 'IP Operation Mode setting' and the 'SIP Server Address setting' are inconsistent.

[Corrective Actions]

- When 'IP Operation Mode' is set to IPv4 and 'IP Address Obtainment Mode' is manually set, set 'Method of Obtaining SIP Server Address' to 'manual'.
- In any case except when 'IP Operation Mode' is set to IPv4 and 'IP Address Obtainment Mode' is manually set, set 'Method of Obtaining SIP Server Address' to 'manual' or DHCP.
- When 'IP Operation Mode' is set to IPv6, set 'Method of Obtaining SIP Server Address' to 'manual' or DHCPv6.
- If 'Method of Obtaining SIP Server Address' is set to 'manual' and the address is set using FQDN strings, set up the DNS Server in the way that enables DNS to properly solve an address problem.
- When 'IP Operation Mode' is set to IPv4 and 'IP Address Obtainment Mode' is manually set, set up SIP Server Address using an IPv4 address or FQDN strings.
- When 'IP Operation Mode' is set to IPv6, set up SIP Server Address using an IPv6 address or FQDN strings.
- It is mandatory to set up Primary SIP Registrar Server Address and Primary SIP Proxy Server Address.

018-402 SIP server communication fail

[Error Type]

info

[Fault Content]

A failure in communication with the SIP Registrar Server

[Detection Conditions]

One of the following has caused a failure in registering info about the local machine with the SIP Registrar Server.

- SIP Server Address info could not be obtained through DHCP or DHCPv6.
- The machine could not communicate with the manually set-up SIP Registrar Server.
- The machine could not communicate with the SIP Registrar Server obtained through DHCP or DHCPv6.
- The machine could not communicate with the SIP Registrar Server.

[Corrective Actions]

- When 'Method of Obtaining SIP Server Address' is set to DHCP or DHCPv6, check that this machine can normally communicate with the DHCP Server or the DHCPv6 Server. Check that there is no disconnected cable or switch/hub failure.
- When 'Method of Obtaining SIP Server Address' is set to DHCP or DHCPv6, check that the DHCP Server or the DHCPv6 Server is active. Furthermore, check that the setting is made that enables distribution of SIP Server Address.
- When 'Method of Obtaining SIP Server Address' is manually set, check the set-up address is correct. If the address is set using FQDN strings, set up the DNS Server in the way that enables DNS to properly solve an address problem.
- When 'Method of Obtaining SIP Server Address' is set to DHCP or DHCPv6, check that the SIP Server address that the DHCP Server or the DHCPv6 distributed is correct.
- Check that this machine can normally communicate with the SIP Registrar Server. Check that there is no disconnected cable or switch/hub failure.
- Check that the SIP Registrar Server is active.

018-403 SIP registraion fail (authentication)

[Error Type]

info

[Fault Content]

A failure in registering with the SIP Registrar Server. (Authentication error)

[Detection Conditions]

Authentication error. The registering of info about the local machine with the SIP Registrar Server has failed.

[Corrective Actions]

When the SIP Registrar Server is set up in the way that requires it to authenticate a machine, set the correct user name and password for authentication of this machine when registering it with the SIP Registrar Server.

018-404 SIP registration fail(other)

[Error Type]

info

[Fault Content]

A failure in registering with the SIP Registrar Server. (an error under Other)

[Detection Conditions]

An error under Other except an authentication error. The registering of info about the local machine with the SIPRegistrar Server has failed.

[Corrective Actions]

Check that the SIP Registrar Server is set up in the way that enables it to receive info about this machine for registration.

018-405 UserAccount Disable**[Fault Name]**

UserAccount Disable

[Error Type]

Information

[Fault Content]

User Account Disabled Error.

[Detection Conditions]

Authentication error has occurred because [Account Invalid] has been set for the involved user in the Active Directory Server that was specified by the LDAP Authentication.

[Corrective Actions]

There is a checkmark at [Account Invalid] for the involved user in the Active Directory of the LDAP Authentication Destination Server.

The server had been set to prohibit access from the involved user.

Consult with the Server Administrator.

018-500 CA Message Receiver Boot Error(S_cert lost)**[Error Type]**

job

[Fault Content]

An error in starting the server that receives a CA authentication message.

[Detection Conditions]

The SSL server that is necessary for CA could not start because there was no server certificate or private key at an attempt to start the device.

[Corrective Actions]

Make the IOT and the Controller the same in agreement info.

As there is no server certificate for the device, set up Server Certificate, or set the CA function to OFF.

If the problem persists, collect the pfshowinfo9 log and network log following 2.5.1 LOG immediately after the occurrence of the problem, and contact the support division for directions.

2.5.1 LOG

018-501 CA Server Connection Error**[Error Type]**

job

[Fault Content]

CA Authentication Server communication error

[Detection Conditions]

The device could not connect to the CA server when trying to do CA authentication. The device has failed in communication.

[Corrective Actions]

Make the IOT and the Controller the same in agreement info.

The device has failed in communicating with the CA server set up on the device. Check the address of the CA server, or recheck the connection to the network.

If the problem persists, collect the pfshowinfo9 log and network log following 2.5.1 LOG immediately after the occurrence of the problem, and contact the support division for directions.

2.5.1 LOG

018-502 Login failure in SMB**[Error Type]**

Job Fail

[Fault Content]

The workstations that can log in during SMB Scan are limited

[Detection Conditions]

When logging in to the SMB server, it was detected that the workstations that can log in during SMB Scan are limited.

[Corrective Actions]

Check the properties information of the specified user and check whether the workstations that can log in to the server are limited.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

018-503 CA Message Receiver Timeout**[Error Type]**

job

[Fault Content]

CA Authentication Server timeout

[Detection Conditions]

The device received a message from the CA server and was waiting for a JRM/UI judgment, but received no response, and time has become out.

[Corrective Actions]

Make the IOT and the Controller the same in agreement info.

Due to some internal load of the device, response-to-CA Server time has become out. Retry the authentication operation.

If the problem persists, collect the pfshowinfo9 log and network log following 2.5.1 LOG immediately after the occurrence of the problem, and contact the support division for directions.

2.5.1 LOG

018-504 CA SessionID Mismatch

[Error Type]

job

[Fault Content]

CA Authentication SessionID error

[Detection Conditions]

In communication between the device and the CA server for authentication, a mismatch in Session ID between both has occurred. (Communication error, internal error of the device, or wrong code)

[Corrective Actions]

Make the IOT and the Controller the same in agreement info.

An error has occurred in the authentication operation between the CA server and the device. Retry the authentication operation.

018-505 SMB-DOS protocol error 1-005

[Error Type]

Job Fail

[Fault Content]

SMB User Authentication Failed/Unable to log into SMB Scanner

[Detection Conditions]

In SMB Authentication:

- The user could not be identified because of his/her wrong user name or password.
- The time SMB Server tells differs from the time the machine tells. (This occurs under Windows Server 2003)

In Scanner to SMB:

- When trying to send a scanned image, the user could not log in to the SMB server because of his/her wrong user name or password.
- The time SMB Server tells differs from the time the machine tells. (This occurs under Windows Server 2003)

[The following applies to DMP6-2 and later products only.]

- The specified user name is not registered as a user that can use Share Windows. (MacOS X v10.4)

[Corrective Actions]

Take either of the following actions to resolve the problem.

- Contact the network administrator for the correct user name or password.

- In the case of Windows Server 2003, synchronize the time SMB Server tells with the time this machine tells.

NOTE: There is no way to confirm Password. If the user forgets his/her password, he/she needs to set up a new password.

This is how to reset Password:

1. On the domain controller for the active directory that has user info, select [Start] menu->[All Programs]>[Management Tool]>[Active Directory Users and Computers].
2. From the left frame of the [Active Directory Users and Computers] window, select [Active Directory Users and Computers [Server]]>[Domain]>[Users], and list user information.
3. Right-click the target user on the right frame of the [Active Directory Users and Computers] window and select [Reset Password].

[The following applies to DMP6-2 and later products only.]

- Confirm users that are allowed to use Share Windows. (MacOS X v10.4)

This is how to confirm users.

1. From [Dock], start the [System Environment Settings] icon.
2. On the [System Environment Settings] window, click the [Share] icon.
3. From the Select Service window, select 'Share Windows' and click the [Account] button.

018-506 CA FieldID Mismatch

[Error Type]

job

[Fault Content]

CA Authentication FieldID error

[Detection Conditions]

In communication between the device and the CA server, a mismatch in FieldID between both has occurred. (Communication error, internal error of the device, or wrong code)

[Corrective Actions]

Make the IOT and the Controller the same in agreement info.

An error in the authentication operation between the CA server and the device has occurred. Retry the authentication operation.

If the problem persists, collect the pfshowinfo9 log and network log following 2.5.1 LOG immediately after the occurrence of the problem, and contact the support division for directions.

2.5.1 LOG

018-507 CA Credential Error

[Error Type]

job

[Fault Content]

CA Authentication User Authentication error

[Detection Conditions]

The CA Authentication Server requested an entry of user info, and the server determined that the entered info was different.

[Corrective Actions]

Make the IOT and the Controller the same in agreement info.

User authentication has failed. Either the entered user name or password is incorrect. Check for the correct user name and password and enter them.

018-508 CA Server Fatal Error**[Error Type]**

job

[Fault Content]

CA Authentication Server fatal error

[Detection Conditions]

In process of CA authentication, the device has received a ServerException message from the CA Authentication Server.

[Corrective Actions]

Make the IOT and the Controller the same in agreement info.

The device has received a Server Error message from the CA Authentication Server. Check the status of the CA server. Reboot it.

018-509 Template parameter conflict**[Error Type]**

Job

[Fault Content]

CUI Scan: An Invalid Job Template is Specified

[Detection Conditions]

1. During CUI scan, the machine received a Job request that comes specified with a nonexistent template name.
2. There is a Job Template attributes conflict.
3. The address of the server that stores the images is not set in the template.

[Corrective Actions]

Check whether the settings in the job template are correct. For example, check for the following:

- A setting that cannot be used in the device is set.
- The transfer repository is not set correctly.
- A nonexistent template name is specified.

If the problem persists, follow the logging procedures to obtain the info9 or xxx.tgz log and the network log immediately after the problem has occurred and contact the Support Department.

018-510 Host name solution error in BMLinkS**[Error Type]**

job

[Fault Content]

A failure to resolve a DNS host name problem in BMLinkS scan.

[Detection Conditions]

Before connecting to BMLinkS Services, the machine failed to resolve a BMLinkS Services server name problem in trying to access DNS.

[Corrective Actions]

Check the state to see if DNS can obtain the domain name or IP address. For example, check the following:

- Search for the latest information and get it.
- Check that the machine is connected to the DNS server.
- Check that the BMLinkS Storage Service server name or host name is registered on DNS.
- Check that the DNS Server address is set up.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-511 DNS server un-sets up in BMLinkS**[Error Type]**

jobB

[Fault Content]

In MLinkS scan, it was found that the DNS server was not registered.

[Detection Conditions]

Before connecting to BMLinkS Services, the machine detected that the DNS server had not been registered.

[Corrective Actions]

Set the DNS server address. Or using the IP address, set the address of BMLinkS Storage Services, which is a transmission destination.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-512 Service Connect error in BMLinkS**[Error Type]**

job

[Fault Content]

A failure to connect to BMLinkS scan service

[Detection Conditions]

The BMLinkS Server cannot be found.

[Corrective Actions]

Check the state to see if the BMLinkS Services server, which is a destination, and this machine can communicate with each other via the network. For example, check the following:

- Search for the latest information and get it.
- Check that the network cable is connected.
- Check that BMLinkS Services, which is a destination, is active.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-513 BMLinkS Service Not Found

[Error Type]

job

[Fault Content]

BMLinkS scan service cannot be found.

[Detection Conditions]

http status 404 has been detected.

[Corrective Actions]

Use either of the following to resolve the problem.

- Search for the latest information and get it.
- Check that BMLinkS Services, which is a destination, has started storage service for this user.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-514 bmlinks access-right-violation

[Error Type]

job

[Fault Content]

A wrong right to access BMLinkS scan service

[Detection Conditions]

For some reason, the corresponding error code was received from BMLinkS Services.

[Corrective Actions]

Check that the login name (user name) and the password are correct.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-515 bmlinks storage-access-error

[Error Type]

job

[Fault Content]

Error in access to BMLinkS Scan Service Storage

[Detection Conditions]

For some reason, the corresponding error code was received from BMLinkS Services.

[Corrective Actions]

Use either of the following to resolve the problem.

- Check that the specified file name can be created in the storage.
- Check that the specified file name is not used by another user.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-516 bmlinks unsupported-attribute

[Error Type]

job

[Fault Content]

An attribute of data to be saved in BMLinkS scan service is incorrect.

[Detection Conditions]

For some reason, the corresponding error code was received from BMLinkS Services .

[Corrective Actions]

Use one of the following to resolve the problem.

- If any letters used for the file name are found unavailable for BMLinkS storage service, change them.
- Check for the file or folder with the same name as the specified file name.
- Set the way of handling a duplicated file to 'Overwrite and Save'.
- Shorten the name of the storage folder or file.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-517 bmlinks storage-full

[Error Type]

job

[Fault Content]

The storage disk on BMLinkS scan service is full.

[Detection Conditions]

For some reason, the corresponding error code was received from BMLinkS Services.

[Corrective Actions]

Check the storage for space.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-518 bmlinks operation-not-available**[Error Type]**

job

[Fault Content]

a temporary error with BMLinkS scan service

[Detection Conditions]

For some reason, the corresponding error code was received from BMLinkS Services.

[Corrective Actions]

After a while repeat the operation.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-519 bmlinks unknown-error**[Error Type]**

job

[Fault Content]

an error with BMLinkS scan service

[Detection Conditions]

For some reason, the corresponding error code was received from BMLinkS Services.

[Corrective Actions]

Use either of the following to resolve the problem.

- Search for the latest information and get it.
- Check the state to see if the file can be written on the BMLinkS Services server.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-520 Internal error in BMLinkS Scan**[Error Type]**

job

[Fault Content]

After the machine connected to BMLinkS scan service, an internal error occurred or the machine received an unexpected response from the server.

[Detection Conditions]

An internal-processing error

[Corrective Actions]

Repeat the operation.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-521 request send failure in BMLinkS**[Error Type]**

job

[Fault Content]

When the machine was trying to connect to BMLinkS scan service, a network error occurred.

[Detection Conditions]

When a command was being sent to BMLinkS Services, a network error was detected.

[Corrective Actions]

Repeat the operation.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-522 response receive failure in BMLinkS**[Error Type]**

job

[Fault Content]

During a response was being made from BMLinkS scan service, a network error occurred.

[Detection Conditions]

When the machine was receiving a response to its request from BMLinkS Services, a network error was detected.

Or the machine received an unexpected response to its request.

[Corrective Actions]

Repeat the operation.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-523 image send failure in BMLinkS**[Error Type]**

job

[Fault Content]

When the machine was transferring an image to BMLinkS scan service, a network error occurred.

[Detection Conditions]

During transfer of an image to BMLinkS Services, a network error was detected.

[Corrective Actions]

Repeat the operation.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-524 Invalid device network setting

[Error Type]

Job

[Fault Content]

CUI Scan: Device Network Settings Error

[Detection Conditions]

1. When DNS is not set in the device, the server name in the template is written as FQDN.
2. The port for the transfer protocol that is listed in the Job Template is not activated in the device (e.g. SMB, FTP).

[Corrective Actions]

Check whether the port and network related settings that are required to execute the scan job are set properly in the device.

- Check whether the DNS server setting is correct.
- Check whether the port for the specified protocol is activate.

If the problem persists, follow the logging procedures to obtain the info9 or xxx.tgz log and the network log immediately after the problem has occurred and contact the Support Department.

018-525 HDD full or HDD access error

[Error Type]

Job

[Fault Content]

CUI Scan: HDD-related Error during Processing of Job Template

[Detection Conditions]

1. During the CUI scan start process, the internal HDD is full (Job Template partition)
2. During the CUI scan start process, an internal HDD failure was detected.

[Corrective Actions]

Wait for a while, then perform the same operation again. If the problem persists, perform the following:

Check for HDD Full, or replace the HDD where the error had occurred.

If the problem persists, follow the logging procedures to obtain the info9 or xxx.tgz log and the network log immediately after the problem has occurred and contact the Support Department.

018-526 Rejected to be refresh

[Error Type]

Job

[Fault Content]

CUI Scan: Polling Job Template

[Detection Conditions]

A CUI scan start request was received when the Job Template is being polled.

[Corrective Actions]

Wait for a while, then perform the same operation again.

If the problem persists, follow the logging procedures to obtain the info9 or xxx.tgz log and the network log immediately after the problem has occurred and contact the Support Department.

018-527 JT Monitor Internal error

[Error Type]

Job

[Fault Content]

CUI Scan: Internal Error Occurred when Processing Job Template

[Detection Conditions]

Job Template Monitor Internal Error

[Corrective Actions]

Repeat the operation.

If the problem persists, follow the logging procedures to obtain the info9 or xxx.tgz log and the network log immediately after the problem has occurred and contact the Support Department.

018-528 Soap request error

[Error Type]

Job

[Fault Content]

CUI Scan: Soap Argument Error

[Detection Conditions]

An invalid argument request was received from the SOAP client of custom service.

[Corrective Actions]

Check whether the custom service settings are correct.

If the problem persists, follow the logging procedures to obtain the info9 or xxx.tgz log and the network log immediately after the problem has occurred and contact the Support Department. Also obtain the packets log between the custom service and the device.

018-529 Duplicate scan request

[Error Type]

Job

[Fault Content]

CUI Scan: Duplication of Soap Job Startup Request

[Detection Conditions]

During the CUI scan start process that was received from the SOAP client of custom service, another CUI scan start request was received.

[Corrective Actions]

Wait for a while, then perform the same operation again.

If the problem persists, follow the logging procedures to obtain the info9 or xxx.tgz log and the network log immediately after the problem has occurred and contact the Support Department.

018-530 Authentication error**[Error Type]**

Job

[Fault Content]

Authentication/DV-related error during start-up of a CUI scan job.

[Detection Conditions]

1. DV No. of Sheets Limitation, DV Color Mode Limitation, DV Service Use Limitation
2. Use of an unregistered card
3. Job error when connecting to an external device or when obtaining authentication information

[Corrective Actions]

Either perform the correct authentication operation or check the limitations (color mode, no. of sheets, services) that was set by the administrator. If the problem persists, follow the logging procedures to obtain the info9 or xxx.tgz log and the network log immediately after the problem has occurred and contact the Support Department.

018-531 Failed to create a new job**[Error Type]**

Job

[Fault Content]

Other errors during start-up of a CUI scan job.

[Detection Conditions]

Other JRM detection errors during start-up of a CUI scan job.

[Corrective Actions]

Repeat the operation.

If the problem persists, follow the logging procedures to obtain the info9 or xxx.tgz log and the network log immediately after the problem has occurred and contact the Support Department.

018-532 Too many jobs to create a new**[Error Type]**

Job

[Fault Content]

Failed to Create CUI Scan Job

[Detection Conditions]

1. Excessive overlapping of network transferred Jobs (maximum is 3 simultaneous jobs)
2. There is insufficient internal source to create Jobs (system limit)

[Corrective Actions]

Wait for a while, then perform the same operation again.

If the problem persists, follow the logging procedures to obtain the info9 or xxx.tgz log and the network log immediately after the problem has occurred and contact the Support Department.

018-543 Shared name error in SMB server**[Error Type]**

Job Fail

[Fault Content]

Problem with the shared name of the SMB scan server

[Detection Conditions]

When the machine logged in to the SMB server in Scan to SMB, the shared name on the SMB server was found having the following problems:

1. The shared name specified did not exist on the server.
2. Prohibited letters were found used for the shared name specified.

[DMP6-2 and later products only]

1. The user had no right to access the shared name specified. (MacOS X v10.2)

[Corrective Actions]

- Check the shared name specified and set the correct name.
[DMP6-2 and later products only]
- Check that the user has the right to access the shared name specified. (MacOS X v10.2)

This is how to check it:

1. Log in as the specified user.
2. From [Dock], start the [Finder] icon.
3. On the [Finder] window click the [Home] icon.
4. From the [File] menu, select [View info].
5. Select [Proprietary Right and Access Right] and check that 'Read/Write' is selected in the [Access] box for the owner.

If the problem persists, see the following to collect a info9 or xxx.tgz log and a network log and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-547 The number restriction over of SMB scan users

[Error Type]

Job Fail

[Fault Content]

The number of SMB Scan users has exceeded the limit

[Detection Conditions]

When logging in to the SMB server, it was detected that the number SMB Scan users has exceeded the limit.

[Corrective Actions]

1. Check the limit for the number of users that can connect to the shared folder.
2. Check whether the number of users who are concurrently using the server has exceeded the maximum number.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

018-556 HTTP server script error**[Error Type]**

Job Fail

[Fault Content]

HTTP Error - Invalid Script

[Detection Conditions]

Due to some reason, the abnormal detection code 'XRXERROR' was received from the HTTP server.

[Corrective Actions]

Perform the following.

1. Check that the drive and directory that are specified in the HTTP server that sends scanned documents are accessible.
2. Repeat the operation.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-557 HTTP Invalid char in filename**[Error Type]**

Job Fail

[Fault Content]

HTTP File - Invalid Characters

[Detection Conditions]

A file name that contains invalid characters was specified.

[Corrective Actions]

Make sure that the file name that is specified in the scanned document destination does not contain any invalid characters.

If the problem still persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-558 HTTP file not found**[Error Type]**

Job Fail

[Fault Content]

The HTTP directory/file name does not exist.

[Detection Conditions]

Due to some reason, this code was received from the HTTP server.

[Corrective Actions]

Perform the following.

1. Check that the directory that is specified in the scanned document destination HTTP server exists.
2. Check that the file name that is specified in the scanned document destination HTTP server exists.

If the problem still persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-559 HTTP File duplication fail**[Error Type]**

Job Fail

[Fault Content]

File Name Conflict Stop

[Detection Conditions]

'Prohibit Overwrite' is selected for scan 'File Name Conflict'

[Corrective Actions]

When performing scan Jobs, set 'File Name Conflict' to other than 'Cancel Job'.

If the problem still persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-560 HTTP server login fail**[Error Type]**

Job Fail

[Fault Content]

HTTP User Authentication Error

[Detection Conditions]

HTTP Status 401 was received.

[Corrective Actions]

Perform the following.

1. Check whether the scanned document destination HTTP server is accessible from the PC.
2. Check the login user name.
3. Check the login password.
4. Check the name of scanned document destination HTTP server.
5. Check the server path name of scanned document destination HTTP server.

If the problem still persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-561 HTTP server not found**[Error Type]**

Job Fail

[Fault Content]

HTTP Error - Not Found

[Detection Conditions]

HTTP Status 404 was received.

- The host name is incorrect.
- The script storage is incorrect.

[Corrective Actions]

Perform the following.

1. Check whether the scanned document destination HTTP server is accessible from the PC.
2. Check the name of scanned document destination HTTP server.
3. Check the server path name of scanned document destination HTTP server.

If the problem persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

018-562 HTTP client error**[Error Type]**

Job Fail

[Fault Content]

HTTP Response Client Error

[Detection Conditions]

HTTP Status 4xx (other than 401 and 404) was received.

[Corrective Actions]

Perform the following.

1. Check whether the scanned document destination HTTP server is accessible from the PC.
2. Check the server settings.

If the problem still persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-563 HTTP server error**[Error Type]**

Job Fail

[Fault Content]

HTTP Response Server Error

[Detection Conditions]

HTTP Status 5xx was received.

[Corrective Actions]

Perform the following.

1. Check whether the scanned document destination HTTP server is accessible from the PC.
2. Check the server settings.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-564 Host name solution error in HTTP**[Error Type]**

Job Fail

[Fault Content]

Failed to Resolve Host Name in HTTP

[Detection Conditions]

DNS resolution of the specified host name has failed.

[Corrective Actions]

Perform the following.

- Check whether the scanned document destination HTTP server has been registered in the DNS.
- Check whether it is connected to the DNS server.
- Check whether the DNS server address is set.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-565 Proxy name solution error in HTTP

[Error Type]

Job Fail

[Fault Content]

Failed to Resolve Proxy Name Error in HTTP

[Detection Conditions]

DNS resolution of the proxy server name that is set in the device has failed.

[Corrective Actions]

Perform the following.

- Check whether the proxy server name that is set in the device has been registered in the DNS.
- Check whether it is connected to the DNS server.
- Check whether the DNS server address is set.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-566 Server Connect error in HTTP**[Error Type]**

Job Fail

[Fault Content]

HTTP Error - Connection Error

[Detection Conditions]

Failed to connect to the HTTP server.

[Corrective Actions]

Perform the following.

1. Check the network cable of the device.
2. Check whether the scanned document destination HTTP server is accessible from the PC.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-567 HTTP server access fail**[Error Type]**

Job Fail

[Fault Content]

HTTP Error - Access Error

[Detection Conditions]

- Due to some reason, the communication was cut when reading.
- Due to some reason, the communication was cut when writing.
- Due to some reason, the file close process has failed.

[Corrective Actions]

Check whether the scanned document destination HTTP server is accessible from the PC.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-568 HTTP server SSL access fail**[Error Type]**

Job Fail

[Fault Content]

HTTP Error - Abnormal SSL Connection

[Detection Conditions]

An error has occurred during SSL/TLS connection

[Corrective Actions]

Perform the following.

1. Check whether the scanned document destination HTTP server is accessible from the PC.
2. Check whether the SSL setting of the scanned document destination HTTP server is valid.
3. Check the name of scanned document destination HTTP server.
4. Check the server path name of scanned document destination HTTP server.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-569 HTTP server certificate fail**[Error Type]**

Job Fail

[Fault Content]

HTTP Error - Invalid Certificate

[Detection Conditions]

There is a problem with SSL certificate of the server.

[Corrective Actions]

Perform the following.

1. Check whether the scanned document destination HTTP server is accessible from the PC.
2. Check whether the SSL server certificate of the scanned document destination HTTP server is registered in the device.
3. Check whether the SSL server certificate of the scanned document destination HTTP server is valid.

For example, check the following:

- The certificate has not expired yet.
- The time that is set in the device is correct.
- It is not in the discard list.

- The certificate path of the SSL server certificate and import any necessary CA certificate.
 - 4. If the certificate is not registered in the scanned document destination HTTP server, disable the device certificate validation.
- If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.
- 2.5.1 Log collection/extraction tool function explanation

018-570 HTTP certificate fail

[Error Type]

Job Fail

[Fault Content]

HTTP Error - Invalid Client Certificate

[Detection Conditions]

A client certificate authentication error has occurred in the HTML server.

[Corrective Actions]

Perform the following.

1. Check whether the scanned document destination HTTP server is accessible from the PC.
2. Check whether the SSL client certificate is set correctly in the device.
3. Check whether a valid device certificate is registered in the scanned document destination HTTP server.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-571 Internal error in Scan

[Error Type]

Job Fail

[Fault Content]

Scan Network Sending Software Internal Error

[Detection Conditions]

An internal error has occurred.

[Corrective Actions]

Repeat the operation.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-572 Invalid char in context

[Error Type]

Job Fail

[Fault Content]

Invalid Netware Context Characters

[Detection Conditions]

A context name that contains invalid characters was specified.

[Corrective Actions]

Check whether the specified context name is correct.

If the problem still persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-573 Invalid char in server

[Error Type]

Job Fail

[Fault Content]

Netware Error/Invalid Tree Characters

[Detection Conditions]

A connection name that contains invalid characters was specified.

[Corrective Actions]

Check whether the specified connection name is correct.

If the problem still persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-574 Invalid char in volume

[Error Type]

Job Fail

[Fault Content]

Invalid Netware Volume Characters

[Detection Conditions]

A volume name that contains invalid characters was specified.

[Corrective Actions]

Check whether the specified volume name is correct.

If the problem still persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-575 Invalid char in login

[Error Type]

Job Fail

[Fault Content]

Invalid Netware Login

[Detection Conditions]

A user name or password that contains invalid characters was specified.

[Corrective Actions]

Check whether the specified user name/password is correct.

If the problem persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

018-576 Invalid char in path**[Error Type]**

Job Fail

[Fault Content]

Invalid Netware Path Characters

[Detection Conditions]

A path name that contains invalid characters was specified

[Corrective Actions]

Check whether the specified path name is correct.

If the problem still persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-577 Invalid char in file**[Error Type]**

Job Fail

[Fault Content]

Invalid Netware File Name Characters

[Detection Conditions]

A file name that contains invalid characters was specified.

[Corrective Actions]

Check whether the specified file name is correct.

If the problem still persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-578 Nw server not found**[Error Type]**

Job Fail

[Fault Content]

Netware Error - Connection Error

[Detection Conditions]

A nonexistent server/tree was specified.

[Corrective Actions]

Perform the following.

1. Check the network cable of the device.
2. Check whether the NetWare server is accessible from the PC.
3. Check the server name/tree name.
4. Execute DSREPAIR from the Server Console of the NetWare server.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-579 Nw server disk full**[Error Type]**

Job Fail

[Fault Content]

Netware Error - Hard Disk Full

[Detection Conditions]

There is insufficient free space in the Netware server.

[Corrective Actions]

Perform the following.

1. Check whether the NetWare server is accessible from the PC.
2. Check the capacity of the data storage server.
3. Execute DSREPAIR from the Server Console of the NetWare server.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-580 Netware invalid volume**[Error Type]**

Job Fail

[Fault Content]

Netware Error - Volume Does Not Exist.

[Detection Conditions]

A nonexistent volume name was specified.

[Corrective Actions]

Perform the following.

1. Check whether the NetWare server is accessible from the PC.

2. Check the volume name.
3. Execute DSREPAIR from the Server Console of the NetWare server.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-581 Netware invalid path

[Error Type]

Job Fail

[Fault Content]

Netware Error - Path Does Not Exist.

[Detection Conditions]

A nonexistent directory path was specified.

[Corrective Actions]

Perform the following.

1. Check whether the NetWare server is accessible from the PC.
2. Check the directory path name.
3. Execute DSREPAIR from the Server Console of the NetWare server.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-582 Access right fail

[Error Type]

Job Fail

[Fault Content]

Netware Resources Access Rights Verification

[Detection Conditions]

- The User who is already logged in does not have the right to open the file.
- The User who is already logged in does not have the right to create the file.
- The User who is already logged in does not have the right to access the directory.
- The User who is already logged in does not have the right to read the file.
- The User who is already logged in does not have the right to write to the file.
- The User who is already logged in does not have the right to delete the directory/file.
- Although all the specified directories/files are read-only, a deletion request was issued.
- Although some of the specified directories/files are read-only, a deletion request was issued.

[Corrective Actions]

Perform the following.

1. Check whether the NetWare server is accessible from the PC.
2. Check the rights of the User.

Example:

- Check if the user has the right to open the file.
- Check if the user has the right to create the file.
- Check if the user has the right to access the directory.
- Check if the user has the right to read the file.
- Check if the user has the right to write to the file.
- Check if the user has the right to delete the file/directory.

3. Execute DSREPAIR from the Server Console of the NetWare server.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-583 Nw server disk error

[Error Type]

Job Fail

[Fault Content]

Netware Error - Disk Access Error

[Detection Conditions]

A failure has occurred in the Netware server disk.

[Corrective Actions]

Perform the following.

1. Check the HDD of the Netware server.
2. Check whether the NetWare server is accessible from the PC.
3. Execute DSREPAIR from the Server Console of the NetWare server.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-584 Nw server access fail

[Error Type]

Job Fail

[Fault Content]

Netware Error - Access Error

[Detection Conditions]

- Due to some reason, the communication was cut when reading.
- Due to some reason, the communication was cut when writing.
- Due to some reason, the file close process has failed.

[Corrective Actions]

Perform the following.

1. Check whether the NetWare server is accessible from the PC.
2. Execute DSREPAIR from the Server Console of the NetWare server.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-585 Netware error in use

[Error Type]

Job Fail

[Fault Content]

Netware Currently In Use by Other Users

[Detection Conditions]

- Write is locked because netware is being referenced by another user, etc.
- Although some of the specified directories/files are being used by other users, a deletion request was issued.
- Although all the specified directories/files are being used by other users, a deletion request was issued.

[Corrective Actions]

Perform the following.

1. Check whether the NetWare server is accessible from the PC.
2. Check the current usage status of other users.
3. Execute DSREPAIR from the Server Console of the NetWare server.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-586 Netware login fail

[Error Type]

Job Fail

[Fault Content]

Netware Server Login Error

[Detection Conditions]

The Netware server has refused the login.

[Corrective Actions]

Perform the following.

1. Check whether the NetWare server is accessible from the PC.
2. Check the login user name.
3. Check the login password.
4. Check the volume name.
5. Check the server name/tree name.
6. Check the context name.
7. Execute DSREPAIR from the Server Console of the NetWare server.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-587 File duplication fail

[Error Type]

Job Fail

[Fault Content]

File Name Conflict Stop

[Detection Conditions]

'Prohibit Overwrite' is selected for scan 'File Name Conflict'

[Corrective Actions]

Set 'File Name Conflict' to other than 'Cancel Job'.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-588 Scan filing policy invalid

[Error Type]

Job Fail

[Fault Content]

Invalid Filing Policy

[Detection Conditions]

Invalid filing policy (when additional items are selected) was detected after connecting with the server.

[Corrective Actions]

When 'Add' is selected for 'File Name Conflict', check that the file format is not set to Multi-page.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-589 NEXTNAME.DAT error

[Error Type]

Job Fail

[Fault Content]

NEXTNAMEDAT File Access Error

[Detection Conditions]

Failed to access the NEXTNAME.DAT file.

[Corrective Actions]

When 'Add' is selected for 'File Name Conflict', check that the NEXTNAME.DAT file is correct.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-590 Same name exists

[Error Type]

Job Fail

[Fault Content]

Process stopped because a file with the same name already exists

[Detection Conditions]

A File/folder with the same name was detected in the server.

[Corrective Actions]

Perform the following.

1. Perform the same operation again without multiple machines accessing the same folder in the same server.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-591 File name suffix limit over

[Error Type]

Job Fail

[Fault Content]

The Scan File Name has exceeded the Suffix Limit Value

[Detection Conditions]

When determining the file/folder name in the server after connecting to the server, the suffix of the file name/folder name has exceeded the limit.

[Corrective Actions]

Change the file name/destination folder on the scan server. Else, move or delete the files in the destination folder.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-592 lock folder create fail

[Error Type]

Job Fail

[Fault Content]

Scan Lock Folder Creation Failed

[Detection Conditions]

Failed to create the scan lock folder.

[Corrective Actions]

Take any one of the following actions:

1. If a lock directory (*.LCK) remained in the transfer destination, delete it manually and retry the job.
2. Check whether there is a folder that has the same name as the specified name.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-593 lock folder delete fail

[Error Type]

Job Fail

[Fault Content]

Scan Lock Folder Deletion Failed

[Detection Conditions]

Failed to delete the scan lock folder.

[Corrective Actions]

If a lock directory (*.LCK) remained in the transfer destination, delete it manually and retry the job.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

018-595 Detected user duplication, in LDAP

[Error Type]

Job Fail

[Fault Content]

Duplicate IDs were detected at ICCG external authentication (LDAP protocol)

[Detection Conditions]

Two or more entries that have the same information as the currently used IC card were found in the database of the LDAP server.

[Corrective Actions]

Make corrections so that the user entries in the database of the LDAP server do not have the same IC card information.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

018-596 LDAP protocol error 596

[Error Type]

job

[Fault Content]

An undefined protocol error, and other errors with LDAP Protocol

[Detection Conditions]

1. An error except 018-595 occurred with the certified LDAP protocol (ProtocolCategory=7).
2. The protocol category with which to fill in Coml_Fault_GetNETCeCode() is an unexpected one.
*FTP/HTTP was specified, or a category that is larger than LDAP_NETAUTH(=7) was specified.
(DMP6-2)

[Corrective Actions]

Repeat the operation.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

018-700 Network Stack is not Initialized Fail**[Fault Name]**

Network Stack is not Initialized Fail

[Error Type]

Job Fail

[Fault Content]

Network Stack is not Initialized Fail.

[Detection Conditions]

The Remote Authentication Library has detected that the Network Stack not initialized error of the device during remote access.

[Corrective Actions]

The Network Stack is being initialized. Wait a while then try again.

018-701 LDAP protocol error 01**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 01 at Address Book operation (operation error)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '1' (operation error) in response to the Address Book inquiry.

[Corrective Actions]

Check that the 'LDAP Server/Directory Service Settings' of the 'External Authentication Server/Directory Service Settings' of the machine is set correctly.

Or, a problem has occurred at the Server side. Please check with the Network Administrator.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-702 LDAP protocol error 02**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 02 at Address Book operation (protocol error)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '2' (protocol error) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator, correct the Server settings and operate again.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-703 LDAP protocol error 03**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 03 at Address Book operation
(search timeout)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '3' (search time is timed out) in response to the Address Book inquiry.

[Corrective Actions]

Correct the search conditions/search start position with regard to the Address Book internal data, focus the search target and search again.

If the problem reoccurs even after that, consult with the Network Administrator.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-704 LDAP protocol error 04**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 04 at Address Book operation (too many search results to be processed)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '4' (too many search results to be processed) in response to the Address Book inquiry.

[Corrective Actions]

Correct the search conditions/search start position with regard to the Address Book internal data, focus the search target and search again.

If the problem reoccurs even after that, consult with the Network Administrator.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-705 LDAP protocol error 05**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 05 at Address Book operation (comparison request result is false)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '5' (comparison request result is false) in response to the Address Book inquiry.

[Corrective Actions]

It is possible to output a result that is different from the specified content. Consult with the Network Administrator to check the status of the LDAP Server.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-706 LDAP protocol error 06**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 06 at Address Book operation (comparison request result is true)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '6' (comparison request result is true) in response to the Address Book inquiry.

[Corrective Actions]

This is not an error message as it just means that 'the output result is as specified'.

Turn the power OFF then ON.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-707 LDAP protocol error 07**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 07 at Address Book operation (the specified authentication method is not supported)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '7' (the specified authentication method is not supported) in response to the Address Book inquiry.

[Corrective Actions]

The specified authentication method is not supported. Change the authentication method.

Consult with the Network Administrator to correct the authentication settings.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-708 LDAP protocol error 08**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 08 at Address Book operation (strong authentication is required)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '8' (strong authentication is required) in response to the Address Book inquiry.

[Corrective Actions]

Check that there are no mistakes in the authentication settings. Consult with the Network Administrator to strengthen the authentication settings and operate again.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-709 Active Communication is Unavailable Now Fail**[Fault Name]**

Active Communication is Unavailable Now Fail

[Error Type]

Job Fail

[Fault Content]

Active Communication is Unavailable Now Fail.

[Detection Conditions]

The Remote Authentication Library has detected that the device is in active communication state during remote access.

[Corrective Actions]

A. In case of IPv4 environment

1. Check whether the address that is being used as the IPv4 address of the device is undefined, or whether it has become the Auto IP address.
2. Check if the network has been connected properly.

3. Check with the Network Administrator on whether the DHCP Server address had been exhausted.
4. Obtain the PfShowInfo 9 log.
 - A. In case of IPv6 environment
 1. Check whether the address that is being used as the IPv6 address of the device has been allocated with a global address that uses the network address distributed by the IPv6 router.
 2. Check if the network has been connected properly.
 3. Check with the Network Administrator on whether the IPv6 router has been configured correctly.
 4. Obtain the PfShowInfo 9 log.

018-710 LDAP protocol error 10

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 10 at Address Book operation (not registered in search range)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '10' (referral (intro, ref)) in response to the Address Book inquiry.

[Corrective Actions]

Nothing is registered in the specified search range. Consult with the Network Administrator to check the status of the authentication settings.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-711 LDAP protocol error 11

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 11 at Address Book operation (admin limit is exceeded)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '11' (admin limit is exceeded) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status of the Server operation.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-712 LDAP protocol error 12

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 12 at Address Book operation (extended function cannot be used)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '12' (extended function cannot be used) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status of the Server operation.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-713 LDAP protocol error 13

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 13 at Address Book operation (secrecy is required)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '13' (secrecy is required) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status of the Server operation.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-714 LDAP protocol error 14

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 14 at Address Book operation (SASL bind in progress)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '14' (SASL bind in progress) in response to the Address Book inquiry.

[Corrective Actions]

Please wait for a while and operate again. If the situation did not improve, consult with the Network Administrator.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-715 Kerberos Attestation protocol error 73

[Fault Name]

Kerberos Attestation protocol error 73

[Error Type]

Job

[Fault Content]

Kerberos Authentication Protocol Error (73)

[Detection Conditions]

If the Kerberos authentication server and the authentication method supported by the device do not match, error during Kerberos authentication will be detected.

[Corrective Actions]

If the error occurred in the case of smart card authentication, algorithm not supported by the device is specified by KDC.

In the case of password authentication, KDC does not support any of the device's algorithms.

Review KDC settings. Also, in the case of devices supporting FIPS, if FIPS mode is disabled, it may fix the problem.

If problem persists, immediately after problem appears, obtain the [PfShowInfo 8 Log] and [Network Packet], and contact the Support Department.

2.5.1 Explanation of Log Collection/Retrieval Tool Feature

018-716 LDAP protocol error 16**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 16 at Address Book operation (the requested attribute does not exist)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '16' (the requested attribute does not exist) in response to the Address Book inquiry.

[Corrective Actions]

An attribute problem as occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-717 LDAP protocol error 17**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 17 at Address Book operation (the specified attribute is not defined)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '17' (the specified attribute is not defined) in response to the Address Book inquiry.

[Corrective Actions]

An attribute problem as occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-718 LDAP protocol error18**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 18 at Address Book operation (unsuitable combination)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '18' (unsuitable combination) in response to the Address Book inquiry.

[Corrective Actions]

An attribute problem as occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-719 LDAP protocol error 19**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 19 at Address Book operation (limit violation)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '19' (limit violation) in response to the Address Book inquiry.

[Corrective Actions]

An attribute problem as occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-720 LDAP protocol error 20**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 20 at Address Book operation (the specified attribute already exists)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '20' (the specified attribute already exists) in response to the Address Book inquiry.

[Corrective Actions]

An attribute problem as occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-721 LDAP protocol error 21

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 21 at Address Book operation (syntax error of the specified attribute value)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '21' (syntax error of the specified attribute value) in response to the Address Book inquiry.

[Corrective Actions]

An attribute problem as occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-722 GCP Network Fail

[Fault Name]

GCP Network Fail

[Error Type]

Job

[Fault Content]

GCP Network Connection Error

[Detection Conditions]

Network-related error has occurred during HTTP communication with Google server.

[Corrective Actions]

Confirm the network connection status, network settings status with the system administrator.

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

018-723 GCP Certification Fail

[Fault Name]

GCP Certification Fail

[Error Type]

Job

[Fault Content]

GCP Certificate Connection Error

[Detection Conditions]

Connection error of certificate has occurred during HTTP communication with Google server.

[Corrective Actions]

Confirm with the network administrator the correct root CA certificate is present, certificate authentication settings are correct .

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

018-724 GCP SSL Connection Fail

[Fault Name]

GCP SSL Connection Fail

[Error Type]

Job

[Fault Content]

GCP SSL Connection Error

[Detection Conditions]

Connection error of SSL has occurred during HTTP communication with Google server.

[Corrective Actions]

Confirm with the network administrator the network (SSL Communication) connection status, SSL settings status.

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

018-725 Kerberos Attestation protocol error 22

[Error Type]

job

[Fault Content]

Kerberos Authentication Protocol error (22)

[Detection Conditions]

The user Kerberos password has expired.

[Corrective Actions]

As the user Kerbeors password set on the Kerbeors server has expired, it is necessary to ask the server administrator to extend the expiration date of it.

018-726 Kerberos Attestation protocol error 70**[Error Type]**

job

[Fault Content]

Kerberos Authentication Protocol error (70)

[Detection Conditions]

A higher CA certificate in the user SmartCard is not registered with the device.

[Corrective Actions]

Check if a higher CA certificate in the user SmartCard is registered with the device. If not, register it with the device.

The status is that in Kerberos authentication (PKINIT), the device cannot send the certificate path for user certificate to the Kerbeors Server (KDC).

018-727 Kerberos Attestation protocol error 71**[Error Type]**

job

[Fault Content]

Kerberos Authentication Protocol error (71)

[Detection Conditions]

The certificate in the user SmartCard is incorrect (rejected by the Kerbeors Server).

[Corrective Actions]

Check if the certificate in the user SmartCard is valid. If it has become invalid or expired, renew it, or if the Kerberos server prohibits the use of the certificate, it is necessary to ask the server administrator to make the server permit it.

018-728 Kerberos Attestation protocol error 72**[Error Type]**

job

[Fault Content]

Kerberos Authentication Protocol error (72)

[Detection Conditions]

The Kerbeors Server KDC certificate is incorrect. (The root CA certificate is not registered with the device; the KDC certificate has expired; or the KDC certificate address is different from that written on the certificate.)

[Corrective Actions]

1. Check if the root CA certificate of KDC Certificate is registered with the device. If not, register the root CA certificate.
2. If the KDC certificate has expired, renew the Kerbeors Server KDC certificate .
3. Check that the Kerberos Server address set on the device is the same as that written on the Kerbeors Server KDC certificate. If they are different, change the Kerbeors Server address set on the device, or check the Kerbeors Server KDC certificate. In this case, there is a possibility of a wrong setting or Kerbeors Server impersonation.

018-729 GCP Network Timeout Fail**[Fault Name]**

GCP Network Timeout Fail

[Error Type]

Job

[Fault Content]

GCP Connection Timeout Error

[Detection Conditions]

Timeout error has occurred during HTTP communication with Google server.

[Corrective Actions]

Check the network connection status, settings status.The network might be congested.

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

018-730 GCP Network Other Fail**[Fault Name]**

GCP Network Other Fail

[Error Type]

Job

[Fault Content]

GCP Other Network Error

[Detection Conditions]

Other network-related internal error has occurred during HTTP communication with Google server.

[Corrective Actions]

Check the network connection status, settings status.If the problem occurs again, contact the Call Center.

If the problem still persists, perform the following.

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

018-731 GCP HDD Limit Fail

[Fault Name]

GCP HDD Limit Fail

[Error Type]

Job

[Fault Content]

GCP HDD Control Print Error

[Detection Conditions]

Job is aborted because there is not enough capacity in the HDD.

[Corrective Actions]

Check the HDD available capacity, and free up space. Print again after executing all print jobs which are being spooled.

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

018-732 LDAP protocol error 32

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 32 at Address Book operation (applicable object does not exist)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '32' (applicable object does not exist) in response to the Address Book inquiry.

[Corrective Actions]

'32' the applicable e-mail address does not exist.

Either re-input the correct e-mail address or check the e-mail addresses that are registered in the Server.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-733 LDAP protocol error 33

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 33 at Address Book operation (wrong alias)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '33' (wrong alias) in response to the Address Book inquiry.

[Corrective Actions]

A name related problem has occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-734 LDAP protocol error 34

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 34 at Address Book operation (wrong DN form, wrong password)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '34' (wrong DN form) in response to the Address Book inquiry.

[Corrective Actions]

A name related problem has occurred.

Check the User Name and the Password again and release the incorrect Password Name.

If it did not improve, consult with the Network Administrator to check the authentication settings at the Server side. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-735 LDAP protocol error 35

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 35 at Address Book operation (object is terminated)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '35' (object is terminated) in response to the Address Book inquiry.

[Corrective Actions]

A name related problem has occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-736 LDAP protocol error 36

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 36 at Address Book operation (cannot refer to alias)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '36' (cannot refer to alias) in response to the Address Book inquiry.

[Corrective Actions]

A name related problem has occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-737 GCP Other Fail**[Fault Name]**

GCP Other Fail

[Error Type]

Job

[Fault Content]

GCP Other Errors

[Detection Conditions]

Other internal error has occurred during GCP module processing.

[Corrective Actions]

After checking the settings, try again.If the problem occurs again, contact the Call Center.

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

018-738 GCP XMPP Network Fail**[Fault Name]**

GCP XMPP Network Fail

[Error Type]

Job

[Fault Content]

GCP Network Connection Error (XMPP)

[Detection Conditions]

Network-related error has occurred during communication through XMPP protocol with Google server.

[Corrective Actions]

Confirm the network connection status, network settings status with the system administrator.

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

018-739 GCP XMPP Network Other Fail**[Fault Name]**

GCP XMPP Network Other Fail

[Error Type]

Job

[Fault Content]

GCP Other Network Errors (XMPP)

[Detection Conditions]

Network-related internal error has occurred during communication through XMPP protocol with Google server.

[Corrective Actions]

Check the network connection status, settings status.If the problem occurs again, contact the Call Center.

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

018-740 GCP XMPP Certification Fail**[Fault Name]**

GCP XMPP Certification Fail

[Error Type]

Job

[Fault Content]

GCP Certificate Connection Error (XMPP)

[Detection Conditions]

Connection error of certificate has occurred during communication through XMPP protocol with Google server.

[Corrective Actions]

Confirm with the network administrator the correct root CA certificate is present, certificate authentication settings are correct .

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

018-741 GCP XMPP Other Fail

[Fault Name]

GCP XMPP Other Fail

[Error Type]

Job

[Fault Content]

GCP Other Errors (XMPP)

[Detection Conditions]

Other internal error has occurred during GCP module (XMPP library) processing.

[Corrective Actions]

After checking the settings, try again.If the problem occurs again, contact the Call Center.

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

018-745 GCP XMPP Network Proxy Fail

[Fault Name]

GCP XMPP Network Proxy Fail

[Error Type]

Job

[Fault Content]

GCP network proxy connection error (XMPP)

[Detection Conditions]

A network related (proxy connection) error has occurred when communicating with Google Server via XMPP protocol.

[Corrective Actions]

Check the connection status and the setting status of the network.

If the problem still persists, perform the following:

OF-09 Common Job Fail

018-747 Server not found in SMB

[Fault Name]

Server not found in SMB

[Error Type]

Job

[Fault Content]

Unable to find the SMB Server during SMB Scan

[Detection Conditions]

Unable to find the transfer destination SMB Server (failed to establish the TCP/IP session) during the scanner (Scan to PC) SMB transfer.

[Corrective Actions]

Take any one of the following actions:

-Check the connection of the network cable.

-If the transfer destination address is specified using IP Address, check whether the IP Address is correct.

-If the communication goes over a subnet, check the settings of the DNS Server or WINS Server, and check whether the address resolution for the Server Name can be performed correctly.

-Check the transfer destination server, the router that exists between the multifunction device and the server, and the shared services - anti-virus software, firewall software, etc. (communication via Port No. 137 (UDP), Port No. 138 (UDP)) on the transfer destination server for blocking.

If the problem still persists, perform the following:

Obtain the [PShowInfo 8 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

018-748 LDAP protocol error 48

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 48 at Address Book operation (authentication denied)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '48' (authentication denied) in response to the Address Book inquiry.

[Corrective Actions]

A security related problem has occurred. Consult with the Network Administrator to check the authentication settings at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-749 LDAP protocol error 49

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 49 at Address Book operation (the specified authentication certificate is invalid, login name is invalid)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '49' (the specified authentication certificate is invalid) in response to the Address Book inquiry.

Address search was performed when incorrect User Name and Password was used for authentication.

[Corrective Actions]

A security related problem has occurred.

Check the User Name and the Password used for authentication again and release the incorrect search login name.

If it did not improve, consult with the Network Administrator to check the authentication settings at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-750 LDAP protocol error 50**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 49 at Address Book operation (the specified authentication certificate is invalid, login name is invalid)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '50' (user does not have access privileges) in response to the Address Book inquiry.

[Corrective Actions]

A security related problem has occurred. Consult with the Network Administrator to check the access rights at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-751 LDAP protocol error 51**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 51 at Address Book operation (busy)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '51' (busy) in response to the Address Book inquiry.

[Corrective Actions]

A service related problem has occurred. Please wait for a while and operate again. If the situation did not improve, consult with the Network Administrator.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-752 LDAP protocol error 52**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 52 at Address Book operation (cannot be processed)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '52' (cannot be processed) in response to the Address Book inquiry.

[Corrective Actions]

A service related problem has occurred. Please wait for a while and operate again. If the situation did not improve, consult with the Network Administrator.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-753 LDAP protocol error 53**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 53 at Address Book operation (execution denied)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '53' (execution denied) in response to the Address Book inquiry.

[Corrective Actions]

A service related problem has occurred. Please wait for a while and operate again. If the situation did not improve, consult with the Network Administrator.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-754 LDAP protocol error 54**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 54 at Address Book operation (loop detected)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '54' (loop detected) in response to the Address Book inquiry.

[Corrective Actions]

A service related problem has occurred. Consult with the Network Administrator to check the status of the service operation at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-755 Server connection error in SMB

[Fault Name]

Server connection error in SMB

[Error Type]

Job

[Fault Content]

Error when connecting to the SMB Server during SMB Scan

[Detection Conditions]

There was no response from the transfer destination SMB Server to the Main Unit during the scanner (Scan to PC) SMB transfer.

[Corrective Actions]

Check the transfer destination server, the router that exists between the multifunction device and the server, and the anti-virus software, firewall software, etc. (communication via Port No. 139 (TCP), Port No. 445 (TCP)) on the transfer destination server for blocking.

If the problem still persists, perform the following:

Obtain the [PfShowInfo 8 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

018-756 Server login response timeout in SMB

[Fault Name]

Server login response timeout in SMB

[Error Type]

Job

[Fault Content]

SMB authentication response timeout during SMB Scan

[Detection Conditions]

Unable to receive a response from the server within the specified time during the scanner (Scan to PC) SMB authentication.

[Corrective Actions]

If the transfer destination server belongs to the Active Directory domain, check for delays in the communication between transfer destination server and Domain Controller by the following method. Check whether it is taking a long time to access the transfer destination server from a PC Client.

If it is taking a long time, consult with the Network Administrator.

If the problem still persists, perform the following:

Obtain the [PfShowInfo 8 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

018-757 Host name solution error in SMB

[Fault Name]

Host name solution error in SMB

[Error Type]

Job

[Fault Content]

Failed to resolve the SMB Server Name during SMB Scan

[Detection Conditions]

The system has failed to resolve the SMB Server Name of the SMB that is specified as the transfer destination during the scanner (Scan to PC).

[Corrective Actions]

Take any one of the following actions:

-If the transfer destination server name that is set in the Main Unit was input using FQDN characters (e.g.: mypc01.fuji0.co.jp), check the Network Settings at the Main Unit for whether the DNS Server Address was set correctly.

-If there is no problem with the connection to the DNS Server, check whether the transfer destination address that is set at the Main Unit is registered in the DNS Server.

If the problem still persists, perform the following:

Obtain the [PfShowInfo 8 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

018-758 Picture preservation place or file name mistake

[Fault Name]

Picture preservation place or file name mistake

[Error Type]

Job

[Fault Content]

SMB Scan image storage location or file name error

[Detection Conditions]

There is a problem with the storage destination or file name of the specified scan image during scanner (Scan to PC) SMB transfer. This could be due to the following reasons:

-There is a problem with either the image storage location or the file name.

-The specified storage location does not exist on the server.

[Corrective Actions]

Take any one of the following actions:

-Check whether the storage location is correct.

-Check whether the specified file name is one that can be created on the SMB Server.

If the problem still persists, perform the following:

Obtain the [PfShowInfo 8 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

018-759 Picture preservation place or file name invalid**[Fault Name]**

Picture preservation place or file name invalid

[Error Type]

Job

[Fault Content]

SMB Scan image storage location or file name restriction error

[Detection Conditions]

There is a problem with the storage destination or file name of the specified scan image during scanner (Scan to PC) SMB transfer. This could be due to the following reasons:

-The specified storage location or file name contains restricted characters.

[Corrective Actions]

Check whether the storage destination or file name of the scan image that is set at the Main Unit contain any of the following restricted characters.

<Restricted Characters for Storage Location>

"/ : | < > ; , * ? (10 characters)

<Restricted Characters for File Name>

"/ : | < > ; , * ? \ (11 characters)

<Restrictions>

1. There is a blank space at the beginning or the end of a text string.
2. There is a period at the beginning or the end of a text string.

If the problem still persists, perform the following:

Obtain the [PfShowInfo 8 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

018-760 DFS Link error in SMB**[Fault Name]**

DFS Link error in SMB

[Error Type]

Job

[Fault Content]

DFS link tracking error during SMB Scan

[Detection Conditions]

The specified storage location gets linked to other shared folder during scanner (Scan to PC) SMB transfer as it is set to Distributed File System (DFS).

[Corrective Actions]

Check for the settings of the distributed file system (DFS) with the system administrator.

The checking method is as follows.

1. On the SMB Server, select [Start] menu -> [All Programs] -> [Admin Tools] -> [Distributed File System].
2. On the left frame of the [Distributed File System] window, select the specified storage location and check the [Target] information in the right frame of the window.
3. Based on the information that was checked, directly specify the SMB Server, shared name, and storage location.

If the problem still persists, perform the following:

Obtain the [PfShowInfo 8 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

018-761 Out of server memory in SMB**[Fault Name]**

Out of server memory in SMB

[Error Type]

Job

[Fault Content]

Insufficient server memory during SMB Scan

[Detection Conditions]

The memory at the storage destination PC was detected to have ran out during scanner (Scan to PC) SMB transfer.

[Corrective Actions]

-Check whether the usage condition at the storage destination PC has caused all the memory to be used.

-If the available free memory is low, terminate the applications that are currently not in use.

If the problem still persists, perform the following:

Obtain the [PfShowInfo 8 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

018-762 Server response timeout in SMB**[Fault Name]**

Server response timeout in SMB

[Error Type]

Job

[Fault Content]

Timeout when receiving response from the SMB Scan Server

[Detection Conditions]

The response from the storage destination PC had taken a long time and caused a timeout to occur during scanner (Scan to PC) SMB transfer.

[Corrective Actions]

1. Check whether an anti-virus software is operating at the storage destination PC.
-If the size of the transfer file is large, the PC response time might be lengthened due to the anti-virus software.
-If it is operating, reduce the number of document sheets to make the size of the transfer file smaller.

If the problem still persists, perform the following:

Obtain the [PfShowInfo 8 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

018-763 char convert error in SMB

[Fault Name]

char convert error in SMB

[Error Type]

Job

[Fault Content]

Character conversion error during SMB Scan

[Detection Conditions]

The character code conversion process in the multifunction device has failed during the scanner (Scan to PC) SMB transfer.

[Corrective Actions]

Check whether the Server Name, Shared Name, Path Name, etc. contains machine-dependent characters such as (special symbol), (number symbol), IV (roman number), and etc.

If it contains any machine-dependent characters, edit it so that the name no longer contain any and operate.

If the problem still persists, perform the following:

Obtain the [PfShowInfo 8 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

018-764 LDAP protocol error 64

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 64 at Address Book operation (naming violation)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '64' (naming violation) in response to the Address Book inquiry.

[Corrective Actions]

An update related problem has occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-765 LDAP protocol error 65

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 65 at Address Book operation (object class specification error)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '65' (object class specification error) in response to the Address Book inquiry.

[Corrective Actions]

An update related problem has occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-766 LDAP protocol error 66

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 66 at Address Book operation (entries other than termination cannot be executed)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '66' (entries other than termination cannot be executed) in response to the Address Book inquiry.

[Corrective Actions]

An update related problem has occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-767 LDAP protocol error 67

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 67 at Address Book operation (cannot be executed at RDN)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '67' (cannot be executed at RDN) in response to the Address Book inquiry.

[Corrective Actions]

An update related problem has occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-768 LDAP protocol error 68**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 68 at Address Book operation (the specified entry already exists)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '68' (the specified entry already exists) in response to the Address Book inquiry.

[Corrective Actions]

An update related problem has occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-769 LDAP protocol error 69**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 69 at Address Book operation (object class cannot be changed)

[Detection Conditions]

LDAP protocol error 69 at Address Book operation (object class cannot be changed)

[Corrective Actions]

An update related problem has occurred. Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-770 LDAP protocol error 70**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 70 at Address Book operation
(search target is too large)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '70' (search result is too large) in response to the Address Book inquiry.

[Corrective Actions]

Correct the search conditions/search start position with regard to the Address Book internal data, focus the search target and search again.

If the problem reoccurs even after that, consult with the Network Administrator.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-771 LDAP protocol error 71**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 71 at Address Book operation (influence on multiple DSA)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '71' (influence on multiple DSA) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-772 Shared name not found in server**[Fault Name]**

Shared name not found in server

[Error Type]

Job

[Fault Content]

The Shared Name does not exist on the SMB Scan Server

[Detection Conditions]

The Shared Name that was set does not exist on the transfer destination server during scanner (Scan to PC) SMB transfer.

[Corrective Actions]

Check whether the Shared Name that is set at the Main Unit exists on the transfer destination PC.

If the problem still persists, perform the following:

Obtain the [PfShowInfo 8 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

018-773 Shared name error in server

[Fault Name]

Shared name error in server

[Error Type]

Job

[Fault Content]

Invalid Shared Name at the SMB Scan Server

[Detection Conditions]

1. The Shared Name that was set at the transfer destination contains restricted characters during scanner (Scan to PC) SMB transfer.
2. The permission was not set for the specified Shared Name during scanner (Scan to PC) SMB transfer with a Macintosh destination.

[Corrective Actions]

Take any one of the following actions:

-Check whether the Shared Name that is set at the Main Unit contain any of the following restricted characters.

"/ : | < > ; , * ? \ [] + =

-Check whether the beginning or the end of the Shared Name that is set at the Main Unit contain any blank space.

-Check whether the Shared Name that is set at the Main Unit is only specified by a period.

If the transfer destination is a Macintosh, the permission setting must be changed for the User of the Shared Folder. For the settings, check with the System Administrator.

The following describes the procedure to change the Shared Folder Settings using Mac OS X 10.6 as the example.

[Supplement]

-It is recommended that a dedicated account is created for transfer use. This can be set on the screen that is displayed on the Apple Menu by selecting [System Preferences] > [Users & Groups].

- 1) On the Apple Menu, select [System Preferences] > [Sharing].
- 2) Check that the [File Sharing] checkbox is checked.
- 3) On [Shared Folders] list, select the target folder.
- 4) On the [Users] list, set the permission that is displayed to the right of the target User Name to [Read & Write].

[Supplement]

-For how to set a Mac OS system other than the Mac OS X 10.6, either check with the System Administrator or refer to you respective country's official Apple homepage.

If the problem still persists, perform the following:

Obtain the [PfShowInfo 8 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

018-780 LDAP protocol error 80

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 80 at Address Book operation (an unknown error has occurred)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '80' (an unknown error has occurred) in response to the Address Book inquiry.

[Corrective Actions]

Check the status of the server.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-781 LDAP protocol error 81

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 81 at Address Book operation
(cannot connect to Server)

[Detection Conditions]

Cannot connect to Server In response to the Address Book inquiry

[Corrective Actions]

1. Check if the network cable is connected.
2. If it is connected, check the start up state of the target request server.
3. Check that the Server Name is correct at 'System Settings' - 'Network Settings' - 'External Authentication Server/Directory Service Settings' - 'LDAP Server/Directory Service Settings', and set it to the correct name.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-782 LDAP protocol error 82

[Error Type]

Job Fail

[Fault Content]

LDAP protocol error 82 at Address Book operation (program error or SASL authentication error)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '82' (program error or SASL authentication error) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.
If the problem persists, perform the following procedure to repair it.
2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-783 LDAP protocol error 83**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 83 at Address Book operation (outgoing message encoding error)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '83' (outgoing message encoding error) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.
If the problem persists, perform the following procedure to repair it.
2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-784 LDAP protocol error 84**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 84 at Address Book operation (incoming message decoding error)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '84' (incoming message decoding error) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.
If the problem persists, perform the following procedure to repair it.
2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-785 LDAP protocol error 85**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 85 at Address Book operation
(search timeout)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '85' (search time is timed out) in response to the Address Book inquiry.

[Corrective Actions]

Correct the search conditions/search start position with regard to the Address Book internal data, focus the search target and search again.
If the problem reoccurs even after that, consult with the Network Administrator.
If the problem persists, perform the following procedure to repair it.
2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-786 LDAP protocol error 86**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 86 at Address Book operation (an unknown authentication method has been specified)

[Detection Conditions]

LDAP protocol error 86 at Address Book operation (an unknown authentication method has been specified)

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.
If the problem persists, perform the following procedure to repair it.
2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-787 LDAP protocol error 87**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 87 at Address Book operation (mistake in definition of search filter)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '87' (mistake in definition of search filter) in response to the Address Book inquiry.

[Corrective Actions]

Check the search condition and consult with the Network Administrator if that did not work.
If the problem persists, perform the following procedure to repair it.
2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-788 LDAP protocol error 88**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 88 at Address Book operation (instruction canceled)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '88' (instruction canceled) in response to the Address Book inquiry.

[Corrective Actions]

Check the status of the server.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-789 LDAP protocol error 89**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 89 at Address Book operation (an incorrect parameter was passed)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '89' (an incorrect parameter was passed) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-790 LDAP protocol error 90**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 90 at Address Book operation (insufficient memory)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '90' (insufficient memory) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-791 LDAP protocol error 91**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 91 at Address Book operation (Server connection prohibited)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '91' (Server connection prohibited) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-792 LDAP protocol error 92**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 92 at Address Book operation (unsupported function)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '92' (unsupported function) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-793 LDAP protocol error 93**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 93 at Address Book operation (result is not returned)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '93' (result is not returned) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-794 LDAP protocol error 94**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 94 at Address Book operation (result no longer exist)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '94' (result no longer exist) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-795 LDAP protocol error 95**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 95 at Address Book operation (result still exist)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '95' (result still exist) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-796 LDAP protocol error 96**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 96 at Address Book operation (client loop detected)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '96' (client loop detected) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

018-797 LDAP protocol error 97**[Error Type]**

Job Fail

[Fault Content]

LDAP protocol error 97 at Address Book operation (maximum hop number for reference is exceeded)

[Detection Conditions]

The Server returned RFC2251 standard resultMessageNo '97' (maximum hop number for reference is exceeded) in response to the Address Book inquiry.

[Corrective Actions]

Consult with the Network Administrator to check the status at the Server side.

If the problem persists, perform the following procedure to repair it.

2.4.2 'Cannot Connect to Network' or 'Printer Cannot be Seen From PC'

021-208 An alert for setting chain-link has been detected.

[Fault Name]

An alert for setting chain-link has been detected.

[Error Type]

System

[Fault Content]

EP-BB Chain-Link Setting Failure Alert

[Detection Conditions]

Processing of change of Chain-Link by the instruction from EP Center has failed.

[Corrective Actions]

Since it is a unique EP Fault, it will not be displayed on screen in user mode.

After checking the Chain-Link settings instruction and results, visit the user, and perform the appropriate action.

021-210 USB IC Card Reader connection error

[Error Type]

Local Fail

[Fault Content]

USB IC Card Reader Connection Status Error

[Detection Conditions]

Detection Condition of Fault: When powering ON the device, the EPA Lib/EP Cont detected that the setting requires a USB IC Card to control jobs and that the USB IC Card is not connected. When the device is in Ready state, the EPA Lib/EP Cont detected that the setting requires a USB IC Card to control jobs and that the USB is disconnected or the USB IC Card Reader is malfunctioning.

[Corrective Actions]

If the USB connector is disconnected: Reconnect the disconnected USB connector and turn the power OFF then ON.

If this fault occurred although the USB IC Card Reader is connected: Connect an undamaged USB IC Card Reader and turn the power OFF then ON.

021-211 USB IC Card Reader broken

[Error Type]

local

[Fault Content]

The USB IC Card Reader is broken.

[Detection Conditions]

When the Reader of a working USB IC Card Reader that is being used malfunctioned, at the time that malfunction is detected.

[Corrective Actions]

Connect the unbroken USB IC Card Reader and turn the power OFF then ON.

021-212 USB IC Card Reader preparing error

[Error Type]

local

[Fault Content]

A failure in starting the USB IC Card Reader

[Detection Conditions]

When the device is turned ON, the accessory connected through USB has not finished starting up within a certain period of time, which is set as SystemData.

- The USB is disconnected.
- The accessory connected through USB has not finished preparing for operation.
- The accessory connected through USB has finished preparing for operation, but the device cannot communicate with the accessory.

[Corrective Actions]

- In case the USB is disconnected:
 - > Reconnect the disconnected USB Cable and then turn the power OFF then ON.
- In case the accessory connected through USB has finished preparing for operation, but the device cannot communicate with the accessory:
 - > This is different from the two cases described earlier:
- The accessory connected through USB is out of order.
- As it is thought that there is a problem such as a mismatch between the USB-connected accessory and the loadable module for accessory control, it is necessary to isolate the phenomenon.

021-213 Controller Price Table Error

[Error Type]

local

[Fault Content]

An error in setting up EPA - Controller Unit-Price Table

[Detection Conditions]

With a new type of subtraction system (M/C Unit-Price Table system) ON (850-027=1), an available unit price (855-xxx) is set to a value out of the range of 1 to 9999999.

[Corrective Actions]

(Only the system administrator can repair this.)

Using CWIS, read out the Unit-Price Table into a file. Set a value between 1 and 9999999 at the location(s) where a value out of the range is set. Using CWIS, write the file containing the corrected Unit Price Table.

- In order not to use the new type of subtraction system (M/C Unit-Price Table system), set the value in NVM(850-027) to 0 (The function OFF).
- To use the new type of subtraction system (M/C Unit-Price Table system), set every available unit price (855-xxx) to a value between 1 and 9999999. Power OFF then ON. (You need to obtain consent from the customer as to the values to set the prices to.)

If the problem persists, perform the following:

Go to OF-01 Common System Fail. Perform step (5) to collect reports and the subsequent steps.

021-214 USB IC Card Reader encryption setting error

[Error Type]

Local

[Fault Content]

Failure in the USB IC Card Reader encryption settings

[Detection Conditions]

- When an USB IC Card Reader error is detected during the setting of the USB IC Card Reader encryption settings.
- When connected to an USB IC Card Reader with incorrect encryption settings (the Mutual Authentication Key not matching the Specified Key), causing encrypted communication to fail.

[Corrective Actions]

- As this may sometimes be corrected by rebooting, try turning the power OFF and ON.
- If the problem persists after turning the power OFF then ON, the encryption settings of the connected USB IC Card Reader is wrong. Connect an USB IC Card Reader that has never been used before, or one that has had its encryption settings initialized as factory default settings to the machine and turn the power OFF then ON.

021-215 Invalid Accessory Kind Setting

[Error Type]

local

[Fault Content]

Invalid Accessory Kind Setting

[Detection Conditions]

The value set in NVM850-007 (Billing/Adding Up Device Type Setting) is different from the type of the connected accessory.

[Corrective Actions]

Change the value in NVM850-007 to the appropriate one for the connected accessory, then power OFF then ON. Or replace the connected accessory with the appropriate one for the setting, then power OFF then ON.

021-360 EP Accessory Fail

[Error Type]

System Fail

[Fault Content]

EP Accessory Fail

[Detection Conditions]

An error occurred in the connection to the EP accessory. The accessory that should be installed is not found.

[Corrective Actions]

Turn the power OFF then ON.

1. Check the connection to the EP accessory, pull out and insert the EPSV Board and replace the cable.
2. Check that the Controller software is the latest version.
3. If the problem persists, replace the EPSV-IF PWB.
4. If the trouble persists, refer to the following procedure to repair it.

OF-01 Common System Fail

021-361 EP Accessory Kind Config Error

[Error Type]

System Fail

[Fault Content]

EP Accessory - Accessory Type Setting Error

[Detection Conditions]

'The system data 850-007 has not been set properly (Detected in FX only. This should not be treated as Fail.)'

[Corrective Actions]

Check that the System Data 850-007 is set correctly and make the setting again.

Turn the power OFF then ON. If the problem persists, perform the following.

1. Check the connection to the EP accessory, pull out and insert the EPSV Board and replace the cable.
Check whether the Controller ROM is the latest version and upgrade it to the latest.
If the Controller ROM is the latest version, there is no need to download it.
2. If the problem persists, replace the EPSV-IF Board.

If the problem persists, perform the following procedure to repair it.

Perform the procedures after obtaining reports in OF-01 Common System Fail.

021-400 Check Request

[Error Type]

info

[Fault Content]

Check Request Information

[Detection Conditions]

Detected Check Request.

[Corrective Actions]

Perform checks.

021-401 USB IC Card Reader connection error info

[Error Type]

info

[Fault Content]

Info that USB IC Card Reader Connection Status is incorrect

[Detection Conditions]

The number of USB IC Card Readers (including other certification devices besides Reader) set up and inserted is larger than the number set on the device.

[Corrective Actions]

Disconnect the USB IC Card Reader that caused this error to occur from the USB connector.

021-500 EPAccessoryJobExclusion**[Error Type]**

Job Fail

[Fault Content]

EP-related Product Job Exclusion

[Detection Conditions]

When the Fax send billing function is enabled, the following cases occurs:

1. There was an attempt to start up a job for accessory billing in the middle of a Fax send Job operation.
2. There was an attempt to start up a Fax send Job in the middle of a Job for accessory billing operation. This Fault is not detected when the Fax send billing function is disabled.

[Corrective Actions]

Wait for the currently running Job to complete, and then restart the job.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-501 Invalid URL has detected.**[Error Type]**

Job Fail

[Fault Content]

Invalid Server URL

[Detection Conditions]

The server URL is grammatically incorrect.

libcURL returned "CURLE_URL_MALFORMAT".

[Corrective Actions]

Turn the power OFF then ON.

If the error is related to the installation operation, check the URL of the EP server again and enter the correct one.

If the error is related to operations other than installation, use the Chain-Link to overwrite the EP (920-003) Server URL with a new value and perform the operation again.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-502 Couldn't resolve proxy name.**[Error Type]**

Job Fail

[Fault Content]

Proxy Server Address Resolution Error

[Detection Conditions]

Failed to resolve the address of the proxy server name.

libcURL returned "CURLE_COULDNT_RESOLVE_PROXY".

[Corrective Actions]

Check the following.

- Check the connection of the LAN cable.
- Check the DNS server address settings.
- Check the default gateway settings.
- Check the subnet mask settings.

For B-Direct configuration, check the following:

- Check the EP proxy server URL settings. (Chain-Link (920-35) or KO settings)

If the problem persists after checking the above settings, there may be a network failure or DNS server failure. Contact the client's Network Administrator.

If the problem persists in a properly functioning network, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-503 Couldn't resolve host name.**[Error Type]**

Job Fail

[Fault Content]

Server Address Resolution Error

[Detection Conditions]

Failed to resolve the address of the server name.

libcURL returned "CURLE_COULDNT_RESOLVE_HOST".

[Corrective Actions]

Check the following.

- Check the connection of the LAN cable.
- Check the DNS server address settings.
- Check the default gateway settings.
- Check the subnet mask settings.
- Check the EP server URL settings. (Chain-Link (920-003))

If the problem persists after checking the above settings, there may be a network failure or DNS server failure. Contact the client's Network Administrator.

If the problem persists in a properly functioning network, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-504 Couldn't connect to host/proxy.

[Error Type]

Job Fail

[Fault Content]

Server Connection Error

[Detection Conditions]

Unable to connect to the server or proxy server

libcURL returned "CURLE_COULDNT_CONNECT". (Including cases where the server is not turned ON)

Or, libcURL returned "CURLE_GOT_NOTHING".

[Corrective Actions]

Check the following.

- Check the connection of the LAN cable.
- Check the default gateway settings.
- Check the subnet mask settings.
- Check the EP server settings. (Chain-Link (920-003~920-006))

For B-Direct configuration, check the following:

- Check the EP proxy server settings. (Chain-Link (920-035~920-039) or KO settings)

If the problem persists after checking the above settings, there may be a network failure or the FQDN of the EPA server may have been changed (If the EPA Server is used). Contact the client's Network Administrator.

If the problem persists in a properly functioning network, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-505 Couldn't establish SSL session.

[Error Type]

Job Fail

[Fault Content]

SSL Session Error

[Detection Conditions]

An error has occurred during SSL/TLS handshake.

libcURL returned "CURLE_SSL_CONNECT_ERROR".

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-506 An invalid peer certificate has received.

[Error Type]

Job Fail

[Fault Content]

Invalid SSL Certificate (Edge Server)

[Detection Conditions]

The SSL certificate of the server is invalid.

libcURL returned "CURLE_SSL_PEER_CERTIFICATE".

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-507 Proxy unauthorized access.

[Error Type]

Job Fail

[Fault Content]

Proxy Authentication Error

[Detection Conditions]

Authentication of the proxy server has failed.

libcURL returned "HTTP Status: 407 Proxy Authorization Required".

[Corrective Actions]

Check the following.

- Check the EP proxy server authentication user.
- Check the EP proxy server authentication password.

If the problem persists after checking the above settings, there may be a network failure or the proxy server settings may have changed/failed. Contact the client's Network Administrator.

If the problem persists in a properly functioning network, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-508 A connection to host/proxy has timed out.

[Error Type]

Job Fail

[Fault Content]

Communication Timeout

[Detection Conditions]

Communication timeout has occurred.

libcURL returned "CURLE_OPERATION_TIMEOUTED".

[Corrective Actions]

Check the following.

- Check the connection of the LAN cable.
- Check the default gateway settings.
- Check the subnet mask settings.
- Check the EP server settings. (Chain-Link (920-003~920-006))

For B-Direct configuration, check the following:

- Check the EP proxy server settings. (Chain-Link (920-035~920-039) or KO settings)

If the problem persists after checking the above settings, there may be a network failure or the FQDN of the EPA server may have been changed (when the EPA Server is used). Contact the client's Network Administrator.

If the problem persists in a properly functioning network, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-509 SOAP Fault: An invalid message detected.

[Error Type]

Job Fail

[Fault Content]

Invalid Communication Message

[Detection Conditions]

The server detected an invalid message.

The server has notified a SOAP Fault indicating that the message from the device is invalid.

Code=Client, Subcode=InvalidMessage

Or, an unexpected SOAP Fault was notified because of a failure in the server.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-510 SOAP Fault: The MC already unregistered.

[Error Type]

Job Fail

[Fault Content]

Recall Status Mismatch (EP System)

[Detection Conditions]

The server detected that it is already in recalled status.

The server has notified a SOAP Fault indicating that the device is already in recalled status on the EP system.

Code=Client, Subcode=InvalidOperation, Subcode3=AlreadyUnregistered

[Corrective Actions]

No action is required if this error corresponds to a recall operation. Finish the servicing.

If the error is related to operations other than recall, check whether the EP contract has expired. If it has already expired, no action is required.

If the problem occurs when the EP contract has not expired yet, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-511 SOAP Fault: The MC already registered (WEP).

[Error Type]

Job Fail

[Fault Content]

Installation Status Mismatch (EP System)

[Detection Conditions]

When performing installation, the server detected that it already has the WEP Installed.

When performing installation, the server has notified a SOAP Fault indicating that the device already has WEP installed on the EP system.

Code=Client, Subcode=InvalidOperation, Subcode3=AlreadyRegistered

[Corrective Actions]

Check with the EP Center for the EP contract status and registration status.

If the problem occurs regardless that the WEP is not registered in the EP Center, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-512 SOAP Fault: The MC already registered (EP-SV).

[Error Type]

Job Fail

[Fault Content]

EP-SV Installation Conflict (EP System)

[Detection Conditions]

When performing installation, the server detected that it already has the EP-SV Installed.

When performing installation, the server has notified a SOAP Fault indicating that the device already has EP-SV installed on the EP system.

Code=Client, Subcode=InvalidOperation, Subcode3=AlreadyRegisteredBySV

[Corrective Actions]

Check with the EP Center for the EP contract status and registration status.

If the problem occurs regardless that the EP-SV is not registered in the EP Center, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-513 SOAP Fault: The MC already registered (EP-DX).**[Error Type]**

Job Fail

[Fault Content]

EP-DX Installation Conflict (EP System)

[Detection Conditions]

When performing installation, the server detected that it already has the EP-DX Installed.

When performing installation, the server has notified a SOAP Fault indicating that the device already has EP-DX installed on the EP System.

Code=Client, Subcode=InvalidOperation, Subcode3=AlreadyRegisteredByDX

[Corrective Actions]

Check with the EP Center for the EP contract status and registration status.

If the problem occurs regardless that the EP-DX is not registered in the EP Center, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-514 SOAP Fault: The MC already registered (EP-TRESS).**[Error Type]**

Job Fail

[Fault Content]

TRESS Installation Conflict (EP System)

[Detection Conditions]

When performing installation, the server detected that it already has the TRESS Installed.

When performing installation, the server has notified a SOAP Fault indicating that the device already has EP-TRESS installed on the EP System.

Code=Client, Subcode=InvalidOperation, Subcode3=AlreadyRegisteredByTRESS

[Corrective Actions]

Check with the EP Center for the EP contract status and registration status.

If the problem occurs regardless that the EP-TRESS is not registered in the EP Center, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-515 SOAP Fault: An invalid product code detected.**[Error Type]**

Job Fail

[Fault Content]

Invalid Product Code

[Detection Conditions]

The server detected an invalid product code.

The server has notified a SOAP Fault indicating that the product code included in the message from the device is invalid.

Code=Client, Subcode=InvalidOperation, Subcode3=InvalidProductCode

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-516 SOAP Fault: An invalid serial number detected.**[Error Type]**

Job Fail

[Fault Content]

Invalid Serial Number

[Detection Conditions]

The server detected an invalid serial number.

The server has notified a SOAP Fault indicating that the serial number included in the message from the device is invalid.

Code=Client, Subcode=InvalidOperation, Subcode3=InvalidSerialNumber

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-517 SOAP Fault: The service not responded.**[Error Type]**

Job Fail

[Fault Content]

Communication Failure (EP Center)

[Detection Conditions]

The server detected communication failure with the EP Center.

The server has notified a SOAP Fault indicating that communication failure has occurred between the Edge Server (EPA-Server for configurations installed with EPA) and its back-end.

Code=Server, Subcode=NextServiceNotRespond

[Corrective Actions]

Check with the EP Center for the system operation status.

If a failure has occurred in the EP Center, retry the operation from the UI after the EP Center has recovered.

If the problem persists although the EP Center has recovered, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-518 SOAP Fault: An internal error occurred on server.

[Error Type]

Job Fail

[Fault Content]

Internal Error (Edge Server)

[Detection Conditions]

An internal error has occurred in the server.

The server has notified a SOAP Fault indicating that an internal error has occurred in the Edge Server.

Code=Server, Subcode=InternalError

[Corrective Actions]

Check with the EP Center for the system operation status.

If a failure has occurred in the EP Center, retry the operation from the UI after the EP Center has recovered.

If the problem persists although the EP Center has recovered, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-519 SOAP Fault: Service is temporarily unavailable.

[Error Type]

Job Fail

[Fault Content]

High Load Status Detected (EP Center)

[Detection Conditions]

The server detected a high load status in the EP Center.

The server has notified a SOAP Fault indicating that EP Center is in high load status.

Code=Server, Subcode=ServiceTemporarilyUnavailable

[Corrective Actions]

Check with the EP Center for the system operation status.

If a failure has occurred in the EP Center, retry the operation from the UI after the EP Center has recovered.

If the problem persists although the EP Center has recovered, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-520 Couldn't connect to CA.

[Error Type]

Job Fail

[Fault Content]

CA Communication Error

[Detection Conditions]

A communication error has occurred when obtaining the EP certificate.

secep returned "SECEP_COM_ERROR".

[Corrective Actions]

Check the following.

- Check the connection of the LAN cable.
- Check the default gateway settings.
- Check the subnet mask settings.

For the BB-Direct configuration:

- Check the EP proxy server settings. (Chain-Link (920-035~920-039) or KO settings)

For the EPA-Server configuration:

- Check the EP server settings. (Chain-Link (920-003~920-006))

If the problem persists after checking the above settings, there may be a network failure. Contact the client's Network Administrator.

If the problem persists in a properly functioning network, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-521 A connection to CA has timed out.

[Error Type]

Job Fail

[Fault Content]

CA Communication Timeout

[Detection Conditions]

Timeout has occurred when obtaining the EP certificate.

secep returned "SECEP_TIMEOU".

[Corrective Actions]

Check the following.

- Check the connection of the LAN cable.
- Check the default gateway settings.

- Check the subnet mask settings.

For the BB-Direct configuration:

- Check the EP proxy server settings. (Chain-Link (920-035~920-039) or KO settings)

For the EPA-Server configuration:

- Check the EP server settings. (Chain-Link (920-003~920-006))

If the problem persists after checking the above settings, there may be a network failure. Contact the client's Network Administrator.

If the problem persists in a properly functioning network, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

021-522 A miscellaneous CA comm error has detected.

[Error Type]

Job Fail

[Fault Content]

Certificate Library Error

[Detection Conditions]

An error has occurred in the certificate library.

secep returned a uncategorized error during CA communication.

(Uncategorized errors when no communications were made are internal errors)

[Corrective Actions]

Check the following.

- Check the connection of the LAN cable.
- Check the default gateway settings.
- Check the subnet mask settings.

For the BB-Direct configuration:

- Check the EP proxy server settings. (Chain-Link (920-035~920-039) or KO settings)

For the EPA-Server configuration:

- Check the EP server settings. (Chain-Link (920-003~920-006))

If the problem persists after checking the above settings, there may be a network failure. Contact the client's Network Administrator.

If the problem persists in a properly functioning network, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-523 An internal error has occurred.

[Error Type]

Job Fail

[Fault Content]

Internal Error

[Detection Conditions]

Software failure where processing can still continue was detected.

Or, a memory access error where processing can still continue was detected.

Or, libcurl returned "CURLE_SEND_ERROR".

Or, libcurl returned "CURLE_RECV_ERROR".

[Corrective Actions]

If the SOAP port stops, start.

If the situation is not improved, power OFF then ON.

If the situation is still not improved, obtain the pfshowinfo9 log and network log immediately after the problem occurs, and contact the support division for directions.

2.5.1 Log collection/extraction tool function explanation

When the aggregation server is installed but its version is 1.0.x, the function of updating software is not supported. So check the logs on the aggregation server.

021-524 A registration conflict has detected.

[Error Type]

Job Fail

[Fault Content]

Installation Status Mismatch

[Detection Conditions]

Although installation was instructed, it was detected internally that the status is 'Installed'.

At the start of the installation process, it was detected that the system data "Installation Status" is not set to 'Not Installed'.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, use Chain-Link(920-001) to change 'Installation Status' to 'Not Installed' and retry the operation.

If the problem persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-525 An unregistration conflict has detected.

[Error Type]

Job Fail

[Fault Content]

Recall Status Mismatch

[Detection Conditions]

Although recall was instructed, it was detected internally that the status is 'Recalled'.

At the start of the recall process, it was detected that the system data "Installation Status" is not set to 'Installed'.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, use Chain-Link(920-001) to change 'Installation Status' to 'Installed' and retry the operation.

If the problem persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-526 A miscellaneous http session error has detected.

[Error Type]

Job Fail

[Fault Content]

Communication Library Error

[Detection Conditions]

An error has occurred in the communication library.
libcURL returned an uncategorized error.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-527 An invalid message has received.

[Error Type]

Job Fail

[Fault Content]

Invalid Communication Message (Edge Server)

[Detection Conditions]

An invalid message was received from the server.
libcURL returned "HTTP Status: 4XX".

Or, an invalid SOAP Fault was received. (e.g. An unknown code or subcode, etc.)

Or, an invalid SOAP Response was received.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-528 A communication settings was set as disabled.

[Error Type]

Job Fail

[Fault Content]

Communication Setting Error

[Detection Conditions]

At the start of communication, a setting that does not allow communication was detected.

At the start of the communication, it was detected that the system data 'Installation Status' is set to 'Not Installed'.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the EP Center for the EP contract status and registration status. If it has been verified as 'Installed', use Chain-Link (920-001) to change 'Installation Status' to 'Installed' and retry the operation.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

021-529 Device has already latest firmware.

[Error Type]

job

[Fault Content]

The latest version is detected. (Software Update)

[Detection Conditions]

As a result of an inquiry to the software update server about the versions of software this machine has, all the ROMs on this machine have been found to have the latest version of software.

[Corrective Actions]

If this error is detected in spite of the latest version of software, ask the EP center (software update server) about the system operation status.

021-530 An internal error has occurred on update server.

[Error Type]

job

[Fault Content]

An error internal to the server (Software Update)

[Detection Conditions]

The software update server has detected an internal error.

The software update server has sent this machine an answering message showing it detected an internal error.

[Corrective Actions]

Wait for a while and operate again.

If the problem persists, perform the following in order.

1. Ask the EP center (software update server) about the system operation status.
2. If the EP center is having a problem, wait until it recovers. As soon as it recovers, retry operating from the UI.

If the situation is not improved in spite of the recovery of the EP center, obtain the pfshowinfo9 log and network log immediately after the problem occurs and contact the support division for directions.

2.5.1 Log collection/extraction tool function explanation

021-531 Service is temporarily unavailable on update svr

[Error Type]

job

[Fault Content]

A big load on the server is detected. (Software Update)

[Detection Conditions]

The software update server has detected a big load on itself.

The software update server has sent this machine an answering message showing it has a big load.

[Corrective Actions]

Wait for a while and operate again.

If the problem persists, perform the following in order.

1. Ask the EP center (software update server) about the system operation status.
2. If the EP center is having a problem, wait until it recovers. As soon as it recovers, retry operating from the UI.

If the situation is not improved in spite of the recovery of the EP center, obtain the pfshowinfo9 log and network log immediately after the problem occurs and contact the support division for directions.

2.5.1 Log collection/extraction tool function explanation

021-532 Found an unsupported ROM set.

[Error Type]

job

[Fault Content]

An unsupported set of ROM versions is detected. (Software Update)

[Detection Conditions]

As a result of an inquiry to the software update server about the versions of software this machine has, this machine has been found to have a combination of ROM versions an update on which is not supported by EP.

[Corrective Actions]

Do upgrade using FirmWare DownLoad Software.

021-533 Software Update unoperational by user.

[Error Type]

job

[Fault Content]

The user cannot do an update. (Software Update)

[Detection Conditions]

As a result of an inquiry to the software update server about the versions of software this machine has, this machine has been found to have a combination of ROM versions that prohibits the key operator (KO) from doing update.

[Corrective Actions]

Do upgrade using FirmWare DownLoad Software.

021-534 Found an unsupported submodule.

[Error Type]

job

[Fault Content]

An unsupported submodule is detected. (Software Update)

[Detection Conditions]

As a result of an inquiry to the software update server about the versions of software this machine has, this machine has been found to have a submodule among its ROMs which is excluded from software update.

[Corrective Actions]

Do upgrade using FirmWare DownLoad Software.

021-535 Found an unsupported peripheral.

[Error Type]

job

[Fault Content]

An unsupported accessory is detected. (Software Update)

[Detection Conditions]

As a result of an inquiry to the software update server about the versions of software this machine has, this machine has been found to be equipped with an accessory which is excluded from EP software update.

[Corrective Actions]

Do upgrade using FirmWare DownLoad Software.

021-536 Device already has a Chain Link file.

[Fault Name]

Device already has a Chain Link file.

[Error Type]

Job

[Fault Content]

Conflict with Chain-Link Settings Instruction
(Software Update)

[Detection Conditions]

Chain-Link settings file which has not been processed is detected when software update instruction is received from the user.

[Corrective Actions]

Power OFF/ON, and resend instruction for software update. During device initialization by power OFF/ON, Chain-Link settings, which have not been processed will be processed, and the device will automatically restart. As a result, this will stop the error from occurring.

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the problem of Information Fail/Warning occurrence.

021-537 a software update conflict has detected.

[Fault Name]

a software update conflict has detected.

[Error Type]

Job

[Fault Content]

A software upgrade conflict was detected (Software Upgrade)

[Detection Conditions]

When the appointment date for the software upgrade was reached, it was detected that another software upgrade is already in progress.

Or, when instructing to perform the software upgrade from the UI Panel, it was detected that the appointed software upgrade process is already started.

[Corrective Actions]

No action necessary as this is not disclosed to the User. (Disclosed to CE)

021-538 Couldn't start software update due to user operation.

[Fault Name]

Couldn't start software update due to user operation.

[Error Type]

Job

[Fault Content]

Failed to start the software upgrade (Software Upgrade)

[Detection Conditions]

When the appointment date for the software upgrade was reached, it was detected that the software upgrade cannot be started temporarily as the device is being operated by a User, etc.

[Corrective Actions]

No action necessary.

(When the Job in progress has completed, obtain permission from the customer to perform the software upgrade again from the UI Panel as necessary or schedule another software upgrade appointment.)

021-539 The power supply was off at reserved time.

[Fault Name]

The power supply was off at reserved time.

[Error Type]

Job

[Fault Content]

The power was detected to be OFF at the appointment period.

(Software Upgrade)

[Detection Conditions]

When the device is turned ON, it was detected that the appointment date for the software upgrade had passed while the power is OFF and hence the software upgrade process was not able to be performed.

[Corrective Actions]

No action necessary.

(When the Job in progress has completed, obtain permission from the customer to perform the software upgrade again from the UI Panel as necessary or schedule another software upgrade appointment.)

021-540 The power was turned off during downloading has detected.

[Fault Name]

The power was turned off during downloading has detected.

[Error Type]

Job

[Fault Content]

Power OFF was detected when the download is in progress.

(Software Upgrade)

[Detection Conditions]

It was detected that the power had turned OFF while the software upgrade file is being downloaded.

[Corrective Actions]

No action necessary.

(Obtain permission from the customer to perform the software upgrade again from the UI Panel as necessary or schedule another software upgrade appointment.)

021-541 An invalid software update configuration has detected.

[Fault Name]

An invalid software update configuration has detected.

[Error Type]

Job

[Fault Content]

The software upgrade feature settings is invalid (Software Upgrade)

[Detection Conditions]

When the software upgrade is about to commence, it was detected that the feature settings of the software upgrade is disabled.

[Corrective Actions]

Check the customer's contract information and set the service parameter of the device appropriately.

Obtain permission from the customer to perform the software upgrade again from the UI Panel as necessary or schedule another software upgrade appointment.

021-542 Reserved Software update capability Fail**[Fault Name]**

Reserved Software update capability Fail

[Error Type]

Job

[Fault Content]

The date specification software update function was detected to be not available (Software Upgrade)

[Detection Conditions]

Although it is now the appointed date for software upgrade, it was detected that the date specified firmware upgrade is unable to be performed.

[Corrective Actions]

Check whether the Hard Disk is removed and install it is it is.

If the Hard Disk is malfunctioning, replace it.

If the problem still persists, perform the following:

OF-09 Common Job Fail

021-543 Invalid software version information detect Fail**[Fault Name]**

Invalid software version information detect Fail

[Error Type]

Job

[Fault Content]

An invalid software version data is detected (Software Upgrade)

[Detection Conditions]

During the Software Upgrade, the software version data that was obtained for version matching was found to be invalid.

[Corrective Actions]

Turn the Device OFF and ON.

If the problem still persists, perform the following:

Obtain the [PfShowInfo 9 log] and [Network log] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

021-700 Accessory Failure**[Error Type]**

job

[Fault Content]

EP Accessory - Service Canceled By Disable-USB Accessory Failure or Disconnect

[Detection Conditions]

With one of the following USB-related Local Fails occurring, a job has been started.

021-210 USB IC Card Reader connection error

021-211 USB IC Card Reader broken

021-212 USB IC Card Reader preparing error

[Corrective Actions]

Check the occurring Local Fail (described later) and take the corrective action for the Fault Code before rerunning the job with which the Fail has occurred.

(One of the Fault Codes 021-210, 021-211 and 021-212 is occurring.)

If the problem persists, collect the pfshowinfo9 log and network log following 2.5.1 LOG immediately after the occurrence of the problem, and then contact the support division for directions.

OF-09 Common Job Fail

021-701 Accessory Preparing**[Error Type]**

job

[Fault Content]

EP Accessory - Service Canceled By Disable-USB Accessory Preparing

[Detection Conditions]

While the USB-connected accessory is being started, that is, before it is ready, a job has been started.

[Corrective Actions]

Wait for a specific time (default: 3 min.) for USB Accessory to start before rerunning the job with which the Fail has occurred.

(If the accessory is not ready after the above-mentioned period of time, this machine will display 021-212 on the panel. In this case, take the corrective action for 021-212.)

If the problem persists, collect the pfshowinfo9 log and network log following 2.5.1 LOG immediately after the occurrence of the problem, and then contact the support division for directions.

OF-09 Common Job Fail

021-731 EP Accessory - Function Disabled**[Error Type]**

Job Fail

[Fault Content]

EP Accessory - Disabled Function

[Detection Conditions]

When MDSS is connected and color copying is prohibited using the Coin Kit, a color copy job was requested.

[Corrective Actions]

Check the settings.

021-732 EP Accessory Error732**[Error Type]**

Job Fail

[Fault Content]

EP Accessory - Service Canceled By Disable

[Detection Conditions]

With an accessory installed, the card was missing, insufficient fee paid or a shortage of card value.

[Corrective Actions]

Insert a Xerox card, copy card or cash into the accessory, and ensure that there are sufficient fees or card value.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

021-733 EP Accessory Error733**[Error Type]**

Job Fail

[Fault Content]

EP Accessory Service Canceled By Color Mode Restriction

[Detection Conditions]

With an accessory installed, there was Color Mode Restriction or the upper limit was reached.

[Corrective Actions]

Operate the Color Restriction Key SW to allow Color. Or, replace the card with another card that does not reach its upper limit in Color mode.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

021-750 U Parts Request Fail (EP-SV)**[Error Type]**

Job Fail

[Fault Content]

EP-SV - Used Parts Collection order failed.

[Detection Conditions]

When the Used Parts Collection Order was processed, an error was sent by the EP-SV.

[Corrective Actions]

Contact the telephone center.

021-751 Maintenance Request Fail (EP-SV)**[Error Type]**

Job Fail

[Fault Content]

EP-SV - Inspection/Repair/Preliminary Diagnostic request failed.

[Detection Conditions]

When an Inspection/Repair/Preliminary Diagnostic Request was processed, an error was sent by the EP-SV.

[Corrective Actions]

Check that the telephone line is connected. Wait and send the request again.

If the problem persists, perform the following procedure to repair it.

OF-11 Fax Job Fail

021-770 U Parts Request Fail (EP-DX)**[Error Type]**

Job Fail

[Fault Content]

EP-DX - Used Parts Collection order failed.

[Detection Conditions]

EP-DX - Used Parts Collection order failure was detected.

[Corrective Actions]

Check that the telephone line is connected. Wait and send the request again.

If the problem persists, contact the Telephone Center directly.

Check the following too:

OF-11 FAX Job Fail

021-771 Maintenance Request Fail (EP-DX)**[Error Type]**

Job Fail

[Fault Content]

EP-DX - Inspection/Repair/Preliminary Diagnostic request failed.

[Detection Conditions]

Inspection/Repair/Preliminary Diagnostic request failed.

Fax Card returned NG because the line was busy.

[Corrective Actions]

Check that the telephone line is connected. Wait and send the request again.

If the problem persists, contact the Telephone Center directly.

Check the following too:

OF-11 FAX Job Fail

021-772 EPDX Install, Remove Error

[Error Type]

Job Fail

[Fault Content]

EP-DX - Installation/Removal failed.

[Detection Conditions]

The system detected that the EP-DX - installation/removal has failed because it was absent at power ON.

Fax Card returned NG because the line was busy.

[Corrective Actions]

Check that the telephone line is connected. Wait and send the request again.

If the problem persists, contact the Telephone Center directly.

Check the following too:

OF-11 FAX Job Fail

021-941 EP - Scan Service Paused By Disable

[Error Type]

Operation Error

[Fault Content]

EP Accessory - Scan Service Paused By Disable

[Detection Conditions]

With an accessory installed, the card was missing, insufficient fee paid or a shortage of card value.

[Corrective Actions]

Insert a Xerox card, copy card or cash into the accessory, and ensure that there are sufficient fees or card value.

021-942 EP - Scan Service Paused By Color Mode

[Error Type]

Operation Error

[Fault Content]

EP Accessory - Scan Service Paused By Color Mode Restriction

[Detection Conditions]

With an accessory installed, there was Color Mode Restriction or the upper limit was reached.

[Corrective Actions]

Operate the Color Restriction Key SW to allow Color. Or, replace the card with another card that does not reach its upper limit in Color mode.

021-943 EP - Print Service Paused By Disable

[Error Type]

Operation Error

[Fault Content]

EP Accessory - Print Service Paused By Disable

[Detection Conditions]

With an accessory installed, the card was missing, insufficient fee paid or a shortage of card value.

[Corrective Actions]

Insert a Xerox card, copy card or cash into the accessory, and ensure that there are sufficient fees or card value.

021-944 EP - Print Service Paused By Color Mode

[Error Type]

Operation

[Fault Content]

EP Accessory - Print Service Paused By Color Mode Restriction

[Detection Conditions]

The following were detected when an accessory was installed:

- 'Color Print Prohibited' is set in the machine.
When color is prohibited, this error will appear when 'Black' is not specified for printing from the PC even if the printed document contains only B/W pages.
- The number of color print sheets of the Accessory (= DocuLyzer) that is installed to the machine has reached the upper limit.

<<Detailed Explanation>> The 'Color Current Count Value for Each Output Color' in the Card that is inserted into the DocuLyzer has reached the 'Upper Limit for Each Output Color' that is stored in the DocuLyzer.

* In Taiga, (1) will occur but (2) will not.

[Corrective Actions]

- Operate the color limit keys in the machine to allow color print.
Or, use the Printer Driver in the PC to instruct printing in 'Black' mode (instructing 'Auto' or 'Color' will not improve the situation.)
(2-1) In DocuLyzer, reset the 'Color Current Count Value for Each Output Color' of the target card.
(2-2) Insert a card with count that has not reached the upper limit of the color count.

021-945 EP - Service Paused By Disable

[Error Type]

Operation Error

[Fault Content]

EP Accessory - Service Paused By Disable

[Detection Conditions]

With an accessory installed, the card was missing, insufficient fee paid or a shortage of card value.

[Corrective Actions]

Insert a Xerox card, copy card or cash into the accessory, and ensure that there are sufficient fees or card value.

021-946 EP - Service Paused By Color Mode

[Error Type]

Operation Error

[Fault Content]

EP Accessory - Service Paused By Color Mode Restriction

[Detection Conditions]

With an accessory installed, there was Color Mode Restriction or the upper limit was reached.

[Corrective Actions]

Operate the Color Restriction Key SW to allow Color. Or, replace the card with another card that does not reach its upper limit in Color mode.

021-947 Subtractive Accessory Disable (Scan)

[Error Type]

Operation Fail

[Fault Content]

The remaining rate Subtractive Accessory has is insufficient. (Scan Service Paused By Subtractive Accessory Disable)

[Detection Conditions]

This occurs during document scanning or direct copy.

If with ICCG + Dispensor or Coin Kit connected, IITsc detects that the remaining rate the Dispensor or Coin Kit has is insufficient, it causes a job to be temporarily stopped.

[Corrective Actions]

In the case of Dispensor, insert a card that has a remaining rate enough to continue the job. In the case of Coin Kit, add a necessary amount of money to continue the job.

021-948 Subtractive Accessory Disable (Print)

[Error Type]

Operation Fail

[Fault Content]

The remaining rate Subtractive Accessory has is insufficient. (Print Service Paused By Subtractive Accessory Disable)

[Detection Conditions]

This occurs during printing on paper or direct copy.

If with ICCG + Dispensor or Coin Kit connected, IOTsc detects that the remaining rate the Dispensor or Coin Kit has is insufficient, it causes a job to be temporarily stopped.

[Corrective Actions]

In the case of Dispensor, insert a card that has a remaining rate enough to continue the job. In the case of Coin Kit, add a necessary amount of money to continue the job.

021-949 Subtractive Accessory Disable

[Error Type]

Operation Fail

[Fault Content]

The remaining rate Subtractive Accessory has is insufficient. (Service Paused By Subtractive Accessory Disable)

[Detection Conditions]

This occurs only when a job is temporarily stopped, not while a job is in progress.

*This occurs if a job stops due to a non-accessory factor and the card is then extracted and then starting the job is attempted.

If with ICCG + Dispensor or Coin Kit connected, EP-Cont detects that the remaining rate the Dispensor or Coin Kit has is insufficient, it causes a job to be temporarily stopped.

[Corrective Actions]

In the case of Dispensor, insert a card that has a remaining rate enough to continue the job. In the case of Coin Kit, add a necessary amount of money to continue the job.

023-600 Held Down Key Error(UI-Panel)

[Error Type]

record

[Fault Content]

A Key is held down.

[Detection Conditions]

[This is a hidden Fail.]

A hard key on the panel has been found to be held down for one or more consecutive minutes.

[Corrective Actions]

This is a Fail to convey a message. No action is required.

023-601 Held Down Softkey Error(UI-Panel)

[Error Type]

record

[Fault Content]

The Touch Panel is held down.

[Detection Conditions]

[This is a hidden Fail.]

The Touch Panel has been found to be held down for one or more consecutive minutes.

[Corrective Actions]

This is a Fail to convey a message. No action is required.

024-340 IOT-ESS Communication Fail 1

[Error Type]

Sub System Fail

[Fault Content]

(IOT):

MCU sending error detected by Controller

(Invalid parameter was used)

[Detection Conditions]

An abnormal parameter is set as the argument for the Send function.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

No need to replace the ESS PWB.

024-341 IOT-ESS Communication Fail 2

[Error Type]

Sub System Fail

[Fault Content]

(IOT):

MCU sending error detected by Controller

(Sequence No. error)

[Detection Conditions]

A transmission failure occurred as the ACK could not be received after 2 resend attempts. (The Sequencing No. of the sent Message Packet is incorrect.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

No need to replace the ESS PWB.

024-342 IOT-ESS Communication Fail 3

[Error Type]

Sub System Fail

[Fault Content]

(IOT):

MCU sending error detected by Controller

(Packet No. error)

[Detection Conditions]

A transmission failure occurred as the ACK could not be received after 2 resend attempts. (The Packet No. of the sent Message Packet is incorrect.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

No need to replace the ESS PWB.

024-343 IOT-ESS Communication Fail 4

[Error Type]

Sub System Fail

[Fault Content]

(IOT):

MCU sending error detected by Controller

(Message length error)

[Detection Conditions]

A transmission failure occurred as the ACK could not be received after 2 resend attempts. (The message length of the sent Message Packet is incorrect.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

No need to replace the ESS PWB.

024-345 IOT-ESS Communication Fail 5

[Error Type]

Sub System Fail

[Fault Content]

(IOT):

MCU sending error detected by Controller

(Check code error)

[Detection Conditions]

A transmission failure occurred as the ACK could not be received after 2 resend attempts. (The check code of the sent Message Packet is incorrect.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

No need to replace the ESS PWB.

024-346 IOT-ESS Communication Fail 6

[Error Type]

Sub System Fail

[Fault Content]

(IOT):

MCU sending parity error detected by Controller

[Detection Conditions]

A transmission failure occurred as the ACK could not be received after 2 resend attempts. (A parity error was detected by hardware of the IOT.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

The ESS-PWB should be also replaced.

024-347 IOT-ESS Communication Fail 7**[Error Type]**

Sub System Fail

[Fault Content]

Imari (IOT):

MCU send framing error detected by Controller

[Detection Conditions]

A transmission failure occurred as the ACK could not be received after 2 resend attempts. (A framing error was detected by hardware of the IOT.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

No need to replace the ESS PWB.

024-348 IOT-ESS Communication Fail 8**[Error Type]**

Sub System Fail

[Fault Content]

(IOT):

MCU sending error detected by Controller

(Overrun error)

[Detection Conditions]

A transmission failure occurred as the ACK could not be received after 2 resend attempts. (An overrun error was detected by hardware of the IOT.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

No need to replace the ESS PWB.

024-349 IOT-ESS Communication Fail 9**[Error Type]**

Sub System Fail

[Fault Content]

(IOT):

MCU sending error detected by Controller

(Receiving abortion error)

[Detection Conditions]

A transmission failure occurred as the ACK could not be received after 2 resend attempts. (A receive abort was detected by the IOT after the header had been recognized.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

No need to replace the ESS PWB.

024-350 IOT-ESS Communication Fail 10**[Error Type]**

Sub System Fail

[Fault Content]

(IOT):

MCU receiving error detected by Controller

(Sequence No. error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (The Sequence No. of the received Message Packet is incorrect.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

No need to replace the ESS PWB.

024-351 IOT-ESS Communication Fail 11**[Error Type]**

Sub System Fail

[Fault Content]

(IOT):

MCU receiving error detected by Controller

(Packet No. error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (The Packet No. of the received Message Packet is incorrect.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-06 IOT System Fail
The ESS-PWB should be also replaced.

024-352 IOT-ESS Communication Fail 12

[Error Type]

Sub System Fail

[Fault Content]

MCU receiving error detected by Controller
(Message length error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (The message length of the received Message Packet is incorrect.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-06 IOT System Fail
(No need to replace the ESS PWB.)

024-353 IOT-ESS Communication Fail 13

[Error Type]

Sub System Fail

[Fault Content]

MCU receiving error detected by Controller
(Check code error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (The check code of the received Message Packet is incorrect.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-06 IOT System Fail
(No need to replace the ESS PWB.)

024-354 IOT-ESS Communication Fail 14

[Error Type]

Sub System Fail

[Fault Content]

MCU receiving error detected by Controller
(Parity error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (A parity error was detected by hardware of the UART.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-06 IOT System Fail
No need to replace the ESS PWB.

024-355 IOT-ESS Communication Fail 15

[Error Type]

Sub System Fail

[Fault Content]

MCU receiving error detected by Controller
(Framing error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (A framing error was detected by hardware of the UART.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-06 IOT System Fail
(No need to replace the ESS PWB.)

024-356 IOT-ESS Communication Fail 16

[Error Type]

Sub System Fail

[Fault Content]

MCU receiving overrun error detected by Controller

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (An overrun error was detected by hardware of the UART.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-06 IOT System Fail
No need to replace the ESS PWB.

024-357 IOT-ESS Communication Fail 17

[Error Type]

Sub System Fail

[Fault Content]

MCU receiving error detected by Controller

(Receiving abortion error)

[Detection Conditions]

The NAK that notifies of the occurrence of a transmission failure is received. (Abortion of receiving was detected after the header had been recognized.)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

(No need to replace the ESS PWB.)

024-358 IOT-ESS Communication Fail 18**[Error Type]**

Sub System Fail

[Fault Content]

Print sequence error detected by Controller. (The paper feed and paper output that are not applicable to the NBR are detected.)

[Detection Conditions]

The paper feed and paper output that are not applicable to the NBR are detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

(No need to replace the ESS PWB.)

024-359 IOT-ESS Communication Fail 19**[Error Type]**

Sub System Fail

[Fault Content]

MCU transmission receiving error detected by Controller

(Invalid parameter was used)

[Detection Conditions]

An abnormal parameter is set as the argument for the receiving function.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

(No need to replace the ESS PWB.)

024-360 IOT-ESS Initialization Fail**[Error Type]**

Sub System Fail

[Fault Content]

Initialization error between IOT-ESS

[Detection Conditions]

The IOT Driver initialization failed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

(No need to replace the ESS PWB.)

024-361 Invalid IOT PaperSizeGroup Info**[Error Type]**

Sub System Fail

[Fault Content]

The paper size group data is different between the ESS and the IOT.

[Detection Conditions]

The paper size group setting in the Controller does not match the paper size group data detected by the IOT.

[Corrective Actions]

1. Initialize the NVM (user area).
2. Check the paper size group setting in the Controller and set a correct value.
3. Refer to Generic Sensor FIP to check the sensor.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

024-362 Page Sync Illegal Start**[Error Type]**

Sub System Fail

[Fault Content]

[Image Output]

PAGE-SYNC occurred before video output preparation completes.

[Detection Conditions]

During IOT output, before the output data was written to FIFO Full, PageSync became active. Basically, this is not affected by noises but may be affected by excessive noises.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

The ESS PWB should be also replaced.

024-363 Page Sync Illegal Stop**[Error Type]**

Sub System Fail

[Fault Content]

[Image Output]

PAGE-SYNC completion error during video output

[Detection Conditions]

At IOT output, PageSync is negated before the specified paper size is output. Basically, this is not affected by noises but may be affected by excessive noises.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

The ESS PWB should be also replaced.

024-364 DMA Transfer Fail

[Error Type]

Sub System Fail

[Fault Content]

[Image Output]

DMA Transfer Error

[Detection Conditions]

During Reduce/Enlarge, reduction/enlargement was not completed even though the specified data was entered. This is probably caused by the SW failure or garbage data (RAM/HDD).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following.

1. Pull out and insert the System Memory to check the installation.
2. Replace the RAM.
3. If the problem persists, perform the procedures in 'OF-02 HDD System Fail'.
4. If the problem persists, perform the procedures in 'OF-01 Common System Fail'.

024-365 Overflow on Loop Back Write

[Error Type]

Sub System Fail

[Fault Content]

Loopback Write Overflow

[Detection Conditions]

The extended data exceeded the reserved buffer size.

[Corrective Actions]

This failure is currently not displayed.

024-366 JBIG Library Other Fail

[Error Type]

Sub System Fail

[Fault Content]

Other errors in JBIG Lib

[Detection Conditions]

Not in use now.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following.

1. Replace the ESS PWB.

024-367 Decompress Other Fail

[Error Type]

Sub System Fail

[Fault Content]

Other errors from Decompress (Extension)

[Detection Conditions]

Incorrect LINE SYNC was detected.

1. Incorrect V-SYNC and H-SYNC signals were asserted during IOT output.
2. Data overrun has occurred (caused by the parameter setting error for Panther4).
 1. is the main cause of error.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedures in sequence to repair it.

OF-02 After performing the operation in HDD System Fail

OF-01 Common System Fail

024-368 PCI Error

[Error Type]

Sub System Fail

[Fault Content]

BUTTON: [Image Output]

PCI Bus Error

[Detection Conditions]

PCI access error occurred due to a faulty PCI bus.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedures in sequence to repair it.

OF-02 After performing the operation in HDD System Fail

OF-01 Common System Fail

024-370 Marker Code Detection Fail

[Error Type]

Sub System Fail

[Fault Content]

Marker Code Detection Error

[Detection Conditions]

During Enlarge, when the file was enlarged only by the specified size, the end code (FF02) cannot be found in the compressed data.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following.

- When it occurs only for certain documents (there is a high possibility that the S/W is faulty).
 1. Change the Print mode (Normal/High Quality/High Resolution).
 2. This may occur when the RAM size is changed.
 - A. Change the installed RAM size.
 - B. Change the RAM size. (Change the port settings or the receive buffer size, etc.)

If the problem persists, proceed to the following procedure to repair it.

OF-01 Common System Fail

OF-06 IOT System Fail

OF-02 HDD System Fail

- When it occurs for random or most documents, there is a high possibility that the HW is faulty.
 1. Pull out and insert the System Memory to check the installation.
 2. Replace the RAM.
 3. Pull out and insert or replace the cable or back plane between the ESS and the MCU.

If the problem persists, perform the following procedures in sequence to repair it.

OF-01 Common System Fail

OF-06 IOT System Fail

OF-02 HDD System Fail

024-371 IOT-ESS Communication Fail 21**[Error Type]**

Sub System Fail

[Fault Content]

The communication between the ESS and IOT has not been established, which is detected by the Controller.

[Detection Conditions]

When the Controller and IOT are turned ON (including recovery from Power Saver mode), a response from the IOT to a request to establish communications from the Controller was not detected within the specified time.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

The ESS PWB should be also replaced.

024-372 IOT-ESS Communication Fail 22**[Error Type]**

Sub System Fail

[Fault Content]

Sending error detected by Controller (Incorrect parameter instruction)

[Detection Conditions]

An illegal instruction for IOT Port No., Timeout Time, Pointer, or Transfer Size was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

The ESS PWB should be also replaced.

024-373 IOT-ESS Communication Fail 23**[Error Type]**

Sub System Fail

[Fault Content]

DLL communication failure recovery error detected by Controller

[Detection Conditions]

When a message packet is sent from the Controller, the ACK packet from the IOT cannot be received within the specified time after the specified number of retries.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

The ESS PWB should be also replaced.

024-374 Regi Con PLL Parameter Fail**[Error Type]**

Sub System Fail

[Fault Content]

RegiCon adjustment value setting error detected by Controller (Incorrect parameter instruction)

[Detection Conditions]

Incorrect color registration adjustment value is sent from the IOT.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following.

1. Replace the harness connecting the ESS and IOT.

If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

024-375 IOT-ESS Communication Fail 24

[Error Type]

Sub System Fail

[Fault Content]

DLL receiving error detected by Controller (Incorrect parameter instruction)

[Detection Conditions]

An illegal instruction for IOT Port No., Timeout Time, or Pointer was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

The ESS PWB should be also replaced.

024-376 IOT-ESS Communication Fail 25

[Fault Name]

IOT-ESS Communication Fail 25

[Error Type]

Sub

[Fault Content]

(IOT): MCU image signal truncation detected by the Controller

[Detection Conditions]

Occurs when a break in connection is detected at the loopback terminal of the image signal line

[Corrective Actions]

Turn the power OFF and ON.

Check ROS Unit Image Signal disconnection (cable), if disconnected, repair it.

If the problem still persists, perform the following:

OF-06 IOT System Fail

It is also necessary to change the ESS PWB

024-600 Billing Master Counter repair

[Error Type]

History

[Fault Content]

Repair the Billing Master Counter.

[Detection Conditions]

The Billing Master Counter is automatically repaired.

[Corrective Actions]

Only record the data to the history.

024-601 Billing Backup Counter 1 repair

[Error Type]

History

[Fault Content]

Billing Backup Counter 1 Recovery

[Detection Conditions]

The Billing Backup Counter 1 is automatically repaired.

[Corrective Actions]

Only record the data to the history.

024-602 Billing Backup Counter 2 repair

[Error Type]

History

[Fault Content]

Billing Backup Counter 2 Recovery

[Detection Conditions]

The Billing Backup Counter 2 is automatically repaired.

[Corrective Actions]

Only record the data to the history.

024-603 SWKey Master Counter repair

[Error Type]

History

[Fault Content]

SWKey Master Counter Recovery

[Detection Conditions]

The SWKey Master Counter is automatically repaired.

[Corrective Actions]

Only record the data to the history.

024-604 SWKey Backup Counter 1 repair

[Error Type]

History

[Fault Content]

SWKey Backup Counter1 Recovery

[Detection Conditions]

The SWKey Backup Counter 1 is automatically repaired.

[Corrective Actions]

Only record the data to the history.

024-605 SWKey Backup Counter 2 repair**[Error Type]**

History

[Fault Content]

SWKey Backup Counter2 Recovery

[Detection Conditions]

The SWKey Backup Counter 2 is automatically repaired.

[Corrective Actions]

Only record the data to the history.

024-606 Billing Meter Type Master Counter repair**[Error Type]**

record

[Fault Content]

Billing Meter Type is automatically repaired. (ESS SEEP repaired)

[Detection Conditions]

[This is a hidden Fail.]

Billing Meter Type (kept in ESS SEEP) has been automatically repaired.

*NOTE: A Shutdown History report is logged.***[Corrective Actions]**

This is a Fail to convey a message. No action is required.

024-607 Billing Meter Type Backup Counter 1 repair**[Error Type]**

record

[Fault Content]

Billing Meter Type is automatically repaired. (ESS NVM repaired)

[Detection Conditions]

[This is a hidden Fail.]

Billing Meter Type (kept in ESS NVM) has been automatically repaired.

*NOTE: A Shutdown History report is logged.***[Corrective Actions]**

This is a Fail to convey a message. No action is required.

024-608 Billing Meter Type Backup Counter 2 repair**[Error Type]**

record

[Fault Content]

Billing Meter Type is automatically repaired. (IOT NVM repaired)

[Detection Conditions]

[This is a hidden Fail.]

Billing Meter Type (kept in IOT NVM) has been automatically repaired.

*NOTE: A Shutdown History report is logged.***[Corrective Actions]**

This is a Fail to convey a message. No action is required.

024-609 Billing CountType Master Counter repair**[Error Type]**

record

[Fault Content]

Billing Count Type is automatically repaired. (ESS SEEP repaired)

[Detection Conditions]

[This is a hidden Fail.]

Billing Count Type (kept in ESS SEEP) has been automatically repaired.

*NOTE: A Shutdown History report is logged.***[Corrective Actions]**

This is a Fail to convey a message. No action is required.

024-610 Billing CountType Backup Counter 1 repair**[Error Type]**

record

[Fault Content]

Billing Count Type is automatically repaired. (ESS NVM repaired)

[Detection Conditions]

[This is a hidden Fail.]

Billing Count Type (kept in ESS NVM) has been automatically repaired.

*NOTE: A Shutdown History report is logged.***[Corrective Actions]**

This is a Fail to convey a message. No action is required.

024-611 Billing CountType Backup Counter 2 repair**[Error Type]**

record

[Fault Content]

Billing Count Type is automatically repaired. (IOT NVM repaired)

[Detection Conditions]

[This is a hidden Fail.]

Billing Count Type (kept in IOT NVM) has been automatically repaired.

NOTE: A Shutdown History report is logged.

[Corrective Actions]

This is a Fail to convey a message. No action is required.

024-612 Modal Break Point Master Counter repara**[Error Type]**

record

[Fault Content]

Modal Break Point is automatically repaired. (ESS SEEP repaired)

[Detection Conditions]

[This is a hidden Fail.]

Modal Break Point (kept in ESS SEEP) has been automatically repaired.

NOTE: A Shutdown History report is logged.

[Corrective Actions]

This is a Fail to convey a message. No action is required.

024-613 Modal Break Point Backup Counter 1 repara**[Error Type]**

record

[Fault Content]

Modal Break Point is automatically repaired. (ESS NVM repaired)

[Detection Conditions]

[This is a hidden Fail.]

Modal Break Point (kept in ESS NVM) has been automatically repaired.

NOTE: A Shutdown History report is logged.

[Corrective Actions]

This is a Fail to convey a message. No action is required.

024-614 Modal Break Point Backup Counter 2 repara**[Error Type]**

record

[Fault Content]

Modal Break Point is automatically repaired. (IOT NVM repaired)

[Detection Conditions]

[This is a hidden Fail.]

Modal Break Point (kept in IOT NVM) has been automatically repaired.

NOTE: A Shutdown History report is logged.

[Corrective Actions]

This is a Fail to convey a message. No action is required.

024-615 IOT Unsupported Drum Shut Off**[Fault Name]**

IOT Unsupported Drum Shut Off

[Error Type]

Record

[Fault Content]

IOT Unsupported Drum Shut Off

[Detection Conditions]

When the IOT was detected to be of a version that does not support Drum Shut Off.

[Corrective Actions]

No action necessary.

024-700 Shortage memory capacity, or no Hard Disk**[Error Type]**

Job Fail

[Fault Content]

A job that could not be printed due to unfulfilled conditions such as [Insufficient System Memory] or [HDD Not Installed] was received

[Detection Conditions]

This machine, which satisfies conditions 1 and 2, was instructed to perform a job that has any of these - AnalogWaterMark/HybridWaterMark/UUID added to it.

Condition 1

Any of the SW options 'Paper Security Kit', 'Annotation Kit', or 'Sakura Paper Kit' is enabled. Note that this includes cases where two or more options are enabled.

Condition 2

The HDD is not installed on the Controller board, or the system memory capacity is insufficient to operate the SW options enabled in Condition 1.

[Corrective Actions]

1. Install the HDD on the Controller board.
2. Install the memory capacity required by the SW options enabled in Condition 1 on the Controller board (the required capacity depends on the machine model)

024-701 Invalid instruction of face inversion**[Error Type]**

job

[Fault Content]

Job cancellation due to the invalid Invert instruction

[Detection Conditions]

IOTsc has detected that the device has been instructed to print paper that is not invertible.

(E.g.)

- Coil punch x Tab paper x Invert instruction
- Paper size/type not invertible x Invert instruction

[Corrective Actions]

Instruct the device in the way that enables it to invert paper for reoutput.

024-702 Paper Jam**[Error Type]**

Job

[Fault Content]

Job cancellation due to paper jam

[Detection Conditions]

When paper jam occurs as printing is in progress for a Print Service Job (when Jam Recovery is set to 'OFF').

[Corrective Actions]

Resolve the paper jam and print again.

024-703 Booklet Sheets Count Over While Printing Fail**[Fault Name]**

Booklet Sheets Count Over While Printing Fail

[Error Type]

Job Fail

[Fault Content]

Booklet number of sheets exceeded Fail has occurred during printing.

[Detection Conditions]

After printing has started, it was detected that it had exceeded the maximum number of sheets for Booklet.

[Corrective Actions]

Change the paper with one of lighter weight so as not to exceed the maximum output limit.

If the problem persists, perform the procedures in 'OF-09 Common Job Fail'.

024-704 Denshi-Pen Error When Printing Fails**[Fault Name]**

Denshi-Pen Error When Printing Fails

[Error Type]

Job

[Fault Content]

Denshi-Pen Error During Printing

[Detection Conditions]Error has occurred when document is output from Denshi-Pen.
(Tried to print with SID, which has exceeded SID no. of reservations.)**[Corrective Actions]**

Power off the device, and power on after the display on the control panel has disappeared.

If the problem still persists, perform the following:

OF-09 Common Job Fail

024-705 Force Annotation Template Fail**[Fault Name]**

Force Annotation Template Fail

[Error Type]

Job

[Fault Content]

Force Annotation Template Fault

[Detection Conditions]

The specified Force Annotation template cannot be found in the device.

[Corrective Actions]

Delete document.Store again from driver.

If the problem still persists, perform the following:

OF-09 Common Job Fail

024-706 Denshi-Pen Print Condition Error**[Fault Name]**

Denshi-Pen Print Condition Error

[Error Type]

Job

[Fault Content]

Prohibition Error During Denshi-Pen Output

[Detection Conditions]

Tried to print document specified with Denshi-Pen when forced analog watermark or force hybrid watermark is set..

[Corrective Actions]

Set device to temporarily cancel forced printing.

If the problem still persists, perform the following:

OF-09 Common Job Fail

024-742 Print Booklet sheets counts over

[Error Type]

Job Fail

[Fault Content]

A printer job whose paper quantity exceeds Booklet Paper Quantity is canceled.

[Detection Conditions]

The number of sheets per set exceeds a specific allowable number for Booklet.

* This fault is detected at the start of print.

- If the number of sheets is larger by one, automatically only saddle stitching is deselected and the sheets become folded in half for output.
- If folding is only selected, an allowable number of sheets per set are automatically folded for output.

[Corrective Actions]

Choose creation of every Booklet using a maximum number of sheets, or deselect Booklet.

*When every Booklet is created using a maximum number of sheets, a specific signature is laid out on top of each booklet consisting of the max number of sheets.

If the problem still persists, go to the following procedure to resolve it.

OF-09 Common Job Fail

024-746 Print Request Failure-Paper

[Error Type]

Job Fail

[Fault Content]

There are parameters that are incompatible with the specified paper type.

[Detection Conditions]

The paper type specified by the job is incompatible with options such as Paper Tray, Output Tray, Automatic 2 Sided Print/Staple (E.g. Auto 2-Sided Print is specified for Transparencies).

[Corrective Actions]

Do not specify parameters that are incompatible with the specified paper type.

024-747 Print Instruction Fail

[Error Type]

Job Fail

[Fault Content]

Operation cannot be continued due to combination of unprintable parameters (stored file size, paper size, paper tray, duplex command, output tray)

[Detection Conditions]

The specified combination of parameters (stored file size, paper size, paper tray, duplex command, output tray) cannot be executed or continued.

When a job cannot continue due to component failure when [Start] button is pressed after a temporary interruption due to a component failure during a print operation, this error is also displayed.

[Corrective Actions]

Change the print parameter and print again.

024-748 Bates Numbering Digit Over

[Error Type]

job

[Fault Content]

The number of Bates Numbering digits is exceeded.

[Detection Conditions]

In the process of printing Bates Numbering, a maximum number of 9 or the user-specified number of digits is exceeded.

[Corrective Actions]

Reduce the number of documents to less than the user-specified number or reduce the number of numbering digits in order to copy them again.

If the problem persists, perform the following.

OF-09 Common Job Fail

024-775 Print Booklet sheets counts over(Not field attachment)

[Error Type]

Job Fail

[Fault Content]

A printer job whose paper quantity exceeds Booklet Paper Quantity is canceled. (This occurs with a job without simplex/duplex setting.)

[Detection Conditions]

This fault is detected at the start of print.

The number of sheets per set for printer print exceeds a specific allowable number for Booklet.

- If the number of sheets is larger by one, automatically only saddle stitching is deselected and the sheets become folded in three for output.
- If folding is only selected, an allowable number of sheets per set are automatically folded for output.

Because the Print Service operation of setting simplex/duplex is done by Driver, only the operation without simplex/duplex setting is done by the machine.

As a detection of this Fail causes a job to be canceled, a message is only displayed indicating the job is canceled.

[Corrective Actions]

Choose creation of every Booklet using a maximum number of sheets, or deselect Booklet.

*When every Booklet is created using a maximum number of sheets, a specific signature is laid out on top of each booklet consisting of the max number of sheets.

If the problem still persists, go to the following procedure to resolve it.

OF-09 Common Job Fail

024-900 Upper Tray Out Of Place**[Error Type]**

operation

[Fault Content]

Upper Tray is out of place.

[Detection Conditions]

A tray above the paper tray selected was 'out of place' so it was decided that paper feed was impossible.

This fault occurs depending on the configuration of the paper transport in the engine.(This occurs only with Front C Path Engine.)

[Corrective Actions]

If the status of the tray being out of place is not cleared, do the same procedure as the CE recovery action for xxTray Out Of Place.

024-910 Tray1 size mismatch**[Error Type]**

Operation Error

[Fault Content]

Size Mismatch Tray 1: Measured Length Mismatch

[Detection Conditions]

When the paper slow scan direction length is measured on the paper path, the length is different from the slow scan length for the size detected by the tray.

[Corrective Actions]

Load the correct paper in the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

OF-06 IOT System Fail

024-911 Tray2 size mismatch**[Error Type]**

Operation Error

[Fault Content]

Size Mismatch Tray 2: Measured Length Mismatch

[Detection Conditions]

When the paper slow scan direction length is measured on the paper path, the length is different from the slow scan length for the size detected by the tray.

[Corrective Actions]

Load the correct paper in the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

OF-06 IOT System Fail

024-912 Tray3 size mismatch**[Error Type]**

Operation Error

[Fault Content]

Size Mismatch Tray 3: Measured Length Mismatch

[Detection Conditions]

When the paper slow scan direction length is measured on the paper path, the length is different from the slow scan length for the size detected by the tray.

[Corrective Actions]

Load the correct paper in the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

OF-06 IOT System Fail

024-913 Tray4 size mismatch**[Error Type]**

Operation Error

[Fault Content]

Size Mismatch Tray 4: Measured Length Mismatch

[Detection Conditions]

When the paper slow scan direction length is measured on the paper path, the length is different from the slow scan length for the size detected by the tray.

[Corrective Actions]

Load the correct paper in the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

OF-06 IOT System Faill

024-914 Tray6 size mismatch

[Error Type]

Operation Error

[Fault Content]

Size Mismatch Tray 6: Measured Length Mismatch

[Detection Conditions]

When the paper slow scan direction length is measured on the paper path, the length is different from the slow scan length for the size detected by the tray.

[Corrective Actions]

Load the correct paper in the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

OF-06 IOT System Faill

024-915 Tray7 size mismatch

[Error Type]

Operation Error

[Fault Content]

Size Mismatch Tray 7: Measured Length Mismatch

[Detection Conditions]

When the paper slow scan direction length is measured on the paper path, the length is different from the slow scan length for the size detected by the tray.

[Corrective Actions]

Load the correct paper in the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

OF-06 IOT System Faill

024-916 Mix Full Stack

[Error Type]

Operation

[Fault Content]

Stacker Mix Full Stack (*Includes Z-fold number of page exceeded)

[Detection Conditions]

One of the following conditions was met during Mix Full position detection

- When paper size of the next job (either in feed direction or width direction) is larger than the uppermost paper size loaded for the previous job
- When changed to staple mode when the uppermost paper size loaded for the previous job is less than 279.4mm
- When uppermost paper size loaded for the previous job is 'unknown'

[Corrective Actions]

Remove paper from the Stacker.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedures in sequence to repair it.

OF-09 Common Job Fail

OF-06 IOT System Fail

024-917 Stacker Tray Staple Set Over Count

[Error Type]

Operation Error

[Fault Content]

Finisher Stacker Tray Set Set Over Count

[Detection Conditions]

The Staple Set Count exceeded 50 sets on the Stacker Tray during the Staple Set Eject operation.

[Corrective Actions]

Replace the Staple No Paper Sensor.

024-919 FaceUP Tray Close

[Error Type]

Operation Error

[Fault Content]

Face Up Tray Close

[Detection Conditions]

When output was sent to the Face Up Tray, the Face Up Tray was detected as closed. (This is not treated as an error in Jigen)

[Corrective Actions]

If the problem persists after opening the Face Up Tray Cover, replace the Face Up Tray Sensor or Face Up Cover.

024-920 Face Down Tray1 Paper FULL

[Error Type]

Operation Error

[Fault Content]

Face Down Tray1 Paper FULL

[Detection Conditions]

The paper output to the Face Down Tray 1 is full.

[Corrective Actions]

Clear the paper.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

OF-06 IOT System Fail

024-922 Face Down Tray2 Paper FULL**[Error Type]**

Operation Error

[Fault Content]

Face Down Tray2 Paper FULL

[Detection Conditions]

The paper output to the Face Down Tray 2 is full.

[Corrective Actions]

Clear the paper.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

OF-06 IOT System Fail

024-923 Operation Y Toner Empty**[Error Type]**

Operation Error

[Fault Content]

Operation Y Toner Empty

[Detection Conditions]

Printing cannot be continued was detected during color printing because Y toner has run out. Or, color printing was specified when printing cannot be continued because Y toner has run out.

[Corrective Actions]

Replace the appropriate Toner Cartridge.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

OF-06 IOT System Fail

024-924 Operation M Toner Empty**[Error Type]**

Operation Error

[Fault Content]

Operation M Toner Empty

[Detection Conditions]

Printing cannot be continued was detected during color printing because M toner has run out. Or, color printing was specified when printing cannot be continued because M toner has run out.

[Corrective Actions]

Replace the appropriate Toner Cartridge.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

OF-06 IOT System Fail

024-925 Operation C Toner Empty**[Error Type]**

Operation Error

[Fault Content]

Operation C Toner Empty

[Detection Conditions]

Printing cannot be continued was detected during color printing because C toner has run out. Or, color printing was specified when printing cannot be continued because C toner has run out.

[Corrective Actions]

Replace the appropriate Toner Cartridge.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

OF-06 IOT System Fail

024-926 Punch DustBox Miss Set**[Error Type]**

Operation Error

[Fault Content]

Finisher Punch Dust Box Miss Set

[Detection Conditions]

The system detected that the Punch Dust Box was not installed.

[Corrective Actions]

Install the Punch Dust Box.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-927 OCT Full Stack

[Error Type]

Operation Error

[Fault Content]

OCT Full Stack

[Detection Conditions]

The OCT Full Stack Sensor ON was detected for 5sec consecutively.

[Corrective Actions]

Remove paper from the OCT.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-928 Scratch Sheet Compile (A-Fin)

[Error Type]

Operation Fail

[Fault Content]

Scratch Sheet Compile (A-Fin)

[Detection Conditions]

When abnormal paper (Scratch Sheet), which is notified from the IOT via the Sheet Integrity command, was output to the Compiler

[Corrective Actions]

OF-09 Common Job Fail

024-929 Center Tray Full Stack

[Error Type]

Operation

[Fault Content]

Center Tray Full Stack

[Detection Conditions]

Full stack sensor keeps ON between sheets over the setting times

[Corrective Actions]

Remove the paper from the Center Tray.

024-930 Stacker Tray Full (LargeSize Full)

[Error Type]

Operation Error

[Fault Content]

Finisher Stacker Tray Full Stack

(LargeSize Full)

[Detection Conditions]

The Stack Encoder SNR has counted the specified number of sheets up to the Full Stack (Large Size).

[Corrective Actions]

Remove paper from the Stacker.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-931 Staple Dust Full

[Error Type]

Operation

[Fault Content]

Staple Full was detected.

[Detection Conditions]

1. After Staple Dust near Full, Staple Count is performed and the effective count is detected to have reached 5K.
2. Detected when the New Full Sensor did not turn ON even after the effective count has reached 20K after the Staple Dust Box removal is detected.

NOTE: The effective count is the count of Staple frequency for paper with sheet number less than 70.

[Corrective Actions]

Replace the Staple Dust Box. Check the output of Staple Dust Near Full Sensor. If not detected, check using NVM763-435~441.

024-932 Staple Box Set Fail

[Error Type]

Operation

[Fault Content]

It was detected that the Staple Box is not installed properly.

[Detection Conditions]

The Staple Box Set Sensor detected that Box does not exist.

[Corrective Actions]

Check installation of the Staple Dust Box.

Check the Staple Box Set Sensor ON output. If it is OK, replace the Sensor, harness.

024-933 Operation Y Drum End of Life**[Error Type]**

Operation

[Fault Content]

Operation Y Drum End of Life

[Detection Conditions]

During color printing, it was detected that printing cannot be continued because of Y Drum Life End.
Or, color printing was specified when printing cannot be continued because of Y Drum Life End.

[Corrective Actions]

Replace the Y Drum Cartridge.

If the problem persists, perform the following procedure:

OF-09 Common Job Fail

OF-06 IOT System Fail

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

024-934 Paper kind mismatch**[Error Type]**

Operation Error

[Fault Content]

Paper Type Mismatch

[Detection Conditions]

This error occurs when the paper fed is different from that specified in the Controller (Plain paper and Heavyweight cannot be recognized).

[Corrective Actions]

Load the specified transparencies.

If the problem persists after user actions, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-935 Tray1 Wrong Medium Type**[Error Type]**

Operation Error

[Fault Content]

Tray 1 Paper Type Mismatch

[Detection Conditions]

1. Transparencies are loaded when a non-transparencies job is performed.
2. Other paper is loaded when a Transparencies job is is performed
3. Transparencies with borders was detected.

Jam occurs when borders were detected by checking transparencies for borders (by the OHP Sensor) after feeding started.

[Corrective Actions]

Use Xerox transparencies without borders.

024-936 Tray2 Wrong Medium Type**[Error Type]**

Operation Error

[Fault Content]

Tray 2 Paper Type Mismatch

[Detection Conditions]

1. Transparencies are loaded when a non-transparencies job is performed.
2. Other paper is loaded when a Transparencies job is is performed
3. Transparencies with borders was detected.

Jam occurs when borders were detected by checking transparencies for borders (by the OHP Sensor) after feeding started.

[Corrective Actions]

Use Xerox transparencies without borders.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

024-937 Tray3 Wrong Medium Type**[Error Type]**

Operation Error

[Fault Content]

Tray 3 Paper Type Mismatch

[Detection Conditions]

1. Transparencies are loaded when a non-transparencies job is performed.
2. Other paper is loaded when a Transparencies job is is performed
3. Transparencies with borders was detected.

Jam occurs when borders were detected by checking transparencies for borders (by the OHP Sensor) after feeding started.

[Corrective Actions]

Use Xerox transparencies without borders.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

024-938 Tray4 Wrong Medium Type**[Error Type]**

Operation Error

[Fault Content]

BUTTON: Paper Type Mismatch

Transparencies With Borders Detected Tray 4

[Detection Conditions]

1. Transparencies are loaded when a non-transparencies job is performed.
2. Other paper is loaded when a Transparencies job is performed
3. Transparencies with borders was detected.

Jam occurs when borders were detected by checking transparencies for borders (by the OHP Sensor) after feeding started.

[Corrective Actions]

Use Xerox transparencies.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

024-939 OHP kind mismatch (Not white frame OHP)

[Error Type]

Operation Error

[Fault Content]

Paper Type Mismatch

The system is shut down (stop) if Transparencies with borders are detected regardless of the paper type setting in the Controller.

[Detection Conditions]

Transparencies are loaded when a non-transparencies job is performed.

Other paper is loaded when a Transparencies job is performed

Transparencies with borders was detected.

Jam occurs when borders were detected by checking transparencies for borders (by the OHP Sensor) after feeding started.

[Corrective Actions]

Use Xerox transparencies without borders.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-940 Folder Tray Out Of Place

[Error Type]

Operation Error

[Fault Content]

Folder Tray Out Of Place

[Detection Conditions]

Folder Tray Out Of Place

[Corrective Actions]

Set the Folder Tray again.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-941 Folder Tray Full Stack

[Error Type]

Operation Error

[Fault Content]

Folder Tray Full Stack

- Full detection/release by Full Sensor. (No Paper Sensor is not installed.)

[Detection Conditions]

Full Sensor of Folder Tray

[Corrective Actions]

Perform the following:

1. Press the Eject button for Tri-Fold paper to remove paper.
2. This failure is cleared and 024-988 occurs when the Tri-Fold paper output tray is pulled out.
3. Remove paper and install the Tri-Fold paper output tray to clear 024-988 and automatically continue the job.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-942 Booklet sheets counts over

[Error Type]

Operation Error

[Fault Content]

Booklet sheets exceeded

[Detection Conditions]

The no. of loaded sheets exceeded the maximum sheets for Booklet.

- Detected when printing starts
- When only one sheet is loaded, the system automatically cancel Binding setting only and output Bi-Fold paper.
- When only folding is specified, the system automatically fold paper by the number of available folding.

[Corrective Actions]

Select 'Enable Booklet per upper limit of Booklet sheets' or 'Disable Booklet'.

- If Booklet is performed in the unit of the upper limit of sheets, Signature imaging is also performed for that unit.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-943 Booklet Low Staple

[Error Type]

Operation Error

[Fault Content]

Booklet Low Staple

[Detection Conditions]

Staple needles for both Front and Rear are running low. Or, the Staple Cartridge was detected to be removed.

Copying is performed until the set is finished and the instruction to replace the Staple Cartridge is displayed.

[Corrective Actions]

Replace the Staple Cartridge.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-945 Booklet Full Stack**[Error Type]**

Operation Error

[Fault Content]

Booklet Tray Full Stack

[Detection Conditions]

The number of output copies to the Booklet Tray has reached the system data threshold.

[Corrective Actions]

Remove the paper.

If the problem persists, check the sensor using Generic Sensor Failure FIP.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

024-946 Tray 1 Out Of Place**[Error Type]**

Operation Error

[Fault Content]

Tray 1 Out Of Place

[Detection Conditions]

The system detected that Tray 1 was not installed.

[Corrective Actions]

Set the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-947 Tray 2 Out Of Place**[Error Type]**

Operation Error

[Fault Content]

Tray 2 Out Of Place

[Detection Conditions]

The system detected that Tray 2 was not installed.

[Corrective Actions]

Set the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-948 Tray 3 Out Of Place**[Error Type]**

Operation Error

[Fault Content]

Tray 3 Out Of Place

[Detection Conditions]

The system detected that Tray 3 was not installed.

[Corrective Actions]

Set the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-949 Tray 4 Out Of Place**[Error Type]**

Operation Error

[Fault Content]

Tray 4 Out Of Place

[Detection Conditions]

The system detected that Tray 4 was not installed.

[Corrective Actions]

Set the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-950 Tray 1 Empty

[Error Type]

Operation Error

[Fault Content]

Tray 1 Empty

[Detection Conditions]

No paper in Tray 1 is detected.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-951 Tray 2 Empty**[Error Type]**

Operation Error

[Fault Content]

Tray 2 Empty

[Detection Conditions]

No paper in Tray 2 is detected.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-952 Tray 3 Empty**[Error Type]**

Operation Error

[Fault Content]

Tray 3 Empty

[Detection Conditions]

No paper in Tray 3 is detected.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-953 Tray 4 Empty**[Error Type]**

Operation Error

[Fault Content]

Tray 4 Empty

[Detection Conditions]

No paper in Tray 4 is detected.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-954 Tray SMH Empty**[Error Type]**

Operation Error

[Fault Content]

Tray SMH Empty

[Detection Conditions]

No paper in the Bypass Tray is detected.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-955 Tray 6 Empty**[Error Type]**

Operation Error

[Fault Content]

Tray 6 Empty

[Detection Conditions]

No paper in Tray 6 is detected.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-956 Tray 7 Empty

[Error Type]

Operation Error

[Fault Content]

Tray 7 Empty

[Detection Conditions]

No paper in Tray 7 is detected.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-957 Interposer Empty**[Error Type]**

Operation Error

[Fault Content]

Interposer Empty

[Detection Conditions]

No paper in the Interposer Tray is detected.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-958 SMH size mismatch**[Error Type]**

Operation Error

[Fault Content]

Size Mismatch 1

SMH Size Mismatch

[Detection Conditions]

The paper size in the SMH tray and the paper size specified for printing are different.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-959 Tray1 size mismatch**[Error Type]**

Operation Error

[Fault Content]

(H4-1) Size Mismatch

Tray 1 Size Mismatch

[Detection Conditions]

The paper size in Tray 1 and the paper size specified for printing are different.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-960 Tray2 size mismatch**[Error Type]**

Operation Error

[Fault Content]

(H4-2) Size Mismatch

Tray 2 Size Mismatch

[Detection Conditions]

The paper size in Tray 2 and the paper size specified for printing are different.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-961 Tray3 size mismatch**[Error Type]**

Operation Error

[Fault Content]

(H4-3) Size Mismatch

Tray 3 Size Mismatch

[Detection Conditions]

The paper size in Tray 3 and the paper size specified for printing are different.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-962 Tray4 size mismatch

[Error Type]

Operation Error

[Fault Content]

(H4-4) Size Mismatch

Tray 4 Size Mismatch

[Detection Conditions]

The paper size in Tray 4 and the paper size specified for printing are different.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-963 Finisher Punch DustBox FULL

[Error Type]

operation

[Fault Content]

Finisher Punch DustBox FULL

[Detection Conditions]

The number of chads has become equal to or over the number that makes the Punch Dust Box full.

[Corrective Actions]

Remove the chads.

If the problem persists, perform the following:

OF-09 Common Job Fail

024-965 ATS/APS No Paper (IOTsc detect)

[Error Type]

Operation Error

[Fault Content]

ATS/APS No Paper

APS/ATS NG (No Paper)

[Detection Conditions]

The paper specified for printing is not loaded in the tray.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

024-966 ATS/APS No Destination Error

[Error Type]

Operation Error

[Fault Content]

ATS/APS No Destination Error

ATS/APS NG (Other than No Paper)

[Detection Conditions]

The paper specified for printing cannot be detected.

[Corrective Actions]

Change the settings. Or, replace the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-967 Different width Mix Paper detect (Stapler job)

[Error Type]

Operation Error

[Fault Content]

Mixed Width was detected with the settings only available for stapling the same widths.

[Detection Conditions]

Mixed Width was detected with the settings only available for stapling the same widths.

[Corrective Actions]

Cancel User Staple.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-968 Stapler/Punch Batting

[Error Type]

Operation Error

[Fault Content]

Batting of Staple and Punch (Occurs in FCW-UI only)

[Detection Conditions]

The Staple and Punch positions were batting.

[Corrective Actions]

Cancel Staple, Punch, or both.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-969 Different width Mix Punch

[Error Type]

Operation Error

[Fault Content]

Mixed Size Punch

[Detection Conditions]

Paper with different widths was detected during printing in the Punch mode.

[Corrective Actions]

Copy: Cancel Punch mode (user intervention)

Printer: Cancel Punch mode (auto cancelation)

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-970 Tray 6 Out Of Place

[Error Type]

Operation Error

[Fault Content]

Tray 6 Out Of Place

[Detection Conditions]

The system detected that Tray 6 was not installed.

[Corrective Actions]

Set the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-971 Tray 7 Out Of Place

[Error Type]

Operation Error

[Fault Content]

Tray 7 Out Of Place

[Detection Conditions]

The system detected that Tray 7 was not installed.

[Corrective Actions]

Set the tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-972 Tray6 size mismatch

[Error Type]

Operation Error

[Fault Content]

Comm: Size Mismatch (Tray 6 Size Mismatch)

[Detection Conditions]

The paper size in Tray 6 and the paper size specified for printing are different.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-973 Tray7 size mismatch

[Error Type]

Operation Error

[Fault Content]

Size Mismatch (Tray 7 Size Mismatch)

[Detection Conditions]

The paper size in Tray 7 and the paper size specified for printing are different.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-974 Interposer Tray Size Mismatch

[Error Type]

Operation Error

[Fault Content]

Interposer Tray Size Mismatch

[Detection Conditions]

The paper size specified for feeding from the Interposer and the tray size are different.

[Corrective Actions]

Add paper into the appropriate tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-975 Copy Booklet sheets counts over

[Error Type]

Operation Error

[Fault Content]

No. of Booklet sheets exceeded. (Occurs at the process with no images)

[Detection Conditions]

Detected when printing starts

No images for Signature, or the no. of loaded sheets for Printer printing exceeded the maximum sheets for Booklet.

- When only one sheet is loaded, the system automatically cancel Binding setting only and output Tri-Fold paper.
- When only folding is specified, the system automatically fold paper by the number of available folding.

Since the Driver performs the image processing for Print Service, the machine performs operations without images.

Since the job is canceled when this failure is detected, only the message indicating that the job has been canceled is displayed.

[Corrective Actions]

Copy: Cancel Booklet (user intervention)

Printer: Cancel Booklet mode (auto cancelation)

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-976 Finisher Staple Status NG

[Error Type]

Operation Error

[Fault Content]

Finisher Staple Status NG

[Detection Conditions]

After the Staple Mot started forward rotation, the Staple Home SNR did not turn ON within 450ms, and after the Staple Mot started reverse rotation, the Stapler Head Home SNR turned ON within 200ms.

[Corrective Actions]

Check for Staple needles and reload them correctly.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-977 Stapler Feed Ready Fail

[Error Type]

Operation Error

[Fault Content]

Stapler Feed Ready Fail

[Detection Conditions]

1. Staple Ready SNR=OFF when Staple starts, 2. 13 times or less of stapling operation*

[Corrective Actions]

Check for Staple needles and reload them correctly.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-978 Booklet Stapler NG

[Error Type]

Operation Error

[Fault Content]

Booklet Stapler NG

[Detection Conditions]

Ready signal remains Not Ready when the specified time has passed since Booklet Staple operation has begun.

[Corrective Actions]

Check for Staple needles and reload them correctly.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-979 Stapler Near Empty

[Error Type]

Operation Error

[Fault Content]

Staple Needle Near Empty, or Staple Needle Feed Failure
(Treat as Empty)

[Detection Conditions]

Staple Needle Near Empty or Staple Needle Feed Failure was detected.

[Corrective Actions]

Check for Staple needles and reload them correctly.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-980 Finisher Stacker Tray Full

[Error Type]

Operation Error

[Fault Content]

Finisher Stacker Tray Full Stack

[Detection Conditions]

APC4300G##

[When the B-Fin is installed] & [When the C-Fin/D-Fin is installed w/ Booklet]

This occurs with 'Any Output Sizes'.

[When the C-Fin is installed w/ Booklet]

The Stack Encoder SNR has counted up to the number of sheet that is defined as Full Stack (Large Size).

The Stack Encoder SNR has counted up to the number of sheet that is defined as Full Stack (Small Size).

Other than APC4300G#

(C-Fin/D-Fin) When any of the followings is met:

- Small size paper full was detected during the Stacker Tray height alignment operation (downward movement)
- Half was detected at the Stacker Tray height alignment operation (downward movement) during paper eject corresponding to Half Limit
- Large Size Paper was ejected while the system already detected Large Size Paper Full (Half).

(A-Fin/B-Fin) When any of the followings is met:

- At power ON, the Stacker Height Snr detected the height and the Full Position.
- During small size paper output, Full Position was detected during the Stacker Tray height alignment operation (downward movement).
- During large size paper output, Half Position (Full Position for large size paper) was detected during the Stacker Tray height alignment operation (downward movement).
- Paper for Half Limit (large size paper) was ejected while the system has already detected the Half Position (Full Position for large size paper).

[Corrective Actions]

Remove paper from the Stacker.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-981 Finisher TopTray Full**[Error Type]**

Operation Error

[Fault Content]

Finisher Top Tray Paper Full

[Detection Conditions]

Finisher Top Tray Paper Full was detected.

[Corrective Actions]

Remove paper from the Finisher Top Tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-982 Stacker Lower Safety warning**[Error Type]**

Operation Error

[Fault Content]

Finisher Stacker Tray Lower Safety

[Detection Conditions]

Stacker Tray Lower Safety SW ON was detected.

Height adjustment did not end within 250msec during Stacker Tray height adjustment for paper output.

Stacker Height SNR1 OFF was not detected three times sequentially within 500ms after it had started to descend.

[Corrective Actions]

Remove paper from the Stacker.

Remove obstacles from the Stacker.

1. The Stacker obstacles is detected.
2. The system stops after the last sheet of the set is output in the Staple mode. The system stops after the scheduled paper is output in the Staple OFF mode.

After that, the system prohibits use of the Stacker.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-983 Booklet Tray Full**[Error Type]**

Operation Error

[Fault Content]

Booklet Tray Full was detected.

[Detection Conditions]

Booklet Tray Full was detected.

[Corrective Actions]

Remove paper from the Booklet Tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-984 Booklet Low Staple F

[Error Type]

Operation Error

[Fault Content]

Booklet Low Staple F

[Detection Conditions]

1. Booklet Stapler Low Staple F signal ON was detected just before Stapling operation.
2. Booklet Stapler Low Staple F signal was detected at Power ON, at initialization, or when the interlock was closed.

[Corrective Actions]

Replace the staple cartridge for Booklet.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-985 SMH Stop check

[Error Type]

Notice Error

[Fault Content]

SMH Pause Check

[Detection Conditions]

The SMH Tray stopped running due to an obstruction.

[Corrective Actions]

Check the paper size/paper orientation/paper type settings and press the Eject/Set key.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-987 Envelop Folder Tray Full

[Error Type]

Operation Error

[Fault Content]

Envelope Folder Tray Full

[Detection Conditions]

The specified number of sheets was output after Envelope Tray Near Full had been detected.

[Corrective Actions]

Remove paper from the Envelope Folder Tray.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-988 Envelop Folder Tray Set Fail

[Error Type]

Operation Error

[Fault Content]

Envelop Folder Tray Set Fail

[Detection Conditions]

Monitor the Envelop Tray Set SNR in the interval of 100msec and detect OFF 10 times sequentially.

[Corrective Actions]

Set the Envelop Folder Tray properly.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-989 Booklet Low Staple R

[Error Type]

Operation Error

[Fault Content]

Booklet Low Staple R

[Detection Conditions]

1. Booklet Stapler Low Staple R signal ON was detected just before Stapling operation.
2. Booklet Stapler Low Staple R signal was detected at Power ON, at initialization, or when the interlock was closed.

[Corrective Actions]

Check for Staple needles and reload them correctly.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

024-990 Punch Dust Full

[Error Type]

Operation Error

[Fault Content]

Punch Dust Full

[Detection Conditions]

Punch Dust Box Full is detected

[Corrective Actions]

Clear the Punch Dust scrap.

If the problem persists, check the sensor using the Generic Sensor Failure FIP.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

025-596 Diag HDD Mentenance Fail

[Error Type]

Job Fail

[Fault Content]

An NG occurred when HDD Fail Forecast of Diagnostics was executed.

[Detection Conditions]

An NG occurred when HDD Fail Forecast of Diagnostics was executed.

[Corrective Actions]

Perform the following:

1. Pull out and insert the HDD Harness.
2. Replace the HDD.

025-597 Diag HDD Initialize Fail

[Error Type]

Job Fail

[Fault Content]

An error occurred when HDD initialization of Diagnostics was executed.

[Detection Conditions]

An error occurred when HDD initialization of Diagnostics was executed.

[Corrective Actions]

Perform the following:

1. Pull out and insert the HDD Harness.
2. Replace the HDD.

026-400 Exceed the number of connection of USB Host Fail

[Error Type]

Info

[Fault Content]

Failure because the USB Host Port maximum connection has been exceeded

[Detection Conditions]

The number of machines that are connected to the USB Host Port of this machine has exceeded the maximum permissible number of connections.

[Corrective Actions]

Disconnect some of the machines that are connected to this USB Host Port and ensure that the number of connected machines are below the maximum permissible number of connections.

If the USB Host connected machine is still not operating correctly after the above error has been resolved, turn the power OFF then ON.

026-700 LDAP protocol MAX error

[Error Type]

Job

[Fault Content]

An undefined LDAP protocol was detected during address book operation.

[Detection Conditions]

It was detected that the error response returned from the server does not exist in the LDAP protocol definitions.

[Corrective Actions]

The server uses an undefined LDAP protocol that is not supported by the machine.

Perform the following in sequence.

1. Get the procedures for reproducing an error according to the operation that was performed when the error occurred.
2. Check whether the Controller ROM is the latest version. If not, upgrade it to the latest.
3. If the problem still persists, obtain the 'info9 or xxx.tgz' log immediately after the error occurred, without turning the power OFF then ON.

This is caused by mistakes in server settings or client operation. Contact the Support Department and do not replace the ESS-PWB.

026-701 Adress Book request overflow

[Error Type]

Job

[Fault Content]

Address Book Query Overflow

[Detection Conditions]

The software in the machine was subjected to a large amount of simultaneous address queries from multiple machine panel and Web UI input devices. The processing capacity of the JRM directory service has been exceeded.

[Corrective Actions]

When performing simultaneous queries on the Address Book in the machine from multiple machine panel and Web UI input devices, lower the query interval.

If the problem persists, perform the following procedure:

1. Check whether the Controller ROM is the latest version. If not, upgrade it to the latest.
2. If the problem still persists, obtain the 'info9 or xxx.tgz' log immediately after the error occurred, without turning the power OFF then ON.

Contact the Support Department and do not replace the ESS-PWB.

026-702 Adress Book directory service overflow

[Error Type]

Job

[Fault Content]

Address Book Directory Service Overflow

[Detection Conditions]

The JRM Directory Service, which is an internal software of the machine, has simultaneously received two or more requests for the same operation.

[Corrective Actions]

1. Check whether the Controller ROM is the latest version. If not, upgrade it to the latest.
2. If the problem still persists, obtain the 'info9 or xxx.tgz' log immediately after the error occurred, without turning the power OFF then ON.

Contact the Support Department and do not replace the ESS-PWB.

026-703 Abort with Logout

[Error Type]

job

[Fault Content]

At installation of additional document, authentication is already cancelled.

[Detection Conditions]

When in Fax or Scan services, authentication is cancelled at additional document loading, the job will be aborted.

'At additional document loading' mentioned here means:

1. When a request to add documents is made (at the end of scanning: Platen: every sheet; DADF: every time a document or documents are installed)
2. When the job is continued with the next document existing.

[Corrective Actions]

Make it impossible for authentication to be cancelled at additional document loading.

026-704 DocuWorks Error**[Error Type]**

job

[Fault Content]

XDW Error

[Detection Conditions]

In process of operating DocuWorks Decomposer, there has occurred: a syntax error, use of an undefined command, a parameter error, damage to DocuWorks File, or an internal error of DocuWorks Decomposer.

[Corrective Actions]

Print from DocuWorks Viewer by use of Printer Driver (ART-EX, PCL, etc.).

026-705 DocuWorks Short of Memory**[Error Type]**

job

[Fault Content]

XDW Short of Memory

[Detection Conditions]

In process of operating DocuWorks Decomposer, lack of memory has been detected.

[Corrective Actions]

Change print mode from 'High Resolution' to 'Standard' or from 'Standard' to 'High Speed'. If the problem still occurs, add another memory. If the problem persists though the memory has added up to the maximum, print from DocuWorks Viewer by use of Printer Driver (ART-EX, PCL, etc.).

026-706 DocuWorks Print Prohibited**[Error Type]**

job

[Fault Content]

XDW Print Prohibited

[Detection Conditions]

DocuWorks Decomposer has processed a DocuWorks document printing of which is prohibited.

[Corrective Actions]

As this is a document printing of which is prohibited, enter 'Full Access Password,' etc. from DocuWorks Viewer and disable 'printing prohibited' and then print it using Printer Driver (ART-EX, PCL, etc.).

026-707 DocuWorks Unlock Failed**[Error Type]**

job

[Fault Content]

XDW Unlock Failed

[Detection Conditions]

In the processing of a security-protected DocuWorks file, either of the password set on the UI panel and the XPJL-specified password (set in ContentsBridge Utility) does not match.

[Corrective Actions]

1. As the default password set on the device or the password entered for printing through ContentsBridgeUtility is incorrect, enter the correct password.
2. Enter 'Full Access Password,' etc. from DocuWorks Viewer and disable 'printing prohibited' and then print it using Printer Driver (ART-EX, PCL, etc.).

026-708 URL data size over**[Error Type]**

job

[Fault Content]

ScanToURL accumulated data size over

[Detection Conditions]

The size of a ScanToURL job has exceeded the upper limit of the size of scanned data per job that can be accumulated.

[Corrective Actions]

1. Reduce the resolution level (scanned-image quality), which is a scan parameter, and rerun the job.
2. Reduce the zoom ratio of the image, which is a scan parameter, and rerun the job. (A3->A4, etc.)
3. If 'Max File Accumulated Data Size' is set to a small value, change it to a larger one.

If the problem still persists, collect the pfshowinfo9 log immediately after the occurrence of the problem and contact the support division for directions.

2.5.1 LOG

026-709 URL hdd full**[Error Type]**

job

[Fault Content]

The HDD is full of ScanToURL accumulated data.

[Detection Conditions]

The HDD partition for accumulated ScanToURL data has become full, causing the job to fail.

[Corrective Actions]

Wait for some time (approx. one day) until an automatic deletion of documents makes some space available, and then rerun the job.

If the problem still persists, collect the pfshowinfo9 log immediately after the occurrence of the problem and contact the support division for directions.

2.5.1 LOG

026-710 S/MIME unsupported cipher decrypt fail

[Error Type]

job

[Fault Content]

S/MIME unsupported cipher decrypt fail

[Detection Conditions]

The device has received a S/MIME encrypted mail that is encrypted by an unsupported encryption method.

[Corrective Actions]

1. Ask the sender of the S/MIME encrypted mail to encrypt the mail by the encryption method (3DES) and send it.
2. Set FIPS140 Authentication Mode of the device to OFF.

If the problem persists, go to the following and solve it.

2.4.1 Interface(Physical/Logical)

2.4.3 Nothing appears. Not printed.

2.4.5 Network Related Details Check Flow 2.5.1 LOG

026-711 Multi-page file size over

[Error Type]

job

[Fault Content]

Multi-page file size over

[Detection Conditions]

The upper limit size of the multi-page file format generated in scan service has been exceeded.

The upper limit of the file size of each multi-page file is defined as follows:

TIFF:2GB-1byte

XPS :2GB-1byte

PDF :2GB-1byte

XDW :1GB

(1GB = 1024x1024x1024 = 2³⁰ byte)

[Corrective Actions]

1. Reduce the resolution level (scanned-image quality), which is a scan parameter, and rerun the job.
2. Reduce the number of documents and rerun the job.

If the problem still persists, collect the pfshowinfo9 log immediately after the occurrence of the problem and contact the support division for directions.

2.5.1 LOG

026-712 HTTP out job overlap error

[Error Type]

job

[Fault Content]

An error has occurred in taking out a mailbox document because of the running of a parameter that cannot be run simultaneously in CWIS.

[Detection Conditions]

The high compression/OCR processing module has detected that a job that specifies high compression/OCR processing and is to be taken out using HTTP has started while another job to be sent via the network is undergoing high compression/OCR processing.

[Corrective Actions]

As a job specifying high compression/OCR processing is in progress, wait until the job is complete and then operate the device again.

026-713 Couldnt detect proxy server automatically.

[Error Type]

job

[Fault Content]

Auto detection of the proxyhas failed.

[Detection Conditions]

The proxy server could not be detected automatically.

When the proxy server is not manually set up, an automatic attempt is made to obtain the proxy server setting from the DHCP server. However, the attempt has failed.

For the details, see below:

- The contents of the obtained PAC file have a problem. (An error occurred during the running of JavaScript.)
- The PAC file could not be obtained. (Timeout/Connection error)
- The PAC file could not be obtained. (No PAC file/Too large file)
- PAC File URL info could not be obtained. (Timeout)
- PAC File URL info could not be obtained. (No URL is included in the response to the inquiry.)

[Corrective Actions]

Check the following:

- the default Gateway setting
- the subnet mask setting
- the DNS Server address setting

If despite the confirmation of the above settings, the situation has not improved, contact the network administrator for advice because there is a possibility of a network failure, DHCP Server failure, or an improper DHCP Server setting. (For example, if the DHCP Server is not set up in the way that allows it to give back the proxy server address, an error of this code will occur.)

The Network Environment check items are as follows:

- The HTTP server that provides the PAC file (CFILE) is operating normally, or the server can be reached on the network.
- The contents of the PAC file have no mistakes in syntax or selected server address, or the file size is 64KB or less.

- The DHCP server that has an entry of CURL info is operating normally, or the server can be reached on the network.

When after the implementation of the corrective actions, the machine has established normal communication with the Xerox Communication Server, the fault will be cleared.

If the network is normal but the situation has not improved, collect the pfshowinfo9 log and network log immediately after the occurrence of the problem and contact the support division for directions.

2.5.1 Log Collection/Extraction Tool Functional Description

026-714 Couldnt connect to Xerox server or proxy.

[Error Type]

job

[Fault Content]

Network error

[Detection Conditions]

The machine could not connect to the Xerox Communication Server or the proxy server.

(A network path problem, an open wire, etc.)

[Corrective Actions]

Check the following:

- the connection of the LAN Cable
- the IP Address setting
- the default Gateway setting
- the subnet mask setting
- the DNS Server address setting
- the proxy server address setting

If despite the confirmation of the above settings, the situation has not improved, contact the network administrator for advice because there is a possibility of a network failure.

When after the implementation of the corrective actions, the machine has established normal communication with the Xerox Communication Server, the fault will be cleared.

If the network is normal but the situation has not improved, collect the pfshowinfo9 log and network log immediately after the occurrence of the problem and contact the support division for directions.

2.5.1 Log Collection/Extraction Tool Functional Description

026-715 Connection to Xerox server has timed out.

[Error Type]

job

[Fault Content]

No response from the server

[Detection Conditions]

There is no response from the Xerox Communication Server for a certain period of time, resulting in a timeout.

[Corrective Actions]

Turn the power OFF then ON.

When after the implementation of the corrective action, the machine has established normal communication with the Xerox Communication Server, the fault will be cleared.

If the situation has not improved, collect the pfshowinfo9 log and network log immediately after the occurrence of the problem and contact the support division for directions.

2.5.1 Log Collection/Extraction Tool Functional Description

026-716 An invalid state message received from server.

[Error Type]

job

[Fault Content]

A server error is detected.

[Detection Conditions]

The Xerox Communication Server has responded with a message indicating an abnormal condition.

[Corrective Actions]

Turn the power OFF then ON.

When after the implementation of the corrective action, the machine has established normal communication with the Xerox Communication Server, the fault will be cleared.

If the situation has not improved, collect the pfshowinfo9 log and network log immediately after the occurrence of the problem and contact the support division for directions.

2.5.1 Log Collection/Extraction Tool Functional Description

026-717 Invalid network settings were found.

[Error Type]

job

[Fault Content]

Setting error

[Detection Conditions]

An invalid or improper network setting has prevented the machine from communicating.

[Corrective Actions]

Check the following:

- the IP Address setting
- the default Gateway setting
- the subnet mask setting
- the DNS Server address setting
- the proxy server address setting
- the Xerox Communication Server URL setting
- Set 'Verify the remote server certificate' to 'OFF'.

If despite the confirmation of the above settings, the situation has not improved, contact the customer network administrator because there is a possibility of a network failure.

When after the implementation of the corrective actions, the machine has established normal communication with the Xerox Communication Server, the fault will be cleared.

If the network is normal but the situation has not improved, collect the pfshowinfo9 log and network log immediately after the occurrence of the problem and contact the support division for directions.

2.5.1 Log Collection/Extraction Tool Functional Description

026-718 PS Print Instruction Fail

[Error Type]

job

[Fault Content]

An erroneous combination of PostScript print instructions (finishing, paper size, paper tray, Duplex instructions, output tray)

[Detection Conditions]

An erroneous combination of print parameters selected (finishing, paper size, paper tray, Duplex instructions, output tray) prevents the device from running the job.

[Corrective Actions]

As to finishing, paper size, paper tray, Duplex instructions, output tray, etc., make reselections and run the job.

If the problem persists, go to the following and solve it.

OF-09 Common Job Fail

2.4.4 Printed but not properly

2.4.5 Network Related Details Check Flow

026-719 Internal error in Scan

[Error Type]

job

[Fault Content]

An error internal to software (during job)

[Detection Conditions]

An internal error has occurred.

[Corrective Actions]

Retry the same operation.

If the problem still persists, obtain the pfshowinfo9 log immediately after the problem occurs, following 2.5.1 Log Collection/Extraction Tool Functional Description, and contact the support division for directions.

2.5.1 Log Collection/Extraction Tool Functional Description

026-720 Media full

[Error Type]

job

[Fault Content]

Media Space Full error (during job)

[Detection Conditions]

The media does not have enough space available.

[Corrective Actions]

Check the media where scanned documents will be sent for available space.

If the problem persists, obtain the pfshowinfo9 log immediately after the problem occurs, following 2.5.1 Log Collection/Extraction Tool Functional Description, and contact the support division for directions.

2.5.1 Log Collection/Extraction Tool Functional Description

026-721 Media access fail

[Error Type]

job

[Fault Content]

Media Access Error (during job)

[Detection Conditions]

An attempt to access media has failed for some reason.

[Corrective Actions]

Perform the following in order:

1. Check that the media exists where scanned documents will be sent.
2. Check that the PC can access the media where scanned documents will be sent.
3. Check that a file can be created in a specified storage.

If the problem persists, obtain the pfshowinfo9 log immediately after the problem occurs, following 2.5.1 Log Collection/Extraction Tool Functional Description, and contact the support division for directions.

2.5.1 Log Collection/Extraction Tool Functional Description

026-722 Media format fail

[Error Type]

job

[Fault Content]

Media Not Formatted error

Note: Unsupported Formats are included.

(during job)

[Detection Conditions]

The Media is not formatted.

[Corrective Actions]

Check that the media where scanned documents will be sent is formatted.

If the problem persists, obtain the pfshowinfo9 log immediately after the problem occurs, following 2.5.1 Log Collection/Extraction Tool Functional Description, and contact the support division for directions.

2.5.1 Log Collection/Extraction Tool Functional Description

026-723 Media access fail

[Error Type]

job

[Fault Content]

Media Access Error

(Occurs when no job is in progress.)

NOTE: On DMP2009-2 or later, this is used as an error during media browsing.

[Detection Conditions]

An attempt to access media has failed for some reason.

[Corrective Actions]

Perform the following in order:

1. Check that the media is neither removed nor reinserted while being referred to or that during that time, another media is not inserted.
2. Check that the PC can access any file in the media.

If the problem persists, obtain the pfshowinfo9 log immediately after the problem occurs, following 2.5.1 Log Collection/Extraction Tool Functional Description, and contact the support division for directions.

2.5.1 Log Collection/Extraction Tool Functional Description

026-724 Remote Download file size error

[Error Type]

job

[Fault Content]

Remote Download File Size Error

[Detection Conditions]

The size of the Remote Download File reported from the EP center is different from that of the actually downloaded file.

[Corrective Actions]

It is necessary to check the size of the file registered with the EP center and the size stored in the SW repository. Contact the support division for directions.

026-725 Remote Download file checksum error

[Error Type]

job

[Fault Content]

Remote Download File Checksum Error

[Detection Conditions]

The checksum of the Remote Download File reported from the EP center does not match that of the downloaded file.

[Corrective Actions]

It is necessary to check that the checksum registered with the EP center is the same as that stored in the SW repository. Contact the support division for directions.

026-726 Options inconsistent

[Error Type]

job

[Fault Content]

XPJL detects a mismatch in device configuration information.

[Detection Conditions]

The device configuration info included in XPJL does not match the actual configuration.

[Corrective Actions]

Set up the device configuration info on the printer driver screen so that it can match the actual configuration.

026-727 Media filepath fail

[Error Type]

Job

[Fault Content]

Media filepath fail

[Detection Conditions]

The storage path with the specified character string length (including the filename) cannot be created in the media.

[Corrective Actions]

Shorten the specified storage location or the filename. If the problem persists, perform the following procedure to repair the problem. If the problem still persists, obtain the pfshowinfo9 log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

026-728 WSD Scan Network Access Fail

[Error Type]

job

[Fault Content]

WSD Scan Network Access Fail

[Detection Conditions]

An error occurred during communication with WSD Scan Client.
WSD Scan Client cancelled its job.

[Corrective Actions]

Check the following:

1. Check if the destination WSD Scan Client is ready to communicate with this machine via network.
For example, check the following:
 - Network Cable connectionIf the problem persists, collect PfShowInfo 8 log at its occurrence and contact the support department for directions.
2.5.1 Description of Log Collection & Extraction Tool Function

026-729 WSD Scan Data Transfer Fail

[Error Type]

Job

[Fault Content]

WSD Scan Data Transfer Fail

[Detection Conditions]

An error has occurred during the communication with the WSD Scan Client.
The Job was canceled from the WSD Scan Client.
A Scan with Feeder (DADF) specification was performed from an application other than [Windows Fax & Scan].

[Corrective Actions]

Check the following:

1. Check whether the transfer destination WSD Scan Client and the Main Unit is able to communicate via the network. For example, check the following:
 - Check whether the WSD Scan Client has enough free capacity.
 - Check the connection of the Network Cable.
2. When using Feeder (DADF) specification, perform the Scan using [Windows Fax & Scan]. Or, change to the Flatbed (Platen) specification to perform the Scan.
If the problem persists, obtain the PfShowInfo 8 log immediately after the problem has occurred and contact the Support Department for instructions.
2.5.1 Logging/Extraction Tool Function Explanation

026-730 Can't Detect Paper Size Of Specified Tray

[Error Type]

info

[Fault Content]

The paper size of the paper tray selected is unknown.

[Detection Conditions]

The paper size of the paper tray selected is unknown.

[Corrective Actions]

Before running the print job, check the position of the guides to the paper tray selected.

026-731 P JL PIN Number Fail

[Fault Name]

P JL PIN Number Fail

[Error Type]

Job Fail

[Fault Content]

Wrong PIN number is detected in the data for P JL Diag.

[Detection Conditions]

The PIN number that is specified by P JL command is different from the number that is calculated from the machine's serial number using [PIN Code Calculation Function].

[Corrective Actions]

Correct the PIN number that is specified by P JL Command and try again.

026-732 P JL Printcount Range Over Fail

[Fault Name]

P JL Printcount Range Over Fail

[Error Type]

Job Fail

[Fault Content]

Out of range printcount is detected in the data for P JL Diag.

[Detection Conditions]

The printcount that is specified by P JL Command has exceeded the machine's Total Impression Meter value by +100.

[Corrective Actions]

Correct the printcount that is specified by P JL Command and try again.

026-733 P JL Password Fail

[Fault Name]

P JL Password Fail

[Error Type]

Job Fail

[Fault Content]

Wrong password is detected in the data for P JL Diag.

[Detection Conditions]

The password that is specified by P JL Command is different from the one that is set in the machine.

[Corrective Actions]

Correct the password that is specified by PjL Command and try again.

026-734 Can not change to the PJLDIAG MODE**[Fault Name]**

Can not change to the PJLDIAG MODE

[Error Type]

Job Fail

[Fault Content]

Unable to transition to the PjL Diag Mode.

[Detection Conditions]

The machine did not transit to PjL Diag Mode because it detected 'User Operation in Progress'. (The machine remains in the 'User Operation in Progress' state for 1 minute after panel operation was completed)

[Corrective Actions]

- Make sure that the job has completed and then try again. Check that the 'Communicating' LED is OFF.
- After completing a panel operation, wait for 1 minute or longer before starting the download operation.

026-735 Authentication Makes Waiting Print Jobs Deleted**[Fault Name]**

Authentication Makes Waiting Print Jobs Deleted

[Error Type]

Job

[Fault Content]

When an authentication was successful and there are paused Print Jobs, all those Jobs including any that is waiting in the queue get deleted.

[Detection Conditions]

When there are paused jobs during the successful completion of an authentication.

[Corrective Actions]

None

026-736 Internal Error in HTTP upload**[Fault Name]**

Internal Error in HTTP upload

[Error Type]

Job

[Fault Content]

HTTP Upload Internal Error

[Detection Conditions]

Internal error is detected during execution of HTTP Scan Upload jobs.

[Corrective Actions]

Repeat the operation.

If problem persists, immediately after problem appears, obtain the [PfShowInfo 8 Log] and [Network Packet], and contact the Support Department.

2.5.1 Explanation of Log Collection/Retrieval Tool Feature

026-737 Network Error**[Fault Name]**

Network Error

[Error Type]

Job

[Fault Content]

Network Error

[Detection Conditions]

Network error is detected during HTTP Scan Upload.

[Corrective Actions]

Check network environment and server.

If problem persists, immediately after problem appears, obtain the [PfShowInfo 8 Log] and [Network Packet], and contact the Support Department.

2.5.1 Explanation of Log Collection/Retrieval Tool Feature

026-738 Browser close during job**[Fault Name]**

Browser close during job

[Error Type]

Job

[Fault Content]

Browser close during job

[Detection Conditions]

Browser closes during HTTP Scan Upload jobs.

[Corrective Actions]

Repeat the operation.

027-400 Net Off Line

[Error Type]

Info

[Fault Content]

Net Off Line

[Detection Conditions]

1. Communication is not available due to other failures.
2. Communication is not available because panel operation is in progress (especially in the CE mode).
3. Communication is not available because a third party is using remote access.

[Corrective Actions]

Clear any failure that is indicated by other displayed messages. If the panel operation is in progress, complete it. If somebody is in remote access, wait for the access to end.

If the problem persists, turn the power OFF then ON.

Perform the following.

2.4.3 No Output. No Printout.

2.4.5 Network-related details check flow.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

027-442 Duplicat IP address

[Error Type]

Info

[Fault Content]

IPv6 - Stateless Auto Setting IP Address 1 is Duplicated

[Detection Conditions]

Another device with the same IP address as IPv6 'Stateless Auto Setting Address 1' that is set in this machine exists in the network.

Bit 0 Duplicated address at autoConfInet6Address[0] of PFRID_IPV6_PROT_AUTO.

When 027-442~027-447 occur simultaneously, the smaller link number is displayed first.

[Corrective Actions]

Either change the IPv6 'Stateless Auto Setting Address 1' of this device or the IPv6 address of the other device on the network.

If the problem persists, perform the following procedure:

1. Check that the IPv6 address that was set by Stateless Address Auto Setting is not being used by other devices.
2. Collect failure analysis log and packets.
 - 2.4.1 Interface (Physical/Logical)
 - 2.4.3 No Output. No Printout.
 - 2.4.5 Network-Related Details Check Flow
- 2.5.1 Log collection/extraction tool function explanation

027-443 DNS renewal failure of dynamic

[Error Type]

Info

[Fault Content]

IPv6 - Stateless Auto Setting IP Address 2 is Duplicated

[Detection Conditions]

Another device with the same IP address as 'Stateless Auto Setting Address 2' that is set in this machine exists in the network.

Bit 1 Duplicated address at autoConfInet6Address[1] of PFRID_IPV6_PROT_AUTO.

When 027-442~027-447 occur simultaneously, the smaller link number is displayed first.

[Corrective Actions]

Either change the IPv6 'Stateless Auto Setting Address 2' of this device or the IPv6 address of the other device on the network.

If the problem persists, perform the following procedure:

1. Check that the IPv6 address that was set by Stateless Address Auto Setting is not being used by other devices.
2. Collect failure analysis log and packets.
 - 2.4.1 Interface (Physical/Logical)
 - 2.4.3 No Output. No Printout.
 - 2.4.5 Network-Related Details Check Flow
- 2.5.1 Log collection/extraction tool function explanation

027-444 Duplicat IP address

[Error Type]

Info

[Fault Content]

IPv6 - Stateless Auto Setting IP Address 3 is Duplicated

[Detection Conditions]

Another device with the same IP address as IPv6 'Stateless Auto Setting Address 3' that is set in this machine exists in the network.

Bit 2 Duplicated address at autoConfInet6Address[2] of PFRID_IPV6_PROT_AUTO.

When 027-442~027-447 occur simultaneously, the smaller link number is displayed first.

[Corrective Actions]

Either change the IPv6 'Stateless Auto Setting Address 3' of this device or the IPv6 address of the other device on the network.

If the problem persists, perform the following procedure:

1. Check that the IPv6 address that was set by Stateless Address Auto Setting is not being used by other devices.
2. Collect failure analysis log and packets.
 - 2.4.1 Interface (Physical/Logical)

- 2.4.3 No Output. No Printout.
- 2.4.5 Network-Related Details Check Flow
- 2.5.1 Log collection/extraction tool function explanation

027-445 Illegal IP address

[Error Type]

Info

[Fault Content]

IPv6 - Manually Set IP Address is Invalid

[Detection Conditions]

The IPv6 'Manual Setting Address' set in the machine is invalid.
Bit 13 Address assignment error at inet6Address of PFRID_IPV6_PROT_MANUAL.
When 027-442~027-447 occur simultaneously, the smaller link number is displayed first.

[Corrective Actions]

Change the 'IPv6 (Manual Setting Address)' of this machine to the IPv6 address that can be used as the self-machine address. If the problem persists, perform the following procedure:

1. Check whether IPv6 address that was automatically set as the manual address is using an invalid address.
2. Collect failure analysis log and packets.
 - 2.4.1 Interface (Physical/Logical)
 - 2.4.3 No Output. No Printout.
 - 2.4.5 Network-related Details Check Flow
 - 2.5.1 Log collection/extraction tool function explanation

027-446 Duplicat IP address

[Error Type]

Info

[Fault Content]

IPv6 - Automatically Set IP Address is Duplicated

[Detection Conditions]

Another device with the same IP address as the IPv6 'Manual Setting Address' that is set in this machine exists in the network.
Bit 14 Duplicated address at inet6Address of PFRID_IPV6_PROT_MANUAL
When 027-442~027-447 occur simultaneously, the smaller link number is displayed first.

[Corrective Actions]

Change the 'IPv6 (Manual Setting Address)' of this machine to the IPv6 address that can be used as the self-machine address. If the problem persists, perform the following procedure:

1. Check whether IPv6 address that was automatically set as the manual address is using an invalid address.
2. Collect failure analysis log and packets.
 - 2.4.1 Interface (Physical/Logical)

- 2.4.3 No Output. No Printout.
- 2.4.5 Network-Related Details Check Flow
- 2.5.1 Log collection/extraction tool function explanation

027-447 Duplicat IP address

[Error Type]

Info

[Fault Content]

IPv6 - Link Local IP Address is Duplicated

[Detection Conditions]

Another device with the same IP address as the IPv6 'Link Local Address' that is set in this machine exists in the network.
Bit 15 Duplicated address at linkLocalAddress of PFRID_IPV6_PROT_AUTO
When 027-442~027-447 occur simultaneously, the smaller link number is displayed first.

[Corrective Actions]

Either change the IPv6 'Link Local Address' of this device or the IPv6 address of the other device on the network.

If the problem persists, perform the following procedure:

1. Check whether the IPv6 address that was automatically set as the Link Local Address is not used by other devices.
2. Collect failure analysis log and packets.
 - 2.4.1 Interface (Physical/Logical)
 - 2.4.3 No Output. No Printout.
 - 2.4.5 Network-Related Details Check Flow
 - 2.5.1 Log collection/extraction tool function explanation

027-452 Duplicat IP address

[Error Type]

Time Bomb (Information)

[Fault Content]

IP Address Duplicated

[Detection Conditions]

The PC of the same IP address exists on a network.

[Corrective Actions]

Change the IP address of a PC on the network.

Refer to 'Network Administrator Guide (User Guide)'.

1. 1-1. For manual address setting, check that the IP address set by the customer is not used for others.
 - 1-2. For each of RARP, BOOTP, and DHCP setting, check the server setting environment.
2. Collect failure analysis log and packets.
 - 2.4 NET System Fault Check

2.4.3 No output is available, no data is printed

2.4.5 Network-Related Details Check Flow

2.5.2 Logging/Extraction Tools Operational Instructions

027-500 SMTP Server Fail for Mail IO

[Error Type]

Job Fail

[Fault Content]

SMTP Server Address Resolution Fail for Mail IO

[Detection Conditions]

Incorrect SMTP Server name was detected.

[Corrective Actions]

1. Check with a customer System Administrator that the Mail Server has been launched and the environment is already used for other purposes (such as for PC).
2. Check that a correct SMTP server address is reflected in the device setting list.
 - 2-1. When the SMTP Server address is specified using IP address, set a correct IP address.
 - 2-2. When the SMTP Server address is specified using FQDN (name: aaa.co.jp), check that the FQDN name is correct. Also check that a correct DNS server address is set for the device, and set a correct IP address.
3. If the problem persists, collect the failure analysis log and packets.

027-501 POP Server Fail for Mail IO

[Error Type]

Job Fail

[Fault Content]

POP Server Address Resolution Fail for Mail IO

[Detection Conditions]

Incorrect POP Server name was detected.

[Corrective Actions]

Specify the correct POP Server name or specify the IP address.

1. Check with a customer System Administrator that the Mail Server has been launched and the environment is already used for other purposes (such as for PC).
 2. Check that a correct POP server address is reflected in the device setting list.
 - 2-1. When the POP Server address is specified using IP address, set a correct IP address.
 - 2-2. When the POP Server address is specified using FQDN (name: aaa.co.jp), check that FQDN name is correct. Also check that a correct DNS server address is set for the device, and set a correct IP address.
 3. If the problem persists, collect the failure analysis log and packets.
- 2.4 NET System Fault Check
2.4.3 No output is available, no data is printed
2.4.5 Network-Related Details Check Flow

2.5.2 Logging/Extraction Tools Operational Instructions

027-502 POP Authentication Fail for Mail IO

[Error Type]

Job Fail

[Fault Content]

POP Authentication Fail for Mail IO

[Detection Conditions]

Incorrect POP Server authentication information was detected.

[Corrective Actions]

Specify the correct POP Server authentication information.

1. Perform 027-501 check and then specify a correct POP User Name.
 2. If the problem persists, collect the failure analysis log and packets.
- 2.4 NET System Fault Check
2.4.3 No output is available, no data is printed
2.4.5 Network-Related Details Check Flow

027-503 POP server communication timeout

[Error Type]

job

[Fault Content]

Time to communicate with the POP server ran out. (after connection to the server)

[Detection Conditions]

(POPERR_TIMEOUT)

[Corrective Actions]

1. Time-out occurred in communicating with the POP server.
- Wait for a while and operate again.

027-504 Response reception is not expected from server

[Error Type]

job

[Fault Content]

An internal error. Or an unexpected response was received from the server (at any timing).

[Detection Conditions]

any area

[Corrective Actions]

1. Repeat the operation.

027-513 SMB Scan client has no right to access.

[Error Type]

Job Fail

[Fault Content]

The SMB scan client does not have access rights (Win9x systems)

[Detection Conditions]

In Scan to SMB, the user has no right to access the SMB server.

[The following applies to DMP6-2 and lalter only.]

- The folder with the same name as the specified file name already exists. (MacOS X v10.2)

[Corrective Actions]

Set up the user so that he/she can read or write in a file or folder in the specified place to save it in.

[The following applies to DMP6-2 and lalter only.]

- Check if there is any folder with the same name as the specified file name. (MacOS X v10.2)

If the problem persists, see the following to obtain a info9 or xxx.tgz log and a network log, and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

027-514 Host name solution error in SMB**[Error Type]**

Job Fail

[Fault Content]

Unable to resolve hostname during SMB scan

[Detection Conditions]

Failed to resolve the hostname or server name of the SMB server for DNS access during scanner (Save to PC) SMB transfer.

[Corrective Actions]

Check the connection to the DNS. Or, check whether the SMB server name of the transfer destination has been registered in the DNS.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-515 DNS server un-sets up in SMB**[Error Type]**

Job Fail

[Fault Content]

The DNS server was not set during SMB scan

[Detection Conditions]

The DNS server was not set for DNS access during scanner (Save to PC) SMB transfer.

[Corrective Actions]

Set the DNS server address. Or, set the SMB server address of the transfer destination using IP address.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-516 Server connection error in SMB**[Error Type]**

Job Fail

[Fault Content]

Problem with connection to server during SMB scan

[Detection Conditions]

Unable to find the SMB server during scanner (Save to PC) SMB transfer.

[Corrective Actions]

Take any one of the following actions:

- Check that network communication between the transfer destination SMB server and this machine is available, by the following:
 - Check the connection of network cables.
 - Check the TCP/IP settings
 - Check for communication through port 137 (UDP), port 138 (UDP), and port 139 (TCP).
- Check the following network settings to see if the computer operates as an SMB server.
 - Check that the file sharing service for Microsoft network is enabled.
 - Check that NetBIOS over TCP/IP is enabled in the TCP/IP settings.
 - Check the file sharing service (communications through port 137 (UDP), port 138 (UDP), and port 139 (TCP)) is allowed in the firewall settings.
- For communication that goes beyond the subnet, check the WINS server settings and check whether the server name address can be resolved correctly.
- Check whether the NetBIOS interface device at the transfer destination SMB server has started (happens in Windows NT4.0 Server/Workstation).
 1. Select the [Start] menu -> [Settings] to open [Control Panel].
 2. Open [Services] and select the [Messenger] service.
 3. Select the [Start Up], [Auto], [OK], and then [Close].
 4. Open [Devices] in [Control Panel] and select the [NetBIOS Interface] device.
 5. Select the [Start Up], [Auto] or [Manual], [OK], and then [Close].
 6. Reboot the computer.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-518 Login name or a password error in SMB

[Error Type]

Job Fail

[Fault Content]

There are problems with the SMB scan login name or password

[Detection Conditions]

- In Scan to SMB, the specified password was found wrong.

[The following applies to DMP6-2 and later products only.]

- The user could not be identified because the user name or password was wrong. (MacOSX v10.2)
- The user name specified has not been registered as a user that is allowed to use Share Windows. (MacOS X v10.2)

[Corrective Actions]

- Check the password set for the shared folder.

[The following applies to DMP6-2 and later products only.]

- Contact the network administrator for the user name or password. (MacOS X v10.2)
- Check for users that are allowed to use Share Windows. (MacOS X v10.2)

This is how to check for users:

1. From [Dock], start the [System Environment Settings] icon.
2. On the [System Environment Settings] window, click the [Account] icon.
3. Click the [To change, click the key] icon and log in.
4. Select the user and click the [Edit users] button.
5. Enter the password. After that, put a checkmark on [Permit the user to log in from Windows] and then click the [OK] button.

If the problem persists, see the following to obtain a info9 or xxx.tgz log and a network log, and contact the support division for instructions.

2.5.1 Logging/Extraction Tools Functional Instructions

027-519 Scanning picture preservation place error in SMB

[Error Type]

Job Fail

[Fault Content]

Scan image storage destination or file name specification error during scanner (Save to PC) SMB transfer

[Detection Conditions]

There is a problem with the storage destination or file name of the specified scan image during scanner (Save to PC) SMB transfer.

- The specified storage destination does not exist on the server.
- A prohibited character was detected in the specified storage destination or file name.
- The specified storage destination is linked to a different shared folder due to the distributed file system (DFS).

[Corrective Actions]

Take any one of the following actions:

- Check if the storage destination is correct.
- Check that the specified file name can be created on the SMB server.
- Check for the settings of the distributed file system (DFS) with the system administrator.

The checking procedure is as follows:

1. On the SMB server, select the [Start] menu > [All Programs] > [Administrative Tools] > [Distributed File System].
2. Select the specified storage destination from the left pane of the [Distributed File System] and check the [Target] information displayed in the right pane of the window.
3. Based on the information, specify the SMB server, shared name, and storage destination directly.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-520 File name acquisition failure from SMB server

[Error Type]

Job Fail

[Fault Content]

Unable to obtain the file/folder name on the SMB scan server

[Detection Conditions]

Unable to obtain the file/folder name on the SMB scan server.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-521 File name suffix limit over in SMB

[Error Type]

Job Fail

[Fault Content]

The SMB scan file name/folder name suffix has exceeded the limit value

[Detection Conditions]

The file name/folder name suffix that can be specified for SMB Scan has exceeded the limit value.

[Corrective Actions]

1. Change the file name/destination folder on the SMB scan server. Else, move or delete the files in the destination folder.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-522 File creation failure in SMB

[Error Type]

Job Fail

[Fault Content]

Failed to create an SMB scan file

[Detection Conditions]

Scan image file creation in the SMB server has failed during scanner (Save to PC) SMB transfer.

- The specified file name already exists on the server.
- The specified file name is in use.
- The specified file name already exists as a directory.
- A prohibited character was detected in the specified file name.

[Corrective Actions]

Take any one of the following actions:

- Check that the specified file name can be created in the storage destination.
- Check whether the specified file name is being used by another user.
- Check if a file or folder with the same name as the specified file name exists.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-523 Lock folder creation failure in SMB

[Error Type]

Job Fail

[Fault Content]

Failed to create an SMB scan lock folder

[Detection Conditions]

Failed to create an SMB scan lock folder on the SMB scan server.

1. SMBCL_NG_FILE_EXISTS
The specified lock folder name already exists.

[Corrective Actions]

1. When a lock directory (*.LCK) remained in the transfer destination, delete it manually and retry.
2. Check whether a folder with the same name as the specified name already exists.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-524 Folder creation failure in SMB

[Error Type]

Job Fail

[Fault Content]

Failed to create an SMB scan folder

[Detection Conditions]

Folder creation in the SMB server has failed during scanner (Save to PC) SMB transfer. The specified folder already exists.

[Corrective Actions]

Check if a file or folder with the same name as the specified name exists on the SMB server.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-525 File delete failure in SMB

[Error Type]

Job Fail

[Fault Content]

Failed to delete an SMB scan file

[Detection Conditions]

Failed to delete an SMB scan file on the SMB scan server.

1. SMBCL_NG_BAD_FILE
The file does not exist.
2. SMBCL_NG_DOS_BAD_SHARE
The file is open.
3. SMBCL_NG_FILE_IS_DIR (New)
The specified file name already exists as a directory.

[Corrective Actions]

1. Check whether the file in the specified storage destination is being used by another user.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-526 Lock folder delete failure in SMB

[Error Type]

Job Fail

[Fault Content]

Failed to delete an SMB scan lock folder

[Detection Conditions]

Failed to delete a lock folder on the SMB scan server.

1. SMBCL_NG_BAD_FILE

The file does not exist.

2. SMBCL_NG_DIR_NOT_EMPTY (New)

The directory is not empty.

3. SMBCL_NG_NOT_A_DIR (New)

The specified directory name is not a directory.

[Corrective Actions]

1. When a lock directory (*.LCK) remained in the transfer destination, delete it manually and retry the job.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-527 Folder delete failure in SMB

[Error Type]

Job Fail

[Fault Content]

Failed to delete an SMB scan folder

[Detection Conditions]

Failed to delete a folder on the SMB scan server.

1. SMBCL_NG_BAD_FILE
The file does not exist.
2. SMBCL_NG_DIR_NOT_EMPTY (New)
The directory is not empty.
3. SMBCL_NG_NOT_A_DIR (New)
The specified directory name is not a directory.

[Corrective Actions]

1. Check whether the file in the specified storage destination is being used by another user.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-528 Data write-in failure to SMB server

[Error Type]

Job Fail

[Fault Content]

The storage destination on the SMB scan data server has no free space

[Detection Conditions]

The storage destination on the SMB scan server has no free space.

[Corrective Actions]

1. Check that the storage destination has enough free space.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-529 Data read failure from SMB server

[Error Type]

Job Fail

[Fault Content]

Unexpected error of the SMB scan data server

[Detection Conditions]

An unexpected error response was received from the SMB server or an unexpected error has occurred in the machine during scanner (Save to PC) SMB transfer.

[Corrective Actions]

Log in to the SMB server from another PC using the same user name and check whether you can write a file into the same storage destination on that SMB server.

After that, perform the same operation again.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-530 File name duplicate failure in SMB

[Error Type]

Job Fail

[Fault Content]

'Cancel Job' is selected for SMB scan 'File Name Conflict'

[Detection Conditions]

Unable to save a file during scanner (Save to PC) SMB transfer because 'File Name Conflict' is set to 'Cancel Job'.

[Corrective Actions]

Set 'File Name Conflict' to other than 'Cancel Job'.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-531 SMB scan filing policy injustice

[Error Type]

Job Fail

[Fault Content]

Incorrect SMB scan filing policy (when additional items are selected)

[Detection Conditions]

Incorrect filing policy (when additional items are selected)

[Corrective Actions]

1. When 'Add' is selected for 'File Name Conflict', check that the file format is not set to Multi-page.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-532 NEXTNAME.DAT file access error in SMB**[Error Type]**

Job Fail

[Fault Content]

A file access error has occurred during scanner (Save to PC) SMB transfer.

[Detection Conditions]

An error has occurred when accessing the NEXTNAME.DAT file during scanner (Save to PC) SMB transfer.

[Corrective Actions]

When 'Add' is selected for 'File Name Conflict', check that the NEXTNAME.DAT file is correct.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-533 Internal error in SMB Scan**[Error Type]**

Job Fail

[Fault Content]

An internal error has occurred during SMB scan

[Detection Conditions]

An internal error has occurred.

[Corrective Actions]

1. Repeat the operation.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-543 SMB server name specification error**[Error Type]**

Job Fail

[Fault Content]

The SMB server (NetBIOS) name specification is incorrect

[Detection Conditions]

The SMB server (NetBIOS) name specification is incorrect.

SMBCL_NG_INV_HOST

The hostname specification is incorrect.

[Corrective Actions]

1. Check that the server name of the SMB server is correct.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-547 SMB Protocol error 4-007**[Error Type]**

Job Fail

[Fault Content]

SMB protocol error (4-007): The scan domain name specification is incorrect

[Detection Conditions]

<When this error occurred during SMB Authentication/SMB Scanner >

The specified domain name was detected to be incorrect by the controller software (SMB library) of this machine.

[Corrective Actions]

<When this error occurred during SMB Authentication >

The system administrator is to check the domain name and set it correctly.

How to check the domain name:

1. On the Active Directory domain controller, select the [Start] menu -> [All Programs] -> [Administrative Tools] -> [Active Directory Domains and Trusts].
2. In the left pane of the 'Active Directory Domains and Trusts' window, select [Active Directory Domains and Trusts] -> [Domain], then right-click and select [Properties].
3. After selecting the [General] tab in the [Domain Properties] window, check the domain name for [Domain Name (Windows 2000 or earlier)].

< When this error occurred during SMB Scanner >

1. The system administrator is to check the domain name and set it correctly.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-548 SMB Protocol error 4-008**[Error Type]**

Job Fail

[Fault Content]

SMB protocol error (4-008): The scan user name specification is incorrect

[Detection Conditions]

<When this error occurred during SMB Authentication/SMB Scanner >

The specified user name was detected to be incorrect by the controller software (SMB library) of this machine.

[Corrective Actions]

- < When this error occurred during SMB Authentication>

The system administrator is to set the user name correctly.

How to check the user name:

1. Common Operation 1. On the Active Directory domain controller in which the User Information was set, select the [Start] menu -> [All Programs] -> [Administrative Tools] -> [Active Directory Users and Computers].
2. Common Operation 2. In the left pane of the Active Directory Users and Computers window, select [Active Directory Users and Computers [Server]] -> [Domain] -> [Users] to list the user information.
3. Common Operation 3. In the right pane of the Active Directory Users and Computers window, right-click target user and select [Properties].
4. After selecting the [Account] tab in the [User Properties] window, check the user name for [User Logon Name (Windows 2000 or earlier)].

< When this error occurred during SMB Scanner >

1. The system administrator is to set the user name correctly.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-549 SMB Protocol error 4-009

[Error Type]

Job Fail

[Fault Content]

SMB protocol error (4-009)

[Detection Conditions]

The specification of Password is incorrect.

[Corrective Actions]

Operate again.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-564 SMB Protocol error 4-024

[Error Type]

Job Fail

[Fault Content]

SMB protocol error (4-024)

[Detection Conditions]

The host is missing.

[Corrective Actions]

1. Check that the authentication server and the device can communicate through the network. (Check the network group, TCP/IP Settings, check the communication at Port No. 137 (UDP)/Port No. 138 (UDP)/Port No. 139 (TCP))
2. Check that the SMB (TCP/IP) at the device side has started up.
 - (1) Specify the network address of the device through a Web browser, and display the remote UI screen of the CenterWare Internet Services.
 - (2) Select the 'Properties' tab and select 'Start Port' from the left frame of the properties list.
 - (3) Put a check on the 'Start' of 'SMB', and check that 'TCP/IP' is already checked for 'Transport Protocol'.
3. If the authentication server and the device are connected to different subnets, check that the device has settings that can resolve the address of the authentication server.
 - (1) In the Tools Mode screen of the device, check the 'System Settings' -> 'System Settings' -> 'Network Settings' -> 'External Authentication Server/Directory Service Settings' -> 'SMB Server Settings' -> 'SMB Server Specification Method'.

In case the 'Domain Name and Server Name Specification' is already set and the server is already specified by NetBIOS Name

Check if the authentication server and the device can resolve the addresses from the WINS server.

In case the 'Domain Name and Server Name Specification' is already set and the server is already specified by FQDN Name

Check if the authentication server and the device can resolve the addresses from the DNS server.
4. Check if the 'NetBIOS over TCP/IP' has become enabled at the authentication server settings.
 - (1) Right click the 'My Network' icon and select 'Properties'.
 - (2) Right click the 'Local Area Connection' icon and select 'Properties'.
 - (3) Select the 'General' tab in the 'Local Area Connection Properties' window, select 'Internet Protocol (TCP/IP)' and press the [Properties] button.
 - (4) Click the [Advanced] button in the 'Internet Protocol (TCP/IP) Properties' window.
 - (5) Select the 'WINS' tab in the 'Advanced TCP/IP Settings' window to check the 'NetBIOS Settings'.
5. Check at the Internet connection firewall if the communication through Ports 137, 138 and 139 are not blocked. (If the authentication server is WinXP)
 - (1) Right click the 'My Network' icon and select 'Properties'.
 - (2) Right click the 'Local Area Connection' icon and select 'Properties'.
 - (3) Select the 'Advanced' tab in the 'Local Area Connection Properties' window and click the [Settings...] button.
 - (4) Select the 'Service' tab in the 'Advanced' window to check that communication through 137 (UDP), 138 (UDP) and 139 (TCP) are permitted.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-565 SMB Protocol error 4-025

[Error Type]

Job Fail

[Fault Content]

SMB protocol error (4-025)

[Detection Conditions]

Cannot connect.

[Corrective Actions]

Check that the authentication server and the device can communicate through the network. (Check the network group, TCP/IP Settings, check the communication at Port No. 137 (UDP)/Port No. 138 (UDP)/Port No. 139 (TCP))

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-566 SMB Protocol error 4-026

[Error Type]

Job Fail

[Fault Content]

SMB protocol error (4-026)

[Detection Conditions]

The library cannot be initialized.

[Corrective Actions]

In the 'Start Port' screen of the 'Properties' tab of CenterWare Internet Service, check that the SMB (TCP/IP) has started up.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-569 SMB (TCP/IP)is not started.

[Error Type]

Job Fail

[Fault Content]

The SMB (TCP/IP) is not started

[Detection Conditions]

SMBCL_NG_NOT_INIT that occurs during SMB Scanner

The library has not been initialized.

[Corrective Actions]

In the [Port Status] screen under the [Properties] tab of CentreWare Internet Services, check that SMB (TCP/IP) is enabled.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-572 SMB Protocol error 4-032

[Error Type]

Job Fail

[Fault Content]

SMB protocol error (4-032)

[Detection Conditions]

Incorrect parameter.

[Corrective Actions]

Operate again.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-573 SMB Protocol error 4-033

[Error Type]

Job Fail

[Fault Content]

SMB protocol error (4-033)

[Detection Conditions]

Incorrect character code.

[Corrective Actions]

Operate again.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-574 SMB Protocol error 4-034

[Error Type]

Job Fail

[Fault Content]

SMB protocol error (4-034)

[Detection Conditions]

Incorrect data size.

[Corrective Actions]

Operate again.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-576 SMB Protocol error 4-036

[Error Type]

Job Fail

[Fault Content]

SMB protocol error (4-036)

[Detection Conditions]

Incorrect domain data size.

[Corrective Actions]

Operate again.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-578 SMB Protocol error 4-038

[Error Type]

Job Fail

[Fault Content]

SMB protocol error (4-038)

[Detection Conditions]

Communication timeout has occurred.

[Corrective Actions]

Check that the authentication server and the device can communicate through the network. (Check the network group, TCP/IP Settings, check the communication at Port No. 137 (UDP)/Port No. 138 (UDP)/Port No. 139 (TCP))

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-584 SMB Protocol error 4-044

[Error Type]

Job Fail

[Fault Content]

SMB protocol error (4-044)

[Detection Conditions]

SMBCL_NG_INV_SECMODE

Authentication server common security mode is operating.

[Corrective Actions]

There is a possibility that the authentication server is set as Win95/Win98/Me.

Set the authentication server to Windows other than Win95/Win98/Me.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-585 SMB Protocol error 4-045

[Error Type]

Job Fail

[Fault Content]

SMB protocol error (4-045): Scan login not available time period

[Detection Conditions]

<<< When this error occurred during SMB Authentication/SMB Scanner >>>

The login not available time period was detected by the controller software (SMB library) of this machine.

[Corrective Actions]

< When this error occurred during SMB Authentication/SMB Scanner >

Check with the system administrator for the time period when logging in is allowed.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-586 SMB Protocol error 4-046

[Error Type]

Job Fail

[Fault Content]

SMB protocol error (4-046): The password has expired.

[Detection Conditions]

<<< When this error occurred during SMB Authentication/SMB Scanner >>>

The password was detected to be expired by the controller software (SMB library) of this machine.

[Corrective Actions]

<When this error occurred during SMB Authentication/SMB Scanner >

Obtain a valid password from the system administrator.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-587 SMB Protocol error 4-047**[Error Type]**

Job Fail

[Fault Content]

SMB protocol error (4-047): The password must be changed

[Detection Conditions]

<<< When this error occurred during SMB Authentication/SMB Scanner >>>

The password was detected to require changing by the controller software (SMB library) of this machine.

[Corrective Actions]

<When this error occurred during SMB Authentication/SMB Scanner >

Log in to Windows and change the password.

Request the system administrator to disable the 'change password at next login'.

Perform the following.

After selecting the [Account] tab in the [User Properties] window, uncheck [User must change password at next logon] under [Account Options].

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-588 SMB Protocol error 4-048**[Error Type]**

Job Fail

[Fault Content]

SMB protocol error (4-048): The user account is disabled

[Detection Conditions]

<<< When this error occurred during SMB Authentication/SMB Scanner >>>

The user account is disabled.

[Corrective Actions]

< When this error occurred during SMB Authentication/SMB Scanner >

Request the system administrator to enable the user account.

Perform the following.

After selecting the [Account] tab in the [User Properties] window, uncheck [Account Disabled] under [Account Options].

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-589 SMB Protocol error 4-049**[Error Type]**

Job Fail

[Fault Content]

SMB protocol error (4-049): Locked out

[Detection Conditions]

<<< When this error occurred during SMB Authentication/SMB Scanner >>>

The user account is locked out.

[Corrective Actions]

< When this error occurred during SMB Authentication/SMB Scanner >

Request the system administrator to unlock the user account.

Perform the following.

After selecting the [Account] tab in the [User Properties] window, uncheck [Account locked out].

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-590 SMB Protocol error 4-050**[Error Type]**

Job Fail

[Fault Content]

SMB protocol error (4-050): The user account has expired

[Detection Conditions]

<<< When this error occurred during SMB Authentication/SMB Scanner >>>

The user account has expired.

[Corrective Actions]

< When this error occurred during SMB Authentication/SMB Scanner >

Obtain a valid user account from the system administrator.

Request the system administrator to extend the validity period of the account.

Perform the following.

After selecting the [Account] tab in the [User Properties] window, select [End of:] from [Account expires] and extend the validity.

Request the system administrator to disable the account expiry.

Perform the following.

After selecting the [Account] tab in the [User Properties] window, select [Never] from [Account expires].

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-591 SMB Protocol error 4-051**[Error Type]**

Job Fail

[Fault Content]

SMB protocol error (4-051): The user account is restricted. Blank password is not allowed

[Detection Conditions]

<<< When this error occurred during SMB Authentication/SMB Scanner >>>

The user account is restricted. Blank password is not allowed.

[Corrective Actions]

<When this error occurred during SMB Authentication/SMB Scanner >

Set a user password.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-599 SMB Protocol error 4-other

[Error Type]

Job Fail

[Fault Content]

SMB/LDAP Protocol Error (code for others)

[Detection Conditions]

1. An error internal to SMB Library excluding 027-547 through 027-578 occurred.
2. The protocol category with which to fill in Coml_Fault_GetNETCeCode() was an unexpected one.
* FTP/HTTP/an undefined category was specified. (DMP6-1)

[Corrective Actions]

Operate again.

If the problem persists, refer to 2.5.1 LOG immediately after the problem has occurred, obtain the info9 or xxx.tgz log and the network log and contact Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-600 ExtPrint Check Mode Error

[Error Type]

a hidden fail

[Fault Content]

External Print CheckMode Error

[Detection Conditions]

In H/W Check Mode, the controller detected an error with the external CDI.

[Corrective Actions]

Just write this in History.

If the problem persists, perform the following:

- Check the command between DFE and M/C, and disconnect then connect the Video Cable between DFE and M/C.
- Power Off/On

027-700 Mail address domain err

[Error Type]

job

[Fault Content]

Sending to the domain of the destination mail address is prohibited. (before connecting to the server)

[Detection Conditions]

The domain of the destination mail address is designated as a prohibited domain.

[Corrective Actions]

Check that the domain of the destination mail address is not designated as a prohibited domain.

If the problem still persists, collect the pfshowinfo8 log immediately after the occurrence of the problem and contact the support division for directions.

2.5.1 LOG

027-701 Disconnect network cable

[Error Type]

job

[Fault Content]

In external authentication, the disconnected cable is detected.

[Detection Conditions]

As a result of checking for disconnection of the network cable before the external authentication operation, the disconnected cable has been detected.

[Corrective Actions]

The network cable is disconnected from the device. Confirm the cable is disconnected and reconnect it.

027-702 Certificate for addresses, was not found

[Error Type]

job

[Fault Content]

No certificate for the destination exists. (before connection to the server)

[Detection Conditions]

when sending SMIME mail (SMLNG_KEY_NOTHING)

[Corrective Actions]

1. Store a certificate for the destination in this machine.

027-703 Certificate for addresses, was expired

[Error Type]

job

[Fault Content]

The certificate for the destination expired. (before connection to the server)

[Detection Conditions]

when sending SMIME mail (VKCMERR_CERT_EXPIRED)

[Corrective Actions]

1. Store the correct certificate for the destination in this machine. Check the following:
 - the term for which the certificate is valid
 - The time the device tells is correct.

027-704 Certificate for addresses, was untrusted**[Error Type]**

job

[Fault Content]

The certificate for the destination is not reliable. (before connection to the server)

[Detection Conditions]

when sending SMIME mail (SMLNG_KEY_UNTRUST)

[Corrective Actions]

1. Check for the certification path for the destination certificate and import the necessary CA certificate.

027-705 Certificate for addresses, was revoked**[Error Type]**

job

[Fault Content]

The certificate for the destination existed on a list of revoked certificates. (before connection to the server)

[Detection Conditions]

when sending SMIME mail
 (VKCMERR_CERT_REVOKED)
 (VKCMERR_KEY_COMPROMISED)
 (VKCMERR_CERT_AFFILIATION_CHANGED)
 (VKCMERR_CERT_SUPERSEDED)
 (SMLNG_KEY_REVOKED)

[Corrective Actions]

1. Store in this machine a destination certificate that is not on the list of revoked certificates.

027-706 Certificate not found**[Error Type]**

Job Fail

[Fault Content]

No device certificate exists. (before connection to the server)

[Detection Conditions]

When SMIME mail was sent, No Certificate was detected.

[Corrective Actions]

1. Store the device certificate in this machine.

If the problem persists, perform the following.

OF-09 Common Job Fail

027-707 Certificate expired**[Error Type]**

Job Fail

[Fault Content]

The device certificate expired. (before connection to the server)

[Detection Conditions]

When SMIME mail was sent, an invalid (expired) certificate was detected.

[Corrective Actions]

1. Store the correct device certificate in this machine. Check the following:
 - the term for which the certificate is valid
 - The time the device tells is correct.

If the problem persists, perform the following.

OF-09 Common Job Fail

027-708 Certificate untrusted**[Error Type]**

Job Fail

[Fault Content]

The device certificate is not reliable. (before connection to the server)

[Detection Conditions]

When SMIME mail was sent, an unreliable certificate was detected.

[Corrective Actions]

1. Check that the mail address written on the device certificate is the same as that set up on the device.
2. Check for the certification path for the device certificate and import the necessary CA certificate.

If the problem persists, perform the following.

OF-09 Common Job Fail

027-709 Certificate revoked

[Error Type]

Job Fail

[Fault Content]

The certificate for the destination existed on a list of revoked certificates. (before connection to the server)

[Detection Conditions]

When SMIME mail was sent, a discarded certificate was detected (which is registered in CRL).

[Corrective Actions]

1. Store in this machine a destination certificate that is not on the list of revoked certificates. If the problem persists, perform the following.

OF-09 Common Job Fail

027-710 S/MIME mail was disabled**[Error Type]**

Job Fail

[Fault Content]

Invalid SMIME Mail Error

[Detection Conditions]

The Mail I/O received S/MIME mail even though S/MIME was disabled.

[Corrective Actions]

Sender has the S/MIME certificate for the M/C but the S/MIME settings in M/C is invalid. Enable S/MIME setting in the device.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

027-711 S/MIME mail sender certificate not found**[Error Type]**

Job Fail

[Fault Content]

SMIME Mail Certificate Retrieval Error

[Detection Conditions]

The Mail I/O received the S/MIME signature mail but could not obtain the sender certificate. The S/MIME signature mail sent from the device always includes the device certificate.

[Corrective Actions]

To validate the signature, a valid sender certificate is required. Register the sender certificate in M/C or change your mailer options so that the S/MIME signature mails from the sender will be sent with the certificate.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

027-712 S/MIME mail sender certificate not valid**[Error Type]**

Job Fail

[Fault Content]

Invalid S/MIME Mail Certificate Error

[Detection Conditions]

The Mail I/O received the S/MIME signature mail but as the sender certificate was invalid, a signature verification error was detected.

[Corrective Actions]

To validate a signature, a valid sender certificate is required. As the sender certificate registered in the device is unreliable or it has expired, the S/MIME signature mail is unreliable and the received mail is discarded.

Check that the signature bearer of the CA certificate is registered in the device.

Explain to the customer that the sender 'needs to send a mail that is signed with a valid certificate' because the sender certificate has expired.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

027-713 S/MIME mail was altered**[Error Type]**

Job Fail

[Fault Content]

Receive S/MIME Mail Tampered Error

[Detection Conditions]

The Mail I/O received the S/MIME signature mail but tampered mail was detected and it was discarded.

[Corrective Actions]

Attackers may tamper mails on the sending path. Explain to the customer that the device is blocking the attacks from attackers.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

027-714 S/MIME mail sender impersonation**[Error Type]**

Job Fail

[Fault Content]

S/MIME Mail Sender Impersonation Error

[Detection Conditions]

The Mail I/O received the S/MIME signature mail but as the sender address and the signature mail address were different. An impersonated sender was detected and the mail was discarded.

[Corrective Actions]

Mails may be sent from impersonated senders. Explain to the customer that the device is blocking the attacks from attackers.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

027-715 S/MIME mail certificate not support**[Error Type]**

Job Fail

[Fault Content]

SMIME Mail Certificate Not Supported

[Detection Conditions]

The secret key (certificate) supported by S/MIME encrypted mail is not registered in the device.

This problem occurs when an appropriate certificate is registered in the certificate repository but not in S/MIME certificate, or when the S/MIME certificate itself is not registered yet.

[Corrective Actions]

Check that the appropriate certificate is registered and is set as the S/MIME certificate in the M/C.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

027-716 No-Signed mail receipt was rejected**[Error Type]**

Job Fail

[Fault Content]

Unsigned Mail Prohibited

[Detection Conditions]

Prohibited unsigned mail was detected. All the S/MIME unsigned mails (including standard mails and S/MIME encrypted mails) are discarded.

[Corrective Actions]

The flag that prohibits receiving of unreliable mail is enabled. If a problem is found, disable the flag that prohibits receiving of unreliable mail.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

027-717 No MX Record at the DNS**[Error Type]**

Job

[Fault Content]

No MX Record at the DNS

[Detection Conditions]

An enquiry was sent to the DNS Server for the MX Record, but it cannot be obtained.

[Corrective Actions]

1. The SMTP Server Address that is used for sending E-mails cannot be obtained from the DNS Server.

Check with the DNS Server Administrator on the existence of DNS/MX Record.

2. Check that the DNS Server Settings of the device is set properly.

If the problem persists, obtain the pfshowinfo9 log and the network packets immediately after the problem has occurred and contact the support department for instructions.

2.4.5 Log collection/extraction tool function explanation

027-720 Ext Srv. Host Not Found**[Error Type]**

Job Fail

[Fault Content]

Server for Application Interface cannot be found during Web Service Interface.

[Detection Conditions]

Either the specified server for the application interface cannot be found or the DNS could not be resolved during Web service interface.

An error occurred during DNS resolution for FQDN (HTTP/HTTPS) because no DNS Server is set up.

[Corrective Actions]

Check that the DNS server address is set properly. Check that the PC running the application interface (CWFS etc.) is registered in DNS.

If the problem persists, obtain instructions from DocuShare and then perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

027-721 Ext Srv. Not Found**[Error Type]**

Job Fail

[Fault Content]

Application Interface Destination During Web Service Interface - Not Found

[Detection Conditions]

Either the specified server for the application interface cannot be found or the DNS could not be resolved during Web service interface.

An error occurred during DNS resolution for FQDN (HTTP/HTTPS) because no DNS Server is set up, and so on.

[Corrective Actions]

Check that the DNS server address is set properly. Check that the PC running the application interface (CWFS) is registered in DNS.

If the problem persists, obtain instructions from DocuShare and then perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

027-722 Ext Srv. Timeout Fail

[Error Type]

Job Fail

[Fault Content]

Application Interface During Web Service Interface - Timeout

[Detection Conditions]

A request for application interface is issued from the machine during Web service interface, but it does not receive a response within the specified time (default: 60[sec]).

[Corrective Actions]

1. If a number of documents is specified for scanning, scan one document and store it.
2. When scanning and storing are successful, change the application interface timeout value. If scanning and storing are not successful, perform step (3).
3. Check that the scan document can be uploaded from the PC browser. When uploading is successful, change the application interface timeout value.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-723 Ext Srv. Authentication Fail

[Error Type]

Job Fail

[Fault Content]

Application Interface During Web Service Interface - Authentication Failure

[Detection Conditions]

A request for application interface is issued from the machine during Web service interface, but authentication has failed because the one-time password that is set in the instructions sent from DocuShare has expired.

[Corrective Actions]

Check the User Name and password to be entered for creating a job flow. (Currently, this failure does not occur because CWFS does not support authentication.)

If the problem persists, obtain instructions from DocuShare and then perform the following procedure to repair it.

OF-09 Common Job Fail

027-724 Ext Srv. Access Fail

[Error Type]

Job Fail

[Fault Content]

Application Interface During Web Service Interface - Access Failure

[Detection Conditions]

The access to the application interface failed (for all causes other than service not found, timeout or authentication failure) during Web service interface.

[Corrective Actions]

Check that the application interface (CWFS) is working correctly. If ok, check the log.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-725 Ext Srv. Operation Fail

[Error Type]

Job Fail

[Fault Content]

Application Interface During Web Service Interface - Job Operation Failure

[Detection Conditions]

Job operation has failed at the machine for application interface during Web service interface.

An error occurred when a job is 'paused', 'resumed', or 'canceled' from the machine panel.

[Corrective Actions]

Check that the application interface (CWFS) is working correctly. If ok, check the log.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-726 Ext Srv. Unknown State

[Error Type]

Job Fail

[Fault Content]

Application Interface During Web Service Interface - Unknown Job Status

[Detection Conditions]

The status of the application interface destination is unknown during Web service interface.

[Corrective Actions]

Check that the application interface (CWFS) is working correctly. If ok, check the log.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-727 Ext Srv. Req Invalid Params**[Error Type]**

Job Fail

[Fault Content]

Application Interface During Web Service - Invalid Parameter

[Detection Conditions]

The parameter for the application interface is incorrect during Web service interface.

The machine failed to send a application interface request due to job flow breakage etc.

[Corrective Actions]

Check the parameters for creating a job flow.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-728 Ext Srv. Req File Exceed**[Error Type]**

Job Fail

[Fault Content]

The number of files requested to be sent exceeded the maximum number of files that can be sent during Web service interface (this occurs when a single-page document is being stored).

[Detection Conditions]

The number of files requested to be sent to an external service exceeded the maximum number of files that can be sent during Web service interface.

This occurs if the instructions requesting DocuShare to scan and upload documents in the single-page format is created.

It does not occur when only multi-page documents are the target.

[Corrective Actions]

Set a job so that the maximum number of files that can be sent will not be exceeded.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-730 SMTP mail division error**[Error Type]**

job

[Fault Content]

split-mail error (before connection to the server)

[Detection Conditions]

A mail was split in linking to the system.

[Corrective Actions]

1. The number of original pages scanned exceeds the preset pagination value.

Increase the preset pagination value, or reduce the number of original pages scanned.

027-731 Server Limit Err**[Error Type]**

Job Fail

[Fault Content]

Job Template Server Connection Limit Count Error

[Detection Conditions]

The CWSS NetWare Job and NetWare polling were started up simultaneously.

[Corrective Actions]

Finish the currently activate NetWareJob, and then retry the operation.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

027-732 Server Access Err**[Error Type]**

Job Fail

[Fault Content]

Job Template Server Access Error

[Detection Conditions]

Either the Job Template server has insufficient capacity or a failure has occurred in the server disk.

[Corrective Actions]

Check that the server disk is normal and has free space, and then retry the operation.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

027-733 Server SSL Err**[Error Type]**

Job Fail

[Fault Content]

Job Template Server SSL Error

[Detection Conditions]

The SSL setting for the Job Template server did not become enabled.

[Corrective Actions]

Check that the SSL setting for the Job Template server is enabled.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

027-734 Server Certificate Err

[Error Type]

Job Fail

[Fault Content]

Job Template Server SSL Certificate Error

[Detection Conditions]

The server certificate is invalid.

[Corrective Actions]

Perform the following.

1. Using the HTTPS protocol, check whether the Job Template server is accessible from the PC.
2. Check whether the SSL server certificate of the Job Template server is registered in the device.
3. Check whether the SSL server certificate of the Job Template server is valid.

For example, check the following:

- The certificate has not expired yet.
- The time that is set in the device is correct.
- It is not in the discard list.
- The certificate path of the SSL server certificate and import any necessary CA certificate.

4. If the certificate is not registered in the Job Template server, disable the device certificate validation.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

027-735 Device SSL Config Err

[Error Type]

Job Fail

[Fault Content]

Device SSL Error

[Detection Conditions]

When SSL transfer was instructed, the SSL setting of the device is disabled.

[Corrective Actions]

Perform the following.

1. Enable the SSL settings of the M/C.
2. Or, specify HTTP as the transfer protocol.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

027-736 Device Certificate Err

[Error Type]

Job Fail

[Fault Content]

Device SSL Certificate Error

[Detection Conditions]

When server certificate validation is instructed, the server certificate validation of the device is disabled.

[Corrective Actions]

Perform the following.

1. Enable the server certificate validation settings of the M/C.
2. Or, disable the server certificate validation setting during transfer.

If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

027-737 Template Server Read ERR

[Error Type]

Job Fail

[Fault Content]

[Read Error in Obtaining JT]

Read error from the server

[Detection Conditions]

An error was received from the server to a FTP command 'TYPE A', 'LIST', or 'RETR'.

[Corrective Actions]

Check the access right, etc.

1. Check that 'Read Authorization' is established for the storage destination server directory set as a resource.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-739 Invalid Template Server Path

[Error Type]

Job Fail

[Fault Content]

[Path Error in Obtaining JT]

The specified path of the Job Template Pool Server cannot be found.

[Detection Conditions]

An error was received from the server to the FTP command 'CWD'.

[Corrective Actions]

Check the path information, etc.

1. Set the resource of the storage destination path from the client PC using CentreWare.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-740 Template Server Login ERR**[Error Type]**

Job Fail

[Fault Content]

[Log-in Error in Obtaining JT]

Cannot log in to the Job Template Pool Server.

[Detection Conditions]

Login to the FTP Server failed.

[Corrective Actions]

Check the user information, etc.

1. Set the log-in name and password in the Job Template file storage destination.
2. From some other PC connected to the network, check that you can log in with the above account.
3. From a client PC, set a login name and password as a resource using CentreWare.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-741 Template Server Connect Fail**[Error Type]**

Job Fail

[Fault Content]

[Network Error in Obtaining JT]

Cannot connect to the Job Template Pool Server.

[Detection Conditions]

The system failed in obtaining data connection or list data using the FTP command 'LIST'.

[Corrective Actions]

Check the network environment and the server.

If the problem persists, perform the following procedure:

1. Connect the network cable from the M/C properly.
2. From the destination server, use 'PING' to check that the M/C can be 'seen'.
3. Perform the 'ping' test on the destination server from PSW.
4. From a client PC, check that the ftp connection to the destination server is possible.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-742 HD File System Full**[Error Type]**

Job Fail

[Fault Content]

[File Full in Obtaining JT]

File system was full when the Job Template was stored into the local HD.

[Detection Conditions]

The HDD was full when writing to a local HDD Job Template or when writing temporary work files.

[Corrective Actions]

Delete the files in the HDD. Or, initialize the HD.

1. Scanned images may cause the HDD to be full. Wait for a while and try again.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

OF-02 HDD System Fail

027-743 Template Server Install ERR**[Error Type]**

Job Fail

[Fault Content]

Job Template Pool Server Setting Failure

[Detection Conditions]

The address format of the Job Template Pool Server is incorrect.

[Corrective Actions]

Set the parameters related to the Job Template Pool Server.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-744 Template Server ADD ERR (DNS Library)**[Error Type]**

Job Fail

[Fault Content]

The Job Template Pool Server address cannot be resolved. (Response to the DNS library error)

[Detection Conditions]

An error occurred while calling the DNS Resolution Library.

[Corrective Actions]

Check the connection to the DNS. Or, check whether the Job Template Pool Server domain name has been registered in the DNS.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

027-745 Template Server ADD ERR (DNS address)

[Error Type]

Job Fail

[Fault Content]

The Job Template Pool Server address cannot be resolved. (The DNS address is not set)

[Detection Conditions]

During address resolution, the DNS Server address is not set.

[Corrective Actions]

Set the DNS address. Or, set the Job Template Pool Server address using IP address.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

027-746 JobTemplate Pool Server Not Ready

[Error Type]

Job Fail

[Fault Content]

Job Template Pool Server Protocol Startup Error

[Detection Conditions]

The port of the protocol specified in Job Template Pool Server settings is not started up.

[Corrective Actions]

Start up the port of the protocol (FTP client or SMB) specified in Job Template Pool Server settings.

If the problem persists, perform the following procedures in sequence to repair it.

OF-09 Common Job Fail

2.4.5 Network-Related Details Check Flow

027-750 Fax document incongruent

[Error Type]

Job Fail

[Fault Content]

Transfer Instruction when Internet FAX Transfer is prohibited, or Scan and Printer Document Print Instruction during Interruption

[Detection Conditions]

- With Internet FAX Document E-mail and Internet FAX Transfer prohibited, Internet FAX Document E-mail and Internet FAX Transfer instructions were received.
- Printing Scan and Printer documents was instructed during interruption.

[Corrective Actions]

- For Internet FAX received document, enable the transfer setting.
 - Clear interruption and print when printing Scan and Printer documents during interruption.
- If the problem persists, perform the following procedures in sequence to repair it.
- OF-09 Common Job Fail
- 2.4.5 Network-Related Details Check Flow

027-751 Job Template analysis error

[Error Type]

Job Fail

[Fault Content]

Instruction Analysis Error

[Detection Conditions]

An error was detected when analyzing the given instruction.

[Corrective Actions]

Re-examine the contents of the instruction.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-752 Must user un inputting

[Error Type]

Job Fail

[Fault Content]

Mandatory User Not Entered

[Detection Conditions]

With the required user entry not entered, the instruction to start the job was given.

[Corrective Actions]

Perform the following:

1. Do not link the box to the instruction that requires user entry.
2. Set preset values for the items in the instruction requiring user entry.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-753 Job flow service request disabled

[Error Type]

Job Fail

[Fault Content]

Invalid Instruction Service

[Detection Conditions]

Job is executed by instruction when the service is disabled.

[Corrective Actions]

Enable the service.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-754 Job flow service File signature setting mismatch**[Error Type]**

Job

[Fault Content]

File Signature Settings Mismatch in Instruction

[Detection Conditions]

When performing signature setting using XDW or PDF in an instruction, the setting in the instruction is specified as 'Default' while the system data is set as 'Custom'.

Or, the setting in the instruction is not 'Default' and it is different from the system data setting.

[Corrective Actions]

Check the system data setting of the XDW/PDF signature and the signature setting that is specified in the instruction. If the system data setting is different from the setting in the instruction, either change the instruction or change the system data.

If the problem persists, carry out the following procedure:

OF-09 Common Job Fail

027-760 XJT Command Fail**[Error Type]**

Job Fail

[Fault Content]

XJT Command Error (Parameter setting out of specifications)

[Detection Conditions]

Incorrect Command from XDOD Client

[Corrective Actions]

Check the following:

Check 1: Check if the parameter setting specified in XDOD client is out of system specifications.

Check 2: Check the XDOD client and Controller versions, and then save the XDOD job ticket and contact Support G for checking.

(It would be the best if PRN file can be obtained, but it is not possible from the XDOD client.)

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-761 Web Print time out**[Error Type]**

Job Fail

[Fault Content]

Although a Web Print job was received, the machine did not start printing within the [On-Demand Print Duration] time ([On-Demand Print Duration] is a KO system data)

[Detection Conditions]

Although On-demand Print due to print request from this machine restarted and instructed the machine to print, the time 'since the print was requested until the printing actually started' has exceeded the system data [= On-Demand Print Duration]. One of the causes for this error is that on-demand print was instructed for multiple documents.

[Corrective Actions]

Take any one of the following actions:

1. If on-demand print for multiple documents was instructed using the external access function, reduce the number of documents before retrying it.
2. If the problem persists, enter the System Administrator mode and select [System Settings] > [System Settings] > [Machine Clock/Timers] > [On-Demand Print Duration] > to either extend the time or set it to 0.

[# Supplement #] When using the external access function to instruct printing of multiple documents by on-demand print, the machine does not take the print processing time into consideration until the last document is received. Therefore, for cases of large volume documents or complicated documents that require long data processing time, the machine may issue timeout even before receiving the last document. Set the validity time according to the document format to be printed.

If the problem persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-762 Illegal Web Print job ticket**[Error Type]**

Job Fail

[Fault Content]

Although a Web Print job was received, the attached job execution ticket is incorrect

[Detection Conditions]

Although on-demand job was instructed to this machine using the external access function, the specified job ticket has the following inaccuracies:

- The job ticket is abnormally overwritten due to a software error in this machine.
- The job ticket is abnormally overwritten due to a bug in the external server from which the job was sent.
- The job ticket is abnormally overwritten due to network problems.
- The job ticket was intentionally tampered with.

[Corrective Actions]

Instruct to print again.

If the problem persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

027-763 Auditron - Cannot Verify User

[Error Type]

job

[Fault Content]

Auditron - Cannot Verify User

[Detection Conditions]

The device cannot check user info with the external accounting server.

[Corrective Actions]

Make the external accounting server operate properly. Repair the network failure.

Connect the cable properly. Set up the device so that it can properly communicate with the external accounting server.

027-770 PDL Error

[Error Type]

Job Fail

[Fault Content]

Cont Detection DFE PDL Error

[Detection Conditions]

The DFE detected a failure in PDL during job processing.

[Corrective Actions]

Change the job conditions and try again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-771 DFE Disk Full

[Error Type]

Job Fail

[Fault Content]

DFE Disk Full

[Detection Conditions]

The remaining HD capacity in the DFE became less than 500MB when printing from DFE.

[Corrective Actions]

Change the job conditions and try again.

Delete unnecessary files from the HD in the DFE.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-772 SMTP server error (HELO Command refusal)

[Error Type]

job

[Fault Content]

The SMTP server refused the HELO command. (after connection to the server)

[Detection Conditions]

(SMTPERR_HELO_FAIL)

[Corrective Actions]

1. If any non-ASCII letters are used for the machine host name, use ASCII letters to set it.

If the situation does not improve, contact the network administrator for advice and check that the SMTP server supports the HELO command.

027-773 SMTP server communication timeout

[Error Type]

job

[Fault Content]

Time to communicate with the SMTP server ran out. (after connection to the server)

[Detection Conditions]

(SMTPERR_TIMEOUT)

[Corrective Actions]

1. Time-out occurred in communicating with the SMTP server.

Wait a while and operate again.

027-774 SMTP address inaccurate character

[Error Type]

job

[Fault Content]

Unavailable letters were specified as a destination address. (after connection to the server)

[Detection Conditions]

(SMTPERR_INVALID_CHARACTER)

[Corrective Actions]

1. Use only ASCII letters for a destination address letter-string.

027-775 Too many SMTP address

[Error Type]

job

[Fault Content]

Too many mail addresses caused a failure. (after connection to the server)

[Detection Conditions]

(SMTPERR_TOO_MANY_RECIPIENTS)

[Corrective Actions]

1. Reduce the number of mail addresses.

027-776 SMTP server error (EHLO Command refusal)**[Error Type]**

job

[Fault Content]

The SMTP server refused the EHLO command. (after connection to the server)

[Detection Conditions]

(SMTPERR_EHLO_FAIL)

[Corrective Actions]

1. If any non-ASCII letters are used for the machine host name, use ASCII letters to set it.

If the situation does not improve, contact the network administrator for advice and check that the SMTP server supports the EHLO command.

027-777 SMTP server un-supports SMTP-AUTH.**[Error Type]**

job

[Fault Content]

The SMTP server does not support SMTP-AUTH. (after connection to the server)

[Detection Conditions]

(SMTPERR_AUTH_NONSUPPORT)

[Corrective Actions]

1. Send mail without setting SMTP-AUTH.
2. If you want to use the SMTP-AUTH function, contact the system administrator for advice.

027-778 There is no mode specified by SMTP-AUTH.**[Error Type]**

job

[Fault Content]

The mode specified by SMTP-AUTH was not found. (after connection to the server)

[Detection Conditions]

(SMTPERR_AUTH_METHOD)

[Corrective Actions]

1. Contact the network administrator to see what SMTP authentication method the server uses.

The device supports PLAIN (plain text) Authentication, LOGIN (BASE64 type) Authentication, and CRAM-MD5 (challenge-and-response type).

027-779 It attestation-fails by SMTP-AUTH**[Error Type]**

job

[Fault Content]

A failure in authentication based on SMTP-AUTH (after connection to the server)

[Detection Conditions]

(SMTPERR_AUTH_FAILED)

[Corrective Actions]

1. SMTP authentication failed.

Check that correct authentication information (user name and password) is set up.

027-796 Email Not Printed**[Error Type]**

Job Fail

[Fault Content]

E-mail Print Control Through User Settings

[Detection Conditions]

For received E-mail, the settings were set to 'Do not print header and content'. As E-mails without attachments were received, they were destroyed.

In the above case, the Mail IO leaves the error history report indicating that the mail has been discarded together with ChainLink.

No jobs are generated due to the specification.

[Corrective Actions]

Set to the correct settings again, such as [Print Header and Content].

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-797 Invalid Output Destination**[Error Type]**

Job Fail

[Fault Content]

Incorrect Output Destination of Received Mail

[Detection Conditions]

No jobs are generated.

E-mail to Box and E-mail to Fax were dropped. An E-mail was received with this setting.

[Corrective Actions]

Specify the output destination that can be processed by the device and ask the customer to send the job again.

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

027-798 JFS Target Document Not Found Fail

[Fault Name]

JFS Target Document Not Found Fail

[Error Type]

Job

[Fault Content]

The execution target document in the instruction set does not exist

[Detection Conditions]

When the instruction set is executed, the target document does not exist.

[Corrective Actions]

Select another document and execute.

If the problem still persists, perform the following:

OF-09 Common Job Fail

Investigate the failure at the occurrence of the Information Fail/Warning.

027-910 Manual duplex operation(Back Print from Tray7)

[Error Type]

operation

[Fault Content]

Manual duplex(Back Print from Tray7)

[Detection Conditions]

Green Controller was notified by EFI Controller that one side finished being printed.

[Corrective Actions]

Turn over the output whose one side finished being printed in manual duplex, and load it in Tray 7.

027-911 Manual duplex(Back Print from Tray6)

[Error Type]

operation

[Fault Content]

Manual duplex(Back Print from Tray6)

[Detection Conditions]

Green Controller was notified by EFI Controller that one side finished being printed.

[Corrective Actions]

Turn over the output whose one side finished being printed in manual duplex, and load it in Tray 6.

027-912 Manual duplex(Back Print from Tray5)

[Error Type]

operation

[Fault Content]

Manual duplex(Back Print from Tray5)

[Detection Conditions]

Green Controller was notified by EFI Controller that one side finished being printed.

[Corrective Actions]

Turn over the output whose one side finished being printed in manual duplex, and load it in Tray 5.

027-913 Manual duplex(Back Recovery - Front Print)

[Error Type]

operation

[Fault Content]

Manual duplex(Back Recovery - Front Print from Tray7)

[Detection Conditions]

Green Controller was notified of a jam by EFI Controller.

[Corrective Actions]

While a print of side 2 was being output from Tray 7 in manual duplex, the print was jammed.

Remove all the sheets of paper from Input Tray 7/Output Tray. Then reprint side 1 of the print.

027-914 Manual duplex(Back Recovery - Front Print)

[Error Type]

operation

[Fault Content]

Manual duplex(Back Recovery - Front Print from Tray6)

[Detection Conditions]

Green Controller was notified of a jam by EFI Controller.

[Corrective Actions]

While a print of side 2 was being output from Tray 6 in manual duplex, the print was jammed.

Remove all the sheets of paper from Input Tray 6/Output Tray. Then use Input Tray 6 to reprint side 1 of the print.

027-915 Manual duplex(Back Recovery - Front Print)

[Error Type]

operation

[Fault Content]

Manual duplex(Back Recovery - Front Print from Tray5)

[Detection Conditions]

Green Controller was notified of a jam by EFI Controller.

[Corrective Actions]

While a print of side 2 was being output from Tray 5 (Bypass Tray) in manual duplex, the print was jammed. Remove all the sheets of paper from Input Tray 5 (Bypass Tray)/Output Tray. Then use Input Tray 5 (Bypass Tray) to reprint side 1 of the print.

027-916 Manual duplex(Back Recovery - Back Print)**[Error Type]**

operation

[Fault Content]

Manual duplex(Back Recovery - Back Print from Tray7)

[Detection Conditions]

Green Controller was notified of a jam by EFI Controller.

[Corrective Actions]

While a print of side 2 was being output from Tray 7 in manual duplex, the print was jammed. Reprint side 1 of the print. After finishing it, use Input Tray 7 to reprint side 2 of each of the pages from the jammed page to the final page.

027-917 Manual duplex(Back Recovery - Back Print)**[Error Type]**

operation

[Fault Content]

Manual duplex(Back Recovery - Back Print from Tray6)

[Detection Conditions]

Green Controller was notified of a jam by EFI Controller.

[Corrective Actions]

While a print of side 2 was being output from Tray 6 in manual duplex, the print was jammed. Reprint side 1 of the print. After finishing it, use Input Tray 6 to reprint side 2 of each of the pages from the jammed page to the final page.

027-918 Manual duplex(Back Recovery - Back Print)**[Error Type]**

operation

[Fault Content]

Manual duplex(Back Recovery - Back Print from Tray5)

[Detection Conditions]

Green Controller was notified of a jam by EFI Controller.

[Corrective Actions]

While a print of side 2 was being output from Tray 5 (Bypass Tray) in manual duplex, the print was jammed. Reprint side 1 of the print. After finishing it, use Input Tray 5 (Bypass Tray) to reprint side 2 of each of the pages from the jammed page to the final page.

028-910 Wrong Fusing Unit Type Fail

[Fault Name]

Wrong Fusing Unit Type Fail

[Error Type]

Operation

[Fault Content]

The Fusing Unit needs to be replaced

[Detection Conditions]

The type of the currently installed Fusing Unit is not able to process the specified paper (paper type).

It is assumed that multiple Fusing Unit (one as standard and other specialized Fusing Unit that cater to the customer's specific paper requirements) are available, from which the user can perform the switch, and that the type of Fusing Unit can be automatically detected.

[Corrective Actions]

Replace the Fusing Unit with one that can handle the specified paper (paper type).

028-911 Wrong Fusing Unit Mode Fail

[Fault Name]

Wrong Fusing Unit Mode Fail

[Error Type]

Operation

[Fault Content]

The Fusing Unit Mode is incorrect.

[Detection Conditions]

The mode of the currently installed Fusing Unit is not able to process the specified paper (paper type).

[Corrective Actions]

Change the mode of the Fusing Unit to one that can handle the specified paper (paper type).

028-912 Fusing Unit Lever Envelope Fail

[Fault Name]

Fusing Unit Lever Envelope Fail

[Error Type]

Operation

[Fault Content]

The Fusing Unit Mode is incorrect (the Fusing Unit is in Envelope Mode and hence can only print envelopes).

[Detection Conditions]

The Fusing Unit is set to Envelope Mode and is hence unable to process the specified paper (other than envelope).

[Corrective Actions]

Change the Fusing Unit to Standard Mode.

028-914 Wrong Fusing Unit Width Fail

[Fault Name]

Wrong Fusing Unit Width Fail

[Error Type]

Operation

[Fault Content]

The Fusing Unit width is mismatched

[Detection Conditions]

Although the type of the currently installed Fusing Unit is not able to process the specified paper (paper type), it can be instructed to continue as an exception.

It is assumed that multiple Fuser Assemblies (one as standard and other specialized Fuser Assemblies that cater to the customer's specific paper requirements) are available, of which the user can perform switching, and that the type of Fuser Assembly can be automatically detected.

[Corrective Actions]

Replace the Fuser Assembly with one that can handle the specified paper (paper type).

Or, instruct to continue as an exception.

The User can select from the following 3 options.

-Replace the Fusing Unit. (Replace and continue)

-Continue with the processing as is.

-Cancel the Job.

If the problem still persists, obtain the [PfShowInfo 8 log] and [Network Packet] immediately after the problem has occurred and contact the Support Department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

033-310 Fax Charge Function Fail By Multi Channel

[Error Type]

Sub

[Fault Content]

The Fax send billing function was turned ON although multiple lines are installed.

[Detection Conditions]

The Fax send billing function was turned ON although multiple lines are installed.

[Corrective Actions]

Turn OFF the FAX send billing function or change to a single-line installation.

033-311 Invalid Addressbook Data are Registered

[Error Type]

sub

[Fault Content]

Data in Address Book is invalid.

[Detection Conditions]

When FaxCont is on, invalid Address Book data is detected.

[Corrective Actions]

Clear NVM (Sys-USER).

033-312 Controller not respond when system is changing mode

[Error Type]

sub

[Fault Content]

FCM has detected Timeout. (The Host has not transited to Sleep a specific time after receiving a request to transit to Sleep.)

[Detection Conditions]

The Controller has not transited to Sleep Mode a specific time after.

[Corrective Actions]

Turn the power OFF then ON.

If the problem reoccurs, go to the following and solve it.

OF-07 Fax System Fail

033-313 USB disconnected

[Error Type]

sub

[Fault Content]

It has been detected that after the FaxCardMini initialization, the device cannot communicate with FaxCardMini.

[Detection Conditions]

It has been detected that after the FaxCardMini initialization, the device cannot communicate with FaxCardMini.

[Corrective Actions]

Turn the power OFF then ON.

If the problem reoccurs, go to the following and solve it.

OF-11 FAX Job Fail

033-314 Controller ROM Fax Card ROM mismatch

[Error Type]

sub

[Fault Content]

The version of the USB-I/F reported from FaxCardMini does not match.

[Detection Conditions]

The Controller has detected a version mismatch.

[Corrective Actions]

Upgrade both the Controller and FaxCardMini ROMs to the latest version.

033-315 USB Fatal Error

[Error Type]

sub

[Fault Content]

A notice from the USB Fax Class Driver has caused a Fatal Error.

[Detection Conditions]

A notice from the USB Fax Class Driver has caused a Fatal Error (USB Driver failure, HW failure, etc.).

[Corrective Actions]

Turn the power OFF then ON.

If the problem reoccurs, go to the following and solve it.

OF-07 Fax System Fail

033-316 FAX Device Cont Error

[Error Type]

sub

[Fault Content]

A fatal error with FaxDevCont/PrintFormat

[Detection Conditions]

An error has occurred in the DeviceCont area in the FaxCont.

[Corrective Actions]

Turn the power OFF then ON.
If the problem reoccurs, go to the following and solve it.
OF-07 Fax System Fail

033-317 FAX Device Error**[Error Type]**

sub

[Fault Content]

A fatal error with FaxDevice

[Detection Conditions]

An error has occurred in the FaxDevice area in the FaxCont.

[Corrective Actions]

Turn the power OFF then ON.
If the problem reoccurs, go to the following and solve it.
OF-14 Fax Card Fail

033-318 Image Processing Error**[Error Type]**

sub

[Fault Content]

A fatal error with the image processing I/F, image processing control or image processing.

[Detection Conditions]

A fatal error has occurred with image processing for Fax.

[Corrective Actions]

Turn the power OFF then ON.
If the problem reoccurs, go to the following and solve it.
OF-07 Fax System Fail

033-319 Fax Control task detects error**[Error Type]**

sub

[Fault Content]

A problem in Faxc2 has been detected.
(No zone can be secured; a problem has been detected during Configure processing.)

[Detection Conditions]

A problem has occurred in Fax Cont2 software processing, discontinuing the processing ever since.

[Corrective Actions]

Turn the power OFF then ON. If the problem still reoccurs, there is a strong possibility of FaxCont2 software bugs in the Controller.
Go to the following and solve the problem.
OF-07 Fax System Fail

033-320 Controller not respond when system is Booting**[Error Type]**

sub

[Fault Content]

A problem with FaxCont has been detected. (No response)

[Detection Conditions]

At Boot, the Controller has made no response for a certain time.

[Corrective Actions]

Turn the power OFF then ON.
If the problem reoccurs, go to the following and solve it.
OF-07 Fax System Fail

033-321 Fax Card not respond when system is Booting**[Error Type]**

sub

[Fault Content]

A problem with FaxCardMini has been detected. (Not installed, no response, or detection of PCCCard installed)

[Detection Conditions]

At Boot, the Fax Card has made no response for a certain time.

[Corrective Actions]

Turn the power OFF then ON.
If the problem reoccurs, go to the following and solve it.
OF-07 Fax System Fail

033-322 FAX Card I/F timeout**[Error Type]**

sub

[Fault Content]

A problem in Faxc2 has been detected.
(The I/F to faxc has timed out.)

[Detection Conditions]

No response has been made within a certain length of time in message communication from faxc2 in FAX Cont to the outside.

[Corrective Actions]

Turn the power OFF then ON.
If the problem reoccurs, go to the following and solve it.
OF-07 Fax System Fail

033-323 FAX Card Mini I/F timeout**[Error Type]**

sub

[Fault Content]

A problem in Faxc2 has been detected.
(The I/F to FaxCardMini has timed out.)

[Detection Conditions]

A problem in Faxc2 has been detected.(The I/F to FaxCardMini has timed out.)

[Corrective Actions]

Turn the power OFF then ON.
If the problem reoccurs, go to the following and solve it.
OF-14 Fax Card Fail

033-324 USB state change Error**[Error Type]**

sub

[Fault Content]

USB STATE CHANGE ERROR

[Detection Conditions]

The USB has gone into an unexpected state.

[Corrective Actions]

Turn the power OFF then ON.
If the problem reoccurs, go to the following and solve it.
OF-07 Fax System Fail

033-325 FAX Card Mini Fatal Error**[Fault Name]**

FAX Card Mini Fatal Error

[Error Type]

Subsystem

[Fault Content]

Fax Card Mini fatal error has occurred.

[Detection Conditions]

Fax Card Mini fatal error has occurred.

[Corrective Actions]

Turn the power OFF then ON.
If problem can be reproduced, fix it by the following.
OF-07 FAX System Fail

033-326 Mini Manager Fatal Error**[Error Type]**

sub

[Fault Content]

A fatal error with MiniManager

[Detection Conditions]

FAX Card Mini has detected a fatal error.

[Corrective Actions]

Turn the power OFF then ON.
If the problem persists, it is thought to be a FAX Card Mini H/W failure.
Go to the following and solve the problem.
OF-14 Fax Card Fail

033-327 FCM no response to stop request**[Error Type]**

sub

[Fault Content]

There has been no response from the FCM to a request to stop the communication.

[Detection Conditions]

When no response came from the FCM during FAX communication, the device issued a request to interrupt the communication, but has received no response.

[Corrective Actions]

Turn the power OFF then ON.
If the problem persists, it is thought to be a FAX Card Mini H/W failure.
Go to the following and solve the problem.
OF-14 Fax Card Fail

033-328 Failed to initialize fax log**[Error Type]**

sub

[Fault Content]

A failure in initializing the communication log.

[Detection Conditions]

The initialization of the communication log library has failed.

[Corrective Actions]

1. Initialize the HDD.
2. Initialize NVM.

If the problem still persists, go to the following and solve it.

OF-07 Fax System Fail

033-329 Detected fax process failuer**[Error Type]**

sub

[Fault Content]

A problem with FaxCont has been detected.

[Detection Conditions]

A problem with FaxCont has been detected.

[Corrective Actions]

1. Initialize the HDD.
2. Initailaize NVM.

If the problem still persists, go to the following and solve it.

OF-07 Fax System Fail

033-330 FoIP Unrecoverable Error**[Error Type]**

sub

[Fault Content]

A fatal sotware error in FoIP (including T38 and SIP) has occurred.

[Detection Conditions]

A fatal sotware error in FoIP (including T38 and SIP) has occurred.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-331 FoIP Controller Init Fail**[Error Type]**

subR

[Fault Content]

A failure in FoIP Controller initialization processing

[Detection Conditions]

The initialization of FoIP has failed.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-332 FoIP Cont not respond when system is Booting**[Error Type]**

subR

[Fault Content]

A problem with the FoIP Controller has been detected. (No response at boot sequence.)

[Detection Conditions]

At boot, the FoIP Cont has made no response for a certain time.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-333 FoIP Cont not respond when system is sleeping**[Error Type]**

subR

[Fault Content]

A problem with the FoIP Controller has been detected. (No response at an attempt to transit to Sleep)

[Detection Conditions]

When the device tries to transit to Sleep Mode, the FoIP Cont has made no response for a certain time.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-334 Can not send a message to FoIP CONT**[Error Type]**

subR

[Fault Content]

The device cannot send a message to the FoIP Controller.

[Detection Conditions]

The FoIP message send function has returned NG.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-335 Illegal fault code notice

[Error Type]

sub

[Fault Content]

A notice of Fault with an invalid Fault Code is received from FaxCardMini or FoIP.

[Detection Conditions]

A notice of Fault with an invalid Fault Code has been received from FaxCardMini or FoIP.

[Corrective Actions]

Power OFF the ON.

If the problem persists, perform the following:

OF-11 FAX Job Fail

033-336 Access to a non-mounted channel

[Error Type]

sub

[Fault Content]

A message to a channel that is not installed is received from FoIP. (invalid DI)

[Detection Conditions]

A message to a channel that is not installed has been received.

[Corrective Actions]

Power OFF then ON.

If the problem persists, perform the following:

OF-11 FAX Job Fail

033-337 FaxCard mismatch

[Error Type]

sub

[Fault Content]

<PCC>FaxCardMini is connected.

[Detection Conditions]

At start-up, it has been detected that FaxBox for another model is connected.

[Corrective Actions]

The proper FaxBox is not connected.

Connect the proper FaxCard.

033-338 Illegal type of FaxBox

[Error Type]

sub

[Fault Content]

'Fax Kit' is connected to the model to which 'Fax Kit 2' should be connected.

[Detection Conditions]

'Fax Kit' has been connected to the model to which 'Fax Kit 2' should be connected.

[Corrective Actions]

The proper FaxBox is not connected.

Remove the 'Fax Kit' and connect the 'Fax Kit 2 (Faxmini)'.

033-339 faxc2 not respond when system is sleeping

[Fault Name]

faxc2 not respond when system is sleeping

[Error Type]

Subsystem

[Fault Content]

When transitioning to Sleep, there is no response from faxc2.

[Detection Conditions]

The sleep transition process has failed

[Corrective Actions]

Turn the power OFF then ON.

033-340 Pflite_Fax_Log_Write_Fail

[Fault Name]

Pflite_Fax_Log_Write_Fail

[Error Type]

Subsystem

[Fault Content]

Communication log write failure at Pflite function

[Detection Conditions]

The Pflite communication log write function returned an error.

[Corrective Actions]

1. Turn OFF the power, make sure that the Control Panel has turned OFF, and then turn ON the power again.
2. Initialize the Hard Disk. If the problem persists, initialize the NVM.

If the problem still persists, perform the following:

OF-07 FAX System Fail

033-363 Fax Card Reset (Reboot)**[Error Type]**

Sub System Fail

[Fault Content]

Fax Card Reset (Reboot Fail)

[Detection Conditions]

The Controller reset the Fax Card because the Fax Card did not respond.

[Corrective Actions]

No action necessary since it will auto recover.

Perform the following and repair the problem:

OF-12 033-363 Fail

033-500 Modem CS-bit Error**[Fault Name]**

Modem CS-bit Error

[Error Type]

Job

[Fault Content]

Modem CS Operating Fault

[Detection Conditions]

Modem CS Operating Fault

[Corrective Actions]

Check the remote machine and then repeat the operation. In the case of incoming, request for resend from sender.

Check the line status, power-supply noise, and grounding.

If the problem still persists, perform the following:

OF-11 FAX Job Fail

033-501 No Appropriate PIX Data**[Error Type]**

job

[Fault Content]

The number of receiving lines was 0.

[Detection Conditions]

The number of receiving lines was 0.

[Corrective Actions]

Check the remote terminal and do the same operation again. If a fax has arrived, ask the remote terminal to resend it.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-502 Post-message resend exceeded**[Error Type]**

job

[Fault Content]

No response to a post message sent three times

[Detection Conditions]

No response to a post message sent three times

[Corrective Actions]

Check the state of the remote terminal (to see whether the memory is full, the remote terminal is under maintenance, etc.), and do the same operation again.

Or there is a possibility that the receiving terminal has become disconnected for some reason while receiving image info.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-503 T1 Timeout**[Error Type]**

job

[Fault Content]

T1 timeout

[Detection Conditions]

A T1 timeout has occurred.

[Corrective Actions]

Check the remote terminal and do the same operation again.

Check the state of the line.

Check the Fax Card.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-504 T2 Timeout**[Error Type]**

job

[Fault Content]

T2 timeout

[Detection Conditions]

A T2 timeout has occurred.

[Corrective Actions]

Check the remote terminal and do the same operation again.
Check the state of the line.
Check the Fax Card.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-505 T5 Timeout

[Error Type]

job

[Fault Content]

T5 timeout

[Detection Conditions]

A T5 timeout has occurred.

[Corrective Actions]

Check the remote terminal and do the same operation again.
Check the state of the line.
Check the Fax Card.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-506 DCN Receive

[Error Type]

job

[Fault Content]

DCN has been received.

[Detection Conditions]

DCN has been received.

[Corrective Actions]

There is a possibility of the remote terminal user's cancellation. If the remote user has not cancelled, check that the remote terminal has no problem, and do the same operation again.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-507 Unable to receive by remote

[Error Type]

job

[Fault Content]

The remote terminal has no capability to receive.

[Detection Conditions]

The remote terminal has no capability to receive.

[Corrective Actions]

Check the state of the remote terminal (to see whether the memory is full, the remote terminal is under maintenance, etc.), and do the same operation again.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-508 Destination Polling Error

[Error Type]

job

[Fault Content]

The remote terminal has no polling document.

[Detection Conditions]

The remote terminal has no polling document.

[Corrective Actions]

The remote terminal has no polling document. Ask the remote terminal to prepare polling documents, and do the same operation again.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-509 DCS/NSS Resend Exceeded

[Error Type]

job

[Fault Content]

DCS/NSS resend over

[Detection Conditions]

DCS/NSS resend over

[Corrective Actions]

Do the same operation again. If the situation still has not improved, ask the remote terminal about the state of the receiver.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-510 Fallback Error

[Error Type]

job

[Fault Content]

FTT reception at 2400bps

[Detection Conditions]

FTT reception at 2400bps

[Corrective Actions]

Check the state of the line, check for power noise, and check the grounding.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-511 No response after 3rd DTC/NSC**[Error Type]**

job

[Fault Content]

DTC/NSC resend over

[Detection Conditions]

DTC/NSC resend over

[Corrective Actions]

The remote terminal has no polling document. Check that the remote terminal has no such problems as a paper jam and a password mismatch, and do the same operation again.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-512 Remote has no Relay**[Error Type]**

job

[Fault Content]

The remote terminal has no capability to relay-broadcast.

[Detection Conditions]

The remote terminal has no capability to relay-broadcast.

[Corrective Actions]

The remote terminal has no capability to relay-broadcast. Check that the remote model is equipped with the function and do the same operation again.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

If the problem still persists, check the remote terminal. Tell the user that the remote terminal does not have the function.

033-513 Remote has no Mailbox**[Error Type]**

job

[Fault Content]

The remote terminal does not have the capability of mailbox. (FX type of mailbox)

[Detection Conditions]

The remote terminal does not have the capability of mailbox.

[Corrective Actions]

The remote terminal does not have the mailbox function. Check that the remote model is equipped with the function and do the same operation again.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

Check the remote terminal. If it does not have the function, tell it to the user.

033-514 Carrier Down Detected**[Error Type]**

job

[Fault Content]

The carrier has been shut down.

[Detection Conditions]

The carrier has been shut down.

[Corrective Actions]

Check the state of the line, check for power noise, and check the grounding.

If the problem persists, ask the sender for retransmission.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-516 EOR Receive**[Error Type]**

job

[Fault Content]

EOR-Q has been received.

[Detection Conditions]

EOR-Q has been received.

[Corrective Actions]

Check the state of the line, check for power noise, and check the grounding.

Check the remote terminal and do the same operation again. If a fax has arrived, ask the remote terminal to resend it.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-517 ECM Phase C Flag Timeout**[Error Type]**

job

[Fault Content]

Timeout between ECM frames

[Detection Conditions]

A timeout between ECM frames has occurred.

[Corrective Actions]

Do the same operation again. If the situation still has not improved, check the state of the remote terminal. If the remote terminal has a problem, tell it to the user.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-518 Remote cannot receive SUB.**[Error Type]**

job

[Fault Content]

The receiving terminal has no capability to receive SUB.

[Detection Conditions]

The receiving terminal has no capability to receive SUB.

[Corrective Actions]

Check the remote terminal. If it does not have the function, tell it to the user.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-519 PTX has no SEP capability**[Error Type]**

job

[Fault Content]

The receiving terminal has no capability to receive SEP.

[Detection Conditions]

The receiving terminal has no capability to receive SEP.

[Corrective Actions]

Check the remote terminal. If it does not have the function, tell it to the user.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-520 Remote cannot receive password**[Error Type]**

job

[Fault Content]

The receiving terminal has no capability to receive PWD/SID.

[Detection Conditions]

The receiving terminal has no capability to receive PWD/SID.

[Corrective Actions]

Check the remote terminal. If it does not have the function, tell it to the user.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-521 Transmission Canceled via DTMF**[Error Type]**

job

[Fault Content]

The device has sent an order refusal signal and stopped the communication.

[Detection Conditions]

The device has sent an order refusal signal and stopped the communication.

[Corrective Actions]

Check the state of the local terminal (to see whether the memory is full, the terminal has no paper, etc.). If the remote destination is known, ask it to do the operation again.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-522 DTMF I/F Timeout**[Error Type]**

job

[Fault Content]

DTMF I/F timeout. The proper operation has not been done within a certain length of time.

[Detection Conditions]

DTMF I/F timeout

[Corrective Actions]

The problem is thought to be in the remote operation.

Check it. If the remote operation is proper, go to the following and solve the problem.

OF-11 FAX Job Fail

033-523 Line 1 not connected**[Error Type]**

job

[Fault Content]

Channel 1 is not connected.

[Detection Conditions]

Channel 1 is not connected.

[Corrective Actions]

Check that the line is properly connected to Line 1.
If the line is connected, check the line and the switchboard.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-524 Line 2 not connected**[Error Type]**

job

[Fault Content]

Channel 2 is not connected.

[Detection Conditions]

Channel 2 is not connected.

[Corrective Actions]

Check that the line is properly connected to Line 2.
If the line is connected, check the line and the switchboard.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-525 Line 3 not connected**[Error Type]**

job

[Fault Content]

Channel 3 is not connected.

[Detection Conditions]

Channel 3 is not connected.

[Corrective Actions]

Check that the line is properly connected to Line 3
If the line is connected, check the line and the switchboard.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-526 ECM Error**[Error Type]**

job

[Fault Content]

ÇdÇbÇl error

[Detection Conditions]

ECM Error has occurred.

[Corrective Actions]

Check the state of the line, check for power noise, and check the state of the grounding.
If the problem persists, check what model the remote terminal is and do the same operation again. If a fax has arrived, ask the remote terminal to resend it.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-527 EOR Send**[Error Type]**

job

[Fault Content]

EOR-Q has been sent.

[Detection Conditions]

EOR-Q has been sent out.

[Corrective Actions]

Check the state of the line, check for power noise, and check the state of the grounding.
If the problem persists, check that the remote terminal has no problem and do the same operation again.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-528 RTN Send**[Error Type]**

job

[Fault Content]

RTN has been sent.

[Detection Conditions]

RTN has been sent out.

[Corrective Actions]

Check the state of the line, check for power noise, and check the state of the grounding.
If the problem persists, ask the sender to resend.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-529 RTN Receive**[Error Type]**

job

[Fault Content]

RTN has been received.

[Detection Conditions]

RTN has been received.

[Corrective Actions]

Check the state of the line, check for power noise, and check the state of the grounding.
If the problem persists, check that the remote terminal has no problem and do the same operation again.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-530 DTMF Illegal Procedure Error**[Error Type]**

job

[Fault Content]

Having received an illegal-procedure signal, the device has stopped the communication.

[Detection Conditions]

The device has received an illegal-procedure signal.

[Corrective Actions]

Check that the operator's way of performing the DTMF procedure is correct.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-531 DTMF Procedure Error**[Error Type]**

job

[Fault Content]

Having received an order-refusal signal, the device has stopped the communication.

[Detection Conditions]

The device has received an order-refusal signal.

[Corrective Actions]

The problem is thought to be in the remote terminal. Check the state of the remote terminal (memory full, no paper, etc.).
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-532 Illegal Command Received**[Error Type]**

job

[Fault Content]

An illegal command has been received.

[Detection Conditions]

An illegal command has been received.

[Corrective Actions]

The problem is thought to be in the remote terminal. Check the remote terminal.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-533 T.30 Protocol Error**[Error Type]**

job

[Fault Content]

An error has occurred with T.30 protocol.

[Detection Conditions]

An error has occurred with T.30 protocol.

[Corrective Actions]

The problem is thought to be in the remote terminal. Check the remote terminal.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-534 Unsupported Function at Remote**[Error Type]**

job

[Fault Content]

The remote terminal has no capability to remote-sort-copy.

[Detection Conditions]

The remote terminal has no capability to remote-sort-copy.

[Corrective Actions]

As the remote terminal does not have the function of outputting the quantity of copies to send, stop specifying the quantity of copies to send.
Check the remote terminal. If the remote terminal does not have the function, tell it to the user.
Otherwise, go to the following and solve the problem.
OF-11 FAX Job Fail

033-535 DCN Receive at Phase B Send**[Error Type]**

job

[Fault Content]

A phase B ordering command (DCS/NSS/NSC/DTC) has been refused by DCN.

[Detection Conditions]

A phase B ordering command (DCS/NSS/NSC/DTC) has been refused by DCN.

[Corrective Actions]

Check the remote address, mailbox info, etc. and do the same operation again.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-536 Ring Stopped before Fax Device Release**[Error Type]**

job

[Fault Content]

Before resource release, ringing (calling) has finished.

[Detection Conditions]

Before resource release, ringing (calling) has finished.

[Corrective Actions]

Do the same operation again.

Call-out has collided with call-in. Check how the line is connected.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-537 In and out call conflict**[Error Type]**

job

[Fault Content]

As call-out collided with call-in, the device has discontinued sending.

[Detection Conditions]

As call-out collided with call-in, the device has discontinued sending.

[Corrective Actions]

Do the same operation again.

Call-out has collided with call-in. Check how the line is connected.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-538 Fax Sending Image Process Error**[Error Type]**

job

[Fault Content]

An error in image processing for Fax sending.

[Detection Conditions]

In image processing for fax sending, some error has occurred with FaxCardMini.

[Corrective Actions]

Do the same operation again.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-539 Fax Receiving Image Process Error**[Error Type]**

job

[Fault Content]

An error in image processing for Fax receiving

[Detection Conditions]

In image processing for fax receiving, some error has occurred with FaxCardMini.

[Corrective Actions]

Do the same operation again.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-540 Fax Printing Image Process Error**[Error Type]**

job

[Fault Content]

An error in image processing for Fax print.

[Detection Conditions]

Some error has occurred with Fax-print-format image processing.

[Corrective Actions]

Do the same operation again.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-541 No destination specified**[Error Type]**

job

[Fault Content]

There is not a single valid address.

[Detection Conditions]

As the dial number is not found, the device cannot call out from FaxCard.

[Corrective Actions]

Specify the proper address by using Speed Dial where correct Fax address numbers are registered.
If the problem persists, check the software version and upgrade it to the latest version.
If the problem still persists, go to the following and solve it.
OF-11 FAX Job Fail

033-542 Selected Channel Dial Error

[Error Type]

job

[Fault Content]

The requested channel is unavailable.

[Detection Conditions]

A channel that is not installed has been requested for processing.

[Corrective Actions]

Check which line is specified and resend.
If the problem persists, go to the following and solve it.
OF-11 FAX Job Fail

033-543 Dial Error (Incorrect Dial Data.)

[Error Type]

job

[Fault Content]

Illegal data exist in dial data.

[Detection Conditions]

Illegal data exist in dial data.

[Corrective Actions]

Reenter the dial number and do the same operation again.
If the problem persists, go to the following and solve it.
OF-11 FAX Job Fail

033-544 Busy tone detect

[Error Type]

job

[Fault Content]

The Busy tone has been detected.

[Detection Conditions]

The Busy tone has been detected.

[Corrective Actions]

If the Busy tone lasts abnormally long, the remote terminal or the switchboard is thought to have failed.
If the problem persists, go to the following and solve it.
OF-11 FAX Job Fail

033-545 T0 Timeout

[Error Type]

job

[Fault Content]

T0 Timer timeout

[Detection Conditions]

A T0 timeout has occurred.

[Corrective Actions]

The remote terminal is thought to be not a facsimile or in the Facsimile mode. Check the remote number. Check that the remote terminal is a facsimile.
If the problem persists, go to the following and solve it.
OF-11 FAX Job Fail

033-546 Cannot detect dial tone

[Error Type]

job

[Fault Content]

The dial tone cannot be detected.

[Detection Conditions]

The dial tone could not be detected.

[Corrective Actions]

If the line is connected, check the line and the switchboard.
If the problem persists, go to the following and solve it.
OF-11 FAX Job Fail

033-547 Abort during transmission

[Error Type]

job

[Fault Content]

The device stops during communication. (An operation to discontinue the communication by use of Stop, etc. has been done.)

[Detection Conditions]

The device has stopped during communication. (An operation to discontinue the communication by use of Stop, etc. has been done.)

[Corrective Actions]

No action is necessary.

This indicates that an operation to discontinue the communication by use of Stop, etc. has been done.

033-548 No manual send line**[Error Type]**

job

[Fault Content]

There is no line connected.

[Detection Conditions]

There is no line for manual communication.

[Corrective Actions]

Establish communication by phone, etc. and then do the same operation again.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-549 Fax service disabled**[Error Type]**

job

[Fault Content]

The device cannot receive any service requests because it is now disabled from operating.

[Detection Conditions]

The device has been requested a service when its memory is not enough, there are too many jobs, a fail is occurring with the system, etc.

[Corrective Actions]

Wait for a while and do the same operation again.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-550 cannot disable FAX service**[Error Type]**

job

[Fault Content]

The device cannot be disabled from operating because it is doing the relevant service.

[Detection Conditions]

An attempt was made to make the device transit to the Diag mode, etc. but it was unsuccessful because the device was communicating by fax.

[Corrective Actions]

Wait until the device finishes the job in progress, and then do the same operation again.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-551 Internal I/F Error**[Error Type]**

job

[Fault Content]

There is no appropriate service available.

[Detection Conditions]

When the communication by phone or FAX was about to end, an operation was done for the job.

[Corrective Actions]

Wait for a while and do the same operation again.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-552 too many Error lines**[Error Type]**

job

[Fault Content]

PHASE-C Error Over

[Detection Conditions]

In G3 image info receiving, the total quantity of error lines detected has exceeded the threshold indicated by the system data value.

[Corrective Actions]

Check what model the remote terminal is and do the same operation again. If a fax has arrived, ask the remote terminal to resend it.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-553 no mailbox/relay**[Error Type]**

job

[Fault Content]

At mailbox transmission or relay transmission, the local terminal does not have the function.

[Detection Conditions]

F code sent from the remote terminal has instructed the local terminal on a capability that does not exist for it.

[Corrective Actions]

If necessary, ask the remote operator to check whether he or she has entered the inappropriate F code.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-554 Wrong Password/Receive Banned

[Error Type]

job

[Fault Content]

The DM Prevention function has disconnected communication.

[Detection Conditions]

Receiving FAX with no password/password mismatch or Select Receiving No. mismatch. Password mismatch. Communication from a person other than people that fall under Select Communication.

[Corrective Actions]

A password mismatch. No action is required because this communication is from a person other than people that fall under Select Communication. However, the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-555 incorrect password

[Error Type]

job

[Fault Content]

Machine Password is incorrect.

[Detection Conditions]

The machine password of the local terminal is not the same as that sent from the remote terminal.

[Corrective Actions]

If necessary, ask the remote operator if he or she specified a wrong machine password.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-556 Wrong Password/Send Banned

[Error Type]

job

[Fault Content]

Wrong send password

[Detection Conditions]

The remote ID has not been sent from the remote terminal. A mismatch between send password and remote ID.

[Corrective Actions]

A password mismatch.

Check the password and resend.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-557 Desinations or Sevices Exceeded

[Error Type]

job

[Fault Content]

The quantity of services or destinations is over the upper limit.

[Detection Conditions]

The total quantity of requested services or destinations has exceeded the number specified in the spec.

[Corrective Actions]

Wait until the quantity of jobs in a queue decreases, or reduce the quantity of destinations, and then resend.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-558 remote ID is in black list

[Error Type]

job

[Fault Content]

The remote ID of the remote terminal is on the black list.

[Detection Conditions]

The remote ID of the remote terminal has been registered on the black list of the local terminal.

[Corrective Actions]

If wanting to receive from the remote terminal, eliminate the remote ID of the remote terminal from the black list.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-559 no remote ID

[Error Type]

job

[Fault Content]

The remote ID has not been sent from the remote terminal

[Detection Conditions]

Under the setting that 'receiving from a remote terminal without its remote ID is denied' the remote machine has not sent its remote ID.

[Corrective Actions]

If wanting to receive from the remote terminal, make it possible for the local terminal to receive from it even though its remote ID is not sent. Or ask the remote machine to set up its remote ID.

If the problem persists, perform the following:

OF-11 FAX Job Fail

033-560 illegal authentication ID**[Error Type]**

job

[Fault Content]

In Tress/RCC, the authentication ID from the remote terminal has been found to be illegal.

[Detection Conditions]

In Tress/RCC, the authentication ID from the remote terminal has been found to be illegal.

[Corrective Actions]

An error while our maintenance system is in operation.

If the communication line is normal, perform the following:

Replace the FAX Board, or upgrade the ESS ROM version.

If the problem persists, perform the following:

OF-11 FAX Job Fail

033-561 cannot do TRESS/RCC job**[Error Type]**

job

[Fault Content]

The device cannot perform Tress/RCC because it is disabled from operating or is running a job.

[Detection Conditions]

The device could not perform Tress/RCC because it was disabled from operating or was running a job.

[Corrective Actions]

This is an error during the operation of our maintenance system.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-562 held RCC job**[Error Type]**

job

[Fault Content]

The device has suspended performing RCC because it is in the operation-prohibited mode.

[Detection Conditions]

The device has suspended performing RCCAs because it is in the operation-prohibited mode.

[Corrective Actions]

This is an error during the operation of our maintenance system.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-563 No printable paper size**[Error Type]**

job

[Fault Content]

In formatting, loaded is recording paper that does not match with the document in size and cannot be printed out.

[Detection Conditions]

The size of the recording paper loaded does not match with the document size.

[Corrective Actions]

- Specify the size of recording paper.
- Check that the recording paper tray is properly installed.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-564 Power Off during transmission**[Error Type]**

job

[Fault Content]

Power OFF during Communication error

[Detection Conditions]

Power OFF during Communication error. The power switch has been turned OFF. The system has been reset.

[Corrective Actions]

Check that the internal/external line kit is properly installed; wait for a while; check the FAX function settings and the dial number; and then if having tried to send a fax, resend it.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-565 No. of Desinations Exceeded**[Error Type]**

job

[Fault Content]

The quantity of destinations is over.

[Detection Conditions]

The total quantity of destinations requested has exceeded the number specified in the spec.

[Corrective Actions]

Wait until the quantity of jobs in a queue decreases, or reduce the quantity of destinations, and then resend.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-566 No destination specified**[Error Type]**

job

[Fault Content]

The device cannot call out because the dial number is not found.

[Detection Conditions]

The device cannot call out through FaxCard because the dial number is not found.

[Corrective Actions]

Specify the proper address by using Speed Dial where correct Fax address numbers are registered.

If the problem persists, check the software version and upgrade it to the latest version.

If the problem still persists, go to the following and solve it.

OF-11 FAX Job Fail

033-567 Dial Error (Incorrect Dial Data.)**[Error Type]**

job

[Fault Content]

Illegal destination data

[Detection Conditions]

Illegal data exist in dial data.

[Corrective Actions]

Reenter the dial number and do the same operation again.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-568 FCM watchdog timeout in FAX comm**[Error Type]**

job

[Fault Content]

During FAX communication, there has been no response from FCM for a certain length of time.

[Detection Conditions]

During FAX communication, there has been no response from FCM for a certain length of time.

[Corrective Actions]

Do the same operation again. If a fax has arrived, ask the remote terminal to resend it.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-569 Detected image direction conflict**[Error Type]**

job

[Fault Content]

It has been detected that the direction of the image is not the same as that of paper loaded in the paper feed trays.

[Detection Conditions]

The state is that only the SMH can feed out paper, whose direction is the same as the direction of the image.

[Corrective Actions]

Feed paper as directed on the panel.

If the problem persists, remove the Finisher, and then load an APS-selected tray with the paper whose direction is the same as the direction of the image, in order to change the state of the paper feed trays. After that, turn the power OFF then ON.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-570 Retry Over(no shutdown notification setting)**[Error Type]**

job

[Fault Content]

Retry Over due to communication disconnection

[Detection Conditions]

Power OFF during Communication error. The power switch has been turned OFF. The system has been reset.

[Corrective Actions]

Wait for a while; check the FAX function settings and the dial number; and then if having tried to send a fax, resend it.

Check the state of the local machine and the line. If the problem reoccurs in retrying the operation, go to the following and solve the problem.

OF-11 FAX Job Fail

033-571 Manual send job canceled(FaxReportLogFull)

[Error Type]

job

[Fault Content]

A manual send job has been cancelled because there is no space available in the log area for Fax Report.

[Detection Conditions]

At the start of a job, it has been detected that the area for Fax Report is full; the job becomes cancelled.

[Corrective Actions]

There accumulate a lot of Fax jobs to be sent by advance request. Wait until some of the jobs are complete, or cancel some. After that, do the same operation again.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-572 FaxReport print job canceled(JobFull occurred)**[Error Type]**

job

[Fault Content]

Because at Fax report creation, Job Full has been detected, only Fax Report has been created.

[Detection Conditions]

At the start of a job, Job Full has been detected; only a Fax Report document has been stored and printing the Fax report cancelled.

[Corrective Actions]

No action in particular is required. Fax Auto Report is waiting for its turn to be printed. The report will soon be automatically printed.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-573 domain regulation check error**[Error Type]**

job

[Fault Content]

The restriction on domains to send a fax to has made sending it impossible.

[Detection Conditions]

In specifying a destination, an unallowable domain has been specified.

[Corrective Actions]

Check the destination address and reenter it.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-574 Access to a non-mounted channel**[Error Type]**

job

[Fault Content]

A message to a channel that is not installed is received. (invalid DI)

[Detection Conditions]

The channel that is not installed has been instructed.

[Corrective Actions]

Check for an installed channel.

033-575 Modem Polarity Inversion Detected**[Error Type]**

job

[Fault Content]

Polarity Inversion is detected.

[Detection Conditions]

Polarity Inversion has been detected.

[Corrective Actions]

Retry the same operation.

033-576 Inaccurate dial data**[Error Type]**

job

[Fault Content]

Invalid dial data

[Detection Conditions]

Dial data is invalid.

[Corrective Actions]

Check the dial data.

033-577 Modem Image Under Run**[Error Type]**

job

[Fault Content]

An underrun has occurred in a modem.

[Detection Conditions]

An underrun has occurred in a modem.

[Corrective Actions]

Retry the same operation.

033-578 Modem Frame Size Over

[Error Type]

job

[Fault Content]

The frame size of the received command is over a specified value.

[Detection Conditions]

The frame size of the received command has exceeded a specified value.

[Corrective Actions]

Retry the same operation.

Check the remote machine and retry the same operation.

Check the line status.

Check the Fax Card.

033-580 Missing VoIP Gateway

[Error Type]

job

[Fault Content]

The VoIP Gateway for the telephone number is not registered.

[Detection Conditions]

The VoIP Gateway for the entered telephone number has not existed.

[Corrective Actions]

Set up properly the address of the VoIP Gateway for the device available for the entered telephone number.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-581 Access Authentication failure

[Error Type]

job

[Fault Content]

The request of the device to connect by SIP call has been refused due to authentication failure.

[Detection Conditions]

At request, authentication has been demanded but the device has failed to be authenticated.

[Corrective Actions]

Check the proxy server authentication user name and authentication password for this machine and the SIP server setting.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-582 Mismatched ability

[Error Type]

job

[Fault Content]

A request for SIP connection has been refused because of a capability info mismatch.

[Detection Conditions]

A request to connect has been refused because the destination to be connected does not have the same capability info.

[Corrective Actions]

Check the remote device. If the device is guaranteed to receive support, check how the SIP server between the remote terminal and this machine is set up.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-583 Temporarily unavailable

[Error Type]

job

[Fault Content]

The device cannot connect because the destination to connect to through SIP has a temporary lack of resources (including the busy line).

[Detection Conditions]

A request to connect to the destination has been refused because it has a temporary lack of resources .

[Corrective Actions]

Wait for a while and resend.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-584 SIP request timeout

[Error Type]

job

[Fault Content]

A SIP Communication timeout has occurred.

[Detection Conditions]

A request has timed out.

[Corrective Actions]

Check that the address or telephone number for entry is correct.

Check that the network is connected.

Check that the SIP server is active.

Check that the network cables between this machine and the SIP server and between this machine and the remote terminal are properly connected.

Check that the SIP server and the remote terminal are ready to communicate.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-585 SIP request error

[Error Type]

job

[Fault Content]

At SIP communication, an error included in other errors has occurred.

[Detection Conditions]

At SIP communication, an error included in other errors has occurred.

[Corrective Actions]

Turn the power OFF/ON.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-586 T38 Protocol Not Ready

[Error Type]

job

[Fault Content]

The device cannot communicate because IP Address is not determined yet. (at initialization by use of DHCP or at address reacquisition)

The device cannot communicate because it has tried to use the SIP server though it has not been registered with the registrar server yet.

[Detection Conditions]

IP Address cannot be obtained yet.

[Corrective Actions]

Wait for a while and resend.

Make it possible to acquire IP Address.

Make it possible to register the device with the registrar server.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-587 T38 Session Error

[Error Type]

job

[Fault Content]

T38 Session (including RTP Session) cannot be established.

[Detection Conditions]

T38 Session (including RTP Session) cannot be established.

[Corrective Actions]

Check that the network cable is connected.

Check that the remote device is active.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-588 T38 Packet Lost

[Error Type]

job

[Fault Content]

The loss of T38 Packet whose error recovery is impossible has been detected.

[Detection Conditions]

The loss of T38 Packet whose error recovery is impossible has been detected.

[Corrective Actions]

If there is another job in progress, wait until it finishes, and then retry the operation.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-589 T38 Malformed Packet Received

[Error Type]

job

[Fault Content]

The contents of the received T38 protocol data are illegal (including ASN.1 Decode error), so the job cannot be continued.

[Detection Conditions]

The contents of the received T38 protocol data have been found to be illegal (including ASN.1 Decode error).

[Corrective Actions]

Check the remote device. If the device is guaranteed to receive support, contact Customer Support.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-590 T38 Send Error

[Error Type]

job

[Fault Content]

An error has occurred in sending a T38 Protocol packet (TCP,UDP,RTP), so the job cannot be continued.

[Detection Conditions]

An error has occurred in sending a T38 Protocol packet (TCP,UDP,RTP).

[Corrective Actions]

Check that the network cable is connected.

Check that the remote device is active.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-591 FoIP Max Sessions Over**[Error Type]**

job

[Fault Content]

The device cannot communicate because the quantity of FoIP sessions has exceeded the maximum.

[Detection Conditions]

While the max quantity of FoIP sessions are in process, a new request to send has been made.

[Corrective Actions]

Wait until the ongoing IP Fax receiving or sending operation is complete, and resend.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-592 FoIP Internal Timeout**[Error Type]**

job

[Fault Content]

A timeout has occurred not because it is reported but because of any other factor (image data receiving timeout; FoIP internal timeout).

[Detection Conditions]

A timeout has occurred not because it is reported but because of any other factor (image data receiving timeout; FoIP internal timeout).

[Corrective Actions]

Check that the network cable is connected.

Check that the remote device is active.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-593 Canceled By Remote Peer**[Error Type]**

job

[Fault Content]

The device has received from the remote terminal a request to cut off the SIP session.

[Detection Conditions]

The remote terminal has done the operation for discontinuing the session.

[Corrective Actions]

Ask the remote terminal to resend.

If the problem persists, go to the following and solve it.

OF-11 FAX Job Fail

033-710 Document does not exist**[Error Type]**

Job Fail

[Fault Content]

Invalid document - No document

[Detection Conditions]

The specified document cannot be found.

[Corrective Actions]

Repeat the operation.

If NG, perform the following procedure to repair it.

OF-11 FAX Job Fail

033-711 Illegal Page inside Document**[Error Type]**

Job Fail

[Fault Content]

Invalid document - Invalid page

[Detection Conditions]

The specified page was not found or the specified page has invalid data.

[Corrective Actions]

Repeat the operation.

033-712 System Memory exceeded**[Error Type]**

Job Fail

[Fault Content]

Invalid document - Host memory full

[Detection Conditions]

Memory became full.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-713 No specified Chain Link**[Error Type]**

Job Fail

[Fault Content]

Incorrect Chain-Link No.

[Detection Conditions]

There is no such Chain-Link.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-714 Scan Error (No specified doc)**[Error Type]**

Job Fail

[Fault Content]

Data Read Error - Not registered

[Detection Conditions]

The data has not been registered.

[Corrective Actions]

Repeat the operation.

033-715 Cannot start job**[Error Type]**

Job Fail

[Fault Content]

Job Fail During EP-TRESS Operation - Restriction by the host status

[Detection Conditions]

The status in which the job cannot be performed was detected during EP-TRESS operation.

[Corrective Actions]

This error occurs during maintenance system operation of Fuji Xerox Co., Ltd. No action necessary.

If the problem persists, perform the following procedure to repair it.

OF-11 FAX Job Fail

033-716 No specified Mailbox**[Error Type]**

Job Fail

[Fault Content]

Job Fail During EP-TRESS Operation - Restriction by the host status

[Detection Conditions]

The status in which the job cannot be performed was detected during EP-TRESS operation.

[Corrective Actions]

This error occurs during maintenance system operation of Fuji Xerox Co., Ltd. No action necessary.

If the problem persists, perform the following procedure to repair it.

OF-11 FAX Job Fail

033-717 Incorrect Password**[Error Type]**

Job Fail

[Fault Content]

Job Fail - Incorrect password

[Detection Conditions]

The verification result of the specified password was NG.

[Corrective Actions]

Repeat the operation.

If NG, perform the following procedure to repair it.

OF-11 FAX Job Fail

033-718 No Document in Mailbox**[Error Type]**

Job Fail

[Fault Content]

Job Fail - No document

[Detection Conditions]

The document was not found in the Polling Sending box or the specified mailbox.

[Corrective Actions]

Repeat the operation.

If NG, perform the following procedure to repair it.

OF-11 FAX Job Fail

033-719 Fax job Cancelled not recovery job

[Error Type]

Job Fail

[Fault Content]

FAX Job Cancel Unrecoverable By Power OFF/ON

[Detection Conditions]

The document was not found in the Polling Sending box or the specified mailbox.

[Corrective Actions]

Repeat the operation.

If NG, perform the following procedure to repair it.

OF-11 FAX Job Fail

033-720 Document Creation Failed**[Error Type]**

Job Fail

[Fault Content]

Document Creation Failed

[Detection Conditions]

The specified document cannot be created.

[Corrective Actions]

Repeat the operation.

033-721 Fax Page Creation Failed**[Error Type]**

Job Fail

[Fault Content]

Page Creation Failed

[Detection Conditions]

The specified page cannot be created.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-722 Fax immediate send store job canceled**[Error Type]**

Job Fail

[Fault Content]

IIT Failure or Stop Detected While Sending FAX Immediately

[Detection Conditions]

IIT failure (document jam or stored sheet count exceeded) or stop request was detected while sending FAX immediately.

Cancellation is performed only for Read operation. The document that has been already read will continue to be sent.

[Corrective Actions]

Repeat the operation.

If NG, perform the following procedure to repair it.

OF-11 FAX Job Fail

033-724 Fax receive memory over flow**[Error Type]**

Job Fail

[Fault Content]

Receive operation was aborted because the maximum limit of the image data amount that can be received for one FAX communication was exceeded.

[Detection Conditions]

The total data amount of received image data exceeded the upper limit of the image data amount that can be received for one system data communication.

[Corrective Actions]

Install the HDD or install additional RAM when a user makes a claim.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-725 Insufficient HDD Space**[Error Type]**

Job Fail

[Fault Content]

Insufficient HD was detected.

[Detection Conditions]

The HD was full when Fax was received, or when the format or report was created.

[Corrective Actions]

Clear HD Full.

033-726 Cannot print 2-Sided**[Error Type]**

Job Fail

[Fault Content]

2-Sided Printing Not Available When Receiving Fax

[Detection Conditions]

2-Sided printing is not available when receiving Fax (mixed size).

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-727 Cannot rotate image**[Error Type]**

Job Fail

[Fault Content]

Rotation Not Available When Receiving Fax

[Detection Conditions]

Rotation is not available when receiving Fax (insufficient memory).

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-728 Auto print canceled**[Error Type]**

Job Fail

[Fault Content]

Fax Auto Print was canceled.

[Detection Conditions]

Formatting for Fax Auto Printing was aborted because the instruction for Fax Manual Printing was sent during the operation.

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-730 Fax Service recovery error**[Error Type]**

Job Fail

[Fault Content]

Unable to recover in the Fax job.

[Detection Conditions]

Recovery was not possible using the Fax Cont or Fax Card.

[Corrective Actions]

Repeat the operation.

033-731 Inconsistent Instructions**[Error Type]**

Job Fail

[Fault Content]

Start Transmission from Fax Card and Stop Transmission from Controller

[Detection Conditions]

Transmission closed due to Start Transmission from Fax Card and Stop Transmission from Controller.

[Corrective Actions]

No action necessary.

When the system was waiting to receive a Fax job, the job was canceled when a simultaneous request from the user to stop the job was received.

Stop request was issued by the user. No action necessary.

033-732 Print job canceled by forced polling**[Error Type]**

Job Fail

[Fault Content]

Print job received was canceled at Forced Polling.

[Detection Conditions]

Print job received was canceled at Forced Polling.

[Corrective Actions]

No action necessary.

(If there is a print job when deleting the stored documents in Forced Polling, cancel the job.

No action necessary since the print job is canceled after retrieving the document with Forced Polling.)

033-733 Fax document number get error**[Error Type]**

Job Fail

[Fault Content]

The number of FAX job documents was not detected.

[Detection Conditions]

The number of job documents related to the job could not be obtained.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-734 Fax Print Suspension

[Error Type]

Job Fail

[Fault Content]

Fax Print and Fax Auto Report were started at the same time.

[Detection Conditions]

Job was canceled because Fax Print and Fax Auto Report were started at the same time.

[Corrective Actions]

If the problem persists, refer to the following procedure to repair it.

OF-11 FAX Job Fail

033-735 Fax Memory Allocate Timeout

[Error Type]

Job Fail

[Fault Content]

Fax Receive - Buffer Allocate Timeout

[Detection Conditions]

Fax Receive - Buffer Allocate Timeout

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-736 Internet FAX Off Ramp fail

[Error Type]

Job Fail

[Fault Content]

With the Fax Transfer Prohibition function based on the data capacity of the Internet FAX Off Ramp, Fax was not transferred as the upper limit on the data capacity was exceeded.

[Detection Conditions]

The data amount for FAX transfer exceeded the threshold during FAX transfer of Internet FAX Off Ramp.

[Corrective Actions]

No action necessary.

033-737 Fax card job canceled

[Error Type]

Job Fail

[Fault Content]

Job in FaxCard was aborted due to Controller internal error.

[Detection Conditions]

The Fax Cont detected a failure and could not continue processing the job.

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-738 JBIG Information fail

[Error Type]

Job Fail

[Fault Content]

JBIG data error of JBIG image

[Detection Conditions]

The Fax Cont detected an error in JBIG data during coding/decoding of the JBIG data.

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-740 Fax immediate receive print canceled

[Error Type]

Job Fail

[Fault Content]

Immediate Print on Receive was canceled by user.

[Detection Conditions]

The user canceled immediate printing upon receiving.

[Corrective Actions]

No action necessary.

033-741 Fax page read open timeout

[Error Type]

Job Fail

[Fault Content]

Page Read Open Instruction timed out.

[Detection Conditions]

When transferring image data to the Fax Card, the conditions for sending the response to the Fax Card did not match.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-742 Fax page read close timeout

[Error Type]

Job Fail

[Fault Content]

Timeout by page lead close specification (Out of memory during manual sending)

[Detection Conditions]

When transferring image data to the Fax Card, the conditions for sending the response to the Fax Card did not match.

This often occurs when the HD free area is equal to or less than the HD capacity immediate threshold (820-053) during immediate send operation.

[Corrective Actions]

When the remaining memory is low at approx. 10%, delete the images stored in the HD to secure the HD capacity and perform the same operation again.

Set the HD capacity immediate threshold (820-053) to a larger value if this occurred during immediate send operation.

When this problem occurs in situations other than immediate send operation, or if the problem persists, perform the following procedure to repair it.

OF-11 FAX Job Fail

033-743 Fax page write open timeout

[Error Type]

Job Fail

[Fault Content]

Page Write Open Instruction Timeout

[Detection Conditions]

When receiving image data from the Fax Card, the conditions for sending the response to the Fax Card did not match.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-744 Fax page write close timeout

[Error Type]

Job Fail

[Fault Content]

Page Write Close Instruction Timeout

[Detection Conditions]

When receiving image data from the Fax Card, the conditions for sending the response to the Fax Card did not match.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-745 Fax data write timeout

[Error Type]

Job Fail

[Fault Content]

Data Write Instruction Timeout

[Detection Conditions]

When receiving image data from the Fax Card, the conditions for sending the response to the Fax Card did not match.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-746 Fax data read timeout

[Error Type]

Job Fail

[Fault Content]

Data Read Instruction Timeout

[Detection Conditions]

When transferring image data to the Fax Card, the conditions for sending the response to the Fax Card did not match.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-747 Fax Service don't start by cross ope

[Error Type]

Job Fail

[Fault Content]

Service could not be accepted due to combined operations that are prohibited.

[Detection Conditions]

When requesting to start the service from the Fax Card, the job could not be created due to causes such as job no. overflow.

[Corrective Actions]

No action necessary since it will be recovered automatically after the operation is allowed.

033-748 Fax Service illegal sequence

[Error Type]

Job Fail

[Fault Content]

Sequence error message received.

[Detection Conditions]

During Service Sequencing, a message indicating that the operation was not allowed in Sequencing was received from the Fax Card.

[Corrective Actions]

Repeat the operation.

033-749 Fax card Memory Error

[Error Type]

Job Fail

[Fault Content]

Extended memory was temporarily insufficient during FAX formatting.

[Detection Conditions]

During Fax formatting, the extended image data is larger than the memory reserved.

[Corrective Actions]

No action necessary since the job failed due to insufficient extended memory and it can be recovered using the encoding method that can be stored in the extended memory.

033-750 Fax format error

[Error Type]

Job Fail

[Fault Content]

Extension error occurred for normal image data.

[Detection Conditions]

During formatting, when image data was retrieved from the Fax Card, even though the image data was determined to be free from error, extension failed.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

033-751 Activity Report suspended by Printing Inhibition

[Error Type]

Job Fail

[Fault Content]

When a communication management report occurred at a print prohibited time period, the machine just goes into sleep mode and the report output is postponed.

[Detection Conditions]

A communication management report occurred at a print prohibited time period, and it is postponed as the machine just goes into sleep mode.

[Corrective Actions]

No action is necessary as it will automatically restart after exiting the print prohibited time period.

033-755 Fax printing is canceled by the defect of Fax card.

[Error Type]

Job Fail

[Fault Content]

The Fax document print was cancelled because the Fax service is not working.

[Detection Conditions]

Although Fax Document Print was instructed to this machine, the print process was cancelled because the Fax Document Print controller is not ready. If even a single Fax document exists when printing multiple types of documents (Print/Scan/Fax) from a mailbox, all documents after the Fax document will not be printed.

[Corrective Actions]

1. Turn the power OFF then ON
2. Check the cables to see whether the Fax Card is connected to this machine.
3. After that, use the panel display or the error history report to check for the Fax error code (133-xxx, 134-xxx) that has occurred in this machine and then troubleshoot using the appropriate error code.

If the problem persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the Support G for instructions.

2.5.1 Log collection/extraction tool function explanation

033-790 EP-DX Call Wait (Not Redial count)

[Error Type]

Job Fail

[Fault Content]

The Fax Card Redial Wait Status was set without calculating the no. of redial attempts.

[Detection Conditions]

The machine is in the status where EP-DX operation cannot be started.

- It is necessary to enter the Diag. mode during EP-DX periodic polling.
When a call is requested from the Fax Card, this is used as the response when Diag. mode cannot be entered.

[Corrective Actions]

This error occurs during maintenance system operation of Fuji Xerox Co., Ltd. No action necessary.

1. Exit Diag. mode and then connect the TRESS.

If the problem persists, perform the following procedure to repair it.

OF-11 FAX Job Fail

033-791 EP-DX Call Wait (Redial count)**[Error Type]**

Job Fail

[Fault Content]

The no. of redial attempts was calculated and the Fax Card Redial Wait Status was set.

[Detection Conditions]

An error occurred in communication LED control. The machine is in the status where EP-DX operation cannot be started.

- It is necessary to enter Diag. mode during EP-DX periodic polling.
When a call is requested from the Fax Card, this is used as the response when Diag. mode cannot be entered.

[Corrective Actions]

This error occurs during maintenance system operation of Fuji Xerox Co., Ltd. No action necessary.

1. Exit Diag. mode and then connect the TRESS.

If the problem persists, perform the following procedure to repair it.

OF-11 FAX Job Fail

033-792 EP-DX Call Stop**[Error Type]**

Job Fail

[Fault Content]

The RCC Service was immediately terminated.

[Detection Conditions]

During initialization sequencing, the system detected that an invalid job had been activated from the Fax Card.

- It is necessary to enter Diag. mode during EP-DX periodic polling.
When a call is requested from the Fax Card, this is notified as the response when Diag. mode cannot be entered.

[Corrective Actions]

This error occurs during maintenance system operation of Fuji Xerox Co., Ltd. No action necessary.

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-11 FAX Job Fail

034-211 Slot1 Board failure

[Error Type]

Local Fail

[Fault Content]

Fax Option Slot 1 Board Failure

[Detection Conditions]

Option Slot 1 Board failure.

[Corrective Actions]

Replace the optional Slot 1 Board.

034-212 Slot2 Board failure

[Error Type]

Local Fail

[Fault Content]

Fax Option Slot 2 Board Failure

[Detection Conditions]

Option Slot 2 Board failure.

[Corrective Actions]

Replace the optional Slot 2 Board.

034-500 Dial Error (Incorrect Dial Data.)

[Error Type]

Job Fail

[Fault Content]

There was incorrect (illegal) data in the dial data.

[Detection Conditions]

There was incorrect (illegal) data in the dial data.

[Corrective Actions]

Dial again and then repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-501 Selected Channel Dial Error

[Error Type]

Job Fail

[Fault Content]

The specified channel was not found.

[Detection Conditions]

The process was requested for uninstalled channel.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-502 Fax Internal Must Parameter Error

[Error Type]

Job Fail

[Fault Content]

A required parameter (Dial No., High Layer Compatibility, or ICM Port) is not found in the outgoing call request command.

[Detection Conditions]

A required parameter (Dial No., High Layer Compatibility, or ICM Port) is not found in the outgoing call request command.

[Corrective Actions]

Check the software version and upgrade it to the latest version. If the problem persists, it must be a software failure. Contact Support G or replace the Fax Card. It is not necessary to replace the ESS PWB.

034-503 Fax Internal High Layer Service Error

[Error Type]

Job Fail

[Fault Content]

The high-layer consistency of the calling request command is not supported. (Other than TEL, G2/G3 and G4.)

[Detection Conditions]

The high-layer consistency of the calling request command is not supported. (Other than TEL, G2/G3 and G4.)

[Corrective Actions]

Check the software version and upgrade it to the latest version. If the problem persists, it must be a software failure. Contact Support G or replace the Fax Card. It is not necessary to replace the ESS PWB.

034-504 Fax Stored Memory Exceeded

[Error Type]

Job Fail

[Fault Content]

The system detected Memory Full at the transmission job. (Storage memory is insufficient.)

[Detection Conditions]

The system detected Memory Full at the transmission job. (Storage memory is insufficient.)

[Corrective Actions]

Repeat the operation.

034-505 Fax Work Memory Exceeded**[Error Type]**

Job Fail

[Fault Content]

Working Memory Overflow During Transmission

[Detection Conditions]

Working Memory Overflow During Transmission

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-506 Unsupported Function at Remote**[Error Type]**

Job Fail

[Fault Content]

No remote sort copy feature in the remote machine.

[Detection Conditions]

No remote sort copy function in the remote machine.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-507 Password Check Error**[Error Type]**

Job Fail

[Fault Content]

Password check error. Mailbox number error. No documents for polling are found.

[Detection Conditions]

Password check error. Mailbox number error. No documents for polling are found.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-508 Transmission Canceled via DTMF**[Error Type]**

Job Fail

[Fault Content]

The system sent a reject command signal and stopped the transmission.

[Detection Conditions]

The system sent a reject command signal and stopped the transmission.

[Corrective Actions]

Check that extension line kit is installed properly. Wait for a while then check the FAX function settings and dial numbers and resend data if needed.

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-509 DTMF Illegal Procedure Error**[Error Type]**

Job Fail

[Fault Content]

The system stopped transmission after receiving the invalid procedure signal.

[Detection Conditions]

The system stopped transmission after receiving the invalid procedure signal.

[Corrective Actions]

Check the self-terminal or the line status.

- Wait for a while and try again.
- Check your machine or line status.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-510 DTMF Procedure Error**[Error Type]**

Job Fail

[Fault Content]

The system stopped transmission after receiving the reject command signal.

[Detection Conditions]

The system stopped transmission after receiving the reject command signal.

[Corrective Actions]

Check the settings of the remote machine or line status.

- Wait for a while and try again.
- Check your machine or line status.

If the problem persists, perform the following procedure to repair it.

034-511 Unable to Send File at Remote

[Error Type]

Job Fail

[Fault Content]

The remote machine does not support the file transfer function.

[Detection Conditions]

The remote machine does not support the file transfer function.

[Corrective Actions]

Check the settings of the remote machine or line status.

- Wait for a while and try again.
- Check your machine or line status.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-512 Detect Endless Loop

[Error Type]

Job Fail

[Fault Content]

An infinite loop was detected in remote relay broadcast.

[Detection Conditions]

An infinite loop was detected in remote relay broadcast.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-513 Receive Command Error

[Error Type]

Job Fail

[Fault Content]

The system received an illegal command from the remote machine in remote maintenance.

[Detection Conditions]

The system received an illegal command from the remote machine in remote maintenance.

[Corrective Actions]

Repeat the operation.

034-514 Requested Function Unsupported

[Error Type]

Job Fail

[Fault Content]

The system received remote maintenance request from the remote machine but does not support the function.

[Detection Conditions]

The system received remote maintenance request from the remote machine but does not support the function.

[Corrective Actions]

- Check the system data.
- Check the remote machine (EP system).

034-515 Illegal Command Received

[Error Type]

Job Fail

[Fault Content]

DIS received from calling station. DCS received although the system have no capability to receive. Illegal command received.

[Detection Conditions]

DIS received from calling station. DCS received although the system have no capability to receive. Illegal command received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-519 No. of Desinations Exceeded

[Error Type]

Job Fail

[Fault Content]

No. of Fax Recipients Exceeded

[Detection Conditions]

The total number of the requested recipients exceeded the number defined by the specifications. (The number of full dial instructions exceeded 200 stations.)

[Corrective Actions]

Reduce the no. of recipients and then repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-520 No. of Sevices Exceeded

[Error Type]

Job Fail

[Fault Content]

No. of Fax Services Exceeded

[Detection Conditions]

The total number of the requested services exceeded the number defined by the specifications.

[Corrective Actions]

Reduce the no. of services and then repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-521 Internal I/F Error**[Error Type]**

Job Fail

[Fault Content]

No Fax Applicable Service

[Detection Conditions]

The service specified by SI not found. (Due to Close Sequence, this error may not be able to be returned.)

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

034-522 No manual send Line**[Error Type]**

Job Fail

[Fault Content]

No Closed Lines

[Detection Conditions]

There are no lines for manual transmission.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-523 Fax service disabled**[Error Type]**

Job Fail

[Fault Content]

Operation Prohibition Status

[Detection Conditions]

The system cannot accept the service because Fax operation was prohibited due to EP-TRESS or Diag Services.

[Corrective Actions]

Wait for cancelation of prohibition.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-524 Unable to cancel operation**[Error Type]**

Job Fail

[Fault Content]

Unable to prohibit the operation.

[Detection Conditions]

The service cannot be prohibited because it was in operation.

[Corrective Actions]

Wait for a while and try again.

034-525 Specified Chainlink not exist**[Error Type]**

Job Fail

[Fault Content]

Incorrect Chain-Link No.

[Detection Conditions]

There is no such Chain-Link.

[Corrective Actions]

Enter the correct Chain-Link No.

034-526 Chainlink No. out of scope**[Error Type]**

Job Fail

[Fault Content]

Incorrect Chain-Link No.

[Detection Conditions]

The Chain-Link No. is out of range.

[Corrective Actions]

Enter the Chain-Link No. within the range.

034-527 Dial Control Error

[Error Type]

Job Fail

[Fault Content]

Dial Request Overflow

[Detection Conditions]

Dial request overflow.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

034-528 Cannot perform manual send

[Error Type]

Job Fail

[Fault Content]

Manual transmission was requested during dialing.

[Detection Conditions]

Manual transmission was requested during dialing.

[Corrective Actions]

Repeat the operation when dialing is not performed.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-529 No printable paper size

[Error Type]

Job Fail

[Fault Content]

At output check printing/received data printing, a record paper not applicable for printing the document size was loaded.

[Detection Conditions]

At output check printing/received data printing, a record paper not applicable for printing the document size was loaded.

[Corrective Actions]

Request for user actions.

- Check the size of the paper loaded in the tray.

- Specify the recording paper size.
- Check if the tray has been set properly.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-530 DTMF I/F Timeout

[Error Type]

Job Fail

[Fault Content]

DTMF I/F timed out. Correct operation was not performed within the specified time.

[Detection Conditions]

Correct operation was not performed within the specified time.

[Corrective Actions]

Perform correct operations.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-550 Downloader Fail

[Error Type]

Job Fail

[Fault Content]

An error has occurred during the process of writing data to the FaxCard-ROM. (During DLD method)

[Detection Conditions]

An error was detected when writing data to the FaxCard-ROM

Not able to carry out normal operation because ROM content is missing.

[Corrective Actions]

Retry job. If retry failed, replace the FaxCard-ROM and perform VerUP operation on the DLD method again.

034-700 GCPLock-G3DicepBusy-CodecHang

[Error Type]

Job Fail

[Fault Content]

- GCP Lock (Date task noRTC ACK).
- Timeout occurred for G3 Dicep without becoming idle.
- Codec hung up.

[Detection Conditions]

- GCP Lock (Date task noRTC ACK). Hardware Failure, Software I/F Error.
- Timeout occurred for G3 Dicep without becoming idle.
- Codec hung up.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

034-701 Software Reset**[Error Type]**

Job Fail

[Fault Content]

Reset the software.

[Detection Conditions]

Reset the software.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

034-702 No destination specified**[Error Type]**

Job Fail

[Fault Content]

Unable call the Fax line because the specified dial number is incorrect.

[Detection Conditions]

The Fax Card is not able to call because the dial data does not exist.

After job registration, the corresponding speed dial may have been deleted.

[Corrective Actions]

1. Check that the speed dial has been registered and then specify the appropriate address such as the correct speed dial number.

If the problem persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

034-703 D Channellink cut from network**[Error Type]**

Job Fail

[Fault Content]

D Channel Link cutoff (Open DL-Link Display received)/Network link cutoff

[Detection Conditions]

D Channel Link cutoff (Open DL-Link Display received)/Network link cutoff

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-704 ISDN D Channel Data Link Error**[Error Type]**

Job Fail

[Fault Content]

- D channel link cutoff (Open DL-Link Display received) - TEI Allocation Error
- A DISC command was received with multi-frame set and timer recovered.
- An UA response was received with TEI allocated, multi-frame set and timer recovered.

[Detection Conditions]

- D channel link cutoff (Open DL-Link Display received) - TEI Allocation Error
- A DISC command was received with multi-frame set and timer recovered.
- An UA response was received with TEI allocated, multi-frame set and timer recovered.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-705 ISDN Layer 1 Stopped-Power on**[Error Type]**

Job Fail

[Fault Content]

D channel link cutoff (Open DL-Link Display received) - Layer 1 stopped - powered

[Detection Conditions]

- D channel link cutoff (Open DL-Link Display received) - Layer 1 stopped - powered

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-706 ISDN Layer 1 Stopped-Power off**[Error Type]**

Job Fail

[Fault Content]

D channel link cutoff (Open DL-Link Display received) - Layer 1 stopped - powered (socket plugged out)

[Detection Conditions]

- D channel link cutoff (Open DL-Link Display received) - Layer 1 stopped - powered (socket plugged out)

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-707 FRMR Received

[Error Type]

Job Fail

[Fault Content]

FRMR Received

[Detection Conditions]

FRMR received.

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-708 Illegal Frame Received N(R)

[Error Type]

Job Fail

[Fault Content]

Illegal Frame Received N (R) error

[Detection Conditions]

Illegal Frame Received N (R) error.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-709 Illegal Frame Received

[Error Type]

Job Fail

[Fault Content]

Illegal Frame Received

[Detection Conditions]

Illegal Frame Received

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-710 DL Link Establishment Received

[Error Type]

Job Fail

[Fault Content]

- DL-Link Establishment Display Received (network link resetting)
- DM of F=1 was received when waiting for link setting and link resetting.

[Detection Conditions]

- DL-Link Establishment Display Received (network link resetting)
- DM of F=1 was received when waiting for link setting and link resetting.

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-711 Waiting for link Timeout

[Error Type]

Job Fail

[Fault Content]

- Link Establishment Wait Timeout
- Link setup failed. T.200 timeout has occurred N.200 times when waiting for link connection or reconnection.

[Detection Conditions]

- Link Establishment Wait Timeout
- Link setup failed. T.200 timeout has occurred N.200 times when waiting for link connection or reconnection.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-712 Internal Error (Interrupt)

[Error Type]

Job Fail

[Fault Content]

Primitive Send Error (Internal Interruption Error)

[Detection Conditions]

Primitive Send Error (Internal Interruption Error)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-713 Timeout-Transmission canceled**[Error Type]**

Job Fail

[Fault Content]

Outgoing Call Timeout (T303 2nd Time)

[Detection Conditions]

Outgoing Call Timeout (T303 2nd Time)

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-714 Line Disconnected-Timeout T305**[Error Type]**

Job Fail

[Fault Content]

Disconnected Timeout (T305)

[Detection Conditions]

Disconnected Timeout (T305)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-715 Line Disconnected-Timeout 3082**[Error Type]**

Job Fail

[Fault Content]

Disconnected Timeout (T308 2nd Time)

[Detection Conditions]

Disconnected Timeout (T308 2nd Time)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-716 Connection Timeout (T313)**[Error Type]**

Job Fail

[Fault Content]

Incoming Call Response Timeout (T313)

[Detection Conditions]

Incoming Call Response Timeout (T313)

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-717 Resume Timeout**[Error Type]**

Job Fail

[Fault Content]

Resume Timeout (T318)

[Detection Conditions]

Resume Timeout (T318)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-718 Normal Disconnection**[Error Type]**

Job Fail

[Fault Content]

- Connection Cut Off Or Resumed
- Normal Disconnection

[Detection Conditions]

- Connection Cut Off Or Resumed
- Normal Disconnection

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-719 No free and available lines

[Error Type]

Job Fail

[Fault Content]

- No Available Channel
- The channel was not allowed.

[Detection Conditions]

- No Available Channel
- The channel was not allowed.

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-720 Timeout (60s,T330,309,301,310)

[Error Type]

Job Fail

[Fault Content]

- 60sec Card Timer Timeout
- T.330 Timeout (Response Message Timeout)
- T.309 Timeout (Link Resetting Error)
- T.301 Timeout (Response Message Timeout)
- T.310 Timeout (Call, Response Message Timeout)

[Detection Conditions]

- 60sec Card Timer Timeout
- T.330 Timeout (Response Message Timeout)
- T.309 Timeout (Link Resetting Error)
- T.301 Timeout (Response Message Timeout)
- T.310 Timeout (Call, Response Message Timeout)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-721 Error (Format, Contents)

[Error Type]

Job Fail

[Fault Content]

Upper level primitive format error and content error.

[Detection Conditions]

Upper level primitive format error and content error.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

034-722 Suspension Timeout

[Error Type]

Job Fail

[Fault Content]

- Suspension Timeout
- Suspension Confirmation Message Timeout

[Detection Conditions]

- Suspension Timeout
- Suspension Confirmation Message Timeout

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-723 No Timer Assigned

[Error Type]

Job Fail

[Fault Content]

No Timer Assigned

[Detection Conditions]

No Timer Assigned

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

034-724 Illegal Sequence

[Error Type]

Job Fail

[Fault Content]

Abnormal Sequence (Self-Terminal ID Setting Mismatch)

[Detection Conditions]

Abnormal Sequence (Self-Terminal ID Setting Mismatch)

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-725 L3 Task Internal Error**[Error Type]**

Job Fail

[Fault Content]

L3 Task Internal Error

[Detection Conditions]

L3 Task Internal Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-726 HD81501 I/F Buffer Busy**[Error Type]**

Job Fail

[Fault Content]

HD81501 I/F Buffer Busy

[Detection Conditions]

HD81501 I/F Buffer Busy

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-727 No Reply for 3 sec. for 1300Hz**[Error Type]**

Job Fail

[Fault Content]

To 1,300Hz incoming call, the task did not respond for 3sec or more.

[Detection Conditions]

To 1,300Hz incoming call, the task did not respond for 3sec or more.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

034-728 Invalid Destination**[Error Type]**

Job Fail

[Fault Content]

Unable call the recipient because the specified dial number is incorrect.

[Detection Conditions]

Unable to call because the dial data is incorrect.

[Corrective Actions]

Check the dial number of the recipient again and retry the operation.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

034-729 Line cut, In-Channel PB Send**[Error Type]**

Job Fail

[Fault Content]

The line was disconnected during In-Channel PB Send.

[Detection Conditions]

The line was cut off during In-Channel PB Send.

[Corrective Actions]

If the problem persists after installing the line, perform the following procedure to repair it.

OF-11 FAX Job Fail

034-730 In and out call conflict**[Error Type]**

Job Fail

[Fault Content]

Conflict between outgoing and incoming calls.

[Detection Conditions]

Conflict between outgoing and incoming calls.

This occurs when the external/extension line kit is not installed properly.

[Corrective Actions]

Same as 034-508. (Check that the external/extension line kit is installed properly.)

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-11 FAX Job Fail

034-731 Fax Network Cut (Setup Error)

[Error Type]

Job Fail

[Fault Content]

Call setting cut off from network.

[Detection Conditions]

Call setting cut off from network.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-732 Fax Network Cut due to Timeout

[Error Type]

Job Fail

[Fault Content]

F Network Cutoff Timeout

[Detection Conditions]

F Network Cutoff Timeout

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-733 Incorrect Sequence, Call Status

[Error Type]

Job Fail

[Fault Content]

- Incorrect Sequence
- Call status mismatch was detected.

[Detection Conditions]

- Incorrect Sequence
- Call status mismatch was detected.

[Corrective Actions]

If the problem persists after installing the line, perform the following procedure to repair it.

OF-11 FAX Job Fail

034-734 HI Task Internal Error

[Error Type]

Job Fail

[Fault Content]

HI Task Internal Error

[Detection Conditions]

HI Task Internal Error

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

034-735 Connect only to ISDN D Channel

[Error Type]

Job Fail

[Fault Content]

Connect only to D Channel and receive

[Detection Conditions]

Connect only to D Channel and receive.

[Corrective Actions]

If the problem persists after installing the line, perform the following procedure to repair it.

OF-11 FAX Job Fail

034-736 Wrong notice from fax network

[Error Type]

Job Fail

[Fault Content]

Wrong message from network

[Detection Conditions]

Wrong message from network.

[Corrective Actions]

If the problem persists after installing the line, perform the following procedure to repair it.

OF-11 FAX Job Fail

034-737 Incoming call response error**[Error Type]**

Job Fail

[Fault Content]

Not selected for incoming call response.

[Detection Conditions]

Not selected for incoming call response.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-738 Layer 1 Start Up Error**[Error Type]**

Job Fail

[Fault Content]

Layer 1 Startup Error (Startup Timeout)

[Detection Conditions]

Layer 1 Startup Error (Startup Timeout)

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-739 Layer 1 not synchronized**[Error Type]**

Job Fail

[Fault Content]

Layer 1 Not Synchronized (Asynchronized Timer Timeout)

[Detection Conditions]

Layer 1 Not Synchronized (Asynchronized Timer Timeout)

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-740 Transmission of Frame Error**[Error Type]**

Job Fail

[Fault Content]

Frame Transmssion Error (Frame Transmission Completion Timeout)

[Detection Conditions]

Frame Transmssion Error (Frame Transmission Completion Timeout)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-741 Unable to Send Frame**[Error Type]**

Job Fail

[Fault Content]

Unable to send frame. (Frame transmission retry exceeded the limit.)

[Detection Conditions]

Unable to send frame. (Frame transmission retry exceeded the limit.)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-742 Frame Send Underrun Detected**[Error Type]**

Job Fail

[Fault Content]

Frame Transmission Underrun Detected

[Detection Conditions]

Frame Transmission Underrun Detected

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-743 Abnormal frame-sending DMA

[Error Type]

Job Fail

[Fault Content]

Frame Send DMA was abnormally terminated.

[Detection Conditions]

Frame Send DMA was abnormally terminated.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-744 Unacceptable Channel**[Error Type]**

Job Fail

[Fault Content]

The Channel was not allowed.

[Detection Conditions]

The Channel was not allowed.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-745 Outgoing call to channel set**[Error Type]**

Job Fail

[Fault Content]

Outgoing call to channel set

[Detection Conditions]

Outgoing call to channel set

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-746 No usable lines**[Error Type]**

Job Fail

[Fault Content]

No Available Line

[Detection Conditions]

No Available Line

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-747 Switching equipment congestion**[Error Type]**

Job Fail

[Fault Content]

Switching Equipment Congestion

[Detection Conditions]

Switching Equipment Congestion

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-748 Specified line cannot be used**[Error Type]**

Job Fail

[Fault Content]

Specified Channel Not Allowed

[Detection Conditions]

Specified Channel Not Allowed

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-749 Network Conjestion Error**[Error Type]**

Job Fail

[Fault Content]

Others (Network Congestion)

[Detection Conditions]

Others (Network Congestion)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-750 Network Error**[Error Type]**

Job Fail

[Fault Content]

Network Error

[Detection Conditions]

Network Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-751 Temporary Network Error**[Error Type]**

Job Fail

[Fault Content]

- Temporary Network Error
- Temporary Error

[Detection Conditions]

- Temporary Network Error
- Temporary Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-752 Destination terminal busy**[Error Type]**

Job Fail

[Fault Content]

Remote Terminal Busy

[Detection Conditions]

Remote Terminal Busy

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-753 Destination not responding**[Error Type]**

Job Fail

[Fault Content]

Remote User Not Responding

[Detection Conditions]

Remote User Not Responding

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-754 No response from Destination**[Error Type]**

Job Fail

[Fault Content]

No response from remote user to call

[Detection Conditions]

No response from remote user to call

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-755 Destination rejecting call**[Error Type]**

Job Fail

[Fault Content]

Remote Terminal Rejected Transmission

[Detection Conditions]

Remote Terminal Rejected Transmission

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-756 Destination Faulty

[Error Type]

Job Fail

[Fault Content]

Remote Terminal Failure

[Detection Conditions]

Remote Terminal Failure

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-757 Others (Normal, Semi-normal)

[Error Type]

Job Fail

[Fault Content]

Others (Normal, Semi-Normal Class)

[Detection Conditions]

Others (Normal, Semi-Normal Class)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-758 Incorrect Destination Fax Dial No

[Error Type]

Job Fail

[Fault Content]

Missing Number Or Dial Error

[Detection Conditions]

Missing Number Or Dial Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-759 No Relay Network Route

[Error Type]

Job Fail

[Fault Content]

No Relay Network Route

[Detection Conditions]

No Relay Network Route

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-760 No Line To Destination

[Error Type]

Job Fail

[Fault Content]

No Route to Remote Terminal

[Detection Conditions]

No Route to Remote Terminal

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-761 Incorrect Format Destination Fax No.

[Error Type]

Job Fail

[Fault Content]

Invalid Number Format (Incomplete Number)

[Detection Conditions]

Invalid Number Format (Incomplete Number)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-762 Facility rejected

[Error Type]

Job Fail

[Fault Content]

Facility Rejected

[Detection Conditions]

Facility Rejected

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-763 Com. Capability disallowed**[Error Type]**

Job Fail

[Fault Content]

Communication Capability Not Allowed

[Detection Conditions]

Communication Capability Not Allowed

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-764 Com. Capability not configured**[Error Type]**

Job Fail

[Fault Content]

Communication Capability Not Configured

[Detection Conditions]

Communication Capability Not Configured

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-765 Error by service,feature limit**[Error Type]**

Job Fail

[Fault Content]

- Others (Service provided not allowed)
- Other resources cannot be used.
- Facility requested not subscribed.

[Detection Conditions]

- Others (Service provided not allowed)
- Other resources cannot be used.

- Facility requested not subscribed.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-766 Selected com. not implemented**[Error Type]**

Job Fail

[Fault Content]

Specified Communication Capability Not Defined

[Detection Conditions]

Specified Communication Capability Not Defined

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

034-767 Selected mode not implemented**[Error Type]**

Job Fail

[Fault Content]

Specified Channel Type Not Defined

[Detection Conditions]

Specified Channel Type Not Defined

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-768 Restricted Digital Info. Only**[Error Type]**

Job Fail

[Fault Content]

Restricted Digital Information Only

[Detection Conditions]

Restricted Digital Information Only

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

034-769 Error by service, feature

[Error Type]

Job Fail

[Fault Content]

- Others (Service not provided)
- A facility not provided was requested.

[Detection Conditions]

- Others (Service not provided)
- A facility not provided was requested.

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-770 Reply to status query

[Error Type]

Job Fail

[Fault Content]

Reply to Status Query

[Detection Conditions]

Reply to Status Query

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-771 Access information discarded

[Error Type]

Job Fail

[Fault Content]

Fax Information Discarded

[Detection Conditions]

Fax Information Discarded

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-772 Inter-working connection error

[Error Type]

Job Fail

[Fault Content]

Others (Inter-related Connections)

[Detection Conditions]

Others (Inter-related Connections)

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

034-773 Invalid Dial No. Specified

[Error Type]

Job Fail

[Fault Content]

Invalid Dial No. Specified

[Detection Conditions]

Invalid Dial No. Specified

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-774 Invalid Line Specified

[Error Type]

Job Fail

[Fault Content]

Invalid Channel No. Specified

[Detection Conditions]

Invalid Channel No. Specified

[Corrective Actions]

Repeat the operation.

034-775 Others (Invalid Message Class)

[Error Type]

Job Fail

[Fault Content]

Others (Invalid Messages)

[Detection Conditions]

Others (Invalid Messages)

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-776 Insufficient Required Info.**[Error Type]**

Job Fail

[Fault Content]

Insufficient Information

[Detection Conditions]

Insufficient Information

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-777 Undefined Message Type**[Error Type]**

Job Fail

[Fault Content]

Message Type Undefined

[Detection Conditions]

Message Type Undefined

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-778 Incorrect Message or Type**[Error Type]**

Job Fail

[Fault Content]

Call status inconsistent with message, or message type undefined.

[Detection Conditions]

Call status inconsistent with message, or message type undefined.

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-779 No information, or not defined**[Error Type]**

Job Fail

[Fault Content]

No information or it is undefined.

[Detection Conditions]

No information or it is undefined.

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-780 Invalid Information**[Error Type]**

Job Fail

[Fault Content]

Invalid Information

[Detection Conditions]

Invalid Information

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-781 Call Status, Message Mismatch**[Error Type]**

Job Fail

[Fault Content]

Call status inconsistent with message.

[Detection Conditions]

Call status inconsistent with message.

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

034-782 Error cleared due to timeout**[Error Type]**

Job Fail

[Fault Content]

Error cleared due to timeout.

[Detection Conditions]

Error cleared due to timeout.

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

034-783 Other Errors (Operation, etc)**[Error Type]**

Job Fail

[Fault Content]

Other Errors (Operational Errors etc.)

[Detection Conditions]

Other Errors (Operational Errors etc.)

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

034-784 Destination No. Changed**[Error Type]**

Job Fail

[Fault Content]

Remote Terminal Number Changed

[Detection Conditions]

Remote Terminal Number Changed

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

034-785 Incompatible destination**[Error Type]**

Job Fail

[Fault Content]

Terminal Attributes Incompatible

[Detection Conditions]

Terminal Attributes Incompatible

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.
OF-14 FAX Card Fail

034-786 Call identity not in use**[Error Type]**

Job Fail

[Fault Content]

Call ID Not In Use

[Detection Conditions]

Call ID set was not in use.

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,
OF-14 FAX Card Fail

034-787 Call identity in use**[Error Type]**

Job Fail

[Fault Content]

Call ID In Use

[Detection Conditions]

Call ID set was in use.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.
OF-14 FAX Card Fail

034-788 Show other causes**[Error Type]**

Job Fail

[Fault Content]

Show Other Causes

[Detection Conditions]

Show Other Causes

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.
OF-14 FAX Card Fail

034-789 G4 Presentation Illegal Event**[Error Type]**

Job Fail

[Fault Content]

- CG Conversion Timeout

- (G4) Presentation received an illegal event.

[Detection Conditions]

- CG Conversion Timeout
- (G4) Presentation received an illegal event.

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,
OF-14 FAX Card Fail

034-790 Line 0 (Ext) not connected**[Error Type]**

Job Fail

[Fault Content]

Channel 0 Extension Not Connected

[Detection Conditions]

Channel 0 Extension Not Connected

[Corrective Actions]

Check the channel 0 extension line connection and install it correctly.
If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

034-791 Line 1 not connected**[Error Type]**

Job Fail

[Fault Content]

Channel 1 External Line Not Connected

[Detection Conditions]

Channel 1 External Line Not Connected

[Corrective Actions]

Check the channel 1 external line connection and install it correctly.
If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

034-792 Line 2 not connected**[Error Type]**

Job Fail

[Fault Content]

Channel 2 Not Connected

[Detection Conditions]

Channel 2 Not Connected

[Corrective Actions]

Check the channel 2 external line connection and install it correctly.
If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

034-793 Line 3 not connected**[Error Type]**

Job Fail

[Fault Content]

Channel 3 Not Connected

[Detection Conditions]

Channel 3 Not Connected

[Corrective Actions]

Check the channel 3 external line connection and install it correctly.
If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

034-794 Line 4 not connected**[Error Type]**

Job Fail

[Fault Content]

Channel 4 is Not Connected

[Detection Conditions]

Channel 4 is Not Connected

[Corrective Actions]

Check the channel 4 external line connection and install it correctly.
If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

034-795 Line 5 not connected**[Error Type]**

Job Fail

[Fault Content]

Channel 5 Not Connected

[Detection Conditions]

Channel 5 Not Connected

[Corrective Actions]

Check the channel 5 external line connection and install it correctly.
If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

034-796 Dial Error (Incorrect Fax No. 2)**[Error Type]**

Job Fail

[Fault Content]

There was incorrect (illegal) data in the dial data.

[Detection Conditions]

There was incorrect (illegal) data in the dial data.

[Corrective Actions]

Dial again and then repeat the operation.
If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

034-797 Communication Parameter Error**[Error Type]**

Job Fail

[Fault Content]

The Job Error Communication Option parameter has an error.

[Detection Conditions]

The Job Error Communication Option parameter has an error.

[Corrective Actions]

Turn the power OFF then ON.
If the problem persists, check the SW version and upgrade it to the latest version.
If the problem still persists, perform the following procedure to repair it.
OF-14 Fax Card Fail

034-798 Data Parameter Error**[Error Type]**

Job Fail

[Fault Content]

The Job Error Communication Data parameter has an error.

[Detection Conditions]

The Job Error Communication Data parameter has an error.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

034-799 Auto Dial without dial data**[Error Type]**

Job Fail

[Fault Content]

Auto Dial was started but there was no dial data.

[Detection Conditions]

Auto Dial was started but there was no dial data.

[Corrective Actions]

Turn the power OFF then ON.
If the problem persists, check the SW version and upgrade it to the latest version.
If the problem still persists, perform the following procedure to repair it.
OF-14 Fax Card Fail

035-550 Downloader Fail

[Error Type]

Job Fail

[Fault Content]

An error has occurred during the process of writing data to the FaxG3-ROM. (During DLD method)

[Detection Conditions]

An error was detected when writing data to the FaxG3-ROM
Not able to carry out normal operation because ROM content is missing.

[Corrective Actions]

Retry job. If retry failed, replace the FaxG3-ROM and perform VerUP operation on the DLD method again.

035-700 Modem faulty

[Error Type]

Job Fail

[Fault Content]

- CS is not turned OFF at modem control.
- HDLC frame sending error.

[Detection Conditions]

- CS is not turned OFF at modem control. It is determined as SC Board (modem) failure.
- HDLC frame sending error.

[Corrective Actions]

Repeat the operation.
Replace the SC Board (modem).
If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

035-701 T1 Transmission Timeout

[Error Type]

Job Fail

[Fault Content]

- Sending T1 T.O.
- T1 timed out in sending operation. (FX)
- At sending, DIS was not sent after the conversation request from the remote machine has failed.

[Detection Conditions]

- Sending T1 T.O.
- T1 timed out in sending operation. (FX)
- At sending, DIS was not sent after the conversation request from the remote machine has failed.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

035-702 Destination Receive Rejected

[Error Type]

Job Fail

[Fault Content]

- DCN was received for NSS/DTC.
- DCN received.

[Detection Conditions]

- DCN was received for NSS/DTC. Transmission was rejected due to remote machine Selective Reception function, etc.
- DCN received.

[Corrective Actions]

Repeat the operation.
If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

035-703 DCN Receive at Phase B Send

[Error Type]

Job Fail

[Fault Content]

- DCN detected at PHASE-B Sending.
- DCN received.

[Detection Conditions]

- DCN detected at PHASE-B Sending.
- DCN received.

[Corrective Actions]

Repeat the operation.
If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

035-704 Destination Polling Error

[Error Type]

Job Fail

[Fault Content]

- The sending terminal does not have the polling function.
- No sending capability in the remote machine.

[Detection Conditions]

- The sending terminal does not have the polling function. No polling documents are set in place.

- No sending capability in the remote machine. The polling remote machine has no sending capability. No stored document.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-705 DCS/NSS Resend Exceeded**[Error Type]**

Job Fail

[Fault Content]

- No response after NSS was sent out three times, or DCN was detected.
- DCS/NSS resending exceeded the limit.
- DCN received.

[Detection Conditions]

- No response after NSS was sent out three times, or DCN was detected. Receiving terminal failure. SC Board (modem) failure. NCU Board failure. The remote machine disconnected the line while receiving NSS (DCN).
- DCS/NSS resending exceeded the limit.
- DCN received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-706 Fallback Error**[Error Type]**

Job Fail

[Fault Content]

- Fallback is not available at NSS sending.
- Fallback Error.
- Fallback Error. Waiting for auto resend.

[Detection Conditions]

- Fallback is not available at NSS sending.
- Fallback Error.
- Fallback Error. Waiting for auto resend.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-707 Wrong Password/Receive Banned**[Error Type]**

Job Fail

[Fault Content]

Data received without a password/a mismatch of passwords, or a mismatch of the Selective Reception No.

[Detection Conditions]

Data received without a password/a mismatch of passwords, or a mismatch of the Selective Reception No.

Password mismatch.

Transmission from a sender other than Selective Transmission users.

[Corrective Actions]

Repeat the operation.

Password mismatch. Transmission from a sender other than Selective Transmission users.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-708 Post-message resend exceeded**[Error Type]**

Job Fail

[Fault Content]

- No response after the post command was sent out three times, or DCN was received as a response to the post command.
- Post message resending exceeded the limit.
- DCN received.

[Detection Conditions]

- No response after post command is sent out three times, or DCN received as a response of the post command.

Poor line quality.

Receiving terminal failure.

SC Board (modem) failure.

NCU Board failure.

- Post message resending exceeded the limit.
- DCN received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-709 RTN Receive

[Error Type]

Job Fail

[Fault Content]

- RTN received.
- RTN was received at G3 sending.

[Detection Conditions]

- RTN received. Poor line quality. Receiving terminal failure.
SC Board (modem) failure.
NCU Board failure.
- RTN was received at G3 sending.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-710 PIN Receive**[Error Type]**

Job Fail

[Fault Content]

PIN received.

[Detection Conditions]

PIN received. Poor line quality.
Operator was called from the recipient machine.
Receiving terminal failure. SC Board (modem) failure.
NCU Board failure.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-711 DCN Receive at Phase D**[Error Type]**

Job Fail

[Fault Content]

- At PHASE-D, DCN/invalid command was received.
- DCN was received.

[Detection Conditions]

At PHASE-D, DCN/invalid command was received. Sending machine failure.

- DCN was received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-712 No response after 3 NSC**[Error Type]**

Job Fail

[Fault Content]

No commands after NSC is sent out three times (NSS or DCS).

[Detection Conditions]

No commands after NSC is sent out three times (NSS or DCS).

Password mismatch. No polling document at the destination side. Jam.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-713 T2 timeout after sending FTT**[Error Type]**

Job Fail

[Fault Content]

No response to NSS/DCS was returned from the remote machine after FTT was sent.

[Detection Conditions]

No response to NSS/DCS was returned from the remote machine after FTT was sent. Sending machine failure. SC Board failure.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-714 DCN Received after NSC/DTC**[Error Type]**

Job Fail

[Fault Content]

- DCN was received after NSC/DTC was sent.
- DCN was received.

[Detection Conditions]

- DCN was received after NSC/DTC was sent. Password mismatch. No polling document at the destination side. Jam.

- DCN was received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-715 Wrong Password-Polling Error**[Error Type]**

Job Fail

[Fault Content]

Polling error due to password mismatch.

[Detection Conditions]

Polling error due to mismatch of password.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-716 No past message-T2 Timeout**[Error Type]**

Job Fail

[Fault Content]

- No post messages.
- T2 timed out.

[Detection Conditions]

- No post messages. Sending machine failure. Poor line quality. SC Board (modem) failure. NCU Board failure.
- T2 timed out. Command timer timeout on the terminal receiving T.30.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-717 RTN Send**[Error Type]**

Job Fail

[Fault Content]

- RTN sent.
- RTN was sent when G3 was received.

[Detection Conditions]

- RTN sent. Poor line quality. SC Board (modem) failure. NCU Board failure.
- RTN was sent when G3 was received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-718 Receive T1 Timeout**[Error Type]**

Job Fail

[Fault Content]

- Receive PHASE-B T1 T.O.
- T1 timed out in receiving operation.

[Detection Conditions]

- Receive PHASE-B T1 T.O.
- T1 timed out in receiving operation.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-719 Busy tone detected at Phase-B**[Error Type]**

Job Fail

[Fault Content]

At receive PHASE-B, busy tone was detected.

[Detection Conditions]

At receive PHASE-B, busy tone was detected.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-720 Unable to receive by remote**[Error Type]**

Job Fail

[Fault Content]

- The data of NSF/DIS and NSC/DTC was invalid.

- No receiving capability in the remote machine.

[Detection Conditions]

- The data of NSF/DIS and NSC/DTC was invalid. No remote machine compatibility.
- No receiving capability in the remote machine. No DIS, NSF, NSC, and DTC capabilities. Memory full, etc.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-721 DCN Received at Phase B

[Error Type]

Job Fail

[Fault Content]

- At receive PHASE-B, DCN was detected.
- DCN was received.

[Detection Conditions]

- At receive PHASE-B, DCN was detected. No remote machine compatibility.
- DCN was received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-722 Wrong frame length of 300bps

[Error Type]

Job Fail

[Fault Content]

The frame length exceeded 3.45sec (300bps command/response).

[Detection Conditions]

The frame length exceeded 3.45sec (300bps command/response). Remote machine failure.

[Corrective Actions]

Repeat the operation.

Check the remote machine.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-723 No CD after receiving flag

[Error Type]

Job Fail

[Fault Content]

After the flag was accepted, CD was not received within 3min.

[Detection Conditions]

CD has not come within 3min after a flag had been accepted. Remote machine failure.

[Corrective Actions]

Repeat the operation.

Check the remote machine.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-724 DCN Receive after sending FTT

[Error Type]

Job Fail

[Fault Content]

- DCN was received after FTT was sent.
- DCN was received.

[Detection Conditions]

- DCN was received after FTT had been sent. Sending machine failure. Poor line quality.
- DCN was received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-725 Remote has no Mailbox/Relay

[Error Type]

Job Fail

[Fault Content]

- The remote machine did not have the Mailbox or Relay communication function.
- The remote machine did not support Relay Broadcast.
- No mailbox function in the remote machine. (Mailbox type by FX)

[Detection Conditions]

- For the Secure or Relay communication, the remote machine did not support the function. Remote machine failure (no sending capability).
- The remote machine did not support Relay Broadcast.
- No mailbox function in the remote machine. (Mailbox type by FX)

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-726 PhaseC cannot receive-10 secs**[Error Type]**

Job Fail

[Fault Content]

At PHASE-C, training cannot be received within 10sec.

[Detection Conditions]

At PHASE-C, training cannot be received within 10sec. Poor line quality. SC Board (modem) failure. NCU Board failure.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-727 50% Error during G3 Receive**[Error Type]**

Job Fail

[Fault Content]

- PHASE-C error exceeded the limit.
- While receiving G3 image information, 50% or more decode error occurred when 148mm was received.

[Detection Conditions]

- PHASE-C error exceeded the limit. Poor line quality. SC Board (modem) failure. NCU Board failure.
- While receiving G3 image information, 50% or more decode error occurred when 148mm was received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-728 C EOL cannot receive in 10 sec**[Error Type]**

Job Fail

[Fault Content]

- At PHASE-C, EOL cannot be received within 10sec.
- The system did not detect a normal line within 1min after it started to receive G3 image information.
- When receiving G3 image information, the system did not detect EOL within 13sec (Default).

[Detection Conditions]

- At PHASE-C, EOL cannot be received within 10sec. Sending machine failure. Poor line quality. SC Board (modem) failure. NCU Board failure.

- The system did not detect a normal line within 1min after it started to receive G3 image information.
- While receiving G3 image information, the system did not detect EOL within 13sec (Default).

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-729 Carrier Down Detected**[Error Type]**

Job Fail

[Fault Content]

Carrier broken.

[Detection Conditions]

Carrier broken. While receiving the image information, T2 timeout occurred after the carrier was broken. Dropout occurred.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-730 No CS with Phase-C High Speed**[Error Type]**

Job Fail

[Fault Content]

- At PHASE-C, CS has not come from a high-speed modem.
- The CS of the modem did not turn ON as a response to the RS request at command sending operation.
- The CS of the modem did not turn ON as a response to the RS request during training at high speed.
- HDLC frame sending error

[Detection Conditions]

- At PHASE-C, CS has not come from a high-speed modem. SC Board (modem) failure.
- The CS of the modem did not turn ON as a response to the RS request at command sending operation.
- The CS of the modem did not turn ON as a response to the RS request during training at high speed.
- HDLC frame sending error

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-731 Fax V.8 Error

[Error Type]

Job Fail

[Fault Content]

- V.8 Parameter N.G
- V.8 error.

[Detection Conditions]

- V.8 Parameter N.G
- V.8 error.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-732 Fax V.34 PCH CD Off

[Error Type]

Job Fail

[Fault Content]

V.34 P-CH CD OFF

[Detection Conditions]

V.34 P-CH CD OFF

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-733 Fax V.34 C/PCH CS None

[Error Type]

Job Fail

[Fault Content]

- V.34 C/P-CH CS None
- HDLC frame sending error

[Detection Conditions]

- V.34 C/P-CH CS None
- HDLC frame sending error

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

035-734 Polling ERR at Remote Step V8

[Error Type]

Job Fail

[Fault Content]

No document for polling at remote Step V.8.

[Detection Conditions]

There was no document for polling at the remote machine at Step V.8. Polling send operation error in the remote machine.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-735 No Doc. in Polling Box Step V8

[Error Type]

Job Fail

[Fault Content]

Polling was requested when there was no document for polling in Step V.8.

[Detection Conditions]

Polling was requested when there was no document for polling in V.8 procedure. Remote machine operation error, self terminal polling send setting error.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-736 No reply DCN after sending CTC

[Error Type]

Job Fail

[Fault Content]

- No response to the CTC sent, or DCN was received.
- DCN was received.

[Detection Conditions]

- No response to the CTC sent, or DCS was received. Poor line quality. SC Board (modem) failure. NCU Board failure.
- DCN was received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-737 No reply DCN after sending EOR

[Error Type]

Job Fail

[Fault Content]

- No response to the EOR sent, or DCN was received.
- CTC/EOR resending exceeded the limit.
- DCN was received.

[Detection Conditions]

- No response to the EOR sent, or DCN received. Poor line quality. SC Board (modem) failure. NCU Board failure.
- CTC/EOR resending exceeded the limit.
- DCN was received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-738 No reply DCN after sending RR

[Error Type]

Job Fail

[Fault Content]

- No response to the RR sent, or DCN was received at RR.
- DCN was received.

[Detection Conditions]

- No response to the RR sent, or DCN received at RR. Remote machine failure.
- DCN was received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-739 Fax T5 Timeout

[Error Type]

Job Fail

[Fault Content]

- 15sec passed without MCF.
- T5 timeout.

[Detection Conditions]

- T5sec has passed without MCF. Remote machine failure.
- T5 timeout.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-740 Sending stopped after EOR Send

[Error Type]

Job Fail

[Fault Content]

- Sending was aborted after EOR was sent.
- EOR-Q was sent at ECM sending.

[Detection Conditions]

- Sending was aborted after EOR was sent. Poor line quality. SC (modem) Board. NCU Board failure.
- EOR-Q was sent at ECM sending.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-741 ECM Phase C Flag Timeout

[Error Type]

Job Fail

[Fault Content]

- ECM PHASE-C Flag Timer Timeout [ECM]
- Timeout between the frames in ECM.

[Detection Conditions]

- ECM PHASE-C Flag Timer Timeout [ECM]
- Timeout between the frames in ECM. Timeout between the data frames.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-742 EOR Send or Receive

[Error Type]

Job Fail

[Fault Content]

- Responded with ERR [ECM] after ECM EOR was sent.
- EOR-Q was received when ECM was received.

[Detection Conditions]

- Responded with ERR [ECM] after ECM EOR was sent. Poor line quality.
- EOR-Q was received when ECM was received.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-743 Remote cannot receive SUB.

[Error Type]

Job Fail

[Fault Content]

The receiving terminal does not support the SUB function.

[Detection Conditions]

The receiving terminal does not support the SUB function.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-744 Remote cannot receive password

[Error Type]

Job Fail

[Fault Content]

The receiving terminal does not support the PWD function.

[Detection Conditions]

The receiving terminal does not support the PWD function.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-745 PTX has no SEP capability

[Error Type]

Job Fail

[Fault Content]

The PTX machine does not support the SEP function.

[Detection Conditions]

The PTX machine does not support the SEP function.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-746 Busy-Cannot detect dial tone

[Error Type]

Job Fail

[Fault Content]

- Busy
- The system could not detect dial tone before dialing. DT1 was not detected.
- Busy tone was detected before dialing. BT1 was detected.
- Busy tone was detected before dialing. BT2 was detected.
- Congestion tone was detected before dialing. Switch Board was busy. CT1 was detected.
- Congestion tone was detected before dialing. CT2 was detected.
- The system could not detect dial tone during dialing (=). DT1 was not detected.
This could happen when an external line was used with 0 signal sent from the PBX.
- Busy tone was detected during dialing (=). BT1 was detected.
- Busy tone was detected during dialing (=). BT2 was detected.
- Congestion tone was detected during dialing (=). CT1 was detected.
- Congestion tone was detected during dialing (=). CT2 was detected.
- The system could not detect 2nd dial tone during dialing (==). DT2 was not detected.
- Busy tone was detected during dialing (==). BT1 was detected.
- Busy tone was detected during dialing (==). BT2 was detected.
- Congestion tone was detected during dialing (==). CT1 was detected.
- Congestion tone was detected during dialing (==). CT2 was detected.
- The system could not detect 3rd dial tone during dialing (===). DT3 was not detected.
- Busy tone was detected during dialing (===). BT1 was detected.
- Busy tone was detected during dialing (===). BT2 was detected.
- Congestion tone was detected during dialing (===). CT1 was detected.
- Congestion tone was detected during dialing (===). CT2 was detected.
- Busy tone was detected after dialing. BT1 was detected.
- Busy tone was detected after dialing. BT2 was detected.
- Congestion tone was detected after dialing. CT1 was detected.
- Congestion tone was detected after dialing. CT2 was detected.
- The system could not detect dial tone before dialing. (PBX) DT was not detected.
- Busy tone was detected before dialing. (PBX) BT was not detected.
- Congestion tone was detected before dialing. (PBX) CT was detected.
- Busy tone was detected after dialing. (PBX) BT was not detected.

- Congestion tone was detected after dialing. (PBX) CT was detected.

[Detection Conditions]

- Busy. Dial tone was not detected. Busy tone was detected. Time exceeded by 35sec.
- The system could not detect dial tone before dialing. DT1 was not detected.
- Busy tone was detected before dialing. BT1 was detected.
- Busy tone was detected before dialing. BT2 was detected.
- Congestion tone was detected before dialing. Switch Board was busy. CT1 was detected.
- Congestion tone was detected before dialing. CT2 was detected.
- The system could not detect dial tone during dialing (=). DT1 was not detected.
This could happen when an external line was used with 0 signal sent from the PBX.
- Busy tone was detected during dialing (=). BT1 was detected.
- Busy tone was detected during dialing (=). BT2 was detected.
- Congestion tone was detected during dialing (=). CT1 was detected.
- Congestion tone was detected during dialing (=). CT2 was detected.
- The system could not detect 2nd dial tone during dialing (==). DT2 was not detected.
- Busy tone was detected during dialing (==). BT1 was detected.
- Busy tone was detected during dialing (==). BT2 was detected.
- Congestion tone was detected during dialing (==). CT1 was detected.
- Congestion tone was detected during dialing (==). CT2 was detected.
- The system could not detect 3rd dial tone during dialing (===). DT3 was not detected.
- Busy tone was detected during dialing (===). BT1 was detected.
- Busy tone was detected during dialing (===). BT2 was detected.
- Congestion tone was detected during dialing (===). CT1 was detected.
- Congestion tone was detected during dialing (===). CT2 was detected.
- Busy tone was detected after dialing. BT1 was detected.
- Busy tone was detected after dialing. BT2 was detected.
- Congestion tone was detected after dialing. CT1 was detected.
- Congestion tone was detected after dialing. CT2 was detected.
- The system could not detect dial tone before dialing. (PBX) DT was not detected.
- Busy tone was detected before dialing. (PBX) BT was not detected.
- Congestion tone was detected before dialing. (PBX) CT was detected.
- Busy tone was detected after dialing. (PBX) BT was not detected.
- Congestion tone was detected after dialing. (PBX) CT was detected.

[Corrective Actions]

- Check the Switch Board.
- Check the circuit condition.
- Check the call conditions of the external line ('0' call).
If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

035-747 Abort while dialing**[Error Type]**

Job Fail

[Fault Content]

Aborted during dialing (Operation was aborted with the Stop button.)

[Detection Conditions]

Aborted during dialing (Operation was aborted with the Stop button.)

[Corrective Actions]

Repeat the operation.

035-748 Abort during transmission**[Error Type]**

Job Fail

[Fault Content]

Aborted during transmission (Operation was aborted with the Stop button.)

[Detection Conditions]

Aborted during transmission (Operation was aborted with the Stop button.)

[Corrective Actions]

Repeat the operation.

035-749 No reply from remote station**[Error Type]**

Job Fail

[Fault Content]

- Busy with no response (Redial exceeded limit)
- The remote machine did not respond after dialing.

[Detection Conditions]

- Busy with no response (Redial exceeded limit)
- The remote machine did not respond after dialing. CED and DIS were not detected.

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-750 Power Off during transmission**[Error Type]**

Job Fail

[Fault Content]

An error due to Power OFF during transmission.

[Detection Conditions]

An error due to Power OFF during transmission. The power has turned OFF. System reset has occurred.

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,
OF-14 FAX Card Fail

035-751 Doc. send operation canceled**[Error Type]**

Job Fail

[Fault Content]

The Stop key was pressed when a document was being sent.

[Detection Conditions]

The Stop key was pressed when a document was being sent.

[Corrective Actions]

Repeat the operation.

035-752 No. of Job Restriction Error**[Error Type]**

Job Fail

[Fault Content]

No. of Jobs Restricted Error

[Detection Conditions]

No. of Jobs Restricted Error

[Corrective Actions]

Repeat the operation.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

035-753 Fax Memory Full**[Error Type]**

Job Fail

[Fault Content]

Image information memory full (file full, append record error)

[Detection Conditions]

This occurs when receiving Fax of 999 sheets or more. Image information memory full (file full, append record error)

[Corrective Actions]

This occurs when receiving 999 sheets or more. Ask the sender to separate the document into several batches for sending.

035-754 File management memory full**[Error Type]**

Job Fail

[Fault Content]

File Management Area Full

[Detection Conditions]

File Management Area Full

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

035-755 File Add Page Error**[Error Type]**

Job Fail

[Fault Content]

File Append Record Error

[Detection Conditions]

File Append Record Error

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

035-756 Cannot add page**[Error Type]**

Job Fail

[Fault Content]

No additional file

[Detection Conditions]

No additional file

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

035-757 No Receive Page

[Error Type]

Job Fail

[Fault Content]

No received page

[Detection Conditions]

No received page

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

035-758 No specified file or page

[Error Type]

Job Fail

[Fault Content]

No specified file or page.

[Detection Conditions]

No specified file or page.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

035-759 No specified job

[Error Type]

Job Fail

[Fault Content]

No appropriate job when the transmission reservation was cleared.

[Detection Conditions]

No appropriate job when the transmission reservation was cleared.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

035-760 File common processing error

[Error Type]

Job Fail

[Fault Content]

- Invalid File
- File error - Timeout occurred during COMM file access.
Or, the File Handler did not send an error code when an error has occurred.

[Detection Conditions]

- Invalid File
- File error - Timeout occurred during COMM file access.
Or, the File Handler did not send an error code when an error has occurred.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

035-761 File other processing error

[Error Type]

Job Fail

[Fault Content]

Other File Errors

[Detection Conditions]

Other File Errors

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, check the SW version and upgrade it to the latest version.

If the problem still persists, perform the following procedure to repair it.

OF-14 Fax Card Fail

035-762 Line cut during ISDN

[Error Type]

Job Fail

[Fault Content]

- Line was cut off when establishing link.
- The line has been cut off during transmission. (Error only for ISDN)

[Detection Conditions]

- Line was cut off when establishing link.
- The line has been cut off during transmission. (Error only for ISDN)

[Corrective Actions]

Check the self-terminal status and line status, then perform the operation again. If the problem persists, proceed to the following procedure to repair it,

OF-14 FAX Card Fail

036-500 Illegal PDRP Parameter

[Error Type]

Job Fail

[Fault Content]

RDRP Parameter Error

[Detection Conditions]

RDRP Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-501 Illegal RDPBP Parameter

[Error Type]

Job Fail

[Fault Content]

RDPBP Parameter Error

[Detection Conditions]

RDPBP Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-502 Illegal RDPBN Parameter

[Error Type]

Job Fail

[Fault Content]

RDPBN Parameter Error

[Detection Conditions]

RDPBN Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-503 Illegal RDCLP Parameter

[Error Type]

Job Fail

[Fault Content]

RDCLP Parameter Error

[Detection Conditions]

RDCLP Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-504 Illegal RDGR Parameter

[Error Type]

Job Fail

[Fault Content]

RDGR Parameter Error

[Detection Conditions]

RDGR Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-505 Undefined response

[Error Type]

Job Fail

[Fault Content]

Undefined Response

[Detection Conditions]

Undefined Response

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-506 Not negotiable

[Error Type]

Job Fail

[Fault Content]

Negotiation Not Allowed

[Detection Conditions]

Negotiation Not Allowed

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-507 RDPBP Receive at full capacity**[Error Type]**

Job Fail

[Fault Content]

RDPBP Receive (receive at full capacity), remote terminal runs out of paper etc.

[Detection Conditions]

RDPBP Receive (receive at full capacity), remote terminal runs out of paper etc.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-508 RDPBN Receive Terminal Error**[Error Type]**

Job Fail

[Fault Content]

RDPBN Receive (Error at Terminal)

[Detection Conditions]

RDPBN Receive (Error at Terminal)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-509 RDPBN Receive Others**[Error Type]**

Job Fail

[Fault Content]

RDPBN Receive (Others)

[Detection Conditions]

RDPBN Receive (Others)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-510 RDGR Receive**[Error Type]**

Job Fail

[Fault Content]

RDGR Receive

[Detection Conditions]

RDGR Receive

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-511 Illegal procedure 1551**[Error Type]**

Job Fail

[Fault Content]

Illegal procedure 1551

[Detection Conditions]

Illegal Procedure

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-512 Illegal CDS Parameter**[Error Type]**

Job Fail

[Fault Content]

CDS Parameter Error

[Detection Conditions]

CDS Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-513 Illegal CDC Parameter**[Error Type]**

Job Fail

[Fault Content]

CDC Parameter Error

[Detection Conditions]

CDC Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-514 Illegal CDE Parameter**[Error Type]**

Job Fail

[Fault Content]

CDE Parameter Error

[Detection Conditions]

CDE Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-515 Illegal CDD Parameter**[Error Type]**

Job Fail

[Fault Content]

CDD Parameter Error

[Detection Conditions]

CDD Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-516 Illegal CDR Parameter**[Error Type]**

Job Fail

[Fault Content]

CDR Parameter Error

[Detection Conditions]

CDR Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-517 Illegal CDPB Parameter**[Error Type]**

Job Fail

[Fault Content]

CDPB Parameter Error

[Detection Conditions]

CDPB Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-518 Illegal CDCL Parameter**[Error Type]**

Job Fail

[Fault Content]

CDCL Parameter Error

[Detection Conditions]

CDCL Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-519 Undefined Command**[Error Type]**

Job Fail

[Fault Content]

Undefined Command

[Detection Conditions]

Undefined Command

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-520 Not Negotiable CDS Receive**[Error Type]**

Job Fail

[Fault Content]

Negotiation Not Allowed (CDS Receive when FAX functions are incompatible)

[Detection Conditions]

Negotiation Not Allowed (CDS Receive when FAX functions are incompatible)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-521 Not Negotiable CDC Receive**[Error Type]**

Job Fail

[Fault Content]

Negotiation Not Allowed (CDC Receive when FAX functions are not compatible)

[Detection Conditions]

Negotiation Not Allowed (CDC Receive when FAX functions are not compatible)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-522 CDD Receive Terminal Error**[Error Type]**

Job Fail

[Fault Content]

- CDD Receive (Error at Terminal)
- (G4) Received activity rejection from session. (CDD)

[Detection Conditions]

- CDD Receive (Error at Terminal)
- (G4) Received activity rejection from session. (CDD)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-523 Other than above CDD receive**[Error Type]**

Job Fail

[Fault Content]

- CDD Receive (Other than the above)
- (G4) Received activity rejection from session (CDD)

[Detection Conditions]

- CDD Receive (Other than the above)
- (G4) Received activity rejection from session. (CDD)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-524 CDR Receive Terminal Error**[Error Type]**

Job Fail

[Fault Content]

- CDR Receive (Error at terminal)
- (G4) Received activity interruption from session. (CDR)

[Detection Conditions]

- CDR Receive (Error at Terminal)
- (G4) Received activity interruption from session. (CDR)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-525 Other than above CDR receive**[Error Type]**

Job Fail

[Fault Content]

- CDR Receive (Other than the above)
- (G4) Received activity interruption from session. (CDR)

[Detection Conditions]

- CDR Receive (Other than the above)
- (G4) Received activity interruption from session. (CDR)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

036-526 Illegal CDUI (Normal Doc.)

[Error Type]

Job Fail

[Fault Content]

CDUI Parameter Error (Normal Document)

[Detection Conditions]

CDUI Parameter Error (Normal Document)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-527 Illegal CDUI (Operator Doc.)

[Error Type]

Job Fail

[Fault Content]

CDUI Parameter Error (Operator Document)

[Detection Conditions]

CDUI Parameter Error (Operator Document)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-528 Illegal CDUI (Control Doc.)

[Error Type]

Job Fail

[Fault Content]

CDUI Parameter Error (Control Document)

[Detection Conditions]

CDUI Parameter Error (Control Document)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-529 Illegal CDUI (Monitor Doc.)

[Error Type]

Job Fail

[Fault Content]

CDUI Parameter Error (Monitor Document)

[Detection Conditions]

CDUI Parameter Error (Monitor Document)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-530 CDSReceive-Illegal Document

[Error Type]

Job Fail

[Fault Content]

CDS (control document) Receive occurred when the receiver and sender of an illegal document do not match.

[Detection Conditions]

CDS (control document) Receive occurred when the receiver and sender of an illegal document do not match.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-531 DMA channel 1 illegal closing

[Error Type]

Job Fail

[Fault Content]

- DMA Channel 1 was abnormally terminated.
- (G4) Presentation received an illegal event.

[Detection Conditions]

- DMA Channel 1 was abnormally terminated.
- (G4) Presentation received an illegal event.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-532 DMA channel 2 illegal closing

[Error Type]

Job Fail

[Fault Content]

- DMA Channel 2 was abnormally terminated.
- (G4) Presentation received an illegal event.

[Detection Conditions]

- DMA Channel 2 was abnormally terminated.
- (G4) Presentation received an illegal event.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-533 Cannot convert resources**[Error Type]**

Job Fail

[Fault Content]

- Resources for converting data cannot be obtained.
- (G4) Presentation received an illegal event.

[Detection Conditions]

- Resources for converting data cannot be obtained.
- (G4) Presentation received an illegal event.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-534 Decode Error in Data Convert**[Error Type]**

Job Fail

[Fault Content]

- Decoding error occurred in data conversion.
- (G4) Presentation received an illegal event.

[Detection Conditions]

- Decoding error occurred in data conversion.
- (G4) Presentation received an illegal event.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-535 White Line Transfer Error (Compress)**[Error Type]**

Job Fail

[Fault Content]

- White line transfer to encoded DICEP error occurred in data conversion.
- (G4) Presentation received an illegal event.

[Detection Conditions]

White line transfer to encoded DICEP error occurred in data conversion.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-536 White Line Transfer Error (Decomp)**[Error Type]**

Job Fail

[Fault Content]

- White line transfer to decoded DICEP error occurred in data conversion.
- (G4) Presentation received an illegal event.

[Detection Conditions]

- White line transfer to decoded DICEP error occurred in data conversion.
- (G4) Presentation received an illegal event.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-537 No RTC during data convert**[Error Type]**

Job Fail

[Fault Content]

- RTC was not detected in data conversion.
- (G4) Presentation received an illegal event.

[Detection Conditions]

- RTC was not detected in data conversion.
- (G4) Presentation received an illegal event.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

036-538 Doc. descriptor analysis error

[Error Type]

Job Fail

[Fault Content]

DD (Document Descriptor) Analysis Error

[Detection Conditions]

DD (Document Descriptor) Analysis Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-539 Page Descriptor Analysis Error

[Error Type]

Job Fail

[Fault Content]

PD (Page Descriptor) Analysis Error

[Detection Conditions]

PD (Page Descriptor) Analysis Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-540 Text Unit Analysis Error

[Error Type]

Job Fail

[Fault Content]

TU (Text Unit) Analysis Error

[Detection Conditions]

TU (Text Unit) Analysis Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-541 Page boundary without TU

[Error Type]

Job Fail

[Fault Content]

Received page boundary without TU.

[Detection Conditions]

Received page boundary without TU.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-542 Relay Broadcast error in G4

[Error Type]

Job Fail

[Fault Content]

(G4) Relay Broadcast instruction error occurred in session.

[Detection Conditions]

(G4) Relay Broadcast instruction error occurred in session.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-550 Downloader Fail

[Error Type]

Job Fail

[Fault Content]

An error has occurred during the process of writing data to the FaxG4-ROM. (During DLD method)

[Detection Conditions]

An error was detected when writing data to the FaxG4-ROM
Not able to carry out normal operation because ROM content is missing.

[Corrective Actions]

Retry job. If retry failed, replace the FaxG4-ROM and perform VerUP operation on the DLD method again.

036-700 G4 Communication Error

[Error Type]

Job Fail

[Fault Content]

G4 Communication Error

[Detection Conditions]

G4 Communication Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-701 Receiving variable N(R) error**[Error Type]**

Job Fail

[Fault Content]

Receive Status Variable N (R) Error

[Detection Conditions]

Receive Status Variable N (R) Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-702 Info frame size exceeded (NI)**[Error Type]**

Job Fail

[Fault Content]

Information frame size exceeded the limit (NI over).

[Detection Conditions]

Information frame size exceeded the limit (NI over).

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-703 Monitor/Unnumbered frame error**[Error Type]**

Job Fail

[Fault Content]

Monitor/Unnumbered Frame Error

[Detection Conditions]

Monitor/Unnumbered Frame Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-704 Undefined Command/Response 1104**[Error Type]**

Job Fail

[Fault Content]

Undefined Command/Response

[Detection Conditions]

Undefined Command/Response

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-705 N2 timeout of Receive Timer**[Error Type]**

Job Fail

[Fault Content]

Receive Confirmation Timer - Consecutive Timeout (N2 times timeout)

[Detection Conditions]

Receive Confirmation Timer - Consecutive Timeout (N2 times timeout)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-706 SABM Wait Timeout in G4**[Error Type]**

Job Fail

[Fault Content]

- SABM Wait Timeout
- (G4) Data link cannot be connected.

[Detection Conditions]

- SABM Wait Timeout
- (G4) Data link cannot be connected.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-707 UA wait Timeout in G4

[Error Type]

Job Fail

[Fault Content]

- UA Wait Timeout
- (G4) Data link cannot be connected.

[Detection Conditions]

- UA Wait Timeout
- (G4) Data link cannot be connected.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-708 Cannot establish link in G4

[Error Type]

Job Fail

[Fault Content]

- Cannot Establish Link
- (G4) Data link cannot be established.

[Detection Conditions]

- Cannot Establish Link
- (G4) Data link cannot be established.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-709 DISC receive before link close

[Error Type]

Job Fail

[Fault Content]

Link was force-closed (when DISC was received before the session).

[Detection Conditions]

Link was force-closed (when DISC was received before the session).

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-710 FRMR Receive (Z=1)

[Error Type]

Job Fail

[Fault Content]

FRMR Receive (Z=1)

[Detection Conditions]

FRMR Receive (Z=1)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-711 FRMR Receive (Y=1)

[Error Type]

Job Fail

[Fault Content]

FRMR Receive (Y=1)

[Detection Conditions]

FRMR Receive (Y=1)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-712 FRMR received (Z=1) W=1

[Error Type]

Job Fail

[Fault Content]

FRMR Receive (X=1) W=1 Included

[Detection Conditions]

FRMR Receive (X=1) W=1 Included

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-713 FRMR Receive (W=1)**[Error Type]**

Job Fail

[Fault Content]

ERMR Receive (W=1)

[Detection Conditions]

ERMR Receive (W=1)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-714 Global Address Receive**[Error Type]**

Job Fail

[Fault Content]

Global Address Receive

[Detection Conditions]

Global Address Receive

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-715 Line Open Timeout in G4**[Error Type]**

Job Fail

[Fault Content]

- Line Open Timeout (Including No HDLC Flag)
- (G4) Flag cannot be received for 4sec or more.

[Detection Conditions]

- Line Open Timeout (Including No HDLC Flag)
- (G4) Flag cannot be received for 4sec or more.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-716 Wrong LSI Send (Busy Timeout)**[Error Type]**

Job Fail

[Fault Content]

LSI Send Error (Sending Busy, Timeout)

[Detection Conditions]

LSI Send Error (Sending Busy, Timeout)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-717 Abnormal LSI operation**[Error Type]**

Job Fail

[Fault Content]

LSI Operation Error

[Detection Conditions]

LSI Operation Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-718 Disconnection Notice Timeout**[Error Type]**

Job Fail

[Fault Content]

Disconnection Notice Timeout (10sec)

[Detection Conditions]

Disconnection Notice Timeout (10sec)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-719 C Line On but I Line Off**[Error Type]**

Job Fail

[Fault Content]

Though Line C was turned ON, Line I was not turned ON.

[Detection Conditions]

Though Line C was turned ON, Line I was not turned ON.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-720 C Line Off but I Line On**[Error Type]**

Job Fail

[Fault Content]

Though Line C was turned OFF, Line I was not turned OFF.

[Detection Conditions]

Though Line C was turned OFF, Line I was not turned OFF.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-721 I Line Off during Transmission**[Error Type]**

Job Fail

[Fault Content]

Line I was turned OFF during transmission.

[Detection Conditions]

Line I was turned OFF during transmission.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-722 Call cut during flag detect**[Error Type]**

Job Fail

[Fault Content]

Call was cut off during remote flag detection.

[Detection Conditions]

Call was cut off during remote flag detection.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-723 Call cut while awaiting UA**[Error Type]**

Job Fail

[Fault Content]

After SABM was sent, call was cut off when waiting for UA.

[Detection Conditions]

After SABM was sent, call was cut off when waiting for UA.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-724 Call cut while awaiting SABM**[Error Type]**

Job Fail

[Fault Content]

Call was cut off when waiting for SABM.

[Detection Conditions]

Call was cut off when waiting for SABM.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-725 Disc received before session**[Error Type]**

Job Fail

[Fault Content]

DISC was received before session.

[Detection Conditions]

DISC was received before session.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-726 Illegal header received**[Error Type]**

Job Fail

[Fault Content]

- Illegal Header Receive (Line Switching), Illegal Procedure (Packet Switching)
- (G4) Other network errors.

[Detection Conditions]

- Illegal Header Receive (Line Switching), Illegal Procedure (Packet Switching)
- (G4) Other network errors.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-727 Illegal parameter of CC packet**[Error Type]**

Job Fail

[Fault Content]

- CC Packet Parameter Error
- (G4) Other network errors.

[Detection Conditions]

- CC Packet Parameter Error
- (G4) Other network errors.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-728 Illegal parameter of CN packet**[Error Type]**

Job Fail

[Fault Content]

- CN Packet Parameter Error
- (G4) Other network errors.

[Detection Conditions]

- CN Packet Parameter Error
- (G4) Other network errors.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-729 Illegal parameter of DT packet**[Error Type]**

Job Fail

[Fault Content]

- DT Packet Parameter Error
- (G4) Other network errors.

[Detection Conditions]

- DT Packet Parameter Error
- (G4) Other network errors.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-730 Illegal parameter of RI packet**[Error Type]**

Job Fail

[Fault Content]

- RI Packet Parameter Error
- (G4) Other network errors.

[Detection Conditions]

- RI Packet Parameter Error
- (G4) Other network errors.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-731 Illegal parameter of IT packet**[Error Type]**

Job Fail

[Fault Content]

- IT Packet Parameter Error
- (G4) Other network errors.

[Detection Conditions]

- IT Packet Parameter Error
- (G4) Other network errors.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-732 Illegal parameter of CI packet**[Error Type]**

Job Fail

[Fault Content]

- CI Packet Parameter Error
- (G4) Other network errors.

[Detection Conditions]

- CI Packet Parameter Error
- (G4) Other network errors.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-733 Illegal parameter of CF packet**[Error Type]**

Job Fail

[Fault Content]

- CF Packet Parameter Error
- (G4) Other network errors.

[Detection Conditions]

- CF Packet Parameter Error
- (G4) Other network errors.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-734 Undefined Packet Received**[Error Type]**

Job Fail

[Fault Content]

- Undefined Packet Receive
- (G4) Other network errors.

[Detection Conditions]

- Undefined Packet Receive
- (G4) Other network errors.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-735 CC Wait Timeout**[Error Type]**

Job Fail

[Fault Content]

CC Wait Timeout

[Detection Conditions]

CC Wait Timeout

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-736 CF Wait Timeout**[Error Type]**

Job Fail

[Fault Content]

CF Wait Timeout

[Detection Conditions]

CF Wait Timeout

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-737 CI received before G4 session**[Error Type]**

Job Fail

[Fault Content]

- CI Receive (Before the session ended)

- (G4) A cut off request packet was received from the remote machine.

[Detection Conditions]

- CI Receive (Before the session ended)
- (G4) A cut off request packet was received from the remote machine.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-738 DT Packet P(S), P(R) Error**[Error Type]**

Job Fail

[Fault Content]

DT Packet P (S) and P (R) errors occurred.

[Detection Conditions]

DT Packet P (S) and P (R) errors occurred.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-739 RR, RNR Packet P(S) Error**[Error Type]**

Job Fail

[Fault Content]

RR and RNR packet P (S) errors occurred.

[Detection Conditions]

RR and RNR packet P (S) errors occurred.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-740 Busy Timeout**[Error Type]**

Job Fail

[Fault Content]

Busy Timeout

[Detection Conditions]

Busy Timeout

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-741 SI received in transmission**[Error Type]**

Job Fail

[Fault Content]

- SI Receive (In transmission)
- (G4) An unexpected restart packet was received.

[Detection Conditions]

- SI Receive (In transmission)
- (G4) An unexpected restart packet was received.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-742 SF received in transmission**[Error Type]**

Job Fail

[Fault Content]

- SF Receive (In transmission)
- (G4) An unexpected restart packet was received.

[Detection Conditions]

- SF Receive (In transmission)
- (G4) An unexpected restart packet was received.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-743 DT Packet D Bit Error**[Error Type]**

Job Fail

[Fault Content]

D Bit error occurred in DT packet.

[Detection Conditions]

D Bit error occurred in DT packet.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-744 G4 Wait for Reply Timeout

[Error Type]

Job Fail

[Fault Content]

- Reply Timeout
- (G4) Network timer timed out.

[Detection Conditions]

- Reply Timeout
- (G4) Network timer timed out.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-745 G4 CN Wait Timeout

[Error Type]

Job Fail

[Fault Content]

- CN Wait Timeout
- (G4) Network timer timed out.

[Detection Conditions]

- CN Wait Timeout
- (G4) Network timer timed out.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-746 G4 Data Link Disconnect Notice Timeout

[Error Type]

Job Fail

[Fault Content]

- Disconnection Notice Timeout (10sec)
- (G4) Data Link Failure

[Detection Conditions]

- Disconnection Notice Timeout (10sec)
- (G4) Data Link Failure

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-747 Fast select response received

[Error Type]

Job Fail

[Fault Content]

Fast Select that limits responses received.

[Detection Conditions]

Fast Select that limits responses received.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-748 Receive remote charge request

[Error Type]

Job Fail

[Fault Content]

Receive Remote Charge Request

[Detection Conditions]

Receive Remote Charge Request

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-749 Abnormal LCGN

[Error Type]

Job Fail

[Fault Content]

LCGN Error

[Detection Conditions]

LCGN Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-750 Illegal procedure 1301**[Error Type]**

Job Fail

[Fault Content]

Illegal Procedure 1301

[Detection Conditions]

Illegal Procedure

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-751 Illegal TCA Parameter**[Error Type]**

Job Fail

[Fault Content]

Parameter error occurred in TCA.

[Detection Conditions]

Parameter error occurred in TCA.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-752 Illegal TCR Parameter**[Error Type]**

Job Fail

[Fault Content]

Parameter error occurred in TCR.

[Detection Conditions]

Parameter error occurred in TCR.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-753 Illegal TCC Parameter**[Error Type]**

Job Fail

[Fault Content]

Parameter error occurred in TCC.

[Detection Conditions]

Parameter error occurred in TCC.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-754 Illegal TBR Parameter**[Error Type]**

Job Fail

[Fault Content]

Parameter error occurred in TBR.

[Detection Conditions]

Parameter error occurred in TBR.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-755 Illegal TDT Parameter**[Error Type]**

Job Fail

[Fault Content]

Parameter error occurred in TDT.

[Detection Conditions]

Parameter error occurred in TDT.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-756 Undefined transport block**[Error Type]**

Job Fail

[Fault Content]

Undefined Transport Block Receive

[Detection Conditions]

Undefined Transport Block Receive

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-757 TCA Wait Timeout**[Error Type]**

Job Fail

[Fault Content]

TCA Wait Timeout

[Detection Conditions]

TCA Wait Timeout

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-758 TCR Wait Timeout**[Error Type]**

Job Fail

[Fault Content]

TCR Wait Timeout

[Detection Conditions]

TCR Wait Timeout

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-759 TCC Wait Timeout**[Error Type]**

Job Fail

[Fault Content]

TCC Receive

[Detection Conditions]

TCC Receive

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-760 TBR Wait Timeout**[Error Type]**

Job Fail

[Fault Content]

TBR Receive

[Detection Conditions]

TBR Receive

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-761 TDT block size error**[Error Type]**

Job Fail

[Fault Content]

TDT Block Size Error

[Detection Conditions]

TDT Block Size Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-762 G4 NetWork Disconnect Notice Timeout**[Error Type]**

Job Fail

[Fault Content]

- Disconnection Notice Timeout (10sec)
- (G4) Network Failure

[Detection Conditions]

- Disconnection Notice Timeout (10sec)
- (G4) Network Failure

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-763 Illegal procedure 1401**[Error Type]**

Job Fail

[Fault Content]

Illegal Procedure 1401

[Detection Conditions]

Illegal Procedure

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-764 Illegal CSS Parameter**[Error Type]**

Job Fail

[Fault Content]

CSS Parameter Error

[Detection Conditions]

CSS Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-765 Illegal CSE Parameter**[Error Type]**

Job Fail

[Fault Content]

CSE Parameter Error

[Detection Conditions]

CSE Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-766 Illegal CSA Parameter**[Error Type]**

Job Fail

[Fault Content]

CSA Parameter Error

[Detection Conditions]

CSA Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-767 Illegal CSUI Parameter**[Error Type]**

Job Fail

[Fault Content]

CSUI Parameter Error

[Detection Conditions]

CSUI Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-768 Illegal CSCC Parameter**[Error Type]**

Job Fail

[Fault Content]

CSCC Parameter Error

[Detection Conditions]

CSCC Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-769 Illegal RSSP Parameter**[Error Type]**

Job Fail

[Fault Content]

RSSP Parameter Error

[Detection Conditions]

RSSP Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-770 Illegal RSSN Parameter**[Error Type]**

Job Fail

[Fault Content]

RSSN Parameter Error

[Detection Conditions]

RSSN Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-771 Illegal RSEP Parameter**[Error Type]**

Job Fail

[Fault Content]

RSEP Parameter Error

[Detection Conditions]

RSEP Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-772 Illegal RSAP Parameter**[Error Type]**

Job Fail

[Fault Content]

RSAP Parameter Error

[Detection Conditions]

RSAP Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-773 Illegal RSUI Parameter**[Error Type]**

Job Fail

[Fault Content]

RSUI Parameter Error

[Detection Conditions]

RSUI Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-774 Illegal RSCCP Parameter**[Error Type]**

Job Fail

[Fault Content]

RSCCP Parameter Error

[Detection Conditions]

RSCCP Parameter Error

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-775 Undefined command/response 1413**[Error Type]**

Job Fail

[Fault Content]

Undefined Command/Response

[Detection Conditions]

Undefined Command/Response

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-776 RSSN Receive**[Error Type]**

Job Fail

[Fault Content]

- RSSN Receive
- (G4) Connection error was received from the session. (RSSN)

[Detection Conditions]

- RSSN Receive
- (G4) Connection error was received from the session. (RSSN)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-777 G4 Line Disconnect Notice Timeout**[Error Type]**

Job Fail

[Fault Content]

Disconnection Notice Timeout (10sec)

[Detection Conditions]

Disconnection Notice Timeout (10sec)

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-778 CSA received (wrong terminal)**[Error Type]**

Job Fail

[Fault Content]

- CSA Receive (Error at terminal)
- (G4) Session abortion was received.

[Detection Conditions]

- CSA Receive (Error at terminal)
- (G4) Session abortion was received.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-779 CSA Receive (Others)**[Error Type]**

Job Fail

[Fault Content]

- CSA Receive (Others)
- (G4) Session abortion was received.

[Detection Conditions]

- CSA Receive (Others)
- (G4) Session abortion was received.

[Corrective Actions]

Check the remote machine settings and line status, then perform the operation again. If the problem persists, proceed to the following and repair it.

OF-14 FAX Card Fail

036-780 CSS Wait Timeout**[Error Type]**

Job Fail

[Fault Content]

CSS Wait Timeout

[Detection Conditions]

CSS Wait Timeout

[Corrective Actions]

Poor line quality.

Perform the following procedure to repair the trouble by taking into account that the process method is different depending on the remote machine and line status.

OF-11 FAX Job Fail

036-781 RSSP Wait Timeout**[Error Type]**

Job Fail

[Fault Content]

RSSP Wait Timeout

[Detection Conditions]

RSSP Wait Timeout

[Corrective Actions]

Poor line quality.

Perform the following procedure to repair the trouble by taking into account that the process method is different depending on the remote machine and line status.

OF-11 FAX Job Fail

036-782 RSAP Wait Timeout

[Error Type]

Job Fail

[Fault Content]

RSAP Wait Timeout

[Detection Conditions]

RSAP Wait Timeout

[Corrective Actions]

Poor line quality.

Perform the following procedure to repair the trouble by taking into account that the process method is different depending on the remote machine and line status.

OF-11 FAX Job Fail

036-783 RSEP Wait Timeout

[Error Type]

Job Fail

[Fault Content]

RSEP Wait Timeout

[Detection Conditions]

RSEP Wait Timeout

[Corrective Actions]

Poor line quality.

Perform the following procedure to repair the trouble by taking into account that the process method is different depending on the remote machine and line status.

OF-11 FAX Job Fail

036-784 RSCCP Wait Timeout

[Error Type]

Job Fail

[Fault Content]

RSCCP Wait Timeout

[Detection Conditions]

RSCCP Wait Timeout

[Corrective Actions]

Poor line quality.

Perform the following procedure to repair the trouble by taking into account that the process method is different depending on the remote machine and line status.

OF-11 FAX Job Fail

036-785 CSUI/RSUI Wait Timeout

[Error Type]

Job Fail

[Fault Content]

CSUI/RSUI Wait Timeout

[Detection Conditions]

CSUI/RSUI Wait Timeout

[Corrective Actions]

Poor line quality.

Perform the following procedure to repair the trouble by taking into account that the corrective action is different depending on the remote machine and line status.

OF-11 FAX Job Fail

036-786 Incorrect Password (RSSN)

[Error Type]

Job Fail

[Fault Content]

'Incorrect Password' (RSSN) was returned from the remote machine.

[Detection Conditions]

'Incorrect Password' (RSSN) was returned from the remote machine.

[Corrective Actions]

Poor line quality.

Perform the following procedure to repair the trouble by taking into account that the process method is different depending on the remote machine and line status.

OF-11 FAX Job Fail

036-787 Wrong Password-Polling Error for Remote

[Error Type]

Job Fail

[Fault Content]

'Incorrect Polling Password' (RSSP) was returned from the remote machine.

[Detection Conditions]

'Incorrect Polling Password' (RSSP) was returned from the remote machine.

[Corrective Actions]

Poor line quality.

Perform the following procedure to repair the trouble by taking into account that the process method is different depending on the remote machine and line status.

OF-11 FAX Job Fail

036-788 Poll Send Error at Remote

[Error Type]

Job Fail

[Fault Content]

'No Poll Send Original' (RSSP) was returned from the remote machine.

[Detection Conditions]

'No Poll Send Original' (RSSP) was returned from the remote machine.

[Corrective Actions]

If the problem persists, perform the following procedure to repair it.

OF-11 FAX Job Fail

036-789 No Password for RSSP Receive**[Error Type]**

Job Fail

[Fault Content]

No password for RSSP was received for the CSS PA password entered.

[Detection Conditions]

No password for RSSP was received for the CSS PA password entered.

[Corrective Actions]

Poor line quality.

Perform the following procedure to repair the trouble by taking into account that the process method is different depending on the remote machine and line status.

OF-11 FAX Job Fail

036-790 Polling rejected by remote**[Error Type]**

Job Fail

[Fault Content]

RSSP without send rights was received in Poll Receive.

[Detection Conditions]

RSSP without send rights was received in Poll Receive.

[Corrective Actions]

1. Repeat the operation.
2. Check if the remote machine is ok.

036-791 Set Password-RSSP Received**[Error Type]**

Job Fail

[Fault Content]

RSSN was sent when setting password.

[Detection Conditions]

RSSN was sent when setting password.

[Corrective Actions]

1. Repeat the operation.
2. Check if the remote machine is ok.

036-792 CSE Received after RSSP Send**[Error Type]**

Job Fail

[Fault Content]

CSE was received after RSSP was sent.

[Detection Conditions]

CSE was received after RSSP was sent.

[Corrective Actions]

Check if the remote machine is ok and repeat the operation. If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

036-793 Select communication error**[Error Type]**

Job Fail

[Fault Content]

Selective Transmission Error

[Detection Conditions]

Selective Transmission Error

[Corrective Actions]

Check if the remote machine is ok and repeat the operation. If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

036-794 Line cut during ISDN mode**[Error Type]**

Job Fail

[Fault Content]

- Calling cut off during ISDN communication
- The ISDN session received an illegal event.

[Detection Conditions]

- Calling cut off during ISDN communication
- The ISDN session received an illegal event.

[Corrective Actions]

Check that the telephone line is installed properly, and then wait for a while before sending again.

If it did not improve, check that the recipient machine is not in memory full/HDD full/maintenance state. If that is the case, send again when the recipient machine is in normal state and check.

If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

036-795 Canceled by remote station

[Error Type]

Job Fail

[Fault Content]

Disconnected because the remote machine does not support multi-copying.

[Detection Conditions]

Disconnected because the remote machine does not support multi-copying.

[Corrective Actions]

Check if the remote machine is ok and repeat the operation. If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

036-796 Sent without multiple sets

[Error Type]

Job Fail

[Fault Content]

Normal sending was performed because the remote machine does not support multi-copying.

[Detection Conditions]

Normal sending was performed because the remote machine does not support multi-copying.

[Corrective Actions]

Check if the remote machine is ok and repeat the operation. If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

036-797 Illegal procedure 1501

[Error Type]

Job Fail

[Fault Content]

Illegal Procedure 1501

[Detection Conditions]

Illegal Procedure

[Corrective Actions]

Check if the remote machine is ok and repeat the operation. If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

036-798 Illegal RDEP Parameter

[Error Type]

Job Fail

[Fault Content]

RDEP Parameter Error

[Detection Conditions]

RDEP Parameter Error

[Corrective Actions]

Check if the remote machine is ok and repeat the operation. If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

036-799 Illegal RDDP Parameter

[Error Type]

Job Fail

[Fault Content]

RDDP Parameter Error

[Detection Conditions]

RDDP Parameter Error

[Corrective Actions]

Check if the remote machine is ok and repeat the operation. If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

041-500 Write to IOT-ROM error detection (During DLD method)

[Error Type]

Job Fail

[Fault Content]

An error has occurred during the process of writing data to the IOT-ROM. (During DLD method)

[Detection Conditions]

An error was detected when writing data to the IOT-ROM.

Not able to carry out normal operation because ROM content is missing.

[Corrective Actions]

Retry job. If retry failed, replace the IOT-ROM and perform VerUP operation on the DLD method again.

041-501 Write to IOT-NVM-ROM error detection (During DLD method)

[Error Type]

Job Fail

[Fault Content]

Write to IOT-NVM-ROM error detection (During DLD method)

[Detection Conditions]

An error was detected when writing data to the IOT-NVM-ROM.

Not able to carry out normal operation because ROM content is missing.

[Corrective Actions]

Retry job. If retry failed, replace the IOT-NVM-ROM and perform VerUP operation on the DLD method again.

048-500 IF-Module ROM Write Error

[Error Type]

Job

[Fault Content]

Error was detected when writing into the IF-Module ROM

[Detection Conditions]

When the entire machine has entered the Download mode and was downloading each ROM data using the standard method (procedures), write to the IF-Module ROM has failed.

[Corrective Actions]

Turn the power OFF and ON.

If the problem persists, perform the following procedure:

Replace the IF-Module ROM, then perform download using the DLD method.

049-500 HCS1 ROM Write Error

[Error Type]

Job

[Fault Content]

Error was detected when writing into the HCS1 ROM

[Detection Conditions]

When the entire machine has entered the Download mode and was downloading each ROM data using the standard method (procedures), write to the HCS1 ROM has failed.

[Corrective Actions]

Turn the power OFF and ON.

If the problem persists, perform the following procedure:

If the problem persists even after retrying, replace the HCS1 ROM, then perform download using the DLD method.

049-700 Out tray changed from stacker1

[Error Type]

Warning

[Fault Content]

Change the output destination from the Stacker to another Tray.

[Detection Conditions]

Error was detected when writing into the HCF-ROM

Does not operate normally because the ROM content has been erased

[Corrective Actions]

If the error remains even after retrying, replace the HCF-ROM, and download again to perform the upgrade.

049-950 HCS1 MIX SIZE STACK Fail

[Error Type]

Operation

[Fault Content]

HCS1 Mixed Size Stack Unavailable

[Detection Conditions]

When the Controller NVM is in 'Mixed Stack Prohibited Setting' state, a transfer request that results in Mixed Stack was received.

[Corrective Actions]

If the problem persists even after the Controller NVM is set to 'Mix Stack Allowed', the cause would be the Controller software.

Request for the Support Department to upgrade the software to the patched version.

049-973 Stacker Extraction button was pushed

[Error Type]

Operation

[Fault Content]

HCS1 Dolly Eject Button Pressed

[Detection Conditions]

1. The HCS1 Eject Button was pressed
2. 'Eject' was instructed from an external Controller.
3. Others

[Corrective Actions]

Perform the following.

1. Do not press the HCS1 Eject button.
2. Request that the customer do not issue 'Eject' instruction from external Controllers.

If the problem persists, perform the following procedures:

As it is not physically possible for '49-973 to occur without pressing the Eject Button', if the problem persists, the cause would be the Controller software. Request for the Support Department to upgrade the software to the patched version.

062-394 Cont PWBA Memory Fail

[Error Type]

Sub

[Fault Content]

Cont PWBA Memory Fail

[Detection Conditions]

It was detected that Read/Write were not available to the Controller PWBA RAM (Gap Memory).

[Corrective Actions]

Perform the following.

1. Turn the power OFF then ON.
2. Replace the Controller-PWB.

062-500 Write to IISS-ROM error detection (During DLD method)

[Error Type]

Job Fail

[Fault Contents]

An error has occurred during the process of writing data to the IISS-ROM. (During DLD method)

[Detection Conditions]

An error was detected when writing data to the IISS-ROM.

Not able to carry out normal operation because ROM content is missing.

[Corrective Actions]

Retry job. If retry failed, replace the IISS-ROM and perform VerUP operation on the DLD method again.

062-790 Possible Prohibited Originals

[Error Type]

Job Fail

[Fault Content]

PreIPS X Recognition Fail

[Detection Conditions]

PreIPS PWB has recognized X.

[Corrective Actions]

Do the same operation again.

If the problem occurs frequently, replace the IISS-PWBA.

063-500 Write to IISS-Extension-ROM error detection (During DLD method)

[Error Type]

Job Fail

[Fault Content]

An error has occurred during the process of writing data to the IISS-Extension-ROM. (During DLD method)

[Detection Conditions]

An error was detected when writing data to the IISS-Extension-ROM.
Not able to carry out normal operation because ROM content is missing.

[Corrective Actions]

Retry job. If retry failed, replace the IISS-Extension-ROM and perform VerUP operation on the DLD method again.

071-940 Tray#1 LiftUp NG

[Error Type]

Operation Fail

[Fault Content]

Tray#1 LiftUp NG

[Detection Conditions]

TBD

[Corrective Actions]

TBD

072-940 Tray#2/TTM#2 LiftUp NG

[Error Type]

Operation Fail

[Fault Content]

Tray#2/TTM#2 LiftUp NG

[Detection Conditions]

TBD

[Corrective Actions]

TBD

073-940 Tray#3/TTM#3 LiftUp NG

[Error Type]

Operation Fail

[Fault Content]

Tray#3/TTM#3 LiftUp NG

[Detection Conditions]

TBD

[Corrective Actions]

TBD

074-940 Tray#4 LiftUp NG

[Error Type]

Operation

[Fault Content]

Tray#4 LiftUp NG

[Detection Conditions]

During the Tray 4 Lift Up, the Tray 4 Level Sensor does not turn ON within the specified time.

[Corrective Actions]

- As the Level Sensor of this Tray did not turn ON within the specified time, check and fix the following:
- The relevant Level Sensor for operation failure
- The relevant Feed Motor for operation failure
- The drive system from the Motor to the Bottom Plate for operation failure
- The Tray for Paper misload
- The Tray for existence of objects other than Paper

077-911 Paper size mismatch, job continue

[Error Type]

operation

[Fault Content]

Tray Paper Size Mismatch. User intervention (the user has changed paper size to continue printing.)

[Detection Conditions]

The selected paper size is different from the size of the paper loaded.

[Corrective Actions]

To make the tray paper size the same as the new paper size selected through the user intervention, load paper of the selected size and do the operation for restarting printing (the check operation).

077-967 Paper kind mismatch (APS job)

[Error Type]

Operation

[Fault Content]

Paper type mismatch in the APS or printing from a tray with the wrong paper type (Message will appear and then change into Confirm screen)

[Detection Conditions]

The selected paper type and the pre-set paper type are different.

[Corrective Actions]

Either set the selected paper type, or proceed with restarting print job (confirm operation) following the user input state.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

077-968 Paper kind mismatch, job continue

[Error Type]

Operation

[Fault Content]

Tray paper type mismatch, user input 2 (Change the paper type in tray and continue printing)

[Detection Conditions]

The selected paper type and the pre-set paper type are different

[Corrective Actions]

Proceed with restarting print job (confirm operation) following the user input state after setting the selected paper type.

If the problem persists, refer to the following procedure to repair it.

OF-09 Common Job Fail

078-500 Write to HCF-ROM error detection (During DLD method)

[Error Type]

Job Fail

[Fault Content]

An error has occurred during the process of writing data to the HCF-ROM. (During DLD method)

[Detection Conditions]

An error was detected when writing data to the HCF-ROM

Not able to carry out normal operation because ROM content is missing.

[Corrective Actions]

Retry job. If retry failed, replace the HCF-ROM and perform VerUP operation on the DLD method again.

078-940 2000A3-HCF paper misset

[Error Type]

Operation Fail

[Fault Content]

It is detected that paper is loaded by mistake in a space of 2000A3-HCF.

[Detection Conditions]

- Nothing is detected when the HCF tray is inserted.
- This occurs when IOT starts feeding paper from the HCF. However, no jam occurs because no paper is actually fed.
- Details of operations causing this fault:
 1. At the start of a copy/printer job with '2000A3-HCF Tray selected'
ATS does not work to shift from 'Mismatch Status 2000A3-HCF' to 'Another Tray'; thus an Operation Error message always appears.
 2. Copy/Printer APS Job
After 2000A3-HCF is selected, there is no tray else for selection.

[Corrective Actions]

1. Load paper properly in the HCF to continue the job. Load paper properly without canceling the job with the error screen displayed, then insert the HCF tray. The error screen will be cleared.
2. Cancel the job. Adjust 'Non-standard Paper Size Set Value' to the size of the paper. Resume the job.
If the problem persists, refer to Generic Sensor FIP and check the sensor.
If the problem still persists, go to the following procedure to resolve it.
OF-09 Common Job Fail

078-941 2000A3-HCF size mismatch

[Error Type]

Operation Fail

[Fault Content]

Due to a mismatch in 2000A3-HCF non-standard paper width in fast scan, the 2000A3-HCF tray cannot be adjusted in position.

[Detection Conditions]

- Nothing is detected when the HCF tray is inserted.
- This occurs when IOT starts feeding paper from the HCF. However, no jam occurs because no paper is actually fed.
- Details of operations causing this fault:
 1. At the start of a copy/printer job with '2000A3-HCF Tray selected'
ATS does not work to shift from 'Mismatch Status 2000A3-HCF' to 'Another Tray'; thus an Operation Error message always appears.
 2. Copy/Printer APS Job
After 2000A3-HCF is selected, there is no tray else for selection.

[Corrective Actions]

1. Load proper paper in the HCF to continue the job. Load proper paper without canceling the job with the error screen displayed, then insert the HCF tray. The error screen will be cleared.
2. Cancel the job. Adjust 'Non-standard Paper Size Set Value' to the size of the paper. Resume the job.
If the problem persists, refer to Generic Sensor FIP and check the sensor.
If the problem still persists, go to the following procedure to resolve it.
OF-09 Common Job Fail

078-942 4000A3HCF lower tray paper misset

[Error Type]

operation

[Fault Content]

When there is paper in open space, 'paper misplaced' is detected for the purpose of prohibiting Tray Lift Up.

[Detection Conditions]

Detects paper or an foreign object misplaced in open area in the lower tray of 4000A3HCF.

[Corrective Actions]

Slide out the 4000A3HCF lower tray and remove the paper/foreign object from any space other than the paper installing area.
If the above does not resolve the problem, check the sensor seeing General Sensor FIP.
If the problem still persists, resolve the problem seeing the following.
OF-09 Common Job Fail

078-943 4000A3HCF lower tray size mismatch

[Error Type]

operation

[Fault Content]

The width of non-standard paper in fast scan in the 4000A3HCF lower tray is different.

[Detection Conditions]

Detects the mismatched width of non-standard paper in fast scan in the 4000A3HCF lower tray.

[Corrective Actions]

Slide out the 4000A3HCF lower tray and install proper-sized paper, or adjust non-standard paper size setting to actual paper size.

If the above does not resolve the problem, check the sensor seeing General Sensor FIP.

If the problem still persists, resolve the problem seeing the following.

OF-09 Common Job Fail

091-407 Drum K CRUM Data Trouble Info

[Fault Name]

Drum K CRUM Data Trouble Info

[Error Type]

Information

[Fault Content]

Drum K CRUM Data Trouble Info

[Detection Conditions]

DRUM K CRUM Comm Fail
DRUM K CRUM Data Broken
DRUM K CRUM Data Mismatch
When any of the above has occurred.

[Corrective Actions]

Remove and reinstall the Drum Cartridge
Replace the Drum Cartridge

091-417 Drum Y CRUM Trouble Info

[Fault Name]

Drum Y CRUM Trouble Info

[Error Type]

Information

[Fault Content]

Drum Y CRUM Trouble Info

[Detection Conditions]

DRUM Y CRUM Comm Fail
DRUM Y CRUM Data Broken
Drum Y CRUM Data Mismatch
When any of the above has occurred.

[Corrective Actions]

Remove and reinstall the Drum Cartridge
Replace the Drum Cartridge

091-424 Drum K Life End

[Fault Name]

Drum K Life End

[Error Type]

Information

[Fault Content]

Drum K Life End

[Detection Conditions]

The DRUM K Life End (Dead Stop) has occurred.

[Corrective Actions]

Remove and reinstall the Drum Cartridge
Replace the Drum Cartridge

091-427 Drum M CRUM Trouble Info

[Fault Name]

Drum M CRUM Trouble Info

[Error Type]

Information

[Fault Content]

Drum M CRUM Trouble Info

[Detection Conditions]

DRUM M CRUM Comm Fail
DRUM M CRUM Data Broken
Drum M CRUM Data Mismatch
When any of the above has occurred.

[Corrective Actions]

Remove and reinstall the Drum Cartridge
Replace the Drum Cartridge

091-437 Drum C CRUM Trouble Info

[Fault Name]

Drum C CRUM Trouble Info

[Error Type]

Information

[Fault Content]

Drum C CRUM Trouble Info

[Detection Conditions]

DRUM C CRUM Comm Fail
DRUM C CRUM Data Broken
Drum C CRUM Data Mismatch
When any of the above has occurred.

[Corrective Actions]

Remove and reinstall the Drum Cartridge
Replace the Drum Cartridge

091-442 Drum Cartridge CRUM Trouble Info

[Fault Name]

Drum Cartridge CRUM Trouble Info

[Error Type]

Information

[Fault Content]

Drum Cartridge CRUM Trouble Info

[Detection Conditions]

DRUM CARTRIDGE CRUM Comm Fail

DRUM CARTRIDGE CRUM Data Broken

DRUM CARTRIDGE CRUM Data Mismatch

When any of the above has occurred.

[Corrective Actions]

Remove and reinstall the Drum Cartridge

093-426 Toner K CRUM Trouble Info

[Fault Name]

Toner K CRUM Trouble Info

[Error Type]

Information

[Fault Content]

Toner K CRUM Trouble Info

[Detection Conditions]

TONER K CRUM Comm Fail
TONER K CRUM Data Broken
TONER K CRUM Data Mismatch
When any of the above has occurred.

[Corrective Actions]

Remove and reinstall the Toner Cartridge
Replace the Toner Cartridge

093-427 Toner Y CRUM Trouble Info

[Fault Name]

Toner Y CRUM Trouble Info

[Error Type]

Information

[Fault Content]

Toner Y CRUM Trouble Info

[Detection Conditions]

TONER Y CRUM Comm Fail
TONER Y CRUM Data Broken
TONER Y CRUM Data Mismatch
When any of the above has occurred.

[Corrective Actions]

Remove and reinstall the Toner Cartridge
Replace the Toner Cartridge

093-428 Toner M CRUM Trouble Info

[Fault Name]

Toner M CRUM Trouble Info

[Error Type]

Information

[Fault Content]

Toner M CRUM Trouble Info

[Detection Conditions]

TONER M CRUM Comm Fail

TONER M CRUM Data Broken
TONER M CRUM Data Mismatch
When any of the above has occurred.

[Corrective Actions]

Remove and reinstall the Toner Cartridge
Replace the Toner Cartridge

093-429 Toner C CRUM Trouble Info

[Fault Name]

Toner C CRUM Trouble Info

[Error Type]

Information

[Fault Content]

Toner C CRUM Trouble Info

[Detection Conditions]

TONER C CRUM Comm Fail
TONER C CRUM Data Broken
TONER C CRUM Data Mismatch
When any of the above has occurred.

[Corrective Actions]

Remove and reinstall the Toner Cartridge
Replace the Toner Cartridge

093-432 Toner K1 Near Life End

[Fault Name]

Toner K1 Near Life End

[Error Type]

Information

[Fault Content]

Toner K1 Near Life End

[Detection Conditions]

The remaining Toner amount is low
(This is used when both K1 and K2 exist and there is a need to perform individual detection for them)

[Corrective Actions]

Replace the K1 Toner

093-433 Toner K2 Near Life End

[Fault Name]

Toner K2 Near Life End

[Error Type]

Information

[Fault Content]

Toner K2 Near Life End

[Detection Conditions]

The remaining Toner amount is low

(This is used when both K1 and K2 exist and there is a need to perform individual detection for them)

[Corrective Actions]

Replace the K2 Toner

093-434 Drum/Toner Cartridge K Near Empty

[Fault Name]

Drum/Toner Cartridge K Near Empty

[Error Type]

Information

[Fault Content]

The Drum/Toner Cartridge K is reaching the end of its lifespan.

[Detection Conditions]

The Drum/Toner Cartridge needs to be replaced soon.

[Corrective Actions]

Replace the Drum/Toner Cartridge.

093-435 Drum/Toner Cartridge Quality Empty

[Fault Name]

Drum/Toner Cartridge Quality Empty

[Error Type]

Information

[Fault Content]

Drum/Toner Cartridge Quality Empty

[Detection Conditions]

The Drum/Toner Toner Cartridge has ran out of toner or has reached the end of its lifespan. (Print operation still continues)

[Corrective Actions]

Replace the Drum/Toner Toner Cartridge.

093-436 Drum/Toner Cartridge CRUM Trouble Info

[Fault Name]

Drum/Toner Cartridge CRUM Trouble Info

[Error Type]

Information

[Fault Content]

Drum/Toner Cartridge CRUM Trouble Info

[Detection Conditions]

DRUM/TONER K CRUM Comm Fail

DRUM/TONER K CRUM Data Broken

DRUM/TONER K CRUM Data Mismatch

When any of the above has occurred.

[Corrective Actions]

Remove and reinstall the Drum/Toner Cartridge

Replace the Drum/Toner Cartridge

093-940 Toner Y CRUM Comm Fail

[Error Type]

Operation Fail

[Fault Content]

Toner Y CRUM Comm Fail

[Detection Conditions]

TBD

[Corrective Actions]

TBD

102-311 USB Dongle Access Fail

[Fault Name]

USB Dongle Access Fail

[Error Type]

System

[Fault Content]

USB Dongle Access Failure

[Detection Conditions]

USB Dongle access failed during the initial installation by the USB Dongle.

[Corrective Actions]

Check if the USB Dongle has been installed properly.

If the problem still persists, perform the following:

OF-01 Common System Fail

102-312 USB Dongle Illegal MAC Address Fail

[Fault Name]

USB Dongle Illegal MAC Address Fail

[Error Type]

System

[Fault Content]

USB Dongle Illegal MAC Address

[Detection Conditions]

It was detected that MAC address of another M/C was recorded in the dongle during the initial installation by the USB Dongle.

[Corrective Actions]

Check if the USB Dongle has been installed properly.

If the problem still persists, perform the following:

OF-01 Common System Fail

102-313 USB Dongle Illegal IOT Speed Key Fail

[Fault Name]

USB Dongle Illegal IOT Speed Key Fail

[Error Type]

System

[Fault Content]

USB Dongle Illegal IOT Speed Key

[Detection Conditions]

An illegal IOT Speed Setting Key was detected during the initial installation by the USB Dongle.

[Corrective Actions]

Check if the USB Dongle has been installed properly.

If the problem still persists, perform the following:

OF-01 Common System Fail

102-314 USB Dongle IOT Speed Setting Fail

[Fault Name]

USB Dongle IOT Speed Setting Fail

[Error Type]

System

[Fault Content]

USB Dongle IOT Speed Key Write Failure

[Detection Conditions]

Setting the IOT Speed Setting Key failed during the initial installation by the USB Dongle.

[Corrective Actions]

Check if the USB Dongle has been installed properly.

If the problem still persists, perform the following:

OF-01 Common System Fail

102-315 USB Dongle SW Key Setting Fail

[Fault Name]

USB Dongle SW Key Setting Fail

[Error Type]

System

[Fault Content]

USB Dongle SW Key Write Failure

[Detection Conditions]

Setting the SW Key failed during the initial installation by the USB Dongle.

[Corrective Actions]

Check if the USB Dongle has been installed properly.

If the problem still persists, perform the following:

OF-01 Common System Fail

102-316 USB Dongle Supply Setting Setting Fail

[Fault Name]

USB Dongle Supply Setting Setting Fail

[Error Type]

System

[Fault Content]

USB Dongle Supply Setting Setting Failure

[Detection Conditions]

Setting the Supply Setting failed during the initial installation by the USB Dongle.

[Corrective Actions]

Check if the USB Dongle has been installed properly.

If the problem still persists, perform the following:

OF-01 Common System Fail

102-317 USB Dongle Page Pack Setting Fail**[Fault Name]**

USB Dongle Page Pack Setting Fail

[Error Type]

System

[Fault Content]

USB Dongle Page Pack Setting Failure

[Detection Conditions]

Setting the Page Pack failed during the initial installation by the USB Dongle.

[Corrective Actions]

Check if the USB Dongle has been installed properly.

If the problem still persists, perform the following:

OF-01 Common System Fail

102-318 USB Dongle Country Code Setting Fail**[Fault Name]**

USB Dongle Country Code Setting Fail

[Error Type]

System

[Fault Content]

USB Dongle Country Code Setting Failure

[Detection Conditions]

Setting the country code failed during the initial installation by the USB Dongle.

[Corrective Actions]

Check if the USB Dongle has been installed properly.

If the problem still persists, perform the following:

OF-01 Common System Fail

102-319 USB Dongle NVM List Setting Fail**[Fault Name]**

USB Dongle NVM List Setting Fail

[Error Type]

System

[Fault Content]

USB Dongle NVM Rewriting List Process Failure

[Detection Conditions]

The NVM Rewriting List process failed during the initial installation by the USB Dongle.

[Corrective Actions]

Check whether the correct USB Dongle is used. When the HDD is installed, check whether failures are found in the HDD.

If the problem still persists, perform the following:

OF-01 Common System Fail

102-356 EWS Soft Fail**[Error Type]**

System Fail

[Fault Content]

Fatal error related to EWS.

[Detection Conditions]

Fatal error related to EWS.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

OF-02 HDD System Fail

OF-03 NET/USB System Fail

NOTE: Replace the ESS PWB last.

102-380 MF UI cont Soft Fatal error**[Error Type]**

System Fail

[Fault Content]

Fatal error of MF UI cont.

[Detection Conditions]

Fatal error of MF UI cont.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

102-381 Data Link Layer Error (UI-Panel)

[Error Type]

System Fail

[Fault Content]

Controller - MF UI panel:

Transmission Error at Data Link Layer occurred.

[Detection Conditions]

During transmission between the ESS and the Panel, the ESS detected an initialization error of the Scope, a message send error or a retrieve error for receiving data.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

102-382 Application Layer Command Error (UI-Panel)

[Error Type]

System Fail

[Fault Content]

Controller - MF UI panel:

Application Level Command Error

[Detection Conditions]

A necessary parameter was not sent from the Panel, an length error was detected in a variable parameter, or the confirmation message was not returned for a specified time after the request message had been sent to the Panel.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

103-310 Hybrid Water Mark Not Exist

[Error Type]

Sys

[Fault Content]

'Secure Watermark Kit' cannot be made available because the Hybrid Watermark Detection H/W is not installed.

[Detection Conditions]

The Hybrid Watermark Detection H/W cannot be detected although the 'Hybridwater Mark Detection H/W Installed' is set in the system data.

[Corrective Actions]

Check the installation of the Hybrid Watermark Detection H/W. If it is installed, turn the power OFF then ON. If the problem persists, replace the Hybrid Watermark Detection H/W or the IISS board.

If the problem persists, perform the following procedure:

OF-01 Common System Fail

103-311 Hybrid Water Mark Setting Mismatch

[Error Type]

SysR

[Fault Content]

The Secure Watermark Kit did not become enabled

[Detection Conditions]

Although the Hybrid Watermark Detection H/W is detected, it did not become enabled in the system data.

[Corrective Actions]

Set the Hybrid Watermark Detection H/W Availability in the system data to 'Available'.

If the problem persists, perform the following procedure:

OF-01 Common System Fail

103-312 Hybrid Water Mark Not Exist (Back Side)

[Error Type]

Sys

[Fault Content]

'Secure Watermark Kit' cannot be made available because the Hybrid Watermark Detection H/W for Document Side 2 is not installed.

[Detection Conditions]

The Hybrid Watermark Detection H/W for Document Side 2 cannot be detected although the 'Hybridwater Mark Detection H/W Installed' is set in the system data.

[Corrective Actions]

Check the installation of the Hybrid Watermark Detection H/W for Document Side 2. If it is installed, turn the power OFF then ON. If the problem persists, replace the Hybrid Watermark Detection H/W or the IISS board.

If the problem persists, perform the following procedure:

OF-01 Common System Fail

103-313 SW Option Fail (IISS Mem for HWM Not Exist)

[Error Type]

System Fail

[Fault Content]

[SW optional function not achieved] The 'Secure Watermark Kit' did not become available because of insufficient IISS Ext Memory.

[Detection Conditions]

When the optional HWM function is being enabled, the system detected that the IISS Ext Memory (Slot1: 128MB + Slot: 128MB or larger) is not installed.

[Corrective Actions]

Check the installation of the IISS Ext Memory (Slot1: 128MB + Slot: 128MB or larger). After checking the installation, turn the power OFF then ON. If the problem persists, replace the IISS Ext board.

112-700 Punch Dust Near Full

[Error Type]

Warning

[Fault Content]

Punch Dust Near Full

[Detection Conditions]

Punch Dust Box is detected to be full.

[Corrective Actions]

Clear the Punch Dust scrap.

116-210 MediaReader Fatal Error

[Error Type]

Service Fail

[Fault Content]

[Media Reader] Fatal error of Reader.

[Detection Conditions]

This error was detected in the OSDD.

[Corrective Actions]

1. Turn the power OFF then ON.
2. Replace the Media Reader, or USB Cable, or Extended Board for Media Reader connection.
If the problem persists, refer to the following procedure to repair it.
OF-01 Common System Fail

116-211 MediaReader Cable No Joint

[Error Type]

Service Fail

[Fault Content]

[Media Reader] Connection Cable Disconnected

[Detection Conditions]

This error was detected in the OSDD.

[Corrective Actions]

1. Check the USB Cable connection with the power OFF. If the problem persists, refer to the following to repair it.
OF-01 Common System Fail

116-212 MediaLib SW Logic Fail

[Error Type]

Service Fail

[Fault Content]

[Media Reader] MediaLib SW Logic Fail

[Detection Conditions]

MediaLib internal logic error has occurred.

[Corrective Actions]

1. Turn the power OFF then ON.
2. Check if this is an existing failure (to TSC). If the problem persists, refer to the following to repair it.
OF-01 Common System Fail

116-220 Downloader Initialization Fail

[Error Type]

Service Fail

[Fault Content]

Download failed to initialize when transitioning to Download Mode
(During Normal Mode or Forced Download Mode)

[Detection Conditions]

The Downloader software that processes downloads within the ESS failed to initialize during transition into Download Mode.

[Corrective Actions]

Check the system memory connection of the Controller Board.
If the problem occurs frequently, replace the Controller Board.
If the problem persists, refer to the following procedure to repair it.
OF-01 Common System Fail

116-310 ESS Font ROM DIMM #2 Check Fail

[Error Type]

System Fail

[Fault Content]

ESS Font ROM DIMM #2 Check Failure

[Detection Conditions]

An error was detected when the ESS Font ROM DIMM #2 was checked.

[Corrective Actions]

Turn OFF then ON the power. If the problem persists, perform the following:

1. Remove and insert ESS Font ROM DIMM #2.
2. Replace ESS Font ROM DIMM #2.
3. Replace the Controller board.

116-311 ESS Font ROM DIMM #3 Check Fail

[Error Type]

System Fail

[Fault Content]

ESS Font ROM DIMM #3 Check Fail

[Detection Conditions]

A fail is detected during a check of ESS Font ROM DIMM #3.

[Corrective Actions]

Turn OFF then ON the power. If the problem persists, perform the following:
Disconnect and reconnect the ESS Printer-Kit/Fax Board/ROM DIMM. If the problem still persists, replace the Printer-Kit or the ROM-DIMM.

116-312 HDD Encrypt Key Fail

[Error Type]

System Fail

[Fault Content]

[HDD Encrypt Key Failure]

An error in the encryption key was detected on booting.

[Detection Conditions]

An error in the HDD encryption key was detected on booting.

[Corrective Actions]

Refer to OF-02 'HDD System Fail' to repair the trouble.

When the system has been recovered, set a correct HDD encryption key.

116-313 HDD Encrypt Set Up Fail**[Error Type]**

System Fail

[Fault Content]

[HDD Encrypt Set Up Failure]

An encryption setting error was detected on booting.

[Detection Conditions]

The encryption key was set up but the HDD itself was not encrypted.

[Corrective Actions]

Refer to OF-02 'HDD System Fail' to repair the trouble.

When the system has been recovered, set a correct HDD encryption key.

116-314 Ethernet Address Fail**[Error Type]**

System Fail

[Fault Content]

Ethernet Address Failure

[Detection Conditions]

An Ethernet error was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure.

Check the installation of SEEPROM on the ESS.

If the problem persists, refer to the following procedures in sequence to repair it.

OF-03 NET/USB System Fail

2.4 NET System Fault Check

116-315 ESS RAM DIMM #1 W/R Check Fail**[Error Type]**

System Fail

[Fault Content]

ESS RAM DIMM #1 W/R Check failure

[Detection Conditions]

An error was detected during the Read/Write operation of the ESS RAM DIMM #1.

[Corrective Actions]

Turn OFF then ON the power. If the problem persists, perform the following:

1. Remove and insert ESS RAM DIMM #1.
2. Replace ESS RAM DIMM #1.
3. Replace the Controller board.

116-316 ESS RAM DIMM #2 W/R Check Fail**[Error Type]**

System Fail

[Fault Content]

ESS RAM DIMM #2 W/R Check failure

[Detection Conditions]

An error was detected during the Read/Write operation of the ESS RAM DIMM #2.

[Corrective Actions]

Turn OFF then ON the power. If the problem persists, perform the following:

1. Remove and insert ESS RAM DIMM #2.
2. Replace ESS RAM DIMM #2.
3. Replace the Controller board.

116-317 Standard ROM DIMM Check Fail**[Error Type]**

System Fail

[Fault Content]

ESS ROM DIMM #1 Check Failure

[Detection Conditions]

An error was detected when the standard ROM DIMM was checked.

[Corrective Actions]

Turn OFF then ON the power. If the problem persists, perform the following:

1. Remove and insert ESS ROM DIMM #1.
2. Replace ESS ROM DIMM #1.
3. Replace the Controller board.

116-318 Op. ROM DIMM Check Fail

[Error Type]

System Fail

[Fault Content]

ESS ROM DIMM #2 Check Failure

[Detection Conditions]

An error was detected when the option ROM DIMM was checked.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure.

Pull out and insert the Prt-Kit or the ROM DIMM.

If the problem persists, replace the Prt-Kit or the ROM-DIMM.

116-319 Mismatch Cont ROM and Panel config**[Error Type]**

System Fail

[Fault Content]

A mismatch between the installed ROM and Panel configuration (FCW-UI or HB-UI).

[Detection Conditions]

Identify the installed program ROM type and Panel configuration using the hardware self-diagnostics immediately after power ON to check that they match.

If they do not match, display Chain-Link code on the Panel and abort system boot-up.

[Corrective Actions]

To match the program ROM type (HB or FCW) and the installed Panel configuration (HB or FCW), overwrite the program ROM or re-install the Panel.

116-320 STREAMZ Soft Fatal error**[Error Type]**

System

[Fault Content]

Fatal error of the STREAMZ

[Detection Conditions]

Fatal error of the STREAMZ

A problem has occurred in the software processing and it is unable to continue with the subsequent processes.

[Corrective Actions]

Turn the power OFF and ON.

116-321 System Soft Fatal error**[Error Type]**

System Fail

[Fault Content]

SysCon Error

[Detection Conditions]

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

116-322 WebDAV S/W Fail**[Error Type]**

System Fail

[Fault Content]

Fatal error related to WebDAV.

[Detection Conditions]

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

116-323 ESS NVRAM W/R Check Fail**[Error Type]**

System Fail

[Fault Content]

ESS NVRAM W/R Check Fail (defective NV-RAM part(s))

[Detection Conditions]

During a Read/Write check at power on, OS/DD detects an HW error with the ESS-NVRAM Board.

[Corrective Actions]

1. Disconnect and reconnect the NV-RAM Board and turn ON the power.
2. If problem 116-323 still persists, replace the NV-RAM Board.
3. After the replacement of the NV-RAM Board, 116-334 will occur. Take the corrective actions for 116-334 in order.
4. If problem 116-323 still persists, go to the following procedure to resolve it.

OF-01 016-782/016-784 Fail

116-324 Exception Fail**[Error Type]**

System Fail

[Fault Content]

The system detected an exception error

[Detection Conditions]

A fatal software exception error has occurred in the Controller PWB CPU. The cause is most likely the Controller software failure.

[Corrective Actions]

Power OFF/ON

[APC4300]

Turn OFF the power, then turn it ON while pressing both the [Start] and the [Stop] buttons. By maintaining that state for 6 seconds, the machine will automatically delete the print data that had caused the error and then restart itself.

If the problem persists, carry out the following procedure:

Pull out and insert or replace the RAM DIMM.

If the problem persists, perform the following procedure to repair it.

OF-08 116-324 Fail

116-325 ESS Fan Fail**[Error Type]**

System Fail

[Fault Content]

ESS FAN FAIL

[Detection Conditions]

An error occurred in the rotation of the ESS Fan.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure.

(1) Replace the ESS Fan.

116-328 L2 Cache Fail**[Error Type]**

System Fail

[Fault Content]

CPU Built-in Level 2 Cache Failure

[Detection Conditions]

A failure was detected in the Level 2 Cache built in the CPU.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

116-329 Serial IF Soft Fail**[Error Type]**

System Fail

[Fault Content]

[Fatal error related to Serial I/F]

System call error related to Serial I/F.

[Detection Conditions]

A system call error related to the Serial I/F was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

116-330 HDD File System Fail**[Error Type]**

System Fail

[Fault Content]

HDD File System Failure

[Detection Conditions]

HDD Check at power ON detected that an error has occurred or the HDD was not formatted.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-02 HDD System Fail

116-331 Invalid Log Info**[Error Type]**

System Fail

[Fault Content]

Log Management Information Incorrect

Same as NVM failure, this failure was detected at the NVM Log management information area.

[Detection Conditions]

A log related error was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure.

1. After removing the HDD and turning the power ON then OFF, install the HDD again and turn the power ON.

If the problem persists, perform the following procedure to repair it.

OF-02 HDD System Fail

116-332 ESS Standard ROM Error**[Error Type]**

System Fail

[Fault Content]

ESS On Board ROM Error

[Detection Conditions]

An error was detected in the ESS Built-In Standard ROM.

[Corrective Actions]

Turn the power OFF then ON.

Pull out and insert the ESS built-in standard ROM.

If the problem persists, replace the ESS built-in standard ROM.

116-333 LocalTalk Soft Fail

[Error Type]

System Fail

[Fault Content]

[Fatal error related to LocalTalk]

System call error related to LocalTalk.

[Detection Conditions]

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-03 NET/USB System Fail

2.4 NET System Fault Check

116-334 ESS NVRAM Data Compare Fail

[Error Type]

System Fail

[Fault Content]

ESS NVRAM Data Compare Fail (NV-RAM parts are good.)

[Detection Conditions]

During a check of Read/Write at power on, System Cont detects [ESS-NVRAM with factory settings is installed] or [Illegal ESS-NVRAM data is occurring].

Because data for initialization in ESS-ROM is written on ESS-NVRAM data when 116-334 is detected, powering OFF then ON after that causes System Fails (124-3xx) that indicate mismatches in various data between the three locations.

[Corrective Actions]

1. As powering OFF then ON after a detection of 116-334 will presumably cause errors 124-3xx that indicate various data mismatches between the three locations, resolve one(s) in DC132, following the corrective actions for the relevant Fault Code(s).
2. If 116-334 reoccurs despite powering OFF/ON, disconnect and reconnect the NV-RAM Board, then turn ON the power.
3. If the problem persists, replace the NV-RAM Board.

4. If the 116-334 problem still persists, go to the following procedure to resolve it.

OF-01:Common System Fail

116-336 Redirector HD Fail

[Error Type]

System Fail

[Fault Content]

[Redirector Fail]

HD failure detected in the Redirector.

[Detection Conditions]

An error was detected when HD was accessed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-02 HDD System Fail

116-337 SNTP S/W Fail

[Error Type]

System Fail

[Fault Content]

Fatal error related to SNTP.

[Detection Conditions]

Overall SNTP fatal error.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-02 HDD System Fail

116-338 JBA fatal error

[Error Type]

System Fail

[Fault Content]

Fatal error related to JBA.

[Detection Conditions]

Overall JBA fatal error.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

116-339 JBA No HD**[Error Type]**

System

[Fault Content]

JBA HDD is not connected

[Detection Conditions]

When the JBA is started up, the HDD is not installed

[Corrective Actions]

Check the HDD installation and turn the power OFF then ON.

If the problem persists, perform the following:

OF-09 Common Job Fail

116-340 Memory Not Enough**[Error Type]**

System Fail

[Fault Content]

[Insufficient memory]

The Page Memory, Entry Buffer and Work Area are insufficient. Malloc error, etc.

The tasks cannot start up.

[Detection Conditions]

Insufficient memory was detected during initialization. A PS option requiring an additional memory was installed but memory was not added.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure.

Remove the PostScript Option and perform the operation. For permanent recovery, add the Controller memory.

116-341 ROM VER Incorrect**[Error Type]**

System Fail

[Fault Content]

[ROM DIMM Version Mismatch]

Versions of the multiple ROM DIMMs installed are incorrect.

An invalid combination of ROM DIMMs are installed.

When installing multiple ROM DIMMs, it is necessary to match both the major versions and the minor versions.

[Detection Conditions]

Versions of the multiple ROM DIMMs installed are incorrect.

An invalid combination of ROM DIMMs are installed.

[Corrective Actions]

Check the versions of the multiple ROM DIMMs installed and replace them with an appropriate combination of DIMMs.

When installing multiple ROM DIMMs, it is necessary to match both the major versions and the minor versions.

116-342 SESAMi Manager Fail**[Error Type]**

System Fail

[Fault Content]

SESAMi Manager Fatal Error

[Detection Conditions]

Fatal error related to the SNMP Agent.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

1. Check whether or not the Controller ROM is the latest version.
If it is not the latest, upgrade it to the latest by referring to '2.6 Software Download'.
If the Controller ROM is the latest version, there is no need to download it.
2. If the problem persists, refer to '2.5.2 Logging/Extraction Tool Operational Instructions' to collect logs, and then contact Support G.

116-343 Main PWBA IC Fail**[Error Type]**

System Fail

[Fault Content]

Main PWBA IC Failure

[Detection Conditions]

An error was detected in the IC in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

116-345 TokenRing Board Fail**[Error Type]**

System

[Fault Content]

<Token Ring board failure>

Token Ring Control IC Access error.

As Imari does not have this board, this is not applicable.

[Detection Conditions]

Token Ring Control IC Access error

[Corrective Actions]

Turn the power OFF and ON.

116-346 Formatter Fail**[Error Type]**

System Fail

[Fault Content]

[Formatter Failure]

Various fatal errors are detected in the Formatter.

Fatal error of S-Formatter.

[Detection Conditions]

A response such as system function recall error was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

116-347 LocalTalk Board Fail**[Error Type]**

System

[Fault Content]

<LocalTalk board failure>

Check whether the LocalTalk board has been activated successfully.

As Imari does not have this board, this is not applicable.

[Detection Conditions]

The LocalTalk board cannot be activated successfully.

[Corrective Actions]

Turn the power OFF and ON.

116-348 Redirecter Fail**[Error Type]**

System Fail

[Fault Content]

[Redirecter Failure]

Various fatal errors detected in the Redirecter.

[Detection Conditions]

A response such as system function recall error was detected.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation. If the problem persists, refer to the following procedure to repair it.

Perform OF-01 Common System Fail. If NG, check the following procedures in sequence.

2.4 NET System Fault Check

OF-03 NET/USB System Fail

2.4.5 Network-Related Details Check Flow

116-349 SIF Fail to Call Pflite**[Error Type]**

System Fail

[Fault Content]

An error occurred when calling the Pflite function using the SIF.

[Detection Conditions]

An error occurred when calling the Pflite function using the SIF.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation. If the problem persists, refer to the following procedure to repair it.

Perform OF-01 Common System Fail. If NG, check the following procedures in sequence.

2.4 NET System Fault Check

OF-03 NET/USB System Fail

2.4.5 Network-Related Details Check Flow

116-350 AppleTalk Soft Fail**[Error Type]**

System Fail

[Fault Content]

Overall fatal error of AppleTalk.

[Detection Conditions]

Overall fatal error of AppleTalk.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation. If the problem persists, refer to the following procedure to repair it.

Perform OF-01 Common System Fail. If NG, check the following procedures in sequence.

2.4 NET System Fault Check

OF-03 NET/USB System Fail

2.4.5 Network-Related Details Check Flow

116-351 EtherTalk Soft Fail

[Error Type]

System Fail

[Fault Content]

Fatal error related to the EtherTalk.

[Detection Conditions]

Fatal error related to the EtherTalk.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation. If the problem persists, refer to the following procedure to repair it.

Perform OF-01 Common System Fail. If NG, check the following procedures in sequence.

2.4 NET System Fault Check

OF-03 NET/USB System Fail

2.4.5 Network-Related Details Check Flow

116-352 NetWare Soft Fail**[Error Type]**

System Fail

[Fault Content]

Fatal error related to the NetWare.

[Detection Conditions]

Fatal error related to the NetWare.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation. If the problem persists, refer to the following procedure to repair it.

Perform OF-01 Common System Fail. If NG, check the following procedures in sequence.

2.4 NET System Fault Check

OF-03 NET/USB System Fail

2.4.5 Network-Related Details Check Flow

116-353 HDD Physical Fail**[Error Type]**

System Fail

[Fault Content]

[HDD Physical Fail]

The HDD was not booted due to a physical HDD failure detected on booting.

[Detection Conditions]

The HDD was not booted due to a physical HDD failure detected on booting.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-02 HDD System Fail

116-354 HDD Product Fail**[Error Type]**

System Fail

[Fault Content]

[HDD ProductCode Fail]

The M/C was not started up due to a Product Code error detected in the HDD on booting.

[Detection Conditions]

The HDD was not started up due to a Product Code error detected in the HDD on booting. It is possible that the HDD had been formatted by the M/C of a different product.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

- To overwrite to the HDD of another product, refer to the following to perform the special boot forced formatting.

OF-02 HDD System Fail

116-355 Agent Soft Fail**[Error Type]**

System Fail

[Fault Content]

Fatal error related to the SNMP Agent.

[Detection Conditions]

Fatal error related to the SNMP Agent.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation. If the problem persists, refer to the following procedure to repair it.

OF-03 NET/USB System Fail

116-356 HDD Format Fail**[Error Type]**

System Fail

[Fault Content]

[HDD Format Fail]

The M/C was not started up due to an insufficient HDD capacity error detected during HDD formatting.

[Detection Conditions]

HDD was formatted but an incorrect HDD was connected or a HDD error occurred.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-02 HDD System Fail

116-357 PostScript Error**[Error Type]**

System Fail

[Fault Content]

PS Fatal System Error

[Detection Conditions]

PS Fatal System Error

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility. Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.
OF-01 Common System Fail

116-358 Salutation Soft Fail**[Error Type]**

System Fail

[Fault Content]

Fatal error related to Salutation.

[Detection Conditions]

Fatal error related to Salutation.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation. If the problem persists, refer to the following procedures in sequence to repair it.
2.4 NET System Fault Check
OF-03 NET/USB System Fail
2.4.5 Network-Related Details Check Flow

116-359 PLW Soft Fail**[Error Type]**

System Fail

[Fault Content]

Fatal error in PLW.

[Detection Conditions]

Fatal error in PLW.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility. Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.
OF-01 Common System Fail

116-360 SMB Soft Fail**[Error Type]**

System Fail

[Fault Content]

Fatal error related to SMB.

[Detection Conditions]

Fatal error related to SMB.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation. If the problem persists, refer to the following procedures in sequence to repair it.
2.4 NET System Fault Check
OF-03 NET/USB System Fail
2.4.5 Network-Related Details Check Flow

116-361 Spool Fatal HDD**[Error Type]**

System Fail

[Fault Content]

Fatal error of SPL HDD.

[Detection Conditions]

Fatal error of SPL HDD.

The SpoolCont detected an error at HDD access.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation. If the problem persists, refer to the following procedure to repair it.
OF-02 HDD System Fail

116-362 SSDP Soft Fail**[Error Type]**

System Fail

[Fault Content]

SSDP Software Fail

[Detection Conditions]

SSDP Software Fail

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation. If the problem persists, refer to the following procedure to repair it.

OF-02 HDD System Fail

116-363 BMLinkS/Print Service Soft Fail**[Error Type]**

System Fail

[Fault Content]

BMLinkS/Print Service Software Failure

[Detection Conditions]

BMLinkS/Print Service Software Failure

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation.

If the problem persists, refer to the following procedures in sequence to repair it.

2.4 NET System Fault Check

OF-03 NET/USB System Fail

2.4.5 Network-Related Details Check Flow

116-364 Timer Fail**[Error Type]**

System Fail

[Fault Content]

Timer Failure

[Detection Conditions]

An error in the timer was detected.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation.

If the problem persists, replace the NVM PWB.

If the problem persists, replace the ESS PWB.

If the system is not recovered after the ESS PWB has been replaced, install back the original ESS PWB and contact Support G.

116-365 Spool Fatal**[Error Type]**

System Fail

[Fault Content]

Fatal error of the SPL.

[Detection Conditions]

Fatal error of the SPL.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility.

Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

OF-01 Common System Fail

116-366 Report Gen. Soft Fail**[Error Type]**

System Fail

[Fault Content]

Print Utility Operational Failure, Report Generator Operational Failure

[Detection Conditions]

An operation failure of the Report Generator.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility.

Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

OF-01 Common System Fail

116-367 Parallel IF Soft Fail**[Error Type]**

System Fail

[Fault Content]

Overall fatal error of Parallel.

[Detection Conditions]

Overall fatal error of Parallel.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation.

If the problem persists, refer to the following procedures in sequence to repair it.

2.4 NET System Fault Check

OF-03 NET/USB System Fail

116-368 Dump Print Fail

[Error Type]

System Fail

[Fault Content]

Fatal error of DumpPrint.

[Detection Conditions]

Fatal error of DumpPrint.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility.

Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

OF-01 Common System Fail

116-370 XJCL Fail

[Error Type]

System Fail

[Fault Content]

Fatal error of XJCL.

[Detection Conditions]

Fatal error of XJCL.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility by performing the same operation.

If the problem persists, refer to the following procedures in sequence to repair it.

2.4 NET System Fault Check

OF-03 NET/USB System Fail

2.4.5 Network-Related Details Check Flow

116-371 PCL Decomp S/W Fail

[Error Type]

System Fail

[Fault Content]

PCL Decomposer Software Failure

[Detection Conditions]

Fatal error of PCL.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility.

Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

OF-01 Common System Fail

116-372 P-Formatter Fail

[Error Type]

System Fail

[Fault Content]

Fatal error of P-Formatter.

[Detection Conditions]

Fatal error of P-Formatter.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility.

Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

OF-01 Common System Fail

116-373 Dynamic DNS Soft Fail

[Error Type]

System Fail

[Fault Content]

Fatal error related to Dynamic DNS.

[Detection Conditions]

Fatal error related to DDNS.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility.

Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

2.4 NET System Fault Check

OF-03 NET/USB System Fail

2.4.5 Network-Related Details Check Flow

116-374 Auto Switch Fail

[Error Type]

System Fail

[Fault Content]

Fatal error of Auto SW.

[Detection Conditions]

Fatal error of Auto SW.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility.

Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

OF-01 Common System Fail

2.4 NET System Fault Check

OF-03 NET/USB System Fail

2.4.5 Network-Related Details Check Flow

116-375 I-Formatter Fail**[Error Type]**

System Fail

[Fault Content]

Fatal error of I-Formatter.

[Detection Conditions]

A response such as system function recall error was detected.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility.

Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

OF-01 Common System Fail

116-376 Port 9100 Software Fail**[Error Type]**

System Fail

[Fault Content]

Port 9100 Software Fail

[Detection Conditions]**[Corrective Actions]**

Turn the power OFF then ON, and check for reproducibility.

Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

2.4 NET System Fault Check

OF-03 NET/USB System Fail

2.4.5 Network-Related Details Check Flow

116-377 Video DMA Fail**[Error Type]**

System Fail

[Fault Content]

Video DMA Fail

[Detection Conditions]

Video DMA failure was detected.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility.

Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

OF-01 Common System Fail

116-378 MCR Soft Fail**[Error Type]**

System Fail

[Fault Content]

Fatal error of MCR (Mail Contents Requester).

[Detection Conditions]

Fatal error related to MCR.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility.

Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

2.4 NET System Fault Check

OF-03 NET/USB System Fail

2.4.5 Network-Related Details Check Flow

116-379 MCC Soft Fail**[Error Type]**

System Fail

[Fault Content]

Fatal error of MCC (Mail Contents Creator).

[Detection Conditions]

Fatal error related to MCC.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility.

Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

- 2.4 NET System Fault Check
- OF-03 NET/USB System Fail
- 2.4.5 Network-Related Details Check Flow

116-380 ESS Font ROM DIMM #1 Check Fail

[Error Type]

System Fail

[Fault Content]

ESS Font ROM DIMM #1 Check Failure

[Detection Conditions]

An error was detected when the ESS Font ROM DIMM #1 was checked.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure.

Pull out and insert the ESS Prt-Kit, the Fax Board or the ROM DIMM. If the problem persists, replace the Prt-Kit or the ROM-DIMM.

116-381 ABL Initialize Fail

[Error Type]

System Fail

[Fault Content]

AddressBookLibrary Initialization Failure

[Detection Conditions]

ABL did not match the ABL version information on the NVM, or corrupted data was detected.

[Corrective Actions]

Perform Clear Controller NVM on the system.

As this will clear all address information, request permission from the user before performing this.

116-382 ABL Phisycal Initialize Fail

[Error Type]

System Fail

[Fault Content]

AddressBookLibrary Initialization Not Available

[Detection Conditions]

ABL has failed to access the NVM or HDD.

[Corrective Actions]

Set ChainLink 790-664 to 0.

If the problem persists, replace the NVM component on the NVM Controller.

If the problem persists, perform the following procedure to repair it.

OF-02 HDD System Fail

116-383 PIT Lib Failure

[Fault Name]

PIT Lib Failure

[Error Type]

System

[Fault Content]

Ama + toto Board Fault/Non-installation, or HDD access error

[Detection Conditions]

1. During execution of job, non-installation of Image Extension Kit (Ama + toto Board) on Controller board is detected.Or, during execution of job, Ama + toto board fault is detected.
2. An HDD access error was detected during job execution.
3. Insufficient memory is detected during image log creation.

NOTE: Note the difference in timing that although 016-231 is detected during power ON, it is 'detected during job execution'.

[Corrective Actions]

1. Power OFF/ON, and after restart, check that the error (= 116-383) does not occur, and whether 016-231 occurs on the top-right of the screen.
-> If 016-231 occurs, perform the solution for 016-231.
If the error does not occur, proceed to (2) for the HDD access error.
2. OF-02 HDD System Fail
3. If power OFF/ON, and the error persists, press [Energy Saver+Stop+6] while powering On.The document causing the error will be deleted.

116-384 DCS Software Fail

[Error Type]

Sys

[Fault Content]

DCS Fatal Error

[Detection Conditions]

DCS-related fatal error.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF and ON.

If the problem persists, perform the following procedure:

OF-01 Common System Fail

116-385 IDC Software Fail**[Error Type]**

System Fail

[Fault Content]

IDC Software Fail

[Detection Conditions]

Fatal error related to IDC.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility. Refer to the Error History Report. If the same failure occurs frequently, refer to the following to repair it.

OF-01 Common System Fail

116-386 Incorrect USB port used for FAX**[Error Type]**

System Fail

[Fault Content]

Fax USB Cable Inserted Incorrectly

[Detection Conditions]

At startup, the Fax USB Cable was connected to an incorrect port.

[Corrective Actions]

Turn the power OFF, connect the Fax USB Cable to the correct USB port, then turn the power ON.

116-387 MRC HW Fatal Error**[Error Type]**

System Fail

[Fault Content]

MRC HW Fatal Error

[Detection Conditions]

A fatal error has occurred during the usage of High Compression Board.

[Corrective Actions]

Replace the High Compression Board.

If the problem persists, contact the Development Dept. to request for investigation.

If the cause of error is not clear, perform the following and check whether the status improved.

- Replace the Memory Modules on the Main PWB.
- Replace the Main PWB.

116-388 No HD that Should Be**[Error Type]**

System Fail

[Fault Content]

The necessary HD was not installed.

[Detection Conditions]

1. The system detected that the HDD was not installed, even though the system configuration (with Fax and Finisher) requires a HDD.
2. The system detected that the HD was not installed when SW optional function was enabled.

[Option name to be detected]

- Scanner Kit

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, install the HDD correctly.

If the problem persists, perform the following procedure to repair it.

OF-02 HDD System Fail

116-389 No Add-On RAM that Should Be**[Error Type]**

System Fail

[Fault Content]

The necessary additional RAM was not installed.

[Detection Conditions]

1. The system detected that additional RAM was not installed, even though the system configuration (with HDD etc.) requires the installation of additional RAM.
2. Insufficient System Memory was detected when SW optional function was enabled.

[Option name to be detected]

- Printer Kit
- Scanner Kit

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure.

1. Reinstall or replace the RAM DIMM for J331.

If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

116-390 Standard ROM and NVM Version Mismatch**[Error Type]**

System Fail

[Fault Content]

Versions of Standard ROM and NVM Mismatch

[Detection Conditions]

Incompatible versions of the Standard ROM and NVM were detected.

[Corrective Actions]

1. Initialize the NVM by following the instructions on the LCD display.
2. If the NVM is not to be initialized, use a compatible version of the Controller ROM (Standard ROM).

116-391 Illegal code (country/territory/size group)

[Error Type]

System Fail

[Fault Content]

Country Code/Territory Code/Paper Size Group Setting Error Detected

[Detection Conditions]

When the machine is turned on and started (or also rebooted), nation info, territory code and paper size group kept in SEEP-ROM are checked. As a result, an undefined code is detected regarding one(s) of those pieces of information.

However, when it is turned on and started (or also rebooted) in the following way, the machine starts successfully without checking for an error.

- Special Boot (Power Saver+Clear All+Power ON)

[Corrective Actions]

Turn OFF then ON the power. If the problem persists, perform the following:

1. Enter the correct nation code, territory code and paper size group in SEEP-ROM.
 - * CL No.
 - 700-165=nation code
 - 700-338=territory code
 - 700-402=paper size groupFor correct data, see System Data List.
2. After entering the correct values in SEEP-ROM, be sure to initialize NVMs (Sys-System).
If NVMs (Sys-System) are not initialized, NVN values generated based on wrong data in SEEP-ROM will not be updated to be the correct values.

116-392 Machine Code Check Fail

[Error Type]

System Fail

[Fault Content]

ROM DIMM Machine Code Check Fail

[Detection Conditions]

The machine code that is stored in the SEEPROM of the ESS ROM, which is inserted in SLOT1 or SLOT2, does not match the machine code that is stored in the SEEPROM on the Controller board (or on the Back Plane).

KOHAKU

Check the machine codes for both SLOT1 and SLOT2. If even one of them does not match, this Fault will occur.

Although the correct way is to insert ESS ROM for Netware into SLOT1 and the ESS ROM for Printer Kit into SLOT2, the machine will not display this Fault Code even if they are inserted wrongly as long as the machine codes are matched.

[Corrective Actions]

Insert the Printer Kit or the PS Kit and Emulation Kit that is specified for this machine into their specified slots on the Controller Board.

The correct way is to insert the ESS ROM for Netware into SLOT1 and the ESS ROM for Printer Kit into SLOT2.

However, if the problem persists even when the Printer Kit or the PS Kit and Emulation Kit that is specified for this machine has been inserted into their specified slots, either replace the Kits or the Controller Board.

116-393 AAA Manager S/W Fail

[Error Type]

System Fail

[Fault Content]

AAA Manager Fatal Error

[Detection Conditions]

AAA-related fatal error was detected

[Corrective Actions]

Upgrade to the latest version.

If the problem still persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

116-394 AAA Manager detect illegal setting Auth. & Acct.

[Error Type]

System Fail

[Fault Content]

Abnormal Authentication Mode and Accounting Mode Settings Detected during AAA Manager Boot Sequence

[Detection Conditions]

Before the AAA Manager Task had reached Task Available (Ready to Copy is displayed) during the boot sequence, abnormal settings of system data in the authentication system and the accounting system was detected. This is caused by system data mis-setting from tools other than KO TOOLS.

[Corrective Actions]

Upgrade to the latest version.

If the problem still persists, obtain the info9 or xxx.tgz log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

116-395 USB Soft Fail

[Error Type]

System Fail

[Fault Content]

Fatal error related to USB.

[Detection Conditions]

Fatal error related to USB.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON, and check for reproducibility. Refer to the CE log, etc. If the same failure occurs frequently, refer to the following to repair it.

2.4 NET System Fault Check

OF-03 NET/USB System Fail

2.4.5 Network-Related Details Check Flow

116-396 FIPS140 Self-Test Fail**[Error Type]**

system

[Fault Content]

<FIPS140 Self-Test Fail> At start, the FIPS140 Encryption Module self-test has detected a failure.

[Detection Conditions]

At start, the FIPS140 Encryption Module self-test has detected a failure. Self-Test Error due to illegal ROM (FW).

[Corrective Actions]

1. Turn the power OFF then ON.
2. Replace or upload again the ROM (FW).

116-397 AAAMgr illegal setting area coverage threshold.**[Error Type]**

system

[Fault Content]

The Plain Total Color Judge Threshold setting is wrong.

[Detection Conditions]

When the condition below is met in setting system data values in boot sequence:

720-061(threshold B) <= 720-060(threshold A)

*If Chain-Link 720-060 Value is not below 720-061 Value, FAULT will be detected.

[Corrective Actions]

1. Turn the power OFF then ON.
2. Set up system data values that meet the relation between them as below:

Chain-Link 720-061(threshold B) > Chain-Link 720-060(threshold A)

*Chain-Link 720-060 Value must be below 720-061 Value.

116-399 MUnder initialization for 10 minutes**[Error Type]**

Sys

[Fault Content]

The machine remains in initializing state even after 10 minutes has passed since it has started up (not including the startup after Power Save).

[Detection Conditions]

When 10 minutes had passed after the Pflite has started up, 'the machine remains in initializing state' was detected. => 10 minutes had passed in a situation where neither Ack nor Nack was returned from any task.

This failure is detected only in startup modes such as 'Normal Cold Boot' and 'Reboot Mode (during Diag exit, etc.)'. In other modes such as 'Recovery from Power Save' and 'Special Boot Mode', the failure is not detected because the timeout time of 10 minutes is difficult to guarantee.

- Reboot the machine once if it remains in initializing state even when the 10-minute timeout time has passed after power ON.
- Obtain the 'PfShowInfo8' log and save it in the HDD before rebooting.
- 'Ready to Copy' is displayed and the error code is not displayed at normal start up after rebooting.
- If 116-399 occurs again after rebooting, the System Fail screen is displayed.
- For cases where 116-399 is displayed, the pfshowinfo8 log is obtained twice successively.
- Although the log is saved in the HDD even if 116-399 is not displayed because the machine cannot shift to the SysFail state, the latest histories might not get logged.

[Corrective Actions]

Use 'PfShowInfoRedirFile' to obtain all the logs saved in the HDD, and retry the operation to see if the problem persists. If the machine does not start up while displaying 'Please Wait' after power ON, obtain 'info9 or xxx.tgz' before 10 minutes has passed.

Get ready to provide the obtained logs and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

116-700 Image Extension Kit Insufficient Memory**[Error Type]**

Warning

[Fault Content]

Image Expansion Kit has Insufficient Memory

[Detection Conditions]

When the system data 'Log/Image Creation Guarantee Level' is set to 'Low', the Image Extension Kit has insufficient memory.

[Corrective Actions]

Set the image quality to 'Normal'.

116-701 Out of Memory-Duplex Fail

[Error Type]

Warning

[Fault Content]

One-page data was printed on multiple pages during 2-Sided Print (The title with two or more lines was printed on 2 pages).

[Detection Conditions]

The title with two or more lines was printed on 2 pages because 2-Sided Print is not available due to insufficient memory.

[Corrective Actions]

Expand the memory or install the HDD if it is not installed.

116-702 Print with Substitute Font

[Error Type]

Warning

[Fault Content]

Printing performed with a substitute font.

[Detection Conditions]

Printing performed with a substitute font.

[Corrective Actions]

Install an appropriate Font ROM.

116-703 PostScript LANG Interpret ERR

[Error Type]

Warning

[Fault Content]

[PS Interpret Error]

An error has occurred in language analysis.

[Detection Conditions]

There is a problem in the PostScript data and an error occurred in PostScript grammar interpretation or language interpretation.

[Corrective Actions]

Perform the following procedure to repair it.

OF-09 Common Job Fail

When another PostScript printer exists at the customer site, print data on that printer and check if the same problem occurs.

116-704 MediaReaderMedia No Insert(No Job)

[Error Type]

Warning

[Fault Content]

[Media Reader] Media Not Inserted (Occurs in other situations than during job)

[Detection Conditions]

The MediaLib detected this error while performing the operation that requires access to Media.

[Corrective Actions]

1. Check that the Media is inserted.

116-705 MediaReader Format Error(No Job)

[Error Type]

Warning

[Fault Content]

[Media Reader] Format Error (Occurs in other situations than during job)

[Detection Conditions]

The MediaLib detected this error while performing the operation that requires access to Media.

[Corrective Actions]

1. Check the contents in the Media from the PC. Check the file format/directory and selected mode (Digital Camera Print/Document Print).

116-706 MediaReader:File Attribute Read Error(No Job)

[Error Type]

Warning

[Fault Content]

[Media Reader] File Attribute Retrieval Error (Occurs in other situations than during job)

[Detection Conditions]

The MediaLib detected this error while performing the operation that requires access to Media.

[Corrective Actions]

1. Check the contents in the Media from the PC. Check whether the printed file attribute information is displayed in the PC.

116-707 MediaReader:Image File Read Error(No Job)

[Error Type]

Warning

[Fault Content]

[Media Reader] Image File Retrieval Error (Occurs in other situations than during job)

[Detection Conditions]

The MediaLib detected this error while performing the operation that requires access to Media.

[Corrective Actions]

1. Check the contents in the Media from the PC. Check whether the print file images are displayed in the PC.

116-708 MediaReader:File Attribute Read Error(In Job)**[Error Type]**

Warning

[Fault Content]

[Media Reader] File Attribute Retrieval Error (Occurs during job)

[Detection Conditions]

The MediaLib detected this error while performing the operation that requires access to Media.

[Corrective Actions]

1. Check the contents in the Media from the PC. Check whether the printed file attribute information is displayed in the PC.

116-709 MediaReader:Image File Read Error(In Job)**[Error Type]**

Warning

[Fault Content]

[Media Reader] Image File Retrieval Error (Occurs during job)

[Detection Conditions]

The MediaLib detected this error while performing the operation that requires access to Media.

[Corrective Actions]

1. Check the contents in the Media from the PC. Check whether the print file images are displayed in the PC.

116-710 HP-GL/2 Memory Overflow**[Error Type]**

Warning

[Fault Content]

HP-GL Spool File Overflow

[Detection Conditions]

HP-GL/2 memory overflows.

[Corrective Actions]

Increase the HP-GL spool size. Or, install the HDD.

116-711 PLW Size/orientation mismatch**[Error Type]**

Warning

[Fault Content]

[PLW Form Overlay Error]

Form Overlay is impossible because the size/orientation of the PLW form's drawing is different from that of the paper.

[Detection Conditions]

Form Overlay is impossible because the size/orientation of the PLW form's drawing is different from that of the paper.

[Corrective Actions]

Select paper that has the same size and orientation as the registered form.

116-712 Out of Area-Form REGI ERR**[Error Type]**

Warning

[Fault Content]

[Insufficient PLW Form Capacity]

The PLW form/logo data cannot be registered due to insufficient RAM or HD space.

[Detection Conditions]

The PLW form/logo data cannot be registered due to insufficient RAM or HD space.

[Corrective Actions]

After checking the registered forms/logos using the Operation Panel utility, delete the unnecessary forms/logos. Or, increase the allocated capacity of the RAM disk.

116-713 Job divided by HDD Full**[Error Type]**

Warning

[Fault Content]

[HDD Full Warning]

The job output was split into batches due to HDD Full.

[Detection Conditions]

Collate operation was split when HDD Full occurred in Print Service.

[Corrective Actions]

Delete the stored documents and clear HDD Full.

If the problem persists, split the job so that HDD Full does not occur.

If the problem persists (and the cause may be an HDD failure), perform the following procedure to repair it.

OF-02 HDD System Fail

116-714 HP-GL/2 Command ERR**[Error Type]**

Warning

[Fault Content]

A HP-GL command error was detected.

[Detection Conditions]

HP-GL/2 command error occurred.

[Corrective Actions]

Correct or remove the data in the print data that causes the error.

If the problem persists (and the cause may be an HDD failure), perform the following procedure to repair it.

2.4 NET System Fault Check

2.4.4 Printing can be performed but abnormally

2.4.5 Network-Related Details Check Flow

116-715 Max Form to PLW Registered

[Error Type]

Warning

[Fault Content]

[PLW Form Registration Error]

The PLW form data cannot be registered because of the restriction on the no. of forms.

[Detection Conditions]

The PLW form data cannot be registered because of the restriction on the no. of forms.

[Corrective Actions]

After checking the registered forms using the Operation Panel utility, delete the unnecessary forms/logos. Or, delete the unnecessary forms with Print Command.

116-716 MediaReader File Not Exist

[Error Type]

Warning

[Fault Content]

[Media Reader] No Target File (Occurs in other situations than during job)

[Detection Conditions]

The MediaLib detected this error while performing the operation that requires access to Media.

[Corrective Actions]

1. Check the contents in the Media from the PC. Check the file format/directory and selected mode (Digital Camera Print/Document Print).

116-717 MediaLib:Not Excecute of New Request

[Error Type]

Warning

[Fault Content]

[Media Reader] MediaLib New Execution Request Cannot Be Received

[Detection Conditions]

The MediaLib detected this error while performing the operation that requires access to Media.

[Corrective Actions]

1. Check the contents in the Media from the PC. It is not necessary to check the file format/directory in the Media (as this error does not occur when the previous job is complete).

116-718 Selected PLW Form Not Registered

[Error Type]

Warning

[Fault Content]

[PLW Form Overlay Error]

The specified form is not registered.

[Detection Conditions]

The specified form is not registered.

[Corrective Actions]

Use a registered form or register the required form.

116-719 XPIF Parameter Cancelled

[Error Type]

warning

[Fault Content]

Cancellation of the parameter(s) disabled by XPIF

[Detection Conditions]

The device was instructed to execute a function it did not support.

The device was instructed to execute a function or a combination of functions that it was not ready to execute.

[Corrective Actions]

Some of the parameters are disabled by XPIF so the device cannot execute them; cancel the disabled parameter(s).

116-720 PCL Memory Low,Page Simplified

[Error Type]

Warning

[Fault Content]

PCL Memory Low, Page Simplified

[Detection Conditions]

[Corrective Actions]

Deactivate the unnecessary ports. Adjust various buffer memory sizes. Add an expanded memory.

116-725 HDD full for Image Log

[Error Type]

Warning

[Fault Content]

The log image storage area on the disk is full.

[Detection Conditions]

With the system data 'Level of Ensuring Log Image Creation' set to 'Low,' the log image storage area on the disk is full.

[Corrective Actions]

Rerun the job.

If the situation is the same despite some re-attempts, delete unnecessary documents saved in the device.

116-737 Out of Area-Data REGI ERR**[Error Type]**

Warning

[Fault Content]

[Insufficient ART User Defined Area]

The user defined data (external characters, patterns, etc) cannot be registered due to insufficient RAM capacity.

[Detection Conditions]

The user defined data (external characters, patterns, etc) cannot be registered due to insufficient RAM capacity.

[Corrective Actions]

Delete the registered user-defined data. Or, increase the allocated capacity of RAM.

116-738 Size/orientation mismatch**[Error Type]**

Warning

[Fault Content]

[Form Overlay Error]

Form Overlay is impossible because the size/orientation of the form's drawing is different from that of the paper.

[Detection Conditions]

Form Overlay is impossible because the size/orientation of the form's drawing is different from that of the paper.

[Corrective Actions]

Select paper that has the same size and orientation as the registered form.

116-739 Out of Disk Area-Form/Logo REGI ERR**[Error Type]**

Warning

[Fault Content]

[Insufficient Form/Logo Capacity]

The form/logo data cannot be registered due to insufficient RAM or Hard Disk space.

[Detection Conditions]

The form/logo data cannot be registered due to insufficient RAM or Hard Disk space.

[Corrective Actions]

After checking the registered forms/logos using the Operation Panel utility, delete the unnecessary forms/logos. Or, increase the allocated capacity of the RAM disk.

116-740 Arithmetic Error**[Error Type]**

Warning

[Fault Content]

[Value Calculation Error]

The value calculated in the Interpreter exceeded the limit.

[Detection Conditions]

The value calculated in the Interpreter exceeded the limit.

[Corrective Actions]

Upgrade the driver.

116-741 Max Form to Not PLW Registered**[Error Type]**

Warning

[Fault Content]

[Form Registration Error]

The form data cannot be registered due to the restriction on the no. of forms.

[Detection Conditions]

The form data cannot be registered due to the restriction on the no. of forms.

[Corrective Actions]

After checking the registered forms using the Operation Panel utility, delete the unnecessary forms/logos. Or, delete the unnecessary forms with Print Command.

116-742 Max Logo Registered**[Error Type]**

Warning

[Fault Content]

[Logo Registration Error]

The logo data cannot be registered due to the restriction on the no. of logos.

[Detection Conditions]

The logo data cannot be registered due to the restriction on the no. of logos.

[Corrective Actions]

After checking the registered logos using the Operation Panel utility, delete the unnecessary logos.
Or, delete the unnecessary logos with Print Command.

116-743 Out of Buffer Area-Form/Logo REGI ERR

[Error Type]

Warning

[Fault Content]

[Form/Logo Size Overflow]

The received data (form/logo) exceeded the registered buffer size.

[Detection Conditions]

Form/logo cannot be registered (insufficient area)

The received data (form/logo) exceeded the registered buffer size.

[Corrective Actions]

Increase the size of the Form Registration Area using the Operation Panel. Or, install the HD.

116-745 ART Command ERR

[Error Type]

Warning

[Fault Content]

[ART Command Error]

During Decompose, the Decomposer checks for syntax error and values that exceed their respective limit values.

[Detection Conditions]

During Decompose, the Decomposer checks for syntax error and values that exceed their respective limit values.

[Corrective Actions]

Upgrade the driver.

And upgrade the ESS software to the latest version.

116-746 Selected Form Not Registered

[Error Type]

Warning

[Fault Content]

[Form Overlay Error]

The specified form is not registered.

[Detection Conditions]

The specified form is not registered.

[Corrective Actions]

Use a registered form or register the required form.

116-747 Invalid Page Margin

[Error Type]

Warning

[Fault Content]

[White page was detected]

After subtracting the paper margin from the valid coordinate area, the result of the calculation will be negative.

[Detection Conditions]

After subtracting the paper margin from the valid coordinate area, the result of the calculation will be negative.

[Corrective Actions]

Repeat the operation.

116-748 Page without Image Draw Data

[Error Type]

Warning

[Fault Content]

[White page was detected]

Drawing data does not exist in the page data.

[Detection Conditions]

Drawing data does not exist in the page data.

[Corrective Actions]

Repeat the operation.

116-749 PostScript Font error

[Error Type]

Warning

[Fault Content]

[PS Font Error]

Job was aborted because the specified font is not found.

[Detection Conditions]

The specified font is not found in the ROM or the HDD.

[Corrective Actions]

Add fonts. Or, specify a substitute using UI.

116-751 Booklet Aborted by HDD Fail

[Error Type]

Warning

[Fault Content]

<HDD Full Warning> Booklet processing has stopped due to HDD Full

[Detection Conditions]

When a Booklet Job is writing into the HDD, the Job is aborted because the HDD became full

[Corrective Actions]

Delete the stored documents and clear HDD Full.

If the problem persists, split the job so that HDD Full does not occur.

If the problem still persists, perform the following:

OF-02 HDD System Fail

116-752 Print job ticket description warning**[Error Type]**

Warning

[Fault Content]

Print Job Ticket Description Warning

[Detection Conditions]

When a user instructs to print from an application that directly sends PDF, such as 'ContentsBridge2005', the machine received the print job ticket sent together with the PDF but the job ticket data includes 'printing instructions that are not supported by the machine'.

In particular, the job ticket also contains printing instructions that are only supported by other machines that was developed after this machine was released. Those instructions that are unrelated to the functions provided in this machine are cancelled before processing.

[Corrective Actions]

Although some functions that are not supported by this machine were specified in the print job ticket, those instructions will be cancelled because they are unrelated to the functions provided in this machine and the printing will continue. You can check for the cancelled functions by outputting the Job History Report.

To use the cancelled printing instructions, print to a machine that supports those functions.

Obtain the Printer Setting List, Job History Report, and the print job ticket that was sent when the problem recurred, then contact the Support Department.

OF-09 Common Job Fail

116-771 Invalid JBIG Param DL Fixed**[Error Type]**

Warning

[Fault Content]

An incorrect JBIG parameter DL was automatically corrected.

[Detection Conditions]

An incorrect JBIG parameter DL was detected and automatically corrected.

[Corrective Actions]

No action necessary.

116-772 Invalid JBIG Param D Fixed**[Error Type]**

Warning

[Fault Content]

An incorrect JBIG parameter D was automatically corrected.

[Detection Conditions]

An incorrect JBIG parameter D was detected and automatically corrected.

[Corrective Actions]

No action necessary.

116-773 Invalid JBIG Param P Fixed**[Error Type]**

Warning

[Fault Content]

An incorrect JBIG parameter P was automatically corrected.

[Detection Conditions]

An incorrect JBIG parameter P was detected and automatically corrected.

[Corrective Actions]

No action necessary.

116-774 Invalid JBIG Param YD Fixed**[Error Type]**

Warning

[Fault Content]

An incorrect JBIG parameter YD was automatically corrected.

[Detection Conditions]

An incorrect JBIG parameter YD was detected and automatically corrected.

[Corrective Actions]

No action necessary.

116-775 Invalid JBIG Param L0 Fixed**[Error Type]**

Warning

[Fault Content]

An incorrect JBIG parameter L0 was automatically corrected.

[Detection Conditions]

An incorrect JBIG parameter L0 was detected and automatically corrected.

[Corrective Actions]

No action necessary.

116-776 Invalid JBIG Param MX Fixed**[Error Type]**

Warning

[Fault Content]

An incorrect JBIG parameter MX was automatically corrected.

[Detection Conditions]

An incorrect JBIG parameter MX was detected and automatically corrected.

[Corrective Actions]

No action necessary.

116-777 Invalid JBIG Param MY Fixed**[Error Type]**

Warning

[Fault Content]

An incorrect JBIG parameter MY was automatically corrected.

[Detection Conditions]

An incorrect JBIG parameter MY was detected and automatically corrected.

[Corrective Actions]

No action necessary.

116-778 Invalid JBIG Par VLENGTH Fixed**[Error Type]**

Warning

[Fault Content]

An incorrect JBIG parameter VLENGTH was automatically corrected.

[Detection Conditions]

An incorrect JBIG parameter VLENGTH was detected and automatically corrected.

[Corrective Actions]

No action necessary.

116-780 Attached Document Error**[Error Type]**

Warning

[Fault Content]

Attached document error of E-mail to XXX.

[Detection Conditions]

The system detected an error in the document attached to the E-mail to XXX.

[Corrective Actions]

No action necessary.

116-790 Stapling Canceled**[Error Type]**

warning

[Fault Content]

Staple was canceled.

[Detection Conditions]

Either all or one of the lead Stapler is canceled during print

[Corrective Actions]

1. If the operator stops a FAX/Internet FAX Mailbox received documents print, cancel one of the lead Stapler and print.
2. If 1. is not possible, cancel Stapler for all copy and print

117-310 WSD Scan S/W Fail

[Error Type]

system

[Fault Content]

WSD Scan S/W Fail

[Detection Conditions]

A problem occurred in the processing of WSD Scan Service Software, causing the processing to discontinue after that.

[Corrective Actions]

Power OFF then ON.

If the problem persists, do the following:

OF-01 Common System Fail

117-311 Wrong insertion of security enhancing kit

[Error Type]

system

[Fault Content]

Wrong insertion of security enhancing kit

[Detection Conditions]

The Security Extension Kit is not installed in the correct slot.

[Corrective Actions]

Install the Security Extension Kit in the correct slot.

117-312 Device Self Test Error

[Fault Name]

Device Self Test Error

[Error Type]

System

[Fault Content]

Device Program Self Test Error

[Detection Conditions]

In an OS self program determination test, it was detected that the Checksum value and the Mini OS/Program were different.

-Unsuccessful due to the Mini OS fault.

-Unsuccessful startup due to the damaged program.

-(It was detected that) the data was illegally overwritten as the Mini OS/Program are different from the Checksum value.

[Corrective Actions]

1. The firmware update or reinstallation
2. If the problem is not resolved, replace the following parts.

-Replace the board

117-316 Contract Manager Software Fail

[Fault Name]

Contract Manager Software Fail

[Error Type]

System

[Fault Content]

Contract Manager Software has malfunctioned

[Detection Conditions]

When the Contract Manager is running, it can no longer perform task control due to software malfunction.

[Corrective Actions]

Turn the power OFF, make sure that the Control Panel has turned OFF, and then turn the power ON again. (If the problem reoccurs, contact the administrator/telephone center, etc.).

117-317 Contract Manager PPP_contract Finishing Fail

[Fault Name]

Contract Manager PPP_contract Finishing Fail

[Error Type]

System

[Fault Content]

PagePackPIN Contract Ended

[Detection Conditions]

The Contract Manager detected that the PPP contract has ended.

[Corrective Actions]

Wait for reboot.

117-318 Contract Manager PPP DC Command Fail

[Fault Name]

Contract Manager PPP DC Command Fail

[Error Type]

System

[Fault Content]

DC command write failure at the end of PPP contract.

[Detection Conditions]

The Contract Manager detected that the DC command write that was performed at the end of a PPP contract has failed.

[Corrective Actions]

Wait for reboot.

117-319 SD Card Program or Font Data Access Fail**[Fault Name]**

SD Card Program or Font Data Access Fail

[Error Type]

System

[Fault Content]

Failed to access SD Card Program/Font Data

[Detection Conditions]

When attempting to extract programs and font data from the SD Card into the memory immediately after Power ON, an access error occurs and retrying still results in access failure.Or, the [Write Protection Switch] of the SD Card is locked and prohibits writing, which will also be treated as an error.

[Corrective Actions]

Check whether there is any problem with the installation of the SD Card and whether the [Write Protection Switch] lock at the left of the SD Card is enabled. If there is no problem with the installation and the Write Protection Switch setting, rewrite the program and font data into the SD Card.If the problem persists after the rewrite, replace the SD Card.

If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

117-320 SD Card HW Fail**[Fault Name]**

SD Card HW Fail

[Error Type]

System

[Fault Content]

SD Card Hardware Error is detected

[Detection Conditions]

When starting up, SD Card Hardware Error was detected by SysCheckSD.

[Corrective Actions]

Perform the following, starting from 1 (Reboot and check after each step. If the problem is fixed by a step, there is no need to perform the rest.)

1. Clear Log Data (Energy Saver + Stop + 1)
2. Clear Spool Area (Energy Saver + Stop + 6 or Stop + Start)
3. Format HDD (SD Card) (Energy Saver + Stop + 4)
4. Replace the SD Card

If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

117-321 SD Card Invalid Type Fail**[Fault Name]**

SD Card Invalid Type Fail

[Error Type]

System

[Fault Content]

Unsupported SD Card is installed

[Detection Conditions]

When starting up, the installed SD Card was detected to be unsupported by SysCheckSD.

[Corrective Actions]

Perform the following, starting from 1 (Reboot and check after each step. If the problem is fixed by a step, there is no need to perform the rest.)

1. Clear Log Data (Energy Saver + Stop + 1)
2. Clear Spool Area (Energy Saver + Stop + 6 or Stop + Start)
3. Format HDD (SD Card) (Energy Saver + Stop + 4)
4. Replace the SD Card

If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

117-322 SD Card Encrypt Fail**[Fault Name]**

SD Card Encrypt Fail

[Error Type]

System

[Fault Content]

SD Encryption Error is detected

[Detection Conditions]

When starting up, SD Encryption Error was detected by SysCheckSD.

[Corrective Actions]

Perform the following, starting from 1 (Reboot and check after each step. If the problem is fixed by a step, there is no need to perform the rest.)

1. Clear Log Data (Energy Saver + Stop + 1)
2. Clear Spool Area (Energy Saver + Stop + 6 or Stop + Start)
3. Format HDD (SD Card) (Energy Saver + Stop + 4)
4. Replace the SD Card

If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

117-323 SD Card File Access Fail

[Fault Name]

SD Card File Access Fail

[Error Type]

System

[Fault Content]

SD Card File System Access Error has occurred

[Detection Conditions]

When starting up, SD Card File System Access Error was detected by SysCheckSD.

[Corrective Actions]

Perform the following, starting from 1 (Reboot and check after each step. If the problem is fixed by a step, there is no need to perform the rest.)

1. Clear Log Data (Energy Saver + Stop + 1)
2. Clear Spool Area (Energy Saver + Stop + 6 or Stop + Start)
3. Format HDD (SD Card) (Energy Saver + Stop + 4)
4. Replace the SD Card

If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

117-324 SD Card Other Product Fail**[Fault Name]**

SD Card Other Product Fail

[Error Type]

System

[Fault Content]

An SD Card for another product is installed

[Detection Conditions]

When the OS is starting up, the system detected that the SD Card is meant for another product and an error is issued.

[Corrective Actions]

Check the parts number of the SD Card and install the correct SD Card.

117-325 Contract Manager RTC Hardware Fail**[Fault Name]**

Contract Manager RTC Hardware Fail

[Error Type]

System

[Fault Content]

Failed to obtain RTC timer value due to hardware problem in the contract function

[Detection Conditions]

When obtaining the RTC time value (Hardware Info) has failed (only when the device is starting up).

[Corrective Actions]

Turn the power OFF, make sure that the Control Panel has turned OFF, and then turn the power ON again. (If the problem reoccurs, contact the administrator/telephone center, etc.).

117-326 ESS NVRAM SW Access Fail**[Fault Name]**

ESS NVRAM SW Access Fail

[Error Type]

System

[Fault Content]

Software fault processing of NVRAM Area/Access

[Detection Conditions]

When accessing the NVRAM data during start up or operation, a software malfunction where the software parameters detected by the OSDD is mismatched, etc. occurs.

[Corrective Actions]

Obtain the Debug Log and request for an investigation from the Service Department under software malfunction.

117-327 ESS NVRAM (SD Card) HW Access Fail**[Fault Name]**

ESS NVRAM (SD Card) HW Access Fail

[Error Type]

System

[Fault Content]

Hardware fault processing of NVRAM Area/Access on the SD Card

[Detection Conditions]

When accessing using nv_memmove(), if an Error on the SD Card is detected or when 3 retry attempts using the SD Card Driver is still unable to end in recovery, the nv_memmove() will be in Assertion Fail (= state, Fail Code cannot be identified) and the access to the corresponding task is stopped. (Same as the existing NV Fail Detection)

[Corrective Actions]

If the problem reoccurs after turning the power OFF then ON, perform the following:

1. Perform SD Card Hardware Diag using Long Boot. If the Diag results in error, replace the SD Card.
2. Perform SD Card Hardware Diag using Long Boot. If no error can be detected, perform the NVRAM Area Initialization process.
3. Perform the NVRAM Area Initialization process. If the error clears, the repair is complete.
4. Perform the NVRAM Area Initialization process. If the error reoccurs, replace the SD Card.

117-328 Detect invalid combination of function for image log Fail**[Fault Name]**

Detect invalid combination of function for image log Fail

[Error Type]

System

[Fault Content]

A function setting that is incompatible with the Image Log is detected

[Detection Conditions]

When Delayed Print is set to a method which uses PDL storage and the Image Log function is set to enabled.

[Corrective Actions]

Change the following settings.

1. Change the image processing method for the data storage of Delayed Print.
2. Disable the Image Log function.

117-329 SD Card Not Found Fail**[Fault Name]**

SD Card Not Found Fail

[Error Type]

System

[Fault Content]

SD Card Not Detected Fail

[Detection Conditions]

When starting up, the SD Card was detected to be not connected by the OS or SysCheckSD.

[Corrective Actions]

Check whether there is any problem with the installation of the SD Card. If there is no problem with the installation, replace the SD Card.

117-330 XBDS Soft Fail**[Fault Name]**

XBDS Soft Fail

[Error Type]

System

[Fault Content]

XBDS-related Fatal Error

[Detection Conditions]

XBDS-related Fatal Error

A problem has occurred in the software processing and it is unable to continue with the subsequent processes.

[Corrective Actions]

Turn the power OFF and ON, perform the same operation and check whether the problem is reoccurring.

Check whether HTTP and HTTPS have started up normally and are operable.

As data is obtained via SNMP for the Alert section, it depends on whether the SNMP Agent has started up normally.

If the problem still persists, perform the following:

OF-03 NET/USB System Fail

117-331 Uninitialize used HDD**[Fault Name]**

Uninitialize used HDD

[Error Type]

System

[Fault Content]

Uninitialized and Used HDD Detection

[Detection Conditions]

An uninitialized HDD that was used for another device was recognized.

[Corrective Actions]

Initialize the HDD.

OF-02 HDD System Fail

117-332 Uninitialize used NVM**[Fault Name]**

Uninitialize used NVM

[Error Type]

System

[Fault Content]

Uninitialized and Used NVM Detection

[Detection Conditions]

An uninitialized NVM that was used for another device was recognized.

[Corrective Actions]

Initialize the NVM.

117-333 Uninitialize used SD**[Fault Name]**

Uninitialize used SD

[Error Type]

System

[Fault Content]

Uninitialized and Used SD Card Detection

[Detection Conditions]

An uninitialized SD Card that was used for another device was recognized.

[Corrective Actions]

Initialize the HDD and the SD Card.

117-334 BMLinkS Manager Soft Fail

[Fault Name]

BMLinkS Manager Soft Fail

[Error Type]

System

[Fault Content]

BMLinkS Manager Fatal Error

[Detection Conditions]

BMLinkS Manager Fatal Error

A problem has occurred in the software processing and it is unable to continue with the subsequent processes.

[Corrective Actions]

1. Turn the power OFF and ON, perform the same operation and check whether the problem is reoccurring.

2. Check if the Controller ROM is the latest version.

If it is not the latest, update it by following '2.6 Software Download'.

If the Controller ROM is already of the latest version, there is no need to download.

3. If the problem still persists, obtain the log and contact the support department for instructions.

2.5.1 Logging/Extraction Tool Function Explanation

If the problem still persists, perform the following:

OF-03 NET/USB System Fail

117-335 Invalid NVM of Convert Fail

[Fault Name]

Invalid NVM of Convert Fail

[Error Type]

System

[Fault Content]

Invalid NVM Detection (convert processing)

[Detection Conditions]

Detected at startup after the power is cut off during the NVM Map convert.

[Corrective Actions]

Initialize the NVM.

MF: Turn ON the power →NVM Clear while holding down the <Power Save> + <Stop> + <2> keys

P: Turn ON the power →NVM Clear while holding down the <OK> + <Up> + <Down> keys

117-336 PCI Option No Support Device Fail

[Fault Name]

PCI Option No Support Device Fail

[Error Type]

System

[Fault Content]

PCI Option No Support Device Fail

[Detection Conditions]

Unknown PCI Option is detected by the controller.

[Corrective Actions]

1. Check if PCI Option is supported.

2. Re-insert PCI Option.

3. Replace PCI Option.

If problem persists, replace ESS PWB.

117-337 PCIEX Option No Support Device Fail

[Fault Name]

PCIEX Option No Support Device Fail

[Error Type]

System

[Fault Content]

PCI EX Option No Support Device Fail

[Detection Conditions]

Unknown PCI Ex Option is detected by the controller.

[Corrective Actions]

1. Check if PCI Option is supported.

2. Re-insert PCI Option.

3. Replace PCI Option.

If problem persists, replace ESS PWB.

117-338 SD Card Connection Fail

[Fault Name]

SD Card Connection Fail

[Error Type]

System

[Fault Content]

SD Card Connection Fail

[Detection Conditions]

Fault in the connection with SD card is detected by the controller.

[Corrective Actions]

1. Re-insert SD card.

2. Replace SD card.

If problem persists, replace ESS PWB.

117-339 Nvm Backup is not carried out Fail

[Fault Name]

Nvm Backup is not carried out Fail

[Error Type]

System

[Fault Content]

The NVM was not backed up before replacing the Hard Disk

[Detection Conditions]

When the Hard Disk replacement is detected, it was also detected that the NVM had not been backed up beforehand.

[Corrective Actions]

Restore the previous Hard Disk, turn OFF the power again to check for proper operation, and then back up the NVM.

If the problem still persists, perform the following:

OF-01 Common System Fail

117-340 Other HDD Fail

[Fault Name]

Other HDD Fail

[Error Type]

System

[Fault Content]

A Hard Disk that was formatted by another machine was detected.

[Detection Conditions]

A Hard Disk that was formatted by another machine was detected.

[Corrective Actions]

Install the correct Hard Disk. Or, install an unformatted Hard Disk.

If the problem still persists, perform the following:

OF-01 Common System Fail

117-342 Storage device incorrect-exchanged Fault

[Fault Name]

Storage device incorrect-exchanged Fault

[Error Type]

System

[Fault Content]

A mixup of storage device was detected

[Detection Conditions]

An SSD is installed to a machine that had a HDD installed. A HDD is installed to a machine that had an SSD installed. Or, the type of storage device that is stored in the Seep has become an undefined value.

[Corrective Actions]

1. Turn OFF the power, make sure that the Control Panel has turned OFF, and then turn ON the power again.
2. Restore the previously installed storage device (HDD or SSD).

118-310 IPSEC Internal Fail

[Error Type]

Sys

[Fault Content]

IPSEC Internal Error

[Detection Conditions]

An internal error was detected during initialization of the IPSEC.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, contact the Support Department for instructions.

118-311 GCP Soft Fatal Error

[Fault Name]

GCP Soft Fatal Error

[Error Type]

System

[Fault Content]

GCP-related Fatal Error

[Detection Conditions]

GCP-related Fatal Error

Problem occurs at software processing, and processing is unable to proceed.

[Corrective Actions]

After power OFF, check the display on the control panel has disappeared, and power ON.

If the problem still persists, perform the following:

2.4 Investigation of NET-Type Problems

121-310 EPSV-Accessory Communication Fail

[Error Type]

System Fail

[Fault Content]

EPSV-Accessory Communication Fail

[Detection Conditions]

Transmission failed between the EP-SV and the accessories.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

1. Check the connection to the EP Accessory, pull out and insert the EPSV Board and replace the cable.

Check whether the Controller ROM is the latest version and upgrade it to the latest.

If the Controller ROM is the latest version, there is no need to download it.

2. If the problem persists, replace the EPSV-IF Board.
3. If the problem persists, replace the EP-SV.
4. If the problem persists, refer to EP Accessory manual to perform the corrective actions.

If the problem persists, perform the following procedure to repair it.

Perform the procedures after obtaining reports in OF-01 Common System Fail.

121-311 IC Card Auditron Passwd Fail

[Error Type]

System Fail

[Fault Content]

IC Card Auditron Config Fail 01

[Detection Conditions]

During power ON, this machine performs auto correction and reboots because of incorrect combination between the external authentication settings of this machine and the connected machine.

When the IC Card Gate is connected:

If all the following settings have been made, [IC Card Link Mode] is changed to [Enter Password].

- Set [Login Setup / Auditron Administration] > [Login Setup / Auditron Mode] to [Remote Access].
- Set [Login Setup / Auditron Administration] > [Login Setup / Auditron Mode] > [Remote Access] > [IC Card Link Mode] to [No Password Required].
- Select [System Settings] > [Network Settings] > [Remote Authentication Server/Directory Service] > [Authentication System] and set to Kerberos or SMB.

[Corrective Actions]

When the IC Card Gate is connected:

This system automatically sets [Login Setup / Auditron Administration] > [Login Setup / Auditron Mode] > [Remote Access] > [IC Card Link Mode] to [Enter Password]. If you do not want to use a password, make the appropriate settings.

121-312 IC Card Auditron Accessory Fail

[Error Type]

System Fail

[Fault Content]

IC Card Auditron Config Fail 02

[Detection Conditions]

During power ON, an error has occurred due to the following setting combinations that are not allowed.

- An EP-related product other than the IC Card Gate is connected (set). Or, the IC Card Gate are installed (set) together with other EP-related products.
- [Login Setup / Auditron Administration] > [Login Setup / Auditron Mode] is set as [Remote Access].

[Corrective Actions]

Take actions in the following order:

1. Without the EP-related products connected, start up the machine and set [Login Setup / Auditron Administration] > [Login Setup / Auditron Mode] to other than [Remote Access].
2. Install the IC Card Remote Authentication Kit option and set the IC Card Gate of EP-related product to single connection.

121-313 IC Card Auditron Software-key Fail

[Error Type]

System Fail

[Fault Content]

IC Card Auditron Config Fail 03

[Detection Conditions]

During power ON, an error has occurred due to the following setting combinations that are not allowed.

- The IC Card Remote Authentication Kit option is not installed.
- The IC Card Gate of EP-related product is connected singly (set).
- [Login Setup / Auditron Administration] > [Login Setup / Auditron Mode] is set as [Remote Access].

[Corrective Actions]

Take actions in the following order:

1. Without the EP-related products connected, start up the machine and set [Login Setup / Auditron Administration] > [Login Setup / Auditron Mode] to other than [Remote Access].
2. Install the IC Card Remote Authentication Kit option.

121-314 Customize User Prompts Fail

[Error Type]

system fail

[Fault Content]

Customize User Prompts Fail

[Detection Conditions]

When the machine was in Network Accounting Mode, ChainLink was Card Auditor Level 2 OR IC Card Auditor Level 2 and the panel specified Customize User Prompts="prompt 2 only" OR "none".

[Corrective Actions]

Change the system data (Chain-Link) so that the detection condition will not occur.
(E.g. To enable Card Auditor Level 2/IC Card Auditor Level 2 when the machine is in Network Accounting Mode, set Customize User Prompts to "both" or "prompt 1 only".)

121-315 EP crypt setting Fail.**[Fault Name]**

EP crypt setting Fail.

[Error Type]

System

[Fault Content]

EP-BB Encryption Communication Setting Value Fault

[Detection Conditions]

Other than 1 or 2 is set for CL=700-904.

[Corrective Actions]

Set the appropriate value for CL=700-904.
If problem persists, investigate the fault when System Fail/Sub System Fail/Service Fail occurs.

121-316 EP Accessory conflicts with SecureAccess**[Error Type]**

SysR

[Fault Content]

Prohibited Combination of EP Accessory Connection and Secure Access Authentication

[Detection Conditions]

The EP Accessory is connected and the authentication method is set to Secure Access.
Because Secure Access itself is an alternate method for IC Card authentication of EPA connection, there is no meaning to install both. Therefore, combination of the EP Accessory connection and the Secure Access authentication is prohibited.

[Corrective Actions]

1. Remove the EP Accessory connection.
2. Remove the EP Accessory connection temporarily, set the authentication method to an option other than Secure Access (either of: Authentication OFF, LOCAL Authentication or REMOTE Authentication), and then connect the EP Accessory again.

121-317 Continuous JOB setting mismatch of EPLyzer**[Error Type]**

Sys

[Fault Content]

Continuous Job setting mismatch of EPLyzer

[Detection Conditions]

When 850-020 is '0' and the Auditor Mode was changed from INTERNAL AUDITRON to an option other than INTERNAL AUDITRON.

[Corrective Actions]

Set the system data 850-020 to '0'.
Or, return the Auditor Mode to INTERNAL AUDITRON. (700-540=1)

121-318 Auth/Account Settings Is Not Supported**[Error Type]**

SysR

[Fault Content]

Auth/Account Settings Is Not Supported

[Detection Conditions]

When (1) or (2) in the following is met:

1. When 'Accessory Type' = ICCG only
The machine operates normally only when the following system data is set (AND).
Authentication=Remote, Accounting=OFF (Keep Log), Feature Service Pathway=Locked, Job Status Pathway=Locked, Machine Status Pathway=Locked, Password for ICCG External Authentication Link=OFF, and Authentication System=AWAA
In addition, when Authentication != Remote, it becomes system failure.
Therefore, cases other than the above forms the detection condition.
2. When 'Accessory Type' = There are connections other than ICCG
The following cases are the detection conditions:
Authentication=OFF, Accounting=XSA or OFF (Keep Log)
Authentication=Local, Accounting=OFF or XSA or OFF (Keep Log)
(When Authentication=Remote or CA, it becomes system failure)

[Corrective Actions]

(None applicable because it is automatic reboot)

121-319 Fax Send Charging and Internet FAX Setting Confliction**[Error Type]**

System Fail

[Fault Content]

Fax Send Charging and Internet FAX Setting Conflict

[Detection Conditions]

When the device is starting up, it was detected that the Internet FAX Kit function was already activated when the Fax send billing function was enabled.

[Corrective Actions]

Disable the Fax send billing function or the Internet FAX Kit functions, and then restart the device.

121-320 EP-SV Setting information conflict fail.

[Error Type]

System Fail

[Fault Content]

EP-SV - Double installation contract error with Web-based EP.

[Detection Conditions]

It was detected that the EP cont has doubled installation contracts for the EP-SV and the Web-based EP.

[Corrective Actions]

There are double contracts for the EP-SV and the Web-based EP.

Change the C/L to disable either one of the installation contracts and set correct contract settings.

121-321 EP-DX Setting information conflict fail.

[Error Type]

System Fail

[Fault Content]

EP-DX - Double installation contract error with Web-based EP.

[Detection Conditions]

It was detected that the EP cont has doubled installation contracts for the EP-DX and the Web-based EP.

[Corrective Actions]

There are double contracts for the EP-DX and the Web-based EP.

Change the C/L to disable either one of the installation contracts and set correct contract settings.

121-322 Controller Price Table Error

[Error Type]

System Fail

[Fault Content]

EPA - Controller unit price table settings error

[Detection Conditions]

When the Fax send billing function is turned ON (850-021=1), the following was detected at power ON or at recovery from Power Save.

1. The standard image quality unit price (850-022) or the high image quality unit price (850-023) in the unit price table for Fax send billing was set to '0'.

2. The accumulated value from the Maximum Stored Number of Sheets (840-003: 999 by default) and the standard image quality unit price (850-022) or the high image quality unit price (850-023) in the unit table was set to a value larger than the maximum price (15.120 yen) that can be inserted for Coin Kit 8.
3. The standard image quality unit price (850-022) is larger than the high image quality unit price (850-023).
4. With a new type of subtraction system (M/C Unit-Price Table system) ON (850-027=1), an available unit price (855-xxx) is set to a value out of the range of 1 to 9999999. (As to DMP2009 or later, switch to another Fault (21-213).)

[Corrective Actions]

Detection Condition (1): When the Fax send billing function is not used, set 850-021 to '0' (function OFF).

When using the Fax send billing function, set both the standard image quality unit price (850-022) and the high image quality unit price (850-023) to a value other than '0', and then turn the power OFF then ON.

Detection Condition (2): When the Fax send billing function is not used, set 850-021 to '0' (function OFF).

When using the Fax send billing function, correct the Maximum Stored Number of Sheets and unit prices, and then turn the power OFF then ON.

Detection Condition (3): Set the standard image quality unit price (850-022) to a value that is equal to or less than the high image quality unit price (850-023), and then turn the power OFF then ON.

Detection Condition (4):

(As to DMP2009 or later, switch to another Fault (21-213).)

- In order not to use the new type of subtraction system (M/C Unit Price Table system), set the value in NVM(850-027) to 0 (The function OFF).
- To use the new type of subtraction system (M/C Unit-Price Table system), set every available unit price (855-xxx) to a value between 1 and 9999999. Power OFF then ON.

If the problem persists, perform the following:

Go to OF-01 Common System Fail. Perform step (5) to collect reports and the subsequent steps.

121-323 Web EP Software Fail

[Error Type]

System Fail

[Fault Content]

Fatal error related to Web EP.

[Detection Conditions]

Fatal error related to Web EP.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem still persists, obtain the info9 or xxx.tgz log and network log immediately after the problem has occurred and contact the support department for instructions.

2.5.1 Log collection/extraction tool function explanation

121-324 Fax Send Charging And Scan Setting Confliction**[Error Type]**

system

[Fault Content]

Fax Send Charging and Scan Setting Confliction.

[Detection Conditions]

While device is on, it is detected that with FAX Send Charging enabled, Blank Document Detection is enabled or Blank Document Detection Display (display on KO screen) is enabled.

[Corrective Actions]

Set 850-021 to 0 (disable FAX Send Charging), or
set 820-123 to 0 and 790-670 to 0 and restart the device.

121-333 EPSV-EP M/C Communication Fail**[Error Type]**

System Fail

[Fault Content]

EPSV-EP M/C Communication Fail

[Detection Conditions]

1. The power was turned ON, with the Power Saver key, the Start key and the numeric key [0] pressed down.

If this condition does not apply to your case, check what value is set in [850-014: Accessory Connection Monitoring Timer Value] and go to one of the following.

2. 850-014 = 0

For one of the reasons given under (4), this error is detected. See (4) Others.

3. 850-014 = 1-9

A certain time (1-9 min) preset in [850-014] after this machine was turned on and reported the Wake Up command to the accessory, the machine did not receive any response from the accessory.

850-014 = 1-9: This error will occur a certain minute(s) [1-9 min] after the UI panel displays [Please wait].

4. Others

When turned on, this machine asked for a response to the [Does the accessory exist?] signal and detected [The accessory does not exist].

Or

A lapse of 10 sec after the accessory reported ACK to this machine, the accessory did not report Wake Up Answer to this machine.

Or

This machine received three consecutive NAKs.

When the problem occurs for one of these reasons under [Others], this error will occur [within 30 sec] after the UI panel displays [Please wait].

[Corrective Actions]

1. Turn ON the power without pressing down the Power Saver key, the Start key, and the numeric key [0].

If this condition does not apply to your case, check what value is set in [850-014: Accessory Connection Monitoring Timer Value] and go to one of the following.

2. 850-014 = 0 This error is thought to be detected for one of the reasons under (4) Others.

- Take the appropriate actions given under (4) Others.

3. 850-014 = 1-9

Set 850-014 to a larger value than the current one and operate again.

- If 9 causes the problem to reoccur, set 850-014 to 0.

- If 0 causes the problem to reoccur, take the appropriate actions given under (4) Others.

4. Others

Check that the accessory is ON.

Check if the cable is connected between EP-SV and ESS.

If the cable is properly connected, turn OFF then ON this machine. If the problem persists, perform the following:

- 4-1. Check if Controller ROM is the latest version. If not, upgrade it to the latest version.

If so, you do not need to download the latest version of it.

- 4-2. Reinstall the EPSV-IF board.

- 4-3. Replace the EPSV-IF board.

- 4-4. Replace EP-SV.

- If you intentionally removed EP-SV or EP Accessory, set 850-001 to 0 in DC131. (Set it to EP Accessory Connected.)

- 4-5. If the problem persists, go to the following and resolve it.

- If you intentionally removed EP-SV or EP Accessory, set 850-001 to 0 in DC131. (Set it to EP Accessory Connected.)

- OF-01 Common System Fail: Perform the step for collecting reports and subsequent steps.

121-334 EPSV Login Fail**[Error Type]**

System Fail

[Fault Content]

EPSV Login Fail

[Detection Conditions]

Verification of the login information in WAKE UP ANSWER resulted in an error.

[Corrective Actions]

Check connection of the cable between the EP-SV and the ESS.

If they are connected correctly, turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

1. Check whether the Controller ROM is the latest version and upgrade it to the latest.

If the Controller ROM is the latest version, there is no need to download it.

2. Reinstall or replace the EPSV-IF Board.

3. Replace the EP-SV.

If the problem persists, perform the following procedure to repair it.

Perform the procedures after obtaining reports in OF-01 Common System Fail.

121-335 EPSV Wake Up Answer Fail

[Error Type]

System Fail

[Fault Content]

EPSV Wake Up Answer Fail

[Detection Conditions]

The WAKE UP ANSWER cannot be received.

[Corrective Actions]

Check connection of the cable between the EP-SV and the ESS.

If they are connected correctly, turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

1. Check whether the Controller ROM is the latest version and upgrade it to the latest.
If the Controller ROM is the latest version, there is no need to download it.
2. Reinstall or replace the EPSV-IF Board.
3. Replace the EP-SV.

If the problem persists, perform the following procedure to repair it.

Perform the procedures after obtaining reports in OF-01 Common System Fail.

121-336 Unknown EP Accessory

[Error Type]

System Fail

[Fault Content]

EP-SV - Accessories type unknown.

[Detection Conditions]

The EP related accessory type was unknown in WAKE UP ANSWER.

[Corrective Actions]

Check connection of the cable between the EP-SV and the ESS.

If they are connected correctly, turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

1. Check whether or not the Controller ROM is the latest version and upgrade it to the latest.
If the Controller ROM is the latest version, there is no need to download it.
2. Reinstall or replace the EPSV-IF Board.
3. Replace the EP-SV.
4. If the problem persists, refer to EP Accessory manual to perform the corrective actions.

If the problem persists, perform the following procedure to repair it.

Perform the procedures after obtaining reports in OF-01 Common System Fail.

121-337 EP Accessory Self Diag Fail

[Error Type]

System Fail

[Fault Content]

EP-SV - Accessories self-diagnostic result error.

[Detection Conditions]

Self-diagnostic of the EP related accessories in WAKE UP ANSWER resulted in an error.

[Corrective Actions]

Check connection of the cable between the EP-SV and the ESS.

If they are connected correctly, turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

1. Check whether the Controller ROM is the latest version and upgrade it to the latest.
If the Controller ROM is the latest version, there is no need to download it.
2. Reinstall or replace the EPSV-IF Board.
3. Replace the EP-SV.
4. If the problem persists, refer to EP Accessory manual to perform the corrective actions.

If the problem persists, perform the following procedure to repair it.

Perform the procedures after obtaining reports in OF-01 Common System Fail.

121-338 EPSV Answer Time Out

[Error Type]

System Fail

[Fault Content]

EPSV - Answer Timeout

[Detection Conditions]

Answers other than WAKE UP ANSWER from the EP-SV cannot be received.

[Corrective Actions]

Check connection of the cable between the EP-SV and the ESS.

If they are connected correctly, turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

1. Check whether the Controller ROM is the latest version and upgrade it to the latest.
If the Controller ROM is the latest version, there is no need to download it.
2. Reinstall or replace the EPSV-IF Board.
3. Replace the EP-SV.

If the problem persists, perform the following procedure to repair it.

Perform the procedures after obtaining reports in OF-01 Common System Fail.

121-339 Price Table Error

[Error Type]

System Fail

[Fault Content]

EPA - Unit price table error

[Detection Conditions]

Detection Condition (1): When the M/C is running, a notification is issued from the Coin Kit indicating that the price data in the Coin Kit has been changed.

Detection Condition (2): When the M/C is booting or returning from Power Save, a notification is issued from the Coin Kit indicating a unit price error. (The unit price table in the Coin Kit contains unset unit price(s))

[Corrective Actions]

Detection Condition (1): Turn the power OFF then ON.

Detection Condition (2): Correct the unit price settings in the Coin Kit, and then turn the power OFF then ON.

If the problem persists, perform the following procedure:

OF-01 Perform the procedures after (5) obtaining reports in Common System Fail.

121-340 EP Accessory Miss Match**[Error Type]**

System Fail

[Fault Content]

EP-SV - Accessories Form Mismatch

[Detection Conditions]

The combination of accessories that are installed does not match the specifications.

[Corrective Actions]

Checks whether they are installed correctly against the specifications.

If they are installed correctly, turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

1. Check whether the Controller ROM is the latest version and upgrade it to the latest.
If the Controller ROM is the latest version, there is no need to download it.
2. Reinstall or replace the EPSV-IF Board.

If the problem persists, perform the following procedure to repair it.

Perform the procedures after obtaining reports in OF-01 Common System Fail.

121-350 EPSV Logic Fail**[Error Type]**

System Fail

[Fault Content]

EP-SV - Unexpected Error

[Detection Conditions]

A problem has occurred during the software process and the process is unable to continue.

When the following error is detected, sometimes it may also cause 121-350 to occur.

1. A system data settings value conflict was detected.

2. A hardware failure was detected.
3. A unit cost data error was detected.
4. The connected accessory cannot be recognized.
5. The combination of accessories is incorrect.

And other conditions similar to when any of the following Fault Code has occurred.

121-310: EPSV-Accessory Communication Fail

121-311: Smart Card Auditor Config Fail 01

121-312: Smart Card Auditor Config Fail 02

121-313: Smart Card Auditor Config Fail 03

121-314: Customize User Prompts Fail

121-315: Continuous JOB setting mismatch of EPLYzer

121-316: Prohibited Combination of EP Accessory Connection and Secure Access Authentication

121-318: Auth/Account Settings Is Not Supported

121-319: Fax Send Charging and Internet Fax Setting Confliction

121-322: EPA - Controller Unit Price Table Settings Error

121-333: EPSV - EP MC Communication Fail

121-334: EPSV Login Fail

121-335: EPSV Wake Up Answer Fail

121-336: EPSV - Unknown Accessory Type

121-337: EPSV - Accessory Self-Diagnostic Result Error

121-338: EPSV - Answer Wait Timeout

121-339: EPA - Coin Kit Unit Price Table Settings Error

121-340: EPSV - Accessory Form Mismatch

021-360: EP Accessory Fail

021-361: EP Accessory - Accessory Type Settings Error

[Corrective Actions]

Turn the power OFF and ON and if the problem persists, perform the following. Reboot the machine a few times and check whether any of the Faults in the above list occurs. If any has, take the CE action for each respective Fault.

1. Check whether the Controller ROM is the latest version and upgrade it to the latest.
If the Controller ROM is already of the latest version, there is no need to download.
2. Reinstall or replace the EPSV-IF PWB.
3. Replace the EP-SV.
4. If the Fault still remains,

-Check the settings value of the Accessory and the System Data.

-Obtain the system log of the Controller.

-Check the connection of the cables.

-Check the unit price setting of the Coin Kit.

Check the CE Action according to the occurrence of the Faults in the above list.

If the problem still persists, perform the following:

Perform the procedures after obtaining reports in OF-01 Common System Fail.

121-370 EP-DX - unexpected error

[Error Type]

System Fail

[Fault Content]

EP-DX - Unexpected Error

[Detection Conditions]

Pflite Function Error

Library Function Error

Undefined Message/Undefined Parameter Received, etc.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

1. Check whether the Controller ROM is the latest version and upgrade it to the latest.

If the Controller ROM is the latest version, there is no need to download it.

2. Check the connections of the FAX USB cable.

If the problem persists, perform the following procedure to repair it.

Perform the procedures after obtaining reports in OF-01 Common System Fail.

123-207 Comm Manager Target Fail (UI-Panel)

[Error Type]

System Fail

[Fault Content]

COMM. Manager Target Error

Incorrect mailbox value on the cm_send_msg statement, or the target is not SYS when receiving from SIO.

[Detection Conditions]

Serial Transmission Failure

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-209 EVM Returns Wrong Value (UI-Panel)

[Error Type]

System Fail

[Fault Content]

(UI-Panel) Return Value Error from EVM

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-310 Send Queue Full (UI-Panel)

[Error Type]

System Fail

[Fault Content]

(UI-Panel) Send Queue Full

[Detection Conditions]

The data sent from the Panel to the Controller exceeded the upper limit for the processing capability.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-311 Receive Queue Full (UI-Panel)

[Error Type]

System Fail

[Fault Content]

(UI-Panel) Receive Queue Full

[Detection Conditions]

The data received from the Controller exceeded the upper limit for the processing capability in the Panel.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-312 Diag mode change Fail (Punch unit type set)

[Error Type]

System Fail

[Fault Content]

SB-Fin Punch Unit Initial Installation NG After Diag Mode

[Detection Conditions]

The data received from the Controller has exceeded the upper limit of the processing capability in the Panel.

[Corrective Actions]

Turn the power OFF and ON.

If the problem persists, perform the following procedure:

OF-04 Panel System Fail

123-317 Receive Message Queue Full (UI-Panel)

[Error Type]

System Fail

[Fault Content]

(UI-Panel) Receive Message Queue Full

[Detection Conditions]

The data received from the Controller exceeded the upper limit for the processing capability in the Panel.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-318 Receive Finish Queue Full (UI-Panel)

[Error Type]

System Fail

[Fault Content]

(UI-Panel) Receive Completion Queue Full

[Detection Conditions]

The data received from the Controller exceeded the upper limit for the processing capability in the Panel.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-320 NVM initialized for FCW composition.**[Error Type]**

System Fail

[Fault Content]

Automatic recovery has occurred (FCW/HB) because incorrect value was detected in the system data area that has no compatibility among the different type of UI panels

[Detection Conditions]

When the M/C was started or booted, it was detected that a value, which is out of the guaranteed range for the currently installed panel, is set in the system data area that has no compatibility among the different type of UI panels (HB/FCW/MCW).

This error does not occur during the usual physical UI panel type replacement.

If for some reason the incorrect data got stored, the machine performs reboot and automatic recovery using the same system as when the panel is physically replaced.

[Corrective Actions]

Even when this error code is displayed, the machine can still be used normally after pressing [Close].

However, set necessary mechanical settings before using it because the Controller NVM has been initialized into the FCW/MCW panel configuration.

123-322 Target Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Target Error

[Detection Conditions]

Serial Transmission Failure

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-323 Address Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Address Error

[Detection Conditions]

Serial Transmission Failure

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-325 Object Creation Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Object Cannot Be Created (HB/FCW)

[Detection Conditions]

The specified UI internal object could not be created due to any setting/specification error. UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-326 Memory Overflow (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Memory Overflow

The memory in the GUAM exceeded the upper limit.

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-327 Button Overflow (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Button Overflow

The memory for the (synchronous display) button in the GUAM exceeded the upper limit.

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-328 UI Internal Fail with Out of Area**[Error Type]**

System Fail

[Fault Content]

UI Internal I/F Failure
A coordinate value out of the range of the display screen was detected (WxH = 640x240).

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-329 UI Internal Fail with Invalid Coordinates**[Error Type]**

System Fail

[Fault Content]

UI Internal I/F Failure
The coordination value that cannot be displayed was detected (X = 4 times numeric position).

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-332 I/F Fail (Invalid Parameter CP)**[Error Type]**

SysR

[Fault Content]

Interface Failure
Incorrect parameter was detected at the Drv. I/F between the DM and CP.

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF and ON.
If the problem persists, perform the following procedure:
OF-04 Panel System Fail

123-333 I/F Fail (Impossible Communication)**[Error Type]**

System Fail

[Fault Content]

Interface Failure
Impossible transmission with the Control Panel was detected.

[Detection Conditions]

The H/W connection in the Panel is faulty or the internal connection could not be correctly detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-337 Frame Data Error with Invalid Data Type**[Error Type]**

System Fail

[Fault Content]

Invalid frame data was detected.
The incorrect value of the Data Type detected by Frame ID was detected.

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-341 Event Queue Full (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Event Queue Full (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-342 Event Queue Empty (UI-Panel)

[Error Type]

System Fail

[Fault Content]

Event Queue Empty (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-343 Invalid Class (UI-Panel)

[Error Type]

System Fail

[Fault Content]

Incorrect Class (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-344 Invalid Type (UI-Panel)

[Error Type]

System Fail

[Fault Content]

Incorrect Type (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-345 Timer Queue Full (UI-Panel)

[Error Type]

System Fail

[Fault Content]

Timer Queue Full (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-346 Invalid Timer Number (UI-Panel)

[Error Type]

System Fail

[Fault Content]

Incorrect Timer Number (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-350 One Touch Key Fail (MCW)

[Error Type]

SysR

[Fault Content]

MCW-Panel One-Touch Key Fail (the number of the detected One-Touch Keys does not match)

[Detection Conditions]

When checking the number of the one-touch keys in the MCW-Panel (Control Panel Driver SW) during the initialization process at power ON, it was detected that there is a H/W Mismatch (multiple key count detection results do not match) .

[Corrective Actions]

Turn the power OFF then ON, and then replace the One-Touch Key Module of the MCW-Panel.

If the problem persists, perform the following procedure:

OF-04 Panel System Fail

123-352 Sys EEPROM Read Error(UI-Panel)

[Error Type]

sysR

[Fault Content]

Sys EEPROM Read Error (UI-Panel)

[Detection Conditions]

An error internal to the con-panel (an abnormal value in EEPROM for Sys) has been detected.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:
OF-04 Panel System Fail

123-353 UI Cable Connect Error(UI-Panel)**[Error Type]**

sysR

[Fault Content]

UI Cable Connection Error (UI-Panel)

[Detection Conditions]

The Control Panel has detected that the UI Cable is disconnected.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:
OF-04 Panel System Fail

123-354 Decrease in 24V Error(UI-Panel)**[Error Type]**

sysR

[Fault Content]

24V Power Drop Detected error (UI-Panel)

[Detection Conditions]

The Control Panel has detected a drop in 24V power voltage.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:
OF-04 Panel System Fail

123-355 Decreases in 5V Error(UI-Panel)**[Error Type]**

sysR

[Fault Content]

5V Power Drop Detected error (UI-Panel)

[Detection Conditions]

The Control Panel has detected a drop in 5V power voltage.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:
OF-04 Panel System Fail

123-356 FAX OTK Cable Connect Error(UI-Panel)**[Error Type]**

sysR

[Fault Content]

FAX OTK Cable Connection Error (UI-Panel)

[Detection Conditions]

The Control Panel has detected that FFC is disconnected from One Touch Key for FAX or that One Touch Key has a problem.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:
OF-04 Panel System Fail

123-357 Sys EEPROM Write Error(UI-Panel)**[Error Type]**

sysR

[Fault Content]

Sys EEPROM Write Error (UI-Panel)

[Detection Conditions]

The Control Panel has detected that writing in the EEPROM there failed.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:
OF-04 Panel System Fail

123-358 Log EEPROM Write Error(UI-Panel)**[Error Type]**

sysR

[Fault Content]

Log EEPROM Write Error (UI-Panel)

[Detection Conditions]

The Control Panel has detected that writing in the EEPROM there for logging failed.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:
OF-04 Panel System Fail

123-362 No Object (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

No Object (FCW)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-368 Short of UI Memory (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Insufficient Memory (FCW)

[Detection Conditions]

There is insufficient memory or the connection failed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-369 Invalid Interface Value (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Incorrect Interface Value (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-370 Interface Length Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Interface Length Failure (UI-Panel)

[Detection Conditions]

The parameter sent from the Controller was incorrect.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-371 Interface Parameter Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Interface Parameter Failure (UI-Panel)

[Detection Conditions]

The parameter sent from the Controller was incorrect.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-372 Interface Sequence Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Interface Sequence Failure (UI-Panel)

[Detection Conditions]

The initialization command from the Controller was not sent within the specified time.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-373 Channel Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Channel Failure (UI-Panel)

[Detection Conditions]

The channel sent from the Controller was incorrect.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-374 Invalid User Job ID (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Incorrect User Job ID (UI-Panel)

[Detection Conditions]

The Job ID parameter sent from the Controller was incorrect.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-375 Internal Resource Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Internal Resource Failure (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-376 Internal Memory Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Internal Memory Failure (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-377 UI Timer Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Timer Failure (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-378 Interface Format Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Interface Format Failure (UI-Panel)

[Detection Conditions]

The data format sent from the Controller was incorrect.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-379 Dispatch Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Dispatch Failure (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-380 Copy Interface Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Copy Interface Failure (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-381 Fax Interface Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Fax Interface Failure (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-382 Scanner Interface Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Scanner Interface Failure (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-383 Report Interface Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Report Interface Failure (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-384 Server Access Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Server Access Failure (HB/FCW)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-385 Service Object Overflow (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Service Object Overflow (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-386 Invalid Service Object (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Incorrect Service Object (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-387 Invalid Service Object Attribute (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Incorrect Service Object Attribute (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-388 Attribute Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Attribute Error (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-389 Argument Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Argument Failure (HB/FCW)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-390 Job Parameter Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Job Parameter Argument Error (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-391 Job Actual Parameter Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Job Execution Argument Error (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-392 Auditron Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Incorrect Auditron (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-393 EP Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

EP Failure (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-394 File Access Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Incorrect File Access (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-04 Panel System Fail

123-395 NVM Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

NVM Failure (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-396 FF Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

FF Error (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-397 MGR Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

MGR Error (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-398 Delay Release Queue Full (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Delay Release Queue Full (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-399 Internal Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Internal Error (UI-Panel)

[Detection Conditions]

UI-SW failure in the ESS PWB.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

123-400 JRM I/F Internal Fail (UI-Panel)**[Error Type]**

System Fail

[Fault Content]

Due to a fatal error in the JRM IF Converter, subsequent processing cannot be performed.

[Detection Conditions]

There was insufficient area, an internal error or invalid IF Sequencing (or parameter) entered into the Converter.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-04 Panel System Fail

124-310 DC132 11

[Error Type]

System Fail

[Fault Content]

Stored Data Mismatch

[Detection Conditions]

Product No. not specified.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
Replace the MCU PWB and the ESS PWB.

124-311 DC132 09

[Error Type]

System Fail

[Fault Content]

Stored Data Mismatch

[Detection Conditions]

Serial No. not specified.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
Replace the MCU PWB and the ESS PWB.

124-312 DC132 12

[Error Type]

System Fail

[Fault Content]

Stored Data Mismatch

[Detection Conditions]

The product No. did not match.

Procedure

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
Execute dC132[Billing Data Matching & Serial No Setting].
Compare the 3 product No. **All 3 numbers are different.**

Y N

Execute dC132[Billing Data Matching & Serial No Setting]. Make the 3 values match.

Replace the MCU PWB and the ESS PWB.

124-313 DC132 10

[Error Type]

System Fail

[Fault Content]

Stored Data Mismatch

[Detection Conditions]

The serial numbers do not match.

Procedure

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
Execute dC132[Billing Data Matching & Serial No Setting].
Compare the 3 Serial No. **All 3 numbers are different.**

Y N

Execute dC132[Billing Data Matching & Serial No Setting]. Make the 3 values match.

Replace the MCU PWB and the ESS PWB.

124-314 DC132 01

[Error Type]

System Fail

[Fault Content]

Stored Data Mismatch

[Detection Conditions]

Internal control error was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
Replace the MCU PWB and the ESS PWB.

124-315 DC132 02

[Error Type]

System Fail

[Fault Content]

Stored Data Mismatch

[Detection Conditions]

Internal control error was detected.

Procedure

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
Execute dC131[NVM Read/Write].
Compare the following values.

- dC131[700-600]
- dC131[700-601]
- dC131[700-602]

Compare the 3 numbers. **All 3 numbers are different.**

Y N
Execute dC132[Billing Data Matching & Serial No Setting]. Make the 3 values match.

Replace the MCU PWB and the ESS PWB.

124-316 DC132 03

[Error Type]

System Fail

[Fault Content]

Stored Data Mismatch

[Detection Conditions]

Internal control error was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
Replace the MCU PWB and the ESS PWB.

124-317 DC132 04

[Error Type]

System Fail

[Fault Content]

Stored Data Mismatch

[Detection Conditions]

Internal control error was detected.

Procedure

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
Execute dC131[NVM Read/Write].
Compare the following values.

- dC131[700-600]
- dC131[700-601]
- dC131[700-602]

Compare the 3 numbers. **All 3 numbers are different.**

Y N
Execute dC132[Billing Data Matching & Serial No Setting]. Make the 3 values match.

Replace the MCU PWB and the ESS PWB.

124-318 DC132 07

[Error Type]

System Fail

[Fault Content]

Stored Data Mismatch

[Detection Conditions]

Internal control error was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
Replace the MCU PWB and the ESS PWB.

124-319 DC132 08

[Error Type]

System Fail

[Fault Content]

Stored Data Mismatch

[Detection Conditions]

Internal control error was detected.

Procedure

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
Execute dC131[NVM Read/Write].
Compare the following values.

- dC131[700-606]
- dC131[700-607]
- dC131[700-608]

Compare the 3 numbers. **All 3 numbers are different.**

Y N
Execute dC132[Billing Data Matching & Serial No Setting]. Make the 3 values match.

Replace the MCU PWB and the ESS PWB.

124-320 SEEPROM Fail

[Error Type]

System Fail

[Fault Content]

SEEPROM Fail

[Detection Conditions]

Write error occurred in the SEEPROM on the ESS Board.

[Corrective Actions]

Pull out and insert SEEPROM, or replace the ESS PWB.

If the system is not restored after the ESS PWB has been replaced, install back the original ESS PWB and contact Support G.

Obtain the logs that have been recorded in 2.5.2 Logging/Extraction Tool Operational Instructions and contact Support G.

124-321 Backup SRAM Fail

[Error Type]

System Fail

[Fault Content]

Backup SRAM Fail

[Detection Conditions]

Write error occurred in the NVM on the ESS Board.

[Corrective Actions]

1. If the Fax Card is installed, reinstall it.
2. Pull out and insert NVM Board or replace it.
3. Replace the ESS PWB.

If the system is not restored after the ESS PWB has been replaced, install back the original ESS PWB and contact Support G.

Obtain the logs that have been recorded in 2.5.2 Logging/Extraction Tool Operational Instructions and contact Support G.

124-322 DC132 05

[Error Type]

System Fail

[Fault Content]

Stored Data Mismatch

[Detection Conditions]

Internal control error was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
Replace the MCU PWB and the ESS PWB.

124-323 DC132 06

[Error Type]

System Fail

[Fault Content]

Stored Data Mismatch

[Detection Conditions]

Internal control error was detected.

Procedure

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

Execute dC131[NVM Read/Write].

Compare the following values.

- dC131[700-603]
- dC131[700-604]
- dC131[700-605]

Compare the 3 numbers. **All 3 numbers are different.**

Y N

Replace the PWB whose values do not match.

Replace the MCU PWB and the ESS PWB.

124-324 All Billings Mismatch

[Error Type]

System Fail

[Fault Content]

All Billing Counter Mismatch

[Detection Conditions]

The billing counters in multiple locations are all different.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
Replace the MCU PWB and the ESS PWB.

124-325 Billing Restoration Fail

[Error Type]

System Fail

[Fault Content]

Billing Counter Mismatch (1 position)

[Detection Conditions]

When one of the Billing counters mismatches with the others, the counter cannot be repaired.

Procedure

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

Execute dC132[Billing Data Matching & Serial No Setting].

Compare the 3 Serial No. **All 3 numbers are different.**

Y N

Replace the PWB whose values do not match.

Replace the MCU PWB and the ESS PWB.

124-326 IOT Speed Not Registered

[Error Type]

system fail

[Fault Content]

IOT Speed not registered.

[Detection Conditions]

It was detected that at boot, IOT Speed registration procedure status was 1 or 2.

[Corrective Actions]

This Fail triggers the procedure for changing IOT Speed. Accordingly the user needs to follow the dialog displayed on the UI in order to enter the SW Key for changing IOT Speed.

124-327 IOT Speed Change SW Fail

[Error Type]

system fail

[Fault Content]

A SW error was detected during the procedure for changing IOT Speed.

[Detection Conditions]

A SW error was detected during the procedure for changing IOT Speed.

1. a failure to shift to Diag Mode
2. a failure in DC132
3. a failure to read from/write in SEEP ROM
4. a failure to reboot

[Corrective Actions]

Turn OFF then ON the power. If the problem persists, perform the following:

1. Replace IOT.
2. Replace the Controller board.

124-328 Punch Unit User Initial SetUp

[Error Type]

System Fail

[Fault Content]

Punch Unit User Initial Installation Screen Displayed

[Detection Conditions]

The notification from the Finisher indicates that the Punch Unit was detected but the punch hole configuration is unknown.

[Corrective Actions]

Select the Punch Unit according to the instruction on the screen.

124-331 ESS ROM DIMM #1 Not Found

[Error Type]

System

[Fault Content]

Forgotten to install the ESS ROM DIMM #1 (Standard ROM) (deleted because unable to display)

[Detection Conditions]

The system detected that the ESS ROM DIMM #1 was not installed (deleted because unable to display)

[Corrective Actions]

Turn the power OFF and ON.

If the problem persists, perform the following:

Pull out and insert the Prt-Kit or the ROM DIMM #1 (Standard ROM). Or, replace it.

124-332 contract data mismatch

[Error Type]

System Fail

[Fault Content]

Contract data mismatch.

[Detection Conditions]

Case where the contract data on IOT side and Controller side mismatches.

[Corrective Actions]

Match the contract data on IOT and Controller.

124-333 ASIC Fail (Panther)

[Error Type]

System Fail

[Fault Content]

Panther Error

[Detection Conditions]

An error was detected in the Panther.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure.

1. Reinstall or replace the RAM DIMM.

If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

124-334 Standard Font ROM Error

[Error Type]

System Fail

[Fault Content]

Standard FontROM Error

[Detection Conditions]

An error was detected in the standard Built-In Font ROM.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

124-335 Font ROM Not Found

[Error Type]

System Fail

[Fault Content]

FONT ROM
NOT FOUND

[Detection Conditions]

The installation of the Font ROM was not detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure.

1. Pull out and insert or replace the Font ROM.
2. If the problem persists, refer to the following procedure to repair it.
OF-01 Common System Fail

124-337 ESS Standard RAM Error**[Error Type]**

System Fail

[Fault Content]

ESS Standard RAM (Standard ROM) Error

[Detection Conditions]

An error was detected in the ESS Built-In Standard RAM.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure.

1. Reinstall or replace all the RAM DIMM.
2. If the problem persists, refer to the following procedure to repair it.
OF-01 Common System Fail

124-338 Same Font ROMs Found**[Error Type]**

System Fail

[Fault Content]

Install the same Font ROM.

[Detection Conditions]

The system detected that a duplicate Font ROM was installed.

[Corrective Actions]

1. Pull out and insert the Prt-Kit or the ROM DIMM #3. Replace it.

124-339 ROM DIMM of Another Product Found**[Error Type]**

System Fail

[Fault Content]

Error due to installation of ROM DIMM for other models.

[Detection Conditions]

The system detected that the ROM DIMM for another model was installed.

[Corrective Actions]

Check the ROM DIMM and install the appropriate ROM DIMM.
If the problem persists, contact Support G.

124-340 CRUM Market fail ALL**[Error Type]**

System Fail

[Fault Content]

All three CRUM destinations are not set (0 or different values are set).

[Detection Conditions]

The CRUM destinations stored in three positions match but their values are not set (0).

[Corrective Actions]

Replace the machine, or replace the MCU Board.

124-341 CRUM Market fail MCU**[Error Type]**

System Fail

[Fault Content]

One of CRUM destinations is different from the others (IOT).

[Detection Conditions]

One of the CRUM destinations stored in three positions does not match (Data stored in the MCU Board does not match).

[Corrective Actions]

(Software available for DC132)

Enter DC132. Master SYS1 to resolve the problem. If the problem persists, replace the MCU PWB.

(Software unavailable for DC 132)

Replace the MCU PWB.

124-342 CRUM Market fail SYS 1**[Error Type]**

System Fail

[Fault Content]

One of CRUM destinations is different from the others (SYS 1).

[Detection Conditions]

One of the CRUM destinations stored in three positions does not match (Data stored in the Controller Board does not match).

[Corrective Actions]

(Software available for DC132)

Enter DC132. Master the MCU to resolve the problem. If the problem persists, replace the Cont PWB.

(Software unavailable for DC132)

Extract the SEEPROM from and reinsert it into the Controller PWB. If the problem still persists, replace the Controller PWB.

124-343 CRUM Market fail SYS 2**[Error Type]**

System Fail

[Fault Content]

One of CRUM destinations is different from the others (SYS 2).

[Detection Conditions]

One of the CRUM destinations stored in three positions does not match (Data stored in the Controller Board does not match).

[Corrective Actions]

(Software available for DC132)

Enter DC132. Master MCU to resolve the problem. If the problem persists, replace the Cont NVM and the Cont PWB in order.

(Software unavailable for DC132)

Reinstall/replace the NVMPWB. If the problem still reoccurs, replace the Controller PWB.

124-344 All Billings Metertypes Mismatch**[Error Type]**

sys

[Fault Content]

Billing Meter Type Fail (All the three are different from each other.)

[Detection Conditions]

All the billing meter types kept at multiple locations are different.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:

Replace the MCU PWB and the ESS PWB.

124-345 Billing Meter Type Restoration Fail**[Error Type]**

sys

[Fault Content]

Billing Meter Type Fail (One mismatches the others but cannot be automatically repaired.)

[Detection Conditions]

When one billing meter type did not match, this machine tried to automatically correct it but failed.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:

In DC131[NVM Read/Write] compare the values in the following NVMs: 720-002 and 720-062. If the values in both are the same, replace the MCU PWB.

If they are different, replace the ESS PWB.

124-346 All Billing CountTypes Mismatch**[Error Type]**

sys

[Fault Content]

Billing Count Type Fail (All the three are different from each other.)

[Detection Conditions]

All the billing count types kept at multiple locations are different.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:

Replace the MCU PWB and the ESS PWB.

124-347 Billing CountType Restoration Fail**[Error Type]**

sys

[Fault Content]

Billing Count Type Fail (One mismatches the others but cannot be automatically repaired.)

[Detection Conditions]

When one billing count type did not match, this machine tried to automatically correct it but failed.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:

In DC131[NVM Read/Write] compare the values in the following NVMs:

If the values in both 720-052 and 720-063 are the same, replace the MCU PWB.

If they are different, replace the ESS PWB.

124-348 All Modal Break Points Mismatch**[Error Type]**

sys

[Fault Content]

Modal Break Point Fail (All the three are different from each other.)

[Detection Conditions]

All the Modal Break Points kept at multiple locations are different.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:
Replace the MCU PWB and the ESS PWB.

124-349 Modal Break Point Restoration Fail

[Error Type]

sys

[Fault Content]

Modal Break Point Fail (One mismatches the others but cannot be automatically repaired.)

[Detection Conditions]

When one Modal Break Point did not match, this machine tried to automatically correct it but failed.

[Corrective Actions]

Power OFF then ON. If the problem persists, perform the following:
In DC131[NVM Read/Write] compare the values in the following NVMs:
If the values in both 720-057 and 720-064 are the same, replace the MCU PWB.
If they are different, replace the ESS PWB.

124-350 CRUM OEM fail ALL

[Error Type]

System Fail

[Fault Content]

All three CRUM OEM destinations are not set (0 or different values are set).

[Detection Conditions]

The CRUM OEM destinations stored in three positions match but their values are not set (0).

[Corrective Actions]

Replace the machine, or replace the MCU Board.

124-351 CRUM OEM fail MCU

[Error Type]

System Fail

[Fault Content]

One of CRUM OEM destinations is different from the others (IOT).

[Detection Conditions]

One of the CRUM OEM destinations stored in three positions does not match (Data stored in the MCU Board does not match).

[Corrective Actions]

(Software available for DC132)
Enter DC132. Master SYS1 to resolve the problem. If the problem persists, replace the MCU PWB.
(Software unavailable for DC132)

Replace the MCU PWB.

124-352 CRUM OEM fail SYS 1

[Error Type]

System Fail

[Fault Content]

One of CRUM OEM destinations is different from the others (SYS 1).

[Detection Conditions]

One of the CRUM OEM destinations stored in three positions does not match (Data stored in the Controller Board does not match).

[Corrective Actions]

(Software available for DC132)
Enter DC132. Master the MCU to resolve the problem. If the problem persists, replace the Cont PWB.
(Software unavailable for DC132)
Extract the SEEPROM from and reinsert it into the Controller PWB. If the problem still persists, replace the Controller PWB.

124-353 CRUM OEM fail SYS 2

[Error Type]

System Fail

[Fault Content]

One of CRUM OEM destinations is different from the others (SYS 2).

[Detection Conditions]

One of the CRUM OEM destinations stored in three positions does not match (Data stored in the Controller Board does not match).

[Corrective Actions]

(Software available for DC132)
Enter DC132. Mater SYS2 to resolve the problem. If the problem persists, replace the Cont NVM and the Cont PWB in order.
(Software unavailable for DC132)
Reinstall/replace the NVM PWB. If the problem still persists, replace the Controller PWB.

124-360 CRUM validation fail ALL

[Error Type]

System Fail

[Fault Content]

All three CRUM Enable/Disable settings are not set (0 or different values are set).

[Detection Conditions]

The CRUM Enable/Disable settings stored in three positions match but their values are not set (0).

[Corrective Actions]

Replace the machine, or replace the MCU Board.

124-361 CRUM validation fail MCU**[Error Type]**

System Fail

[Fault Content]

One of CRUM Enable/Disable settings is different from the others (IOT).

[Detection Conditions]

One of the CRUM Enable/Disable settings stored in three positions does not match (Data stored in the MCU Board does not match).

[Corrective Actions]

(Software available for DC132)

Enter DC132. Master SYS1 to resolve the problem. If the problem persists, replace the MCU PWB.

(Software unavailable for DC132)

Replace the MCU PWB.

124-362 CRUM validation fail SYS 1**[Error Type]**

System Fail

[Fault Content]

One of CRUM Enable/Disable settings is different from the others (SYS 1).

[Detection Conditions]

One of the CRUM Enable/Disable settings stored in three positions does not match (Data stored in the Controller Board does not match).

[Corrective Actions]

(Software available for DC132)

Enter DC132. Master the MCU to resolve the problem. If the problem persists, replace the Cont PWB.

(Software unavailable for DC132)

Extract the SEEPROM from and reinsert it into the Controller PWB. If the problem still persists, replace the Controller PWB.

124-363 CRUM validation fail SYS 2**[Error Type]**

System Fail

[Fault Content]

One of CRUM Enable/Disable settings is different from the others (SYS 2).

[Detection Conditions]

One of the CRUM Enable/Disable settings stored in three positions does not match (Data stored in the Controller Board does not match).

[Corrective Actions]

(Software available for DC132)

Enter DC132. Master SYS2 to resolve the problem. If the problem persists, replace the Cont NVM and the Cont PWB in order.

(Software unavailable for DC132)

Reinstall/replace the NVM PWB. If the problem still persists, replace the Controller PWB.

124-372 IOT sc Soft Fail**[Error Type]**

System Fail

[Fault Content]

IOT Controller Software Failure

[Detection Conditions]

IOT Controller software failure.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

124-373 IOT Manager SW Fail**[Error Type]**

System Fail

[Fault Content]

IOT Manager Software Failure

[Detection Conditions]

An error in the IOT Manager software was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-06 IOT System Fail

124-374 IOT IM DeviceDriver SW Fail**[Error Type]**

System Fail

[Fault Content]

IOT IM Device Driver Software Failure

[Detection Conditions]

The IOT controller software has detected a fatal error.

Also occurs when the system data obtained from within the Cont during start up has an incorrect value.

Occurs if DiagExit is carried out when SysUser NV initialization or IOT NV Write resulted in 'Exit (Keep Log)', but does not occur when 'Exit (Clear Log)' is used.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-06 IOT System Fail

124-380 CRUM Market fail ALL (2)

[Error Type]

System Fail

[Fault Content]

All three CRUM destinations are not set (0 or different values are set) #Case-(2).

[Detection Conditions]

The CRUM destinations stored in three positions match but their values are not set (0).

[Corrective Actions]

Replace the MCU PWB and the ESS PWB.

124-381 CRUM Market fail MCU (2)

[Error Type]

System Fail

[Fault Content]

One of CRUM destinations is different from the others (IOT). #Case-(2)

[Detection Conditions]

One of the CRUM destinations stored in three positions does not match (Data stored in the MCU Board does not match).

[Corrective Actions]

(Software available for DC132)

Enter DC132. Master SYS1 to resolve the problem. If the problem persists, replace the MCU PWB.

(Software unavailable for DC132)

Replace the MCU PWB.

124-382 CRUM Market fail SYS 1 (2)

[Error Type]

System Fail

[Fault Content]

One of CRUM destinations is different from the others (SYS 1). #Case-(2)

[Detection Conditions]

One of the CRUM destinations stored in three positions does not match (Data stored in the Controller Board does not match).

[Corrective Actions]

(Software available for DC132)

Enter DC132. Master the MCU to resolve the problem. If the problem persists, replace the Controller PWB.

(Software unavailable for DC132)

Extract the SEEPROM from and reinsert it into the Controller PWB. If the problem still persists, replace the Controller PWB.

124-383 CRUM Market fail SYS 2 (2)

[Error Type]

System Fail

[Fault Content]

One of CRUM destinations is different from the others (SYS 2). #Case-(2)

[Detection Conditions]

One of the CRUM destinations stored in three positions does not match (Data stored in the Controller Board does not match).

[Corrective Actions]

(Software available for DC132)

Enter DC132. Master SYS2 to resolve the problem. If the problem persists, replace the Cont NVM and the Cont PWB in order.

(Software unavailable for DC132)

Reinstall/replace the NVMPWB. If the problem still reoccurs, replace the Controller PWB.

124-390 CRUM OEM fail ALL (2)

[Error Type]

System Fail

[Fault Content]

All three CRUM OEM destinations are not set (0 or different values are set). #Case-(2)

[Detection Conditions]

The CRUM OEM destinations stored in three positions match but their values are not set (0).

[Corrective Actions]

Replace the machine, or replace the MCU Board.

124-391 CRUM OEM fail MCU (2)

[Error Type]

System Fail

[Fault Content]

One of CRUM OEM destinations is different from the others (IOT). #Case-(2)

[Detection Conditions]

One of the CRUM OEM destinations stored in three positions does not match (Data stored in the MCU Board does not match).

[Corrective Actions]

(Software available for DC132)

Enter DC132. Master SYS1 to resolve the problem. If the problem persists, replace the MCU PWB.

(Software unavailable for DC132)

Replace the MCU PWB.

124-392 CRUM OEM fail SYS 1 (2)**[Error Type]**

System Fail

[Fault Content]

One of CRUM OEM destinations is different from the others (SYS 1). #Case-(2)

[Detection Conditions]

One of the CRUM OEM destinations stored in three positions does not match (Data stored in the Controller Board does not match).

[Corrective Actions]

(Software available for DC132)

Enter DC132. Master the MCU to resolve the problem. If the problem persists, replace the Cont PWB.

(Software unavailable for DC132)

Extract the SEEPROM from and reinsert it into the Controller PWB. If the problem still persists, replace the Controller PWB.

124-393 CRUM OEM fail SYS 2 (2)**[Error Type]**

System Fail

[Fault Content]

One of CRUM OEM destinations is different from the others (SYS 2). #Case-(2)

[Detection Conditions]

One of the CRUM OEM destinations stored in three positions does not match (Data stored in the Controller Board does not match).

[Corrective Actions]

(Software available for DC132)

Enter DC132. Master SYS2 to resolve the problem. If the problem persists, replace the Cont NVM and the Cont PWB in order.

(Software unavailable for DC132)

Reinstall/replace the NVMPWB. If the problem still reoccurs, replace the Controller PWB.

124-700 Trimming Cancelled**[Fault Name]**

Trimming Cancelled

[Error Type]

Warning

[Fault Content]

Trimming was cancelled due to incorrect finished size during trimming.

[Detection Conditions]

When the paper size to be output is compared with the finished size specified by trimming, it was detected that the finished size is out of the range where trimming can be done.

[Corrective Actions]

Specify a post-trimming finished size that can conform to the output size.

124-701 Output tray changed from Side Tray**[Error Type]**

Warning

[Fault Content]

The machine changed output tray from Side Tray to another and continued printing.

[Detection Conditions]

Paper that cannot be output to SideTray was detected. (paper size and paper type)

[Corrective Actions]

Replace the paper with paper that can be output to Side Tray and rerun the job.

124-702 Output tray changed from Stacker**[Error Type]**

Warning

[Fault Content]

The machine changed output tray from Stacker to another and continued printing.

[Detection Conditions]

Paper that cannot be output to Stacker was detected. (paper size and paper type)

[Corrective Actions]

Replace the paper with paper that can be output to Stacker and rerun the job.

124-703 Booklet Tray to Center Tray**[Error Type]**

Warning

[Fault Content]

The output tray was changed from the Booklet Tray to the Center Tray and printing continued.

[Detection Conditions]

The output tray has been changed to the Center Tray because a failure was detected in the Booklet Tray.

[Corrective Actions]

Repair the Booklet Tray using another FIP detected at the same time.

124-704 Envelop Folder Tray to Center Tra

[Error Type]

Warning

[Fault Content]

The output tray was changed from the Folder Tray to the Center Tray and printing continued.

[Detection Conditions]

The output tray has been changed to the Center Tray because a failure was detected in the Folder Tray.

[Corrective Actions]

Repair the Folder Tray using another FIP detected at the same time.

124-705 Punching Canceled

[Error Type]

Warning

[Fault Content]

Punching instruction was canceled and printing continued.

[Detection Conditions]

Punching function was canceled and printing was continued because a failure was detected in the Puncher.

[Corrective Actions]

Repair Punch using another FIP detected at the same time.

124-706 Folding Canceled

[Error Type]

Warning

[Fault Content]

Folding instruction was canceled and printing continued.

[Detection Conditions]

Folder function was canceled and printing was continued because a failure was detected in the Folder failure.

[Corrective Actions]

Repair Folder using another FIP detected at the same time.

124-708 Changed To Sub Tray

[Error Type]

Warning

[Fault Content]

The machine changed output tray from the selected tray to Sub Tray and continued printing.

[Detection Conditions]

The paper was output from the center tray instead of from the selected tray

1. A different paper size other than the selected size was output for double-sided setting
2. Puncher or Finisher C malfunctioned

[(1) Sub Tray output when there is a size mismatch during double-sided setting]

- When there is a size mismatch, Simplex setting outputs to the selected tray and Duplex setting outputs to the Sub tray.
- The aim in changing the output to the Sub Tray based on the SheetDelivered receive timing from the IOT is displayed in the Control Panel which displays 'Copying' message when the [Start] button is pressed, until the IOT stops.
- There is no special display in the driver.

[(2) Sub Tray output when the Finisher malfunctioned]

- Decolor and Puncher failures are not SubSystemFail, they are LocalFail.
- When Decolor fails, output goes to the selected Finisher.
- When Puncher fails, output goes to the Sub Tray.
However, when booklet is selected, output goes to the Booklet.
- The aim in changing the output to the Sub Tray based on the SheetDelivered receive timing from the IOT is displayed in the Control Panel which displays 'Copying' message when the [Start] button is pressed, until the IOT stops.

[Corrective Actions]

For case (1), please check that the same selected paper size has been set on the paper tray.

For case (2), check that the error codes: 012-231, 012-232, 012-233 or 012-234 has been displayed, and refer to the corresponding FIP to repair the problem.

124-709 Stapler sheets counts over warning

[Error Type]

Warning

[Fault Content]

The No. of Stapler Sheets exceeded and printing continued.

[Detection Conditions]

The No. of Stapler Sheets exceeded was detected but printing was continued.

[Corrective Actions]

The No. of Stapler Sheets exceeded was detected but printing was continued.

124-710 Output Tray changed from MailBoxSorter

[Error Type]

warning

[Fault Content]

The machine changed output tray from Sorter to another and continued printing.

[Detection Conditions]

Paper that cannot be output to Mailbox Sorter was detected. (paper size and paper type)

[Corrective Actions]

Replace the paper with paper that can be output to Mailbox Sorter and rerun the job.

125-311 PSWcont Unexpected Fail

[Error Type]

System Fail

[Fault Content]

PSWcont Unexpected Error

[Detection Conditions]

PSW Cont Software Failure

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

127-210 DFE Communication Fail

[Error Type]

Service Fail

[Fault Content]

Controller Detected DFE Comm Error

[Detection Conditions]

The Green Controller detected communication failure with the DFE.

[Corrective Actions]

Pull out and insert the DFE connection cable.
Turn the power OFF then ON.

127-211 DFE Parameter Error

[Error Type]

Service Fail

[Fault Content]

Controller Detected DFE Parameter Error

[Detection Conditions]

The Green Controller detected incorrect parameter for command communication with the DFE.

[Corrective Actions]

Pull out and insert the DFE connection cable.
Turn the power OFF then ON.

127-212 ExtPrint Check Mode Error

[Error Type]

Service Fail

[Fault Content]

External Print Check Mode Error

[Detection Conditions]

The Controller detected an error in the External CDI H/W Check Mode.

[Corrective Actions]

- Pull out and insert the command/video cables between the DFE and M/C.
- Turn the power OFF then ON.

127-213 ExtPrint I/F Mismatch

[Error Type]

Service Fail

[Fault Content]

External Print IF Mismatch

[Detection Conditions]

The Controller detected the mismatch with the I/F version notified from the DFE.

[Corrective Actions]

- Match the software versions of DFE and ESS.
2.6.1 Software Download

127-220 DEF Communicaiton Error (video)

[Error Type]

Service Fail

[Fault Content]

DEF Detected Communication Error (Video)

[Detection Conditions]

The DFE detected communication error in the Video system.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-01 Common System Fail

127-221 DEF Communicaiton Error (Command)

[Error Type]

Service Fail

[Fault Content]

DEF Detected Communication Error (Command)

[Detection Conditions]

The DFE detected communication error in the Command system.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-01 Common System Fail

127-310 ESR Task Fatal error

[Error Type]

System Fail

[Fault Content]

Fatal error of ESR Task.

[Detection Conditions]

A fatal error occurred in ESR Task.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-01 Common System Fail

127-311 ExtPRTc Fatal Error

[Error Type]

System Fail

[Fault Content]

Fatal error related to ExtPRTc.

[Detection Conditions]

Fatal error related to ExtPRTc.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

127-312 DFE Video Link Fail**[Error Type]**

system fail

[Fault Content]

DFE-detected Video Link Fail

[Detection Conditions]

DFE detected a Video Link error.

[Corrective Actions]

Disconnect and connect the DFE connection cable.

Turn OFF then ON the power. If the problem persists, perform the following.

OF-01 Common System Fail

127-313 ESS Video Link Fail**[Error Type]**

system fail

[Fault Content]

ESS-detected Video Link Fail

[Detection Conditions]

ESS detected a Video Link error.

[Corrective Actions]

Disconnect and connect the DFE connection cable.

Turn OFF then ON the power. If the problem persists, perform the following.

OF-01 Common System Fail

127-314 WSD Print S/W Fail**[Error Type]**

system fail

[Fault Content]

a fatal error related to WSD Print Service

[Detection Conditions]

ESS detected a Video Link error.

[Corrective Actions]

Turn OFF then ON the power. If the problem persists, perform the following.

OF-01 Common System Fail

127-315 ThinPrint S/W Fail**[Error Type]**

sys

[Fault Content]

A ThinPrin .print-related fatal error

[Detection Conditions]

A problem has occurred with software processing, causing the processing to stop ever since.

[Corrective Actions]

Turn the power OFF then ON.

If the problem persists, go to the following and solve it.

OF-01 Common System Fail

127-320 DFE Critical Fail**[Error Type]**

System Fail

[Fault Content]

Fatal error related to Bizen DFE.

[Detection Conditions]

An error occurred in the connection to the DFE. Or, the DFE needs to treat the device as System-Fail.

[Corrective Actions]

Take the corrective actions based on the Fault Code displayed in the DFE monitor, then reboot the system.

If the problem persists, perform the following procedures.

1. Check the connection to the DFE.
2. Check the device settings.
3. Check the DFE HW.
4. Check the device HW.

127-337 JobTemplate HDD Write Error**[Error Type]**

System Fail

[Fault Content]

[Write error in obtaining JT]

An error has occurred when the Job Template was stored in the local HD.

[Detection Conditions]

There was a temporary file access failure during polling for internal use, or an error occurred when writing to a local HDD of the Job Template (besides HDD Full).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedures in sequence to repair it.

After performing the procedure in

OF-02 HDD System Fail,

OF-01 Common System Fail

127-342 JobTemplate Monitor Fail

[Error Type]

System Fail

[Fault Content]

[JT Monitor Failure]

Fatal errors to be detected by the JT monitor.

[Detection Conditions]

A response such as system function recall error was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

127-353 LPD Soft Fatal error

[Error Type]

System Fail

[Fault Content]

Fatal error related to lpd.

[Detection Conditions]

Fatal error related to lpd.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

2.4 NET System Fault Check

2.4.5 Network-Related Details Check Flow

127-354 FTP Server Software Fail

[Error Type]

System Fail

[Fault Content]

Fatal error of FTP Server.

[Detection Conditions]

A fatal error of FTP Server was detected.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

2.4 NET System Fault Check

2.4.5 Network-Related Details Check Flow

127-396 MailIO Soft Fatal error

[Error Type]

System Fail

[Fault Content]

Fatal error related to Mail IO.

[Detection Conditions]

Fatal error related to Mail IO.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

2.4 NET System Fault Check

2.4.5 Network-Related Details Check Flow

127-398 IPP Soft Fatal error

[Error Type]

System Fail

[Fault Content]

Fatal error related to IPP.

[Detection Conditions]

Fatal error related to IPP.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

2.4 NET System Fault Check

2.4.5 Network-Related Details Check Flow

127-399 JME Soft Fatal error

[Error Type]

System Fail

[Fault Content]

Fatal error related to JME.

[Detection Conditions]

Fatal error related to JME.

Due to an error in software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

2.4 NET System Fault Check

2.4.5 Network-Related Details Check Flow

127-700 SIP Registration Fail

[Error Type]

warning

[Fault Content]

A failure in registering with the SIP Registration Server

[Detection Conditions]

An error has occurred in registering device info with the SIP Registration Server.

[Corrective Actions]

Check what the SIP Registration Server is set to on the device.

Check that the SIP Registration Server is available.

133-210 Fax Parameter incorrect

[Error Type]

Service Fail

[Fault Content]

Incorrect Parameter

[Detection Conditions]

The parameter value was inappropriate.

(An error of the interface itself, such as a too long parameter) The necessary parameter is not notified.

NOTE: Depending on the host, this error may not be returned but the Fax card may be reset.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-07 FAX System Fail

133-211 Fax Parameter Value Invalid

[Error Type]

Service Fail

[Fault Content]

Incorrect Parameter

[Detection Conditions]

The PV exceeds the range.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-07 FAX System Fail

133-212 Fax Read Error No Data

[Error Type]

Service Fail

[Fault Content]

Data Read Error - No Data

[Detection Conditions]

The specified data was not found (incorrect no. or channel).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-07 FAX System Fail

133-213 Fax Read Error-Invalid Data

[Error Type]

Service Fail

[Fault Content]

Data Read Error - Invalid Data

[Detection Conditions]

The specified data cannot be read due to reasons such as the specified data is broken.

- The host may treat this failure as a System Fail.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-07 FAX System Fail

133-214 Fax USB Open Fail in Initializing

[Error Type]

Service Fail

[Fault Content]

USB Open failed at initialization.

[Detection Conditions]

Detected by FAPE (createInstance failed).

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-07 FAX System Fail

133-215 Fax USB Device Fatal Error

[Error Type]

Service Fail

[Fault Content]

USB Device Fatal Error

[Detection Conditions]

Sent to the FAPE as an asynchronized event.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-07 FAX System Fail

133-216 Fax USB Host Fatal Error

[Error Type]

Service Fail

[Fault Content]

USB Host Fatal Error

[Detection Conditions]

Sent to the FAPE as an asynchronized event.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-07 FAX System Fail

133-217 Fax Manager Short of Memory**[Error Type]**

Service Fail

[Fault Content]

Insufficient Fax Manager Memory

[Detection Conditions]

Sent to the FAPE as an asynchronized event. (Currently undefined)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-07 FAX System Fail

133-218 Fax Card Message Library Short of Memory**[Error Type]**

Service Fail

[Fault Content]

Insufficient Fax Card Message Library Memory

[Detection Conditions]

Sent to the FAPE as an asynchronized event. (Currently undefined)

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-09 Common Job Fail

133-219 Fax Short of Work Memory**[Error Type]**

Service Fail

[Fault Content]

Insufficient Working Memory

[Detection Conditions]

Due to insufficient memory, the system was unable to reserve the memory required for the processing.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-07 FAX System Fail

133-220 Fax Control task detects error**[Error Type]**

Service Fail

[Fault Content]

Fatal error of Fax Cont.

[Detection Conditions]

Due to an error during Fax Cont software processing, subsequent processes cannot be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-11 FAX Job Fail

133-221 Fax Card not respond when system is Booting**[Error Type]**

Service Fail

[Fault Content]

No response at Fax Card booting.

[Detection Conditions]

The Fax Card did not respond within the specified time on booting.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-07 FAX System Fail

133-222 Fax Card does not respond intervally**[Error Type]**

Service Fail

[Fault Content]

The Fax Card did not respond within the specified time.

[Detection Conditions]

The Fax Card did not respond within the specified time.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-07 FAX System Fail

133-223 Fax Card Reset**[Error Type]**

Service Fail

[Fault Content]

Fax Card Reset

[Detection Conditions]

Fax Card Reset

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-07 FAX System Fail

133-224 Controller ROM Fax Card ROM mismatch**[Error Type]**

Service Fail

[Fault Content]

Version mismatch between the Controller ROM and the Fax Card ROM.

[Detection Conditions]

The Controller detected version mismatch.

[Corrective Actions]

Upgrade both the Controller and Fax Card ROM to the latest version.

133-225 Fax address book illegal setting**[Error Type]**

Service Fail

[Fault Content]

After rewriting the Address Book using EasyAdmin and before rebooting, a Service Fail occurred due to dial error because a speed dial entry was rewritten from the Panel.

[Detection Conditions]

After rewriting the Address Book in EasyAdmin and before rebooting, a speed dial entry was rewritten from the Panel.

[Corrective Actions]

Turn the power OFF then ON.

133-226 Illegal country code for Fax**[Error Type]**

Service Fail

[Fault Content]

Illegal Country Code for FAX Detected

[Detection Conditions]

The code that does not provide FAX Service is set in the System Data Country Code.

[Corrective Actions]

Set a correct Country code.

133-280 Fax Option Slot1 Board Fail**[Error Type]**

Service Fail

[Fault Content]

FAX Service Separated by Service Fail

[Detection Conditions]

Due to either a Fax Card failure or Fax Cont SW failure, subsequent processes could not be performed.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-07 FAX System Fail

133-281 Received unknown message**[Error Type]**

Service Fail

[Fault Content]

Unknown message received.

[Detection Conditions]

A message not specified in the I/F settings was received from the Fax Card.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.
OF-07 FAX System Fail

133-282 Fax Card download fail**[Error Type]**

Service Fail

[Fault Content]

Software downloading failed and Fax Card separated.

[Detection Conditions]

As downloading of Fax Card could not be completed due to either a Fax Card failure or Fax Cont SW failure, subsequent processes could not be performed.

[Corrective Actions]

Repeat the Fax Card Download. If this failure persists, replace the Fax PWB and the G3 PWB.
If the problem persists, perform the following procedure to repair it.
OF-14 FAX Card Fail

133-283 Fax report mail box not open**[Error Type]**

Service Fail

[Fault Content]

FAX Report Storage Mailbox Not Open

[Detection Conditions]

Mailbox Not Open was detected when FAX report is stored in a mailbox.

[Corrective Actions]

If the problem persists after opening the Mailbox, perform the following procedure to repair it.

OF-07 FAX System Fail

133-700 Staple/Punch Canceled**[Error Type]**

Warning

[Fault Content]

Cancel Staple/Punch (printing continued by canceling Staple/Punch instructions).

[Detection Conditions]

When it was decided that Staple/Punch could not be carried out due to the paper used for printing, during processing of the received FAX document into a printable DataFormat by the Controller.

[Corrective Actions]

Change the Staple/Punch position or select paper for the Staple/Punch position.

133-710 Tray select fail. Used SMH instead.**[Error Type]**

Warning

[Fault Content]

When printing Fax-received documents, it was performed via the Bypass tray since the selected tray cannot be used for Fax

[Detection Conditions]

The 'Receiving Paper Size Tray Mode Function' is provided to determine 'Which tray to print the Fax-received data from'. This error can occur when this function is 'enabled.'

Even if this function is 'disabled,' this error can also occur when printing Fax reports and documents for polling.

* When set to automatically print Fax/Internet FAX received documents, this machine automatically selects a paper tray. During that selection, any of the following occurs.

- Since the selected tray is set as 'Unavailable for Fax document print', the machine selects the Bypass tray to continue printing.
- Since the paper size in the selected tray is set as a size that cannot be used for Fax, the machine selects the Bypass tray to continue printing.
- Since the paper type (= paper quality) in the selected tray is set as a quality that cannot be used for Fax, the machine selects the Bypass tray to continue printing.
- If none of the above applies, the selected tray might be malfunctioning.

* This error also occurs when any of the four conditions above is detected when 'the customer selects the Bypass tray and tries to print from a mailbox'.

[Corrective Actions]

- Load the paper size that can be used for Fax printing.

A3SEF, A4LEF, B4SEF, B5LEF, A4SEF, A5SEF, B5SEF, Letter SEF, Legal (14inch), Legal (13inch), Ledger, Letter LEF, and Half Letter SEF can be used.

- Load the paper type (= paper quality) that can be used for Fax printing.-> Plain Paper, Bond Paper, Recycled Paper, Backing Paper, and Custom Paper can be used.
- When the machine is set to 'Enable Receiving Paper Size Tray Mode Function', perform any one of the following:
 1. Select [Settings List] -> [Fax Control] -> [Tray Mode] to add the tray number that the customer wants to specify for printing.
 2. Select a tray number for the customer's printing use from the one of the trays that are set in [Settings List] -> [Fax Control] -> [Tray Mode].

Instead of selecting [Settings List] -> [Fax Control] -> [Tray Mode], the same settings can be performed through [SystemData: 820-002] -> [Tray selection in tray mode].

If the problem persists, perform the following procedure to repair it.

OF-09 Common Job Fail

134-210 Fax Cont Parameter Invalid

[Error Type]

Service Fail

[Fault Content]

Incorrect Parameter

[Detection Conditions]

Incorrect parameter (A value out of the PV range was specified, or the parameter is too long, or an error of the interface itself), the necessary parameter is not notified.

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-07 FAX System Fail

134-211 Fax Card Main Board Failure

[Error Type]

Service Fail

[Fault Content]

Fax Card Main Board Failure

[Detection Conditions]

TBD

Fax Card Main Board Failure

[Corrective Actions]

Turn the power OFF then ON. If the problem persists, perform the following procedure to repair it.

OF-14 FAX Card Fail

202-399 JME Soft Fatal error

[Error Type]

System Fail

[Fault Content]

Timer internal error detected by the UI Cont

[Detection Conditions]

The setting value of SystemData=700-124 (Auto Clear Timer (Auto Resume Timer, Auditoron Off Timer, Tools Off Timer) is detected to be 1~29 in MF machines.

This Fail does not occur for values of 1~29 in Prt machine.

[Corrective Actions]

Turn the power OFF then ON.

Check the value of SystemData=700-124 (Auto Clear Timer (Auto Resume Timer, Auditoron Off Timer, Tools Off Timer).

If the value of 1~29 is set in an MF machine, a Fail will occur.

- If this Fail occurs when timer related System Data Settings Value for other than 700-124 is changed, check the normal values for the related System Data.

If the problem persists, perform the following procedure to repair it.

OF-01 Common System Fail

500-030 DC612 Print NG By IOT Wait State

[Error Type]

History

[Fault Content]

[Detection Conditions]

The following occurs (However, this includes the cases that may not occur when DC612 starts):

- DC900G:
 - Fusing Unit: Shifted to Warming Up and Sagging occurred.
 - The CC Cleaner Position was moved from the Home Position.
 - Fusing Unit Relay State: Shifted to Not Ready.
 - Drum Cycle State: Shifted to Cleaning Request.
 - CC Wire Warning: Occurred.
 - Reserve Tank State: Filling.
 - Drum Crum State: Unknown.
- DCC5540G/DC540G:
 - Fusing Unit: Shifted to Warming Up and Sagging occurred.
 - Reserve Tank State: Filling.

[Corrective Actions]

Return from the Wait state and try again.

500-033 Diag Document Not Detected/Enough

[Fault Name]

Diag Document Not Detected/Enough

[Error Type]

Diag

[Fault Content]

The document is not loaded or the document is not enough when a Diag job is performed.

[Detection Conditions]

- When a Diag job requiring a document is performed and the document cannot be detected.
- When a Diag job requiring multiple documents is performed and the number of loaded sheets is not sufficient to meet the specification.

[Corrective Actions]

Load the required number of documents and perform the job again.

500-035 Diag Document Invalid Size

[Fault Name]

Diag Document Invalid Size

[Error Type]

Diag

[Fault Content]

The document size is different when a Diag job is performed.

[Detection Conditions]

-When the size of the detected document is different from the specified document size.

[Corrective Actions]

Use a document of the specified size and perform the job again.

500-990 DC612 Print NG By Any Reason

[Error Type]

History

[Fault Content]

Diag DC612 Test Pattern Print cannot be executed due to unknown reason.

[Detection Conditions]

Printing could not start due to unknown reason in Diag DC612 Test Pattern Print, or it was aborted. (Only end response)

- This occurs during Diag execution only, and Fault Code is displayed on the PC-Diag and Panel.

[Corrective Actions]

Perform the same operation again.

2.4.1 Interface (Physical/Logical)

1. Physical Interface Description

The following physical interfaces are supported.

- (1) IEEE1284*1
- (2) USB
- (3) Ethernet (10BaseT, 100BaseTX) *2

*1: Only the products under Mid range are supported.

*2: Has the features to automatically detect and switch the transmission speed (10Mbps, 100Mbps).

Also, the transmission speed can be fixed by settings.

2. Logical Interface Description

It is possible to set whether to activate the system for each of the following logical interfaces. Default Activation: IEEE1284, SMB(DLC), SNMP(IPX)

Supported for receiving print jobs

- (1) IEEE1284 (when 1.1 IEEE1284 is supported) * Only the products under Mid range are supported.
- (2) USB
- (3) Lpd
- (4) NetWare
- (5) AppleTalk (EtherTalk)
- (6) SMB
- (7) IPP
- (8) Internet FAX Print
- (9) Port9100
- (10) CWIS File Upload Print

Supported for receiving Scan jobs

- (1) Salutation Scan [[CP, CFP]]
- (2) FTP Client [[CP, CFP]]
- (3) Internet FAX Send [[CP, CFP]]
- (4) SMB Client [[CP, CFP]]
- (5) WebDAV Server [[CP, CFP]]

Supported for management interface

- (1) SNMP
- (2) CWIS

Supported for other services

FTP Server

2.4.2 'Cannot connect to the network' or 'Print is not found from the PC'

Get 'NET Connection Diagram' and take actions by following the instructions in '2.4.5 Network-Related Details Investigation Flow' in this document, and then collect the following information:

- System Settings List
- Check the client settings (Output Port)
- Physical interface check
- Logical interface check
- Other connection environment check
 - Printer switching machine
 - Availability of printer buffer, etc.
 - HUB (Switch, Hub) used, etc.
- Network Capture Log

2.4.3 No output is available, no data is printed

1. Check whether or not the Controller ROM and Printer Driver are the latest version.
If it is not the latest, always upgrade the software. (See 2.6.1 Software Download.)
After checking the above items, check whether the Indicator is blinking and take the corrective actions accordingly.

(1) When the Indicator (Panel Send/Receive Lamp) is blinking

It is highly possible that print data cannot be decomposed in the Printer main processor.

Perform the corrective actions according to '2.4.5Network-Related Details Check Flow' in this document, and then collect the following information:

- System Settings List
- Check the panel message (error message, etc).
- Error History Report
- Job History Report
- Shutdown History Report
- Check the Printer Driver name and version.
- Check the Printer Driver settings in details.
- Network Capture Log
- Create Print files on the PC and collect them on CD-R.

[How to Create Print file]

Method 1)

- i. Select [Print] from File menu in the target document.
- ii. In [Print] screen, select the [Output to File] check box and click [OK].
If there is no [Output to File] check box displayed in the [Print] screen, create the file in Method 2.
- iii. Enter a descriptive file name in 'File Name' using a customer name and date, and click [OK] to create a Print file in the specified destination.

Method 2)

- i. Open the Printer Driver Properties and select the [Ports] tab. The screen shown on the right appears.
- ii. In [Ports], select [FILE:] in the list and click [OK] to close the Properties screen.
Take note of the port setting before it was changed in [FILE:] in order to restore the port to original setting after creating a Print file.
- iii. Select [Print] from File menu in the target document.
- iv. The [Output to File] screen appears. Specify a storage destination and file name, and click [OK] to create a Print file in the specified destination.
- v. Restore the port to the original setting in the procedures 1 and 2 shown above.

(2) When the Indicator (Panel Send/Receive Lamp) is not blinking

It is highly possible that connection is not established and hence print data has not reached the Printer main processor.

Obtain the information relevant to the items described in 2.4.2'Cannot connect to the network'.

2.4.4 Printing can be performed but abnormally

1. Check whether the Controller ROM and Printer Driver are the latest version.
If it is not the latest, always upgrade the software. (See 2.6.1 Software Download.)
2. Ask a customer about the status of unavailable printing and collect information based on it.
 - System Settings List
 - Check PDL name.
 - Check the Printer Driver name and version.
 - Check the Printer Driver settings in details.
 - Perform Printer setting printing in each mode.
 - Print sample that has been printed improperly.
 - Print sample that has been printed properly (including the samples from other machines).
 - Create Print files on the PC and collect them on CD-R.

2.4.5 Network-Related Details Check Flow

2.4.5.1 Check Flow at SMB Failure

The following describes the possible causes, check procedures, and corrective actions when a failure occurs when SMB is used.

1. Check at [Printer Not Found]

Table 1

Cause	Check Method	Corrective Action
The operation protocols of the computer and main processor are different.	Though the printer can be found when search is performed using [Search Other Computer] ([Start] > [Search] > [Other Computers]), it cannot be found in [Network Computers].	Match the SMB transport protocols (NetBEUI, TCP/IP) of the main processor and each computer.
Networks (subnets) are different.	Though the printer can be found when search is performed using [Search Other Computer] ([Start] > [Search] > [Other Computers]), it cannot be found in [Network Computers].	When the main processor and the computer are in different networks, check with the System Administrator.
The host name set in the main processor already exists.	Print the 'System Settings List'. Check that 'Host name duplicated' is described in the SMB status information.	Use CentreWare Internet Services to change the host name to an unduplicated name or return the main processor settings to default.

2. Check at [Print Not Available]

Table 2

Cause	Check Method	Corrective Action
The main processor is processing a print request from another computer. (When [Do not spool] is set for [Receiving Buffer])	Check that the main processor is processing a print. (A write error dialog appears indicating that there are no areas to stored the files in queue.)	After print process has been completed in the main processor, issue a print request or switch the main processor setting to the spool mode.
The number of connections in the main processor exceeds the maximum value.	The port connection is also being hold when the printer is paused due to no paper because it is hold 'since a job request has been issued to Net until printing is complete'. Check the maximum number of sessions of SMB from the EWS 'Protocol' menu to check that the jobs more than 'maximum number of sessions' were requested at the same time at site.	Wait for a while and issue the same print request again. Or, check the number of users that can use the machine at the same time and set the maximum number of sessions to an appropriate value from the EWS 'Protocol' menu.

3. Check at [Documents Cannot Be Deleted from [Printer] Window]

Table 3

Cause	Check Method	Corrective Action
Try to delete all the print data displayed in [Printers] window. (This can only be done by the administrator of this machine.)	From the 'Printers' menu, check if the print data is tried to be deleted. ([Clear Print Jobs] menu)	Select the print data to be deleted and delete the print data from [Documents] menu in the [Printers] window. ([Cancel Job] menu)
There are different print data owners.	Check that the name displayed [Owner] of the selected print data matches the login name who has logged in to Windows.	Log in to Windows using the name displayed in [Owner] of the print data to delete the data.
Service Pack 4.0 or later is not installed. (For WindowsNT 4.0)	Check the version of Service Pack, which is displayed at start up of WindowsNT 4.0.	Install Service Pack version 4.0 or later.

4. Check [Machine Settings]
 - (1) IP addresses are managed in a whole system. Consult with the Network Administrator thoroughly before perform setting.
 - (2) Depending on the network environment, set the subnet mask and gateway settings only if necessary. Consult with the Network Administrator to set necessary settings.
 - (3) If a memory becomes insufficient when [Enabled] is set for the port status, the port status may be automatically reset to [Disabled]. In this case, [Disabled] an unused port or change the memory allocated capacity.
 - (4) Depending on the usage environment, set the receiving buffer capacity [SMB (Spool)] size. When the receiving buffer capacity [SMB (Spool)] size is smaller than the sent data, the data may not be able to be received.
5. Check [Computer Settings]
 - (1) IP addresses are managed in a whole system. Consult with the Network Administrator thoroughly before perform setting.
 - (2) To perform network settings (such as IP address), etc. on the host used under NIS (Network Information Service) management, consult with the NIS Administrator.
6. Check at [Power OFF]

Before turning the machine OFF, take note of the following:

 - (1) When [Memory] is set for [SMB (Spool)]

All the print data including the data being printed that have been spooled in the machine memory will be deleted.

When turning the power ON again, no print data remains. However, if the power is turned OFF immediately after print instruction, the print data may be stored on the computer.

In this case, even if a new print instruction is issued after the power is turned ON, the stored print data will be printed first.
 - (2) When [Hard Disk] is set for [SMB (Spool)]

All the print data including the data being printed that have been spooled in the machine hard disk will be saved.

When the power is turned ON again and a new print instruction is issued, the stored print data will be printed first.

- (3) When [Do not spool] is set for [SMB (Spool)]

All the print data including the data being printed that have been spooled in the machine receiving buffer will be deleted. When the power is turned ON again, no print data remains.

However, if the power is turned OFF immediately after print instruction, the print data may be stored on the computer.

In this case, even if a new print instruction is issued, the stored print data will be printed first.

- 7. Check [At Printing]

- (1) When [Hard Disk] or [Memory] is set for [SMB (Spool)]

When the machine starts receiving print data and the print data size is larger than the hard disk or memory remaining capacity, the print data will not be received.

NOTE: If the print data exceeds the receiving capacity, some computers will resend data immediately. In this case, the computer looks like stopped. As a corrective action for this, abort sending the print data on the computer.

- (2) When [Do not spool] is set for [SMB (Spool)]

When a print request is received from a computer, the print requests from other computers cannot be received.

- (3) When a computer IP address or name has been changed

When a computer IP address or name has been changed, the inquiry and cancelation of processes from the main processor cannot be performed properly. Turn the machine OFF then ON when no print data is stored in the machine receiving buffer.

NOTE: The print cancel/forced output processes of the print data stored in the machine receiving buffer can be operated from the machine Operation Panel. Refer to '11 Job Check' in 'User Guide' for more information on how to operate.

- (4) When the machine is in the offline state

When the machine is in offline state and a print instruction is issued from a computer, the data will not be received in the machine, and an error dialog box appears on the computer indicating that write error has occurred. However, for SMB, the print data can be received from the computer even when the machine is offline.

- (5) Deleting Jobs

For WindowNT 4.0, jobs can be deleted when Service Pack 4.0 or later is installed. When a job is deleted while data is being received, write error appears. In this case, the [Retry] button on the error dialog box is not available.

2.4.5.2 Check Flow at NetWare Failure

The following describes the possible causes, check procedures, and corrective actions when a failure occurs when NetWare is used.

- 1. Check at [Printing Not Performed]

Table 4

Cause	Check Method	Corrective Action
The network configuration devices (HUB etc.) do not match the automatic settings of the frame type.	Check that the data link lamp of the network configuration device port that is connected to the machine is lit on. Check that the same frame types are used in the file servers that exist on a network.	Set the frame type that has been set for the file server to be connected from the machine.
A failure has occurred on the network from a workstation to a printer.	Use NWADMIN from the workstation to check that the target printer objects can be viewed.	Replace the non-communicating network cable that exists between the workstation and the printer.
The user name of a job sender or the group name to which the job sender belongs is not registered in the [Users] for Print queue.	Use NWADMIN from the workstation to view the target queue objects and check that the user name of the job sender or the group name to which the job sender belongs is registered in the [Users] information.	1. Resend print data to the print queue in which the user name of the job sender or the group name to which the job sender belongs has been registered in [Users] of [Print Queue Information]. 2. Use NWADMIN from the workstation to register the user name of the job sender or the group name to which the job sender belongs in the [Users] of [Print Queue Information].
Sending jobs to the print queue is prohibited.	Use PCONSOLE to check that [Yes] is set for [User can register data to queue] in the [Current Queue Status] of [Print Queue Information].	Set it to [Yes] using PCONSOLE.
Same as above	Use NWADMIN from the workstation to check that the operator flag is checked in [Identification] for the target print queue.	Use NWADMIN from the workstation to check that the each item for the operator flag is checked in [Identification] for the target print queue.
The user name of a job sender or the group name to which the job sender belongs is not defined for the print server users of a print server.	Use NWADMIN from the workstation to check that the user name of the job sender or the group name to which the job sender belongs is registered in [Users] of the target print server.	1. Resend print data to the print queue in which the user name of the job sender or the group name to which the job sender belongs has been registered in [Users] of [Print Server Information]. 2. Use NWADMIN from the workstation to register the user name of the job sender or the group name to which the job sender belongs in the [Users] information of the target print server.

Table 4

Cause	Check Method	Corrective Action
The print queue that has sent print data is not allocated to the printer.	Use NWADMIN from the workstation to check that the target printer is allocated in the list of the printers in service in [Allocation] of the target print queue.	1. Resend print data to the print queue that has been allocated to the printer. 2. Use NWADMIN from the workstation to add a target queue using [Allocation] of the target printer.
The data type of the print data does not match the print environment settings of the workstation.	-	When the workstation uses Windows, make settings so that it does not output Ctrl-D.
The number of print queues that exceeds the maximum number of supported queues has been set.	Use NWADMIN from the workstation to check that the desired print queue is allocated in the list of the printers in [Allocation] of the target printer.	Resend print data to the print queue that has been allocated to the printer.
No slave file servers have been set (bindery service mode).	Use PCONSOLE from the workstation to check that a slave file server is registered in [Service NetWare Server] of the appropriate print server in [Print Server Information].	Use PCONSOLE from the workstation to register a slave file server and then reflect the setting parameters.
Printer types are different.	Use PCONSOLE from the workstation to check that Port: LPT1 and Position: Auto Mode (Local) are set in [Print Server Information] > [Printers] > [Environment Settings for Printer xxx].	Use PCONSOLE from the workstation to set Port: LPT1 and Position: Auto Mode (Local), and reflect the setting parameters.
The slave file server settings are different (bindery service mode).	Use PCONSOLE from the workstation to check that [Defined by Other Settings] is displayed for the printer type in [Print Server Information] > [Printers] > [Environment Settings for Printer xxx].	If it is not set to [Defined by Other Settings], change it to [Defined by Other Settings] and then reflect the setting parameters.
The sheet number of the print data is different from the sheet number that has been set in the printer.	Use NWADMIN from the workstation to select a target printer and then check that the start sheet number in the environment settings is the same as the number of the print data.	Use NWADMIN from the workstation to match the number for [Start Sheet] with the number of the print data in the environment settings for the target printer.
IPX check sum level settings are different.	Use the set command in the file server console screen to check the IPX check sum is not set to Level 2.	Enter the following command in the file sever console screen to set the IPX check sum to Level 0 or Level 1. Set Enable IPX Checksum=x (x: 0 or 1)

Table 4

Cause	Check Method	Corrective Action
NCP packet signature level settings are different.	Use the set command in the file server console screen to check the NCP packet signature is not set to Level 3.	Enter the following command in the file sever console screen to set the NCP packet signature to Level 0, 1, or 2 and then restart the file server. Set NCP Packet Signature Option=x (x: 0, 1, or 2)
The default device name setting is wrong.	Print 'System Settings List' to check the lower 6 digits (3 bytes) of the Ethernet address.	1. Use a correct Ethernet address to set the device name. 2. Set the device name to other than the default value.
No directory tree name is set.	Print the 'System Settings List' to check if a tree name is set.	Set a tree name.
Context is not set in place.	Print the 'System Settings List' to check if a context is set.	Set the Context.
Another printer object has been connected.	Use NWADMIN from the workstation to check that a correct object has been allocated in the Layout Information of the desired print server.	1. Use the CentreWare Utilities CD-ROM from the workstation to set the file server name/tree/context/operation mode correctly. 2. Use the CentreWare Internet Services from the workstation to set the file server name/tree/context/operation mode correctly.
The NetWare port is not enabled.	Print the 'System Settings List' to check if the NetWare port is enabled.	Enable the NetWare port.
The file server is down.		Search for a target file server from [Network Computers].
A printer with the same device name exists on a network.	Turn OFF the machine and use NWADMIN from the workstation to check that the appropriate printer object status is set to job standby.	Use the CentreWare Utilities CD-ROM from the workstation to set a different device name.
The NetWare port is not enabled.	Print the 'System Settings List' to check if the network number remains [0000000] (NetWare server down) when the IPX/SPX is being used. Also check if the IP address remains [0.0.0.0] (Fixed IP address not set, or address providing server (DHCP) is down) when TCP/IP is used.	For IPX/SPX, activate the NetWare server. For TCP/IP, set a fixed IP address or activate the address providing server (DHCP).

2. Check at [Printing not performed as desired]

Table 5

Cause	Check Method	Corrective Action
Different printer languages are set in the print data and the main processor.	Check the printer language in the main processor.	Match the printer languages set in the print data and the main processor.

3. Check at [Printer failure not notified]

Table 6

Cause	Check Method	Corrective Action
The notifier is not registered in the notifier list of the print server.	Use PCONSOLE from the workstation to check that the user name of a job sender or the group name to which the job sender belongs is registered in [Print Server Information] > [Printers] > [Environment Settings for Printer xxx] > [Notification].	Register the user name of a job sender or the group name to which the job sender belongs in [Notification].

4. Check at [Job completion not notified]

Table 7

Cause	Check Method	Corrective Action
The NOTIFY option was not set for sending print data from a workstation.	Check that the NOTIFY option is set for sending print data.	Set the NOTIFY option for sending print data from a workstation.
NetWare CASTOFF was executed on the user workstation.	-	Execute NetWare CASTON on the user workstation.

2.4.5.3 Check Flow at TCP/IP (LPD) Failure

The following describes the possible causes and actions when a failure occurs when TCP/IP (LPD) is used.

1. For Windows95, Windows98 and WindowsMe

Table 8

Cause	Status Display	Check Method	Corrective Action
The machine is connected to a network that is different from the computer.	Printing Not Available status (Network Error)	Check with the Network System Administrator that a router or gateway exists between the network in which the computer is connected and the network in which the machine is connected.	Connect the machine directly to the network in which the computer is connected.
Connection cannot be established due to the failure on the network from a computer to the printer.	Printing Not Available status (Network Error)	None.	Request the Network System Administrator to check for any network failures.
The machine was turned OFF after print instruction had been issued from a computer. Or, a print instruction was issued from a computer when the machine is turned OFF.	Printing Not Available status (Network Error)	Check that the machine is turned ON.	Turn ON the machine.
Print instructions are issued from multiple computers to the machine at the same time.	Printing Not Available status (Network Error)	None.	None (printing will be automatically resumed).
Print files cannot be spooled due to insufficient computer disk capacity.	Printing Not Available status (Spool Error)	Open [My Computer] and right-click the disk in which the system is installed (e.g. Drive C). Select [Properties] from the displayed menu to check the free disk space.	Delete unnecessary files to secure the disk free space. Then, select [Pause] from the [Documents] menu of the [Printers] window to clear the pause status (resumes printing).

2. For WindowsNT 4.0, Windows2000, WindowsXP, and Windows Server 2003

When no printing is available or desired printing is not performed, follow the check procedures described below to take the corrective actions.

Table 9

Cause	Check Method	Corrective Action
Incorrect IP address is set.	Ask the Network Administrator to check if the IP address set in this machine is correct.	Set a correct IP address in the machine.
When the LPD spool is set for a memory spool, the print data size in a single print instruction sent from a computer exceeds the upper limit of receivable capacity.	Check the LPD spool memory capacity and compare it with the print data capacity that is tried to send in a single print instruction.	1. If the print data capacity exceeds the memory capacity upper limit, split the file into smaller sizes than the memory capacity upper limit and then send the print instruction. 2. If multiple print data capacities exceed the memory capacity upper limit, reduce the number of files to be sent for printing at the same time.
A failure that cannot be repaired has occurred during printing.	Check if an error is displayed on the Operation Panel display.	Turn the power OFF then ON. Wait for the display to light off and turn ON the power again.
The transport protocol that matches the computer is not selected.	Check the selected transport protocol.	Select the transport protocol that matches the computer.
The data type of the print data the machine tries to process is different from the data type of the print data sent from a computer.	-	Make settings so that Ctrl-D will not be output.
The specified printer language is different from the printer language of the print data.	Check the specified printer language and the printer language of the print data.	Specify the printer language that matches the printer language in the print data.
The printer driver attached to the machine is not used (a printer driver from other manufacturers is used).	Check if the printer driver that was provided with this machine has been selected.	Select the printer driver that was provided with this machine. If it is not found in the selection items, install and select the printer driver that was provided with this machine.

Precautions and Limitations

The following describes the precautions and limitations for TCP/IP (LPD).

Machine Settings

- IP addresses are managed in a whole system. Consult with the Network Administrator thoroughly before perform setting.
- Depending on the network environment, perform the subnet mask and gateway settings if necessary. Consult with the Network Administrator to set necessary settings.

- If a memory becomes insufficient when [Enabled] is set for the port status, the port status may be automatically reset to [Disabled]. In this case, [Disabled] an unused port or change the memory allocated capacity.
- Depending on the usage environment, set the receiving buffer capacity [lpd (Spool)] size.
When the receiving buffer capacity [lpd (Spool)] size is smaller than the sent data, the data may not be able to be received.

Computer Settings

- IP addresses are managed in a whole system. Consult with the Network Administrator thoroughly before perform setting.
- To perform network settings (such as IP address), etc. on the host used under NIS (Network Information Service) management, consult with the NIS Administrator.

At Power OFF

Before turning the machine OFF, take note of the following:

- When [Memory] is set for [lpd (Spool)]
All the print data including the data being printed that have been spooled in the machine memory will be deleted. When the power is turned ON again, no print data remains.
However, if the power is turned OFF immediately after print instruction, the print data may be stored on the computer. In this case, even if a new print instruction is issued after the power is turned ON, the stored print data will be printed first.
- When [Hard Disk] is set for [lpd (Spool)]
All the print data including the data being printed that have been spooled in the machine hard disk will be saved. When the power is turned ON again and a new print instruction is issued, the stored print data will be printed first.
- When [Do not spool] is set for [lpd (Spool)]
All the print data including the data being printed that have been spooled in the machine receiving buffer will be deleted. When the power is turned ON again, no print data remains.
However, if the power is turned OFF immediately after print instruction, the print data may be stored on the computer. In this case, even if a new print instruction is issued after the power is turned ON, the stored print data will be printed first.

At Printing

- When [Hard Disk] or [Memory] is set for [lpd (Spool)]
When the machine starts receiving print data and the print data size is larger than the HDD spool area or memory remaining capacity, the print data will not be received.

NOTE: If the print data exceeds the receiving capacity, some computers will resend data immediately. In this case, the computer looks like stopped. As a corrective action for this, abort sending the print data on the computer.

- When [Do not spool] is set for [lpd (Spool)]
When a print request is received from a computer, the print requests from other computers cannot be received.
- When a computer IP address or name has been changed

When a computer IP address or name has been changed, the inquiry and cancelation of processes from the main processor cannot be performed properly. Turn the machine OFF then ON when no print data is stored in the machine receiving buffer.

NOTE: The print cancelation/forced output processes of the print data stored in the machine receiving buffer can be operated from the machine Operation Panel. Refer to '11 Job Check' in 'User Guide' for more information on how to operate.

2.4.5.4 Check Flow at CenterWare Internet Services Failure

The following describes the situations and corrective actions when a failure occurs when 'CentreWare Internet Services' is used.

Table 10

Symptoms	Corrective Action
Cannot be connected to 'CentreWare Internet Services'.	Check that the machine is operating properly. Check that the machine is turned ON.
Same as above	Check that 'Internet Services' is activated. Print the 'System Settings List' for checking.
Same as above	Check that the Internet address has been entered properly. Check the Internet address again. If connection is not successful, enter the IP address and try connection.
Same as above	Check if a proxy server is used. Some proxy servers disable connection. When proxy server is not used, set the Web browser to 'Do not use proxy server' or set the used address to 'Do not use proxy server'.
[Wait for a while] appears and stays.	Wait for a while without any action. If the situation has not been changed, select the [Refresh] button. If the situation does not change after selecting the [Refresh] button, check if the machine is operating properly.
The [Refresh] button is not functioning. Or, even if a menu in the left frame is selected, the right frame cannot be refreshed.	Check that the specified Web browser is used. Refer to 'Communication (Port/Protocol) Setting Items in CentreWare Internet Services' in User Guide to check the used Web browser is supported.
The screen display collapses.	Change the Web browser window size.
The latest information is not displayed.	Select the [Refresh] button.
Selecting the [Apply new settings] button does not reflect settings.	Check that the entered values are correct. If invalid values have been entered, they are automatically changed to values within the limit range.
Same as above	Check that the machine is operating or has completed operation using the machine Operation Panel. If Auto Reset function is set, the settings in CentreWare Internet Services will not be applied until the specified time has passed. Wait for a while.

Table 10

Symptoms	Corrective Action
Selecting [Apply new settings] button displays a message such as [Invalid or unrecognizable response was returned from the server] or [No data found] on the Web browser.	1. Check if the password is correct. The password confirmation entry does not match. Enter a correct password. 2. Restart the machine.
Jobs cannot be deleted.	Wait for a while and then select the [Refresh] button.
Cannot enter Japanese characters.	Use Shift-JIS code. And do not use single-byte Katakana characters.
Cannot enter Kanji characters.	Kanji characters cannot be entered for the items displayed with '***'.

2.4.5.5 Check Flow at Scanner Failure

1. When a document is retrieved from a Mailbox
 - If [Save] is set for [Delete Document After Retrieval], multiple clients can access to the same document.
 - If [Delete] is set for [Delete Document After Retrieval], only 1 client can access to the same document. The document stored or read by a client cannot be viewed from the other clients. In both cases, documents can be added to the accessed Mailbox.
 - The documents that have been retrieved using CentreWare Internet Services will not be deleted regardless of the setting in [Delete Document After Retrieval].
2. Screen Display

When the document with a lot of colors is scanned, they cannot be displayed properly in the display mode that displays using fewer colors than the scanned colors. Use the display mode that allows displaying using more colors than the colors used in the image.
3. A network scanner driver and Mailbox Viewer 2 are used at the same time.

When a computer uses a network scanner driver and Mailbox Viewer 2 at the same time, the computer cannot connect to the printer.

When multiple computers use the network scanner drivers or Mailbox Viewer 2 to retrieve documents from the same machine at the same time, up to 3 computers can be connected.
4. When the documents stored in Mailbox is printed

When stored documents are to be printed (the documents are to be retrieved) by selecting [Mailbox] from the machine touch panel display, scanned documents cannot be printed.
5. When a TIFF file is used

The TIFF files that have been created using CentreWare Scan Services or Mailbox Viewer 2 are compressed using the MMR, MH, JBIG, or JPEG compression method. To open a TIFF file, use the application software applicable for those compression methods.

NOTE: JBIG compressed TIFF files cannot be created in Mailbox Viewer 2.
6. Restrictions on Scan Capacity and No. of Sheets

The maximum read capacity for a page is 297x432mm. A3 or 11x17' for the standard size

The Mailbox method allows up to 999 sheets to be read in a single scan operation.

2.4.5.6 Check Flow at Mail Failure

Corrective Action

The following describes the corrective actions for troubles when Mail Notice Service, Print E-mail, or Scanner (Send E-mail) is used.

Table 11

Symptoms	Corrective Action
Cannot receive mails (Print E-mail)	<ol style="list-style-type: none">1. Check that the machine mail address has been set.2. Check that [Receive E-mail] is set to [Enabled].3. Check that the SMTP server IP address and the POP3 server IP address (when POP3 is selected for receiving protocol), etc. are set properly.4. Check that the POP user name and password are set properly.5. Check that [Domain List] has been set. Check that the user's domain is included in the receive-allowed domains using CentreWare Internet Services.6. Check that the SMTP and POP servers are operating properly. Check with the Network Administrator.
Mails cannot be sent (Mail Notice, Scanner (Send E-mail))	<ol style="list-style-type: none">1. Check that the machine mail address has been set.2. Check that [Mail Notice Service] is set to [Enabled]. (For mail notice)3. Check that [Send E-mail] is set to [Enabled].4. Check that the SMTP server IP address etc. is set properly.5. Check that the notification items to be sent have been set correctly. (For Mail Notice) Check settings from the CentreWare Internet Services Properties screen.6. Check that the send destination mail address has been entered properly.7. Check that the SMTP server is operating properly. Check with the Network Administrator.

2.5.1 Logging/Extraction Tools Functional Instructions

This tool refers to the software 'Logging/Extraction Tool.exe' or [copanda.exe] run from a PC.

1. Collect the log information of the target machine. (It is also possible to collect data periodically for every xx minutes)

Use the functions 1) and 2) of this tool described above to collect logs at the site where a failure has occurred.

2.5.2 Logging/Extraction Tools Operational Instructions

Tools required for collecting logs

There are 2 types of Collecting log tools below:

- DMP6 and before version: Logging/Extraction Tool. exe -> Refer to 2.5.3
- DMP Yokohama and later: CoPAnDA2_e.exe -> Refer to 2.5.4

2.5.3 Collecting log by using [Logging/Extraction Tool. exe]

1. PC running on WindowsNT 4.0, Windows2000, or WindowsXP
2. A UTP cable is required to connect the printer and a PC.

When collecting the logs of the errors that have occurred in the past

- UTP Cable Category 5 Cross Cable
(Reference: TOOLNo:499T7773, 1m is also available.)

The machine conditions for collecting logs

1. HDD must be installed.
2. IP Address must be allocated.
3. CentreWare Internet Service must be activated.

Logging Procedure

When the machine is in processing status and does not accept any operations from the Panel UI, log information is not saved in the HDD. Therefore, the following procedures must be performed without turning the machine power OFF then ON. However, in this case, it is necessary to output the System Settings List and check the items in Step 1 in advance.

Also, depending on the failure condition, the CWIS itself may be stopped. In this case, logs cannot be collected. You can check if the CWIS is active by checking if the CWIS screen (URL:http://Printer IP Address/) can be displayed on the browser.

Procedure

1. Print the 'Printer Settings List' and confirm the following:
 - The HDD is installed.
 - An IP Address was set.
 - The CWIS is activated.
2. Disconnect the Ethernet cable that is connected to the main processor.
3. Change the client IP address so that it can communicate with the printer via TCP/IP.
Change an IP address to the one with the same network number as the IP address of the main processor that collects logs.
(E.g.) When the main processor IP address is set to 192.168.1.100 and its subnet mask is set to 255.255.255.0, change the address to 192.168.1.xxx (such as 101, not 100).
And set the main processor IP address if the machine is set for DHCP. Change an IP address to the one with the same network number as the IP address of the client that collects logs.
4. Connect the PC and the main processor with the UTP cross-cable.
5. After the PC has been started, click 'MS-DOS Prompt' from the 'Programs' menu in the 'Start' menu.
(For Windows(R)NT/2000, after the PC has been started, click 'Command Prompt' from 'Accessories' under 'Programs' in the 'Start' menu.)
Execute 'PING IP Address' and check if the network connection is working properly.
(E.g.) C:\ping 192.168.1.100 (IP address of the main processor)
6. Activate the logging tool. (Figure 1)
The following window appears.



j0tz2099

Figure 1 j0tz2099

7. Enter the 'IP address' of the main processor in the target IP address column and the M/C No. of the main processor in the M/C column, then click '(1) Save Dir renew'.
8. The file storing column is updated and the directory in which logs will be stored is determined.
9. Select [Redir or xxx.tgz] or [info9 or xxx.tgz] from the collection column and click '(2) Collecting Start/Stop'.
Redir or xxx.tgz: Retrieves 20 files. This is the item that will be retrieved mainly at visit.
info9 or xxx.tgz: Retrieves 1 file. This is the item to be retrieved when the trouble occurs again.
10. The directory that has been determined in Step 9 is opened, in which the collected logs are stored.
11. After collecting the logs, click [Cancel/Exit] to exit the logging tool.
12. If the main processor/client IP address has been changed, restore it to the original value.
13. Connect the Ethernet cable that is connected to the main processor.
14. Print the collected logs and reports and send them to Support G.
 - Failure Conditions
 - Service Log
 - System Settings List
 - Job History Report
 - Error History Report
 - Log file that has been collected this time

2.5.4 Collecting Logs by using [CoPanDA2_e.exe]

1. Outline

CoPanDA2 is the Log Collection Tool that operates on a PSW (PC).

The function of collecting a batch of information about failures by using CoPanDA2 is capable of collecting not only ESS-related logs as so far, but also IIT/IOT-related logs, electronic reports, and logs of system data automatically rewritten through the software update service.

2. Required tools

- A PSW (PC) operating under Windows XP
- UTP Cable Category 5 Cross Cable (to connect the device and the PSW)

NOTE: TOOL No. 499T7774 (1m long) is also available.

3. Obtaining the Log Collection Tool

Download 'Log Collection & Extraction Tool CoPanDA2' (zip file) from Maintenance Tool Download on the Firmware Download Services page for CEs. Unzip the file into any folder.

- FX : <http://download.tsc.ksp.fujixerox.co.jp/>
- APO/GCO : TBD

4. Device requirements for log collection

- HDD must be installed.
- IP Address must be assigned.
- The device must not go into Power Save Mode (low power/sleep).
- CentreWare Internet Services (referred to as CWIS hereafter) must be active.

NOTE: The HDD has an area of 500MB for log storage.

5. The procedure for acquiring logs

- (1) On the [Job Status] screen check that there is no job that is in progress or in queue and that the device is not in UI Diag (CE) Mode*.

NOTE: *No job log can be collected when the device is in UI Diag (CE) Mode.

- (2) Output a configuration report and check the following:

- HDD is installed.
- IP Address is set.
- CWIS is active.

- (3) Remove the Network Cable and the FAX Line Cable.

- (4) For the machine with EP (EP-DX/EP-BB, etc.), change the NVM as below:

Chain-Link(700-355): 3->0

CAUTION

If there is a need to obtain the log without rebooting the machine, do not change any NVM even if the machine comes installed with EP-DX. (The machine is forced to reboot after any change in VNMs)

- (5) Change the IP Address of the PSW so that its network number will be the same as that of the device from which logs will be collected.

NOTE:

When Device IP Address is 192.168.1.100 and Subnet Mask is 255.255.255.0, change the PSW IP Address to 192.168.1.xxx (other than 100).

- (6) Connect the PSW to the device with the UTP Cross Cable.
- (7) Start the PSW and execute the ping command at command prompt* to check that the PSW and the device can communicate with each other.

NOTE:

C:\ping 192.168.1.100 (Device IP Address)

*On the PSW, select 'Start Menu' > 'Programs' > 'Accessories' > 'Command Prompt'.

- (8) Write down the current Device Power Save Timer settings* and change them in both Low Power and Sleep modes to 10 minutes or more.

NOTE:

*In the System Administrator mode of the device, select 'System Settings' > 'Common Settings' > 'System Clock/Timer Setting' > 'Power Save Timer' and change the settings.

- (9) Double-click 'copanda2_e.exe' to start the tool.*1

After the tool has started, set the device IP Address. As required, set CWIS Port No., select log options and specify a folder to save logs in*2.

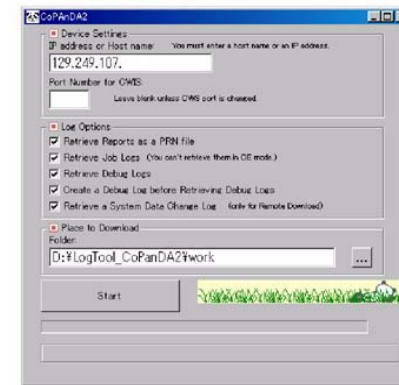
NOTE:

*1 If unable to start the tool, refer to '6. Procedure When Error Occurs' to resolve the problem.

*2 If a secure PC is used, be sure to specify a writable folder.

CAUTION

Report collection and job log collection involve the customer's confidential information and personal information. Before collecting logs by using this function, be sure to obtain the customer's consent.



j0rk41817

Figure 1 j0rk41817

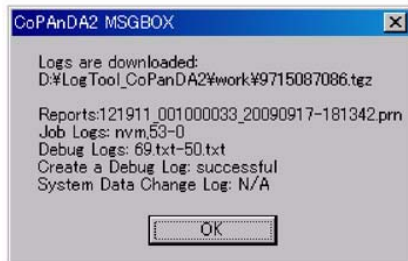
Table 1

Log Option	Description
Report Collection	Collects various reports such as a configuration report.

Table 1

Log Option	Description
Job Log Collection	Collects logs of results of executed jobs. A machine with HDD keeps 15,000 job logs there. When the number of job logs exceeds 15,000, the earliest one will be deleted.
Debug Log Collection	Collects debug logs that were automatically saved on HDD at occurrences of system failures. The HDD saves 20 debug logs at max. When the number of debug logs exceeds 20, the earliest one will be deleted.
Debug Log Generation before Debug Log Collection	Generates a debug log based on the current device information and then writes it onto HDD.
Rewritten System Data Log Collection	Collects logs of system data (Chain-Link) automatically rewritten at updates of firmware through EP-BB.

- (10) Press down the 'Start acquiring logs' button.
- (11) When acquiring the logs is complete, there appear the name of the file where the logs are saved, and the acquisition results. Check that the logs are acquired properly.
If log acquisition has failed or the targeted log does not exist, the Result box displays 'fail'.



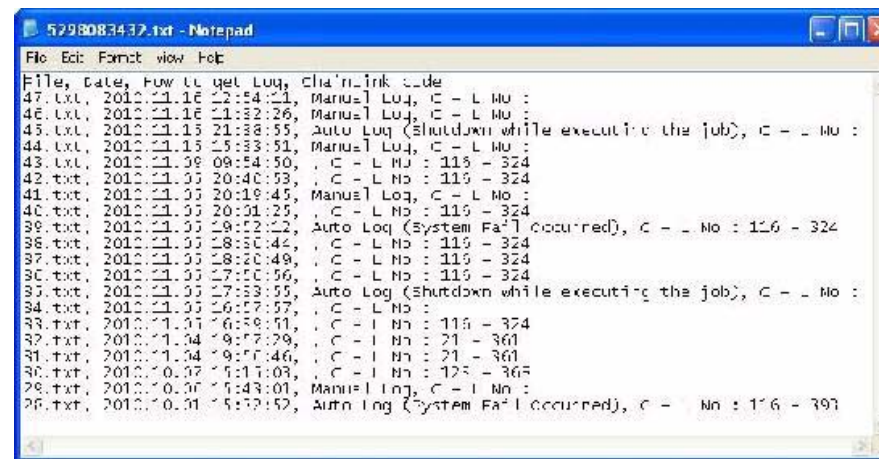
j0rk41818

Figure 2 j0rk41818

- (12) Press down the [X] button at the upper right of the tool to finish it.
- (13) Return the Device Power Save Timer settings (low power/sleep) to their original values.
- (14) Return the device IP Address and the PSW IP Address to their original values.
- (15) Restore the following NVM back to its previous value if it was changed in Step (4).
Chain-Link (700-355): 0->3
- (16) Reconnect the cables to the device.
- (17) Check the collection result for the collected log file.
A text file which can be used to check the result is created in the same folder where the log file is stored.

Check the creation date, Chain-Link No., and etc. and make sure that you have managed to obtain the required logs.

- Sample result



j0au25401

Figure 3 j0au25401

- Main types and contents of the 'Type' item (the reason the log was generated)

Table 2

Type	Contents
Manual Log	<ul style="list-style-type: none"> • 'Generate Debug Log Before Obtaining Debug Log' was performed at CoPanDA2. • Debug Log was generated by pressing the GL-Z button.
Auto Log (System Fail Occurred)	A system error has occurred.
Auto Log (Shutdown while executing the job)	These are automatically generated due to other state transition.
Auto Log (Shutdown No Ack task exists)	

- (18) Escalate the status by attaching the collected log files to the following reports. Also, as required, obtain other reports such as a FAX activity report*.

- Machine History
- Error History Report
- Job History Report*
- Configuration Report*

NOTE: *These are the customer fs confidential information and personal information.

6. Procedure When Error Occurs

For some PSW, the following errors can be checked when activating the tool (CoPanDA2_e.exe).



Figure 4 j0au25402

j0au2540

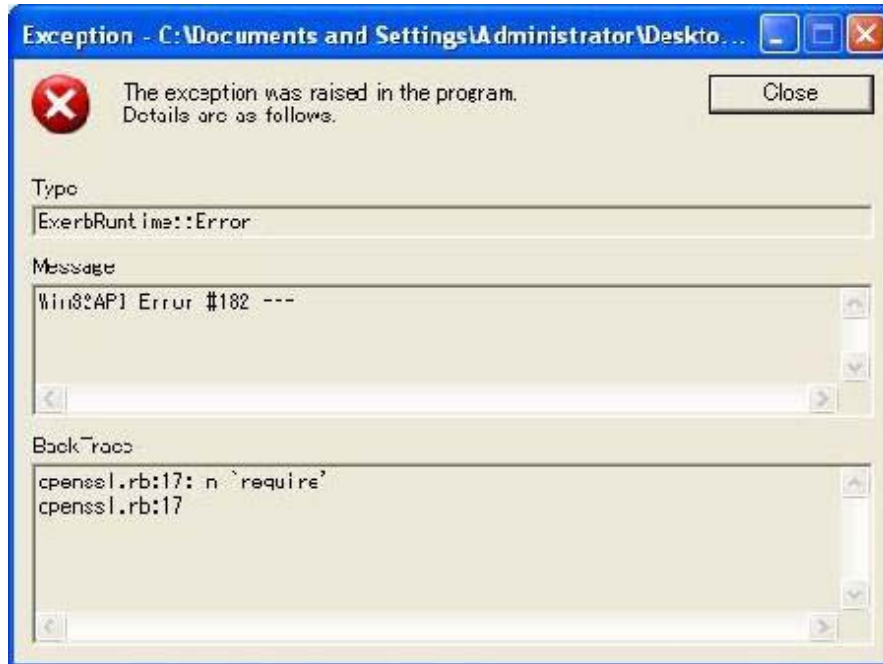


Figure 5 j0au25403

j0au25403

If the above error had occurred, run the 'SafeDllSearchMode.reg' that was extracted together with the tool (CoPANDA2_e.exe), and then run CoPANDA2 again.

How to Run

- (1) Double click 'SafeDllSearchMode.reg' that can be found in the same folder as CoPANDA2_e.exe.
- (2) When the following dialog box appears, click [Yes].

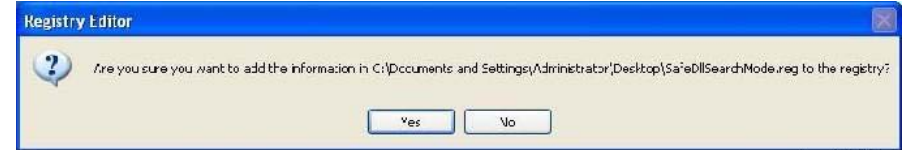


Figure 6 j0au25404

j0au25404

- (3) Click [OK].

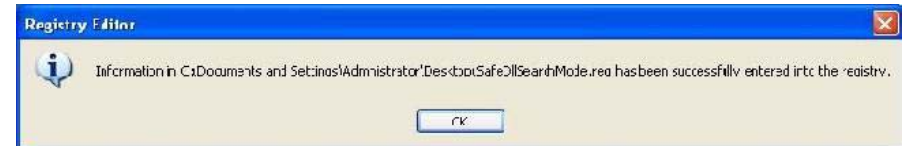


Figure 7 j0au25405

j0au25405

Reference Information

The SafeDllSearchMode.reg adds and/or modifies values in the registry. As the registry is returned to its original state whenever the PSW is restarted in Deep Freeze environment, it is necessary to run SafeDllSearchMode.reg before activating the tool (CoPANDA2_e.exe).

(If the SafeDllSearchMode.reg is run with the Deep Freeze canceled, the values will not be reset even after a restart)

7. Precautions and restrictions

- When the device is in UI Diag (CE) Mode, no job log can be acquired.
- As to the machine with EP (EP-DX/EP-BB, etc.), after the value in the NVM (Chain-Link No. 700-355) is changed, it becomes possible to acquire a log of IIT/IOT. After acquiring a log, be sure to return the NVM to its former value. Otherwise, EP Alert may not be properly issued.
- When the device is in Power Save Mode, logs may not be acquired. Before starting log acquisition, be sure to clear Power Save.
- Operating another window during debug log creation makes the progress bar inoperative. However, it is internally operating, so wait until the log acquisition is complete.
- The default folder set up in the log destination is the WORK folder under another folder that contains CoPANDA2. If a folder is specified that does not exist in the log destination, log files will be saved into the default folder.
- Logs of rewritten system data are deleted after reports are collected. Therefore, if a series of log collections are carried out, no log of rewritten system data can be acquired at the second collection and afterward.

2.6.1 Software Download

Follow '4.3 Adjustment: Upgrade Main Processor Firmware' in Service Manual to upgrade the Controller software to the latest version.

2.7.1 List of Collected Reports by Job

There are 2 types of Collecting report method.

[Collecting report by using [Logging/Extraction Tool. exe]]

1. At Copying
 - System Settings List
 - Job History Report
 - Error History Report
 - Fail Counter Report (CE)
 - Shutdown History Report (CE)
 - Debug Report (CE)
2. At Printing

NOTE: Depending on the printer, some lists cannot be retrieved. There is no need to retrieve the lists that cannot be retrieved.

The meanings of the numbers shown in the following table are as follows:

Table 1

	Name
1	Common
2	ART EX
3	PCL
4	PostScript
5	HP-GL/2
6	TIFF
7	ART IV
8	ESC/P
9	PR201H
10	PDF Bridge
11	Media Print

Table 2

Report Name	1	2	3	4	5	6	7	8	9	10	11
Receive Domain Restriction List	Yes										
Registered Address Dial List											
Mailbox Registration List											
Box Selector List											
Secured Receive Report											
Job Flow Error Report											
Font List	Yes										
ART EX Form Registration List		Yes									
PCL Settings List			Yes								
PCL Form Registration List			Yes								
PostScript Font List				Yes							
PostScript Logical Printer Registration List				Yes							
PDF Settings List				Yes						Yes	
HP-GL/2 Settings List					Yes						
HP-GL/2 Logical Printer/Memory Registration List					Yes						
HP-GL/2 Pallet List					Yes						
TIFF Settings List						Yes					
TIFF Logical Printer Registration List						Yes					
ART IV, ESC/P User Defined List							Yes	Yes	Yes		
ESC/P Settings List								Yes			
ESC/P Logical Printer/Memory Registration List								Yes			
PC-PR201H Settings List										Yes	
PC-PR201H Logical Printer/Memory Registration List										Yes	
Media Print Settings List											Yes

NOTE: Obtain only at System Fail.

3. At Scan/Fax/Internet Fax

Table 2

Report Name	1	2	3	4	5	6	7	8	9	10	11
System Settings List	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Extended Features Settings List											
Job History Report	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Error History Report	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fail Counter Report (CE) (Note)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Shutdown History Report (CE)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Debug Report (CE)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Stored Document List	Yes										

NOTE: Depending on the printer, some lists cannot be retrieved. There is no need to retrieve the lists that cannot be retrieved.

CAUTION

The lists below may contain important customer data of the customer. For such lists, ensure to check with the customer before taking them back to the company.

Also, contact Support G for confirmation. Never decide what to do by yourself.

Table 3

	Fax	Scan	Internet Fax
Extended Features Settings List	Yes	Yes	Yes
Job History Report	Yes	Yes	Yes
Error History Report	Yes	Yes	Yes
Fail Counter Report (CE) (Note)	Yes	Yes	Yes
Shutdown History Report (CE)	Yes	Yes	Yes
Debug Report (CE)	Yes	Yes	Yes
Stored Document List	Yes		Yes
Receive Domain Restriction List			Yes
Registered Address Dial List	Yes	Yes	Yes
Mailbox Registration List	Yes	Yes	Yes
Box Selector List	Yes		
Secured Receive Report	Yes		Yes
Job Flow Error Report	Yes	Yes	Yes
Activity Report	Yes		
Unsend Report	Yes		
Broadcast Report	Yes		
Relay Broadcast Report	Yes		
Protocol Monitor (CE)	Yes		
Transmission Report	Yes		
Job Template List		Yes	
Internet Fax Monitor Kit			Yes
Internet Fax Unsend Report			Yes

NOTE: Obtain only at System Fail.

Collecting Report by using [copanda.exe].

Report information described below is collected as one file.

But gathered information are depends on MC model, configuration and Option installed or not.

NOTE: Since log data that are collected by using this function correspond to customer's classified information and personal data, be sure to obtain approval from a customer when using this function.
The following data are targeted when this function is used.

Table 4

No	Type	Remarks
1	ESS Log	Same as conventional machines
2	IIS Log	Add from DMPYokohama
3	IOT Log	Add from DMPYokohama
4	Job Log*	Add from DMPYokohama

Table 4

No	Type	Remarks
5	Report* <ul style="list-style-type: none"> • Printer settings list • Job history report • Error history report • HFSI counter report (CE) • Jam counter report (CE) • Fail counter report (CE) • Shutdown history report (CE) • Debug log report (CE) • Stored document list • Receive domain restriction list • Extended function setting list • Registered destination list • Mailbox registration list • Box selector list • Counter report by function • Total count report by job • Total count management report for copy • Total count report for printer • Font list • ART EX form registration list • PCL setting list • PCL macro registration list • PostScript logical printer registration list • PDF setting list • HP-GL/2 setting list • HP-GL/2 logical printer/memory registration list • PC-PR201H setting list • PC-PR201H logical printer/memory registration list • Total count management report for printer • Comment registration list • Total count management report for fax • Job template list • Total count management report for scan 	Collectable as data from DMPYokohama

* Customer's classified information and personal data

Chapter 3 Image Quality Troubleshooting

3 Image Quality Troubleshooting

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3.1.1 Contents of Chapter 3

1. Chapter 3 Image Quality Troubleshooting is composed of the following sections.
 - Introduction
 - IOT-related Image Quality Troubleshooting
 - IPS-related Image Quality Troubleshooting
 - NG image samples (IDS)
2. The IOT-related Image Quality Troubleshooting section describes the causes of image quality failures that are related to the IOT and the troubleshooting procedure for them. NG Image Samples will be included when they are available.
3. The IPS-related Image Quality Troubleshooting section describes items with IPS related bad image quality, the reason for that bad image quality and the procedure for repairing the problems. NG Image Samples are indicated, if available.
4. The samples of image quality failure (NG samples) described in [NG Image Samples (IDS)] are mock samples printed after intentionally disabling the outputs and functions of the parts. The degree of failure may differ due to different output levels of the parts.

3.1.2 Using Image Quality Troubleshooting

Perform the following procedure to check the fault sample that is obtained during visit or the one that is provided by the customer and proceed with the appropriate image quality FIP.

1. Compare the NG samples with 'NG Image Samples' in this chapter to determine the problem, then perform the repairing procedure addressing the reason for the image quality failure.
2. When the problem cannot be determined or there was no corresponding NG sample in 1 above, proceed with the appropriate image quality FIP to repair the problem.

3.2.1 IOT Image Quality Entry FIP

This section describes the IQ-FIP that correspond to the IOT-related Image Quality Troubleshooting. When an IOT-related image quality failure has occurred, refer to the corresponding IQ-FIP and perform the troubleshooting procedure.

IQ-1 IOT Image Quality Entry FIP

How to use Image Quality Troubleshooting

Perform the following procedure to check the NG samples obtained during the service call or from the customer and proceed to the applicable IQ-FIP.

1. Compare the NG samples with [NG Image Samples] in this chapter to determine the problem, then check the parts that may be the cause of the image quality failure.
2. When the problem cannot be determined or there was no corresponding NG sample in 1 above, proceed to the corresponding FIP below to repair the problem.
3. The IQ-3 to IQ-20 FIP describe procedures for when the parts inside the machine that are affecting the image are presumed to be not working at all. As electrical parts affect the image quality differently depending on their output level, perform the analysis while taking into consideration that the actual output image quality could differ from the sample image in the various FIP. Furthermore, if an item in the procedure instructed the replacement of a parts that could have caused the problem but the problem persists, reinstall the original parts and look for other possible causes. We also recommend that you refer to [6.3.5.2 Image Information Flow] and output the various Test Patterns to isolate the problem.

Table 1

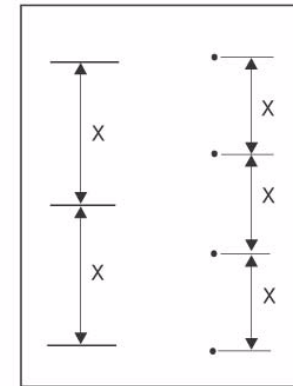
Image Quality Problem	Symptoms	FIP
Periodical spots, streaks, bands, and etc.	Spots, streaks, or bands appear on the image at a regular pitch.	IQ-2
Overall light printing	Every color on the image is equally light in density.	IQ-3
A particular color is light	Only a particular color on the image is light in density.	IQ-4
All white	Paper is printed completely white.	IQ-5
Solid black	Paper is printed completely black.	IQ-6
Solid color	Paper is completely printed in a particular color.	IQ-7
Vertical blank areas	There are extremely light or completely white parts on the image. These parts appear vertically over an extensive area in the process direction.	IQ-8
Vertical off-color areas	Extremely light parts of a particular color appear vertically over an extensive area on the image in the process direction.	IQ-9
Horizontal blank areas	There are extremely light or completely white parts on the image. These parts with no image appear horizontally over an extensive area perpendicular to the process direction.	IQ-10
Horizontal off-color areas	Extremely light parts of a particular color appear horizontally over an extensive area perpendicular to the process direction on the image.	IQ-11
Vertical streaks (irregular)	Black lines or streaks of a particular color running in the vertical direction of the paper.	IQ-12
Horizontal streaks (irregular)	Black lines or streaks of a particular color running in the horizontal direction of the paper.	IQ-13

Table 1

Image Quality Problem	Symptoms	FIP
Partial image omission	There are extremely light parts on the image or parts that are completely omitted. These omitted parts appear on limited areas on the paper.	IQ-14
Spots	Black toner spots or toner spots of a particular color are scattered randomly across the entire page.	IQ-15
Ghost Image	Ghost images appear on the paper. A previously printed image gets printed onto the subsequent sheet of paper, or part of the printed image was transferred repeatedly.	IQ-16
Background	The entire page or part thereof is covered by a very light layer of black toner or toner of a particular color.	IQ-17
Skew	Printed images are not parallel to the edges of the paper.	IQ-18
Paper crease	The printed paper is creased, folded or torn.	IQ-19
Unfused image	Printed images are not properly fused onto the paper. When rubbed, the image comes off easily.	IQ-20

IQ-2 FIP for periodical spots, streaks, bands, and etc.

Spots, streaks, or bands appear on the image at a regular pitch. (Figure 1)



j0tz3019

Figure 1 j0tz3019

Cause/Action

1. Measure the distance of the periodical pitches (marked 'X' above). Compare the measured value 'X' with the value in the following table to select the corresponding parts.

Table 1

No.	X (mm)	Parts Name
1	1	Deve Assy/Deve Drive/Xero/ROS system check
2	1.44	ROS (K only)
3	2	Deve Assy/Deve Drive system check
4	6	Deve Assy/Deve Drive/Xero/IBT system check
5	44	BCR (K Drum)
6	36	Deve Roller for each color
7	36 (Horizontal streaks)	Deve/Drive system check
8	58	1st BTR for each color
9	62.8	Backup Roll
10	88	2nd BTR
11	98	Fusing Belt
12	110	Heat Roll
13	126	Y/M/C Drum
14	188	Black Drum

2. Check the corresponding parts from the following perspectives.

Table 2

No.	Check	Action
1	Is there any foreign substances stuck to the surface of the parts?	Remove the foreign substances.
2	Is the surface of the parts dented or deformed?	Replace the parts if it cannot be repaired.
3	Is the parts swapped with that of another color?	If yes, replace it with the correct parts.
4	The problem cannot be determined visually.	If the problem persists after making replacement, reinstall the original parts and look for other possible causes.

Action for 1.44 mm white streaks/black streaks (K color, 200 C screen)

[Cause of white streaks]

The interference between the ripple of 0.18 mm pitch cycle in 1 ROS scan and the screen cycle of K color 200 C could generate black streaks/white streaks (banding) with 1.44 mm pitch. As changing the screen (to 150 C, etc.) also changes the occurrence cycle, this enables identification.

[Corrective action]

Changing the value of the following NVMs could mitigate the problem.

- Other than 51 ppm (70 ppm/35 ppm)

Table 3

Beam No.	NVM	Default Value	+1	+2	+3	+4
Ch0	757-193	3	2	2	1	1
Ch16	757-225	3	3	2	2	1

- 51 ppm

Table 4

Beam No.	NVM	Default Value	+1	+2	+3	+4
Ch0	757-449	3	2	2	1	1
Ch16	757-481	3	3	2	2	1

If changing the values of the above NVMs does not mitigate the problem, return the NVMs to their default values and disconnect then reconnect the connector of the ROS Assembly (C, K).

If there is no improvement, replace the ROS Assembly (C, K) (PL 2.1).

NOTE: When it is hard to differentiate visually, change the NVM value and determine the extent at which it will change. If changing the value does not result in any change, replace the relevant ROS Assembly.

IQ-3 FIP for overall light printing

Every color on the image is equally light in density.

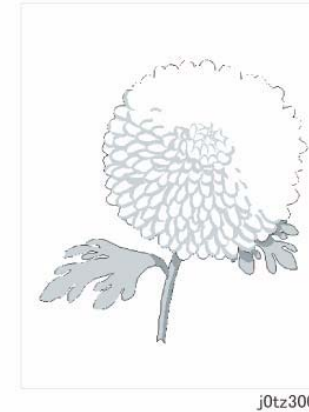


Figure 1 j0tz3001

Cause/Action

1. Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check each connector of the IIT PWB for poor contact. If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
2. Perform MAX Setup (ADJ 18.1.7).
3. Remove and reinstall the IBT Module. After installing, turn the power OFF and ON.
4. Check each connector of HVPS PR12 for poor contact.
5. Check the surface of 2nd BTR for contamination, damage, and etc. (PL 6.9)
6. Replace with a new IBT Belt. (PL 6.3)
7. Check the 2nd BTR CAM mechanism.
8. If the problem persists, replace the HVPS PR12 (PL 18.4), followed by the MCU PWB (PL 18.2).

IQ-4 FIP when a particular color is light

Every color on the image is equally light in density.



Figure 1 j0tz3002

Cause/Action

1. Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check each connector of the IIT PWB for poor contact. If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
2. Check the Toner Cartridge of the applicable color for remaining toner.
3. Check the operation of Toner Dispense Motor for the applicable color.
4. Perform MAX Setup (ADJ 18.1.7).
5. Remove and reinstall the IBT Module. After installing, turn the power OFF and ON.
6. Swap the 1st BTR Roll of the applicable color with the 1st BTR Roll of another color and perform the check.
 - If the color that is light changes, replace that 1st BTR Roll. (PL 6.4)
 - If the color that is light does not change, proceed with the next step.
7. Check the Developer Housing Kit Mag Roll of the applicable color for any foreign substances stuck to it.
8. Check the installation state of the Developer Housing Kit.
9. Replace the Drum Cartridge of the applicable color. (PL 8.1)
10. If the problem persists, replace the following parts in sequence:
 - HVPS S4 (PL 18.3) or HVPS CD01 (PL 18.2)
 - MCU PWB (PL 18.2)

IQ-5 FIP for blank print

Paper is printed completely white.

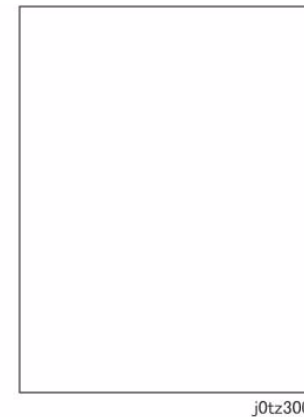


Figure 1 j0tz3003

Cause/Action

1. Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check the following.
 - The connection between the IIT and the IOT for open circuit, short circuit, and poor contact
 - The mirror in the carriage mechanism for improper installation.
 If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
2. Print a page that is entirely black. During the print cycle, turn OFF the power after the feeding sound is heard (force to stop the print that is in progress) and check the surface of the IBT Belt.
 - If the toner density on the IBT Belt surface is sufficient, go to step 3.
 - If the toner density on the IBT Belt surface is lacking, check the following.
 - The connection between the MCU PWB and the ROS Unit for open circuit, short circuit, and poor contact.
 - Each ROS Unit for improper installation.
 If no problem is found, replace the ROS Assembly (PL 2.1), followed by the MCU PWB (PL 18.2).
3. Check each connector of HVPS PR12 for poor contact.
4. Check the 2nd BTR CAM mechanism.
5. If the problem persists, replace the HVPS PR12 (PL 18.4), followed by the MCU PWB (PL 18.2).

IQ-6 FIP for solid black print

Paper is printed completely black.

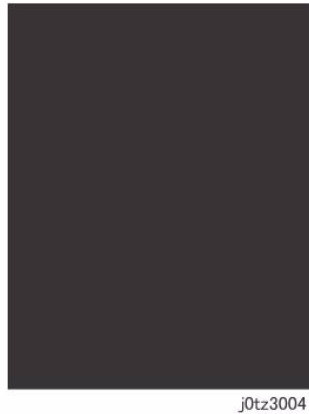


Figure 1 j0tz3004

Cause/Action

1. Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check the following.
 - The connection between the IIT and the IOT for open circuit, short circuit, and poor contact
 - The mirror in the carriage mechanism for improper installation.If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
2. Remove and reinstall each Drum Cartridge.
3. Replace each Drum Cartridge with new Drum Cartridge. (PL 8.1)
4. Check each connector of HVPS CD02, HVPS S4, and HVPS CD01 for poor contact.
5. Check each connector of ROS Assembly (C, K) and ROS Assembly (Y, M) for poor contact.
6. If the problem persists, replace the MCU PWB (PL 18.2) followed by the ESS PWB (PL 35.2).

IQ-7 FIP for solid color print

Paper is completely printed in a particular color.



Figure 1 j0tz3005

Cause/Action

1. Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check each connector of the IIT PWB for poor contact. If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
2. Replace the Drum Cartridge of the applicable color with new Drum Cartridge. (PL 8.1)
3. Check each connector of HVPS CD02, HVPS S4, and HVPS CD01 for poor contact.
4. Check each connector of ROS Assembly (C, K) and ROS Assembly (Y, M) for poor contact.
5. If the problem persists, replace the MCU PWB (PL 18.2) followed by the ESS PWB (PL 35.2).

IQ-8 FIP for vertical blank areas

There are extremely light or completely white parts on the image. These parts appear vertically over an extensive area in the process direction.

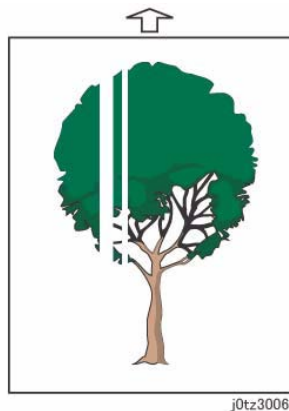


Figure 1 j0tz3006

Cause/Action

- Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check the following.
 - Each connector of IIT PWB for poor contact.
 - The mirror in the carriage mechanism for improper installation and any foreign substances stuck to it.
 If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
- Print a page that is entirely black. During the print cycle, turn OFF the power after the feeding sound is heard (force to stop the print that is in progress) and check the surface of the IBT Belt.
 - If there is no missing image on the IBT Belt surface, go to step 3.
 - If there is missing image on the IBT Belt surface, check the IBT Belt surface for deformation and any foreign substances stuck to it.
 - If no problem is found, replace the MCU PWB (PL 18.2), followed by the ESS PWB (PL 35.2).
- Check the surface of 2nd BTR Roll for contamination, damage, and etc. (PL 6.9)
- Check each connector of HVPS PR12 for poor contact.
- Check the 2nd BTR CAM mechanism.
- If the problem persists, replace the HVPS PR12 (PL 18.4), followed by the MCU PWB (PL 18.2), and the ESS PWB (PL 35.2).

IQ-9 FIP for vertical off-color areas

Extremely light parts of a particular color appear vertically over an extensive area on the image in the process direction.

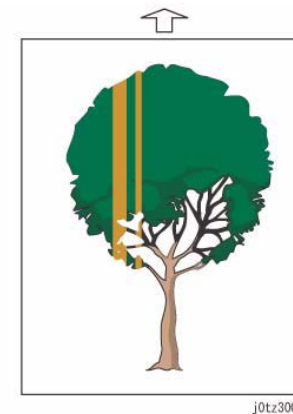


Figure 1 j0tz3007

Cause/Action

- Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check the following.
 - Each connector of IIT PWB for poor contact.
 - The mirror in the carriage mechanism for improper installation.
 If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
- If the problem occurs in BW Copy/Print mode, check the Charge Scorotron of Drum Cartridge (K) (PL 8.1) for contamination. (There is no need to remove the CC)
 - Go to [System Settings], enter the [Maintenance] screen and select to perform [Clean Charge Corotron].
- Print a page that is entirely black. During the print cycle, turn OFF the power after the feeding sound is heard (force to stop the print that is in progress) and check the surface of the IBT Belt.
 - If there is no problem with the image on the IBT Belt surface, go to step 4.
 - If there is a problem with the image on the IBT Belt surface, check the IBT Belt surface for deformation and any foreign substances stuck to it.
 - If no problem is found, replace the MCU PWB (PL 18.2), followed by the ESS PWB (PL 35.2).
- Check the Developer Housing Kit Mag Roll of the applicable color for any foreign substances stuck to it.
- Check the installation state of the Developer Housing Kit for the applicable color.
- Check each connector of HVPS PR12 for poor contact.

7. Check the 2nd BTR CAM mechanism.
8. If the problem persists, replace the HVPS PR12 (PL 18.4), followed by the MCU PWB (PL 18.2), and the ESS PWB (PL 35.2).

IQ-10 FIP for horizontal blank areas

There are extremely light or completely white parts on the image. These parts with no image appear horizontally over an extensive area perpendicular to the process direction.

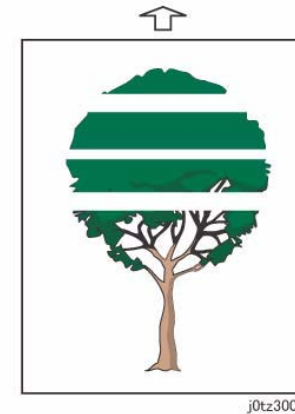


Figure 1 j0tz3008

Cause/Action

1. Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check the following.
 - Each connector of IIT PWB for poor contact.
 - The mirror in the carriage mechanism for improper installation.
 If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
2. Print a page that is entirely black. During the print cycle, turn OFF the power after the feeding sound is heard (force to stop the print that is in progress) and check the surface of the IBT Belt.
 - If there is no missing image on the IBT Belt surface, go to step 3.
 - If there is missing image on the IBT Belt surface, check the IBT Belt surface for deformation and any foreign substances stuck to it.
 - If no problem is found, replace the MCU PWB (PL 18.2), followed by the ESS PWB (PL 35.2).
3. Check the surface of 2nd BTR Roll for contamination, damage, and etc. (PL 6.9)
4. Check each connector of HVPS PR12 for poor contact.
5. Check the 2nd BTR CAM mechanism.
6. If the problem persists, replace the HVPS PR12 (PL 18.4), followed by the MCU PWB (PL 18.2), and the ESS PWB (PL 35.2).

IQ-11 FIP for horizontal off-color areas

Extremely light parts of a particular color appear horizontally over an extensive area perpendicular to the process direction on the image.

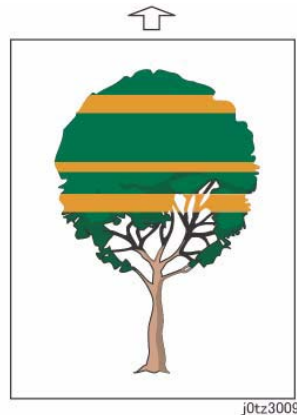


Figure 1 j0tz3009

Cause/Action

- Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check each connector of the IIT PWB for poor contact. If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
- Print a page that is entirely black. During the print cycle, turn OFF the power after the feeding sound is heard (force to stop the print that is in progress) and check the surface of the IBT Belt.
 - If there is no problem with the image on the IBT Belt surface, go to step 3.
 - If there is a problem with the image on the IBT Belt surface, check the IBT Belt surface for deformation and any foreign substances stuck to it. If no problem is found, replace the MCU PWB (PL 18.2), followed by the ESS PWB (PL 35.2).
- Check the Developer Housing Kit Mag Roll of the applicable color for any foreign substances stuck to it.
- Check the installation state of the Developer Housing Kit for the applicable color.
- Check each connector of HVPS PR12 for poor contact.
- Check the 2nd BTR CAM mechanism.
- If the problem persists, replace the HVPS PR12 (PL 18.4), followed by the MCU PWB (PL 18.2), and the ESS PWB (PL 35.2).

IQ-12 FIP for vertical streaks

Black lines or streaks of a particular color running in the vertical direction of the paper.

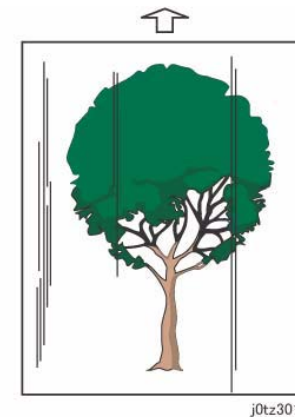


Figure 1 j0tz3010

Cause/Action

- Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check the following.
 - The Platen Glass for contamination and damage.
 - The Carriage Mirror for contamination.
 - Each connector of IIT PWB for poor contact.
 If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
- If the problem occurs in BW Copy/Print mode, check the Charge Scorotron of Drum Cartridge (K) (PL 8.1) for contamination. (There is no need to remove the CC)
 - Go to [System Settings], enter the [Maintenance] screen and select to perform [Clean Charge Corotron].
- Check the surface of 1st BTR Roll of the applicable color for contamination, damage, and etc. (PL 6.4)
- Check the surface of 2nd BTR Roll for contamination, damage, and etc. (PL 6.9)
- Remove and reinstall the Drum Cartridge of the applicable color.
- Replace the Drum Cartridge of the applicable color with new Drum Cartridge. (PL 8.1)
- Check each connector of ROS Assembly (C, K) and ROS Assembly (Y, M) for poor contact.
- If the problem persists, replace the ROS Assembly (C, K) (PL 2.1), followed by the ROS Assembly (Y, M) (PL 2.1), the MCU PWB (PL 18.2), and the ESS PWB (PL 35.2).

IQ-13 FIP for horizontal streaks

Black lines or streaks of a particular color running in the horizontal direction of the paper.

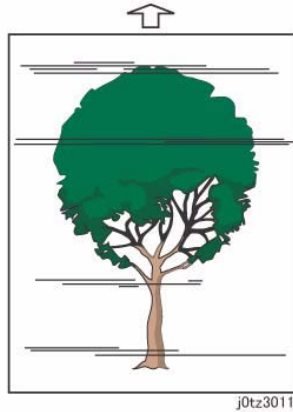


Figure 1 j0tz3011

Cause/Action

1. Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check the following.
 - The Platen Glass for contamination and damage.
 - Each connector of IIT PWB for poor contact.If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
2. Check the surface of 1st BTR Roll of the applicable color for contamination, damage, and etc. (PL 6.4)
3. Check the surface of 2nd BTR Roll for contamination, damage, and etc. (PL 6.9)
4. Remove and reinstall the Drum Cartridge of the applicable color.
5. Replace the Drum Cartridge of the applicable color with new Drum Cartridge. (PL 8.1)
6. Check each connector of ROS Assembly (C, K) and ROS Assembly (Y, M) for poor contact.
7. If the problem persists, replace the ROS Assembly (C, K) (PL 2.1), followed by the ROS Assembly (Y, M) (PL 2.1), the MCU PWB (PL 18.2), and the ESS PWB (PL 35.2).

IQ-14 FIP for partial image omission

There are extremely light parts on the image or parts that are completely omitted. These omitted parts appear on limited areas on the paper.



Figure 1 j0tz3012

Cause/Action

1. Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check the following.
 - The Platen Glass for contamination, damage, and condensation.
 - The mirror in the carriage mechanism for improper installation.
 - Each connector of IIT PWB for poor contact.If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
2. Check whether an out of spec paper is being used.
3. Use paper from a freshly opened packet.
4. Remove and reinstall each Drum Cartridge.
5. Check the IBT Belt surface for deformation and any foreign substances stuck to it. (PL 6.3)
6. Check the surface of 2nd BTR Roll for contamination, damage, and etc. (PL 6.9)
7. Check the 2nd BTR CAM mechanism.
8. If the problem persists, replace the HVPS PR12 (PL 18.4), followed by the MCU PWB (PL 18.2), and the ESS PWB (PL 35.2).

IQ-15 FIP for spots

Black toner spots or toner spots of a particular color are scattered randomly across the entire page.



Figure 1 j0tz3013

Cause/Action

1. Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check the following.
 - The Platen Glass for contamination, damage, and condensation.
 - Each connector of IIT PWB for poor contact.
 - If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
2. Replace it with a new Drum Cartridge. (PL 8.1)
3. Check the surface of 2nd BTR Roll for contamination, damage, and etc. (PL 6.9)
4. Check the paper transport path for contamination.
5. Check the surface and the inlet of the Fusing Unit Heat Roll for contamination.
6. Check whether an out of spec paper is being used.
7. Use paper from a freshly opened packet.
8. If the problem persists, replace the MCU PWB (PL 18.2) followed by the ESS PWB (PL 35.2).

IQ-16 FIP for ghost images

Ghost images appear on the paper. A previously printed image gets printed onto the subsequent sheet of paper, or part of the printed image was transferred repeatedly.

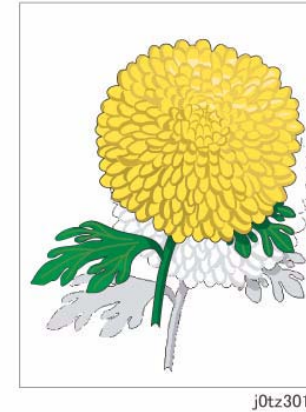


Figure 1 j0tz3014

Cause/Action

1. Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
2. Check the surface of the Fusing Unit Heat Roll for contamination.
3. Replace the Drum Cartridge of the color that is generating the ghost image with a new Drum Cartridge. (PL 8.1)
4. If the problem persists, replace the MCU PWB (PL 18.2) followed by the ESS PWB (PL 35.2).

IQ-17 FIP for background

The entire page or part thereof is covered by a very light layer of black toner or toner of a particular color.



Figure 1 j0tz3015

Cause/Action

1. Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 2.
 - If the problem occurs in Copy mode, check the following.
 - The Platen Glass for condensation.
 - Each connector of IIT PWB for poor contact.If no problem is found, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
2. Print in single color for each color to determine for which color background occurs. Remove and reinstall the Developer Housing Kit of the applicable color.
3. Replace the Developer Housing Kit of the color that is generating the background. (PL 8.6)

NOTE: If the problem persists, reinstall the original Developer Housing Kit.

4. Check each connector of HVPS-S5 and HVPS-S8 for poor contact.
5. If the problem persists, replace the MCU PWB (PL 18.2) followed by the ESS PWB (PL 35.2).

IQ-18 FIP for skewed images

Printed images are not parallel to the edges of the paper.

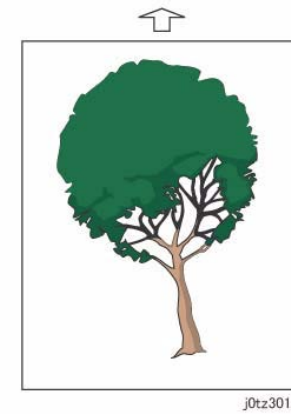


Figure 1 j0tz3016

Cause/Action

1. Check whether the document is placed correctly on the Platen.
2. Output in both Copy mode and Print mode.
 - If the problem occurs in both modes, go to step 3.
 - If the problem occurs in Copy mode, replace the IIT PWB (PL 1.4), followed by the Lens And CCD Kit (PL 1.4).
 - If the problem occurs in Print mode, check the Client.
3. Check whether an out of spec paper is being used.
4. Use paper from a freshly opened packet.
5. Check the paper transport path for deformation and the presence of foreign substances.
6. Check the installation state of each Roll on the paper transport path and for contamination on them.
7. If the problem persists, replace the MCU PWB (PL 18.2) followed by the ESS PWB (PL 35.2).

IQ-19 FIP for paper crease

The printed paper is creased, folded or torn.



j0tz3017

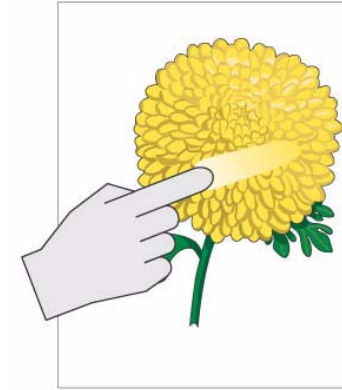
Figure 1 j0tz3017

Cause/Action

1. Check whether the position of the Side Guide of the Paper Tray is correct.
2. Check whether an out of spec paper is being used.
3. Use paper from a freshly opened packet.
4. Remove and reinstall the Fusing Unit.
5. Check the paper transport path for deformation and the presence of foreign substances.
6. If the problem persists, replace the Fusing Unit. (PL 7.1)

IQ-20 FIP for unfused images

Printed images are not properly fused onto the paper.



j0tz3018

Figure 1 j0tz3018

Cause/Action

1. Check whether an out of spec paper is being used.
2. Use paper stored under room conditions.
3. Check the voltage of the power supply.
4. Remove and reinstall the Fusing Unit.
5. Use Diag to check the fusing temperature settings.
6. If the problem persists, replace the Fusing Unit. (PL 7.1)

IQ-21 Mottle RAP

Use this RAP to repair the cause for uneven output image density, which occurs irregularly from the inboard to the outboard or in the whole printout.

Initial Actions

- Replace the paper in use with new paper that do not contain excess moisture. Check that the loaded paper matches the settings in the UI or Print Driver.
- Check if any of the Drum Cartridge or Toner Cartridge is near to its lifespans. Replace them if necessary.
- Perform MAX Setup (ADJ 18.1.7). If the problem persists, continue this RAP.

Procedure

Enter [6.4.2.22 Print Test Pattern] to print one sheet of Test Pattern 22. **Does the problem involve a single color?**

Y N

Does the problem occur in a specific paper type or thickness only?

Y N

Print one sheet of Test Page. As the lead edge of the printout starts to leave the Fusing Unit Exit Nip, open the Front Door.

Open the Fusing Unit to inspect the partially fused paper. **Does the problem occurs in both fused and unfused areas of the paper?**

Y N

Clean/replace the Fusing Unit (PL 7.1).

Enter [6.4.2.22 Print Test Pattern] to print one sheet of Test Pattern 22.

As the printing is in progress, open the Front Door and inspect the image on the Transfer Belt.

Is the image density on the belt within the allowable range?

Y N

Replace the IBT Belt (PL 6.3).

Go to [IQ-22 2nd BTR Inspection RAP] and check the bias/contact of the Backup Roll (PL 6.5).

Clean/replace the 2nd BTR Roll Assembly (PL 14.1).

If the problem still persists, replace the IBT Belt (PL 6.3).

A B

CAUTION

Even after performing the adjustments in the following procedure, the mottles may not disappear completely and other IQ problems may occur instead. Thus, the purpose of this procedure is to find the optimal compromise.

By changing the secondary transfer remote value of a specific faulty paper, the 2nd BTR transfer bias for that paper can also be fine adjusted.

The secondary transfer bias is a target value (based on the temperature, humidity, 2nd BTR resistance, and other Xerographic input values), which had been calculated by Control Logic in the computer to obtain an optimal transfer bias. There is an NVM location to manually control this target value remotely for each paper type. The default value of this [Remote] location is 100 (indicating 100% of the transfer bias target value that was calculated by the computer). The bias can be changed in a range from 0% to 200% of the target value.

Change the remote value for the relevant paper type to 150 and increase/decrease the remote value to find out the compromise level for realizing an optimal IQ. If the result is not satisfactory, set the remote value to 75 and then increase/decrease it to find out the compromise level for realizing an optimal IQ.

Swap the Drum Cartridge. **Does the problem occur with the Cartridge that was swapped in?**

Y N

Check the following:

- Clean the HV contact of the faulty Developer Housing Assy.
- Replace the Toner Cartridge if it has not been replaced yet.
- Replace the Developer Housing Assy (PL 8.6). Check the Developer Housing Assy for damage, wear, and contamination.

If the problem persists, replace the ATC Sensor (PL 8.6).

Replace the Drum Cartridge (PL 8.1).

NOTE: Even after performing the adjustments in the following table, the mottles may not disappear completely and other IQ problems may occur instead. Thus, the purpose of this procedure is to find the optimal compromise. (Table 1)

Table 1

Default Paper Name	Color		BW	
	NVM Side 1	NVM Side 2	NVM Side 1	NVM Side 2
Bond	746-311	746-313	746-313	746-314
Lightweight			746-319	746-320
Plain IC	746-321	746-322	746-323	746-324
Thicker 1A	746-325	746-326	746-327	746-328
Thicker 1B	746-329	746-330	746-331	746-332
Thicker 2A	746-333	746-334	746-335	746-336
Thicker 2B	746-337	746-338	746-339	746-340
Thicker 2C	746-341	746-342	746-343	746-344
Thicker 2D	746-345	746-346	746-347	746-348
Thicker 2E	746-349	746-350	746-351	746-352
Transparency	746-353		746-354	
Gloss	746-355	746-356	746-357	746-358
Heavyweight Gloss	746-359	746-360	746-361	746-362
Tack Film	746-363		746-364	

IQ-22 2nd BTR Inspection RAP

BSD-ON:CH9.24

Use this RAP to identify whether the 2nd BTR Assembly has a mechanical error or a bias error.

Cause/Action

1. Disconnect and reconnect each connector of HVPS PR12.
2. Check each connection of HVPS PR12 for damage.
3. Print an error report. If any of the following Fail has occurred, fix the error. If no Fail has occurred, replace the HVPS PR12. (PL 18.4)
 - 094-322 2nd BTR Retract Fail
 - 094-323 2nd BTR Contact Fail
4. If the problem persists, replace the MCU PWB. (PL 18.2)

IQ-23 1st BTR Inspection RAP

BSD-ON:CH9.21, CH9.22

Use this RAP to identify whether the 1st BTR Assembly has a mechanical error or a bias error.

Cause/Action

Perform the following when the High Density Gradation Patches (100%, 85%, 70%) of one or more of C, M, Y, and K colors appear light.

1. Refer to the BSD and disconnect and reconnect the connector between the MCU PWB and the HVPS CD02, as well as the 1st BTR Bias connector of HVPS CD02.
2. Check each connection of HVPS CD02 for damage.
3. Print an error report. If any of the following Fail has occurred, fix the error. If no Fail has occurred, replace the HVPS CD02. (PL 6.4)
 - 094-320 1st BTR Retract Fail
 - 094-321 1st BTR Contact Fail
4. If the problem persists, replace the MCU PWB. (PL 18.2)

IQ-24 Developer Bias RAP

BSD-ON:CH9.11, CH9.12, CH9.13, CH9.14

This isolates the Developer Bias errors.

Cause/Action

1. Refer to the BSD and disconnect and reconnect the connector between the MCU PWB and the HVPS S5C of each color, as well as the Deve Bias connector of the HVPS S5C of each color.
2. Check the connection of the HVPS S5C of each color for damage.
3. Replace the HVPS S5C of each color. (PL 18.2, PL 18.3)
4. If the problem persists, replace the MCU PWB. (PL 18.2)

IQ-25 BCR Inspection RAP**BSD-ON:CH9.9**

This corrects the background that appears in the form of a very dark single color, which appears from one edge to another.

Cause/Action

1. Swap the Drum Cartridge on which the dark background single color error is occurring with another and print a test page. If the color of the background changed, replace that Drum Cartridge. (PL 8.1)
2. Refer to the BSD and disconnect and reconnect the connector between the MCU PWB and the HVPS CD01, as well as the BCR Bias connector of HVPS CD01.
3. Check each connection of HVPS CD01 for damage.
4. Replace the HVPS CD01. (PL 18.2)
5. If the problem persists, replace the MCU PWB. (PL 18.2)

IQ-26 Scorotron Inspection RAP**BSD-ON:CH9.8**

This corrects the background that appears in the form of a very dark black, which appears from one edge to another.

Cause/Action

1. Install a new Drum Cartridge (K) and perform Test Print using several sheets. If the very dark black background persists, contact the Support Department for instructions.
2. Refer to the BSD and disconnect and reconnect the connector between the MCU PWB and the HVPS S4, as well as the Charge Scorotron Voltage and CC Grid Voltage connector of HVPS S4.
3. Check each connection of HVPS S4 for damage.
4. Replace the HVPS S4. (PL 18.3)
5. If the problem persists, replace the MCU PWB (PL 18.2).

IQ-27 Scorotron Cleaner RAP

BSD-ON:CH9.26

Cause/Action

1. Check whether streak error due to the Charge Scorotron or band error due to the Scorotron Cleaner has occurred.
 - If an error has occurred, go to step 3.
 - If no error has occurred, go to step 2.
2. Check whether the Drum Cartridge (K) had been replaced frequently.
 - If it had been replaced frequently, go to step 3.
 - If the replacement is not frequent, contact the Support Department for instructions.
3. Perform the following:
 - (1) Pull out the Xero Drawer and rotate the Black coupling at the IB side of the Charge Scorotron to push out the Cleaner Pad by approx. 10 cm.
 - (2) Push in the Xero Drawer.
 - (3) Make a copy from the Platen Glass. (Any document will do)
 - (4) Pull out the Xero Drawer to inspect the position of the Charge and CC Cleaning Pad. (There is no need to remove the CC)
 - If the Cleaning Pad remained at its previous position, replace the Cleaning Motor Assembly. (PL 8.9)
 - If the Cleaning Pad is no longer at its previous position, replace the Drum Cartridge (K). (PL 8.1)

IQ-28 Color Registration Error RAP

Initial Actions

Perform the following adjustment procedures. If the problem persists, continue this RAP.

- ADJ 18.1.5 DC675: Registration Control Setup Cycle
- ADJ 18.1.4 DC673: Registration Control Sensor Check Cycle
- ADJ 18.1.3 DC671: Registration Measurement Cycle

Cause/Action

1. Print an error report. (Refer to [Printing the CE Report])
2. When multiple Chain No. 089 (RegiCon) failures had occurred, take action according to the priority order in the following table. Solving a higher priority failure may sometimes also repair the other failures.

Table 1

Priority	Chain Link	Fail Item
1 (High)	089-616	RC Data Over Flow Fail
2	089-604~089-615	RC Sample Block Fail-B
3	089-601~089-603	RC Sample Block Fail-A1
4	089-600	RC Sample Lateral Fail-A1
5 (Low)	089-617	RC Data Over Range Fail

3.3.1 IPS Image Quality Entry FIP

This section describes the CQ-FIP for the IPS-related Image Quality Troubleshooting. Refer to the appropriate CQ-FIP for the IPS-related image quality problem that has occurred and perform the repairing procedure.

Table 1

Item No.	Item Name
CQ-01	Background Suppression Adjustment
CQ-02	Density Adjustment, Light Ink Support
CQ-03-1	Density Adjustment: Darkening the Highlight
CQ-03-2	Density Adjustment: Lightening
CQ-04	Bleed on Tracing Paper
CQ-05	Dual Color Copy Able1401 Alpha System Reproducibility
CQ-06	Gradation Jump in 100-lines Photo Document
CQ-07	Scan: Smearred Text, Mosquito Noise Around Text
CQ-09	Bleed on 2 Sided Document
CQ-10	Platen Background
CQ-11	Color Balance Adjustment
CQ-12	Rough Thin Lines
CQ-21	Image Quality Difference between Side 1 and Side 2 (Sharpness Adjustment of Side 1 and Side 2)
CQ-22	Image Quality Difference between Side 1 and Side 2 (Color Balance Adjustment of Side 1 and Side 2)
CQ-23	Image Quality Difference between Side 1 and Side 2 (Photo & Text Recognition Adjustment of Side 1 and Side 2)
CQ-24	Image Quality Difference between Side 1 and Side 2 (Background Suppression Adjustment of Side 1 and Side 2)
CQ-25	Image Quality Difference between Side 1 and Side 2 (Color Adjustment of Side 1 and Side 2)

CQ-01 Background Suppression Adjustment

A phenomenon like background (e.g. background color or document bleed) may occur depending on the document.



Figure 1 j0ki31019

[Cause]

The default settings of Background Suppression are as shown in Table 1. Background Suppression Level Adjustment may be required depending on the document.

[Procedure]

1. Set Background Suppression to 'Enabled' and check whether background still occur on the customer's document.

[Corrective action]

1. Background Suppression Level Adjustment
Background Suppression: Default

Table 1 Rough Standard for Suppression Levels

Suppression Level	Rough Standard for Suppression Levels (documents with white background, or level of effect on documents)	
Output Color	Color	BW
Normal	White paper such as P paper	Bleed is reduced slightly.
Higher (+1): Default	Recycled	White paper such as P paper, Recycled paper, Newspaper
Higher (+2)	Old recycled paper, Dark recycled paper	The suppression amount is more than Higher (+1).
Higher (+3)	Newspaper (with some bleed)	The suppression amount is more than Higher (+2).
Higher (+4)	Newspaper	Reduces background to the level at which pencil text (light text) can be read.

* The contents in Table 1 are only rough standards. The suppression results may differ depending on the document.

[Adjustment Method]

- The adjustment methods are different between Services and Output Colors. (Table 2)

Table 2 Background Suppression Level Adjustment Method by Mode

Service	Output Color	Adjustment Method
Copy	Color	System Administrator Mode
	BW	CE Mode (NVM)
Scan	Color	System Administrator Mode
	BW	CE Mode (NVM)

- Adjustment in System Administrator Mode
 - Copy (Full Color) Adjustment
[Tools] -> 'System Settings' tab -> [Copy Service Settings] -> [Copy Control] -> [Background Suppression Level]
 - Scan (Full Color) Adjustment
[Tools] -> 'System Settings' tab -> [Scan Service Settings] -> [Other Settings] -> [Background Suppression Level]
- Adjustment in CE Mode (NVM)
 - When adjusting the Text & Photo mode for BW Copy and BW Scan, change the following NVM values:

Table 3

Chain-Link	NVM Name	PSW Display	Setting Range	Initial Value	Meaning
715-631	Background Suppression Offset Level for BW Copy, Binary Scan Text & Photo Mode (Print, Photograph, Copy)	TP_BW_Copy_Fax Offset Level of AE	0~4095	273	Background Suppression Level*1 0: Strength Level 0 (Normal) 1: Strength Level 1 (+1) 2: Strength Level 2 (+2) 3: Strength Level 3 (+3) 4: Strength Level 4 (+4) 5 to 15 and above: Strength Level 0 (Normal) 0 bit to 3 bit: Platen 4 bit to 7 bit: CVT&DADF 8 bit to 11 bit: CIS

*1: Relationship between Background Suppression Level and Strength Level

Table 4 Relationship between Background Suppression Level and Strength Level

Background Suppression Level	Strength Level
Normal	0, 5 to 15
Higher (+1)	1

Table 4 Relationship between Background Suppression Level and Strength Level

Background Suppression Level	Strength Level
Higher (+2)	2
Higher (+3)	3
Higher (+4)	4

Table 5

Scanning Method	Meaning of Adjustment Value											
	CIS				CVT & DADF				Platen			
Bit allocation	11	10	9	8	7	6	5	4	3	2	1	0
Expressed in binary	0	0	0	1	0	0	0	1	0	0	0	1

* When the binary value in Table 5 above is converted to decimal value, it becomes the initial value in Table 3 (that is, 273).

Reference: Description of NVM Settings

The NVM setting range is 12 bits, which are broken up into 4 bits for each scan method. The NVM setting value is determined in binary first, and then converted to a decimal number.

Example: The initial value 273 (decimal) indicates that the background suppression levels are 1 for all scan methods.

When the background suppression levels are 2 for all scan methods, it is = 546 (decimal) = 001000100010 (binary)

When the background suppression levels are 3 for all scan methods: = 819 (decimal) = 001100110011 (binary)

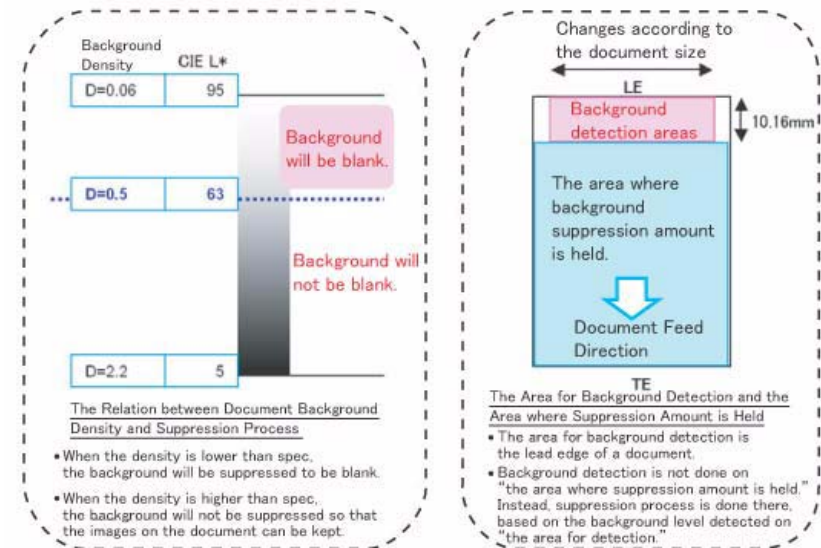
When the background suppression levels are 4 for all scan methods: = 1092 (decimal) = 010001000100 (binary)

- When adjusting the Text mode for BW Copy and BW Scan, change the following NVM values:
Set different NVM values for (Normal, Pencil) and (Tracing Paper) in Text mode.

The description of the settings is the same as that for the Text & Photo mode.

Table 6

Chain-Link	NVM Name	PSW Display	Setting Range	Initial Value	Meaning
715-633	Background Suppression Offset Level for BW Copy, Binary Scan Text Mode (Normal, Pencil Text)	TP_BW_Copy_Fax Offset Level of AE	0~4095	273	Background Suppression Level*1 0: Strength Level 0 (Normal) 1: Strength Level 1 (+1) 2: Strength Level 2 (+2) 3: Strength Level 3 (+3) 4: Strength Level 4 (+4) 5 to 15 and above: Strength Level 0 (Normal) 0 bit to 3 bit: Platen 4 bit to 7 bit: CVT&DADF 8 bit to 11 bit: CIS
715-637	Background Suppression Offset Level for BW Copy, Binary Scan Text Mode (Tracing Paper)	TP_BW_Copy_Fax Offset Level of AE	0~4095	273	Background Suppression Level*1 0: Strength Level 0 (Normal) 1: Strength Level 1 (+1) 2: Strength Level 2 (+2) 3: Strength Level 3 (+3) 4: Strength Level 4 (+4) 5 to 15 and above: Strength Level 0 (Normal) 0 bit to 3 bit: Platen 4 bit to 7 bit: CVT&DADF 8 bit to 11 bit: CIS



The Mechanism of the AE Function

j0ki31008

Figure 2 j0ki31008

(3) Precautions

The following NVM settings do not change the background suppression level because their operations are disabled.

715-630, 632, 636, 638~641, 643, 645~649

In addition, due to the mechanism of this function (Figure 1), backgrounds might not be suppressed up to the user's expectations on the following documents.

- (1) Photo documents having their high density sections placed in the background detection areas.
- (2) The document contains dark Frames or fringes.
- (3) The document contains texts on dark background.
- (4) Negative document

* For the document types (1) and (2), the suppression level may be improved by changing the background suppression method from High Speed to High Quality.

For the case of (3), density adjustment may be helpful.

CQ-02 Density Adjustment: Light Ink Support

This is used to copy an image to be lighter than the current BW Copy settings; e.g. when using light ink.

[Cause]

1. Density adjustment cannot lighten images to the light ink level.

[Procedure]

1. Consult with the customer to determine which (or all) level of Photo mode (Lighten +1 to +3) is to be set with light ink support adjustment.

[Corrective action]

1. Change the NVM values listed in the following table to adjust the 'Lighten +1', 'Lighten +2', and 'Lighten +3' of Photo mode.

NOTE: This countermeasure is only valid for BW Copy images.

Table 1 Table of Light Ink Support

	Chain-Link and Recommended Setting Value
Photo Mode 'Lighten +3'	[Chain-Link: 715-692]: 37 (recommended value) Settable range: [0-64] (Default = 0) Note 1) When 0 is set, the state is the same as when 64 is set. Note 2) When 20 or lower is set, the result may be blank paper.
Photo Mode 'Lighten +2'	[Chain-Link: 715-693]: 40 (recommended value) Settable range: [0-64] (Default = 0) Note 1) When 0 is set, the state is the same as when 64 is set. Note 2) When 15 or lower is set, the result may be blank paper.
Photo Mode 'Lighten +1'	[Chain-Link: 715-694]: 43 (recommended value) Settable range: [0-64] (Default = 0) Note 1) When 0 is set, the state is the same as when 64 is set. Note 2) When 10 or lower is set, the result may be blank paper.

CQ-03-1 Density Adjustment: Darkening the Highlight

This is used to reproduce the highlight (light colors) in darker shade.

[Cause]

1. To prevent background, the highlight reproducibility is adjusted.

[Procedure]

1. No special actions required.

[Corrective action]

1. Set the density adjustment from 'Darken +1' to 'Darken +3'.
* When the highlight is not reproduced after performing the density adjustment in Step 1, it can be adjusted by the following method:
2. Set the background suppression to 'Disabled'.
* Although may cause background to appear, it improves the highlight reproducibility.
3. In the case of Copy Service, adjust the density by using 'DC919: Color Balance Adjustment'.
In the case of Scan Service, increase the 'Scan Resolution'.
* The highlight reproducibility is improved more with 600dpi than 200dpi.
4. The following describes the adjustment method that is only valid for Output Color 'BW' and Original Type 'Text'.

Table 1 Density Adjustment: Darkening the Highlight

NVM Chain-Link	Service	Mode	How to Use
715-720	Copy	Output Color 'BW' Original Type 'Text' Density 'Normal'	The highlight is reproduced darker when a value smaller than the default value (128) is set. The recommended value is 120.
715-721	Copy	Output Color 'BW' Original Type 'Text' Density 'Darken +3'	The highlight is reproduced darker when a value smaller than the default value (128) is set. The recommended value is 120. The density of 'Darken +3' and 'Normal' may be reversed depending on the setting value.
715-722	Scan	Output Color 'BW' Original Type 'Text' Density 'Normal'	The highlight is reproduced darker when a value smaller than the default value (128) is set. The recommended value is 125.
715-723	Scan	Output Color 'BW' Original Type 'Text' Density 'Darken +3'	The highlight is reproduced darker when a value smaller than the default value (128) is set. The recommended value is 125. The density of 'Darken +3' and 'Normal' may be reversed depending on the setting value.

* The NVM value adjustment is done by visually checking the copy or scan output while performing the adjustment.

CQ-03-2 Density Adjustment: Lightening

This is used to reproduce the density in lighter shade.

[Cause]

No special actions required.

[Procedure]

- No special actions required.

[Corrective action]

- Set the density adjustment from 'Lighten +1' to 'Lighten +3'.
* When desired image quality cannot be obtained after performing the density adjustment in Step 1, the following adjustment method is also available.
Countermeasure (2): In the case of Copy Service, adjust the density by using 'Color Balance Adjustment'.
The following describes the adjustment method that is only valid for Output Color 'BW' and Original Type 'Text'.

Table 1 Density Adjustment: Lightening

NVM Chain-Link	Service	Mode	How to Use
715-720	Copy	Output Color 'BW' Original Type 'Text' Density 'Normal'	The highlight is reproduced lighter when a value larger than the default value (128) is set. The recommended value is 136.
715-721	Copy	Output Color 'BW' Original Type 'Text' Density 'Darken +3'	The highlight is reproduced lighter when a value larger than the default value (128) is set. The recommended value is 136. The density of 'Darken +3' and 'Normal' may be reversed depending on the setting value.
715-722	Scan	Output Color 'BW' Original Type 'Text' Density 'Normal'	The highlight is reproduced lighter when a value larger than the default value (128) is set. The recommended value is 132.
715-723	Scan	Output Color 'BW' Original Type 'Text' Density 'Darken +3'	The highlight is reproduced lighter when a value larger than the default value (128) is set. The recommended value is 132. The density of 'Darken +3' and 'Normal' may be reversed depending on the setting value.

* The NVM value adjustment is done by visually checking the copy or scan output while performing the adjustment.'

CQ-04 Bleed on Tracing Paper

When copying or scanning Tracing Paper document, bleed or background occur around the texts.

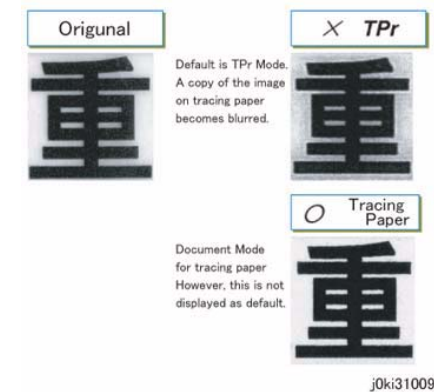


Figure 1 j0ki31009

[Cause]

- Because of the characteristics of Tracing Paper, shades are generated around the texts when scanning using CCD.

[Procedure]

- No special actions required.

[Corrective action]

- Use the Lightweight mode.
 - Copy Service Settings
Perform the following procedure to display the Lightweight mode on the UI.
[Tools] -> 'System Settings' tab -> [Copy Service Settings] -> [Copy Control] -> [Original Type - See-Through Paper] -> [Enabled]
The Lightweight mode becomes selectable when 'Output Color = BW' and 'Original Type = Text' are specified.
 - Scan Service Settings
Change the following NVM values to enable the Lightweight mode.
NVM 715-669 0: Normal -> 1: Tracing Paper mode
Select 'Color Scanning = BW' and 'Original Type = Photo' for the Lightweight mode.
(The Lightweight mode button does not exist on the UI. It is attached as a background mode to the Photo mode.)

CQ-05 Dual Color Copy Able1401a System Reproducibility

When using Dual Color (Red/Black Copy) in Copy Service, the Yellow marker pen is reproduced differently from the previous model Able1401a.

Current Machines including AP/DC-IV C5570G: Yellow marker pen is reproduced.

Able1401a: Yellow marker pen is not reproduced.



Figure 1 j0ki31010

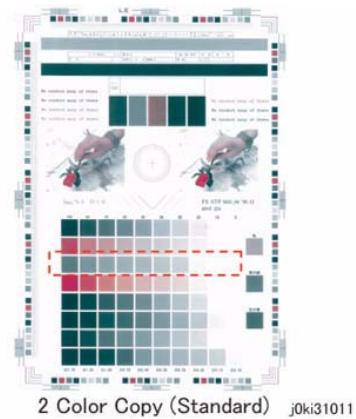


Figure 2 j0ki31011

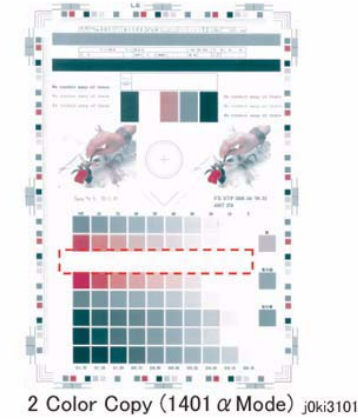


Figure 3 j0ki31012

[Cause]

1. For Able1401a, AP/DC-IV C5570G, and later models, this defect is caused by the condition that the image processing space is different.

[Procedure]

1. No special actions required.

[Corrective action]

- To adjust the reproduction of the Yellow marker pen, change the following NVM value.

Table 1

Chain-Link	NVM Name	PSW Display	Setting Range	Default Value	Meaning
715-695	New Dual Color Control	New Control of 2C COPY	0~15	6	<p>New Dual Color Reproducibility Control (this can be used to individually set the Dual Color mode for each Image mode.)</p> <p>For the default value of '6', the following are used by default.</p> <p>0 bit: Text mode</p> <ul style="list-style-type: none"> 0: Normal (same as AP/DC-IV C5570G) [default] 1: 1401a system (Yellow not reproduced) <p>1 bit: Photo & Text mode</p> <ul style="list-style-type: none"> 0: Normal (same as AP/DC-IV C5570G) 1: 1401a system (Yellow not reproduced) [default] <p>2 bit: Photo mode</p> <ul style="list-style-type: none"> 0: Normal (same as AP/DC-IV C5570G) 1: 1401a system (Yellow not reproduced) [default] <p>3 bit: Map mode</p> <ul style="list-style-type: none"> 0: Normal (same as AP/DC-IV C5570G) [default] 1: 1401a system (Yellow not reproduced)

Table 2

Meaning of Adjustment Value				
Bit allocation	3	2	1	0
Expressed in binary	0	1	1	0

* Changing the binary value in Table 2 above to decimal value results in the default value of '6' in Table 1.

Reference: Description of NVM Settings

The setting range of the NVM is 4 bits and it can be used to individually set the Dual Color mode for each Image mode.

The NVM setting value is determined in binary first, and then converted to a decimal number.

Example: when the Dual Color mode setting value of every Image mode is '1': 1401a system (Yellow not reproduced), this becomes '1111' (binary) = '15' (decimal).

CQ-06 Gradation Jump in 100-lines Photo Document

In the BW and Text & Photo Copy mode, gradation jump occurs on 100-line photo documents.

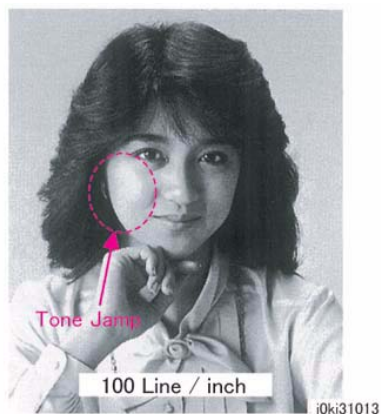


Figure 1 j0ki31013

[Cause]

As Text & Photo mode gives priority to 175 lpi halftone dots and text quality, Sharpen Edge is performed for lower lpi.

[Procedure]

1. No special actions required.

[Corrective action]

100-line document: Countermeasures

Table 1 100-line document: Countermeasures

Countermeasures	Secondary Defect
Set the Original Type to 'Photo'.	The text becomes blurred.
Select [Tools] -> [Common Service Settings] -> [Image Quality Adjustment] -> [Image Quality] and adjust [Photo & Text Recognition]	Image quality of photographs deteriorate in [More Text] and [Text] settings. Text becomes blurred in [More Photo] and [Photo] settings.

CQ-07 Scan: Smearred Text, Mosquito Noise Around Text

Color texts are blurred and mosquito noise is generated around the texts due to JPEG compression.



Figure 1 j0ki31014

[Cause]

As the JPEG compression technique is for images, not texts, noise is easy to crop up when it is used to compress texts.

[Procedure]

1. No special actions required.

[Corrective action]

1. Set the compression mode from 'Normal' to 'Low Compression'. (Secondary defect: The file size becomes bigger.)

CQ-09 Bleed on 2 Sided Document

Bleed occurs in the BW Copy and Text mode.

[Cause]

Because the gradation feature is designed to improve the reproducibility of Low Contrast, when bleed density of the document is high, the background suppression function might not be able to remove it completely.

[Procedure]

1. No special actions required.

[Corrective action]

Bleed on document: Countermeasures

Table 1 Bleed on document: Countermeasures

Countermeasures	Secondary Defect
Switch the AE suppression level settings. (Switch the NVM: CQ-01 Background Suppression Adjustment)	Reproducibility of highlights is degraded.
Set the density adjustment to 'Lighten +1'.	The density on the whole area becomes lighter and the reproducibility of highlights is degraded.

CQ-10 Platen Background

When A4 stark white paper such as J Paper/Premier 80 is scanned into A3 when in BW Copy Text mode and AE is ON, the Platen back density is reproduced outside of the copy range.

[Cause]

Because paper such as J paper/Premier 80 has a low background detection level, the density of the Platen Back might not be fully removed depending on the S/N level status of the IIT.

[Procedure]

1. No special actions required.

[Corrective action]

Platen Background: Countermeasures

Table 1 Platen Background: Countermeasures

Countermeasures	Secondary Defect
Switch the AE suppression level settings. (Switch the NVM: CQ-01 Background Suppression Adjustment)	Reproducibility of highlights is degraded.
Set the density adjustment to 'Lighten +1'.	The density on the whole area becomes lighter and the reproducibility of highlights is degraded.
Set the sharpness adjustment to 'Soften +1'.	The text becomes blurred.
Set the Color Balance Adjustment Level (Low Density) to 'Lighten'.	The low density becomes lighter and the reproducibility of highlights is degraded.

CQ-11 Color Balance Adjustment

The color of the copy image quality is different from that of the original.

[Cause]

When foreign substances such as dirt, dust, toner aggregate (including the case of heated one) exist in the Toner Cartridge, on the Toner Supply Path, or in the Developer Housing Assy and they reach the section between the Developer Roll and the Trimmer, it could obstruct the formation of developer layer.

[Procedure]

None

[Corrective action]

1. Enter DC919. Enter CE mode, and then select [Tools] -> [Common Service Settings] -> [Maintenance / Diagnostics] -> [MAX Setup] -> [Color Balance Adjustment]. (For details, refer to DC919 in Chapter 6.)
2. Adjust the values of the High Density/Medium Density/Low Density for Y, M, C and K respectively within the range of -4 to +4 on the DC919 screen. When Output Color is 'B/W', the adjustment value for 'K' becomes effective. Press the <Start> button to reflect the setting value.

Visually check the copy image quality to ensure that it meets the customer's requirements.

CQ-12 Rough Thin Lines

When a document containing extremely thin lines is copied in the Text & Photo Mode, the density of the lines on the copy may become uneven and rough.

[Cause]

Extremely thin lines are lines that are barely wide enough to be detected as edges.

Therefore, as only some of their segments can be detected edges, the machine will switch between the following processes frequently, making the lines look rough.

- Edge process: lines are darkened to emphasize them.
- Non-edge process: lines are reproduced in a light density that is faithful to the document without emphasizing them.

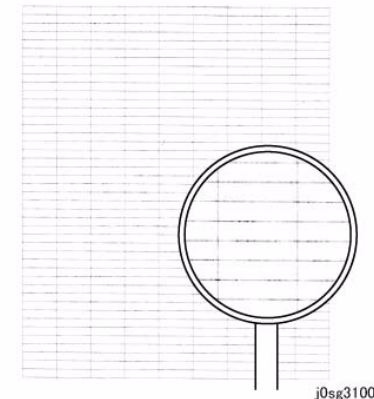


Figure 1 j0sg31001

[Procedure]

1. No special actions required.

[Corrective action]

Table 1

Countermeasures	Secondary Defect
<ul style="list-style-type: none"> • Text Mode • Text / Light Text Mode • Map Mode <p>Make a copy in any one of the above modes.</p>	<ul style="list-style-type: none"> • Because lines are more emphasized compared to the original, the overall image becomes darker.

Table 1

Countermeasures	Secondary Defect
Enter the System Administrator Mode. Select [Tools] -> [Common Service Settings] -> [Image Quality Adjustment] -> [Image Quality] -> [Photo & Text Recognition] <ul style="list-style-type: none"> Change [Normal] -> [More Text] (To emphasize edges) or Change [Normal] -> [More Photo] (To reproduce the whole image smoothly without emphasizing edges) Try the above while looking at the resulting images and select your preferred one.	<ul style="list-style-type: none"> Change [Normal] -> [More Text] Because lines are more emphasized compared to the original, the overall image becomes darker. Change [Normal] -> [More Photo] Images will be faithful to the original but texts are reproduced lighter.

CQ-21 Image Quality Difference between Side 1 and Side 2 (Sharpness Adjustment of Side 1 and Side 2)

During 2 Sided Simultaneous Scan, the text and halftone dot reproduction qualities of copy or scan images are different between Side 1 and Side 2.

[Corrective action]

Adjust the sharpness of Side 2 scan in NVM716-421.

The NVM has 5 levels, each of which indicates the Side 2 sharpness offset against Side 1.

Table 1

Content	Setting Range	Initial Value	Meaning
Sharpness adjustment for CIS (difference against Side 1)	0-4	2	Indicates the difference in sharpness adjustment against Side 1. 0: 2 levels softer than Side 1 1: 1 level softer than Side 1 2: Same as Side 1 3: 1 level sharper than Side 1 4: 2 levels sharper than Side 1

Sample Image

Text is reproduced lighter and coarser on the Side 1 and has lower resolution. The difference in the resolution capability is exposed as the difference in text density.

Sample Image (Left): Side 1 in Copy Text mode

Sample Image (Right): Side 2 in Copy Text mode

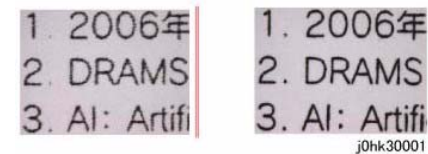


Figure 1 j0hk30001

CQ-22 Image Quality Difference between Side 1 and Side 2 (Color Balance Adjustment of Side 1 and Side 2)

To narrow the difference in density between Side 1 and Side 2 during scan.

[Countermeasure]

Perform color balance adjustment on Side 1 and Side 2, separately. The center of color balance adjustment* in Customer Mode will be changed by this adjustment.

* The color balance adjustment is performed for Side 1 and Side 2 at the same time in Customer Mode. Only this adjustment can adjust Side 1 and Side 2 separately.

This adjustment is only applicable to the copy function. Perform this adjustment only when requested by the customer.

Table 1 Overview of Color Balance Adjustment for Side 1 and Side 2 Scans

	Color Balance Adjustment for Side 1 Scan	Color Balance Adjustment for Side 2 Scan
Overview	Changes the center of color balance adjustment for Side 1 scan in Customer Mode.	Changes the center of color balance adjustment for Side 2 scan in Customer Mode.
Adjustment method	DC919	NVM 716-408 to 419
Adjustment value	'0' is the default value. The image will become lighter from '-1' to '-4' (in 4 stages), and darker from '1' to '4' (in 4 stages).	'4' is the default value. The image will become lighter from '0' to '3' (in 4 stages), and darker from '5' to '8' (in 4 stages).

1. Enter DC919 and check the value of 'Side 1 Color Balance Adjustment Y Low Density'. In this example, it is assumed that the value of Side 1 is the default value of '0'.
2. To darken the Y low density on Side 2, increase the default value of '4' of Chain-Link 716-411 within the range of '5' to '8'.

NOTE: Perform the NVM value adjustment by visually checking the copy output as you perform the adjustment.

Table 2 Color Balance Adjustment for Side 2 Scan: Chain-Link List

Chain-Link	Mode
716-408	Side 2 Scan Adjustment Level K Color Low Density
716-409	Side 2 Scan Adjustment Level K Color Medium Density
716-410	Side 2 Scan Adjustment Level K Color High Density
716-411	Side 2 Scan Adjustment Level Y Color Low Density
716-412	Side 2 Scan Adjustment Level Y Color Medium Density
716-413	Side 2 Scan Adjustment Level Y Color High Density
716-414	Side 2 Scan Adjustment Level M Color Low Density
716-415	Side 2 Scan Adjustment Level M Color Medium Density
716-416	Side 2 Scan Adjustment Level M Color High Density
716-417	Side 2 Scan Adjustment Level C Color Low Density
716-418	Side 2 Scan Adjustment Level C Color Medium Density
716-419	Side 2 Scan Adjustment Level C Color High Density

[Sample adjustment]

Adjusting the Yellow low density area on Side 2 because it is lighter than Side 1.

CQ-23 Image Quality Difference between Side 1 and Side 2 (Photo & Text Recognition Adjustment of Side 1 and Side 2)

To narrow the difference of Photo & Text Recognition between Side 1 and Side 2 during scan.

[Countermeasure]

The Photo & Text Recognition in System Administrator Mode can be used to change the judgment level, which is used to determine if an image is text or photo, on both Side 1 and Side 2 at the same time. This adjustment can change the Side 2 scan judgment level against the Side 1 scan. Also, this adjustment is only applicable to the copy function. Perform this adjustment only when requested by the customer.

Table 1 How to Adjust Photo & Text Recognition for Side 2 Scan

Chain-Link	Mode	Adjustment Method
716-420	Photo & Text Recognition for CIS	2: Lots more Text than Side 1 3: Slightly more Text than Side 1 4: Same as Side 1 (default) 5: Slightly more Photo than Side 1 6: Lots more Photo than Side 1

[Sample adjustment]

To adjust the Photo & Text Recognition of Side 2 to 'More Photo than Side 1'. Change the value of Chain-Link 716-420 from the default value of '4' to '5' or '6'. * Perform the NVM value adjustment by visually checking the copy output as you perform the adjustment.

[Reference]

Photo & Text Recognition Error Example

Photo & Text Recognition Error Example (The image is partially recognized as text and reproduced too finely. Change the setting to 'More Photo' to reduce the faulty area.) (Figure 1)

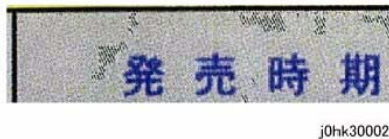


Figure 1 j0hk30002

Photo & Text Recognition Error Example (The image is partially recognized as photo and reproduced too smoothly. Change the setting to 'More Text' to reduce the faulty area.) (Figure 2)

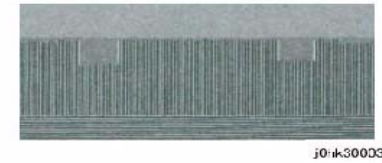


Figure 2 j0hk30003

CQ-24 Image Quality Difference between Side 1 and Side 2 (Background Suppression Adjustment of Side 1 and Side 2)

CQ-01 Background Suppression Adjustment (Continuation)

1. Adjustment in CE Mode (NVM)

When adjusting the Text & Photo mode for BW Copy and BW Scan, change the following NVM values:

Table 1

Chain-Link	NVM Name	PSW Display	Setting Range	Initial Value	Meaning
715-631	Background Suppression Offset Level for BW Copy, Binary Scan Text & Photo Mode (Print, Photograph, Copy)	TP_BW_Copy_F ax Offset Level of AE	0 to 4095	273	Background Suppression Level*1 0: Strength Level 0 (Normal) 1: Strength Level 1 (+1) 2: Strength Level 2 (+2) 3: Strength Level 3 (+3) 4: Strength Level 4 (+4) 5 to 15 and above: Strength Level 0 (Normal) 0 bit to 3 bit: Platen 4 bit to 7 bit: CVT&DADF 8 bit to 11 bit: CIS

*1: Relationship between Background Suppression Level and Strength Level

Table 2 Relationship between Background Suppression Level and Strength Level

Background Suppression Level	Strength Level
Normal	0, 5 to 15
Higher (+1)	1
Higher (+2)	2
Higher (+3)	3
Higher (+4)	4

Table 3

Scanning Method	Meaning of Adjustment Value											
	CIS				CVT & DADF				Platen			
Bit allocation	11	10	9	8	7	6	5	4	3	2	1	0
Expressed in binary	0	0	0	1	0	0	0	1	0	0	0	1

* When the binary value in Table 3 above is converted to decimal value, it becomes the initial value in Table 1 (that is, 273).

Reference: Description of NVM Settings

The NVM setting range is 12 bits, which are broken up into 4 bits for each scan method. The NVM setting value is determined in binary first, and then converted to a decimal number.

Example: The initial value 273 (decimal) indicates that the background suppression levels are 1 for all scan methods.

When the background suppression levels are 2 for all scan methods: = 546 (decimal) = 001000100010 (binary).

When the background suppression levels are 3 for all scan methods: = 819 (decimal) = 001100110011 (binary).

When the background suppression levels are 4 for all scan methods: = 1092 (decimal) = 010001000100 (binary).

When the background suppression level for the Platen or CVT & DADF scan method is 1 and the background suppression level for the CIS scan method is 3 (to suppress Side 2 background on Side 1) = 785 (decimal) = 001100010001 (binary).

When the background suppression level for the CIS scan method is 1 and the background suppression level for the Platen or CVT & DADF scan method is 3 (to suppress Side 1 background on Side 2) = 307 (decimal) = 000100110011 (binary).

CQ-25 Image Quality Difference between Side 1 and Side 2 (Color Adjustment of Side 1 and Side 2)

To narrow the difference in color between Side 1 and Side 2 during scan.

[Countermeasure]

Executing '2 Sided Color Scanning Calibration' in System Administrator Mode automatically narrows the difference in color between Side 1 and Side 2. This adjustment is applicable to the copy and scan functions. Perform this adjustment only when requested by the customer.

[Adjustment Method]

Refer to 'Performing the 2 Sided Color Scanning Calibration' in the Administrator Guide.

3.4.1 NG Image Samples (IDS)

The NG image samples described in this section are mock samples printed after intentionally disabling the part outputs and functions.

The degree of NG may change due to different output levels of the parts.

Check the relevant parts and interchange or replace the parts to identify the NG part only when there is a corresponding sample after a visual comparison with the NG samples.

- IDS1a Total chart sample where power is not supplied to the Y BCR (Vh = 0V)
- IDS2a Total chart sample where power is not supplied to the M BCR (Vh = 0V)
- IDS3a Total chart sample where power is not supplied to the C BCR (Vh = 0V)
- IDS4a CC Grid float (Vg = 0) status (Halftone sample)
- IDS5a K color halftone sample where CC has no output (Vg = 0)
- IDS6a Deve Bias float status
- IDS7a Deve Bias earthed status
- IDS8a 1st BTR (Cyan) float status
- IDS9a 1st BTR (Black) float status
- IDS10a 1st BTR (YMCK) float status
- IDS11a 2nd BTR float status
- IDS12a C2 paper sample when not in Fusing Unit Nip state (poor fusing sample)
- IDS13a JD paper sample when not in Fusing Unit Nip state (poor fusing sample)

IDS1a Total chart sample where power is not supplied to the Y BCR (Vh = 0V)

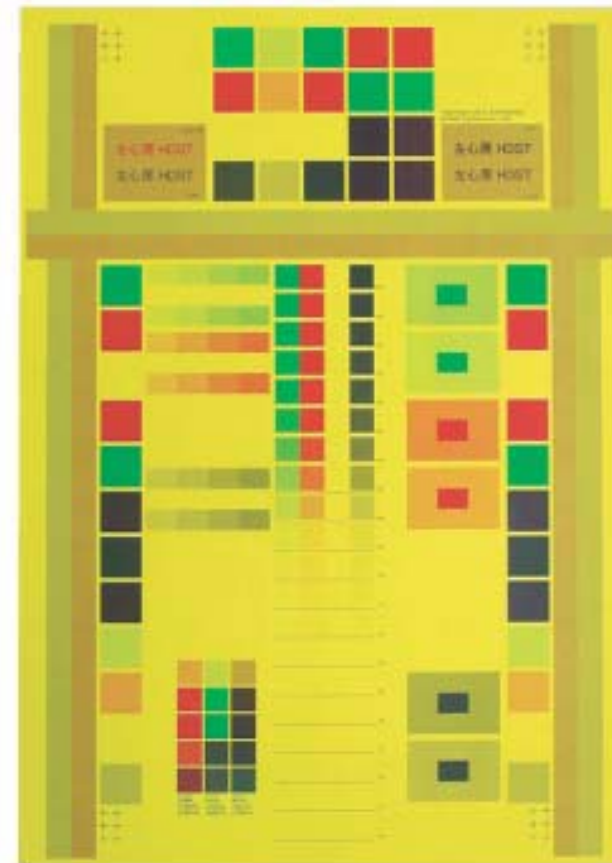
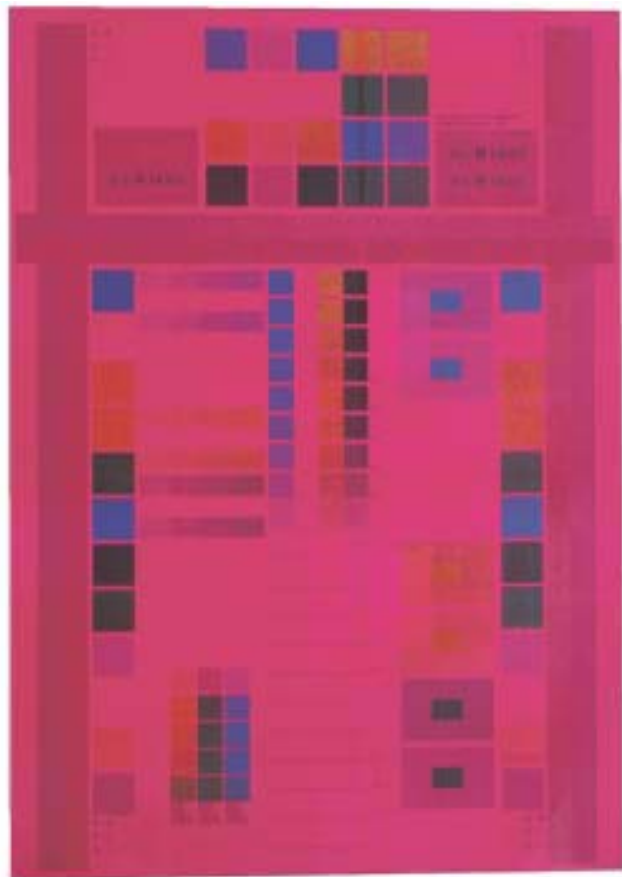


Figure 1 j0tz3020

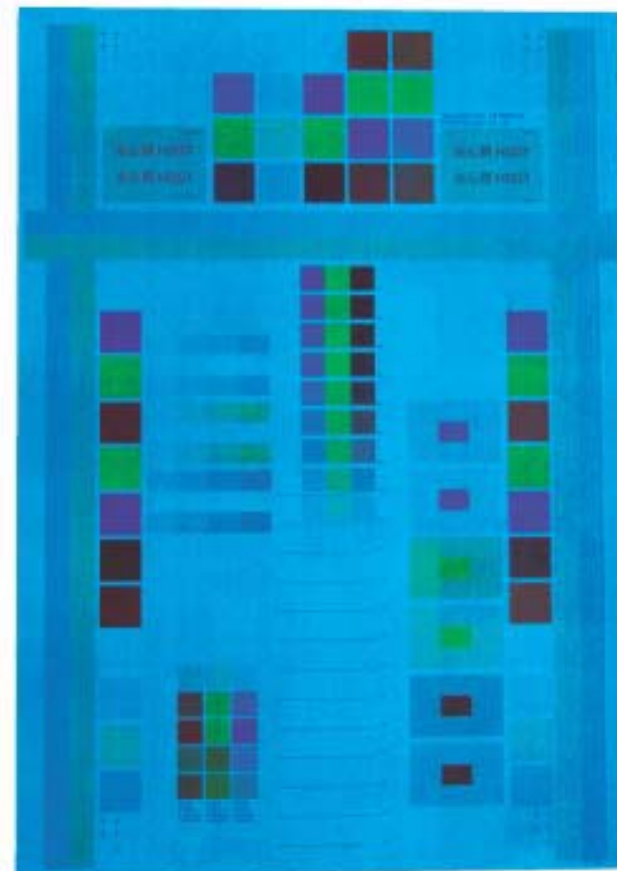
IDS2a Total chart sample where power is not supplied to the M BCR (Vh = 0V)

IDS3a Total chart sample where power is not supplied to the C BCR (Vh = 0V)



j0tz3021

Figure 1 j0tz3021



j0tz3022

Figure 1 j0tz3022

IDS4a CC Grid float (Vg = 0) status (Halftone sample)

Completely black copy with no white margins.



j0tz3023

Figure 1 j0tz3023

IDS5a K color halftone sample where CC has no output (Vg = 0)



j0tz3024

Figure 1 j0tz3024

IDS6a Deve Bias float status

[Normal] (Figure 1)

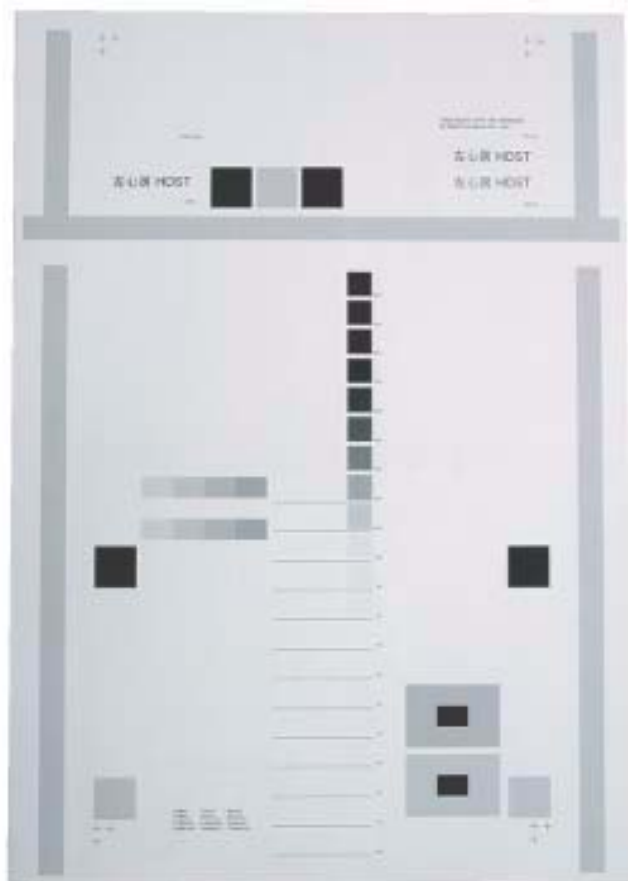


Figure 1 j0tz3025

[Float status] (Figure 2)

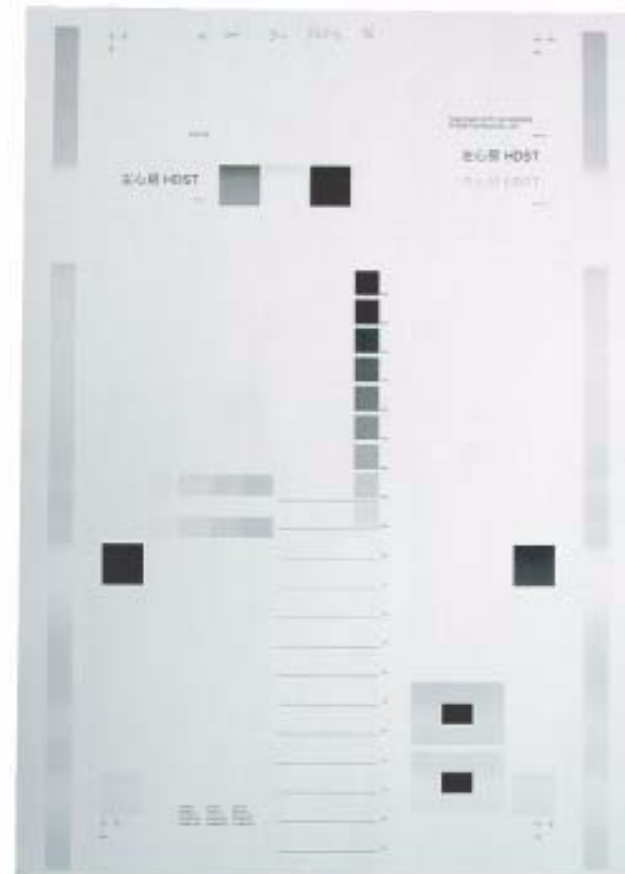


Figure 2 j0tz3026

IDS7a Deve Bias earthed status

[Normal] (Figure 1)

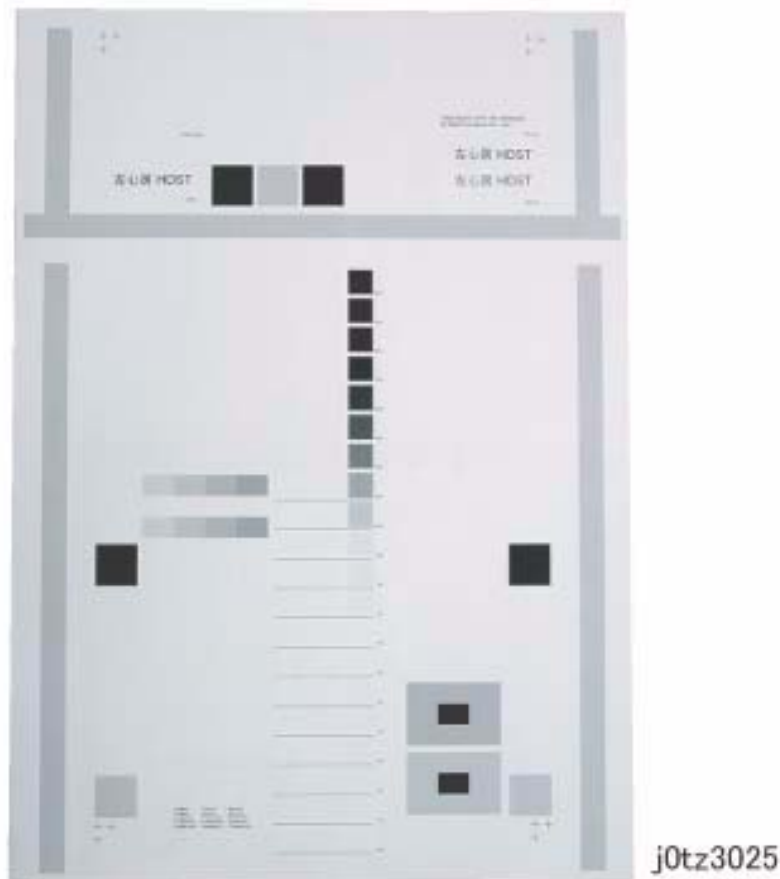


Figure 1 j0tz3025

[Earthed status] (Figure 2)

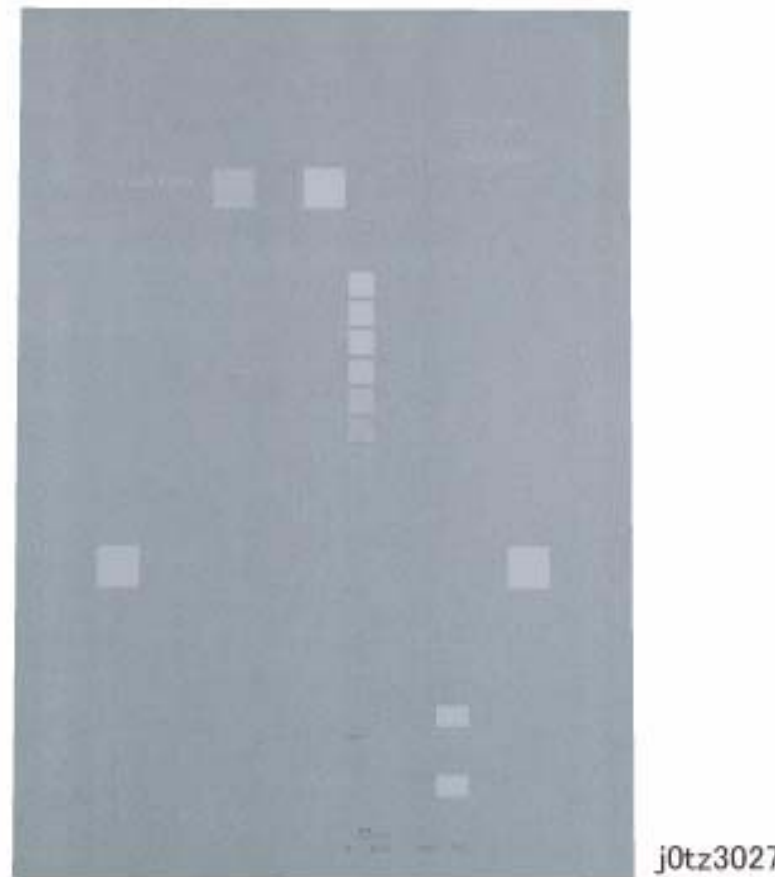


Figure 2 j0tz3027

IDS8a 1st BTR (Cyan) float status

IDS9a 1st BTR (Black) float status

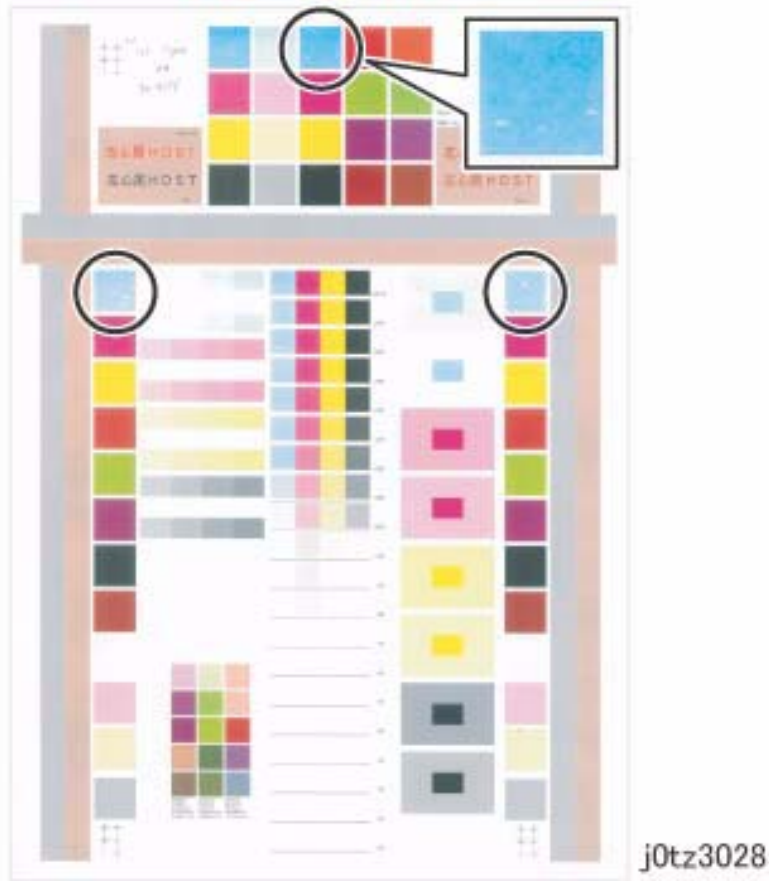


Figure 1 j0tz3028

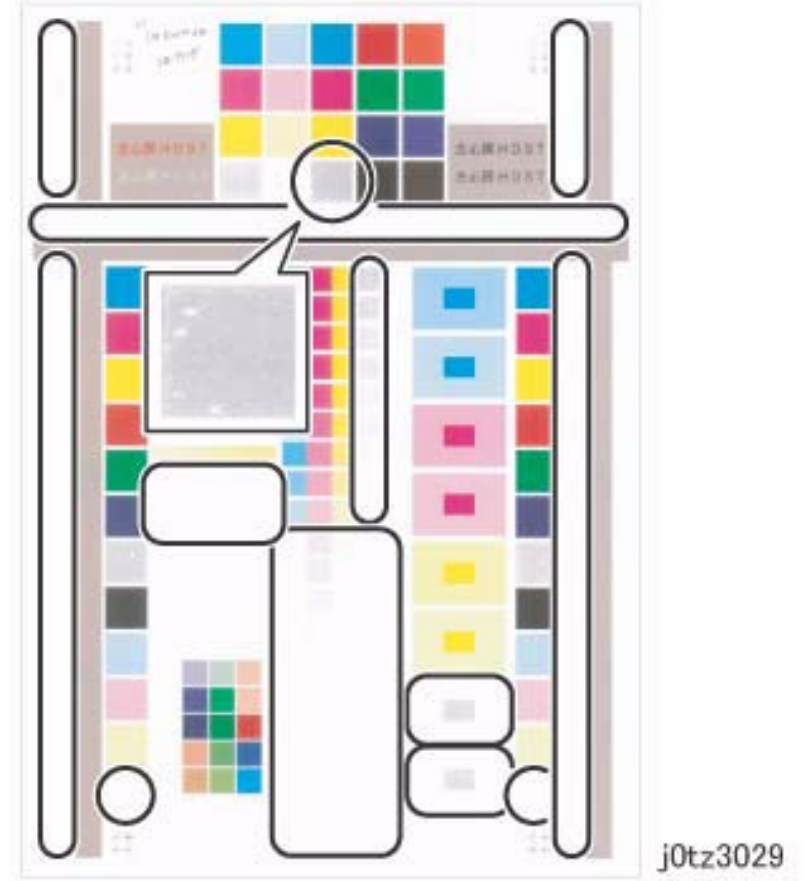


Figure 1 j0tz3029

IDS10a 1st BTR (YMCK) float status

IDS11a 2nd BTR float status



Figure 1 j0tz3030

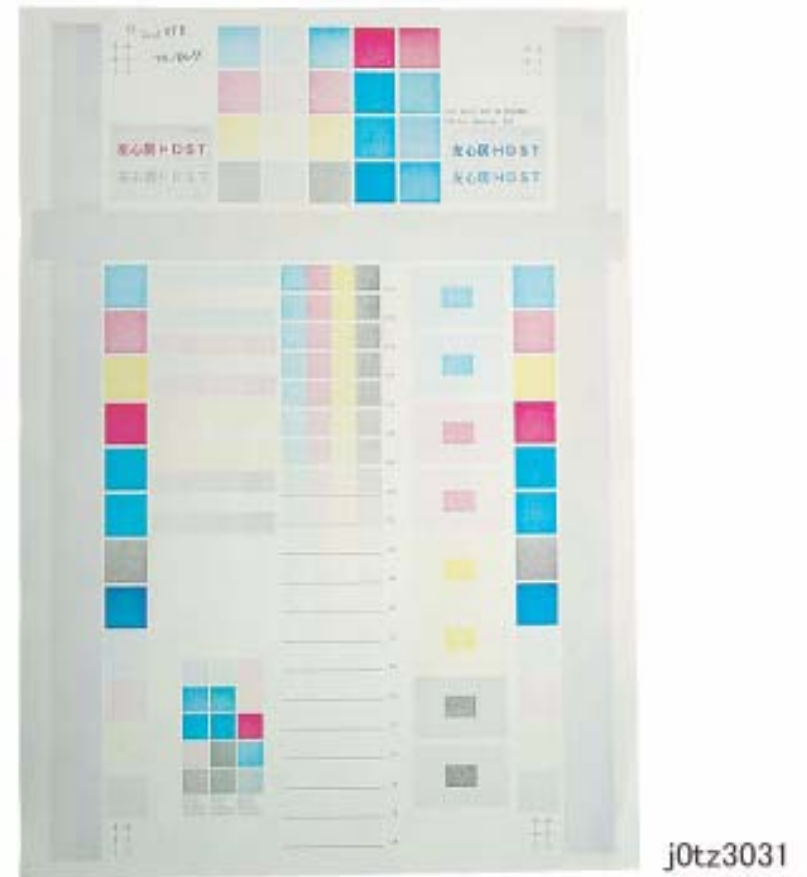


Figure 1 j0tz3031

IDS12a C2 paper sample when not in Fusing Unit Nip state (poor fusing sample)

If there is actually no gloss on the fusing sample, the points described below will be hard to distinguish. (The numbers in the samples correspond to the numbers of the descriptions below.)

NOTE: As the Heat Roll and Fusing Belt touch slightly even when not in Fusing Unit Nip state for this product, not the whole surface goes into unfusing state when not in Nip state (all the toner can be removed from the surface of the paper by hand).

1. Gloss is low.
2. Offset is difficult for C2 paper. (As this is lightweight paper, the temperature of the Heat Roll does not fall.)
3. If one part is folded, the toner on the fold line comes off. (The amount of toner that comes off is small.)



Figure 1 j0tz3032

IDS13a JD paper sample when not in Fusing Unit Nip state (poor fusing sample)

If there is actually no gloss on the fusing sample, the points described below will be hard to distinguish. (The numbers in the samples correspond to the numbers of the descriptions below.)

NOTE: As the Heat Roll and Fusing Belt touch slightly even when not in Fusing Unit Nip state for this product, not the whole surface goes into unfusing state when not in Nip state (all the toner can be removed from the surface of the paper by hand).

1. Gloss is low.
2. Most of the process black (YMC 100%) parts on JD paper are offset.
As JD paper is heavyweight paper, the temperature falls after 2 to 3 rotations of the Heat Roll. Offset comes in from the low temperature areas in the sample. Normally, even when temperature falls, such a symptom does not occur under nip pressure.
3. If one part is folded, a considerable amount of the toner on the fold line comes off.

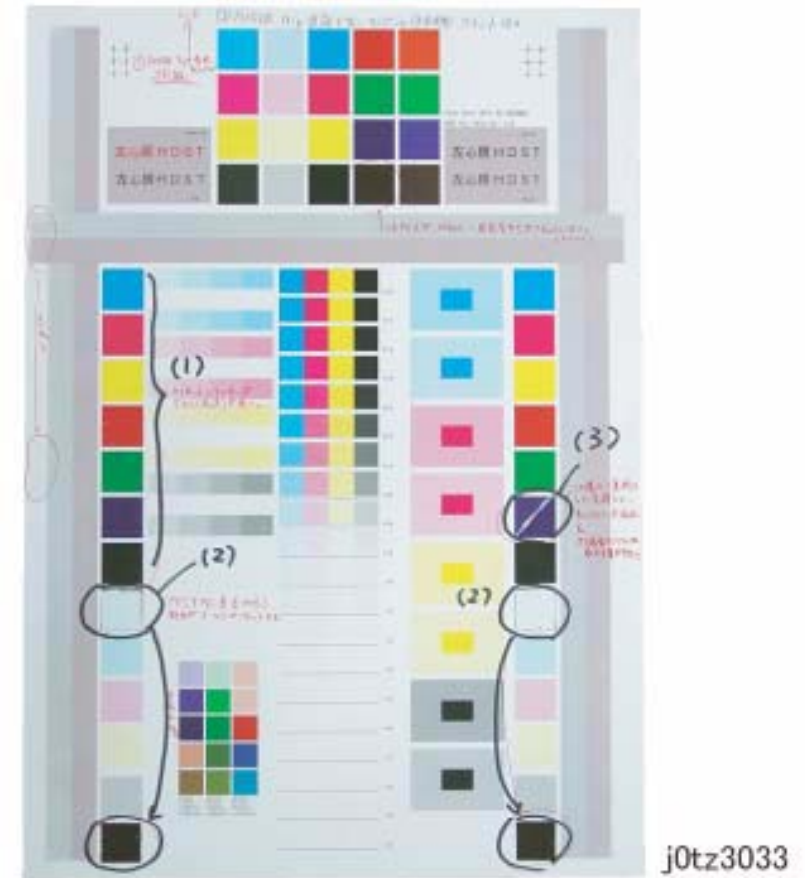


Figure 1 j0tz3033

IDS1b Image Quality Specification

Perform the following steps to set up the machine to obtain a copy of the test pattern for judging the color density, balance, and registration of the output image.

1. Set the following items in the Customer Mode:
 - (1) [Output Color] - 'Full Color'
 - (2) [Original Type] - 'Text & Photo'/Half-tone'
 - (3) [Density] - 'Normal'
 - (4) [Color Balance] - '0'
 - (5) [Saturation] - 'Normal'
 - (6) [Sharpness] - 'Normal'
2. Load a color test pattern on the Platen. Load 11x17' or A3 paper in Tray 1. Make one copy of the test pattern.
3. Refer to the following evaluation criteria and compare the copy with the original test pattern.

Table 1 Color Specification Check Points

Target area	Check if the result is as follows.
A	Text reproduction. Each of the seven sentences in this area are reproduced completely without missing or partially missing characters. The sentences are all reproduced in Black, Cyan, Magenta, Yellow, Red, Green, and Blue.
B	Color registration. Each pattern in area B is registered correctly and all Black, Red, Green, and Blue lines are reproduced.
C	Density in Front-Rear direction. The densities of both the light and dark bands from the Front to the Rear are even. This can be tested by folding the copy at the center and comparing the areas of C at the Front and Rear sides. Check that both the dark and light areas from the Front to the Rear are even.
D	Color gradation. The density of each color gradually becomes lighter from 100% to 5%. If the machine is adjusted correctly, the 10% patch should be visible while the 5% patch should be invisible (or can be seen with some effort as very light color) on the copy of the test pattern (except the bottom row).
E	Routine color. Area E is used for three types of general tests, which are done for the machine to reproduce the colors that are common among the customer's documents. Position A: General skin tone test Position B: Typical leaf color test, such as grass. Position C: Sky color test
F	Photo gradation. Area F is not used for evaluating the copy quality of this product.
G	IIT Calibration Patches. These patches are scanned during the IIT Calibration, which is a part of MAX Setup.
H	100 lines/inch image. This image contains moire. Check if the moire on the 100 lines/inch image is within the specifications.
I	175 lines/inch image. Use this image to check if moire appears. Moire appearing on this image may be considered as out of specifications depending on the degree of the error.

Registration and missing borders can be checked by using the stair scale of the Geometric Figure Test Pattern. Figure 1 shows an example. The scale is 20 mm in height and comprises four 5 mm stairs. Step 1 is drawn as the top of the stair scale, while step 4 is the bottom.

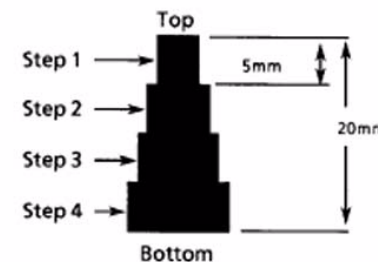


Figure 1 Stair Scale j0pi3101

Each stair scale is placed according to a specific paper size and orientation. The stair scales that are applicable to each paper size, orientation, and measurement position are shown in Table 2.

Table 2 Inspection by Using Geometric Figures - Stair Scale Information

Paper Size	Orientation	Check Item	Stair Scale Used (Refer to Figure 1)
11x17	SEF	Lead Edge Side Edge Tail Edge	LE1 to LE3 SE1 to SE4 (topmost), SE5 and SE8 (bottommost) TE3
A3	SEF	Lead Edge Side Edge Tail Edge	LE1 to LE3 SE1 to SE4 (topmost), SE6 and SE7 (bottommost) TE4
8.5x11	SEF	Lead Edge Side Edge Tail Edge	LE1 and LE2 SE1 to SE3 (topmost), SE9 (bottommost) TE5
A4	LEF	Lead Edge Side Edge Tail Edge	LE1 and LE2 SE1 to SE3 (topmost), SE10 (bottommost) TE6
8.5x11	LEF	Lead Edge Side Edge Tail Edge	LE1 to SE3 SE1 and SE2 (bottommost), SE6 and SE7 (topmost) TE2
A4	LEF		LE1 to SE3 SE5 (topmost), SE1 and SE2 (bottommost) TE1

1. Set the following items in the Customer Mode:
 - [Output Color] - 'Full Color'
 - [Original Type] - 'Text & Photo'/Half-tone'
 - [Density] - 'Auto Contrast'
 - [Saturation] - 'Normal'

- [Variable Color Balance] - 'Normal'
 - [Sharpness] - 'Normal'
2. Load Test Pattern 82E8220 on the Platen and load 24# Xerox Color Xpressions 11x 17' or 90 GSM Colotech A3 paper in Tray 1. Make one copy of the test pattern.
 3. Follow the instructions in Table 3 to judge if the machine registration is within the spec.

Table 3 Test Pattern Image Data Position for Geometric Spec

Geometric Check Item	Check Items
Reduce / Enlarge	Check the 300 mm line that runs from the vicinity of LE1 of the 1.8 lp Ladder to the Tail Edge. Check the 200 mm line that runs from the vicinity of LE1 to the vicinity of LE3. Make one copy. Check that the measured values are as follows: <ul style="list-style-type: none"> • Right to Left: 300 mm 1.5 mm • Front to Rear: 200 mm 1.0 mm
Resolution	When observing this check item from positions R1 to R8 on the copy of the test pattern, check that the following line pairs are clearly visible at the specified magnification ratio. <ul style="list-style-type: none"> • 70%: 3.0 lp/mm • 100% to 400%: 4.3 lp/mm
Lead Edge Registration	Measure the distance from the Lead Edge of the paper to a position above Step 3 of the LE2 Stair Scale. Check that the measured values are as follows: <ul style="list-style-type: none"> • Trays 1 to 4: 10 mm 1.5 mm (1.6 mm for Side 2 of a 2 Sided job) • Tray 5: 10 mm 1.6 mm
Side Edge Registration	Measure the distance from the side edge of the paper to a position above Step 3 of the SE2 and SE3 Stair Scales. Check that the distances are within the following allowable error range: <ul style="list-style-type: none"> • Trays 1 to 4: 8.5 mm 1.8 mm (2.0 mm for Side 2 of a 2 Sided job) • Tray 5: 8.5 mm 3.0 mm
Lead Edge Skew	For the skew in Front-Rear direction, measure the distance from the paper Lead Edge to the targets of LE1 and LE3. Check that the measured values are within the following allowable error range: <ul style="list-style-type: none"> • Trays 1 to 4: Within 1.6 mm (2.0 mm for Side 2 of a 2 Sided job) • Tray 5: Within 1.6 mm
Side Edge Skew	For the skew in Right-Left direction, measure the distance from the paper side edge to the targets of SE1 and SE4. Check that the measured values are within the following allowable error range: <ul style="list-style-type: none"> • Trays 1 to 4: Within 3.2 mm (4.0 mm for Side 2 of a 2 Sided job) • Tray 5: Within 3.2 mm
Line Density	This parameter is measured using the two 0.7G Text Blocks on a copy of the test pattern. Check that the machine reproduces all the characters in these blocks on the output copy.
Solid Color Reproducibility	This specifies desired reference for reproducing a 1.0 K solid gray image. Check that the image is reproduced with minimal mottles and graininess in the 1.0 K Block on the output copy.

Table 3 Test Pattern Image Data Position for Geometric Spec

Geometric Check Item	Check Items
Low Contrast Reproducibility	This specifies desired reference for reproducing high density images. Check that the machine reproduces all the characters in the 0.2 G Text Block on the output copy.
ROS Borders (Lost Image)	Measure the distances from LE2 at paper Lead Edge, SE2 and SE7 at paper side edge, and TE4 at the Tail Edge to the top of the Stair Scales at their respective positions. Check that the measured values are within the following spec: <ul style="list-style-type: none"> • Lead Edge: 4 mm 1 mm • Side Edge: 2 mm 1 mm • Tail Edge: 4 mm 1 mm



Figure 2 Color Test Pattern j0pi3102

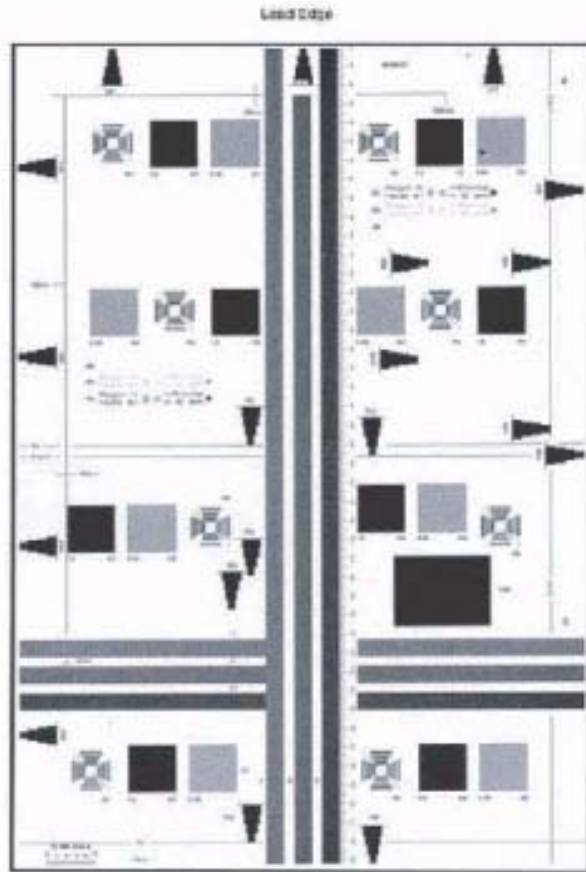


Figure 3 Geometric Figure Test Pattern j0pi3103

IDS2b Image Errors

Each of the subsequent figures shows a sample error and its cause.

- IDS3b Background
- IDS4b Color Registration Error
- IDS5b Blanks Around Leftover Toner
- IDS6b Blanks
- IDS7b Frequently Appearing Bands
- IDS8b Irregular Streaks in Process Direction
- IDS9b Light Image
- IDS10b Moire
- IDS11b Mottles
- IDS12b Newton Ring
- IDS13b Periodical (Repetitively Occurring) Bands, Streaks, Spots, and Smear
- IDS14b Ghost Image
- IDS15b Streak-shaped Blanks in Process Direction
- IDS16b Wrinkled Image
- IDS17b Cloud-shaped Error
- IDS18b Streaks due to IBT Cleaner
- IDS19b Streaks due to Scorotron
- IDS20b Bands due to Scorotron Cleaner

IDS3b Background

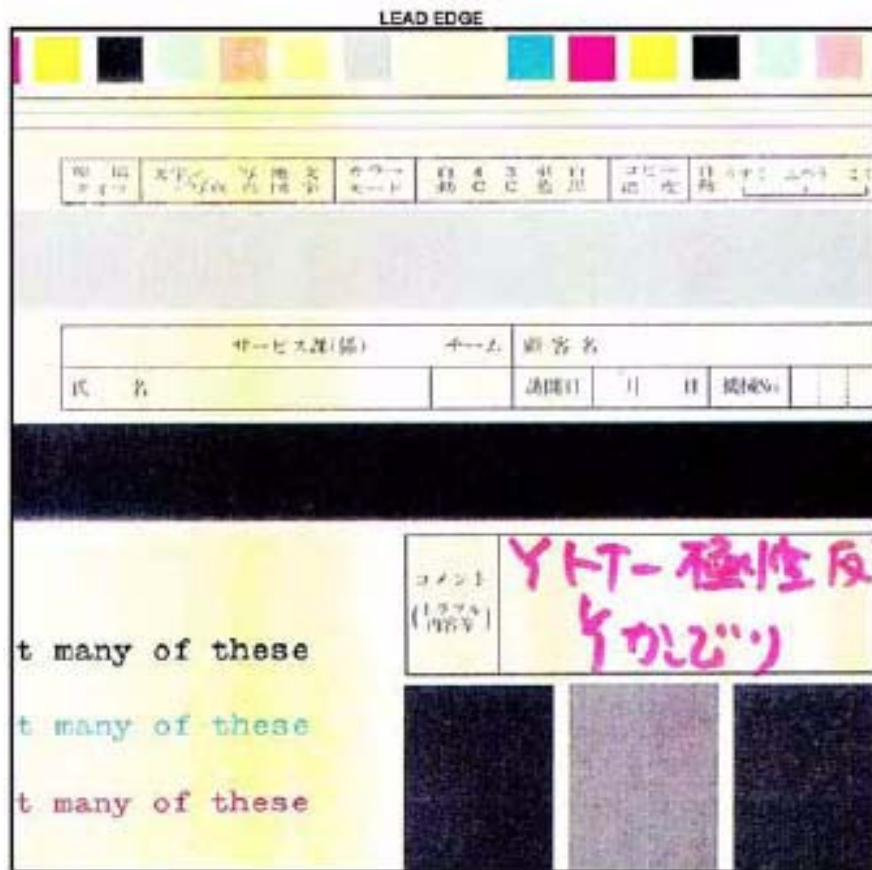


Figure 1 Background Error Sample j0pi3104

Cause

Static electricity, high toner density, or failure of the ADC Sensor

Countermeasures

Proceed to 'IQ-17 FIP for background'.

IDS4b Color Registration Error

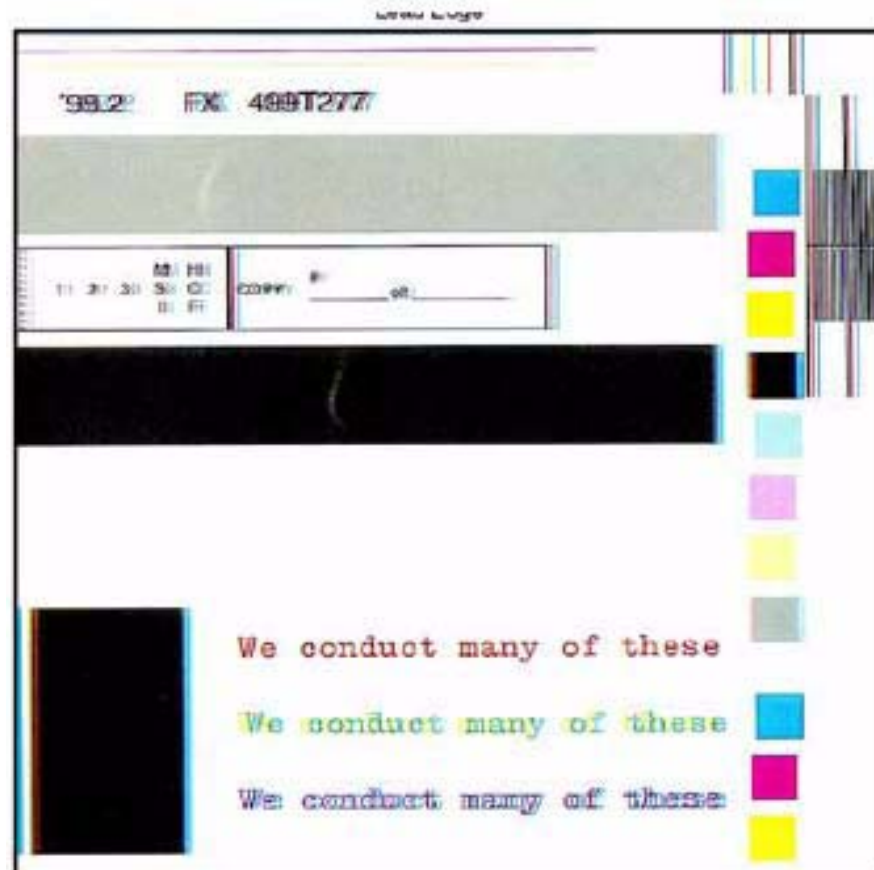


Figure 1 Color Registration Error Sample j0pi3105

Cause

Failure of the MOB Sensor, failure of the ROS, or control failure of the IBT Belt Walk

Mechanical problem in the IBT Assembly

Countermeasures

Proceed to IQ-28 'Color Registration Error RAP'.

IDS5b Blanks Around Leftover Toner

IDS6b Blanks

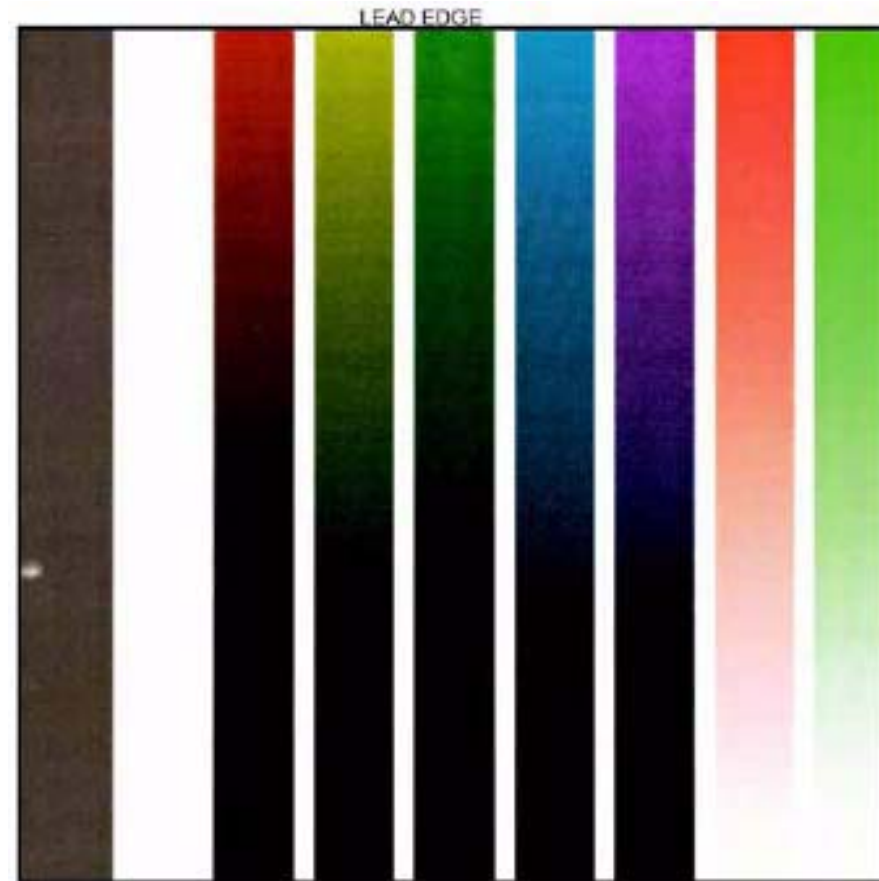
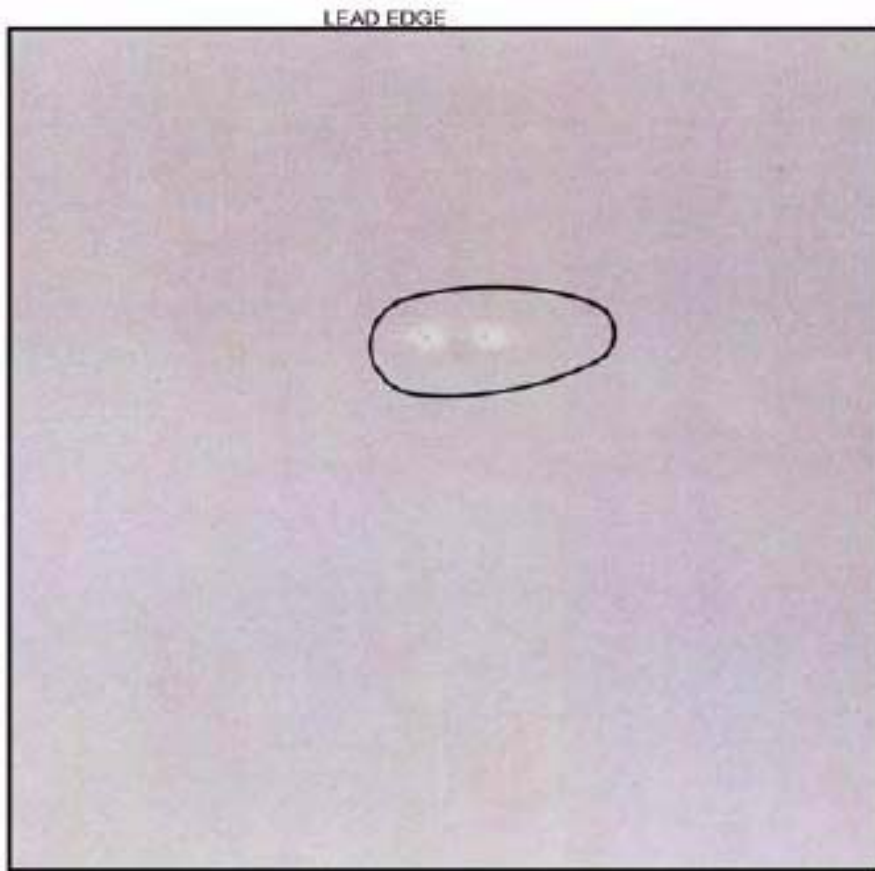


Figure 1 Blanks Around Leftover Toner Error Sample j0pi3106

Figure 1 Blanks Error Sample j0pi3107

Cause

There are toner lumps which cause blanks to appear around it during the transfer.

Countermeasures

Proceed to 'IQ-15 FIP for spots'.

Cause

Failure of the IBT Belt, moist paper, uneven electric charge

Countermeasures

Proceed to 'IQ-14 FIP for partial image omission'.

IDS7b Frequently Appearing Bands



Figure 1 Frequently Appearing Bands Error Sample j0pi3108

Cause

Failure of the ROS Assembly, failure of the Photoreceptor, problems with the Gear or Bearing in the Developer Housing

Countermeasures

Proceed to 'IQ-2 FIP for periodical spots, stripes, bands etc'.

IDS8b Irregular Streaks in Process Direction

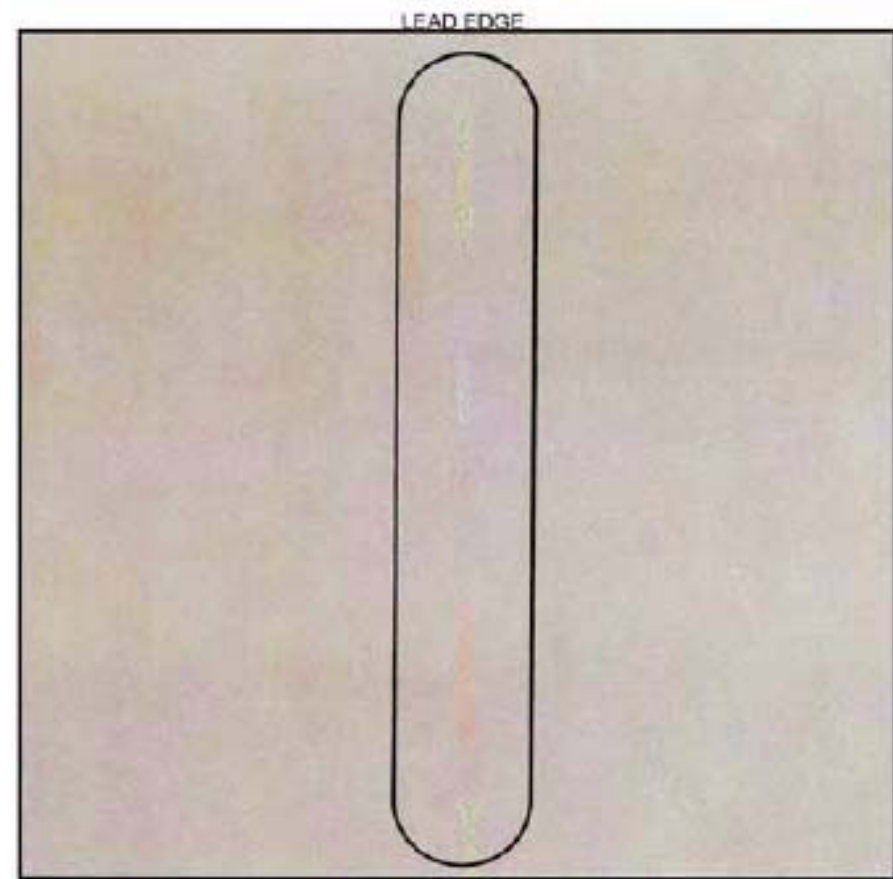


Figure 1 Streak Error Sample j0pi3109

Cause

Blockage of the Developer Housing Trim Bar, operation failure of the IBT Cleaner Assembly, or contamination of the ROS Window

Countermeasures

Proceed to 'IQ-12 FIP for vertical streaks'.

IDS9b Light Image

IDS10b Moire

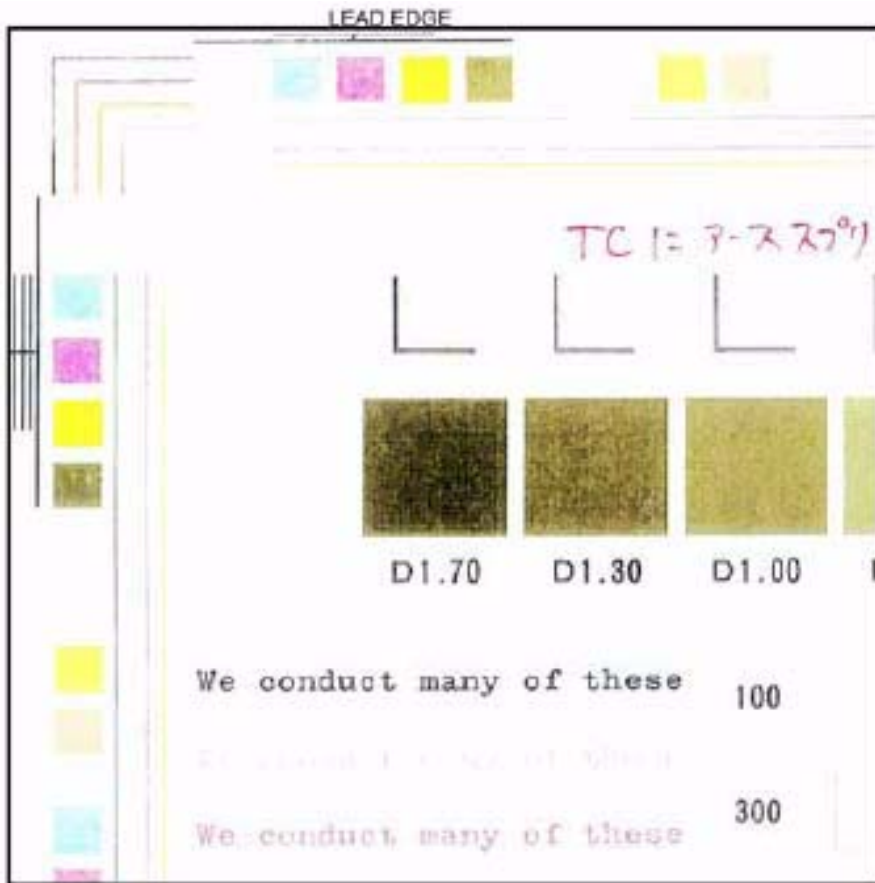


Figure 1 Light Image Error Sample j0pi3110

Figure 1 Moire Error Sample j0pi3111

Cause

Static electricity, failure of the ADC Sensor, low toner density, or usage of out-of-spec paper (especially low-quality paper or thick paper)

Countermeasures

Proceed to 'IQ-3 FIP for overall light printing'.

Cause

The mesh screen used on the document conflicts with the mesh screen used in the Copy machine.

Countermeasures

Proceed to 'IQ-1 IOT Image Quality Entry FIP'.

IDS11b Mottles

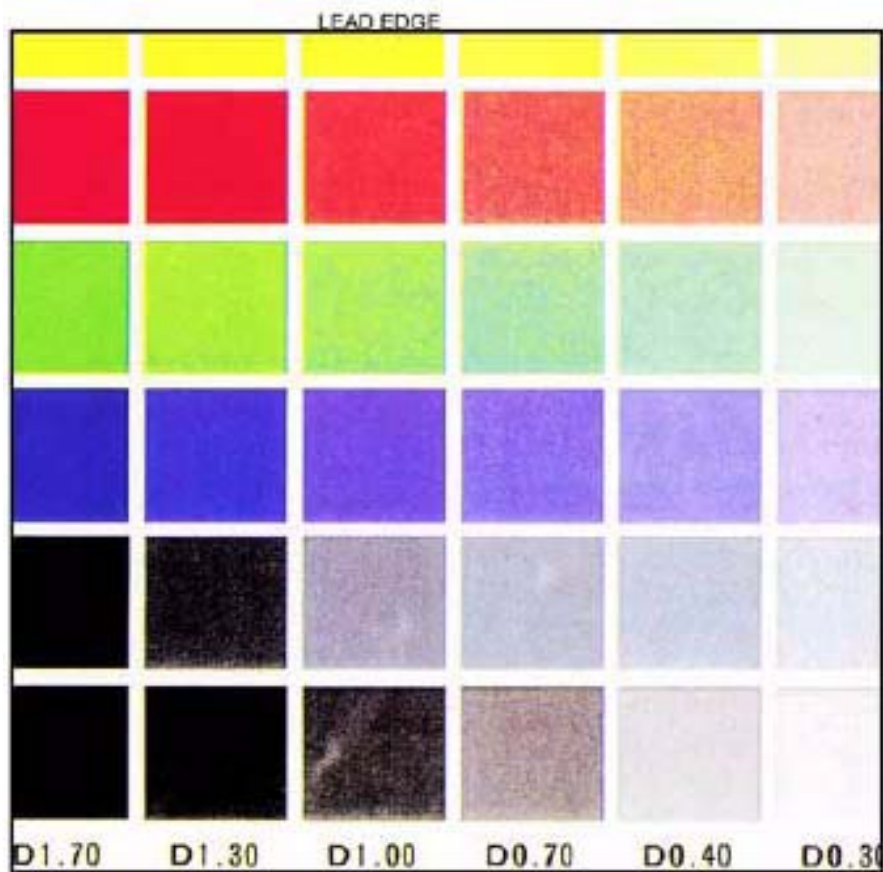


Figure 1 Mottles Error Sample j0pi3112

Cause

Moist or low-quality paper, old developing powder, or low toner density

Countermeasures

Proceed to 'IQ-21 Mottle RAP'.

IDS12b Newton Ring



Figure 1 Newton Ring Error Sample j0pi3113

Cause

The surface is highly reflective because it is a glossy photo.

Countermeasures

Perform the following:

- Clean the Document Glass.
- Insert a sheet of transparency between the document and the glass.

IDS13b Periodical (Repetitively Occurring) Bands, Streaks, Spots, and Smear

IDS14b Ghost Image

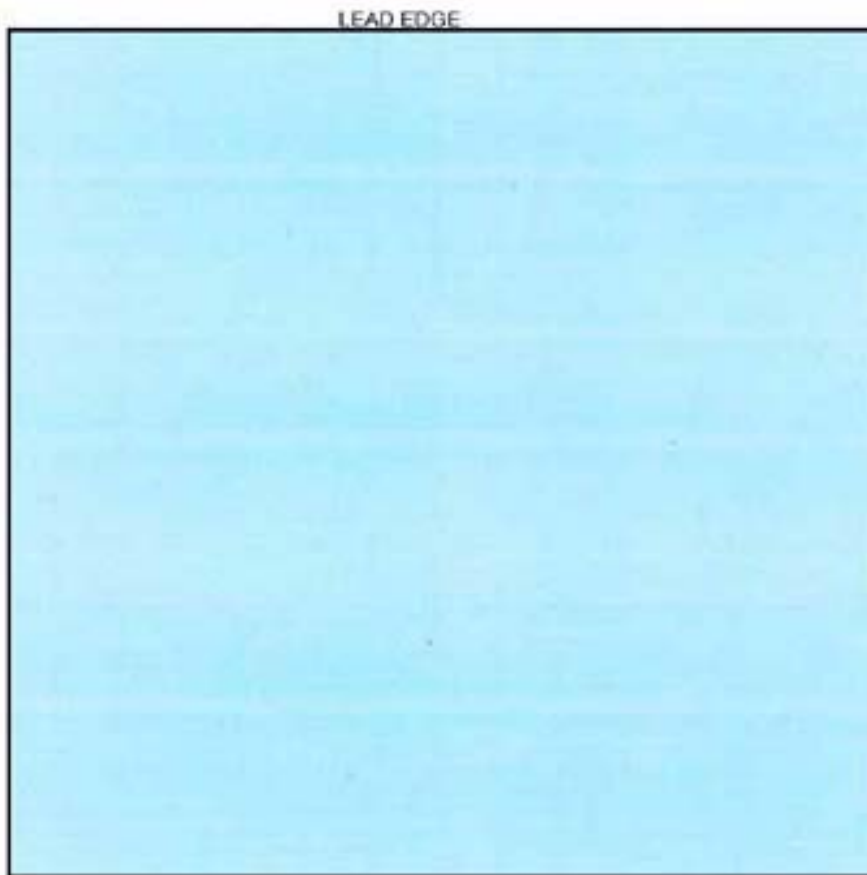


Figure 1 Periodical Error Sample j0pi3114

Cause

Damage, uneven density, or blanks due to rotary parts. The interval is equal to the effective circumference of the parts.

Countermeasures

Proceed to 'IQ-2 FIP for periodical spots, stripes, bands etc'.



Figure 1 Ghost Image Error Sample j0pi3115

Cause

Improper cleaning of the IBT and/or IBT Belt failure

Countermeasures

Proceed to 'IQ-16 FIP for ghost images'.

IDS15b Streak-shaped Blanks in Process Direction



Figure 1 Streak-shaped Blanks Error Sample j0pi3116

Cause

The ROS Window is contaminated or the IBT Belt/Drum Cartridge is damaged/in contact

Countermeasures

Proceed to 'IQ-12 FIP for vertical streaks'.

IDS16b Wrinkled Image

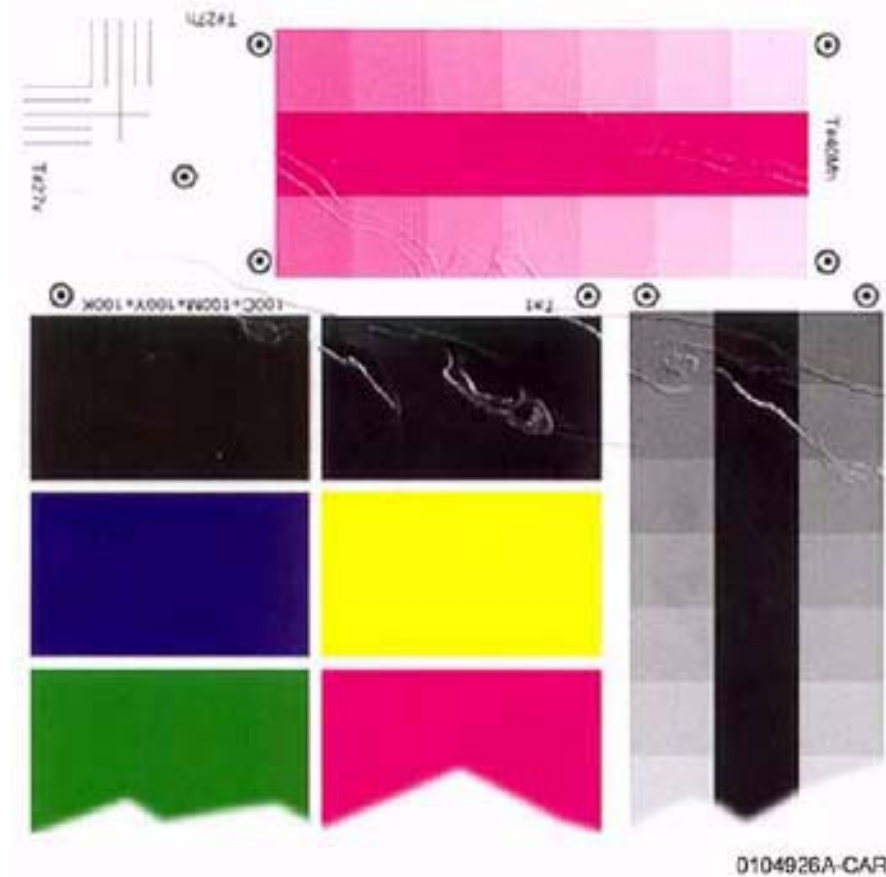


Figure 1 Wrinkled Image Error Samples 0104928, j0pi3117

Cause

Irregular deformation occurring between the IBT and the Fusing Unit, or 'tenting' of paper due to the Fusing Unit. Also, the paper might already be wrinkled.

Countermeasures

Proceed to 'IQ-19 FIP for paper crease'.

IDS17b Cloud-shaped Error

IDS18b Streaks due to IBT Cleaner

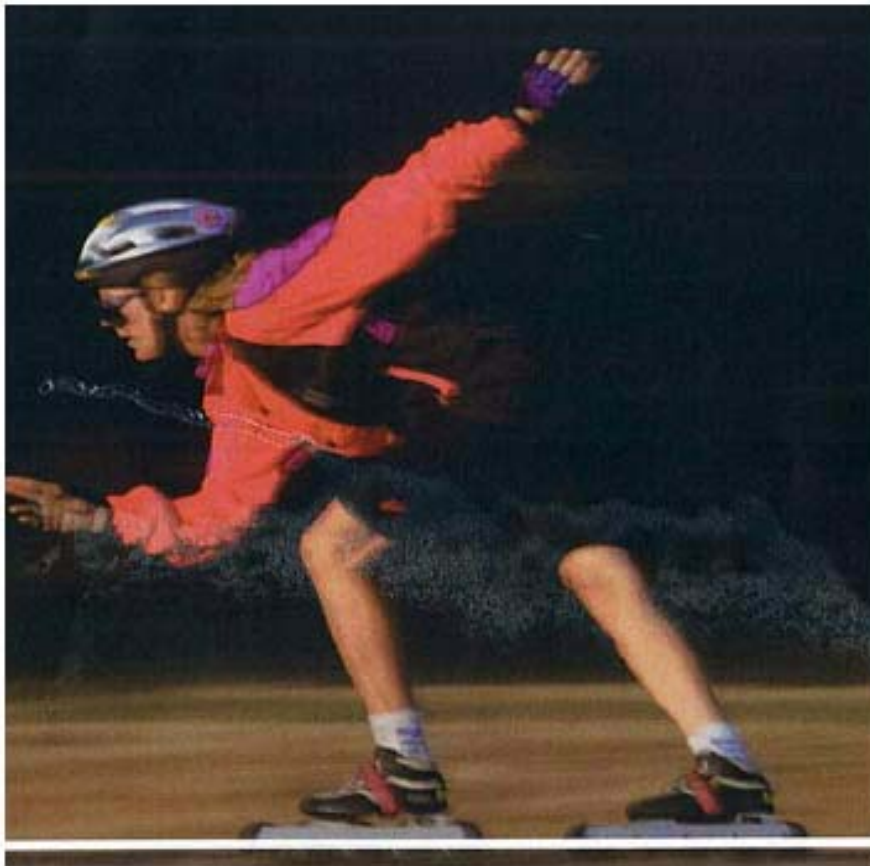


Figure 1 Cloud-shaped Error Sample j0pi3118

Cause

Paper deformation occurring between the IBT and the Fusing Unit, or 'tenting' of paper at the Fusing Unit (paper deformation at the perforation).

Countermeasures

Proceed to 'IQ-2 FIP for periodical spots, stripes, bands etc'.



Figure 1 Streaks due to IBT Cleaner Error Sample j0pi3119

Cause

Damage or wear of the IBT Cleaner Assembly

Countermeasures

Proceed to 'IQ-12 FIP for vertical streaks'.

IDS19b Streaks due to Scorotron



Figure 1 Streaks due to Scorotron Sample j0pi3120

Cause

Contamination or failure of the Scorotron

Countermeasures

Proceed to 'IQ-27 Scorotron Cleaner RAP'.

IDS20b Bands due to Scorotron Cleaner



Figure 1 Scorotron Cleaner Error Sample j0pi3121

Cause

Failure of the Scorotron or the Cleaning Motor Assembly. The Cleaning Pad is in contact with the image area, causing 18 mm bands to appear irregularly at the IB-OB area in the Process direction.

Countermeasures

Proceed to 'IQ-27 Scorotron Cleaner RAP'.

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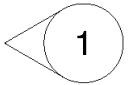
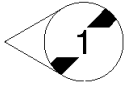
4.1 Preface

This section contains procedures required for parts disassembly, assembly, replacement and adjustment in the field service.

4.1.1 How to Use the Disassembly/Assembly and Adjustment

- For installation procedures, only NOTES are described here since installation procedures are reverse of removal ones.
- (Figure X) at the beginning of a procedure indicates that its detailed steps are shown in illustration. Numbers in the illustration indicate the sequence of the steps.
- (REP X.X.X) at the end of a procedure indicates the replacement procedure to be referred to.
- Item numbers of disassembly/assembly and adjustment procedures (i.e. REP/ADJ No.) correlate to PL No. in Chapter 5 Parts List. Therefore, an appropriate replacement or adjustment procedure can easily be referred to a PL No. or vice versa. E.g. The replacement or adjustment procedure of Component PL1.1 is REP1.1.X or ADJ1.1.X.
- When replacement/adjustment procedures or title items vary by modification or model, the modification number or the model are indicated at the beginning or the end of the respective titles or procedures.
 - E.g. 1) REP X.X.X Main PWB [w/Tag 1V]
 - *Indicates that the entire procedure under this title applies to machines with Tag 1V.
 - E.g. 2)

Table 1

Symbol	Description
 <p>Figure 1 4001</p>	4001: Indicates that a specific part has been modified by the tag number within the circle.
 <p>Figure 2 4002</p>	4002: Indicates that the configuration of the part shown is the configuration before the part was modified by the number within the circle.

6. Positions or directions of the machine and directions inside the machine used in the procedure are defined as listed below.

- Front: Front of the machine
- Right: Right-hand side facing the machine.
- Left: Left-hand side facing the machine.
- Rear: Rear facing the machine.

4.1.2 Terms and Symbols

Terms and symbols used throughout this manual are explained here.

Danger

Indicates an imminently hazardous situation, such as death or serious injury if operators do not handle the machine correctly by disregarding the statement.

Warning

Indicates a potentially hazardous situation, such as death or serious injury if operators do not handle the machine correctly by disregarding the statement.

CAUTION

Indicates a potentially hazardous situation, such as injury or property damage if operators do not handle the machine correctly by disregarding the statement.

Instruction: Used to alert you to a procedure, if not strictly observed, could result in damage to the machine or equipment.

NOTE: Used when work procedures and rules are emphasized.

NOTE: Used when other explanations are given.

Purpose

Used to describe the purposes of Adjustment.

Safety Critical Components (SCC)

For the safety control of the Safety Critical Components and the components specified, follow the regulations regarding the Safety Critical Components set by Fuji Xerox Co., Ltd.

As to replacement of any component designated SCC, the complete component unit must be replaced. It must never be disassembled or no individual internal parts of it must be replaced.

Installation of any part other than the ones designated by Fuji Xerox Co. Ltd. shall be strictly prohibited because it cannot be guaranteed in quality and safety.

Important Information Stored Component (ISC)

This component stores all the important customer information that is input after the installation. When performing replacement, follow the procedures in 'Chapter 4 Disassembly/Assembly Adjustment' to replace/discard. Make absolutely sure that no customer information gets leaked outside.

REP 1.2.1 Opening/Closing of IIT Frame

Parts List on PL 1.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Move the Brace Shaft in the proper direction (A). The Brace Shaft might break if strength is applied in direction B. (Figure 1)

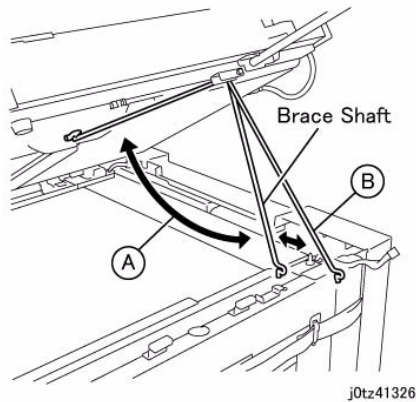


Figure 1 j0tz41326

1. If the machine has the HCF attached, detach the HCS.
2. [Color C75 Press]
Detach the I/F Module (REP 37.1.1) or the Finisher.
[Color J75 Press]
Detach the I/F Cooling Module (REP 38.1.1) or the Finisher.
3. Remove the Top Front Cover Assembly. (PL 1.1)
4. Remove the IIT Right Cover. (PL 1.1)
 - Installation screw: x2 at the top, x2 at the right
5. Remove the S104 Control Panel together with the Wing Tray Assembly. (PL 1.9)
 - Installation Thumbscrew: x2 at the left

- Installation screw (M3): x2 at the bottom
- Wing Stopper: x2 at the left
- Installation screw (M4): x2 at the left
6. Remove the IIT Left Cover. (PL 1.1)
 - Installation screw: x2 at the top, x2 at the left
7. Remove the MSI. (REP 13.1.1)
8. Remove the Left Upper Cover. (PL 19.2)
 - Installation screw: x2 at the left
9. Remove the Rear Upper Cover. (PL 19.2)
 - Installation screw: x4 at the rear
10. Disconnect the IIT-ESS Video Cable. (Figure 2)
 - (1) Disconnect the IIT-ESS Video Cable.

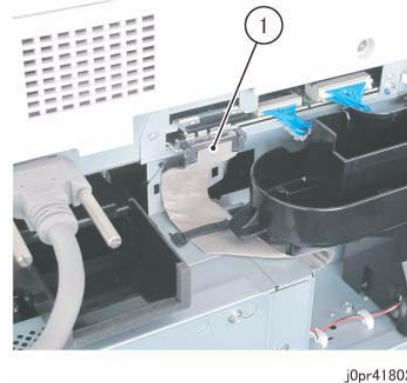


Figure 2 j0pr41802

11. Remove the screw. (Figure 3)
 - (1) Hook the IIT-ESS Video Cable to the ESS Duct Tab.
 - (2) Remove the screw.

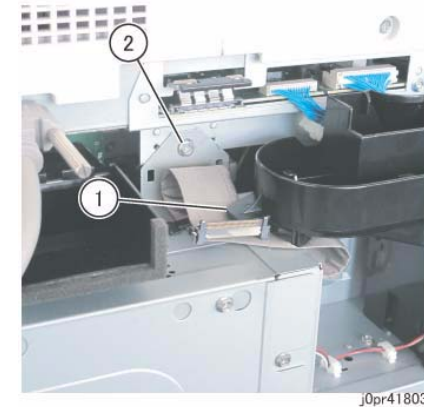


Figure 3 j0pr41803

12. Remove the Arm Shaft used for opening/closing the IIT Frame from the IIT Frame. (Figure 4)
 - (1) Remove the Arm Shaft.

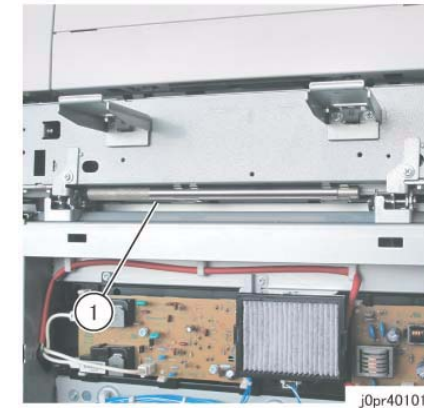
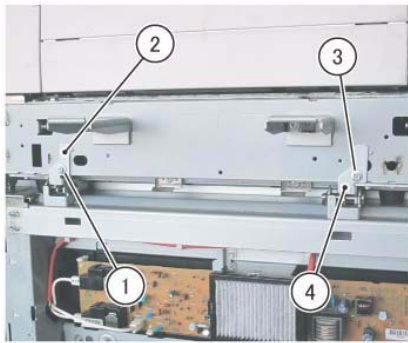


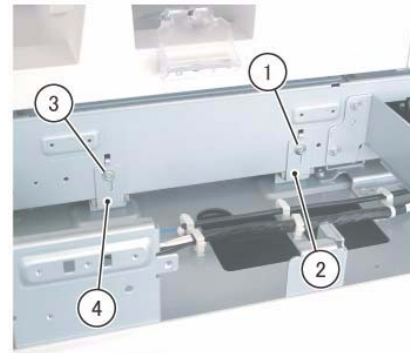
Figure 4 j0pr40101

13. Remove the stopper (x2) on the left of the IIT. (Figure 5)
 - (1) Remove the Forming Screw.
 - (2) Remove the stopper.
 - (3) Remove the Forming Screw.
 - (4) Remove the stopper.



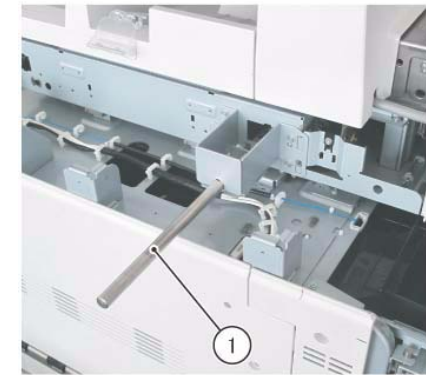
j0pr40102

Figure 5 j0pr40102



j0pr40104

Figure 7 j0pr40104

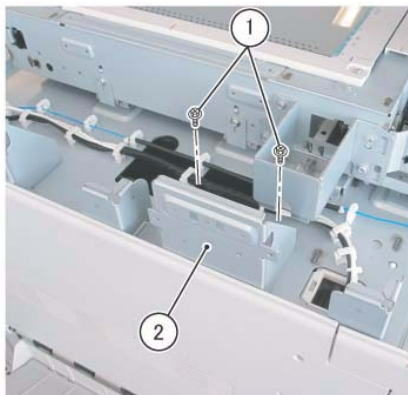


j0pr40105

Figure 9 j0pr40105

14. Remove the Wing Bracket at the rear. (Figure 6)

- (1) Remove the screw (x2).
- (2) Remove the Wing Bracket.



j0pr40103

Figure 6 j0pr40103

16. Insert the screwdriver into the hole of the DADF-250 Counter Balance to secure the DADF such that it cannot open. (Figure 8)

- (1) Attach the Arm Shaft.

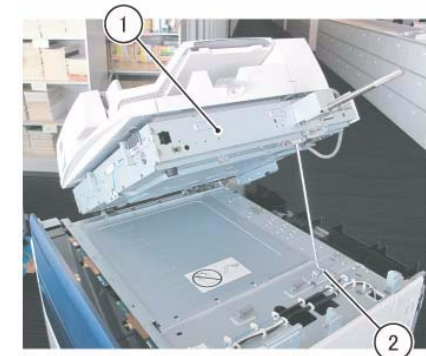


j0mh40110

Figure 8 j0mh40110

18. Open the IIT Frame. (Figure 10)

- (1) Open the IIT Frame.
- (2) Insert the end of the Brace Shaft into the hole.



j0pr40106

Figure 10 j0pr40106

15. Remove the stopper (x2) on the right of the IIT. (Figure 7)

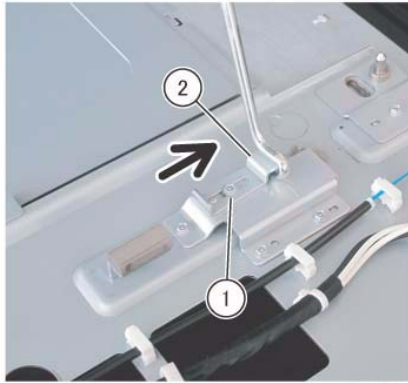
- (1) Remove the Forming Screw.
- (2) Remove the stopper.
- (3) Remove the Forming Screw.
- (4) Remove the stopper.

17. Attach the Arm Shaft. (Figure 9)

- (1) Attach the Arm Shaft.

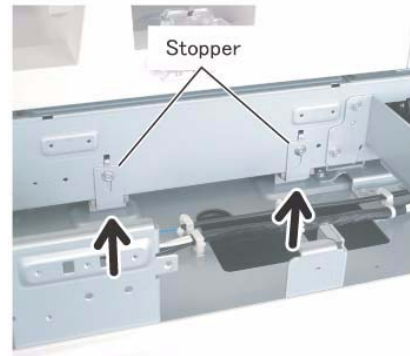
19. Secure the Brace Shaft. (Figure 11)

- (1) Loosen the screw.
- (2) Move the Lock Brace Bracket in the direction of the arrow and secure it with the screw in (1).



j0pr40107

Figure 11 j0pr40107



j0pr40109

Figure 13 j0pr40109

REP 1.3.1 Platen Glass

Parts List on PL 1.3

Replacement

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. When installing, push the Plate Glass diagonally towards the left and the rear and push the Right Plate towards the left. (Figure 1)

Replacement

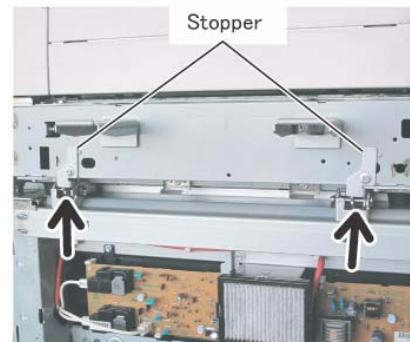
1. To install, carry out the removal steps in reverse order.

NOTE: When closing the IIT Frame, make sure that the IIT-ESS Video Cable is hooked to the ESS Duct Tab so that the cable will not be pinched. (Figure 12)



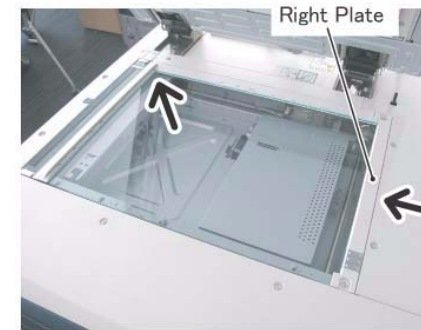
j0pr40108

Figure 12 j0pr40108



j0pr40110

Figure 14 j0pr40110



j0pr40111

Figure 1 j0pr40111

2. Push the stopper (x2) at the right of the IIT in the direction of the arrows and secure them. (Figure 13)

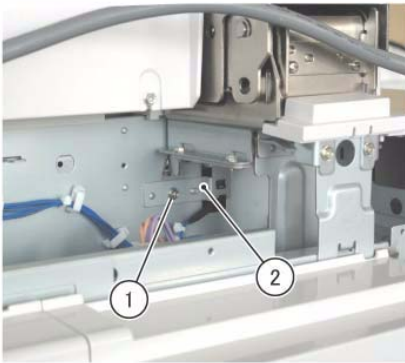
2. After replacement, perform DC945 IIT Calibration. (6.4.2.34 in Chapter 6)

REP 1.4.1 IIT Registration Sensor**Parts List on PL 1.4****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

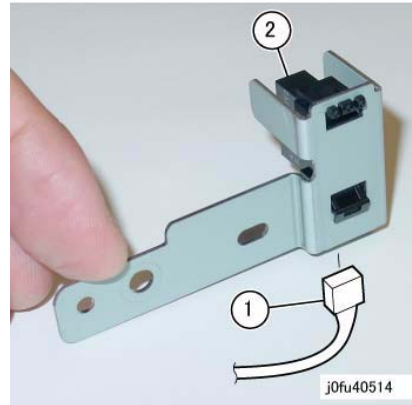
1. Remove the IIT Rear Cover. (PL 1.1)
 - Installation screw: x4 at the rear
2. Remove the Top Rear Cover 2. (PL 1.1)
3. Remove the IIT Registration Sensor. (Figure 1)
 - (1) Remove the screw.
 - (2) Remove the IIT Registration Sensor.



j0mh40117

Figure 1 j0mh40117

4. Detach the IIT Registration Sensor from the Bracket. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Detach the IIT Registration Sensor from the Bracket.

**Figure 2 j0fu40514****Replacement**

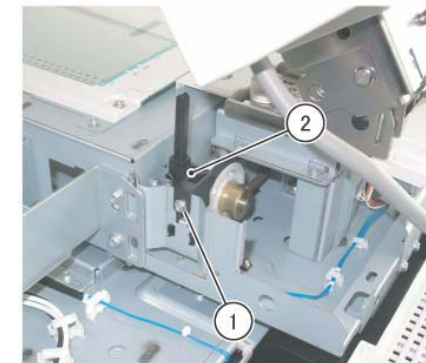
1. To install, carry out the removal steps in reverse order.

REP 1.4.2 Platen Angle Sensor**Parts List on PL 1.4****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

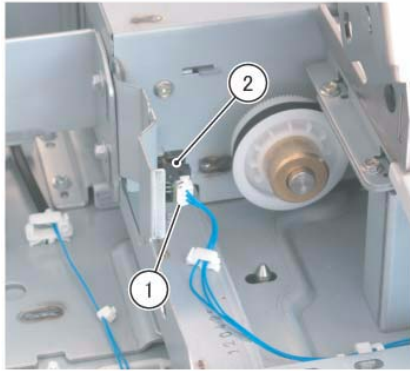
1. Secure the DADF at the service position. (REP 54.1.2)
2. Remove the IIT Right Cover. (PL 1.1)
 - Installation screw: x2 at the top, x2 at the right
3. Remove the Actuator. (Figure 1)
 - (1) Remove the screw.
 - (2) Remove the Actuator.



j0pr40112

Figure 1 j0pr40112

4. Remove the Platen Angle Sensor. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Remove the Platen Angle Sensor.



j0pr40113

Figure 2 j0pr40113

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, enter Diag Mode and clear the [DC135 HFSI] counter.
"Chain-Link: 956-808"

REP 1.4.3 Lens and CCD

Parts List on PL 1.4

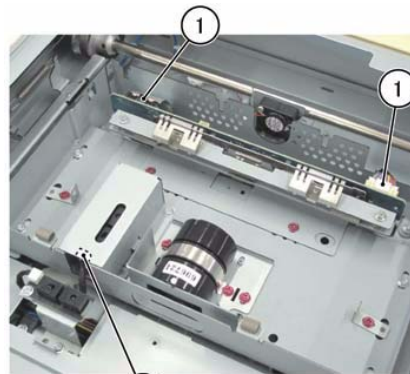
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

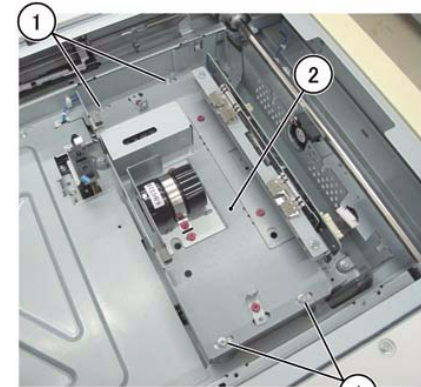
1. Secure the DADF at the service position. (REP 54.1.2)
2. Remove the Right Plate. (PL 1.3)
3. Remove the Platen Glass. (REP 1.3.1)
4. Remove the Lens Cover. (PL 1.3)
 - Installation screw: x4 at the top
5. Disconnect the connector (x3). (Figure 1)
 - (1) Disconnect the connector (x3).



j0hk40111

Figure 1 j0hk40111

6. Remove the lens and CCD. (Figure 2)
 - (1) Remove the screw (x4).
 - (2) Remove the lens and CCD.



j0hk40112

Figure 2 j0hk40112

Replacement

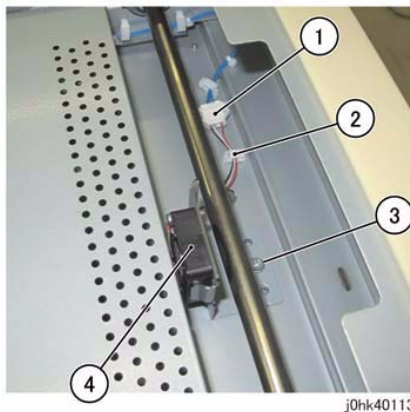
1. To install, carry out the removal steps in reverse order.
2. After replacing the lens and CCD, make a copy of the Test chart on A3 paper. Check the Lead/Tail Edges and both the sides.
3. If any problems are found with the image (especially alignment), perform DC945 IIT Calibration. (6.4.2.34 in Chapter 6)

REP 1.4.4 CCD Fan**Parts List on PL 1.4****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

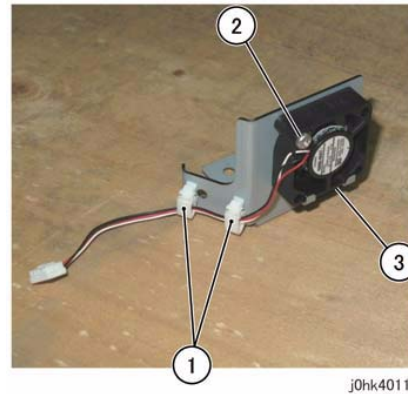
Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Secure the DADF at the service position. (REP 54.1.2)
2. Remove the IIT Right Cover. (PL 1.1)
 - Installation screw: x2 at the top, x2 at the right
3. Remove the Right Plate. (PL 1.3)
4. Remove the Platen Glass. (REP 1.3.1)
5. Remove the screw that secure the CCD Fan. (Figure 1)
 - (1) Disconnect the connector.
 - (2) Release the wire harness from the clamp.
 - (3) Remove the screw.
 - (4) Remove CCD Fan.

**Figure 1 j0hk40113**

6. Detach the CCD Fan from the Bracket. (Figure 2)
 - (1) Release the wire harness from the clamp (x2).
 - (2) Remove the screw.

- (3) Detach the CCD Fan from the Bracket.

**Figure 2 j0hk40114****Replacement**

1. To install, carry out the removal steps in reverse order.

REP 1.4.5 (SCC) IIT PWB**Parts List on PL 1.4****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Static electricity may damage electrical parts. Static electricity may damage electrical parts. Always wear a wrist band during servicing. If a wrist band is not available, touch some metallic parts before servicing to discharge the static electricity.

1. Secure the DADF at the service position. (REP 54.1.2)
2. Remove the IIT Rear Cover. (PL 1.1)
 - Installation screw: x4 at the rear
3. Remove the Top Rear Cover 2. (PL 1.1)
4. Remove the Rear Upper Cover. (PL 19.2)
 - Installation screw: x5 at the rear
5. Disconnect the connector that is connected to the IIT PWB. (Figure 1)
 - (1) Disconnect the DADF Cable.
 - (2) Disconnect the Flat Cable (x3).
 - (3) Disconnect the connector (x6).

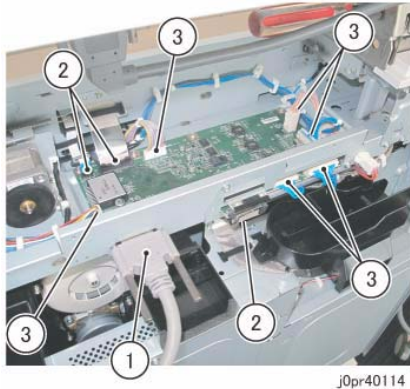


Figure 1 j0pr40114

6. Remove the IIT PWB. (Figure 2)
 - (1) Remove the screw (x7).
 - (2) Remove the Stud Screw (x2).
 - (3) Remove the IIT PWB.

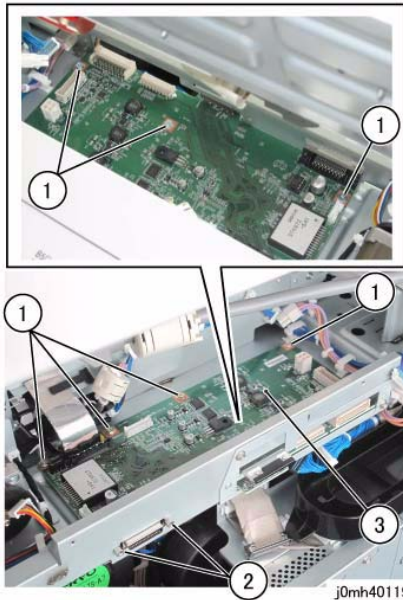


Figure 2 j0mh40119

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, remove the U505 SEEP ROM from the old IIT PWB and install it onto the new one. (Figure 3)
 - The U505 SEEP ROM stores the IIT/DADF alignment and density adjustment values. Therefore, re-enter any NVM that may have changed due to version upgrades.
 - After initializing the IISS NVM, re-enter the NVM that have changed from the values in the NVM Settings List that comes with the MC at shipment, and those that have changed after the installation.



Figure 3 j0pr40117

REP 1.5.1 (SCC) Carriage Motor

Parts List on PL 1.5

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Secure the DADF at the service position. (REP 54.1.2)
2. Remove the IIT Rear Cover. (PL 1.1)
 - Installation screw: x4 at the rear
3. Remove the Top Rear Cover 2. (PL 1.1)
4. Disconnect the connector of the Carriage Motor. (Figure 1)
 - (1) Disconnect the connector.
 - (2) Release the wire harness from the clamp (x4).
 - (3) Release the wire harness from the clamp (x2).

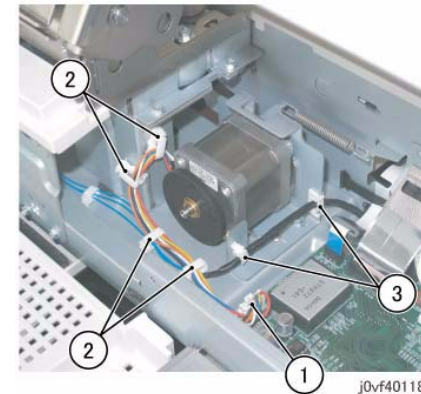


Figure 1 j0vf40118

5. Remove the screw that secure the Carriage Motor from the front. (Figure 2)
 - (1) Remove the screw (x2).

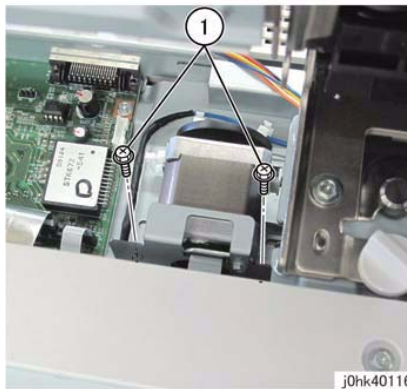


Figure 2 j0hk40116

6. Remove the Carriage Motor from the rear. (Figure 3)
 - (1) Remove the Tension Spring.
 - (2) Unhook the Belt from the Pulley of the Carriage Motor and remove the Carriage Motor.

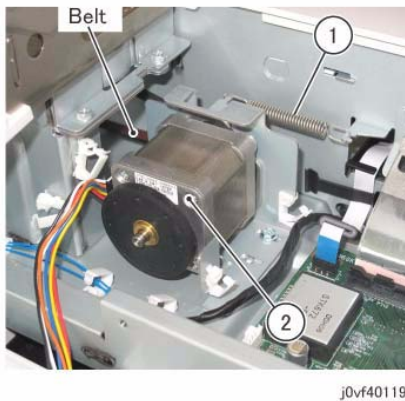


Figure 3 j0vf40119

Replacement

1. To install, carry out the removal steps in reverse order.

REP 1.5.2 Carriage Cable

Parts List on PL 1.5

Reference

The coatings of the front and rear Carriage Cable are different.

Front: Black

Rear: Silver

NOTE: This section describes the installation and removal procedures for the rear Carriage Cable.

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

NOTE: The front and rear Carriage Cable must be removed and replaced separately.

1. Remove the S104 Control Panel together with the Wing Tray Assembly. (PL 1.9)
 - Installation Thumbscrew: x2 at the left
 - Installation screw (M4): x2 at the left
 - Wing Stopper: x2 at the left
 - Installation screw (M3): x2 at the bottom
2. Secure the DADF at the service position. (REP 54.1.2)
3. Remove the IIT Right Cover. (PL 1.1)
 - Installation screw: x2 at the top, x2 at the right
4. Remove the Right Plate. (PL 1.3)
5. Remove the Platen Glass. (REP 1.3.1)
6. Remove the IIT Left Cover. (PL 1.1)
 - Installation screw: x2 at the top, x1 at the left
7. Remove the Top Front Cover Assembly. (PL 1.1)
8. The installation position of the front support. (Figure 1)
 - (1) The position of the support.

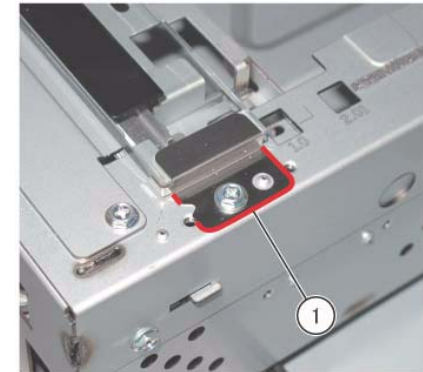


Figure 1 j0pr40115

9. Remove the CVT Platen Glass. (Figure 2)
 - (1) Remove the screw.
 - (2) Remove the support.
 - (3) Remove the CVT Platen Glass.

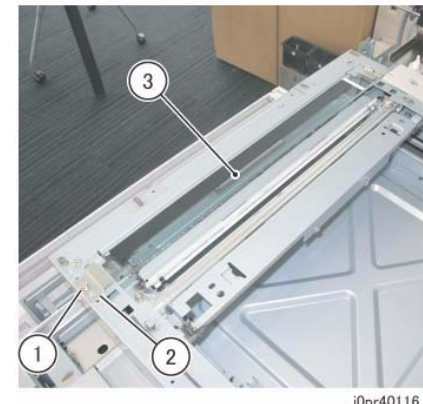


Figure 2 j0pr40116

10. Take out the Full Rate Carriage from the IIT Frame. (REP 1.5.3)
 - The Slide Cable connector can be left connected.
11. Move the Half Rate Carriage until the Carriage Cable ball of the Capstan Pulley is positioned according to the conditions (A) and (B) described below. (Figure 3)
 - (A) Turns of the Carriage Cable

Front: 3 rounds

Rear: 2 rounds

(B) The ball is positioned directly above

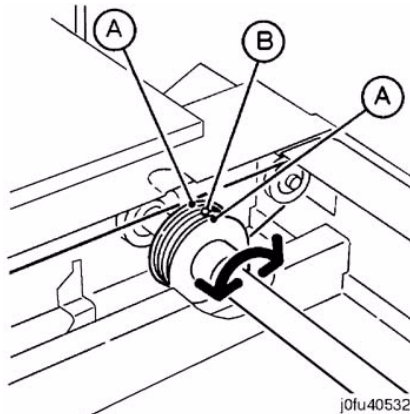


Figure 3 j0fu40532

12. Remove the Carriage Cable. (Figure 4)

- (1) Remove the Tension Spring.
- (2) Detach the Carriage Cable from the Tension Spring.
- (3) Remove the ball from the groove.
- (4) Remove the Carriage Cable.

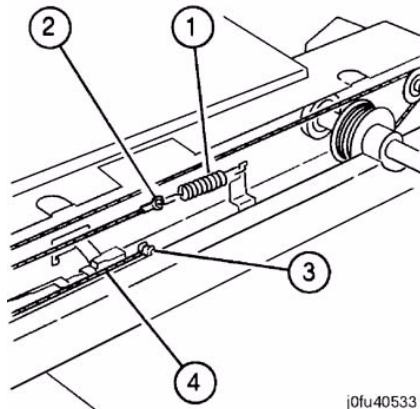


Figure 4 j0fu40533

Replacement

1. Insert the ball of the Carriage Cable into the Capstan Pulley. (Figure 5)
 - (1) Insert the ball into the groove of the Capstan Pulley.(A) Clip
(B) Ball

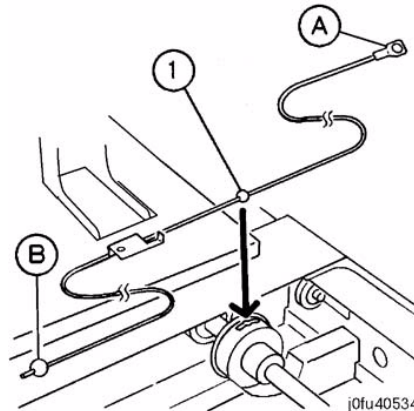


Figure 5 j0fu40534

2. Wind the clip end of the Carriage Cable for 3.5 turns. (Figure 6)
 - (1) Wind the clip end of the Carriage Cable for 3.5 turns on the Capstan Pulley.
 - (2) Fix the Carriage Cable on the clip end with adhesive tape.

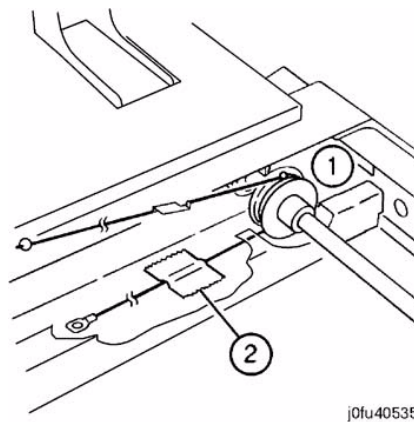


Figure 6 j0fu40535

3. Wind the ball end of the Carriage Cable for 2.5 turns. (Figure 7)
 - (1) Wind the ball end of the Carriage Cable for 2.5 turns on the Capstan Pulley.
 - (2) Fix the Carriage Cable wound onto the Capstan Pulley with tape to prevent it from loosening.

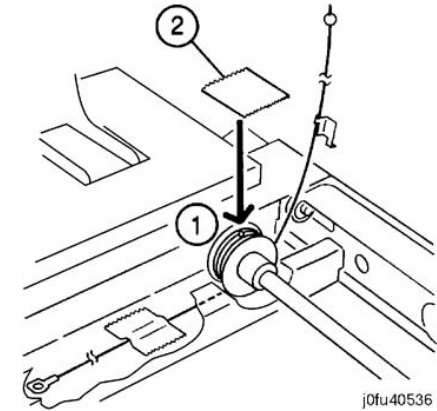


Figure 7 j0fu40536

NOTE: The following figure shows the respective number of turns for both the front and rear Carriage Cable. (Figure 8)

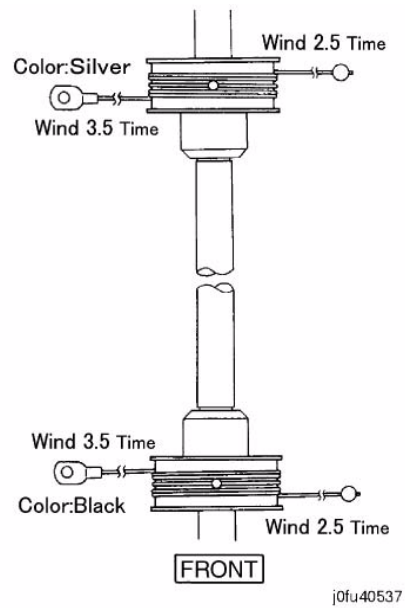


Figure 8 j0fu40537

4. Install the ball end of the Carriage Cable. (Figure 9)
 - (1) Hang the Carriage Cable on the Pulley. (From bottom to top)
 - (2) Hang it on the larger Pulley on the Half Rate Carriage. (From bottom to top)
 - (3) Insert the ball into the groove on the IIT Frame.

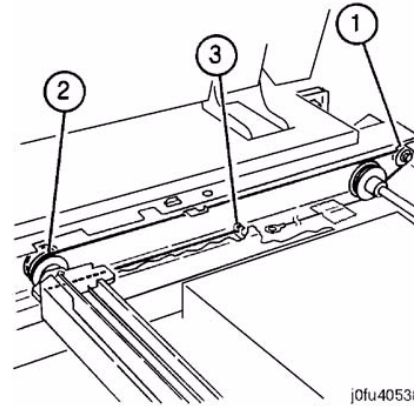


Figure 9 j0fu40538

5. Install the clip end of the Carriage Cable. (Figure 10)
 - (1) Hang the Carriage Cable on the Pulley. (From bottom to top)
 - (2) Hang it on the smaller Pulley on the Half Rate Carriage. (From bottom to top)
 - (3) Hook it to the stud. (From bottom to top)
 - (4) Attach the clip of the Carriage Cable to the Tension Spring.
 - (5) Hook the Tension Spring to the IIT Frame.

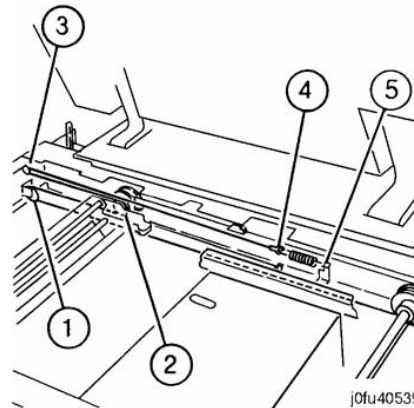


Figure 10 j0fu40539

6. Remove the tape that was used to prevent the Carriage Cable from loosening.

7. Put the Full Rate Carriage into the IIT Frame.
8. Adjust the position of Full/Half Rate Carriage Cable. (ADJ 1.1.1)
9. Manually move the Full Rate Carriage to ensure that it moves smoothly.
10. To install, carry out the removal steps in reverse order starting from Step 9.

REP 1.5.3 Full Rate Carriage

Parts List on PL 1.5

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Secure the DADF at the service position. (REP 54.1.2)
2. Remove the Right Plate. (PL 1.3)
3. Remove the Platen Glass. (REP 1.3.1)
4. Remove the screw that secure the Carriage Cable at the notch on the IIT Frame. (Figure 1)
 - (1) Move the Full Rate Carriage to the notch on the IIT Frame.
 - (2) Remove the screw (blue: x2).

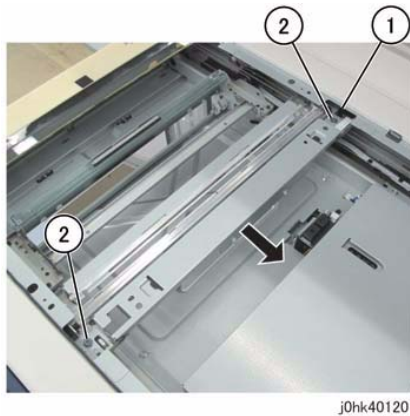


Figure 1 j0hk40120

5. Remove the Full Rate Carriage. (Figure 2)
 - (1) Rotate the Full Rate Carriage in the direction of the arrow.
 - (2) Remove the Full Rate Carriage.

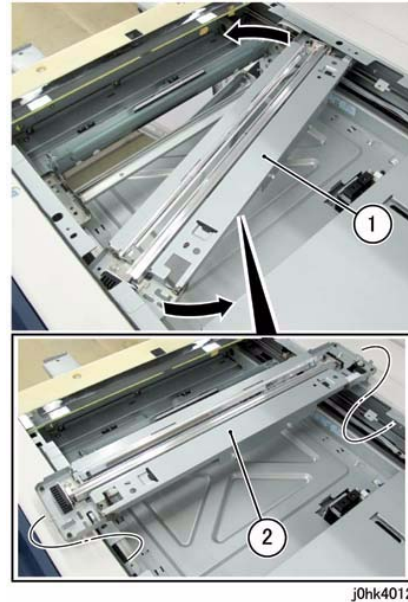


Figure 2 j0hk40121

Replacement

1. To install, carry out the removal steps in reverse order.
2. Adjust the position of Full/Half Rate Carriage. (ADJ 1.1.1)

REP 1.6.1 LED Lamp

Parts List on PL 1.6

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Secure the DADF at the service position. (REP 54.1.2)
2. Remove the IIT Right Cover. (PL 1.1)
 - Installation screw: x2 at the top, x2 at the right
3. Remove the Right Plate. (PL 1.3)
4. Remove the Platen Glass. (REP 1.3.1)
5. Remove the Holder Assembly. (Figure 1)
 - (1) Disconnect the Flat Cable.
 - (2) Remove the screw (x2).
 - (3) Remove the Holder Assembly.

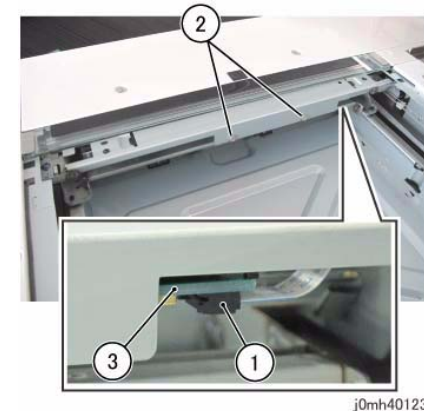
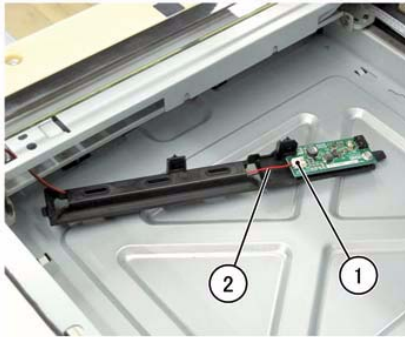


Figure 1 j0mh40123

6. Disconnect the connector. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Release the wire harness from the Holder.

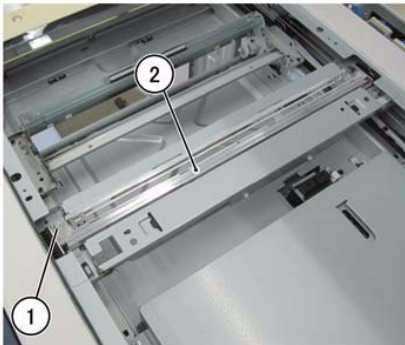
"Chain-Link: 956-804"



j0hk40126

Figure 2 j0hk40126

7. Move the Full Rate Carriage to the notch on the IIT Frame.
8. Remove the LED Lamp. (Figure 3)
 - (1) Remove the screw.
 - (2) Remove the LED Lamp.



j0hk40127

Figure 3 j0hk40127

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, perform DC945 IIT Calibration. (6.4.2.34 in Chapter 6)
3. After replacement, clear the [DC135 HFSI] counter.

"Chain-Link: 956-803"

REP 1.6.2 PS LED PWB

Parts List on PL 1.6

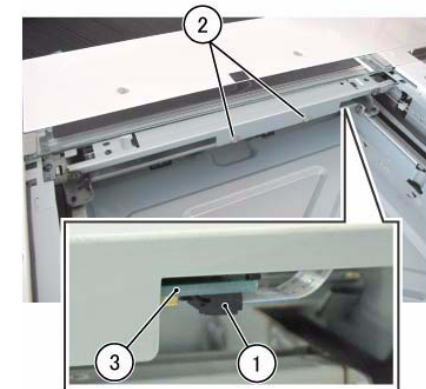
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

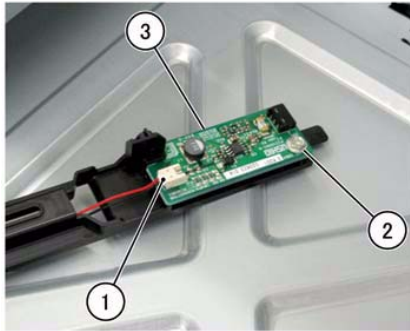
1. Secure the DADF at the service position. (REP 54.1.2)
2. Remove the IIT Right Cover. (PL 1.1)
 - Installation screw: x2 at the top, x2 at the right
3. Remove the Right Plate. (PL 1.3)
4. Remove the Platen Glass. (REP 1.3.1)
5. Remove the Holder Assembly. (Figure 1)
 - (1) Disconnect the Flat Cable.
 - (2) Remove the screw (x2).
 - (3) Remove the Holder Assembly.



j0mh40123

Figure 1 j0mh40123

6. Remove the PS LED PWB. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Remove the screw.
 - (3) Remove the PS LED PWB.



j0hk40128

Figure 2 j0hk40128

Replacement

1. To install, carry out the removal steps in reverse order.

REP 2.1.1 (SCC) ROS Assembly (C, K)

Parts List on PL 2.1

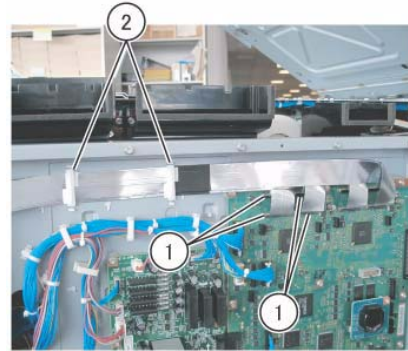
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

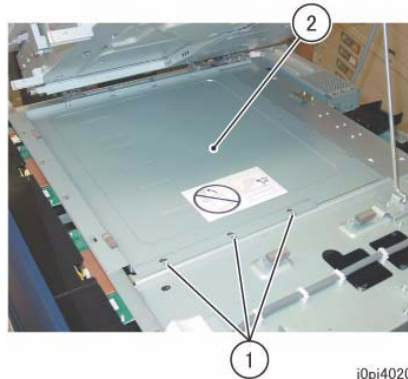
1. Remove the Toner Cartridge (Y, M, C, K).
2. Open the IIT. (REP 1.2.1)
3. Remove the following parts:
 - [Color C75 Press]
Either remove the OCT and the OCT Exit Fan or else detach the I/F Module (REP 37.1.1) or the Finisher.
[Color J75 Press]
Detach the I/F Cooling Module (REP 38.1.1) or the Finisher.
 - Remove the Right Upper Rear Cover. (PL 19.1)
 - Installation screw: x2 at the right
 - Remove the Right Upper Cover. (PL 19.1)
 - Installation screw: x2 at the right
 - Remove the MCU Cover. (PL 18.1)
 - Installation screw: x14 at the rear
4. Disconnect the Flat Cable (C, K). (Figure 1)
 - (1) Disconnect the Flat Cable (C: x2, K: x2).
 - (2) Remove the clamp (x2).



j0pr40201

Figure 1 j0pr40201

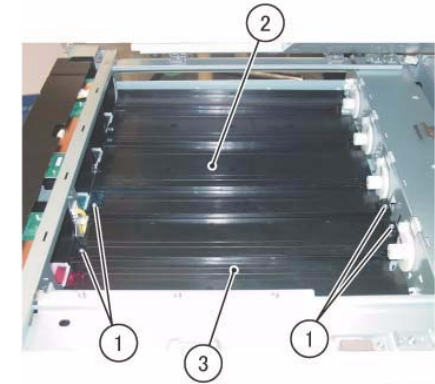
5. Remove the IIT Plate. (Figure 2)
 - (1) Loosen the screw (x3).
 - (2) Remove the IIT Plate.



j0pi40202

Figure 2 j0pi40202

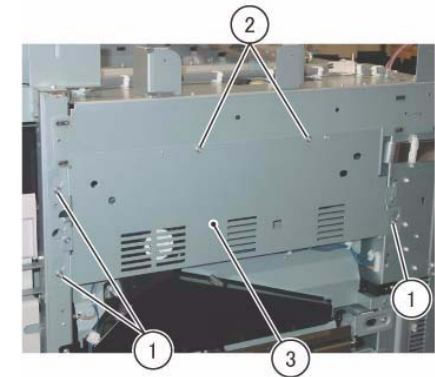
6. Remove the ROS Right/Left Cover. (Figure 3)
 - (1) Remove the screw (x4).
 - (2) Remove the ROS Left Cover.
 - (3) Remove the ROS Right Cover.



j0pi40203

Figure 3 j0pi40203

7. Remove the Plate. (Figure 4)
 - (1) Loosen the screw (x3).
 - (2) Remove the screw (x2).
 - (3) Remove the Plate.



j0pi40204

Figure 4 j0pi40204

8. Release the Flat Cable (C, K) from the clamp (x2). (Figure 5)
 - (1) Release the Flat Cable from the clamp (x2).

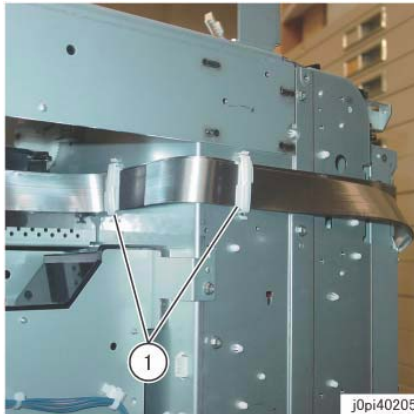


Figure 5 j0pi40205

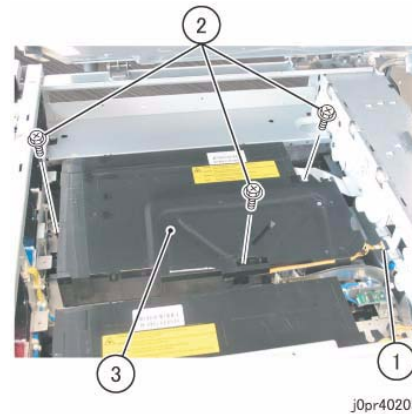


Figure 7 j0pr40203



Figure 9 j0hk40204

9. Move the Flat Cable (C, K) to the ROS side. (Figure 6)
- (1) Release the clamp (x2).
 - (2) Move the Flat Cable (C, K).

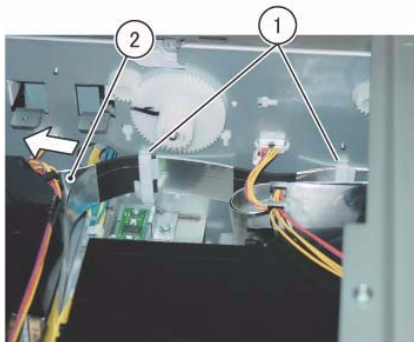


Figure 6 j0pi40206

11. Remove the ROS Assembly (C, K). (Figure 8)
- (1) Disconnect the Flat Cable (x2).
 - (2) Disconnect the Flat Cable (x2).
 - (3) Remove the ROS Assembly (C, K).

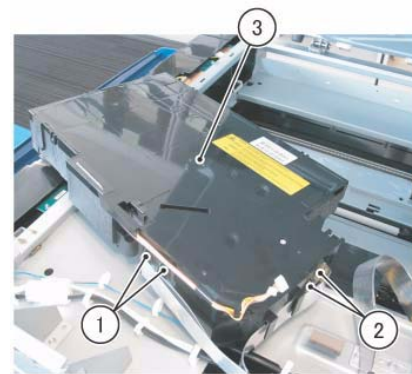


Figure 8 j0pr40204

10. Move the ROS (C, K). (Figure 7)
- (1) Disconnect the connector.
 - (2) Remove the screw (x3).
 - (3) Move the ROS (C, K).

E.g.) C-28 03 -17

- "Chain-Link: 759-903 : -28"
 - "Chain-Link: 759-907 : 3"
 - "Chain-Link: 759-911 : -17"
- :K-04 -03 -17
- "Chain-Link: 759-904 : -4"
 - "Chain-Link: 759-908 : -3"
 - "Chain-Link: 759-912 : -17"

3. Paste the removed Barcode Label in the Service Log to keep it.

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, peel off the Barcode Label from the new ROS Assembly (C, K) and input the value that is printed on it into the following NVM. (Figure 9)

REP 2.1.2 (SCC) ROS Assembly (Y, M)

Parts List on PL 2.1

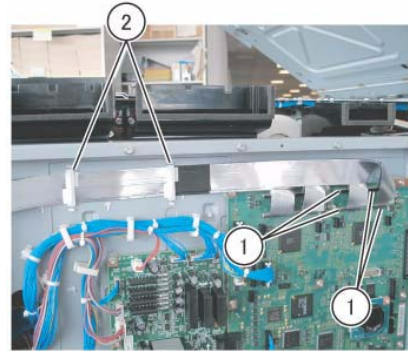
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

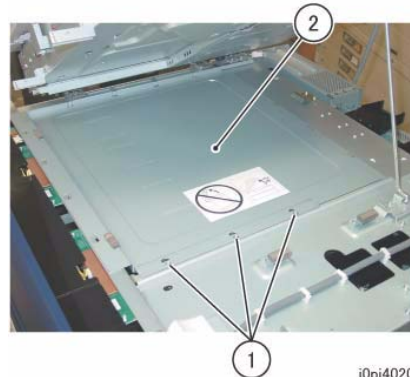
1. Remove the Toner Cartridge (Y, M, C, K).
2. Open the IIT. (REP 1.2.1)
3. Remove the following parts:
 - [Color C75 Press]
Either remove the OCT and the OCT Exit Fan or else detach the I/F Module (REP 37.1.1) or the Finisher.
[Color J75 Press]
Detach the I/F Cooling Module (REP 38.1.1) or the Finisher.
 - Remove the Right Upper Rear Cover. (PL 19.1)
 - Installation screw: x2 at the right
 - Remove the Right Upper Cover. (PL 19.1)
 - Installation screw: x2 at the right
 - Remove the Rear Upper Cover. (PL 19.2)
 - Installation screw: x5 at the right
 - Remove the MCU Cover. (PL 18.1)
 - Installation screw: x14 at the right
4. Disconnect the Flat Cable (Y, M). (Figure 1)
 - (1) Disconnect the Flat Cable (Y: x2, M: x2).
 - (2) Remove the clamp (x2).



j0pr40202

Figure 1 j0pr40202

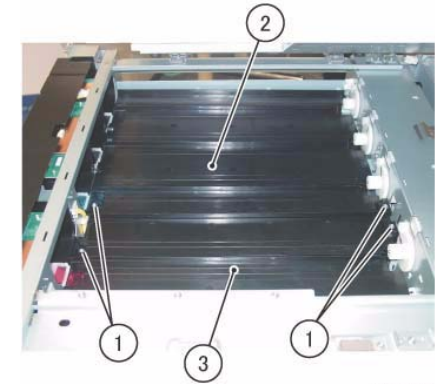
5. Remove the IIT Plate. (Figure 2)
 - (1) Loosen the screw (x3).
 - (2) Remove the IIT Plate.



j0pi40202

Figure 2 j0pi40202

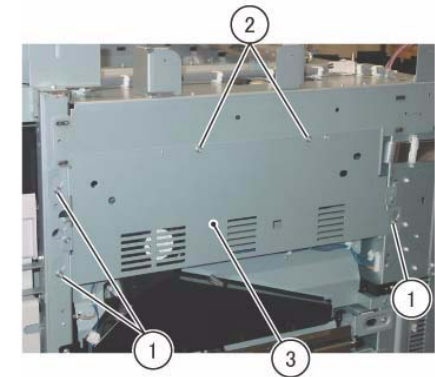
6. Remove the ROS Right/Left Cover. (Figure 3)
 - (1) Remove the screw (x4).
 - (2) Remove the ROS Right Cover.
 - (3) Remove the ROS Left Cover.



j0pi40203

Figure 3 j0pi40203

7. Remove the Plate. (Figure 4)
 - (1) Loosen the screw (x3).
 - (2) Remove the screw (x2).
 - (3) Remove the Plate.



j0pi40204

Figure 4 j0pi40204

8. Release the Flat Cable (Y, M) from the clamp (x2). (Figure 5)
 - (1) Release the Flat Cable from the clamp (x2).

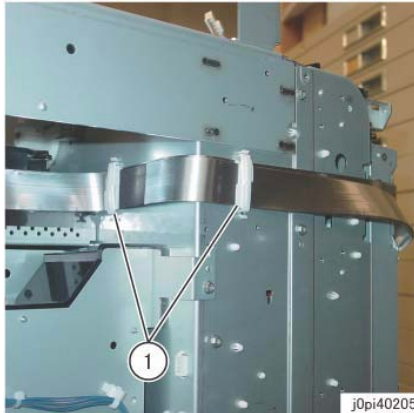


Figure 5 j0pi40205

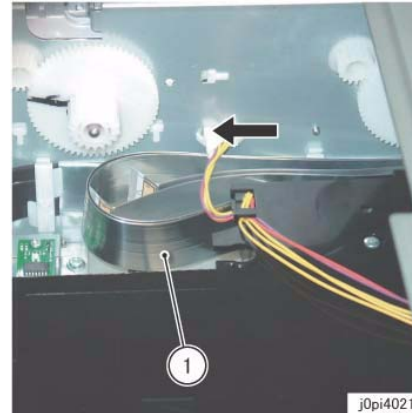


Figure 7 j0pi40211

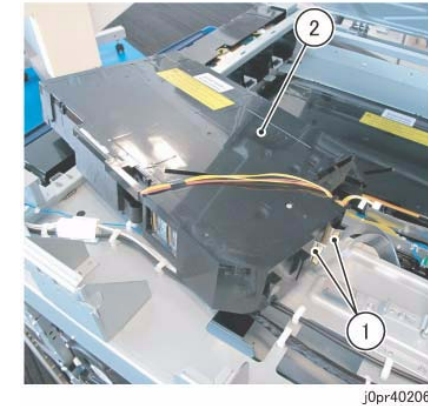


Figure 9 j0pr40206

9. Disconnect the Flat Cable. (Figure 6)
 - (1) Disconnect the Flat Cable.

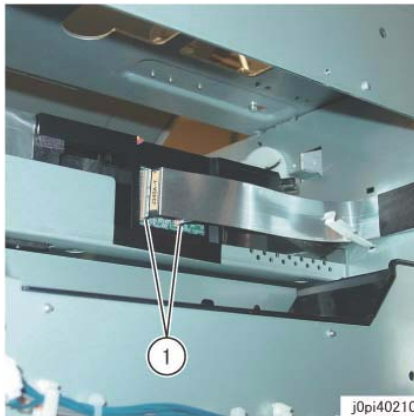


Figure 6 j0pi40210

11. Move the ROS (Y, M). (Figure 8)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x3).
 - (3) Move the ROS (Y, M).

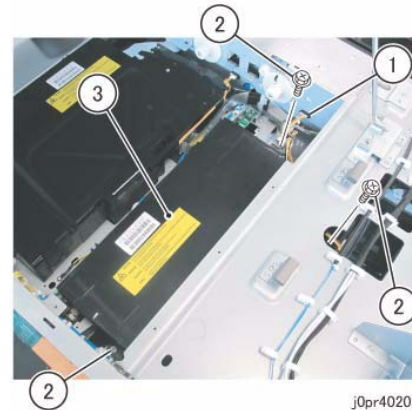


Figure 8 j0pr40205

10. Move the Flat Cable (Y, M) to the ROS side. (Figure 7)
 - (1) Move the Flat Cable (Y, M).

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, peel off the Barcode Label from the new ROS Assembly (Y, M) and input the value that is printed on it into the following NVM. (Figure 10)

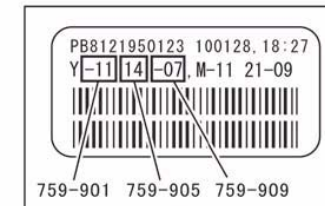


Figure 10 j0hk40205

12. Remove the ROS Assembly (Y, M). (Figure 9)
 - (1) Disconnect the Flat Cable (x2).
 - (2) Remove the ROS Assembly (Y, M).

E.g.) Y-11 14 -07

- "Chain-Link: 759-901 : -11"
- "Chain-Link: 759-905 : 14"
- "Chain-Link: 759-909 : -7"

:M-11 21 -09

- "Chain-Link: 759-902 : -11"
 - "Chain-Link: 759-906 : 21"
 - "Chain Link: 759-910 : -9"
3. Paste the removed Barcode Label in the Service Log to keep it.

REP 3.1.1 Main Drive Assembly

Parts List on PL 3.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Disconnect all cables that are connected to the Control part at the left of the machine.
2. Remove the Rear Upper Cover. (PL 19.2)
 - Installation screw: x5 at the rear
3. Open the IOT PWB Chassis Unit. (REP 18.1.1)
4. Remove the Main-K Duct. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the Main-K Duct.

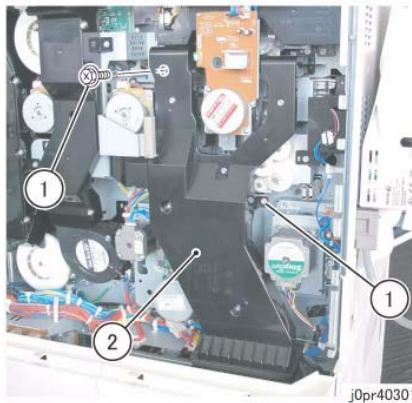


Figure 1 j0pr40301

5. Remove the V-Transport Duct. (Figure 2)
 - (1) Remove the screw (x2).
 - (2) Remove the V-Transport Duct.

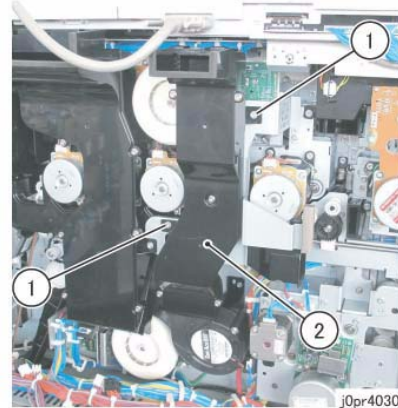


Figure 2 j0pr40302

6. Remove the V-Transport Fan Assembly. (Figure 3)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x2).
 - (3) Remove the V-Transport Fan Assembly.

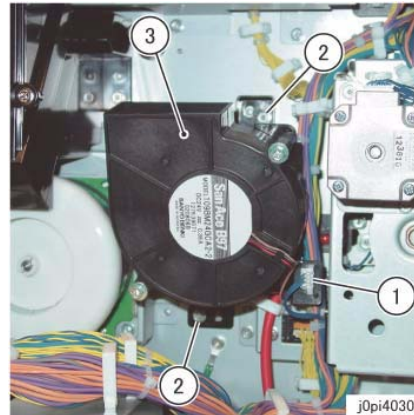


Figure 3 j0pi40305

7. Relax the tension of the Belt (x2). (Figure 4)
 - (1) Loosen the screw.
 - (2) Raise the Bracket.
 - (3) Tighten the screw.
 - (4) Loosen the screw.
 - (5) Lower the Bracket.

- (6) Tighten the screw.

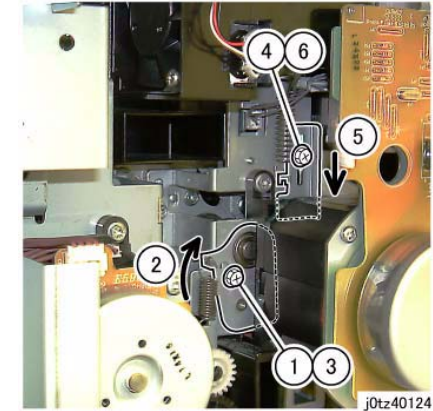


Figure 4 j0tz40124

8. Remove the Tension Bracket Assembly. (Figure 5)
 - (1) Remove the screw (x3).
 - (2) Remove the Tension Bracket Assembly.

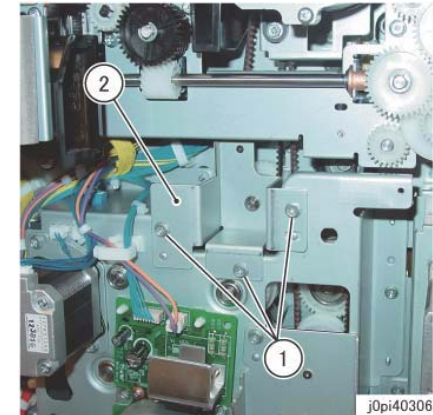


Figure 5 j0pi40306

9. Remove the Gear Bracket Assembly. (Figure 6)
 - (1) Remove the screw (x2).
 - (2) Remove the Gear Bracket Assembly.

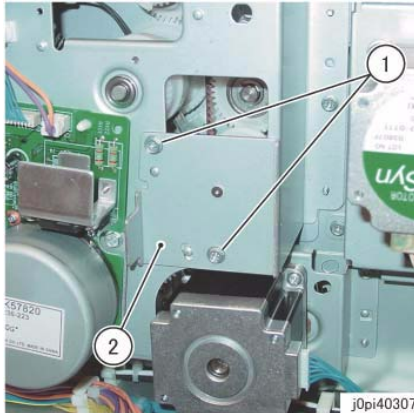


Figure 6 j0pi40307

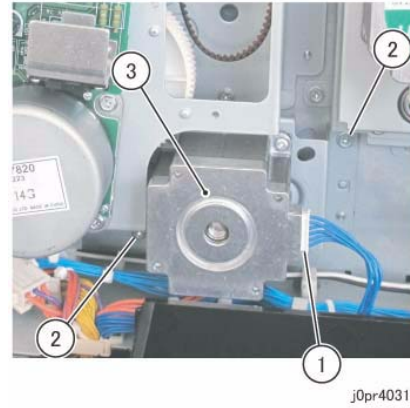


Figure 8 j0pr40311

10. Disconnect the connector (x5). (Figure 7)
 - (1) Release the wire harness from the clamp (x3).
 - (2) Remove the clamp of the wire harness.
 - (3) Disconnect the connector (x5).

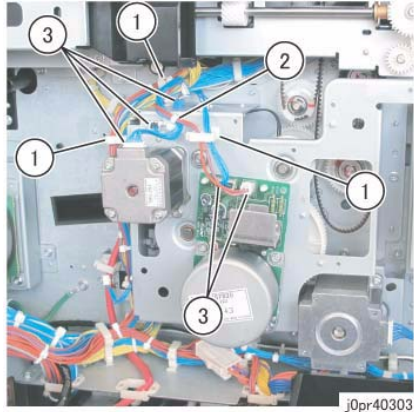


Figure 7 j0pr40303

11. Remove the DUP Motor. (Figure 8)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x2).
 - (3) Remove the DUP Motor.

12. Remove the Main Drive Assembly. (Figure 9)
 - (1) Remove the screw (x5).
 - (2) Remove the Belt.
 - (3) Remove the Main Drive Assembly.

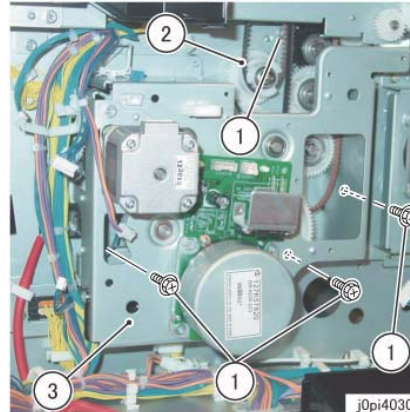


Figure 9 j0pi40309

Replacement

1. To install, reverse the removal procedure with the following kept in mind.

NOTE: When tightening the tension of the Belt (x2) that were loosened in step 7, check where the screw were initially located and secure them back at the same locations.

REP 3.1.2 DEVE Drive Assembly (K)

Parts List on PL 3.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Disconnect all cables that are connected to the Control part at the left of the machine.
2. Remove the Rear Upper Cover. (PL 19.2)
 - Installation screw: x5 at the rear
3. Remove the Drum Motor Assembly (K). (REP 3.1.3)
4. Relax the tension of the Belt (x2). (Figure 1)
 - (1) Loosen the screw.
 - (2) Raise the Bracket.
 - (3) Tighten the screw.
 - (4) Loosen the screw.
 - (5) Raise the Bracket.
 - (6) Tighten the screw.

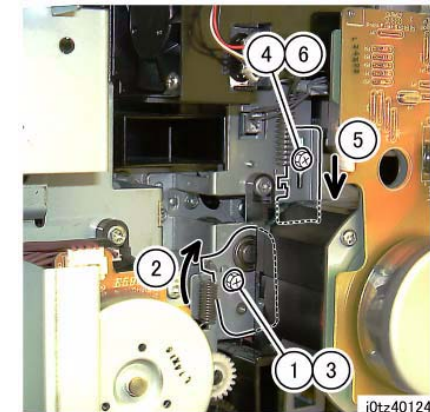


Figure 1 j0tz40124

5. Remove the Tension Bracket Assembly. (Figure 2)

- (1) Remove the screw (x3).
- (2) Remove the Tension Bracket Assembly.

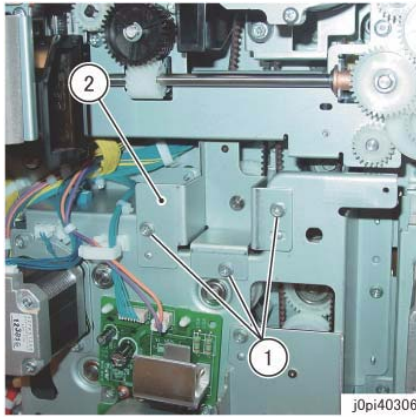


Figure 2 j0pi40306

6. Remove the Gear Bracket Assembly. (Figure 3)
 - (1) Remove the screw (x2).
 - (2) Remove the Gear Bracket Assembly.

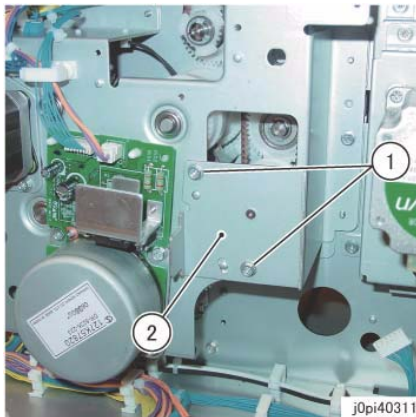


Figure 3 j0pi40311

7. Remove the Fan Assembly. (Figure 4)
 - (1) Release the wire harness from the clamp (x2).
 - (2) Disconnect the connector (x3).
 - (3) Remove the screw (x2).
 - (4) Remove the Fan Assembly.

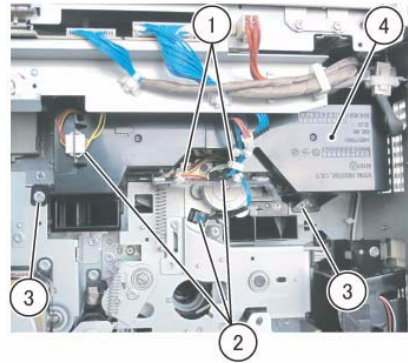


Figure 4 j0pr40304

8. Remove the Fan Assembly. (Figure 5)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x2).
 - (3) Remove the Fan Assembly.

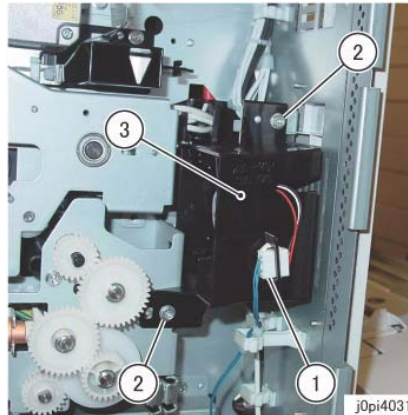


Figure 5 j0pi40313

9. Remove the DEVE Drive Assembly (K). (Figure 6)
 - (1) Remove the Belt.
 - (2) Remove the screw (x5).
 - (3) Remove the DEVE Drive Assembly (K).

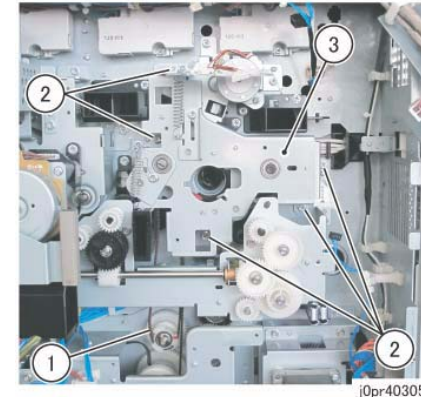


Figure 6 j0pr40305

Replacement

1. To install, reverse the removal procedure with the following kept in mind.

NOTE: When tightening the tension of the Belt (x2) that were loosened in step 4, check where the screw were initially located and secure them back at the same locations.

REP 3.1.3 (SCC) Drum Motor Assembly (K)

Parts List on PL 3.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Disconnect all cables that are connected to the Control part at the left of the machine.
2. Remove the Rear Upper Cover. (PL 19.2)
 - Installation screw: x5 at the rear
3. Open the IOT PWB Chassis Unit. (REP 18.1.1)
4. Remove the Main-K Duct. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the Main-K Duct.

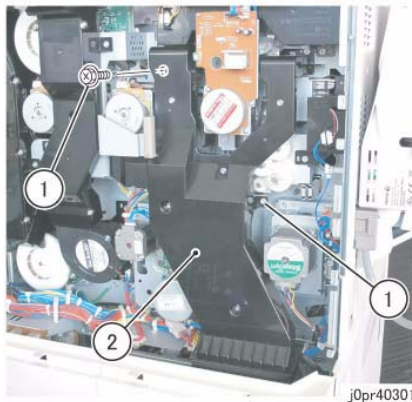
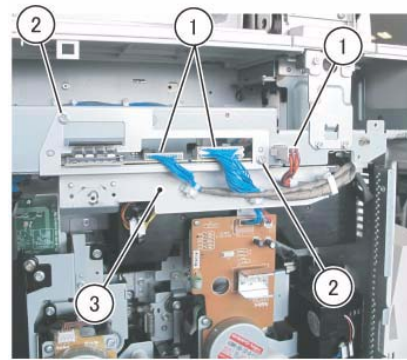


Figure 1 j0pr40301

5. Remove the IIT Right Cover. (PL 1.1)
 - Installation screw: x4 at the rear
6. Move the Plate Assembly. (Figure 2)
 - (1) Disconnect the connector (x3).

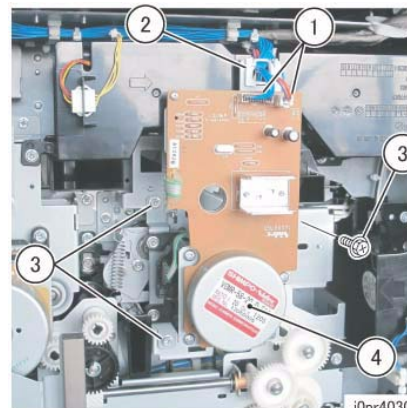
- (2) Remove the screw (x2).
- (3) Move the Plate Assembly.



j0pr40306

Figure 2 j0pr40306

7. Remove the Drum Motor Assembly (K). (Figure 3)
 - (1) Disconnect the connector (x2).
 - (2) Release the wire harness from the clamp.
 - (3) Remove the screw (x3).
 - (4) Remove the Drum Motor Assembly (K).



j0pr40307

Figure 3 j0pr40307

Replacement

1. To install, carry out the removal steps in reverse order.

REP 3.1.4 Fusing Unit Drive Assembly

Parts List on PL 3.1

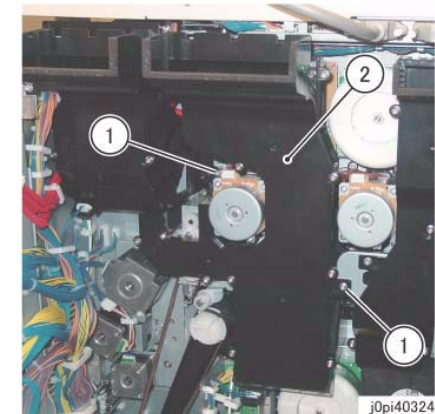
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Disconnect all cables that are connected to the Control part at the left of the machine.
2. Remove the Rear Upper Cover. (PL 19.2)
 - Installation screw: x5 at the rear
3. Open the IOT PWB Chassis Unit. (REP 18.1.1)
4. Remove the Fusing Duct. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the Fusing Duct.



j0pi40324

Figure 1 j0pi40324

5. Remove the Fusing Unit Exhaust Fan Assembly. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x2).
 - (3) Remove the Fusing Unit Exhaust Fan Assembly.

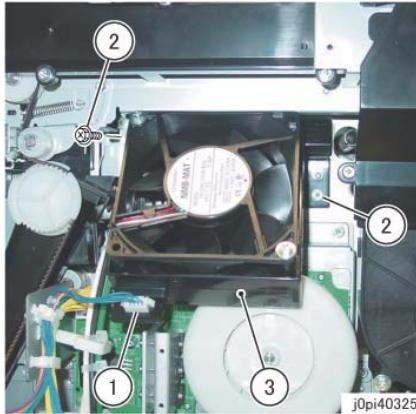


Figure 2 j0pi40325

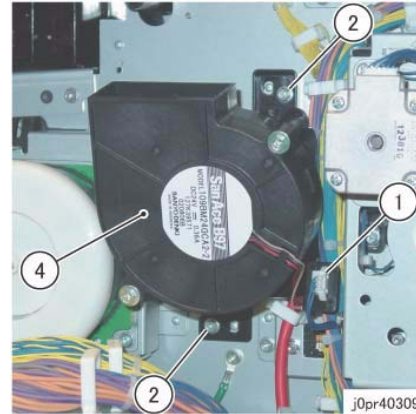


Figure 4 j0pr40309

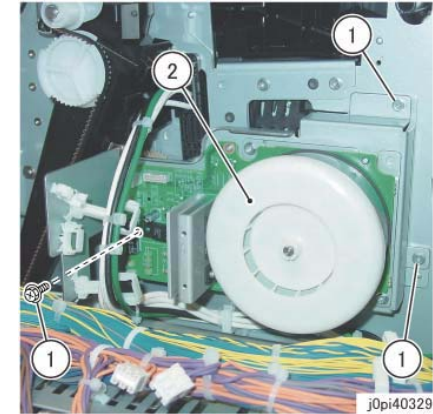


Figure 6 j0pi40329

6. Remove the V-Transport Duct. (Figure 3)
 - (1) Remove the screw (x2).
 - (2) Remove the V-Transport Duct.

8. Disconnect the connector (x4). (Figure 5)
 - (1) Release the wire harness from the clamp (x2).
 - (2) Release the wire harness from the clamp (x2).
 - (3) Disconnect the connector (x4).

Replacement

1. To install, carry out the removal steps in reverse order.

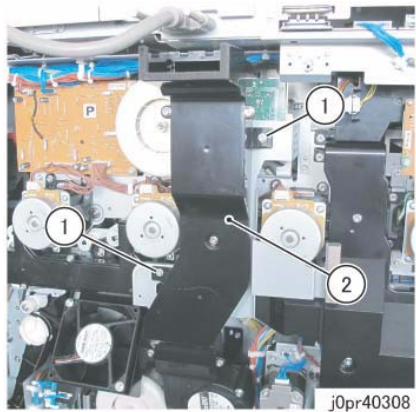


Figure 3 j0pr40308

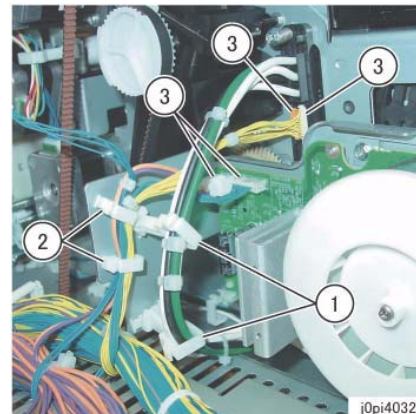


Figure 5 j0pi40328

7. Remove the V-Transport Fan Assembly. (Figure 4)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x2).
 - (3) Remove the V-Transport Fan Assembly.

9. Remove the Fusing Unit Drive Assembly. (Figure 6)
 - (1) Remove the screw (x3).
 - (2) Remove the Fusing Unit Drive Assembly.

REP 3.2.1 DEVE Drive Assembly (Y, M, C)

Parts List on PL 3.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Disconnect all cables that are connected to the Control part at the left of the machine.
2. Remove the Rear Upper Cover. (PL 19.2)
 - Installation screw: x5 at the rear
3. Remove the Drum Motor Assembly (K). (REP 3.1.3)
4. Remove the Fan Assembly. (Figure 1)
 - (1) Release the wire harness from the clamp (x2).
 - (2) Disconnect the connector (x3).
 - (3) Remove the screw (x2).
 - (4) Remove the Fan Assembly.

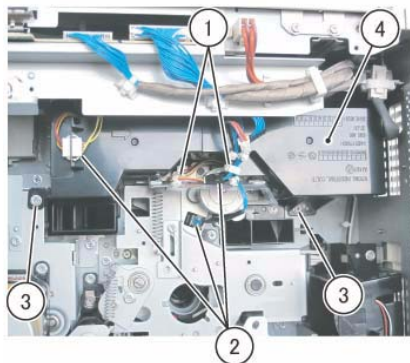


Figure 1 j0pr40304

5. Remove the V-Transport Duct. (Figure 2)
 - (1) Remove the screw (x2).
 - (2) Remove the V-Transport Duct.

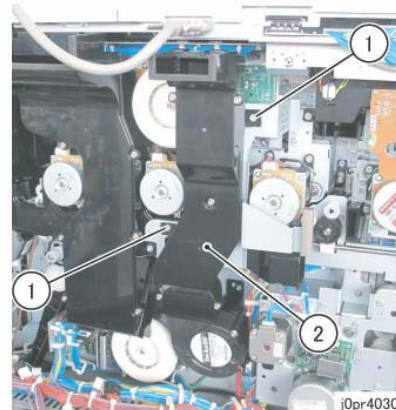


Figure 2 j0pr40302

6. Remove the Bracket. (Figure 3)
 - (1) Remove the screw (x2).
 - (2) Remove the Fusing Duct.
 - (3) Remove the screw (x2).
 - (4) Remove the Bracket.

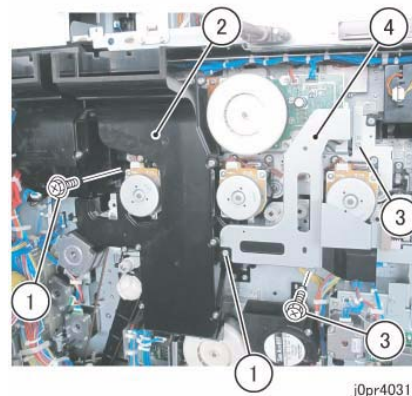


Figure 3 j0pr40310

7. Remove the Y/M/C Cooling Duct. (Figure 4)
 - (1) Remove the screw (x4).
 - (2) Remove the Y/M/C Cooling Duct.

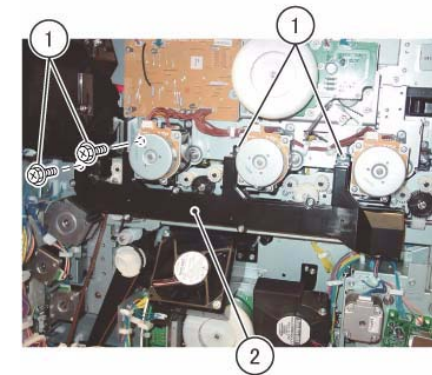


Figure 4 j0pi40318

8. Remove the Drum Motor Assembly (C). (Figure 5)
 - (1) Disconnect the connector (x2).
 - (2) Remove the screw (x3).
 - (3) Remove the Drum Motor Assembly (C).

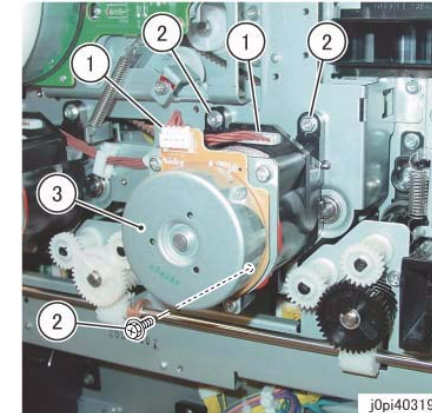


Figure 5 j0pi40319

9. Remove the Drum Motor Assembly (M). (Figure 6)
 - (1) Remove the clamp of the wire harness.
 - (2) Release the wire harness from the clamp.
 - (3) Disconnect the connector (x2).
 - (4) Remove the screw (x3).
 - (5) Remove the Drum Motor Assembly (M).

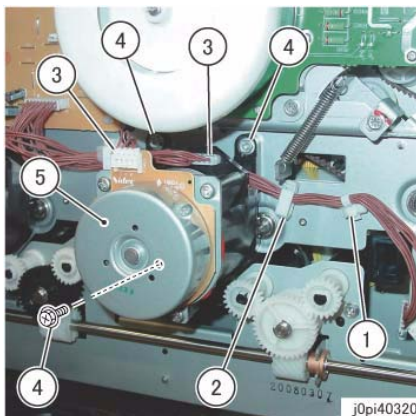


Figure 6 j0pi40320

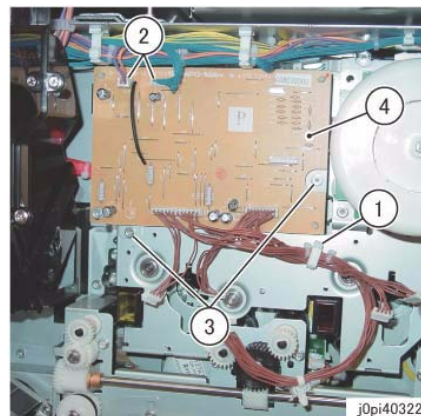


Figure 8 j0pi40322

10. Remove the Drum Motor Assembly (Y). (Figure 7)
- (1) Disconnect the connector (x2).
 - (2) Remove the screw (x3).
 - (3) Remove the Drum Motor Assembly (Y).

12. Remove the DEVE Drive Assembly (Y, M, C). (Figure 9)
- (1) Disconnect the connector (x2).
 - (2) Remove the screw (x8).
 - (3) Remove the DEVE Drive Assembly (Y, M, C).

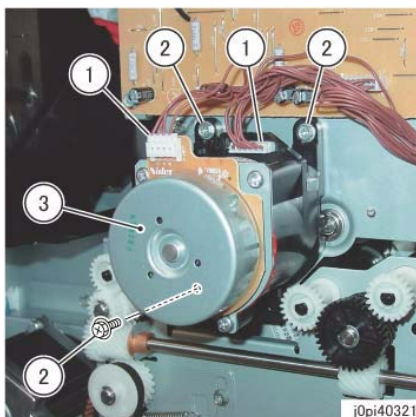


Figure 7 j0pi40321

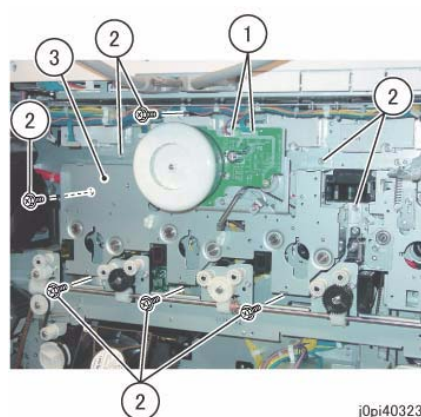


Figure 9 j0pi40323

11. Remove the Drum Motor YMC PWB Assembly. (Figure 8)
- (1) Release the wire harness from the clamp.
 - (2) Disconnect the connector (x2).
 - (3) Remove the screw (x2).
 - (4) Remove the Drum Motor YMC PWB Assembly.

Replacement

1. To install, carry out the removal steps in reverse order.

REP 6.3.1 IBT Belt Assembly

Parts List on PL 6.3

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

NOTE: Keep your hands off the IBT Belt.

1. Remove the IBT Cleaner Assembly. (REP 6.3.2)
2. Lower the lever of the XERO/DEVE Drawer Unit. (Figure 1)
 - (1) Lower the lever.



Figure 1 j0pi40601

3. Hold the front and rear handles and remove the IBT Belt Assembly. (Figure 2)
 - (1) Hold the handles and remove the IBT Belt Assembly.

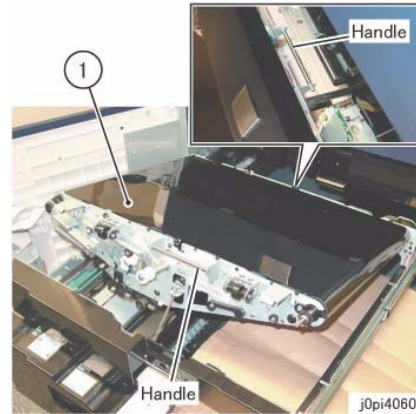


Figure 2 j0pi40602

4. Pull out the foot at the rear of the IBT Belt Assembly and put it on the floor. (Figure 3)
 - (1) Pull out the foot.
 - (2) Put it on the floor.

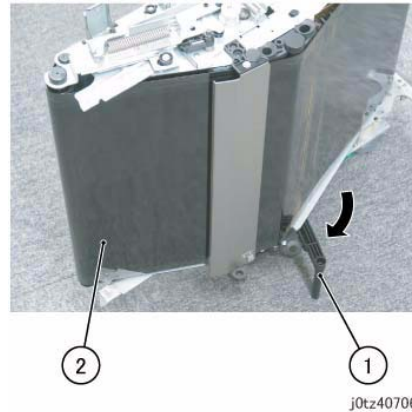


Figure 3 j0tz40706

Replacement

1. To install, carry out the removal steps in reverse order.
2. When replacing the IBT Belt Assembly, install it after removing the pin at the front and the tape at the rear.
3. After replacement, clear the HFSI counter.
 - IBT Belt: "Chain-Link: 954-814"

REP 6.3.2 IBT Belt Cleaner Assembly

Parts List on PL 6.3

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

NOTE: Keep your hands off the IBT Belt.

1. Open the Front Cover.
2. Pull out the Drawer Unit. (Figure 1)
 - (1) Lower the lever.
 - (2) Pull out the Drawer Unit.

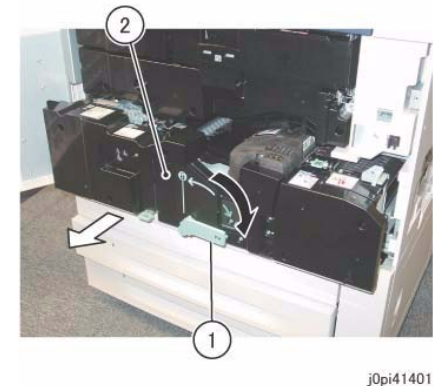


Figure 1 j0pi41401

3. Remove the first of the 2-tier stopper of the Drawer Unit's Right/Left Rail and pull the Drawer Unit further out. (Figure 2)
 - (1) Push the stopper and pull the Drawer Unit further out.

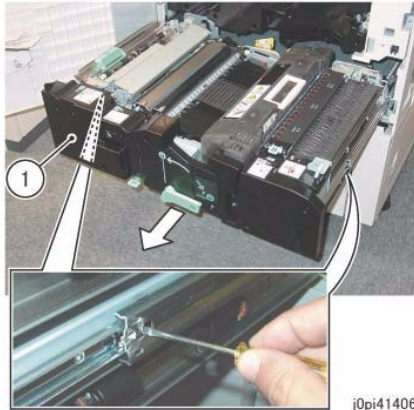


Figure 2 j0pi41406

4. Remove the Stud Screw. (Figure 3)
 - (1) Remove the Stud Screw.



Figure 3 j0pi40603

5. Raise the lever of the XERO/DEVE Drawer Unit. (Figure 4)
 - (1) Lower the lever.
 - (2) Raise the lever.

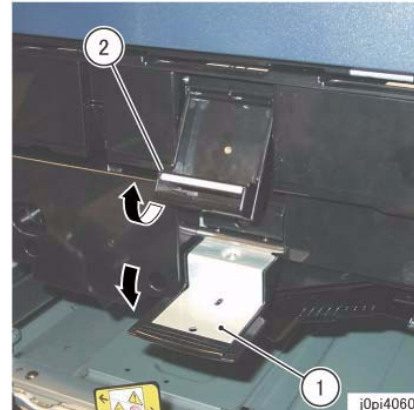


Figure 4 j0pi40604

6. Lift up the IBT Drawer Unit gently and pull it out. (Figure 5)
 - (1) Remove the screw (x2).
 - (2) Pull out the IBT Drawer Unit.

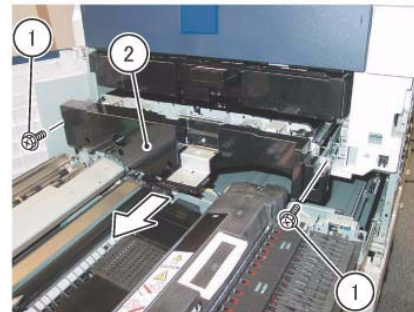


Figure 5 j0pr40601

7. Lift up the front of the IBT Belt Assembly and hook the Retract Shaft attached to the IBT Drawer Unit. (Figure 6)
 - (1) Lift up the IBT Belt Assembly.
 - (2) Hook the Retract Shaft.

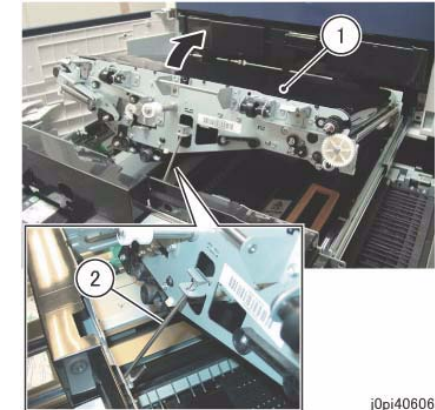


Figure 6 j0pi40606

8. Remove the IBT Belt Cleaner Assembly. (Figure 7)

NOTE: When removing the IBT Belt Cleaner Assembly, cover the Drawer Unit and the floor with paper to prevent them from being dirtied by toner.

- (1) Remove the screw (x2).
- (2) Remove the IBT Belt Cleaner Assembly.

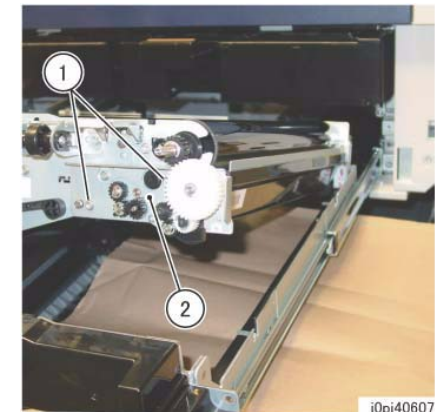


Figure 7 j0pi40607

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, clear the HFSI counter.
"Chain-Link: 954-815"

REP 6.3.3 IBT Belt

Parts List on PL 6.3

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

NOTE: Keep your hands off the IBT Belt.

1. Remove the IBT Belt Cleaner Assembly. (REP 6.3.2)
2. Remove the IBT Belt Assembly. (REP 6.3.1)
3. Remove the inlet. (Figure 1)
 - (1) Remove the screw.
 - (2) Remove the inlet.



Figure 1 j0tz40707

4. Remove the Bracket. (Figure 2)
 - (1) Remove the screw (x2).
 - (2) Remove the Bracket.

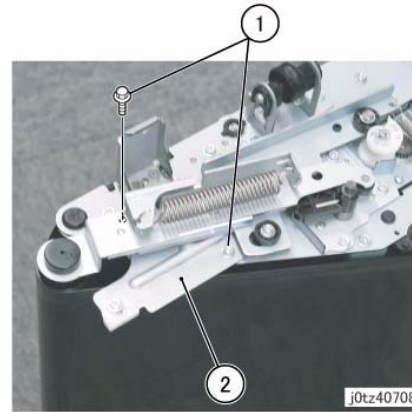


Figure 2 j0tz40708

5. Turn the Cam in the clockwise direction and loosen the tension of the IBT Belt. (Figure 3)
 - (1) Turn the Cam in the clockwise direction.

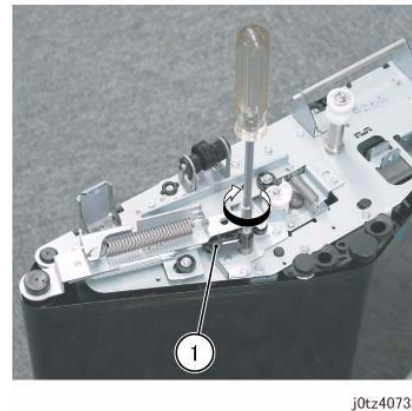


Figure 3 j0tz40732

6. Remove the IBT Belt. (Figure 4)
 - (1) Remove the IBT Belt.

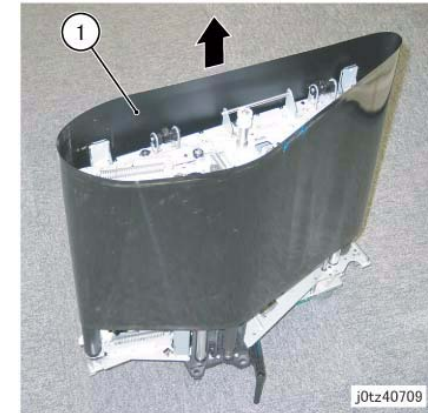


Figure 4 j0tz40709

Replacement

1. To install, carry out the removal steps in reverse order.

NOTE: Install the IBT Belt with the reflector at the rear. (Figure 5)

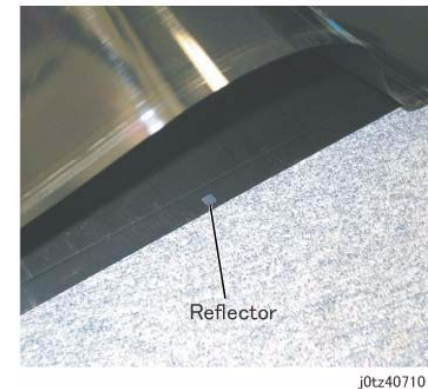
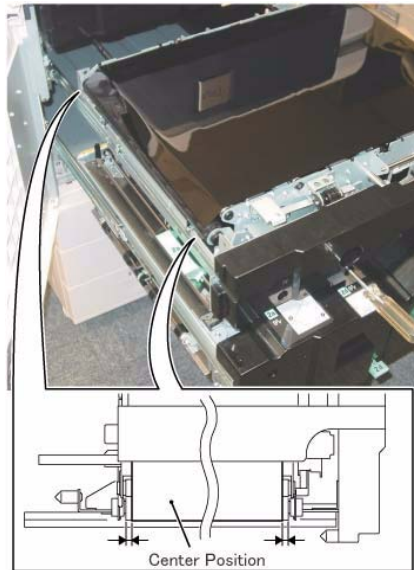


Figure 5 j0tz40710

2. With the IBT Belt Assembly installed, turn the Cam in the clockwise direction and loosen the tension of the IBT Belt. Move the IBT Belt to somewhere in the center of the IBT Frame (where the front and rear of the exposed part of the Drive Roll is even). (Figure 6)



j0pi40608

Figure 6 j0pi40608

3. After replacement, clear the HFSI counter.
"Chain-Link: 954-814"
4. Perform the following adjustment:
 - DC956 Belt Edge Learn (Sub System) (ADJ 18.1.13)
 - DC919 Color Balance Adjustment (MAX Setup) (ADJ 18.1.8)

REP 6.9.1 2nd BTR Roll

Parts List on PL 6.9

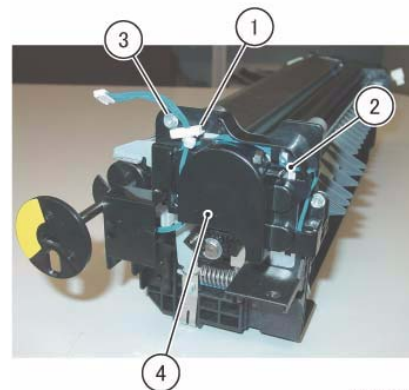
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

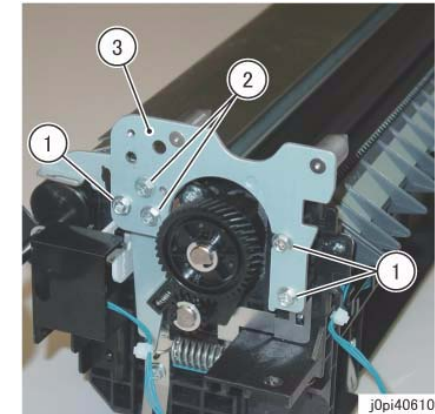
1. Remove the 2ND BTR Roll Assembly. (REP 14.1.2)
2. Remove the Gear Cover. (Figure 1)
 - (1) Release the wire harness from the clamp.
 - (2) Release the wire harness from the Gear Cover.
 - (3) Remove the screw.
 - (4) Remove the Gear Cover.



j0pr40602

Figure 1 j0pr40602

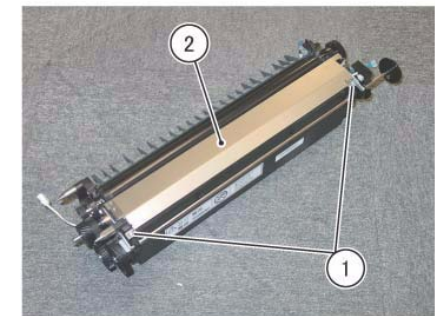
3. Remove the Front Plate. (Figure 2)
 - (1) Remove the Tapping Screw (x3).
 - (2) Remove the screw (M3x4: x2).
 - (3) Remove the Front Plate.



j0pi40610

Figure 2 j0pi40610

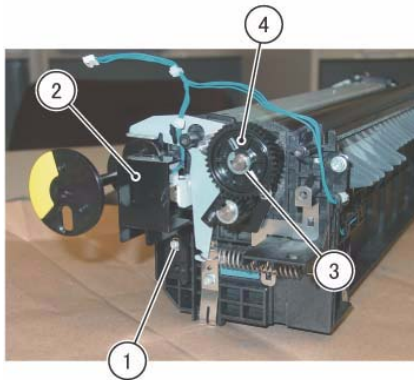
4. Remove the Inlet Chute Assembly. (Figure 3)
 - (1) Remove the Tapping Screw (x2).
 - (2) Remove the Inlet Chute Assembly.



j0pi40611

Figure 3 j0pi40611

5. Remove the Sensor Cover and the gear. (Figure 4)
 - (1) Remove the Tapping Screw.
 - (2) Remove the Sensor Cover.
 - (3) Remove the E-Clip.
 - (4) Remove the gear.



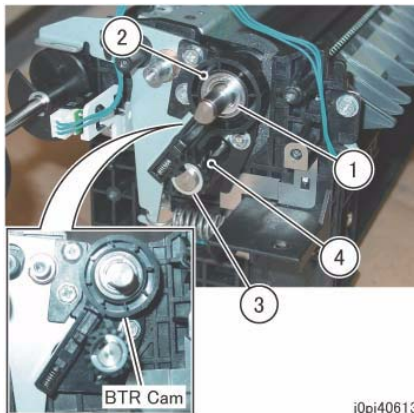
j0pi40612

Figure 4 j0pi40612

6. Remove the BTR Cam and the gear. (Figure 5)

NOTE: Before removing the BTR Cam, check and note down the orientation of the BTR Cam.

- (1) Remove the E-Clip.
- (2) Remove the BTR Cam.
- (3) Remove the E-Clip.
- (4) Remove the gear.



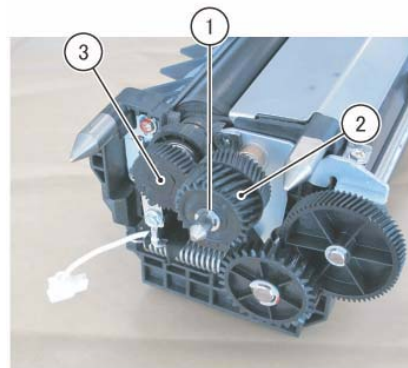
j0pi40613

Figure 5 j0pi40613

7. Remove the Drive Gear and the Roll Gear. (Figure 6)

- (1) Remove the E-Clip.
- (2) Remove the Drive Gear.

- (3) Remove the Roll Gear.



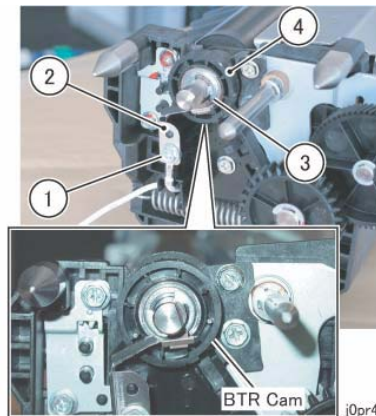
j0pr40603

Figure 6 j0pr40603

8. Remove the conductor and the wire harness along with the BTR Cam. (Figure 7)

NOTE: Before removing the BTR Cam, check and note down the orientation of the BTR Cam.

- (1) Remove the screw.
- (2) Remove the conductor and the wire harness.
- (3) Remove the E-Clip.
- (4) Remove the BTR Cam.



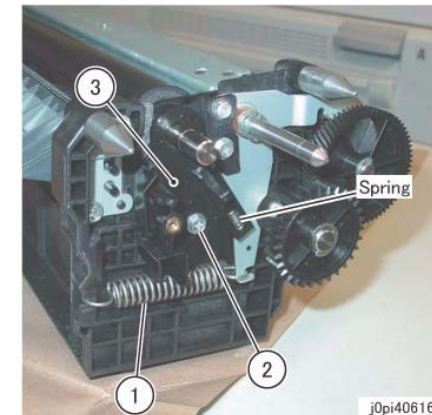
j0pr40604

Figure 7 j0pr40604

9. Remove the spring and Roll Cover Assembly at the rear. (Figure 8)

NOTE: Be careful not to lose the spring of the Roll Cover Assembly.

- (1) Remove the spring.
- (2) Remove the screw.
- (3) Remove the Roll Cover Assembly.



j0pi40616

Figure 8 j0pi40616

10. Remove the spring and Roll Cover Assembly at the front. (Figure 9)

NOTE: Be careful not to lose the spring of the Roll Cover Assembly.

- (1) Remove the spring.
- (2) Remove the screw.
- (3) Remove the Roll Cover Assembly.

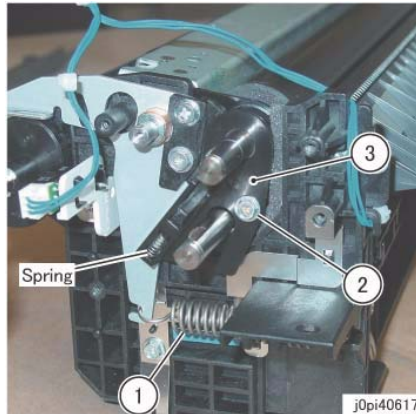


Figure 9 j0pi40617

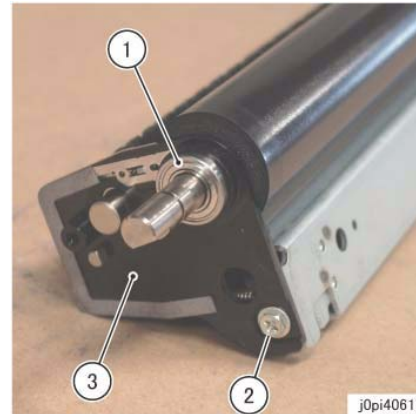


Figure 11 j0pi40619

11. Pull out and remove the shaft towards the rear. (Figure 10)
- (1) Remove the E-Clip.
 - (2) Pull out and remove the shaft.



Figure 10 j0pi40618

12. Remove the Arm Plate (Front). (PL 6.8)
13. Remove the Arm Plate (Rear). (PL 6.8)
14. Remove the Roll Holder at the rear. (Figure 11)
 - (1) Remove the Bearing.
 - (2) Remove the screw.
 - (3) Remove the Roll Holder.

15. Remove the 2nd Roll Assembly. (Figure 12)
- (1) Remove the Bearing.
 - (2) Remove the 2nd Roll Assembly.

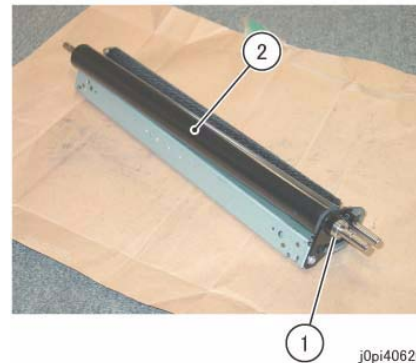


Figure 12 j0pi40620

Replacement

1. To install, carry out the removal steps in reverse order taking note of the following:

NOTE: When inserting the shaft that was pulled out and removed in step 11, make sure the shaft passes under the Conductor Plate. (Figure 13)

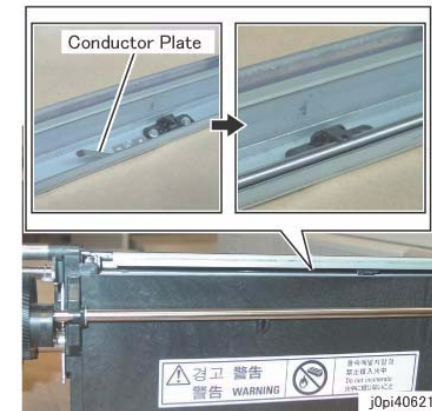


Figure 13 j0pi40621

REP 6.9.2 Cleaning Blade

Parts List on PL 6.9

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the 2ND BTR Roll Assembly. (REP 14.1.2)
2. Remove the 2nd BTR Roll. (REP 6.9.1)
3. Remove the Blade Assembly. (Figure 1)
 - (1) Remove the screw.
 - (2) Remove the Roll Holder.
 - (3) Remove the Blade Assembly.

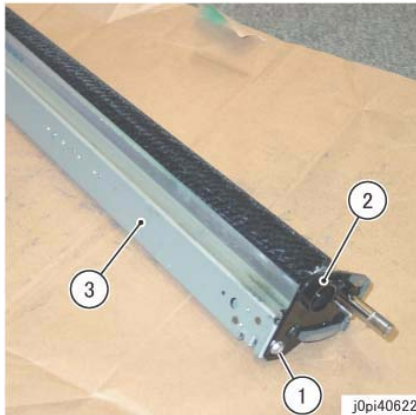
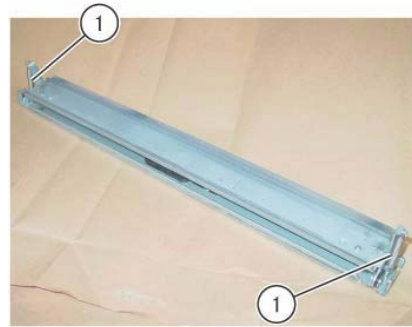


Figure 1 j0pi40622

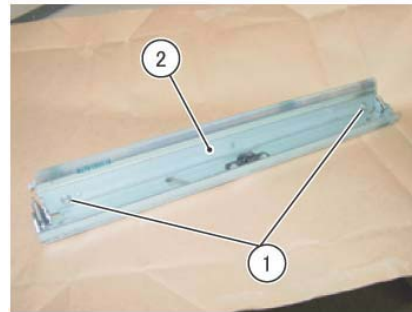
4. Remove the spring (x2). (Figure 2)
 - (1) Remove the spring (x2).



j0pi40623

Figure 2 j0pi40623

5. Remove the Cleaning Blade. (Figure 3)
 - (1) Remove the screw (x2).
 - (2) Remove the Cleaning Blade.



j0pi40624

Figure 3 j0pi40624

Replacement

1. To install, carry out the removal steps in reverse order taking note of the following:

NOTE: Orientation of the spring (x2). (Figure 4)



j0pi40625

Figure 4 j0pi40625

REP 7.1.1 Block

Parts List on PL 7.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. When replacing the Block or when it was removed, install at the position as shown in the following figure. (Figure 1)

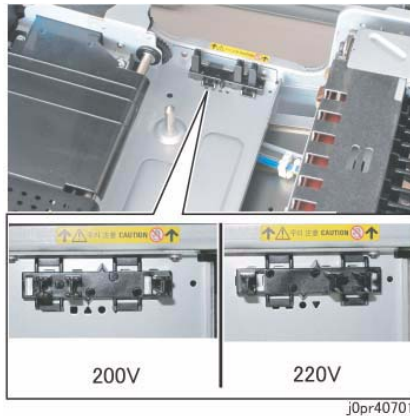


Figure 1 j0pr40701

REP 7.1.2 (SCC) Fusing Unit

Parts List on PL 7.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

1. Open the Front Cover.
2. Pull out the Drawer Unit. (Figure 1)
 - (1) Lower the lever.
 - (2) Pull out the Drawer Unit.

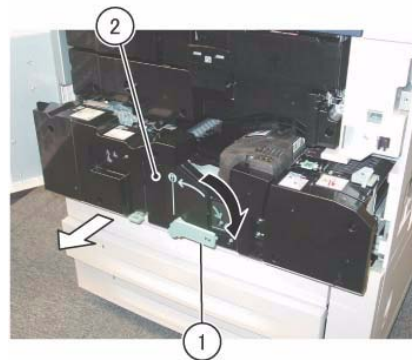


Figure 1 j0pi41401

3. Pull the Fusing Unit Handle. (Figure 2)
 - (1) Remove the screw.
 - (2) Pull the Fusing Unit Handle.

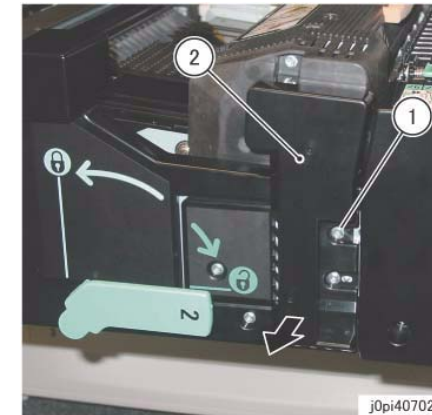


Figure 2 j0pi40702

4. Remove the Fusing Unit. (Figure 3)
 - (1) Remove the Fusing Unit.

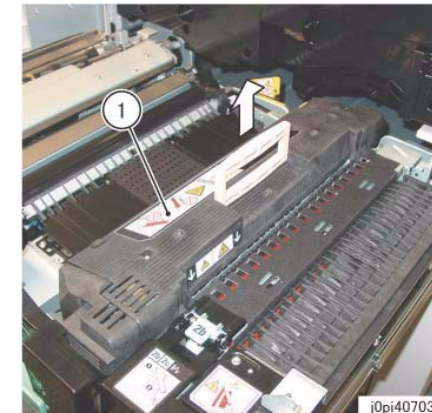


Figure 3 j0pi40703

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, clear the HFSI counter.
"Chain-Link: 954-819"

NOTE: When the Paper Width Settings had been changed or the Fusing Unit had been replaced to solve a problem, refer to item [6.3.4.1 DC135 HFSI Counters (IOT)] and clear the HFSI counter.

REP 7.1.3 Decurler Transport Assembly**Parts List on PL 7.1****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

1. Remove the Fusing Unit. (REP 7.1.2)
2. Remove the Right Drawer Cover. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the Right Drawer Cover.

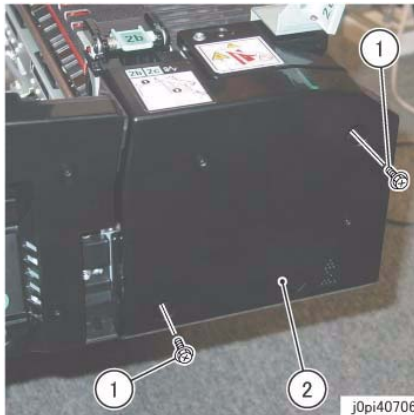
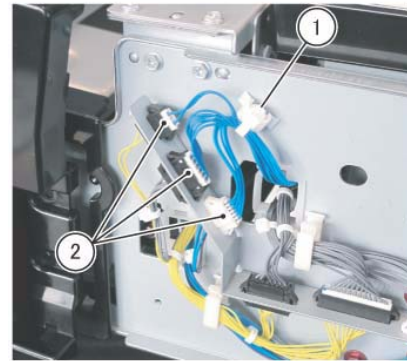


Figure 1 j0pi40706

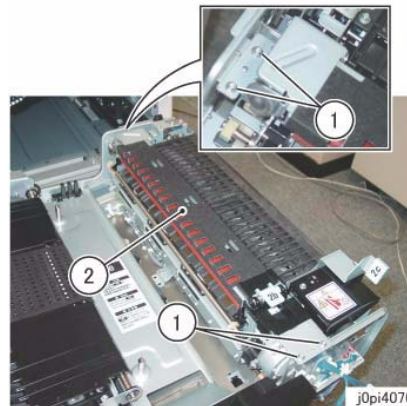
3. Disconnect the connector (x3). (Figure 2)
 - (1) Remove the clamp of the wire harness.
 - (2) Disconnect the connector (x3).



j0pr40707

Figure 2 j0pr40707

4. Remove the Decurler Transport Assembly while pulling out and removing the wire harness through the hole on the Frame. (Figure 3)
 - (1) Remove the screw (x4).
 - (2) Remove the Decurler Transport Assembly.



j0pi40705

Figure 3 j0pi40705

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, clear the HFSI counter.
"Chain-Link: 954-846"

REP 7.5.1 Heat Roll**Parts List on PL 7.5****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

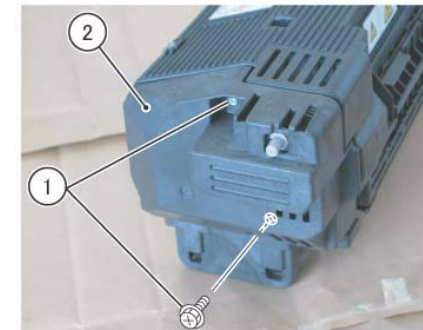
Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

NOTE: Keep your hands off Main Lamp 1/2 and the Sub Lamp. If you touched it, wipe it with dry cloth.

1. Remove the Fusing Unit. (REP 7.1.2)
2. Remove the Front Cover. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the Front Cover.



j0pr40702

Figure 1 j0pr40702

3. Remove the Rear Cover. (Figure 2)
 - (1) Remove the screw (x2).
 - (2) Remove the Rear Cover.

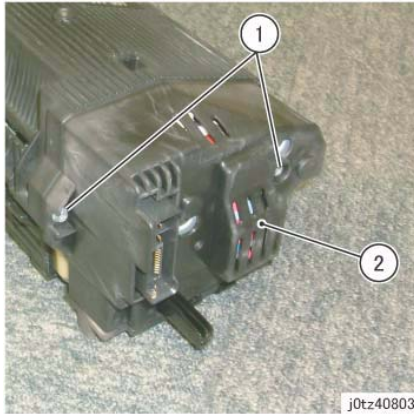


Figure 2 j0tz40803

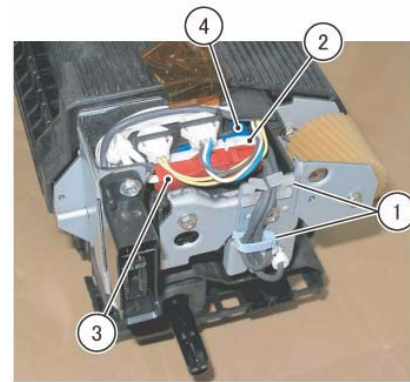


Figure 4 j0pr40704

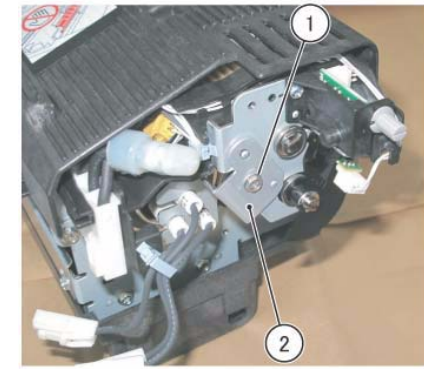


Figure 6 j0pr40705

4. Peel off the tape. (Figure 3)
 - (1) Peel off the tape.



Figure 3 j0pr40703

6. Disconnect the connector in front. (Figure 5)
 - (1) Release the wire harness from the clamp.
 - (2) Disconnect the connector (Main 2).
 - (3) Disconnect the connector (Sub).
 - (4) Disconnect the connector (Main 1).

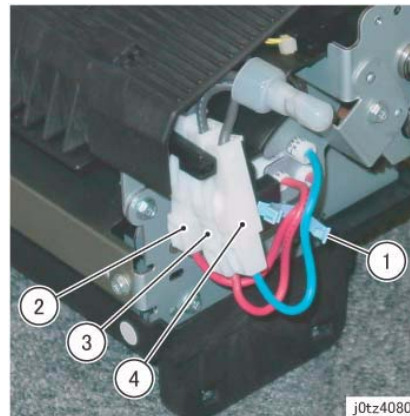


Figure 5 j0tz40805

8. Remove the Bracket at the rear. (Figure 7)
 - (1) Remove the screw.
 - (2) Remove the Bracket.

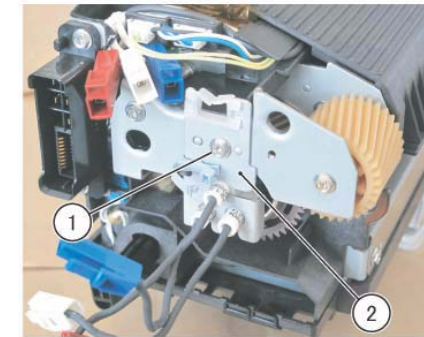


Figure 7 j0pr40706

5. Disconnect the connector at the rear. (Figure 4)
 - (1) Release the wire harness from the clamp (x2).
 - (2) Disconnect the connector (White: Main 2).
 - (3) Disconnect the connector (Red: Main 1).
 - (4) Disconnect the connector (Blue: Sub).

7. Remove the Bracket at the front. (Figure 6)
 - (1) Remove the screw.
 - (2) Remove the Bracket.

9. Remove the Main Lamp 1/2 and the Sub Lamp. (Figure 8)
 - (1) Remove the Main Lamp 1/2 and the Sub Lamp.

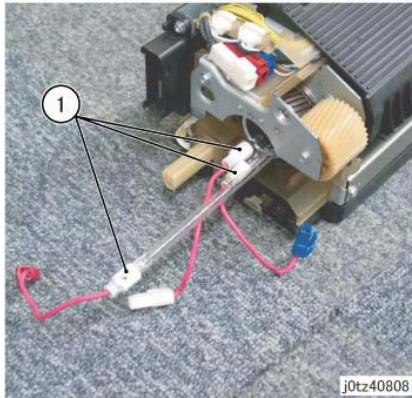


Figure 8 j0tz40808

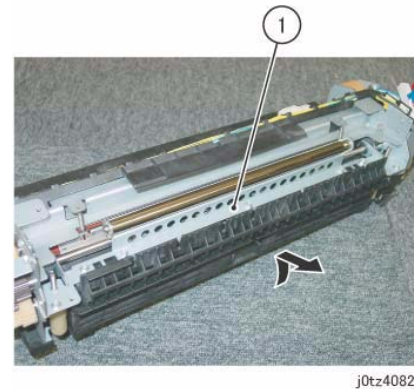


Figure 10 j0tz40820

10. Remove the Top Cover. (Figure 9)
 - (1) Remove the screw (x4).
 - (2) Remove the Top Cover.

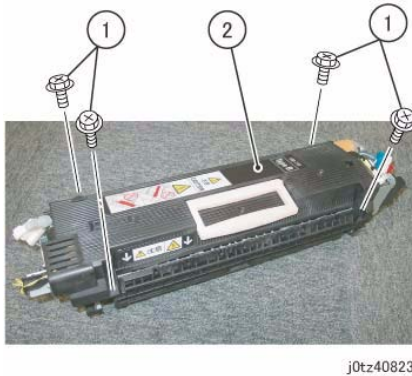


Figure 9 j0tz40823

11. Remove the Upper Exit Chute. (Figure 10)
 - (1) Remove the Upper Exit Chute.

12. Disconnect the connector. (Figure 11)
 - (1) Disconnect the connector.

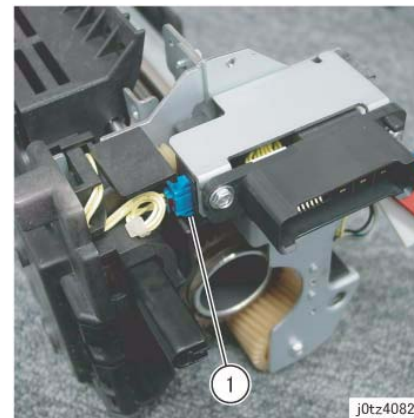


Figure 11 j0tz40821

13. Measure the length of the portion of Nip Screw (x2) that stick out and then remove them. (Figure 12)

NOTE: Do not mix up the Nip Screw and Nip Spring at the rear and the front. Keep them in pairs and return them to their respective installation positions.

- (1) Measure the length of the portion of Nip Screw at the front that sticks out.

- (2) Measure the length of the portion of Nip Screw at the rear that sticks out.
- (3) Remove the Nip Screw (x2).

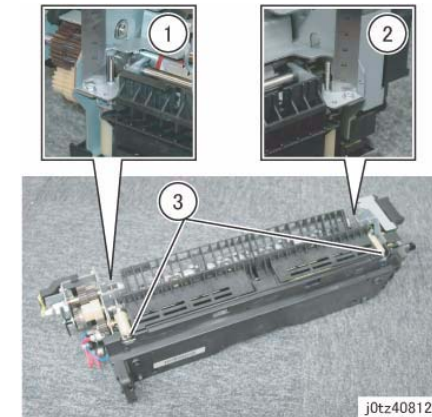


Figure 12 j0tz40812

14. Open the Fusing Unit. (Figure 13)
 - (1) Remove the screw (x2).
 - (2) Open the Fusing Unit.

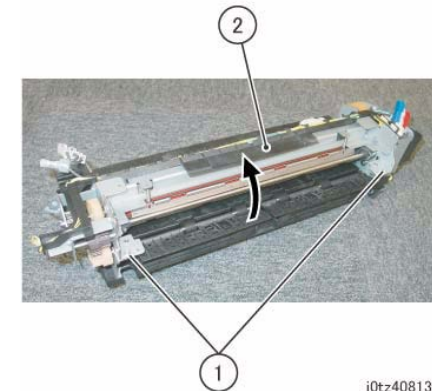


Figure 13 j0tz40813

15. Open the stopper at the front. (Figure 14)
 - (1) Loosen the screw.
 - (2) Open the stopper.

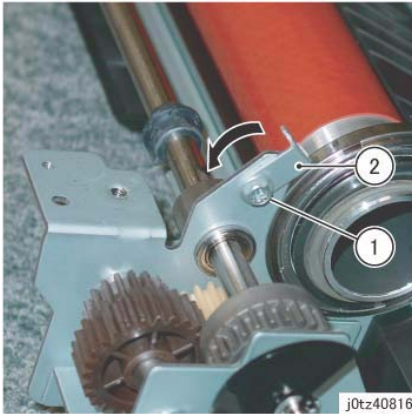


Figure 14 j0tz40816

16. Open the stopper at the rear. (Figure 15)
 - (1) Loosen the screw.
 - (2) Open the stopper.

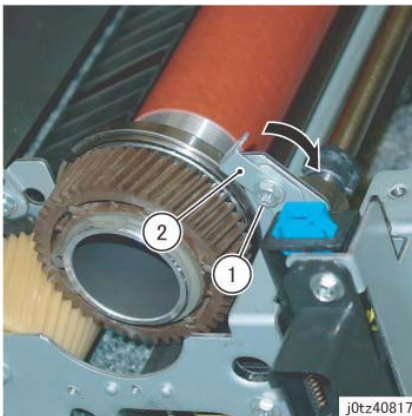


Figure 15 j0tz40817

17. Remove the Heat Roll. (Figure 16)
 - (1) Remove the Heat Roll.

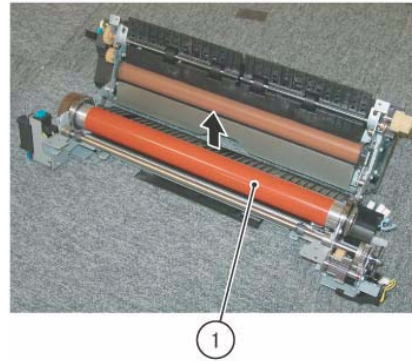


Figure 16 j0tz40818

Replacement

1. To install, carry out the removal steps in reverse order.
2. After the installation, adjust the length of the portion of Nip Screw that stick out at the front and rear, to match the lengths that were measured in step 13. This is done to correct the Fusing Unit Nip Pressure.

REP 7.5.2 Belt Assembly

Parts List on PL 7.5

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

1. Remove the Fusing Unit. (REP 7.1.2)
2. Remove the Front Cover. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the Front Cover.

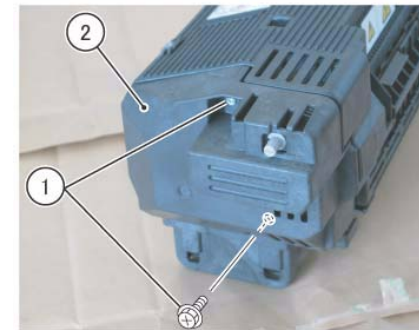


Figure 1 j0pr40702

3. Remove the Rear Cover. (Figure 2)
 - (1) Remove the screw (x2).
 - (2) Remove the Rear Cover.

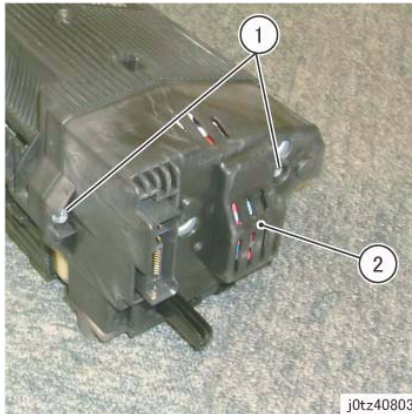


Figure 2 j0tz40803

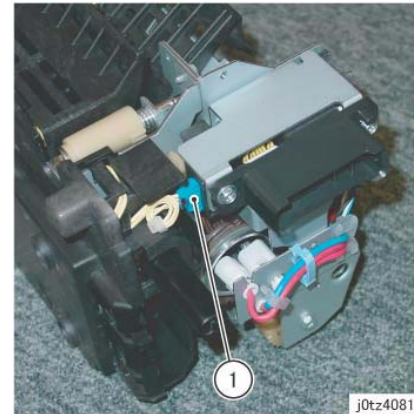


Figure 4 j0tz40810

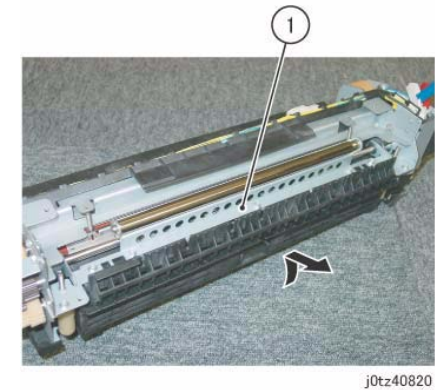


Figure 6 j0tz40820

4. Remove the Top Cover. (Figure 3)
 - (1) Remove the screw (x4).
 - (2) Remove the Top Cover.

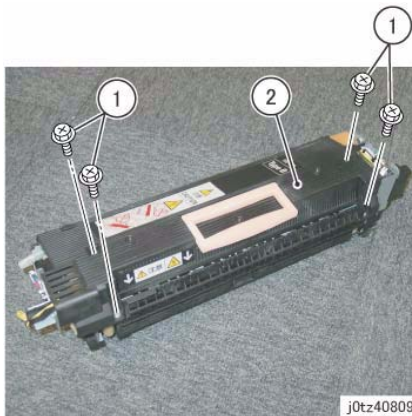


Figure 3 j0tz40809

5. Disconnect the connector. (Figure 4)
 - (1) Disconnect the connector.

6. Remove the chute. (Figure 5)
 - (1) Remove the screw (x2).
 - (2) Remove the chute.

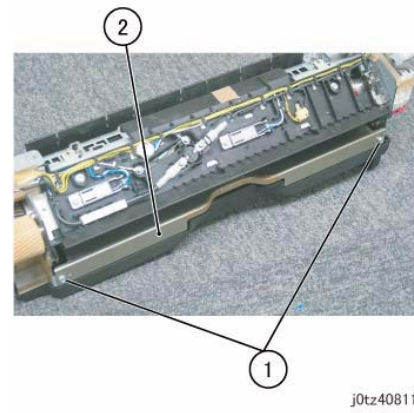


Figure 5 j0tz40811

7. Remove the Upper Exit Chute. (Figure 6)
 - (1) Remove the Upper Exit Chute.

8. Measure the length of the portion of Nip Screw (x2) that stick out and then remove them. (Figure 7)

NOTE: Do not mix up the Nip Screw and Nip Spring at the rear and the front. Keep them in pairs and return them to their respective installation positions.

- (1) Measure the length of the portion of Nip Screw at the front that sticks out.
- (2) Measure the length of the portion of Nip Screw at the rear that sticks out.
- (3) Remove the Nip Screw (x2).

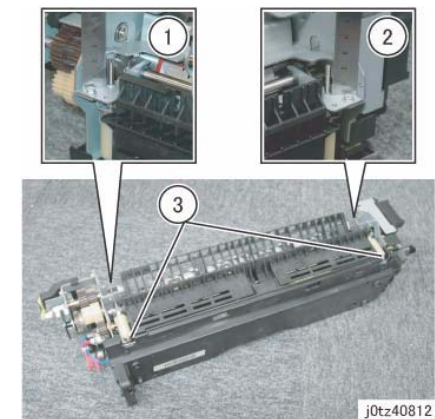


Figure 7 j0tz40812

9. Open the Fusing Unit. (Figure 8)
 - (1) Remove the screw (x2).
 - (2) Open the Fusing Unit.

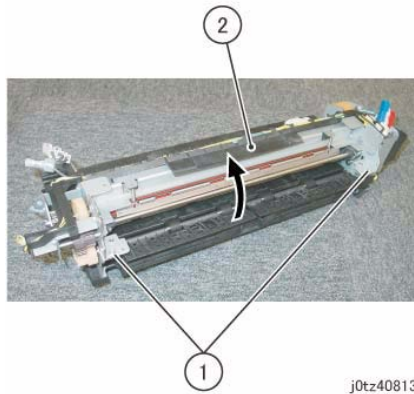


Figure 8 j0tz40813

10. Remove the Belt Assembly. (Figure 9)
 - (1) Remove the Belt Assembly.

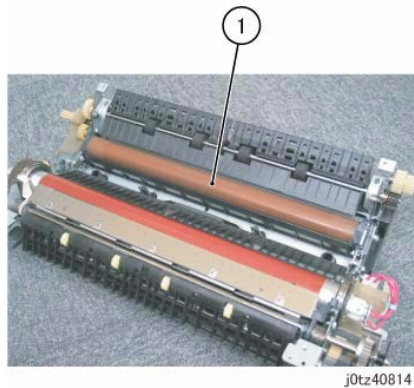


Figure 9 j0tz40814

Replacement

1. To install, carry out the removal steps in reverse order.
2. After the installation, adjust the length of the portion of Nip Screw that stick out at the front and rear, to match the lengths that were measured in step 8. This is done to correct the Fusing Unit Nip Pressure.

REP 8.1.1 Drum Cartridge

Parts List on PL 8.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

NOTE: When servicing with the XERO/DEVE Drawer Unit pulled out, cover the whole of the XERO/DEVE Drawer Unit with a black sheet, etc. to prevent optical fatigue of the Drum.

NOTE: When servicing with the Drum Cartridge removed, remove all Drum Cartridge and cover the removed Drum Cartridge with a black sheet, etc. to prevent optical fatigue of the Drum.

1. Open the Front Cover.
2. Remove the Stud Screw. (Figure 1)
 - (1) Remove the Stud Screw.

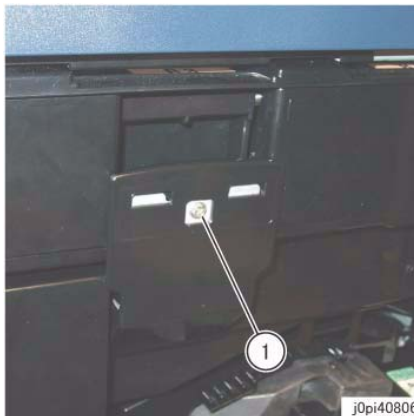


Figure 1 j0pi40806

3. Raise the lever of the XERO/DEVE Drawer Unit. (Figure 2)
 - (1) Lower the lever.
 - (2) Raise the lever.

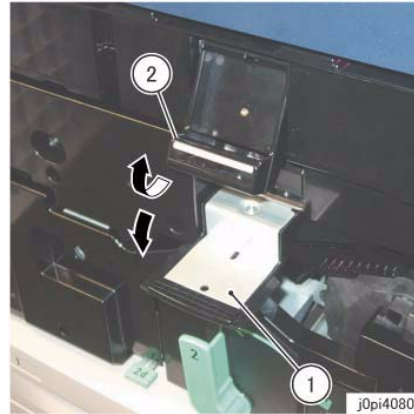


Figure 2 j0pi40807

4. Pull out the XERO/DEVE Drawer Unit. (Figure 3)
 - (1) Pull out the XERO/DEVE Drawer Unit.



Figure 3 j0pr40801

5. Remove the Drum Cartridge. (Figure 4)
 - (1) Hold to the handle at the front/rear and lift the Drum Cartridge while keeping it horizontal to remove it.

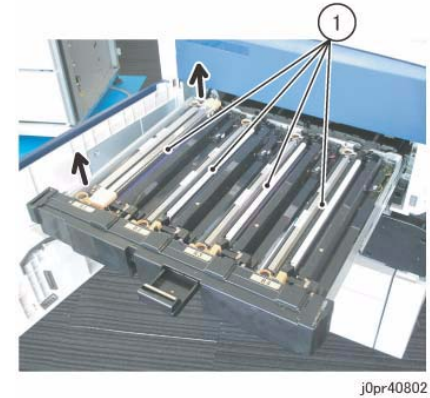


Figure 4 j0pr40802

NOTE: If the Drum Cartridge gets lifted in a slanted manner, check the Upper Seal of the M/R for any developer that might have remained and remove it if there is any.

Replacement

1. To install, carry out the removal steps in reverse order.

REP 8.2.1 Dispenser Assembly

Parts List on PL 8.2

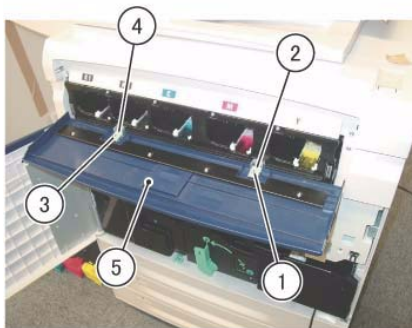
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

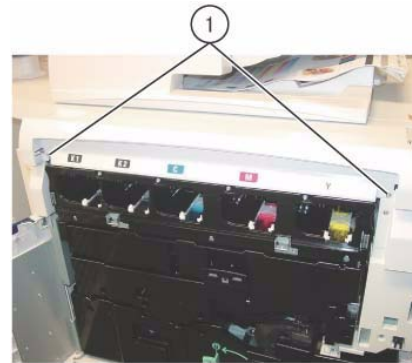
1. Remove the Toner Cartridge (Y, M, C, K).
2. Open the Front Cover.
3. Remove the Toner Cartridge Cover. (Figure 1)
 - (1) Loosen the Tapping Screw.
 - (2) Slide the hinge towards you.
 - (3) Loosen the Tapping Screw.
 - (4) Slide the hinge towards you.
 - (5) Remove the Toner Cartridge Cover.



j0pi40801

Figure 1 j0pi40801

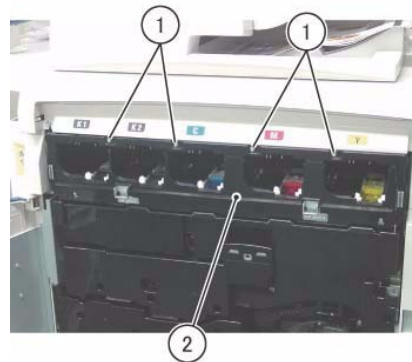
4. Loosen the screw (x2) of the IIT Front Cover. (Figure 2)
 - (1) Loosen the screw (x2).



j0pi40802

Figure 2 j0pi40802

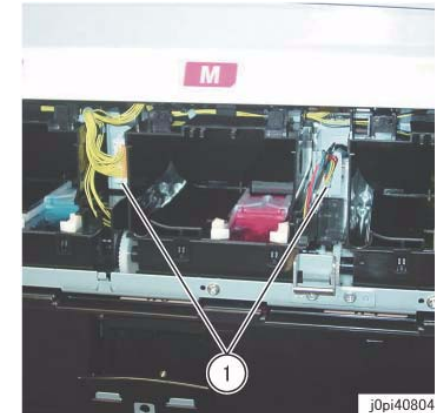
5. Remove the Inner Cover. (Figure 3)
 - (1) Remove the Tapping Screw (x4).
 - (2) Remove the Inner Cover.



j0pi40803

Figure 3 j0pi40803

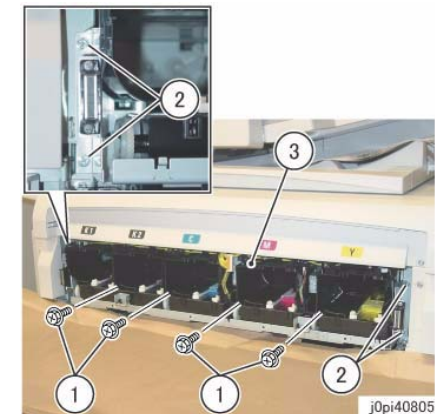
6. Disconnect the connector (x2). (Figure 4)
 - (1) Disconnect the connector (x2).



j0pi40804

Figure 4 j0pi40804

7. Pull out the XERO/DEVE Drawer Unit. (REP 8.1.1)
8. Remove the Dispenser Assembly. (Figure 5)
 - (1) Remove the screw (x4).
 - (2) Remove the screw (x4).
 - (3) Remove the Dispenser Assembly.



j0pi40805

Figure 5 j0pi40805

Replacement

1. To install, carry out the removal steps in reverse order.

REP 8.6.1 Rail Assembly

Parts List on PL 8.6

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Drum Cartridge. (REP 8.1.1)
2. [Color C75 Press]
Either remove the OCT and the OCT Exit Fan or else detach the I/F Module (REP 37.1.1) or the Finisher.
[Color J75 Press]
Detach the I/F Cooling Module (REP 38.1.1) or the Finisher.
3. Remove the Right Upper Rear Cover. (PL 19.1)
 - Installation screw: x2 at the right
4. Remove the Right Upper Cover. (PL 19.1)
 - Installation screw: x2 at the right
5. Remove the MSI. (REP 13.1.1)
6. Remove the Left Upper Cover. (PL 19.2)
 - Installation screw: x2 at the left
7. Remove the first of the 2-tier stopper of the Rail and pull the XERO/DEVE Drawer Unit further out. (Figure 1)
 - (1) Remove the first tier stopper.
 - (2) Pull the XERO/DEVE Drawer Unit further out.

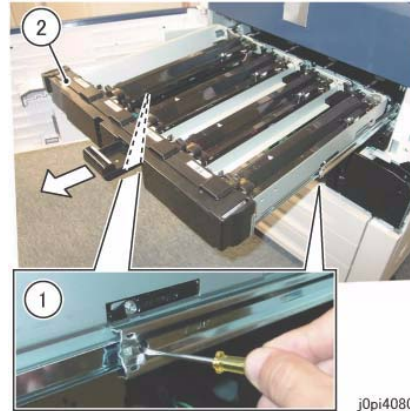


Figure 1 j0pi40809

8. Remove the second of the 2-tier stopper of the Rail and remove the XERO/DEVE Drawer Unit. (Figure 2)
 - (1) Remove the second tier stopper.
 - (2) Remove the Booklet Drawer Unit.

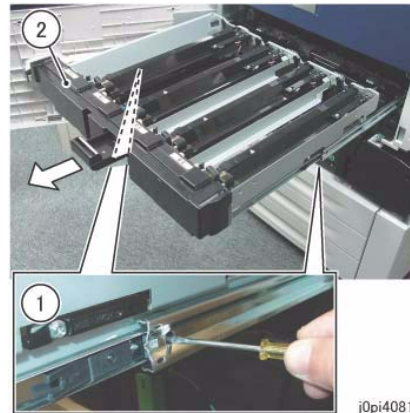


Figure 2 j0pi40810

9. Remove the Plate. (Figure 3)
 - (1) Loosen the screw (x3).
 - (2) Remove the screw (x2).
 - (3) Remove the Plate.

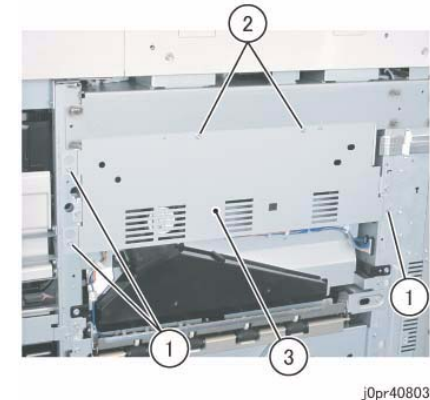


Figure 3 j0pr40803

10. Release the wire harness of the Exit Roll Fan Assembly. (Figure 4)
 - (1) Disconnect the connector (x3).
 - (2) Release the wire harness from the clamp (x7).
 - (3) Remove the clamp (x2) of the wire harness.

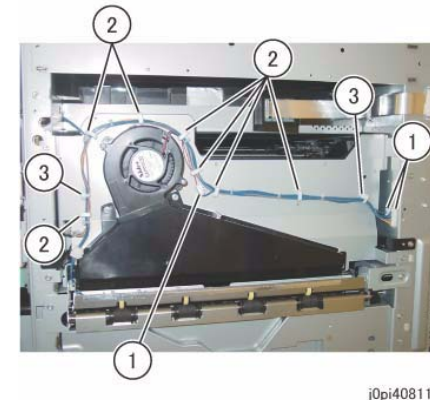
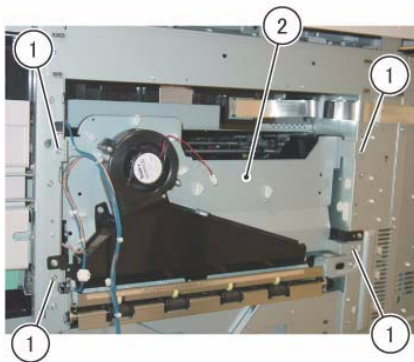


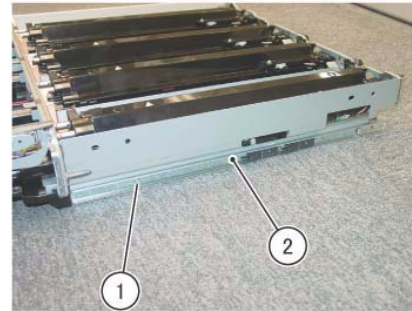
Figure 4 j0pi40811

11. Remove the Exit Roll Fan Assembly. (Figure 5)
 - (1) Remove the screw (x4).
 - (2) Remove the Exit Roll Fan Assembly.



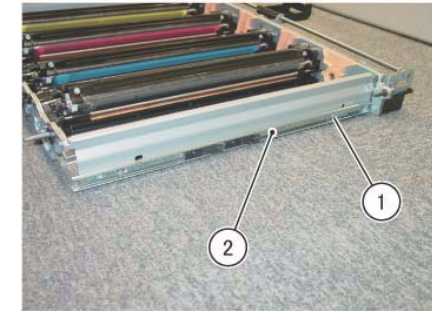
j0pi40812

Figure 5 j0pi40812



j0pi40814

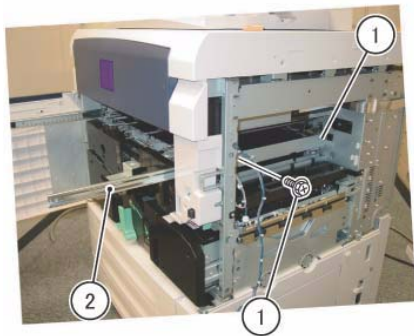
Figure 7 j0pi40814



j0pi40816

Figure 9 j0pi40816

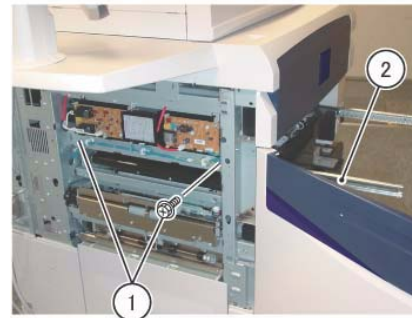
12. Remove the Rail at the right of the Main Unit. (Figure 6)
- (1) Remove the screw (x2).
 - (2) Remove the Rail.



j0pr40804

Figure 6 j0pr40804

14. Remove the Rail at the left of the Main Unit. (Figure 8)
- (1) Remove the screw (x2).
 - (2) Remove the Rail.



j0pr40805

Figure 8 j0pr40805

13. Remove the Rail at the right of the XERO/DEVE Drawer Unit. (Figure 7)
- (1) Remove the screw.
 - (2) Remove the Rail.

15. Remove the Rail at the left of the XERO/DEVE Drawer Unit. (Figure 9)
- (1) Remove the screw.
 - (2) Remove the Rail.

Replacement

1. To install, carry out the removal steps in reverse order.

REP 8.6.2 Developer Housing (K)

Parts List on PL 8.6

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

NOTE: Since the removal procedures for Developer Housing (K) and Developer Housing (Y, M, C) are the same, this section will describe the removal procedure for Developer Housing (K) only.

NOTE: When servicing with the XERO/DEVE Drawer Unit in pulled out state, remove all Drum Cartridge and cover the removed Drum Cartridge with a black sheet, etc. to prevent optical fatigue of the Drum.

1. Remove the Drum Cartridge. (REP 8.1.1)
2. Remove the first of the 2-tier stopper of the Rail and pull the XERO/DEVE Drawer Unit further out. (Figure 1)
 - (1) Remove the first tier stopper.
 - (2) Pull the XERO/DEVE Drawer Unit further out.

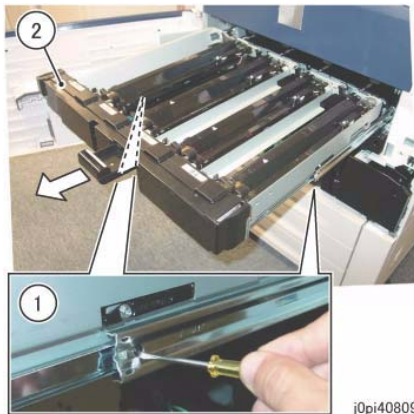


Figure 1 j0pi40809

3. Attach the stopper. (Figure 2)
 - (1) Loosen the screw.

- (2) Attach the stopper.
- (3) Tighten the screw.

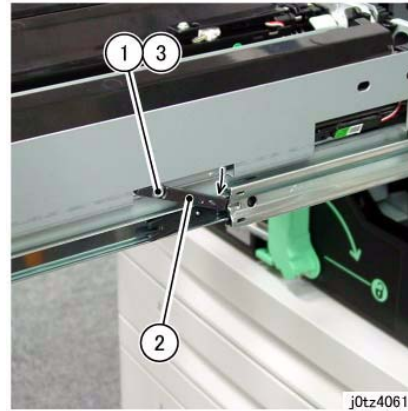


Figure 2 j0tz40617

4. Remove the Inner Cover Assembly. (Figure 3)
 - (1) Slide the shutter towards you.
 - (2) Remove the screw (x3).
 - (3) Remove the Inner Cover Assembly.

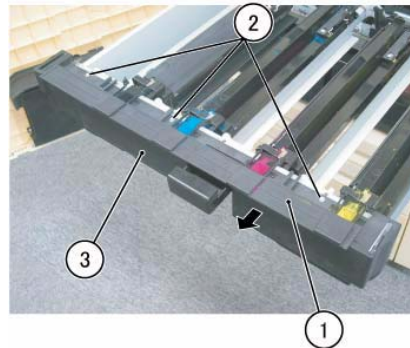
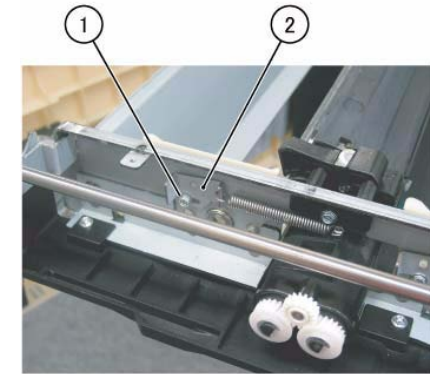


Figure 3 j0pi40821

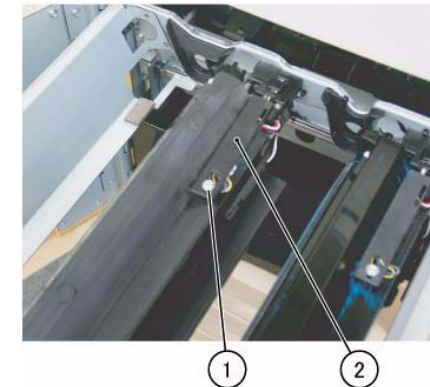
5. Remove the spring together with the Bracket. (Figure 4)
 - (1) Loosen the screw.
 - (2) Remove the spring together with the Bracket.



j0tz40612

Figure 4 j0tz40612

6. Remove the cover. (Figure 5)
 - (1) Loosen the screw.
 - (2) Remove the cover.



j0tz40613

Figure 5 j0tz40613

7. Disconnect the connector. (Figure 6)
 - (1) Disconnect the connector.

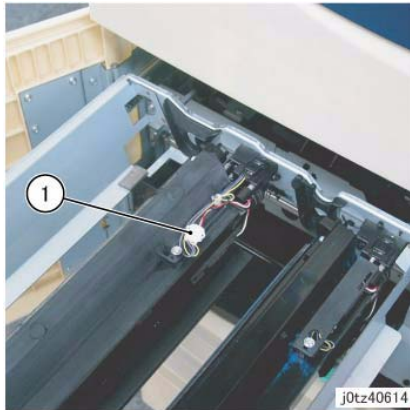


Figure 6 j0tz40614

8. Remove the Developer Housing. (Figure 7)
 - (1) Loosen the screw.
 - (2) Remove the stud.
 - (3) Remove the Developer Housing.

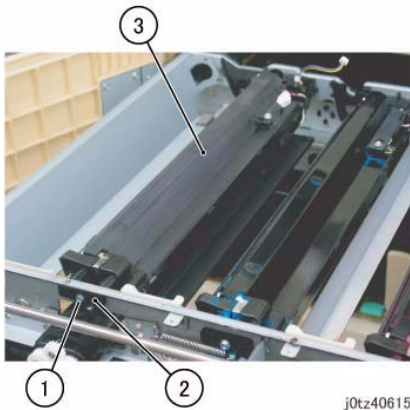


Figure 7 j0tz40615

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, clear the HFSI counter.
 - Developer Housing (Y): "Chain-Link: 954-805"
 - Developer Housing (M): "Chain-Link: 954-806"
 - Developer Housing (C): "Chain-Link: 954-807"

Developer Housing (K): "Chain-Link: 954-808"

3. After replacement, perform setup for the ATC Sensor that matched the replaced Developer Housing. (ADJ 18.1.12)

REP 8.6.3 Developer (Y)

Parts List on PL 8.6

Removal

WARNING

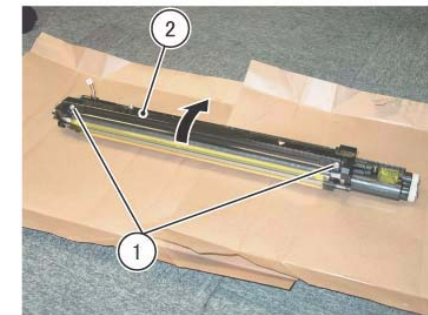
When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

NOTE: Since the replacement procedures for Developer (Y) and Developer (M, C, K) are the same, this section will describe the replacement procedure for Developer (Y) only.

NOTE: When servicing with the XERO/DEVE Drawer Unit in pulled out state, remove all Drum Cartridge and cover the removed Drum Cartridge with a black sheet, etc. to prevent optical fatigue of the Drum.

1. Remove the Drum Cartridge. (REP 8.1.1)
2. Remove the Developer Housing (Y). (REP 8.6.2)
3. Remove the cover. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the cover.



j0pi40817

Figure 1 j0pi40817

4. Put the Developer Housing (Y) into a plastic bag, etc. and turn it upside down, then rotate the Drive Pulley in the direction of the arrow as shown in the figure to eject the developer. (Figure 2)
- (1) Rotate the Drive Pulley.

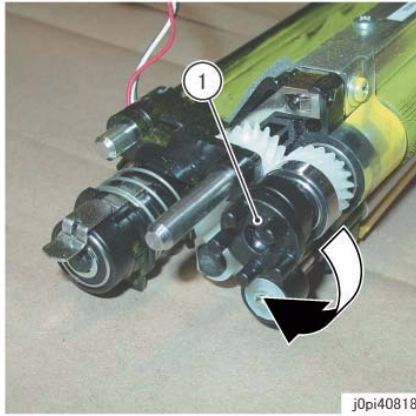


Figure 2 j0pi40818

5. Supply new developer from the Mag Roll side.
 6. Rotate the Drive Pulley in the direction of the arrow as shown in the figure to even out the developer on the Mag Roll. (Figure 3)
- (1) Rotate the Drive Pulley.

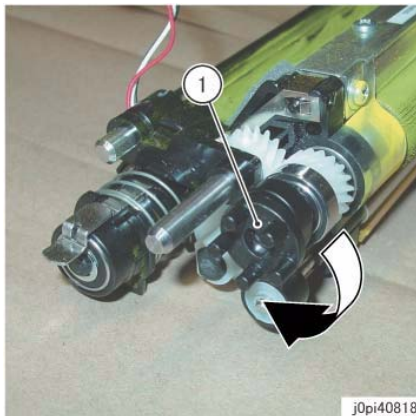


Figure 3 j0pi40818

NOTE: After the developer on the Mag Roll is evened out, take note of the following points.

- Make sure that the developer does not go beyond the line that is approx. 3mm below the cover installation slot hole (x4). (Figure 4)

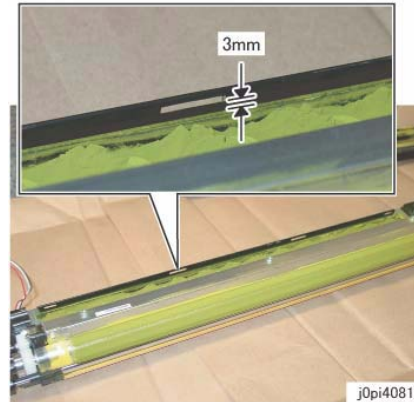


Figure 4 j0pi40819

7. Reinstall the cover that was removed in step 3.

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, clear the HFSI counter.
 Developer (Y): "Chain-Link: 954-805"
 Developer (M): "Chain-Link: 954-806"
 Developer (C): "Chain-Link: 954-807"
 Developer (K): "Chain-Link: 954-808"

REP 8.9.1 Cleaning Motor Assembly

Parts List on PL 8.9

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Disconnect all cables that are connected to the Control part at the left of the machine.
2. Remove the Rear Upper Cover. (PL 19.2)
 - Installation screw: x5 at the rear
3. Remove the Drum Motor Assembly (K). (REP 3.1.3)
4. Remove the DEVE Drive Assembly (K). (REP 3.1.2)
5. Remove the Cleaning Motor Assembly. (Figure 1)
 - (1) Remove the screw (x3).
 - (2) Remove the Cleaning Motor Assembly.

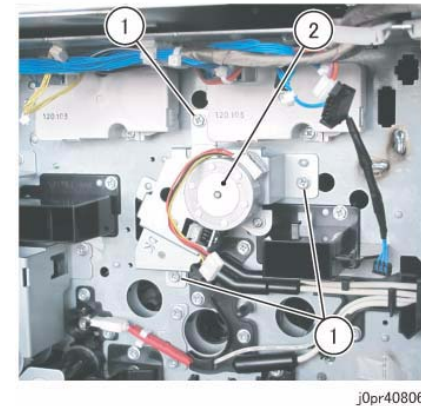


Figure 1 j0pr40806

Replacement

1. To install, carry out the removal steps in reverse order.

REP 11.1.1 Tray 1/2/3 Assembly

Parts List on PL 11.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

NOTE: Since the removal procedures for Tray 1/2/3 Assembly are the same, this section will describe the removal procedure for Tray 1 Assembly only.

1. Open the Front Cover.
2. Pull out Tray 1.
3. Unload the paper.
4. Remove the Tray 1 Assembly. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the Shoulder Screw (x2).
 - (3) Remove the Tray 1 Assembly.

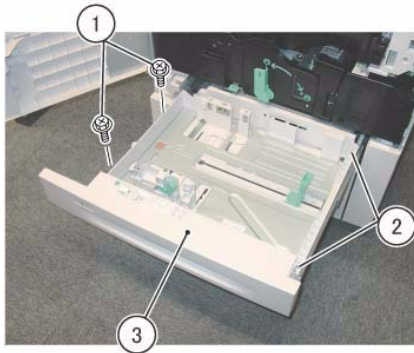


Figure 1 j0pi41105

5. Push in the Rail of the Tray 1 Assembly.

Replacement

1. To install, carry out the removal steps in reverse order.

REP 11.1.2 (SCC) Tray 1/2/3 Feeder Assembly

Parts List on PL 11.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

NOTE: Since the removal procedures for Tray 1/2/3 Feeder Assembly are the same, this section will describe the removal procedure for Tray 1 Feeder Assembly only.

1. Pull out Tray 1/2/3.
2. Remove the Inner Cover. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the Inner Cover.

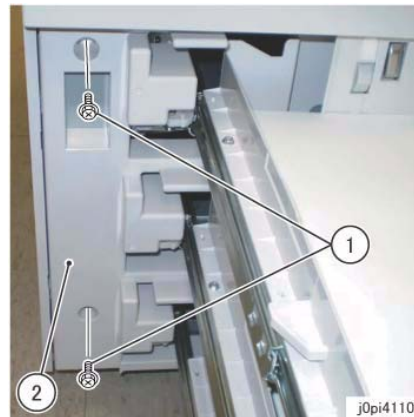


Figure 1 j0pi41101

3. Remove Tray 1. (REP 11.1.1)
4. Push in Tray 2/3.
5. Remove the Tray 1 Feeder Assembly. (Figure 2)
 - (1) Remove the screw (x2).
 - (2) Remove the Tray 1 Feeder Assembly.

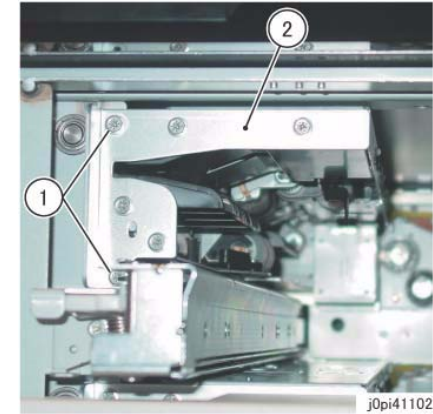


Figure 2 j0pi41102

Replacement

1. To install, carry out the removal steps in reverse order taking note of the following:

NOTE: When installing the Tray 1 Feeder Assembly, make sure to insert the holder securely into the Rail. (Figure 3)

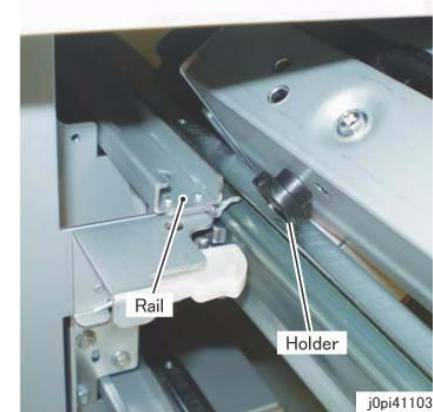


Figure 3 j0pi41103

2. After replacement, clear the HFSI counter.
Tray 1 Feeder Assembly
"Chain-Link: 954-820"
"Chain-Link: 954-835"
Tray 2 Feeder Assembly

"Chain-Link: 954-821"
 "Chain-Link: 954-836"
 Tray 3 Feeder Assembly
 "Chain-Link: 954-822"
 "Chain-Link: 954-837"

REP 11.2.1 Pinch Roll Assembly 1

Parts List on PL 11.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Open the Left Hand Cover Assembly.
2. Remove the Latch Upper Bracket. (Figure 1)
 - (1) Remove the screw.
 - (2) Remove the Latch Upper Bracket.

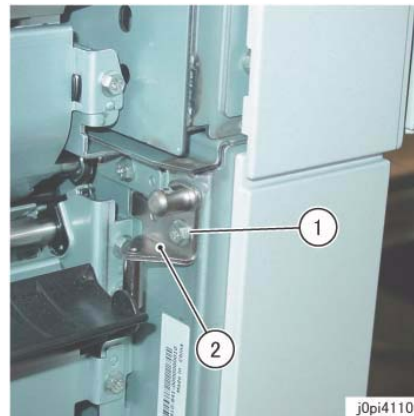
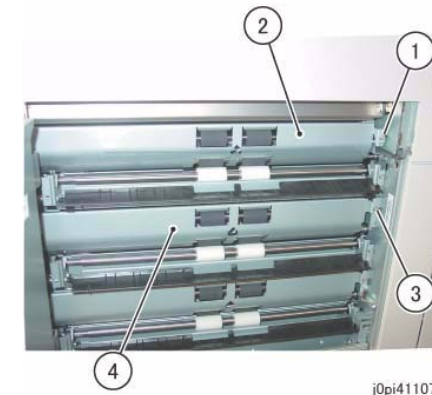


Figure 1 j0pi41106

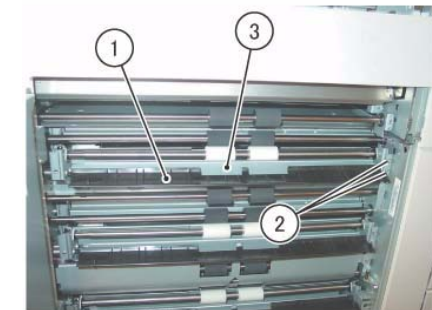
3. Remove the Takeaway Upper/Middle Chute. (Figure 2)
 - (1) Remove the screw.
 - (2) Remove the Takeaway Upper Chute.
 - (3) Remove the screw.
 - (4) Remove the Takeaway Middle Chute.



j0pi41107

Figure 2 j0pi41107

4. Remove the Pinch Roll Assembly 1. (Figure 3)
 - (1) Remove the Feed Out Chute.
 - (2) Remove the screw (x2).
 - (3) Remove the Pinch Roll Assembly 1.



j0pi41108

Figure 3 j0pi41108

Replacement

1. To install, carry out the removal steps in reverse order.

REP 11.2.2 Pinch Roll Assembly 2

Parts List on PL 11.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Open the Left Hand Cover Assembly.
2. Remove the Takeaway Middle/Lower Chute. (Figure 1)
 - (1) Remove the screw.
 - (2) Remove the Takeaway Middle Chute.
 - (3) Remove the screw.
 - (4) Remove the Takeaway Lower Chute.

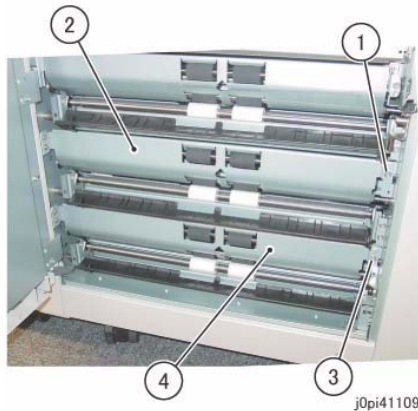


Figure 1 j0pi41109

3. Remove the Pinch Roll Assembly 2. (Figure 2)
 - (1) Remove the Feed Out Chute.
 - (2) Remove the screw (x2).
 - (3) Remove the Pinch Roll Assembly 2.

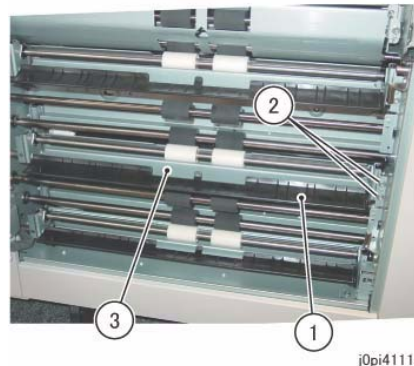


Figure 2 j0pi41110

Replacement

1. To install, carry out the removal steps in reverse order.

REP 11.2.3 Pinch Roll Assembly 3

Parts List on PL 11.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Open the Left Hand Cover Assembly.
2. Move the Interlock Switch Assembly. (Figure 1)
 - (1) Remove the screw.
 - (2) Move the Interlock Switch Assembly.

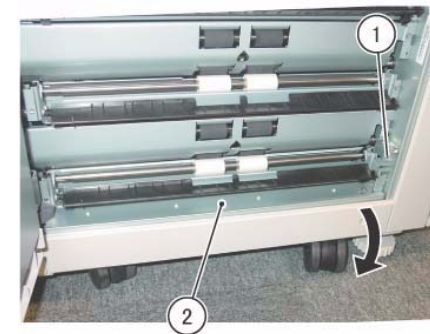
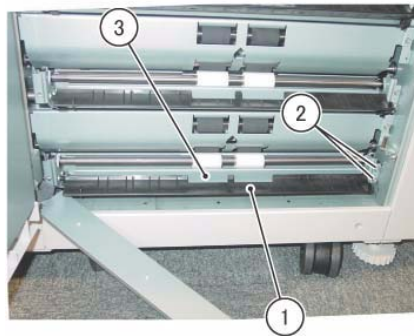


Figure 1 j0pi41111

3. Remove the Pinch Roll Assembly 3. (Figure 2)
 - (1) Remove the Feed Out Chute.
 - (2) Remove the screw (x2).
 - (3) Remove the Pinch Roll Assembly 3.



j0pi41112

Figure 2 j0pi41112

Replacement

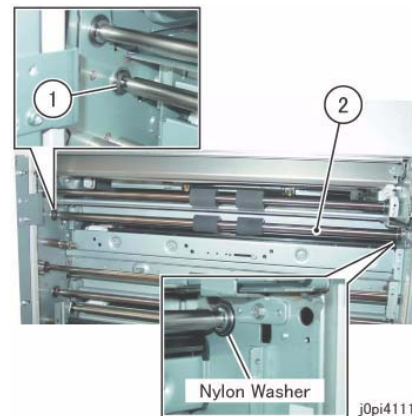
1. To install, carry out the removal steps in reverse order.

REP 11.3.1 Takeaway Roll 1**Parts List on PL 11.3****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

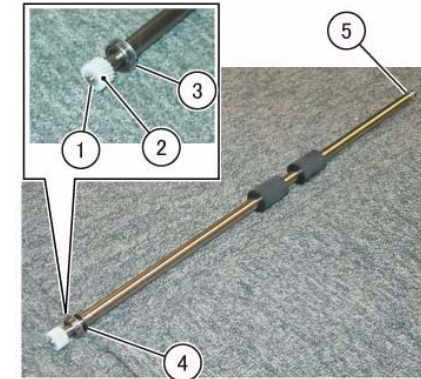
1. Open the Left Hand Cover Assembly.
2. Remove the Pinch Roll Assembly 1. (REP 11.2.1)
3. Remove the Takeaway Roll 1 Assembly. (Figure 1)
 - (1) Remove the KL-Clip.
 - (2) Remove the Takeaway Roll 1 Assembly.



j0pi41113

Figure 1 j0pi41113

4. Remove the One Way Clutch Gear and the Ball Bearing (x2) from the Takeaway Roll 1 Assembly. (Figure 2)
 - (1) Remove the E-Clip.
 - (2) Remove the One Way Clutch Gear.
 - (3) Remove the Ball Bearing.
 - (4) Remove the Nylon Washer.
 - (5) Remove the E-Clip.



j0pi41114

Figure 2 j0pi41114

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, clear the HFSI counter.
"Chain-Link: 954-826"

REP 11.4.1 (SCC) Takeaway Motor Assembly

Parts List on PL 11.4

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the following parts:
 - Remove the Rear Lower Cover Assembly. (PL 19.2)
 - Installation screw: x4 at the rear
 - Remove the Filter Cover. (PL 19.2)
 - Installation screw: x1 at the left
 - Remove the EPSV Cover. (PL 19.2)
 - Installation screw: x1 at the left
 - Remove the Left Lower Rear Cover. (PL 19.2)
 - Installation screw: x1 at the left
2. Remove the Bracket. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the screw (x2).
 - (3) Remove the Bracket.

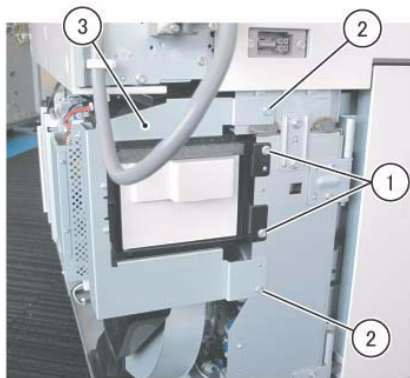


Figure 1 j0pr41101

3. Remove the Filter Case. (Figure 2)
 - (1) Remove the screw.
 - (2) Remove the Filter Case.

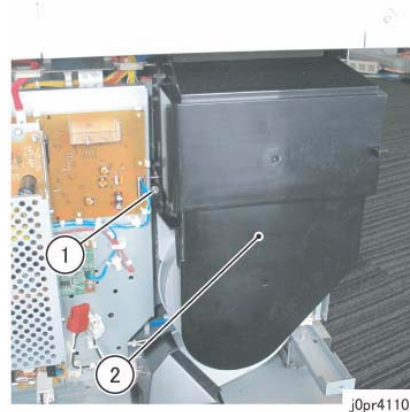


Figure 2 j0pr41102

4. Remove the Blower Fan. (Figure 3)
 - (1) Disconnect the connector.
 - (2) Release the wire harness from the clamp (x2).
 - (3) Remove the screw (x2).
 - (4) Remove the Blower Fan.

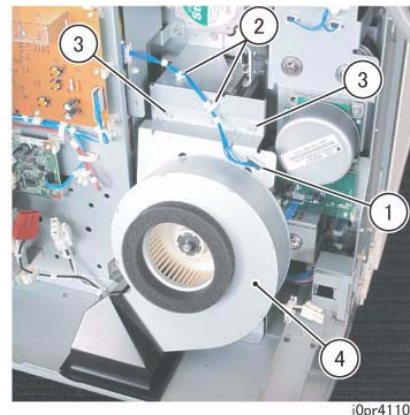


Figure 3 j0pr41103

5. Disconnect the connector (x4). (Figure 4)
 - (1) Disconnect the connector (x2).

- (2) Release the clamp of the wire harness.
- (3) Disconnect the connector (x2).
- (4) Release the wire harness from the clamp (x2).

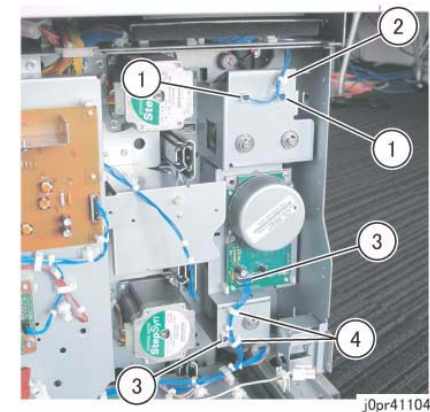


Figure 4 j0pr41104

6. Remove the Takeaway Motor Assembly. (Figure 5)
 - (1) Remove the screw (x6).
 - (2) Remove the Takeaway Motor Assembly.

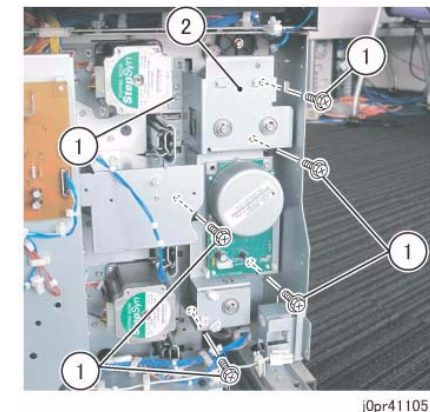


Figure 5 j0pr41105

Replacement

1. To install, carry out the removal steps in reverse order.

REP 11.7.1 Feed/Nudger/Retard Roll (Tray 1/2/3)

Parts List on PL 11.7

Removal

- Tray 1 "Chain Link: 954-820"
- Tray 2 "Chain Link: 954-821"
- Tray 3 "Chain Link: 954-822"

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

NOTE: Replace the Feed/Nudger/Retard Roll at the same time because they have the same life duration.

NOTE: Since the removal procedure for the Feed/Nudger/Retard Rolls of Tray 1/2/3 are the same, only the removal procedure for the Feed/Nudger/Retard Roll of Tray 1 is described here.

1. Remove Tray 1. (REP 11.1.1)
2. Remove the Feed/Nudger/Retard Roll. (Figure 1)
 - (1) Remove the Feed/Nudger/Retard Roll.

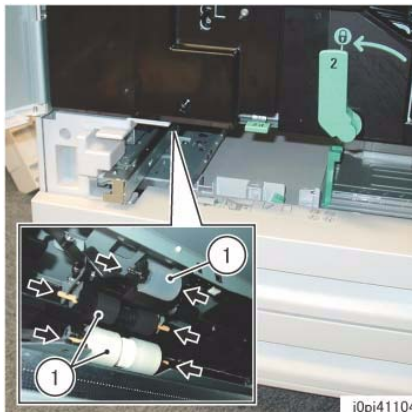


Figure 1 j0pi41104

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, clear the HFSI counter.

REP 13.1.1 MSI

Parts List on PL 13.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Close the MSI Tray. (Figure 1)
2. Disconnect the connector.
 - (1) Disconnect the connector.

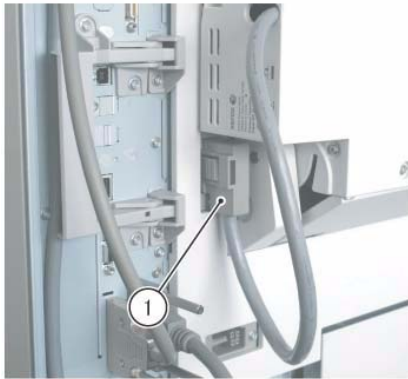


Figure 1 j0pr41301

3. Remove the screw (x2). (Figure 2)
 - (1) Open the cover.
 - (2) Remove the screw (x2).

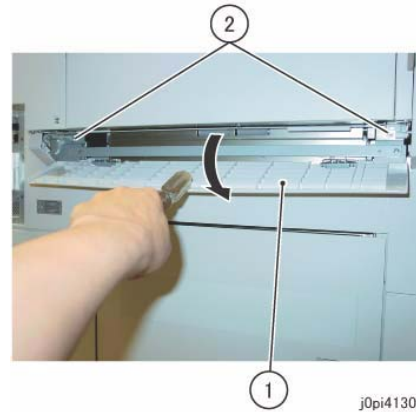


Figure 2 j0pi41302

4. Open the MSI Tray.
5. Remove the MSI. (Figure 3)
 - (1) Remove the MSI.



Figure 3 j0pi41303

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, perform DC740 Tray 5 (Bypass) Guide Adjustment. (Chapter 6 6.4.2.27)
3. After replacement, enter Diag Mode and clear the [DC135 HFSI] counter.
"Chain-Link: 954-823"
"Chain-Link: 954-838"

REP 13.3.1 MSI Feeder

Parts List on PL 13.3

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the MSI. (REP 13.1.1)
2. Remove the MSI Lower Cover. (Figure 1)
 - (1) Remove the screw.
 - (2) Remove the MSI Rear Cover 2 while lowering the Rear Bracket in the direction of the arrow.
 - (3) Remove the spring.
 - (4) Remove the screw (x2).
 - (5) Remove the Plate and the MSI Lower Cover.

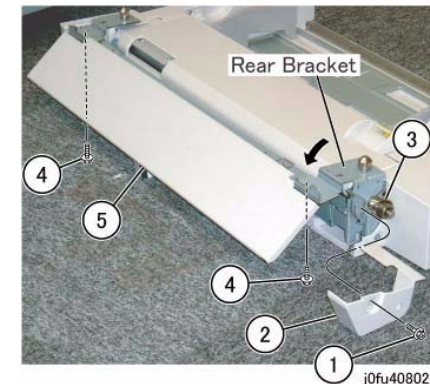


Figure 1 j0fu40802

3. Remove the MSI Front Cover 2. (Figure 2)
 - (1) Remove the Tapping Screw (x2).
 - (2) Remove the MSI Front Cover 2.

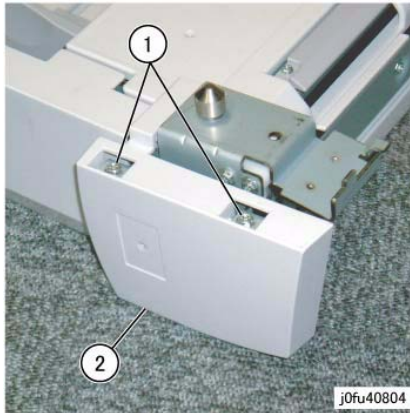


Figure 2 j0fu40804

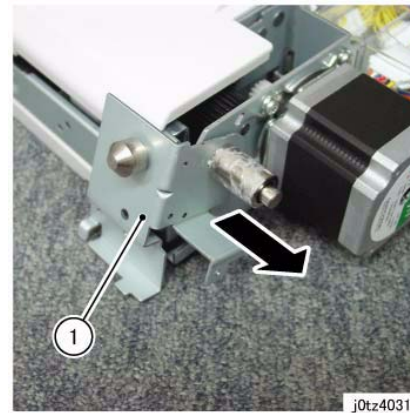


Figure 4 j0tz40310

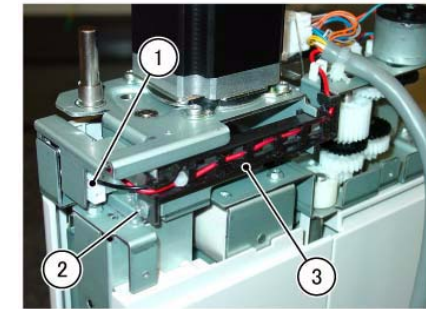


Figure 6 j0tz40304

4. Remove the MSI Front Bracket. (Figure 3)
 - (1) Remove the Tapping Screw (x2).
 - (2) Remove the MSI Front Bracket.

8. Remove the MSI Front Frame. (Figure 5)
 - (1) Remove the screw (x3).
 - (2) Remove the Tapping Screw (x2).
 - (3) Remove the MSI Front Frame.

10. Disconnect the connector (x3). (Figure 7)
 - (1) Disconnect the connector.
 - (2) Release the wire harness from the clamp.
 - (3) Disconnect the connector (x2).

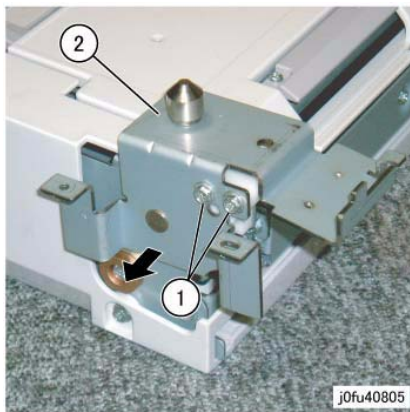


Figure 3 j0fu40805

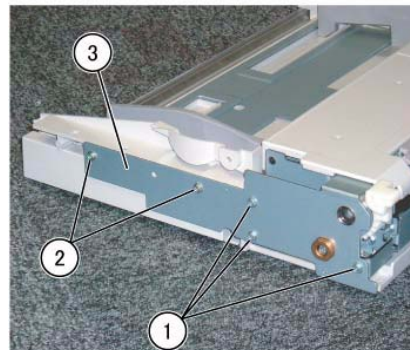


Figure 5 j0fu40806

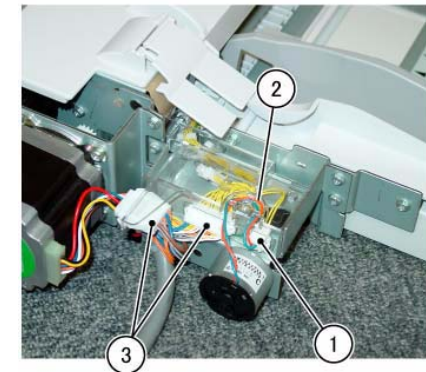
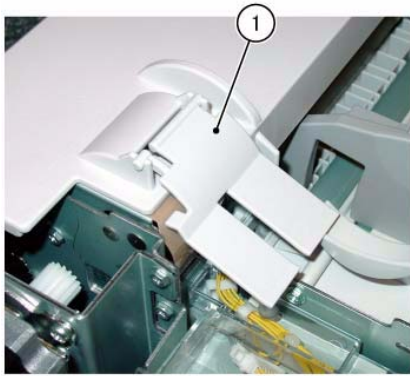


Figure 7 j0tz40305

5. Remove the MSI Front Cover 1. (PL 13.2)
 - Installation screw: x1 at the front
6. Remove the MSI Rear Cover 1. (PL 13.2)
 - Installation screw: x1 at the rear, x2 at the bottom, x1 (Tapping) at the rear
7. Remove the MSI Rear Bracket. (Figure 4)
 - (1) Remove the MSI Rear Bracket.

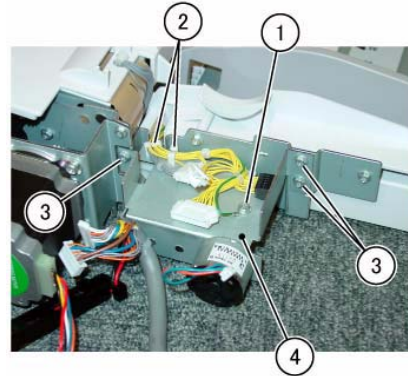
9. Remove the Harness Guide. (Figure 6)
 - (1) Disconnect the connector.
 - (2) Remove the screw.
 - (3) Remove the Harness Guide.

11. Remove the Upper Cover. (Figure 8)
 - (1) Remove the Upper Cover.



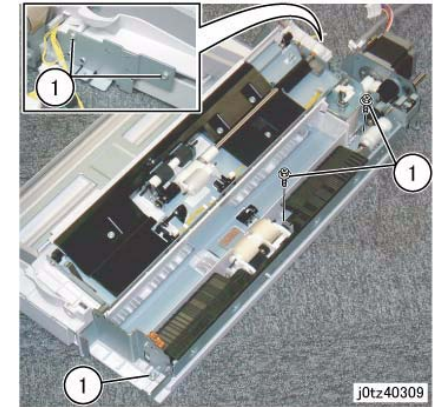
j0tz40306

Figure 8 j0tz40306



j0tz40308

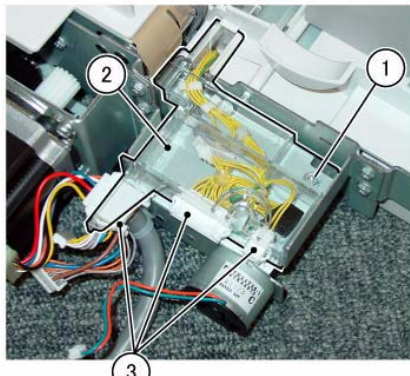
Figure 10 j0tz40308



j0tz40309

Figure 12 j0tz40309

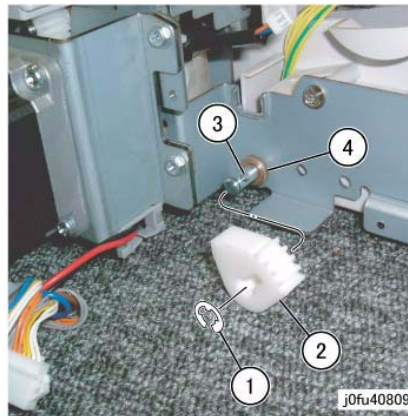
12. Remove the Harness Cover. (Figure 9)
 - (1) Remove the screw.
 - (2) Remove the Harness Cover.
 - (3) Disconnect the connector (x3) from the Harness Cover.



j0tz40307

Figure 9 j0tz40307

14. Remove the Sector Gear. (Figure 11)
 - (1) Remove the E-Ring.
 - (2) Remove the Sector Gear.
 - (3) Remove the Pin.
 - (4) Remove the Bearing.

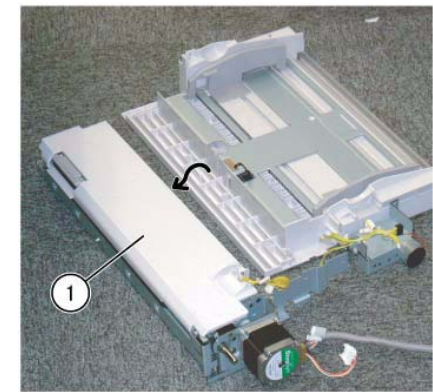


j0fu40809

Figure 11 j0fu40809

13. Remove the MSI Lift Up Motor. (Figure 10)
 - (1) Remove the screw of the earth wire.
 - (2) Release the wire harness from the clamp (x2).
 - (3) Remove the screw (x3).
 - (4) Remove the MSI Lift Up Motor.

17. Close the MSI Upper Feeder.
18. Remove the MSI Feeder. (Figure 13)
 - (1) Remove the MSI Feeder.



j0fu40811

Figure 13 j0fu40811

15. Open the MSI Upper Feeder.
16. Remove the screw that secure the MSI Feeder. (Figure 12)
 - (1) Remove the Tapping Screw (x5).

Replacement

1. To install, carry out the removal steps in reverse order.

REP 13.6.1 Retard Roll**Parts List on PL 13.6****Clean**

NOTE: Replace the Retard/Feed/Nudger Rolls at the same time.
Replacement Kit: 604K 23660

Removal**WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Retard Roll. (Figure 1)
 - (1) Open the MSI Upper Feeder.
 - (2) Remove the Retard Roll.

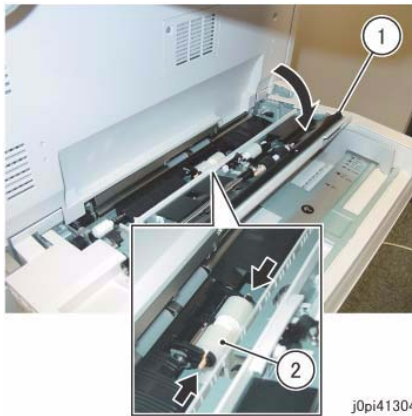


Figure 1 j0pi41304

Replacement

1. To install, carry out the removal steps in reverse order.
2. Align with the D-cut part of the Retard Roll axis to install.
3. After replacement, enter Diag Mode and clear the [DC135 HFSI] counter.
"Chain-Link: 954-823"

REP 13.6.2 Feed Roll**Parts List on PL 13.6****Clean**

NOTE: Replace the Retard/Feed/Nudger Rolls at the same time.
Replacement Kit: 604K 23660

Removal**WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Feed Roll. (Figure 1)
 - (1) Open the MSI Upper Feeder.
 - (2) Remove the Feed Roll.

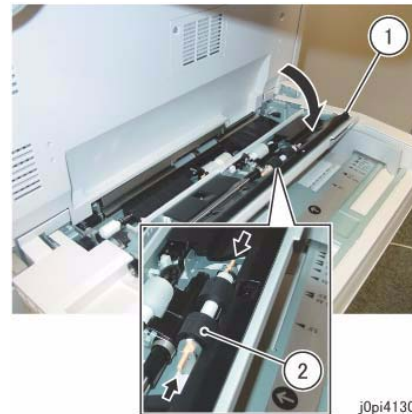


Figure 1 j0pi41305

Replacement

1. To install, carry out the removal steps in reverse order.
2. Align with the D-cut part of the Feed Roll axis to install.
3. After replacement, enter Diag Mode and clear the [DC135 HFSI] counter.
"Chain-Link: 954-823"

REP 13.6.3 Nudger Roll**Parts List on PL 13.6****Clean**

NOTE: Replace the Retard/Feed/Nudger Rolls at the same time.
Replacement Kit: 604K 23660

Removal**WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Nudger Roll. (Figure 1)
 - (1) Open the MSI Upper Feeder.
 - (2) Remove the Nudger Roll.

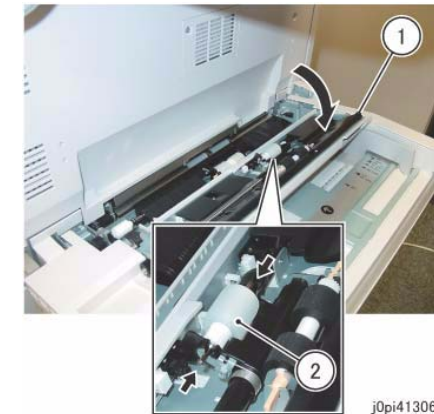


Figure 1 j0pi41306

Replacement

1. To install, carry out the removal steps in reverse order.
2. Align with the D-cut part of the Nudger Roll axis to install.
3. After replacement, enter Diag Mode and clear the [DC135 HFSI] counter.
"Chain-Link: 954-823"

REP 13.7.1 Feed/Nudger Shaft

Parts List on PL 13.7

Replacement

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Install the Feed/Nudger Shaft as shown in the following figure.
(Figure 1)



Figure 1 j0pi41307

REP 14.1.1 Registration Transport Assembly

Parts List on PL 14.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

NOTE: When replacing the Registration Transport Assembly, make sure that you return the NVM [742-466] to '0' beforehand. After replacement, perform 6.4.2.28 DC750 IOT CIS Setup Cycle.

1. Open the Front Cover.
2. Remove the 2ND BTR Roll Assembly. (REP 14.1.2)
3. Disconnect the connector (x4). (Figure 1)
 - (1) Release the wire harness from the clamp.
 - (2) Disconnect the connector (x4).

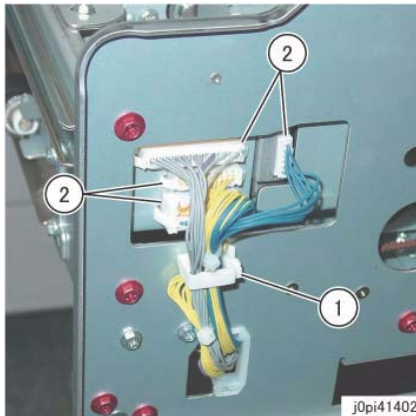


Figure 1 j0pi41402

4. Remove the screw (x2). (Figure 2)
 - (1) Remove the screw (x2).

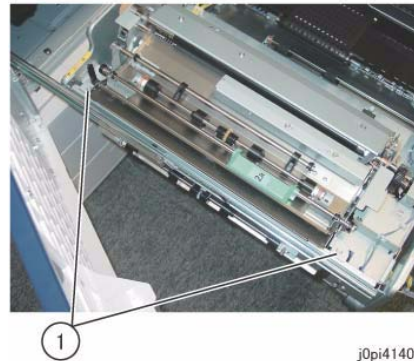


Figure 2 j0pi41403

5. Rotate the Spring Bracket Assembly clockwise by 90 Degrees and remove it. (Figure 3)
 - (1) Remove the screw (x2).
 - (2) Remove the Spring Bracket Assembly.

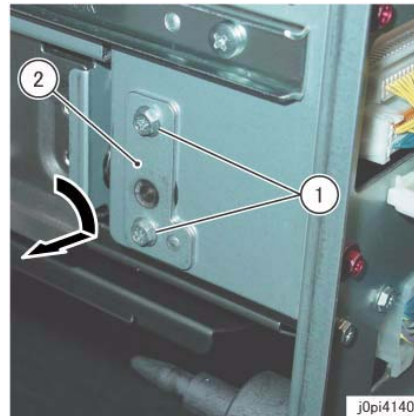


Figure 3 j0pi41404

6. Remove the Registration Transport Assembly. (Figure 4)
 - (1) Remove the KL-Clip.
 - (2) Remove the Registration Transport Assembly.

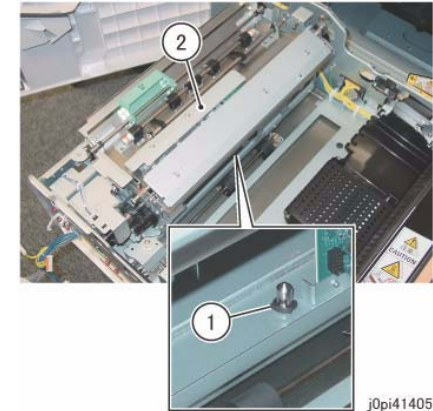


Figure 4 j0pi41405

Replacement

1. To install, carry out the removal steps in reverse order.

REP 14.1.2 2nd BTR Roll Assembly

Parts List on PL 14.1

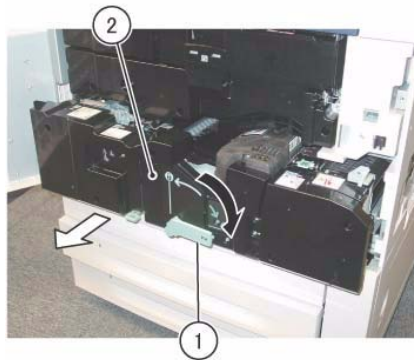
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

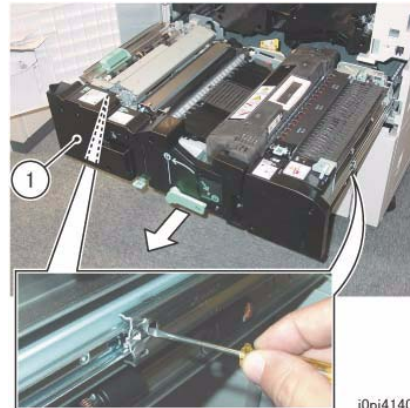
1. Open the Front Cover.
2. Pull out the Drawer Unit. (Figure 1)
 - (1) Lower the lever.
 - (2) Pull out the Drawer Unit.



j0pi41401

Figure 1 j0pi41401

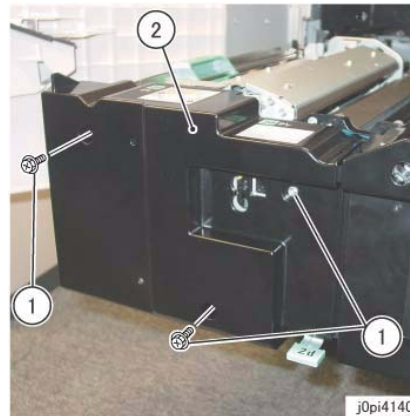
3. Remove the first of the 2-tier stopper of the Drawer Unit's Right/Left Rail and pull the Drawer Unit further out. (Figure 2)
 - (1) Push the stopper and pull the Drawer Unit further out.



j0pi41406

Figure 2 j0pi41406

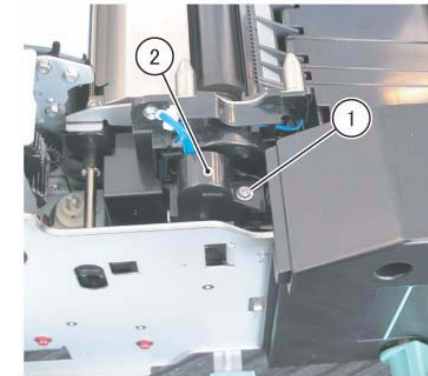
4. Remove the Left Drawer Cover. (Figure 3)
 - (1) Remove the screw (x3).
 - (2) Remove the Left Drawer Cover.



j0pi41407

Figure 3 j0pi41407

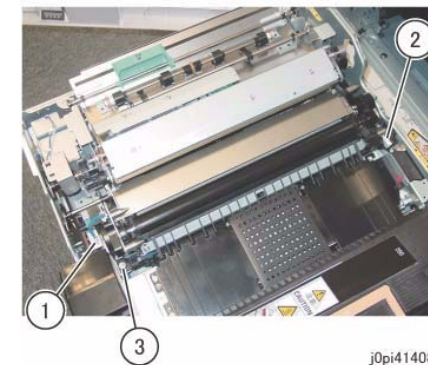
5. Remove the cover. (Figure 4)
 - (1) Remove the screw.
 - (2) Remove the cover.



j0pr41401

Figure 4 j0pr41401

6. Disconnect the connector. (Figure 5)
 - (1) Disconnect the connector.
 - (2) Disconnect the Faston Terminal.
 - (3) Remove the Stud Screw.



j0pi41408

Figure 5 j0pi41408

7. Remove the 2ND BTR Roll Assembly. (Figure 6)
 - (1) Remove the 2ND BTR Roll Assembly.

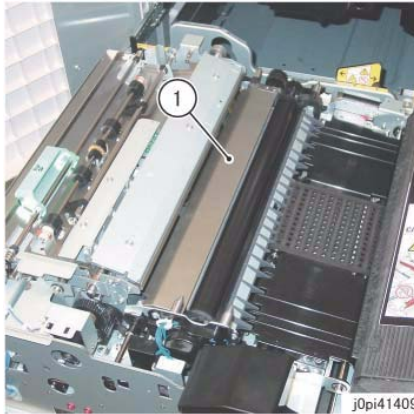


Figure 6 j0pi41409

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, clear the HFSI counter.
"Chain-Link: 954-813"

REP 14.1.3 Inverter Transport Assembly

Parts List on PL 14.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

1. Remove the Fusing Unit. (REP 7.1.2)
2. Remove the Decurler Transport Assembly. (REP 7.1.3)
3. Disconnect the connector (x3). (Figure 1)
 - (1) Disconnect the connector (x3).
 - (2) Release the wire harness from the clamp.

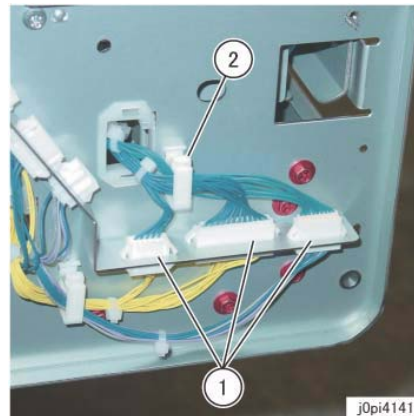


Figure 1 j0pi41417

4. Pull out and remove the wire harness through the hole on the Frame. (Figure 2)
 - (1) Pull out and remove the wire harness through the hole on the Frame.

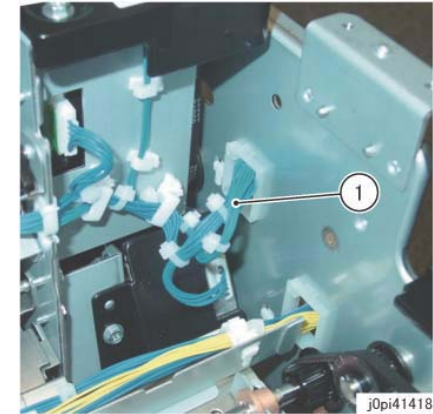


Figure 2 j0pi41418

5. Remove the Inverter Transport Assembly. (Figure 3)
 - (1) Remove the screw (x2).
 - (2) Remove the Inverter Transport Assembly.

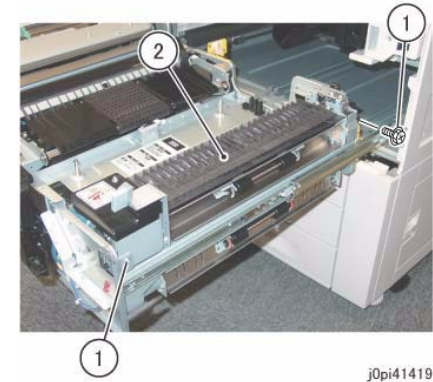


Figure 3 j0pi41419

Replacement

1. To install, carry out the removal steps in reverse order.

REP 14.1.4 V-Transport Assembly**Parts List on PL 14.1****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

1. Remove the Fusing Unit. (REP 7.1.2)
2. Remove the V-Transport Assembly. (Figure 1)
 - (1) Remove the screw (x3).
 - (2) Remove the V-Transport Assembly.

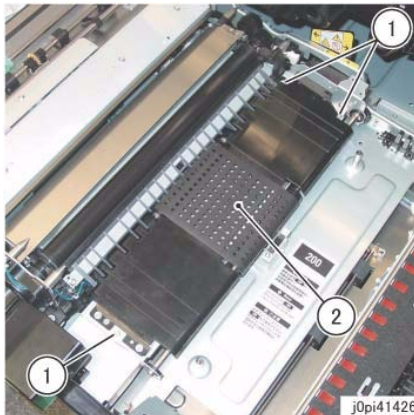


Figure 1 j0pi41426

Replacement

1. To install, carry out the removal steps in reverse order.

REP 14.1.5 Drawer Unit**Parts List on PL 14.1****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

1. As the Drawer Unit is very heavy, remove the following parts to prevent back pain.
 - Fusing Unit (REP 7.1.2)
 - 2ND BTR Roll Assembly (REP 14.1.2)
 - Registration Transport Assembly (REP 14.1.1)
 - Decurler Transport Assembly (REP 7.1.3)
 - Inverter Transport Assembly (REP 14.1.3)
2. Remove the second of the 2-tier stopper of the Drawer Unit's Right/Left Rail and remove the Drawer Unit. (Figure 1)
 - (1) Push the stopper and remove the Drawer Unit.

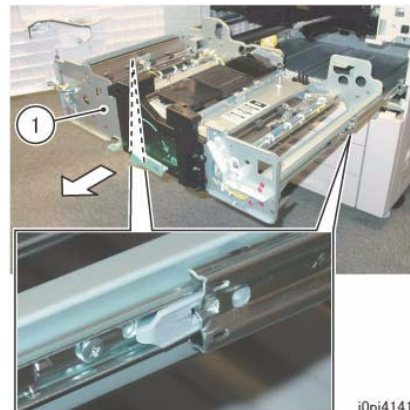


Figure 1 j0pi41412

Replacement

1. To install, carry out the removal steps in reverse order.

REP 14.2.1 Drawer Rail

Parts List on PL 14.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

1. Remove the Drawer Unit. (REP 14.1.5)
2. Remove the following parts:
 - Remove the MSI. (REP 13.1.1)
 - Remove the Left Upper Cover. (PL 19.2)
 - Installation screw: x2 at the left
 - [Color C75 Press]
Either remove the OCT and the OCT Exit Fan or else detach the I/F Module (REP 37.1.1) or the Finisher.
[Color J75 Press]
Detach the I/F Cooling Module (REP 38.1.1) or the Finisher.
 - Remove the Right Upper Rear Cover. (PL 19.1)
 - Installation screw: x2 at the right
 - Remove the Right Upper Cover. (PL 19.1)
 - Installation screw: x2 at the right
 - Remove the Right Lower Rear Cover. (PL 19.1)
 - Installation screw: x2 at the right
3. Remove the Waste Toner Container Cover. (Figure 1)
 - (1) Remove the KL-Clip.
 - (2) Pull out and remove the pin.
 - (3) Remove the Waste Toner Container Cover.

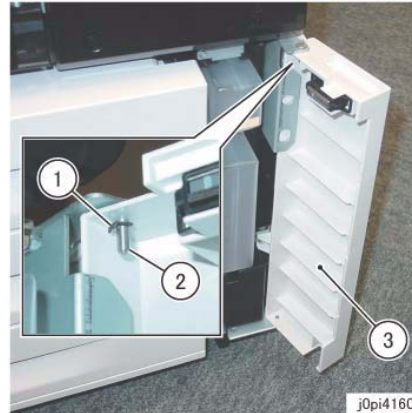


Figure 1 j0pi41601

4. Remove the Right Lower Front Cover. (PL 19.1)
 - Installation screw: x2 at the front
5. Remove the Fan Plate Assembly. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x6).
 - (3) Remove the Fan Plate Assembly.

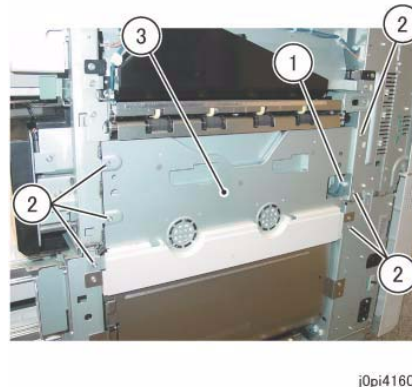


Figure 2 j0pi41604

6. Remove the Drawer Rail at the right of the Main Unit. (Figure 3)
 - (1) Remove the screw (x3).
 - (2) Remove the Drawer Rail.

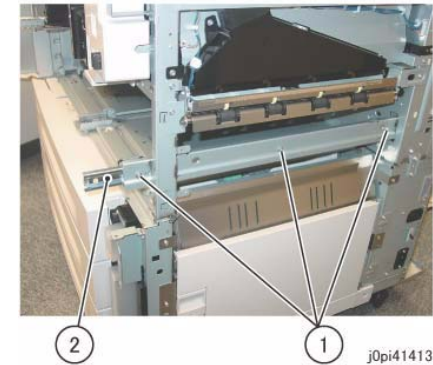


Figure 3 j0pi41413

7. Remove the Drawer Rail at the Drawer Unit. (Figure 4)
 - (1) Remove the screw (x3).
 - (2) Remove the Drawer Rail.

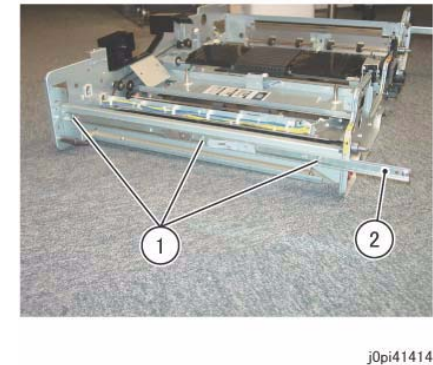
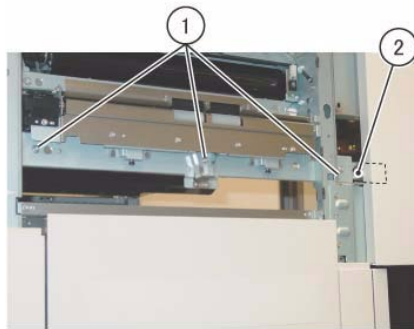


Figure 4 j0pi41414

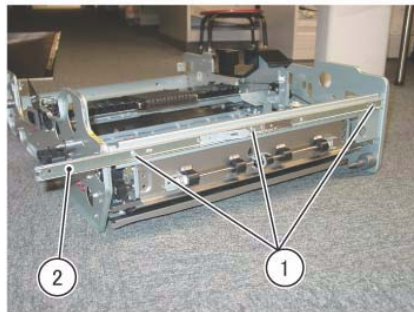
8. Remove the Drawer Rail at the left of the Main Unit. (Figure 5)
 - (1) Remove the screw (x3).
 - (2) Remove the Drawer Rail.



j0pi41415

Figure 5 j0pi41415

9. Remove the Drawer Rail at the Drawer Unit. (Figure 6)
 - (1) Remove the screw (x3).
 - (2) Remove the Drawer Rail.



j0pi41416

Figure 6 j0pi41416

Replacement

1. To install, carry out the removal steps in reverse order.

REP 14.3.1 Duplex Motor Assembly

Parts List on PL 14.3

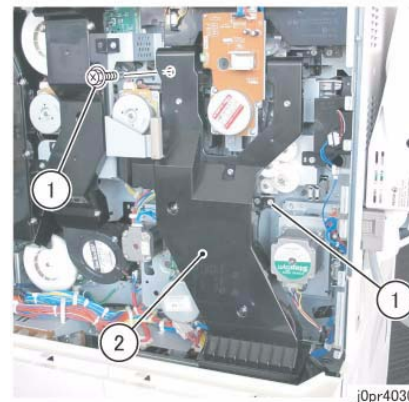
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

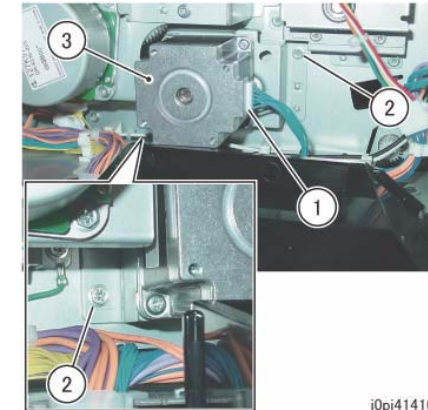
1. Disconnect all cables that are connected to the Control part of the left of the machine.
2. Remove the Rear Upper Cover. (PL 19.2)
 - Installation screw: x5 at the rear
3. Open the IOT PWB Chassis Unit. (REP 18.1.1)
4. Remove the Main-K Duct. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the Main-K Duct.



j0pr40301

Figure 1 j0pr40301

5. Remove the DUP Motor Assembly. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x2).
 - (3) Remove the DUP Motor Assembly.



j0pi41410

Figure 2 j0pi41410

Replacement

1. To install, carry out the removal steps in reverse order.

REP 14.4.1 Duplex Transport Drive Belt

Parts List on PL 14.4

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

- Remove the following parts:
 - Remove the Fusing Unit. (REP 7.1.2)
 - Remove the 2ND BTR Roll Assembly. (REP 14.1.2)
 - Remove the Registration Transport Assembly. (REP 14.1.1)
 - Remove the V-Transport Assembly. (REP 14.1.4)
- Remove the Fusing Unit Handle. (Figure 1)
 - Remove the screw (x2).
 - Remove the Fusing Unit Handle.

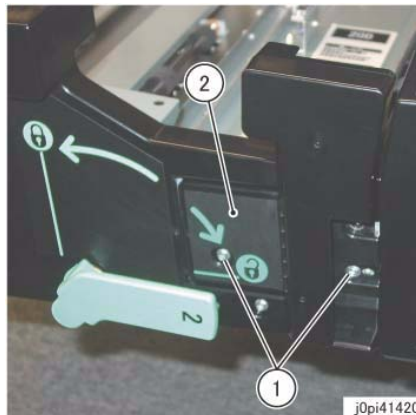


Figure 1 j0pi41420

- Remove the knob. (Figure 2)
 - Remove the screw (x2).
 - Remove the knob.

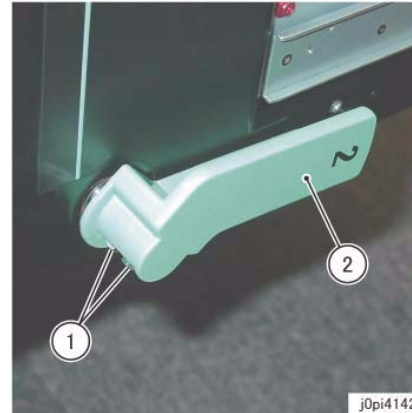


Figure 2 j0pi41421

- Remove the Center Drawer Cover. (Figure 3)
 - Remove the screw (x2).
 - Remove the Center Drawer Cover.

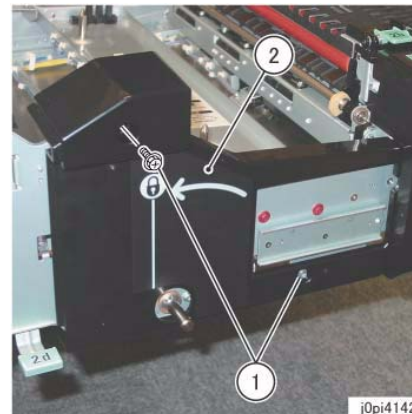


Figure 3 j0pi41422

- Remove the Bracket (x2). (Figure 4)
 - Remove the screw (x3).
 - Remove the Bracket.
 - Remove the screw (x2).
 - Remove the Bracket.

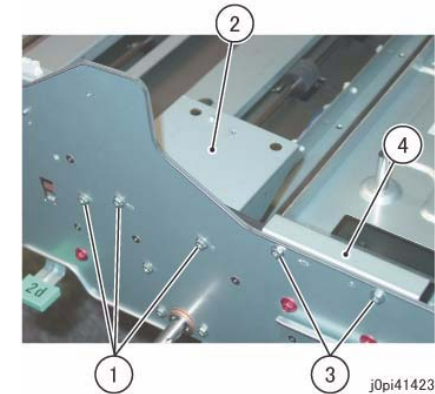


Figure 4 j0pi41423

- Remove the Duplex Transport Drive Belt. (Figure 5)
 - Loosen the screw.
 - Slide the Tension Bracket upwards.
 - Tighten the screw.
 - Remove the Duplex Transport Drive Belt.

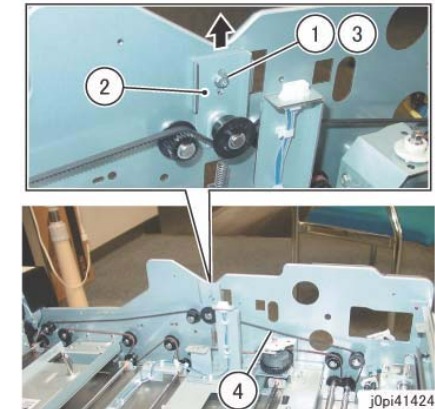
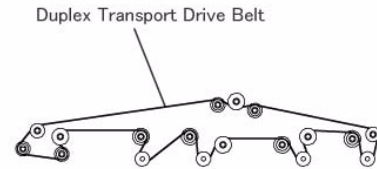


Figure 5 j0pi41424

Replacement

- To install, carry out the removal steps in reverse order taking note of the following:

NOTE: The Duplex Transport Drive Belt should be installed this way. (Figure 6)



Rear View

j0pi41425

Figure 6 j0pi41425

REP 14.8.1 Transport Belt

Parts List on PL 14.8

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

1. Remove the Fusing Unit. (REP 7.1.2)
2. Remove the V-Transport Assembly. (REP 14.1.4)
3. Remove the roller. (Figure 1)

NOTE: Be careful not to lose the Ball Bearing on both sides.

- (1) Remove the roller.

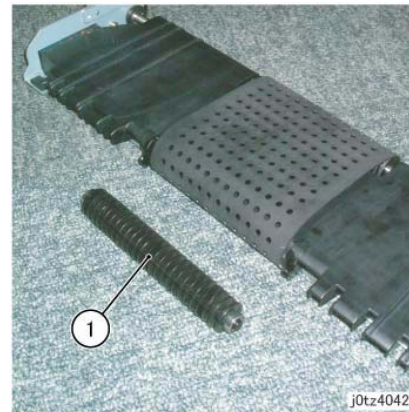
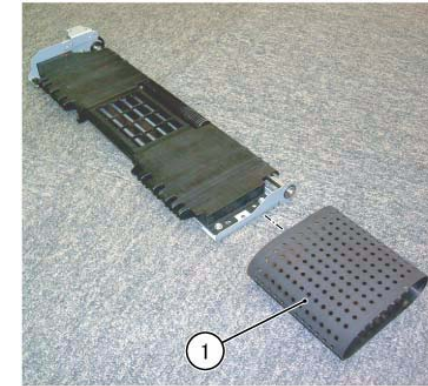


Figure 1 j0tz40420

4. Remove the Transport Belt. (Figure 2)
 - (1) Remove the Transport Belt.



j0tz40421

Figure 2 j0tz40421

Replacement

1. To install, carry out the removal steps in reverse order, taking note of the following:

NOTE: Install the Transport Belt with the glossy side as the inner surface.

REP 15.1.1 MSI Chute Assembly

Parts List on PL 15.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the MSI. (REP 13.1.1)
2. Remove the Left Upper Cover. (PL 19.2)
 - Installation screw: x2 at the left
3. Remove the MSI Chute Assembly. (Figure 1)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x4).
 - (3) Remove the MSI Chute Assembly.

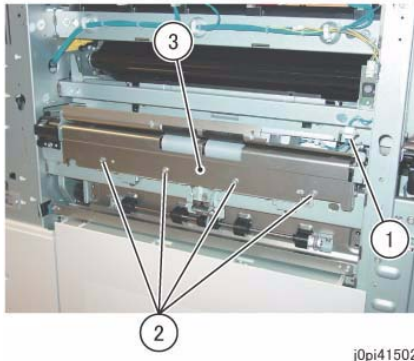


Figure 1 j0pi41502

Replacement

1. To install, carry out the removal steps in reverse order.

REP 16.1.1 Inverter Chute Assembly

Parts List on PL 16.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]

Either remove the OCT and the OCT Exit Fan or else detach the I/F Module (REP 37.1.1) or the Finisher.

[Color J75 Press]

Detach the I/F Cooling Module (REP 38.1.1) or the Finisher.

2. Remove the following parts:

- Remove the Right Upper Rear Cover. (PL 19.1)
 - Installation screw: x2 at the right
- Remove the Right Upper Cover. (PL 19.1)
 - Installation screw: x2 at the right
- Remove the Right Lower Rear Cover. (PL 19.1)
 - Installation screw: x2 at the right
- Remove the Right Lower Center Cover. (PL 19.1)
 - Installation screw: x1 at the right

3. Remove the Waste Toner Container Cover. (Figure 1)

- (1) Remove the KL-Clip.
- (2) Pull out and remove the pin.
- (3) Remove the Waste Toner Container Cover.

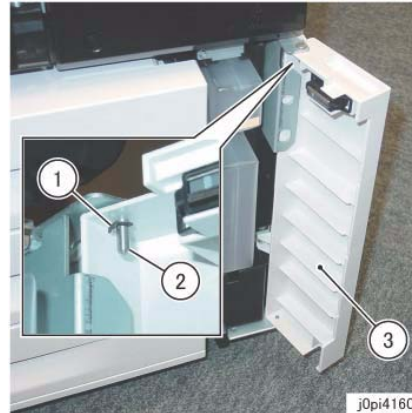


Figure 1 j0pi41601

4. Remove the Right Lower Front Cover. (PL 19.1)
 - Installation screw: x2 at the front
5. Pull out and remove the Waste Toner Container. (PL 8.5)
6. Remove the Inverter Cover. (Figure 2)
 - (1) Remove the screw (x2).
 - (2) Remove the screw (x2).
 - (3) Remove the Inverter Cover.

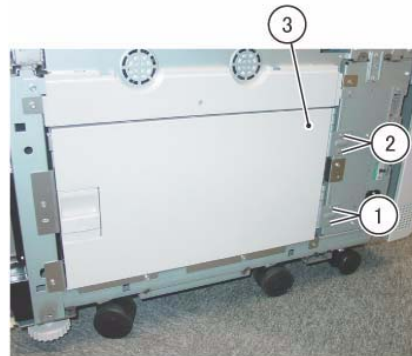


Figure 2 j0pi41602

7. Pull out Tray 1/2/3.
8. Remove the Inner Cover. (Figure 3)
 - (1) Remove the screw (x4).

- (2) Remove the Inner Cover.

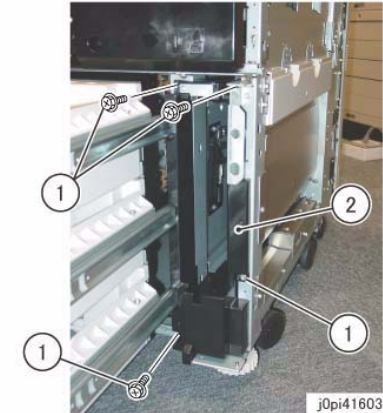


Figure 3 j0pi41603

9. Remove the Fan Plate Assembly. (Figure 4)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x6).
 - (3) Remove the Fan Plate Assembly.

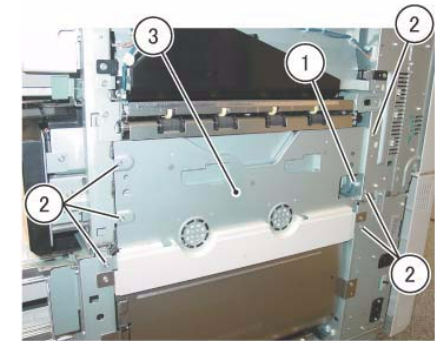


Figure 4 j0pi41604

10. Remove the cover. (Figure 5)
 - (1) Remove the screw.
 - (2) Remove the cover.

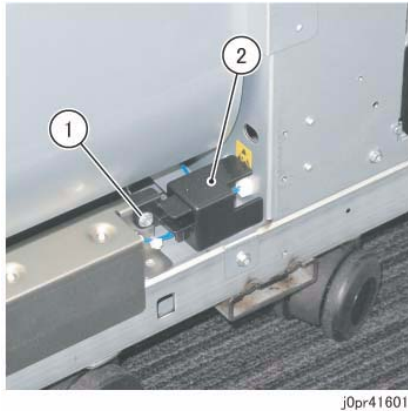


Figure 5 j0pr41601

11. Remove the Inverter Chute Assembly. (Figure 6)

- (1) Disconnect the connector (x2).
- (2) Remove the screw (x6).
- (3) Remove the Inverter Chute Assembly.

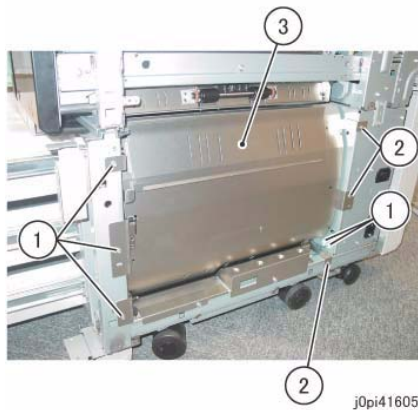


Figure 6 j0pi41605

Replacement

1. To install, carry out the removal steps in reverse order.

REP 18.1.1 Opening/Closing the IOT PWB Chassis Unit

Parts List on PL 18.1

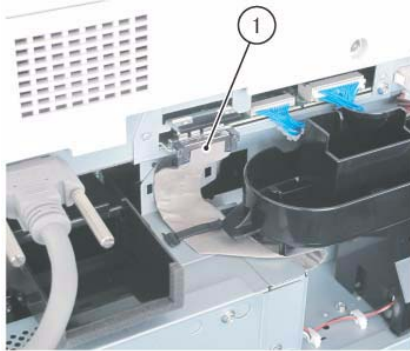
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

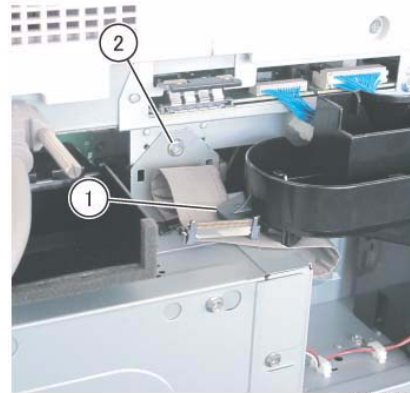
1. If the machine has the HCF attached, detach the HCS.
2. Remove the Rear Upper Cover. (PL 19.2)
 - Installation screw: x5 at the rear
3. Disconnect all cables that are connected to the ESS.
4. Disconnect the IIT-ESS Video Cable. (Figure 1)
 - (1) Disconnect the IIT-ESS Video Cable.



j0pr41802

Figure 1 j0pr41802

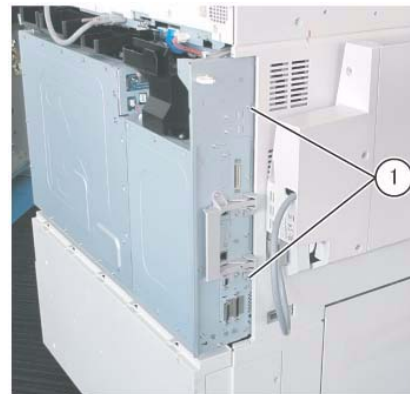
5. Remove the screw that secure the IOT PWB Chassis Unit. (Figure 2)
 - (1) Hook the IIT-ESS Video Cable to the ESS Duct Tab.
 - (2) Remove the screw.



j0pr41803

Figure 2 j0pr41803

6. Loosen the screw (x2) that secure the IOT PWB Chassis Unit. (Figure 3)
 - (1) Loosen the screw (x2).



j0pr41804

Figure 3 j0pr41804

7. Open the IOT PWB Chassis Unit. (Figure 4)
 - (1) Open the IOT PWB Chassis Unit.



j0pr41805

Figure 4 j0pr41805

Replacement

1. To install, carry out the removal steps in reverse order.

REP 18.2.1 (SCC) MCU PWB and (SCC) (ISC) NVM PWB

Parts List on PL 18.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Static electricity may damage electrical parts. Static electricity may damage electrical parts. Always wear a wrist band during servicing. If a wrist band is not available, touch some metallic parts before servicing to discharge the static electricity.

CAUTION

The Serial No., Product No. and Billing Counter are held at the following 3 locations respectively. Therefore, when replacing the following parts, do it one-by-one (do not replace several simultaneously).

1. NVM PWB of MCU PWB
2. NVM PWB of ESS PWB
3. SEEP ROM of BP PWB

The IOT displayed on the UI screen represents the MCU PWB, while SYS1 represents the BP PWB, and SYS2 represents the ESS PWB.

1. Remove the Rear Upper Cover. (PL 19.2)
 - Installation screw: x5 at the rear
2. Remove the MCU PWB Cover. (PL 18.1)
 - Installation screw: x2 at the rear
 - : x12 at the rear, loosen
3. When replacing the NVM PWB or MCU PWB, remove the NVM PWB. (Figure 1)

CAUTION

Never replace the lithium battery by itself.

NOTE: The lithium battery may produce heat, blow out, or catch fire if the terminal comes in contact with the other metal and short-circuits. If the battery alone is to be collected, be sure to cover the terminal with a adhesive insulating tape, etc.

NOTE: If the lithium battery is attached on the PWB or other part, put it in the packing materials (bag or box) for the part to be replaced for collection.

- (1) Remove the NVM PWB from the spacer.



Figure 1 j0pr41806

4. Remove the IOT PWB. (Figure 2)
 - (1) Disconnect the connector (x11).
 - (2) Remove the screw (x6).
 - (3) Remove the IOT PWB.

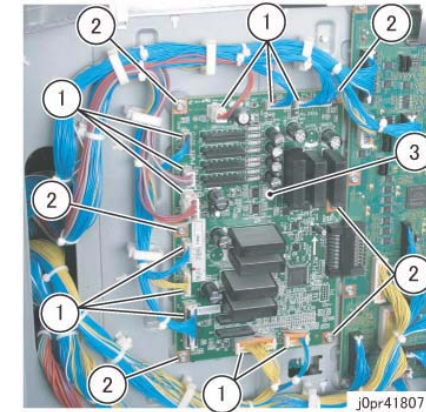


Figure 2 j0pr41807

5. Disconnect the Flat Cable (x4) and the connector (x12) of the MCU PWB. (Figure 3)
 - (1) Disconnect the Flat Cable (x8).
 - (2) Disconnect the connector (x17).

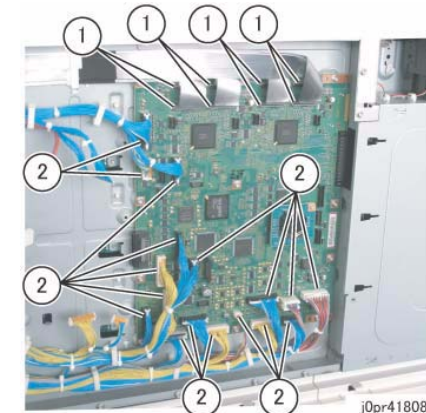


Figure 3 j0pr41808

6. Remove the MCU PWB. (Figure 4)
 - (1) Remove the screw (x11).
 - (2) Disconnect the connector and remove the MCU PWB.

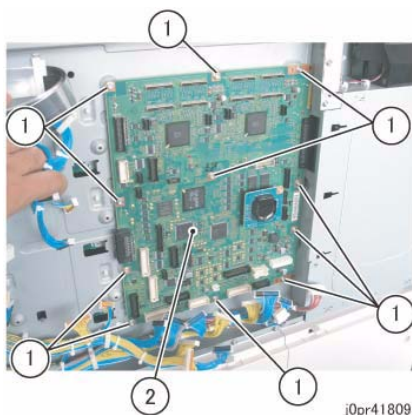


Figure 4 j0pr41809

Replacement

- To install, carry out the removal steps in reverse order.
- After replacing the NVM PWB, follow the procedure below:

NOTE: Replacing the NVM PWB clears the current value counter for the Periodic Replacement Parts to '0'. Therefore, when replacing Periodic Replacement Parts after the NVM PWB is replaced, their usage amount before the replacement must be taken into consideration. (After a replacement, the value cannot be reverted to that before the replacement)
If the current value before replacing the NVM PWB is required, make sure to record them before performing replacement.

- Record the values for the NVM in the following Table.

Table 1

Chain-Link	HFSI Counter Name
954-800	Drum Cartridge Y
954-801	Drum Cartridge M
954-802	Drum Cartridge C
954-803	Drum Cartridge K
954-805	Developer Housing Y
954-806	Developer Housing M
954-807	Developer Housing C
954-808	Developer Housing K
954-813	2nd BTR Unit
954-814	IBT Belt
954-815	IBT Belt CLN Assy

Table 1

Chain-Link	HFSI Counter Name
954-816	CC Filter
954-817	Suction Filter
954-818	Fusing Unit Ozone Filter
954-819	Standard Fusing Unit 0
954-820	T1 F/R/N Roll
954-821	T2 F/R/N Roll
954-822	T3 F/R/N Roll
954-823	MSI F/R/N Roll
954-824	HCF 1 F/R/N Roll
954-826	Takeaway Roll 1
954-827	Takeaway Roll 2
954-828	Takeaway Roll 3
954-829	MSI Takeaway Roll
954-830	HCF 1 T/A Roll
954-832	Takeaway Clutch 1
954-833	Takeaway Clutch 2
954-834	Takeaway Clutch 3
954-835	T1 Feed Unit
954-836	T2 Feed Unit
954-837	T3 Feed Unit
954-838	MSI Feed Unit
954-839	HCF 3.2 MSI T/A Roll
954-840	HCF 3.2 T1 F/R/N Roll
954-841	HCF 3.2 T2 F/R/N Roll
954-842	HCF 3.2 T1 T/A Roll
954-843	HCF 3.2 T2 T/A Roll
954-846	IOT Decurler Assy
954-850	Thick Paper Fusing Unit 0
954-851	Envelope Fusing Unit
954-854	HCF 3.1 MSI T/A Roll
954-855	HCF 3.1 T F/R/N Roll
954-856	HCF 3.1 Tray T/A Roll
954-857	Standard Fusing Unit 1
954-858	Standard Fusing Unit 2
954-859	Standard Fusing Unit 3
954-860	Standard Fusing Unit 4
954-861	Standard Fusing Unit 5
954-862	Standard Fusing Unit 6
954-863	Standard Fusing Unit 7

Table 1

Chain-Link	HFSI Counter Name
954-864	Thick Paper Fusing Unit 1
954-865	Thick Paper Fusing Unit 2
954-866	Thick Paper Fusing Unit 3
954-867	Thick Paper Fusing Unit 4
954-868	Thick Paper Fusing Unit 5
954-869	Thick Paper Fusing Unit 6
954-870	Thick Paper Fusing Unit 7
954-871	HCF 3.5 MSI T/A Roll 1
954-872	HCF 3.5 T1 F/R/N Roll
954-873	HCF 3.5 T1 T/A Roll
954-874	HCF 3.5 T2 F/R/N Roll
954-875	HCF 3.5 T2 T/A Roll

- Replace with a new NVM PWB.
- Turn ON the power.
- A 3-point check-related error has occurred. (e.g. 124-315)
- Enter the Diag Mode from the UI screen.
- Execute DC132. (Refer to 6.4.2.11 in Chapter 6)
 - When exiting from the Diag Mode, the machine automatically reboots.
- Enter the Diag Mode from UI again.
- Press the [Initialize NVM] menu button.
- Initialize the IOT. (Refer to 6.4.2.16 in Chapter 6)
- Exit from the Diag.
- The machine reboots automatically.
- When it is possible to use the NVM Settings Recovery Tool to store the NVM values, use the NVM Settings Recovery Tool to restore the NVM values. (Not required for NVM PWB that comes with MCU)

When it is not possible to use the NVM Settings Recovery Tool, perform (13) onwards.
- Enter the Diag Mode from UI again.
- Check the values of the NVM in Table 2 and in the NVM List that is bundled with the Main Unit and reset the items that are not at their default value.

Table 2

Chain-Link	Default Value
744-002	3
716-150	300

(15) Enter the values that were recorded in Step (1).

REP 18.2.2 (SCC) BP PWB Assembly

Parts List on PL 18.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Always wear a wrist band to protect electrical parts from static damage. If a wrist band is not available, touch some metallic parts before servicing to discharge the static electricity.

CAUTION

Do not get yourself hurt by a soldered portion on the back of the PWB.

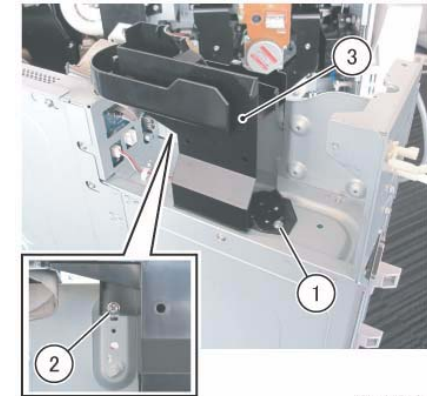
CAUTION

The Serial No., Product No. and Billing Counter are held at the following 3 locations respectively. Therefore, when replacing the following parts, do it one-by-one (do not replace several simultaneously).

1. NVM PWB of MCU PWB
2. NVM PWB of ESS PWB
3. SEEP ROM of BP PWB

The IOT displayed on the UI screen represents the MCU PWB, while SYS1 represents the BP PWB, and SYS2 represents the ESS PWB.

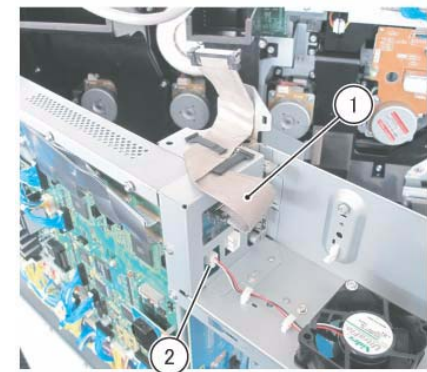
1. If the machine has the HCF attached, detach the HCS.
2. Disconnect all cables that are connected to the ESS.
3. Remove the Control Unit. (REP 35.1.1)
4. Open the IOT PWB Chassis Unit. (REP 18.1.1)
5. Remove the ESS Duct. (Figure 1)
 - (1) Remove the screw.
 - (2) Loosen the screw.
 - (3) Remove the ESS Duct.



j0pr41810

Figure 1 j0pr41810

6. Remove the MCU PWB Cover. (PL 18.1)
 - Installation screw:
 - x4 at the rear
 - x8 at the rear, loosen
7. Remove the CONT Cover. (PL 18.1)
 - Installation screw: x2 at the rear
8. Disconnect the connection between the connector and the Flat Cable. (Figure 2)
 - (1) Disconnect the Flat Cable and remove it from the clamp (x2).
 - (2) Disconnect the connector.



j0pr41811

Figure 2 j0pr41811

9. Remove the Shield. (Figure 3)
 - (1) Remove the screw (x3).
 - (2) Remove the Shield.

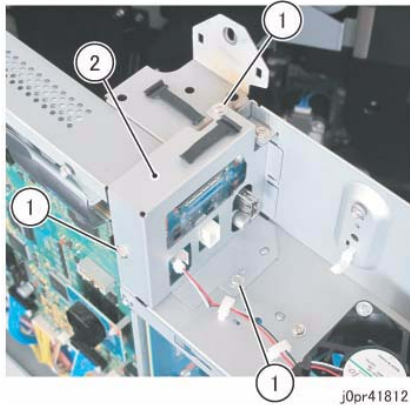


Figure 3 j0pr41812

10. Remove the Panel. (Figure 4)
 - (1) Remove the screw (x4).
 - (2) Remove the Panel.

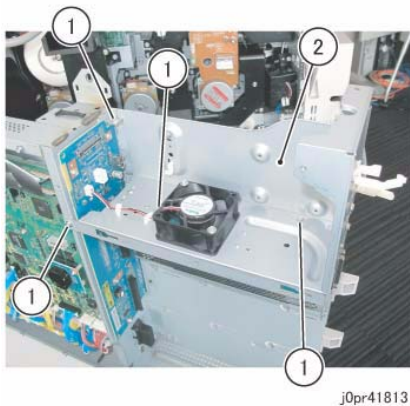


Figure 4 j0pr41813

11. Remove the VSEL PWB Assembly. (Figure 5)
 - (1) Remove the screw (x2).
 - (2) Pull out the VSEL PWB Assembly.

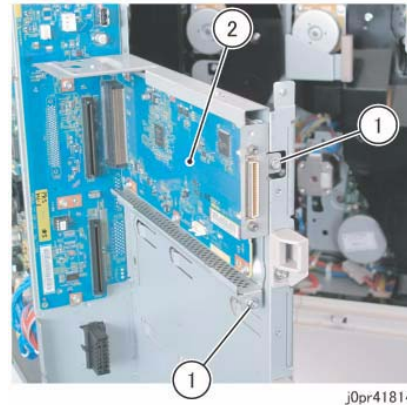


Figure 5 j0pr41814

12. Disconnect the connector (x3). (Figure 6)
 - (1) Disconnect the connector (x3).

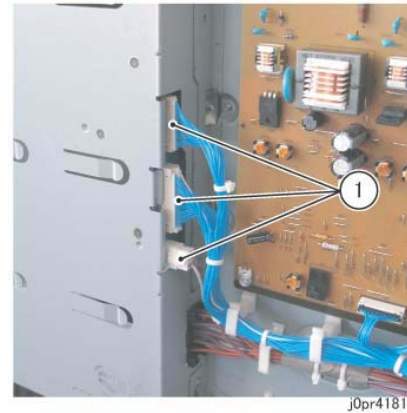


Figure 6 j0pr41815

13. Remove the BP PWB Assembly. (Figure 7)
 - (1) Remove the screw (x5).
 - (2) Remove the BP PWB Assembly.

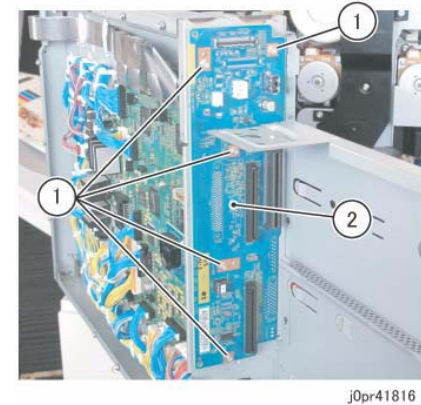


Figure 7 j0pr41816

Replacement

1. To install, carry out the removal steps in reverse order.
2. When replacing the BP PWB Assembly, remove the SEEP ROM and the Conductor (x2) from the old BP PWB Assembly and install them onto the new one. (Figure 8)

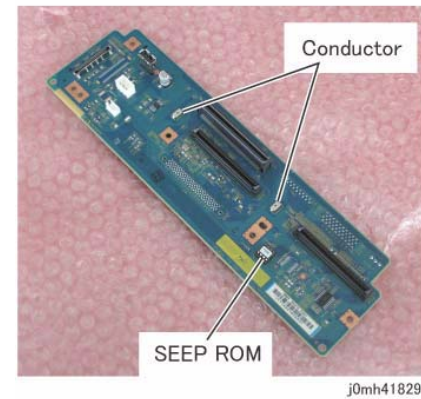


Figure 8 j0mh41829

CAUTION

The Conductor (x2) provide EMC countermeasure by attaching the metallic Bracket at the BP PWB Assembly of the Control Unit to the PWB Chassis.

REP 18.3.1 MOB ADC Assembly**Parts List on PL 18.3****Removal****WARNING**

Make sure that all jobs have been completed. Check that the "Online" lamp is OFF and turn OFF the power.

After turning OFF the power of the machine, turn OFF the breaker switch and unplug the power plug from the outlet.

1. Disconnect all cables that are connected to the Control part at the left of the machine.
2. Remove the MSI. (REP 13.1.1)
3. Remove the Left Upper Cover. (PL 19.2)
 - Installation screw: x2 at the left
4. Remove the Drum Cartridge. (REP 8.1.1)
5. Remove the first of the 2-tier stopper of the Rail and pull the XERO/DEVE Drawer Unit further out. (Figure 1)
 - (1) Remove the first tier stopper.
 - (2) Pull the XERO/DEVE Drawer Unit further out.

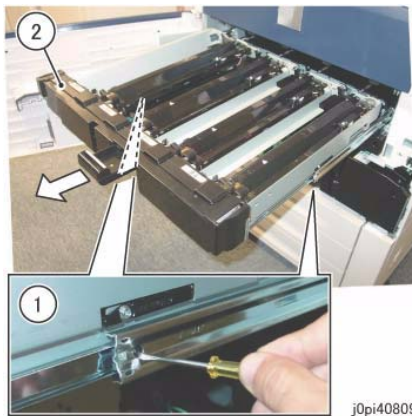


Figure 1 j0pi40809

6. Remove the second of the 2-tier stopper of the Rail and remove the XERO/DEVE Drawer Unit. (Figure 2)
 - (1) Remove the second tier stopper.
 - (2) Remove the Booklet Drawer Unit.

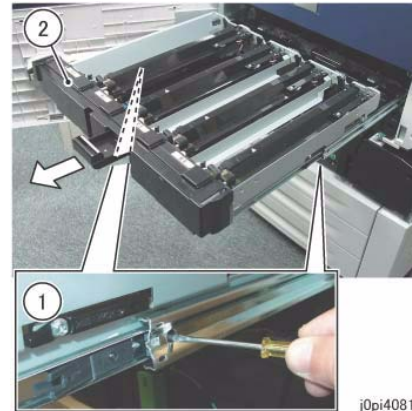


Figure 2 j0pi40810

7. Remove the IBT Cleaner Assembly. (REP 6.3.2)
8. Remove the IBT Belt Assembly. (REP 6.3.1)
9. Push in the IOT Drawer Unit.
10. Push in the Drawer Unit.
11. Disconnect the connector. (Figure 3)
 - (1) Disconnect the connector.

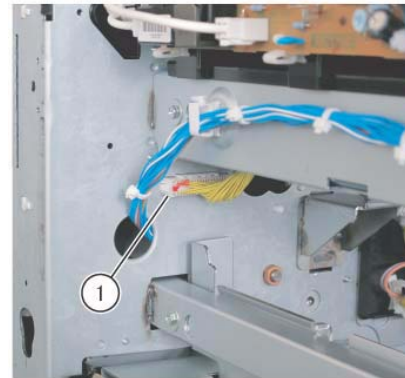


Figure 3 j0pr41801

12. Lift up the MOB ADC Assembly and remove it. (Figure 4)

NOTE: The MOB ADC Assembly can be lifted up and removed without having to remove the screw.

- (1) Remove the MOB ADC Assembly.

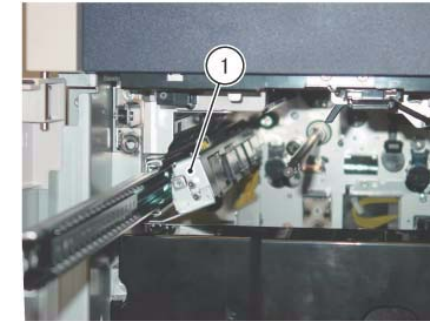


Figure 4 j0pi41803

Replacement

1. To install, carry out the removal steps in reverse order.

REP 18.4.1 (SCC) HVPS (PR12)

Parts List on PL 18.4

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Rear Lower Cover. (PL 19.2)
 - Installation screw: x4 at the rear
2. Disconnect the connector (x4) of the IIT LVPS Assembly (CC3). (Figure 1)
 - (1) Disconnect the connector (x3).
 - (2) Remove the clamp of the wire harness.
 - (3) Disconnect the connector.
 - (4) Remove the clamp of the wire harness.
 - (5) Release the wire harness from the clamp.

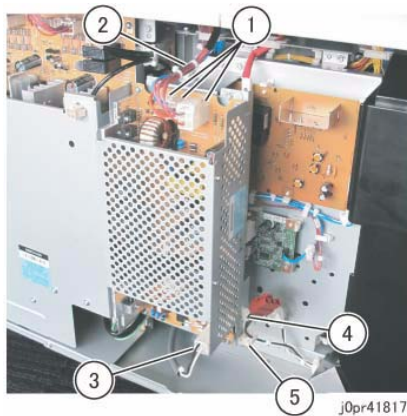


Figure 1 j0pr41817

3. Remove the IIT LVPS Assembly (CC3). (Figure 2)
 - (1) Remove the screw (x3).
 - (2) Remove the IIT LVPS Assembly (CC3).

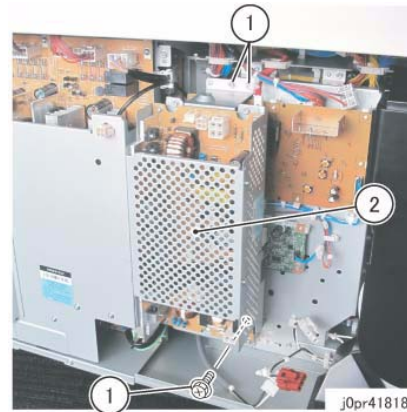


Figure 2 j0pr41818

4. Remove the HVPS (PR12). (Figure 3)
 - (1) Disconnect the Faston Terminal.
 - (2) Disconnect the connector.
 - (3) Remove the screw.
 - (4) Remove the HVPS (PR12) from the PWB Support (x7).

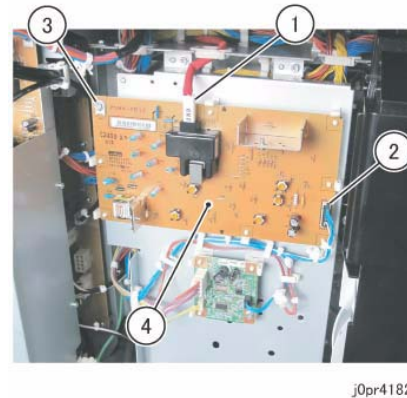


Figure 3 j0pr41823

Replacement

1. To install, carry out the removal steps in reverse order.

REP 18.4.2 (SCC) PH Drive PWB

Parts List on PL 18.4

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Rear Lower Cover. (PL 19.2)
 - Installation screw: x4 at the rear
2. Disconnect the connector (x4) of the IIT LVPS Assembly (CC3). (Figure 1)
 - (1) Disconnect the connector (x3).
 - (2) Remove the clamp of the wire harness.
 - (3) Disconnect the connector.
 - (4) Remove the clamp of the wire harness.
 - (5) Release the wire harness from the clamp.

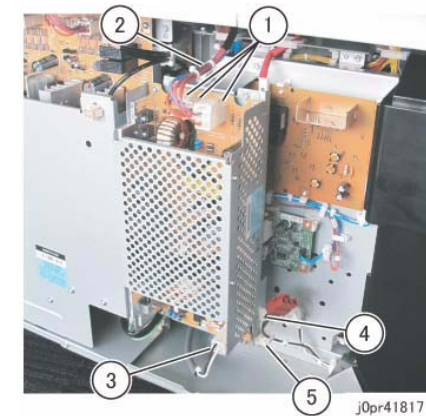


Figure 1 j0pr41817

3. Remove the IIT LVPS Assembly (CC3). (Figure 2)
 - (1) Remove the screw (x3).
 - (2) Remove the IIT LVPS Assembly (CC3).

(3) Remove the HVPS Assembly (PR12).

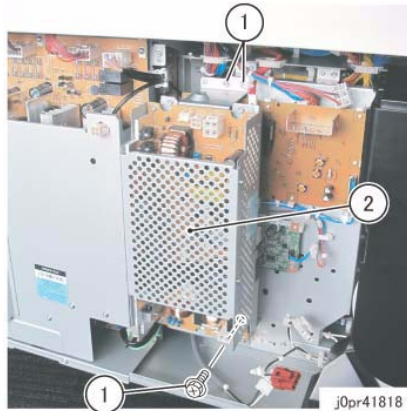


Figure 2 j0pr41818

4. Disconnect the Faston Terminal and the connector (x4) of the HVPS Assembly (PR12). (Figure 3)

- (1) Disconnect the Faston Terminal.
- (2) Disconnect the connector.
- (3) Disconnect the connector (x3).
- (4) Remove the clamp of the wire harness.
- (5) Release the wire harness from the clamp (x5).

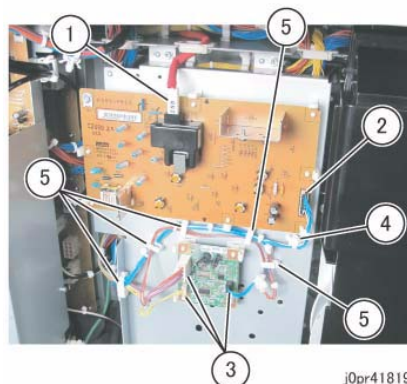


Figure 3 j0pr41819

5. Remove the HVPS Assembly (PR12). (Figure 4)

- (1) Remove the clamp of the wire harness.
- (2) Remove the screw (x4).

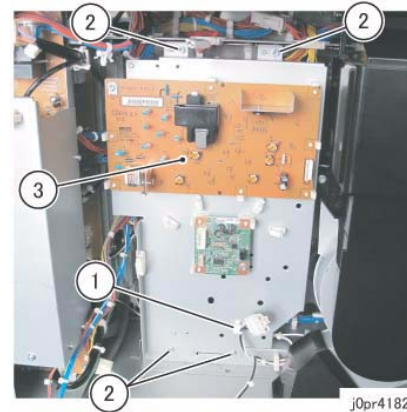


Figure 4 j0pr41820

6. Disconnect the connector (x19) of the PH Drive PWB. (Figure 5)

- (1) Disconnect the connector (x19).

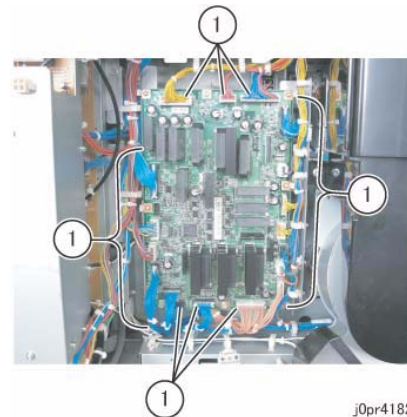


Figure 5 j0pr41821

7. Remove the PH Drive PWB. (Figure 6)

- (1) Remove the screw (x2).
- (2) Remove the PH Drive PWB from the PWB Support (x6).

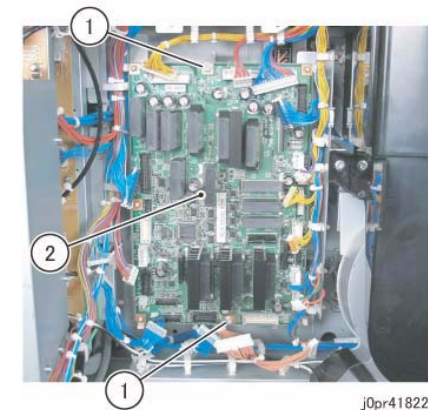


Figure 6 j0pr41822

Replacement

1. To install, carry out the removal steps in reverse order.

REP 18.5.1 (SCC) LVPS Assembly (N10)

Parts List on PL 18.5

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Rear Lower Cover. (PL 19.2)
 - Installation screw: x4 at the rear
2. Disconnect the connector (x4) of the IIT LVPS Assembly (CC3). (Figure 1)
 - (1) Disconnect the connector (x3).
 - (2) Remove the clamp of the wire harness.
 - (3) Disconnect the connector.
 - (4) Remove the clamp of the wire harness.
 - (5) Release the wire harness from the clamp.

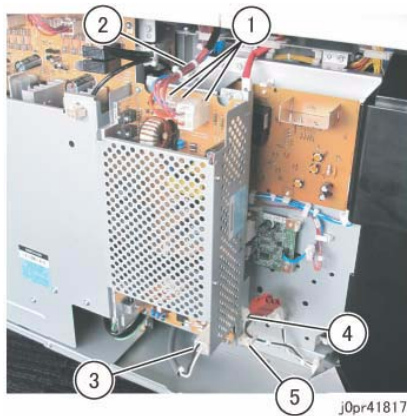


Figure 1 j0pr41817

3. Remove the IIT LVPS Assembly (CC3). (Figure 2)
 - (1) Remove the screw (x3).
 - (2) Remove the IIT LVPS Assembly (CC3).

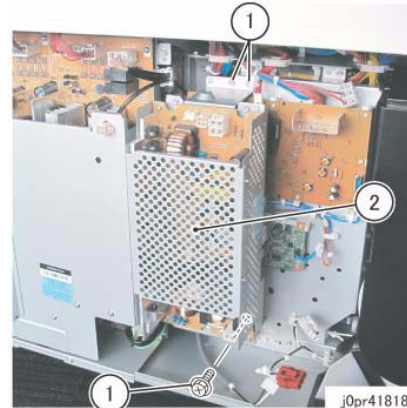


Figure 2 j0pr41818

4. Remove the Bracket. (Figure 3)
 - (1) Loosen the screw (x2).
 - (2) Remove the screw (x2).
 - (3) Remove the Bracket.

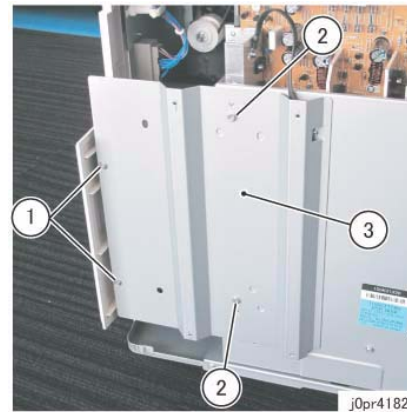


Figure 3 j0pr41824

5. Disconnect the connector (x7) from the LVPS Assembly (N10). (Figure 4)
 - (1) Disconnect the connector (x6).
 - (2) Disconnect the connector from the LVPS Assembly (N10).
 - (3) Release the wire harness from the clamp.

- (4) Disconnect the connector.
- (5) Release the wire harness from the clamp.

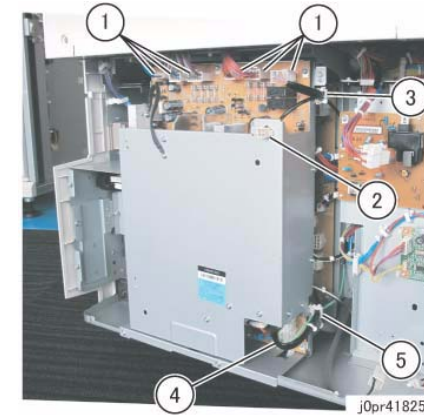


Figure 4 j0pr41825

6. Remove the LVPS Assembly (N10). (Figure 5)
 - (1) Remove the screw (x5).
 - (2) Remove the LVPS Assembly (N10).

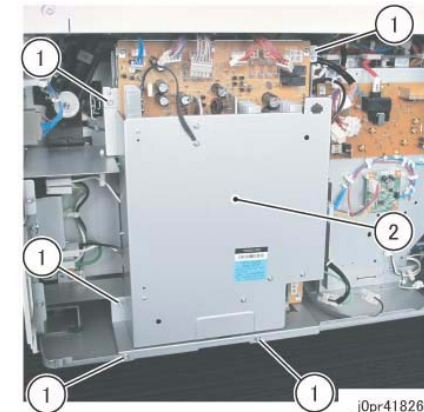


Figure 5 j0pr41826

Replacement

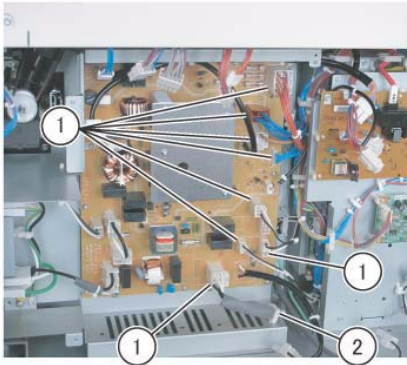
1. To install, carry out the removal steps in reverse order.

REP 18.5.2 (SCC) AC Power Supply Unit**Parts List on PL 18.5****Removal****WARNING**

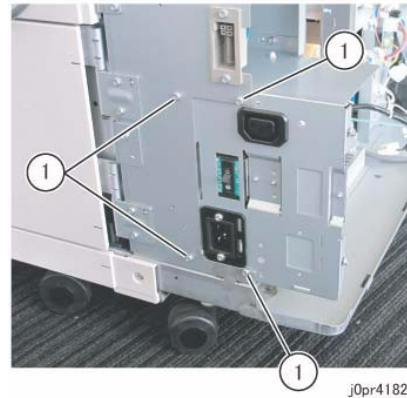
When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Rear Lower Cover. (PL 19.2)
 - Installation screw: x4 at the rear
2. Remove the LVPS Assembly (N10). (REP 18.5.1)
3. Remove the Right Lower Rear Cover. (PL 19.2)
 - Installation screw: x2 at the right
4. Disconnect the connector (x8) from the AC Power Supply Unit. (Figure 1)
 - (1) Disconnect the connector (x8).
 - (2) Release the wire harness from the clamp.



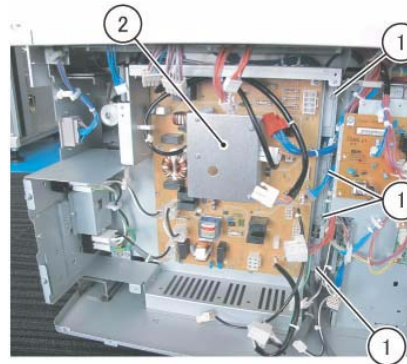
j0pr41827

Figure 1 j0pr41827

j0pr41828

Figure 2 j0pr41828

6. Remove the AC Power Supply Unit. (Figure 3)
 - (1) Loosen the screw (x4).
 - (2) Remove the AC Power Supply Unit.



j0pr41829

Figure 3 j0pr41829**Replacement**

1. To install, carry out the removal steps in reverse order.

5. Remove the screw (x4). (Figure 2)
 - (1) Remove the screw (x4).

REP 35.1.1 Control Unit

Parts List on PL 35.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Always wear a wrist band to protect electrical parts from static damage. If a wrist band is not available, touch some metallic parts before servicing to discharge the static electricity.

1. If the machine has the HCF attached, detach the HCS.
2. Disconnect all cables that are connected to the ESS.
3. Remove the screw (x6) that secure the Control Unit. (Figure 1)
 - (1) Remove the screw (x6).

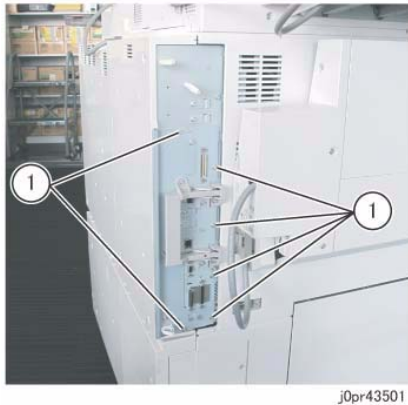


Figure 1 j0pr43501

4. Remove the Control Unit. (Figure 2)
 - (1) Remove the screw.
 - (2) Open the handle.
 - (3) Remove the Control Unit.

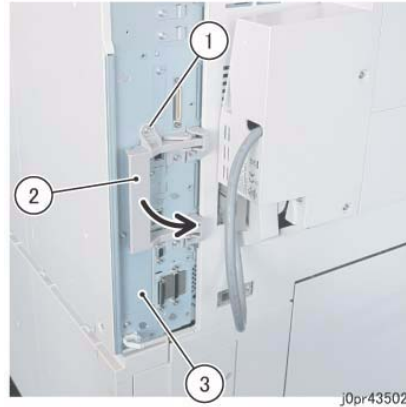


Figure 2 j0pr43502

Replacement

1. To install, carry out the removal steps in reverse order.

REP 35.2.1 (SCC) ESS PWB

Parts List on PL 35.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Always wear a wrist band to protect electrical parts from static damage. If a wrist band is not available, touch some metallic parts before servicing to discharge the static electricity.

CAUTION

The Serial No., Product No. and Billing Counter are held at the following 3 locations respectively. Therefore, when replacing the following parts, do it one-by-one (do not replace several simultaneously).

1. NVM PWB of MCU PWB
2. NVM PWB of ESS PWB
3. SEEP ROM of BP PWB

The IOT displayed on the UI screen represents the MCU PWB, while SYS1 represents the BP PWB, and SYS2 represents the ESS PWB.

1. When replacing the ESS PWB, remove the options and the following parts that are installed on the old ESS PWB and install them onto the new one.
 - J310: HDD
 - HDD Bracket
 - J330: DIMM
 - J331: DIMM
 - P334: NVM PWB

WARNING

Never replace the lithium battery by itself.

NOTE: The lithium battery may produce heat, blow out, or catch fire if the terminal comes in contact with the other metal and short-circuits. If the battery alone is to be collected, be sure to cover the terminal with a adhesive insulating tape, etc.

NOTE: If the lithium battery is attached on the PWB or other part, put it in the packing materials (bag or box) for the part to be replaced for collection.

Reference: The NVM PWB and its cover are treated as one spare parts. (PL 35.1 Item 27)

CAUTION

Do not remove the lithium battery of the NVM PWB from its socket (to prevent the Data from getting erased).

- When replacing the ESS PWB, the Error 003-318 will be displayed and the Scan feature might become disabled if the IISS-ROM version of the ESS PWB and the IISS-ROM version of the Artemis PWB Assembly do not match. Therefore, make sure that you upgrade the Firmware to the latest version after each replacement.

REP 35.2.2 (SCC) Artemis PWB Assembly

Parts List on PL 35.2

Removal**WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Always wear a wrist band to protect electrical parts from static damage. If a wrist band is not available, touch some metallic parts before servicing to discharge the static electricity.

CAUTION

Do not get yourself hurt by a soldered portion on the back of the PWB.

- Disconnect all cables that are connected to the Control part at the left of the machine.
- Remove the Control Unit. (REP 35.1.1)

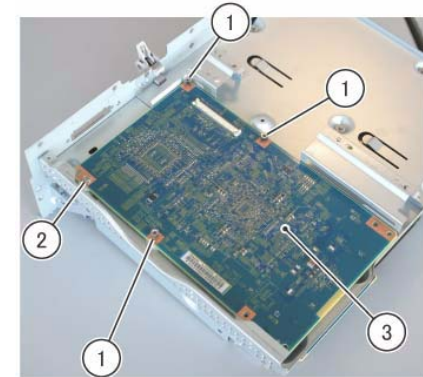
NOTE: When removing the Artemis PWB Assembly for the purpose of replacement, use the spare parts box of the Artemis PWB Assembly as a platform, place the Control Unit as shown in the figure, and then perform the Artemis PWB Assembly replacement. (You do not have to remove the HDD Assembly.) (Figure 1)



j0hk43501

Figure 1 j0hk43501

- Remove the 1P DUP PWB. (REP 35.2.3)
- Remove the Artemis PWB Assembly. (Figure 2)
 - Remove the spacer (x3).
 - Remove the screw.
 - Remove the Artemis PWB Assembly.



j0mh43503

Figure 2 j0mh43503

Replacement

- To install, carry out the removal steps in reverse order.
- When replacing the Artemis PWB Assembly, the Error 003-318 will be displayed and the Scan feature might become disabled if the IISS-ROM version of the ESS PWB and the IISS-ROM version of the Artemis PWB Assembly do not match. Therefore, make sure that you upgrade the Firmware to the latest version after each replacement.

REP 35.2.3 (SCC) 1P DUP PWB

Parts List on PL 35.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Always wear a wrist band to protect electrical parts from static damage. If a wrist band is not available, touch some metallic parts before servicing to discharge the static electricity.

CAUTION

Do not get yourself hurt by a soldered portion on the back of the PWB.

1. Disconnect all cables that are connected to the Control part at the left of the machine.
2. Remove the Control Unit. (REP 35.1.1)

NOTE: When removing the 1P DUP PWB for the purpose of replacement, use the spare parts box of the 1P DUP PWB as a platform, place the Control Unit as shown in the figure, and then perform the 1P DUP PWB replacement. (You do not have to remove the HDD Assembly (skip Step 3).) (Figure 1)



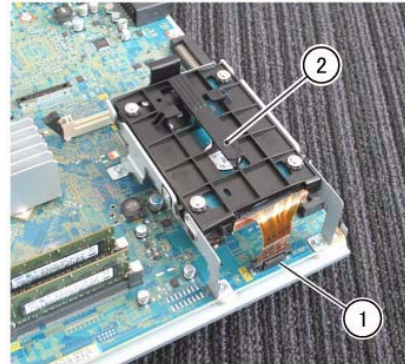
j0hk43501

Figure 1 j0hk43501

3. Remove the HDD Assembly. (Figure 2)

NOTE: As removing the 1P DUP PWB for purposes other than replacement will put a burden on the HDD Assembly Cable at the back, the HDD Assembly has to be removed also.

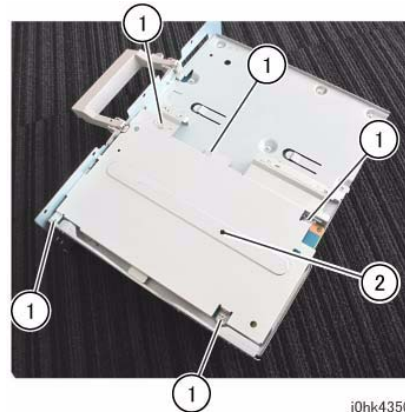
- (1) Disconnect the connector.
- (2) Remove the HDD Assembly.



j0hk43502

Figure 2 j0hk43502

4. Remove the cover. (Figure 3)
 - (1) Remove the screw (x5).
 - (2) Remove the cover.

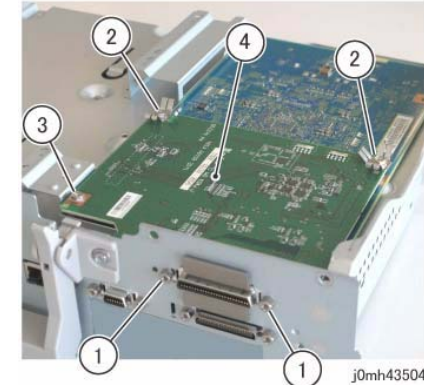


j0hk43503

Figure 3 j0hk43503

5. Remove the 1P DUP PWB. (Figure 4)

- (1) Remove the Stud Screw (x2).
- (2) Remove the screw (x2) and the conductor (x2).
- (3) Remove the screw.
- (4) Remove the 1P DUP PWB.



j0mh43504

Figure 4 j0mh43504

Replacement

1. To install, carry out the removal steps in reverse order.

REP 37.1.1 Detaching the I/F Module

Parts List on PL 37.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the HCS. (REP 39.1.1)
2. Disconnect each connector.
3. Detach the I/F Module from the IOT. (Figure 1)
 - (1) Open the Door.
 - (2) Remove the screw and pull the Lever in the direction of the arrow.
 - (3) Detach the I/F Module.

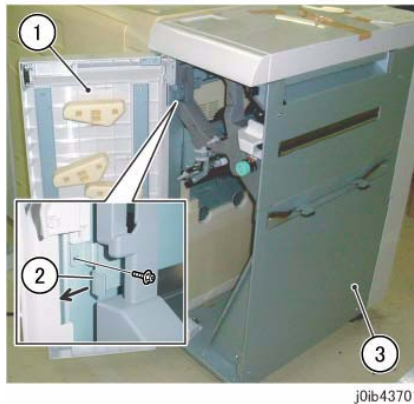


Figure 1 j0ib43701

REP 37.1.2 Inner Cover

Parts List on PL 37.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the I/F Module. (REP 37.1.1)
2. Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 37.1)
3. Remove the Lever Cover. (PL 37.1)
4. Remove the Top Cover. (Figure 1)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x2).
 - (3) Remove the Top Cover.

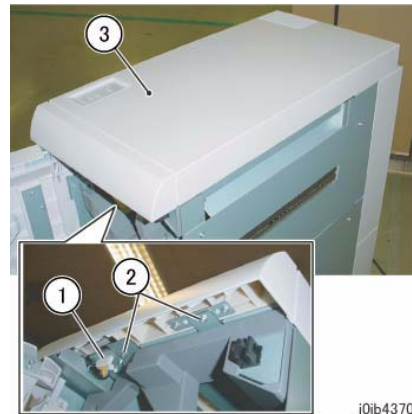


Figure 1 j0ib43702

5. Remove the Inner Cover. (Figure 2)
 - (1) Remove the screw (x5).
 - (2) While separating each Guide from the Magnet, remove the Inner Cover.

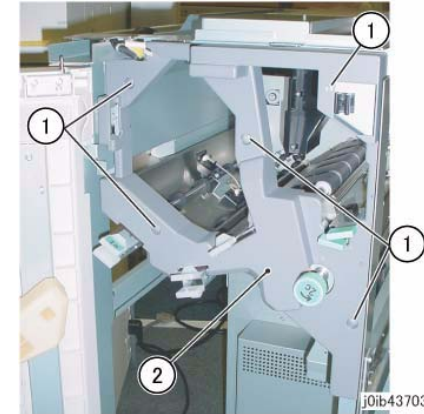


Figure 2 j0ib43703

Replacement

1. To install, carry out the removal steps in reverse order.

REP 37.2.1 IFM Front Door Interlock Switch

Parts List on PL 37.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 37.1.2)
2. Remove the IFM Front Door Interlock Switch Assembly. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the IFM Front Door Interlock Switch Assembly.

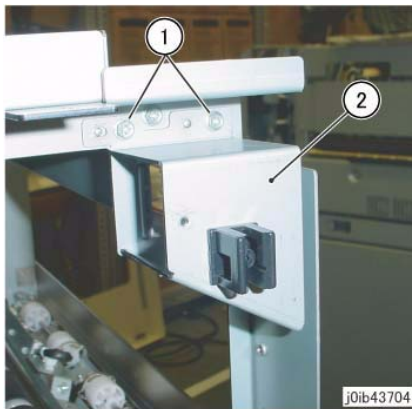


Figure 1 j0ib43704

3. Remove the Push Clamp and release the Wire Harness. (Figure 2)
 - (1) Remove the Push Clamp.

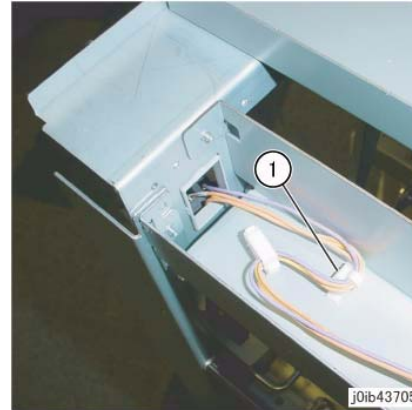


Figure 2 j0ib43705

4. Disconnect the connector. (Figure 3)
 - (1) Disconnect the connector.

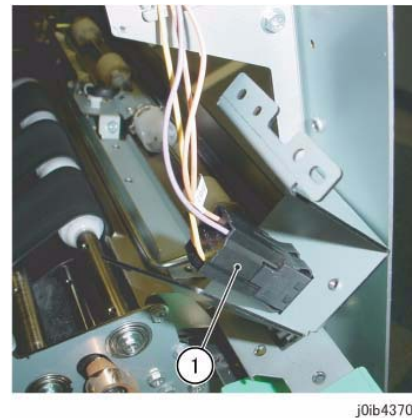


Figure 3 j0ib43706

5. Remove the IFM Front Door Interlock Switch from the bracket. (Figure 4)
 - (1) Remove the IFM Front Door Interlock Switch.

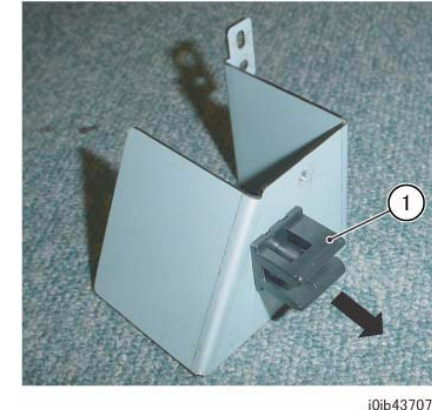


Figure 4 j0ib43707

Replacement

1. To install, carry out the removal steps in reverse order.

REP 37.2.2 (SCC) IFM PWB

Parts List on PL 37.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the I/F Module. (REP 37.1.1)
2. Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 37.1)
3. Remove the Rear Lower Cover. (PL 37.1)
4. Remove the Rear Right Cover. (PL 37.1)
5. Open the IOT-IFM PWB Communication. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Open the IOT-IFM PWB Communication.

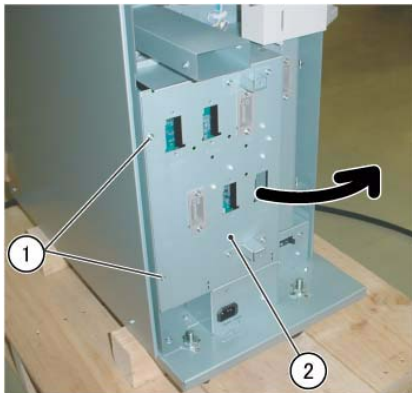


Figure 1 j0ib43708

6. Remove the IFM PWB. (Figure 2)
 - (1) Disconnect all connector (x14).
 - (2) Remove the screw (x4).
 - (3) Remove the IFM PWB.

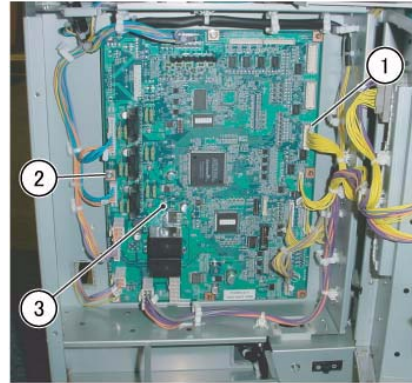


Figure 2 j0ib43709

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, remove the SEEP ROM from the old IFM PWB and install it onto the new one. (Figure 3)
 - (A) SEEP ROM



Figure 3 j0ib43710

REP 37.3.1 Decurler Motor Belt

Parts List on PL 37.3

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the I/F Module. (REP 37.1.1)
2. Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 37.1)
3. Remove the Rear Lower Cover. (PL 37.1)
4. Remove the Rear Right Cover. (PL 37.1)
5. Remove the Rear Left Cover. (PL 37.1)
6. Remove the Decurler Belt Motor Assembly. (Figure 1)
 - (1) Disconnect the connector (x2).
 - (2) Remove the screw (x4).
 - (3) Remove the Decurler Belt Motor Assembly.

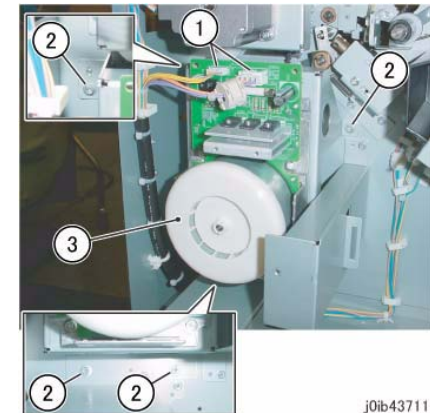


Figure 1 j0ib43711

7. Remove the Decurler Motor Belt. (Figure 2)
 - (1) Remove the Decurler Motor Belt.



Figure 2 j0ib43712

Replacement

- To install, carry out the removal steps in reverse order.

REP 37.3.2 Exit Motor Belt**Parts List on PL 37.3****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

- Detach the I/F Module. (REP 37.1.1)
- Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 37.1)
- Remove the Rear Lower Cover. (PL 37.1)
- Remove the Rear Right Cover. (PL 37.1)
- Remove the Top Cover. (Figure 1)
 - Disconnect the connector.
 - Remove the screw (x2).
 - Remove the Top Cover.



Figure 1 j0ib43702

- Remove the Fan 5 Assembly. (Figure 2)
 - Release the clamp (x2) from the wire.
 - Disconnect the connector.
 - Remove the screw (x2).

- Remove the Fan 5 Assembly.

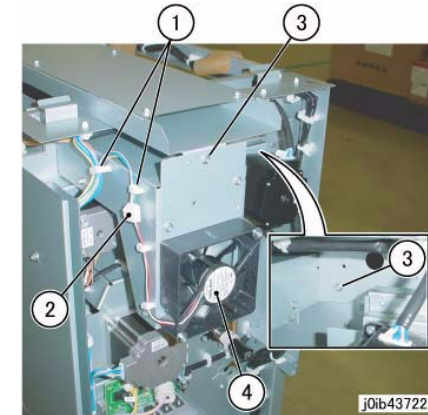


Figure 2 j0ib43722

- Remove the Exit Motor Belt. (Figure 3)
 - Disconnect the connector.
 - Remove the screw (x3).
 - Remove the Exit Motor Assembly.
 - Remove the Exit Motor Belt.

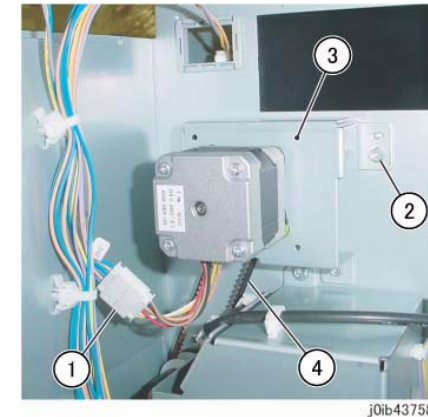


Figure 3 j0ib43758

Replacement

- To install, carry out the removal steps in reverse order.

REP 37.4.1 Trans Roll Assembly

Parts List on PL 37.4

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 37.1.2)
2. Remove the Rear Lower Cover. (PL 37.1)
3. Remove the Rear Right Cover. (PL 37.1)
4. Remove the Rear Left Cover. (PL 37.1)
5. Remove the IFM Transport/Decurler In Sensor Assembly. (Figure 1)
 - (1) Remove the screw.
 - (2) Remove the Decurler In Sensor Assembly.

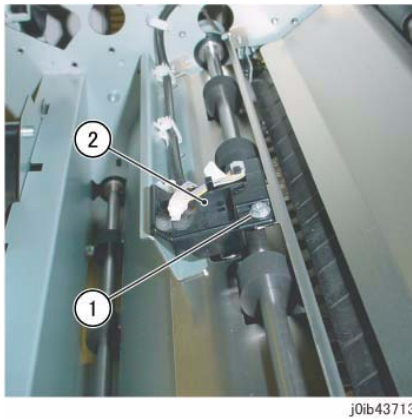


Figure 1 j0ib43713

6. Remove the Bearing at the front. (Figure 2)
 - (1) Remove the screw (x2) that hold the shaft by using a spanner.
 - (2) Remove the Bearing (x2).

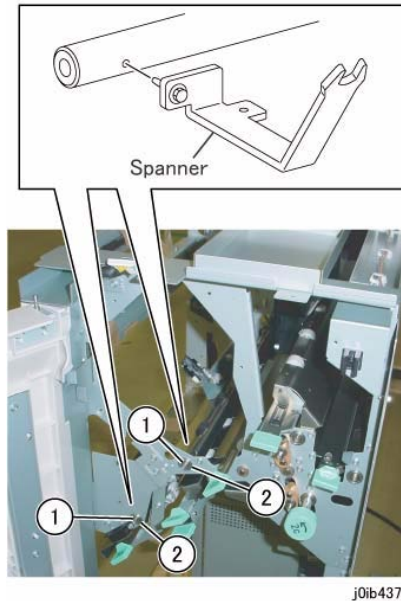


Figure 2 j0ib43714

7. Remove the screw at the front. (Figure 3)
 - (1) Remove the screw (x2).

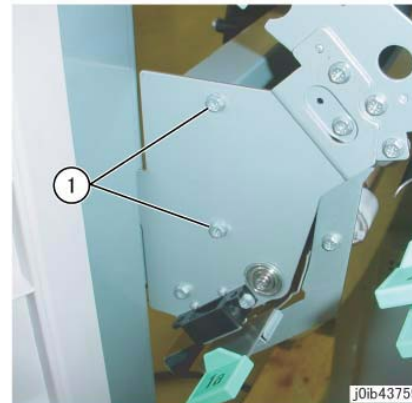


Figure 3 j0ib43759

8. Remove the screw at the rear. (Figure 4)
 - (1) Remove the screw (x2).

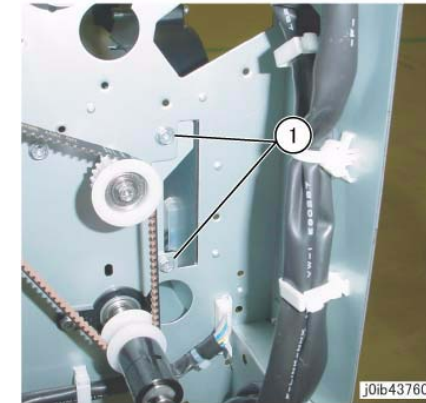


Figure 4 j0ib43760

9. Remove the Fan Assembly. (Figure 5)
 - (1) Disconnect the connector.
 - (2) Remove the Fan Assembly.

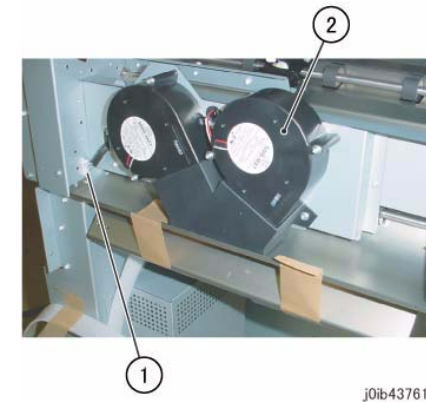


Figure 5 j0ib43761

10. Remove the Trans Roll Assembly. (Figure 6)
 - (1) Remove the screw (x2).
 - (2) Remove the Feed Belt.
 - (3) Remove the Trans Belt.
 - (4) Remove the Trans Roll Assembly (x2).

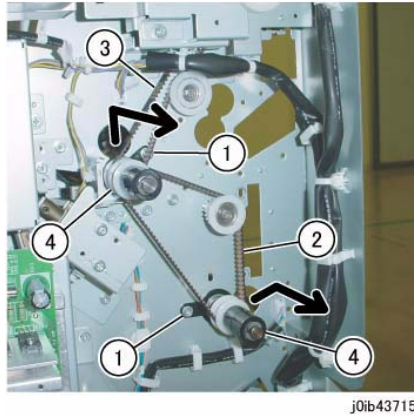


Figure 6 j0ib43715

Replacement

- To install, carry out the removal steps in reverse order.

REP 37.4.2 Exit Roll Assembly**Parts List on PL 37.4****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

- Remove the Inner Cover. (REP 37.1.2)
- Remove the Rear Lower Cover. (PL 37.1)
- Remove the Rear Right Cover. (PL 37.1)
- Remove the Right Upper Cover. (PL 37.2)
- Remove the Bearing at the front. (Figure 1)
 - Remove the screw.
 - Remove the Bearing.

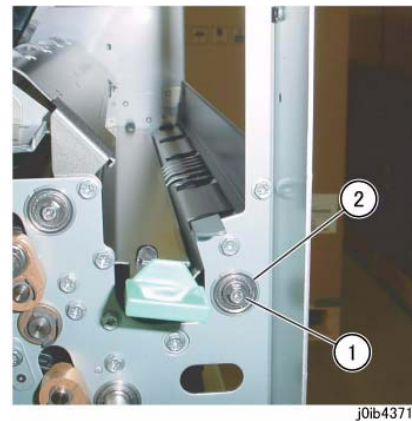


Figure 1 j0ib43716

- Remove the Exit Roll Assembly. (Figure 2)
 - Remove the screw.
 - Remove the Exit Motor Belt.
 - Remove the Exit Roll Assembly.

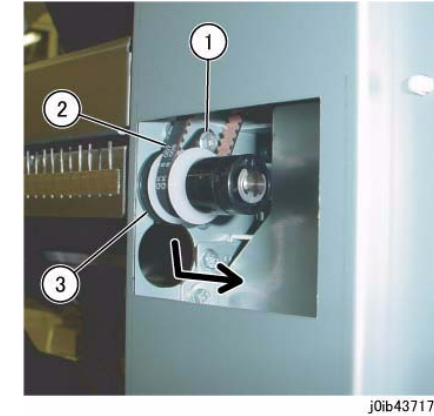


Figure 2 j0ib43717

Replacement

- To install, carry out the removal steps in reverse order.

REP 37.4.3 Feed/Entrans Belt

Parts List on PL 37.4

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the I/F Module. (REP 37.1.1)
2. Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 37.1)
3. Remove the Rear Lower Cover. (PL 37.1)
4. Remove the Rear Right Cover. (PL 37.1)
5. Remove the Rear Left Cover. (PL 37.1)
6. Remove the Duct Assembly. (PL 37.2)
7. Remove the IFM Transport Motor Assembly. (Figure 1)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x2).
 - (3) Remove the IFM Transport Motor Assembly.

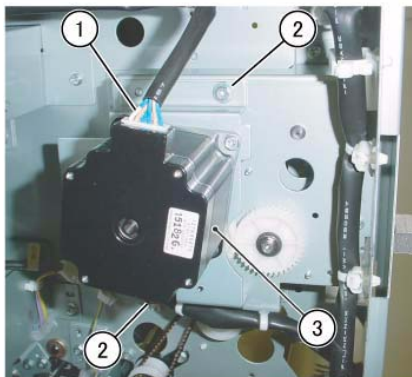


Figure 1 j0ib43718

8. Remove the Entrans Belt. (Figure 2)
 - (1) Remove the screw.

- (2) Remove the Pulley.
- (3) Remove the Entrans Belt.

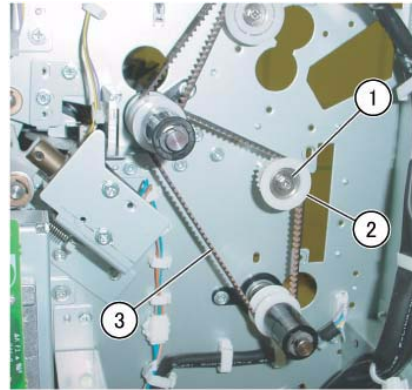


Figure 2 j0ib43719

9. Remove the Feed Belt. (Figure 3)
 - (1) Remove the screw.
 - (2) Remove the Pulley.
 - (3) Remove the Feed Belt.

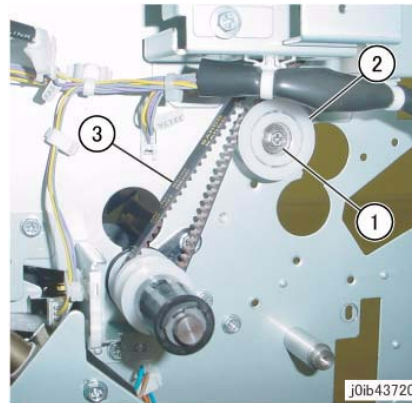


Figure 3 j0ib43720

Replacement

1. To install, carry out the removal steps in reverse order.
2. Install the Feed/Entrans Belt as shown in the figure. (Figure 4)

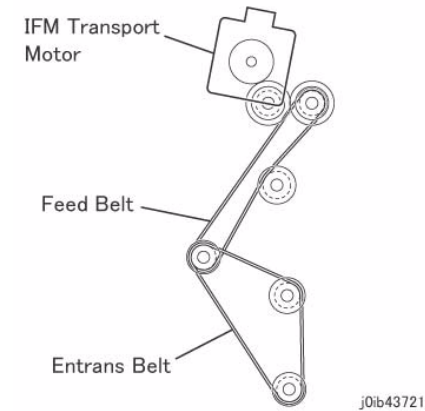


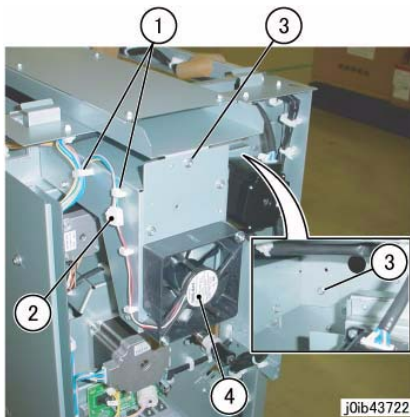
Figure 4 j0ib43721

REP 37.5.1 Decurler Belt Upper/Lower**Parts List on PL 37.5****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

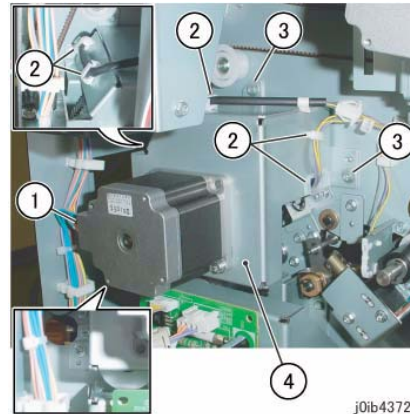
Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 37.1.2)
2. Remove the Rear Lower Cover. (PL 37.1)
3. Remove the Rear Right Cover. (PL 37.1)
4. Remove the Rear Left Cover. (PL 37.1)
5. Remove the Right Upper Cover. (PL 37.2)
6. Remove the Fan 5 Assembly. (Figure 1)
 - (1) Release the clamp (x2) from the wire.
 - (2) Disconnect the connector.
 - (3) Remove the screw (x2).
 - (4) Remove the Fan 5 Assembly.

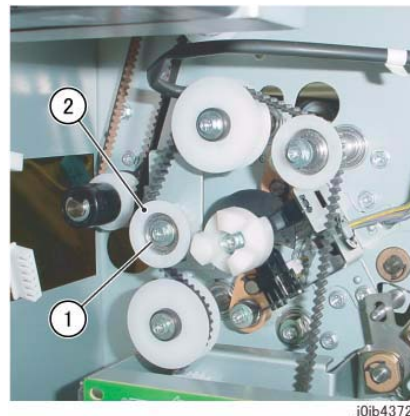
**Figure 1 j0ib43722**

7. Remove the Decurler Cam Motor Assembly. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Release the clamp (x5) from the wire.

- (3) Remove the screw (x3).
- (4) Remove the Decurler Cam Motor Assembly.

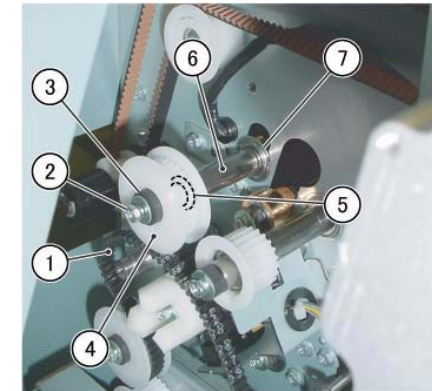
**Figure 2 j0ib43723**

8. Remove the Pulley. (Figure 3)
 - (1) Remove the screw.
 - (2) Remove the Pulley.

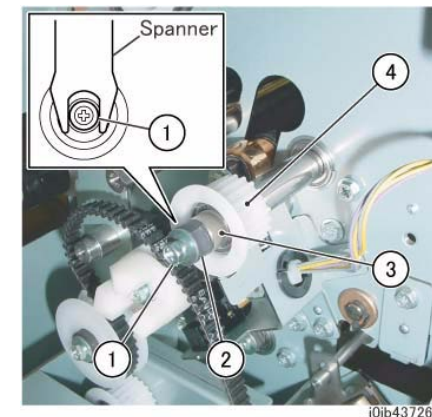
**Figure 3 j0ib43724**

9. Remove the Bearing at the rear upper side. (Figure 4)
 - (1) Remove the Belt.
 - (2) Remove the screw.
 - (3) Remove the spacer.
 - (4) Remove the Pulley.

- (5) Remove the spacer.
- (6) Remove the collar.
- (7) Remove the Bearing.

**Figure 4 j0ib43725**

10. Remove the Pulley at the rear upper side. (Figure 5)
 - (1) Remove the screw that holds the spacer by using a spanner.
 - (2) Remove the spacer.
 - (3) Remove the collar (small).
 - (4) Remove the Pulley.

**Figure 5 j0ib43726**

11. Remove the Bearing at the rear upper side. (Figure 6)

- (1) Remove the collar (large).
- (2) Remove the collar (small).
- (3) Remove the Bearing.

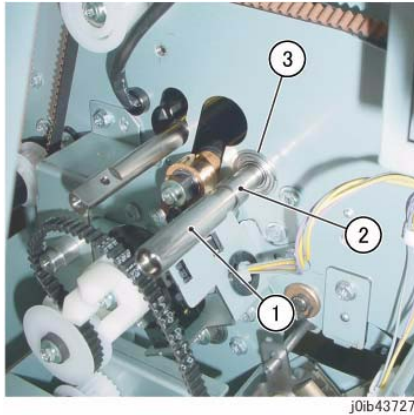


Figure 6 j0ib43727

12. Remove the Idle Roller. (Figure 7)
- (1) Remove the Idle Roller.



Figure 7 j0ib43728

13. Remove the Bearing at the front upper side. (Figure 8)
- (1) Remove the screw that holds the shaft by using a spanner.
- (2) Remove the Bearing.

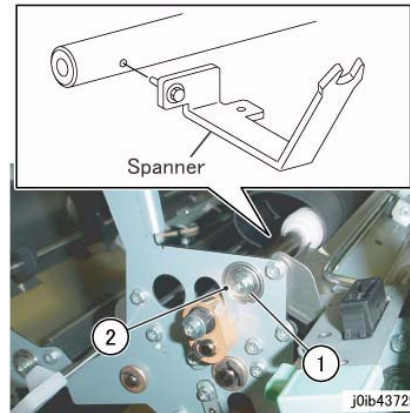


Figure 8 j0ib43729

14. Remove the Decurler Belt Upper. (Figure 9)
- (1) Remove the Decurler Belt Roller.
- (2) Remove the Decurler Belt Upper (x5).

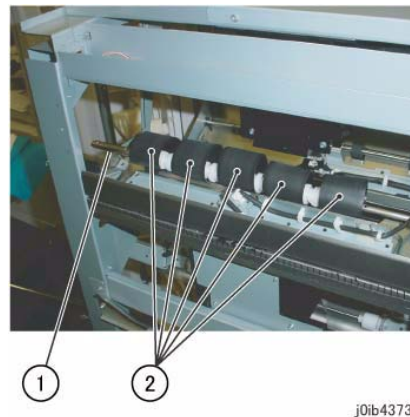


Figure 9 j0ib43730

15. Remove the Pulley at the rear lower side. (Figure 10)
- (1) Remove the belt.
- (2) Remove the screw.
- (3) Remove the spacer.
- (4) Remove the Pulley.

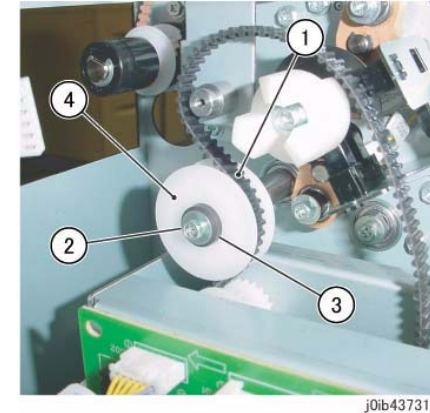


Figure 10 j0ib43731

16. Remove the Bearing at the rear lower side. (Figure 11)
- (1) Remove the spacer.
- (2) Remove the collar.
- (3) Remove the Bearing.

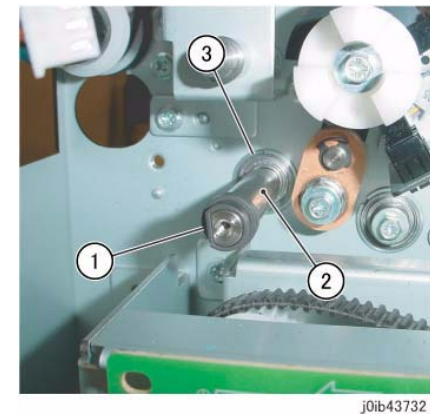


Figure 11 j0ib43732

17. Remove the Bearing at the rear lower side. (Figure 12)
- (1) Remove the screw that holds the spacer by using a spanner.
- (2) Remove the spacer.
- (3) Remove the Bearing.

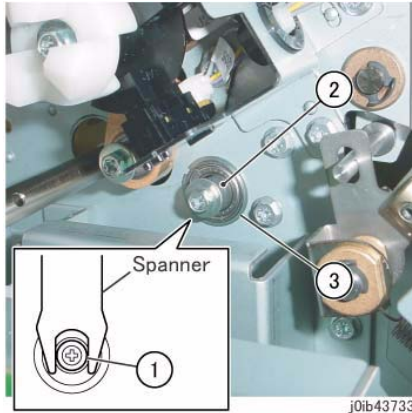


Figure 12 j0ib43733

18. Remove the Idle Roller. (Figure 13)
- (1) Remove the Idle Roller.

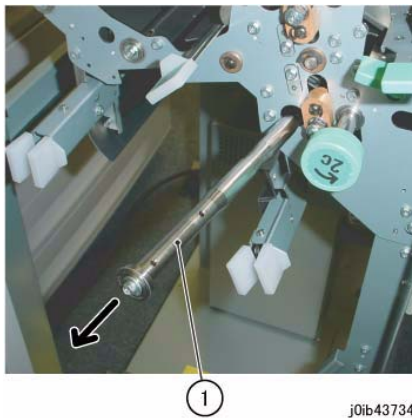


Figure 13 j0ib43734

19. Remove the knob. (PL 37.5)
20. Remove the Bearing at the front lower side. (Figure 14)
- (1) Remove the screw.
- (2) Remove the spacer.
- (3) Remove the collar.
- (4) Remove the Bearing.

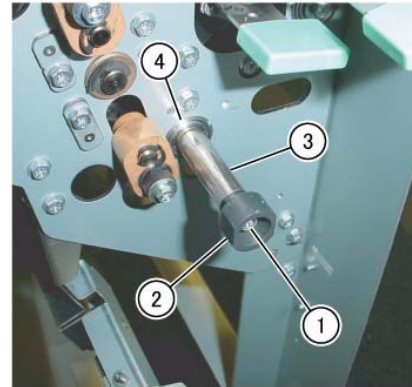


Figure 14 j0ib43735

21. Remove the Decurler Belt Lower. (Figure 15)
- (1) Remove the Decurler Belt Roller.
- (2) Remove the Decurler Belt Lower (x5).

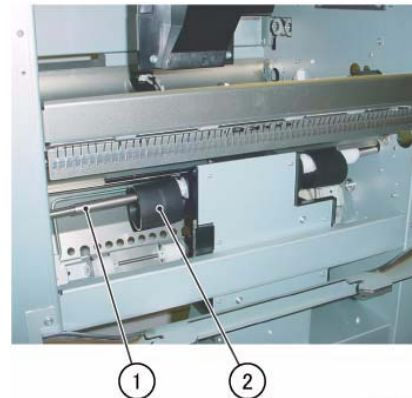


Figure 15 j0ib43736

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, enter Diag Mode and clear the [DC135 HFSI] counter.
"Chain-Link: 959-800"

REP 37.5.2 Decurler Drive Belt

Parts List on PL 37.5

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the I/F Module. (REP 37.1.1)
2. Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 37.1)
3. Remove the Rear Lower Cover. (PL 37.1)
4. Remove the Rear Right Cover. (PL 37.1)
5. Remove the Rear Left Cover. (PL 37.1)
6. Remove the Decurler Cam Motor Assembly. (Figure 1)
- (1) Disconnect the connector.
- (2) Release the clamp (x2) from the wire.
- (3) Remove the screw (x3).
- (4) Remove the Decurler Cam Motor Assembly.

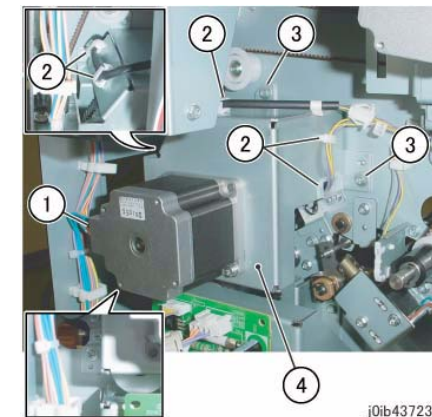


Figure 1 j0ib43723

7. Remove the Decurler Drive Belt. (Figure 2)
- (1) Remove the screw.

- (2) Remove the Pulley.
- (3) Remove the Decurler Drive Belt.

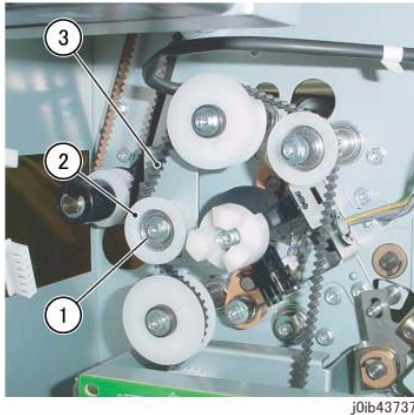


Figure 2 j0ib43737

Replacement

1. To install, carry out the removal steps in reverse order.
2. Install the Decurler Drive Belt as shown in the figure. (Figure 3)

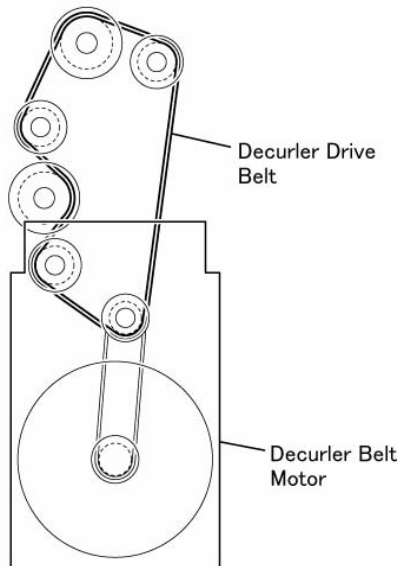


Figure 3 j0ib43738

REP 37.6.1 Inlet Chute Upper/Lower

Parts List on PL 37.6

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Decurler Belt Upper/Lower. (REP 37.5.1)
2. Remove the block at the front upper side. (Figure 1)
 - (1) Remove the screw.
 - (2) Remove the spacer.
 - (3) Remove the Bearing.
 - (4) Remove the KL-Clip.
 - (5) Remove the block.

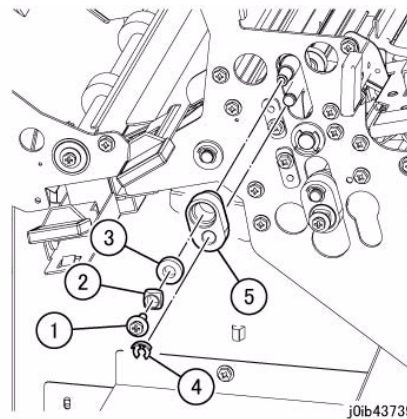


Figure 1 j0ib43739

3. Remove the Bearing at the rear upper side. (Figure 2)
 - (1) Remove the screw.
 - (2) Remove the spacer.
 - (3) Remove the Bearing.

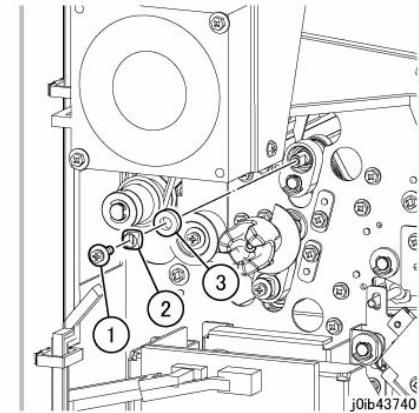


Figure 2 j0ib43740

4. Remove the pin at the front upper side. (PL 37.6)
5. Remove the Decurler Cam Position Sensor Assembly. (Figure 3)
 - (1) Remove the screw (x2).
 - (2) Remove the Decurler Cam Position Sensor Assembly.

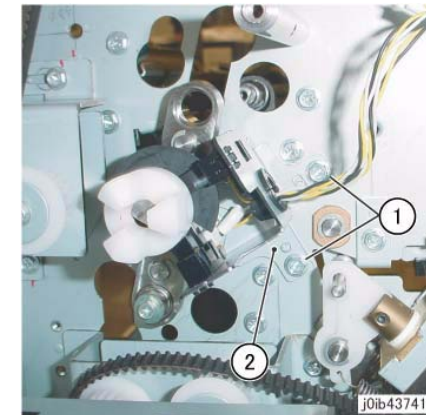
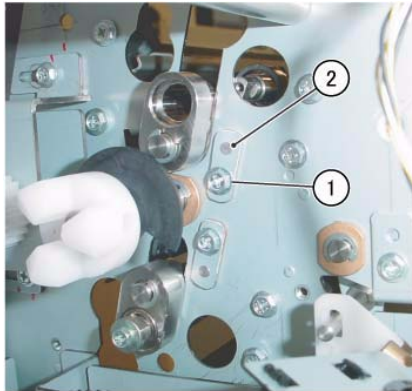


Figure 3 j0ib43741

6. Remove the pin at the rear upper side. (Figure 4)
 - (1) Remove the screw.
 - (2) Remove the Pin.



j0ib43742

Figure 4 j0ib43742

7. Remove the Inlet Chute Upper. (Figure 5)
 - (1) Remove the Inlet Chute Upper.



j0ib43743

Figure 5 j0ib43743

8. Perform the same procedure as the Inlet Chute Upper on the Inlet Chute Lower.

Replacement

1. To install, carry out the removal steps in reverse order.

REP 37.6.2 Cam Shaft

Parts List on PL 37.6

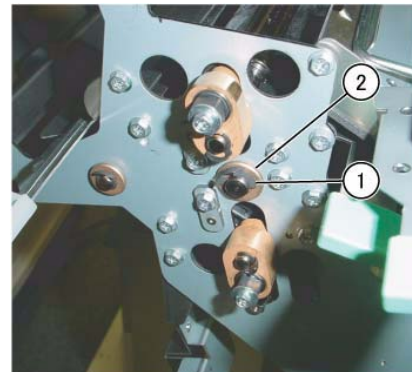
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

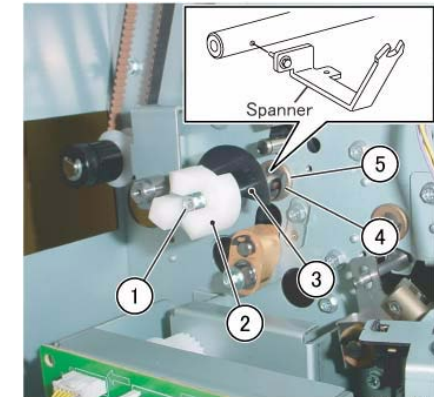
1. Remove the Inlet Chute Upper Assembly. (REP 37.6.1)
2. Remove the Bearing at the front. (Figure 1)
 - (1) Remove the KL-Clip.
 - (2) Remove the Bearing.



j0ib43744

Figure 1 j0ib43744

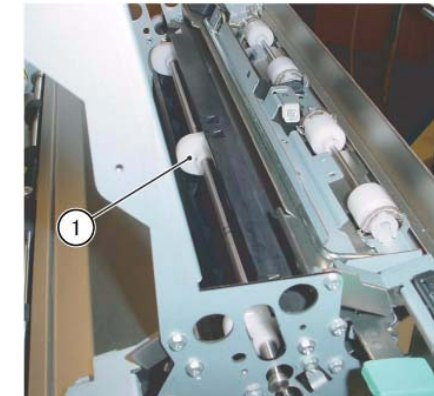
3. Remove the Bearing at the rear. (Figure 2)
 - (1) Remove the screw that holds the shaft by using a spanner.
 - (2) Remove the joint.
 - (3) Remove the Actuator.
 - (4) Remove the KL-Clip.
 - (5) Remove the Bearing.



j0ib43745

Figure 2 j0ib43745

4. Remove the Cam Shaft. (Figure 3)
 - (1) Remove the Cam Shaft.



j0ib43746

Figure 3 j0ib43746

Replacement

1. To install, carry out the removal steps in reverse order.

REP 37.7.1 Gate Assembly

Parts List on PL 37.7

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 37.1.2)
2. Remove the Rear Lower Cover. (PL 37.1)
3. Remove the Rear Left Cover. (PL 37.1)
4. Remove the Rear Right Cover. (PL 37.1)
5. Remove the Guide Assembly MID-U. (Figure 1)
 - (1) Remove the screw.
 - (2) Remove the Guide Assembly MID-U.

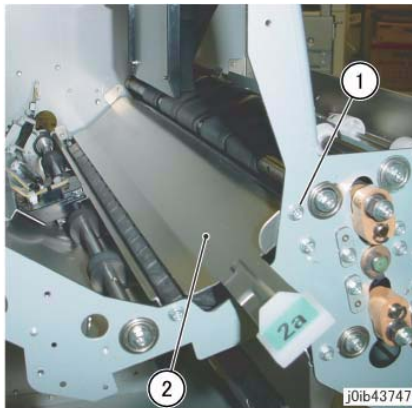


Figure 1 j0ib43747

6. Remove the Bearing at the front. (Figure 2)
 - (1) Remove the KL-Clip.
 - (2) Remove the Bearing.

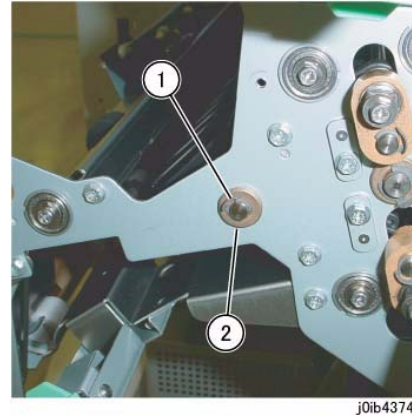


Figure 2 j0ib43748

7. Remove the Bearing at the rear. (Figure 3)
 - (1) Remove the KL-Clip.
 - (2) Remove the Bearing.

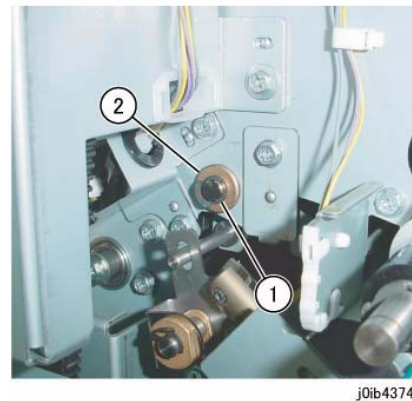


Figure 3 j0ib43749

8. Remove the Gate Assembly. (Figure 4)
 - (1) While lifting it in the direction of the arrow, remove the Gate Assembly.

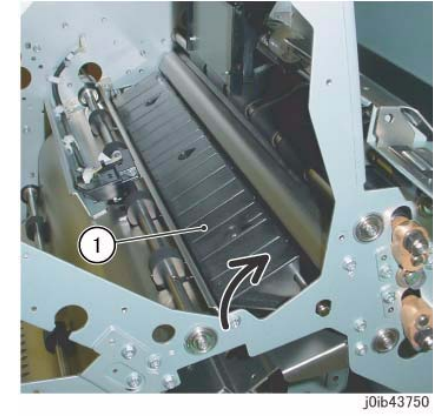


Figure 4 j0ib43750

Replacement

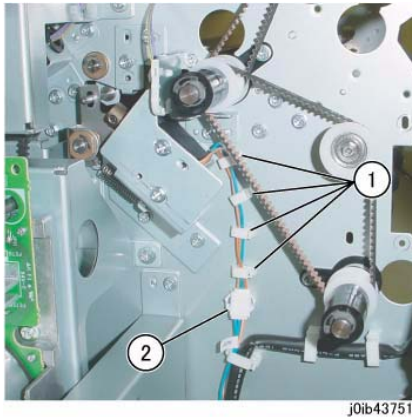
1. To install, carry out the removal steps in reverse order.

REP 37.7.2 Decurler Gate Sensor**Parts List on PL 37.7****Removal****WARNING**

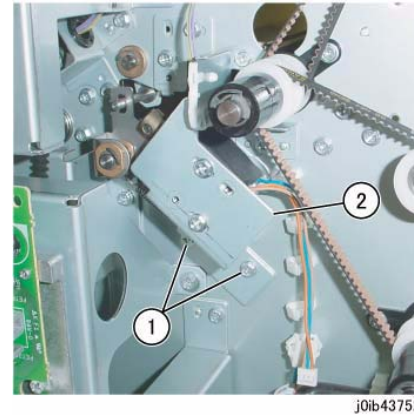
When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Rear Lower Cover. (PL 37.1)
2. Remove the Rear Left Cover. (PL 37.1)
3. Remove the Rear Right Cover. (PL 37.1)
4. Disconnect the connector. (Figure 1)
 - (1) Release the wire from the clamp (x4).
 - (2) Disconnect the connector.

**Figure 1 j0ib43751**

5. Remove the Decurler Gate Solenoid Assembly. (Figure 2)
 - (1) Remove the screw (x2).
 - (2) Remove the Decurler Gate Solenoid Assembly.

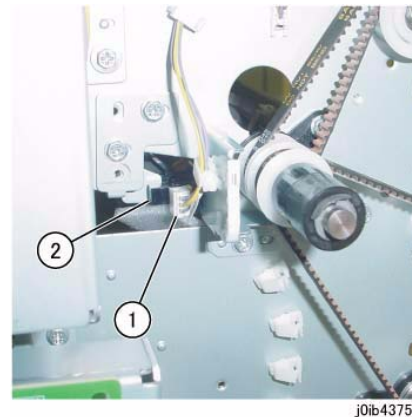
**Figure 2 j0ib43752**

6. Remove the Decurler Gate Sensor. (Figure 3)

CAUTION

Remove the Decurler Gate Solenoid Assembly from the Frame before disconnecting or connecting the Decurler Gate Sensor (PL 37.7) connector. Else the edge of the Decurler Gate Solenoid Assembly bracket might get damaged during the procedure.

- (1) Disconnect the connector.
- (2) Remove the Decurler Gate Sensor.

**Figure 3 j0ib43753****Replacement**

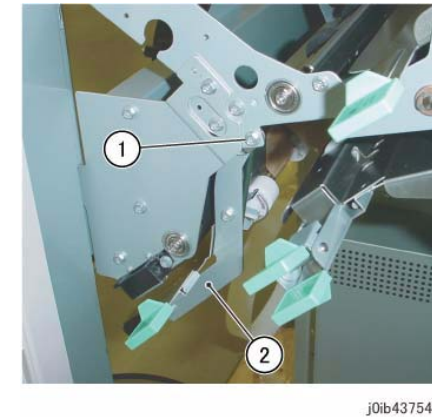
1. To install, carry out the removal steps in reverse order.

**REP 37.8.1 Guide Assembly Low-563/
MID-U/MID-Low****Parts List on PL 37.8****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 37.1.2)
2. Remove the Guide Assembly Low-563. (Figure 1)
 - (1) Remove the screw at the front.
 - (2) Remove the Guide Assembly Low-563.

**Figure 1 j0ib43754**

3. Remove the Guide Assembly MID-U. (Figure 2)
 - (1) Remove the screw at the front.
 - (2) Remove the Guide Assembly MID-U.

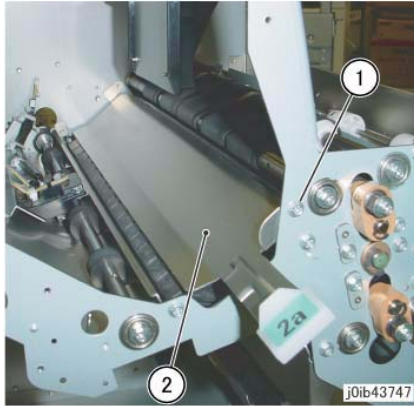


Figure 2 j0ib43747

4. Remove the Guide Assembly MID-Low. (Figure 3)
 - (1) Remove the screw at the front.
 - (2) Remove the Guide Assembly MID-Low.

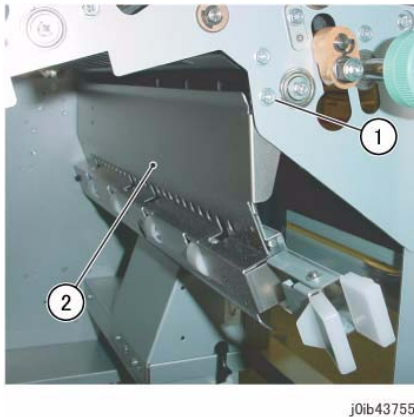


Figure 3 j0ib43755

Replacement

1. To install, carry out the removal steps in reverse order.

REP 37.8.2 Guide Assembly-Exit Up

Parts List on PL 37.8

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 37.1.2)
2. Remove the Rear Lower Cover. (PL 37.1)
3. Remove the Rear Right Cover. (PL 37.1)
4. Remove the Rear Left Cover. (PL 37.1)
5. Disconnect the connector at the rear. (Figure 1)
 - (1) Disconnect the connector.
 - (2) Release the clamp (x3) from the wire.

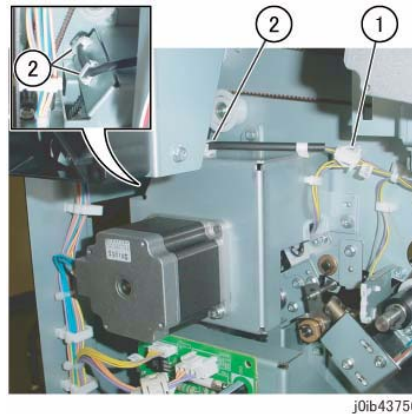


Figure 1 j0ib43756

6. Remove the Guide Assembly-Exit Up. (Figure 2)
 - (1) Remove the screw.
 - (2) Remove the Guide Assembly-Exit Up.

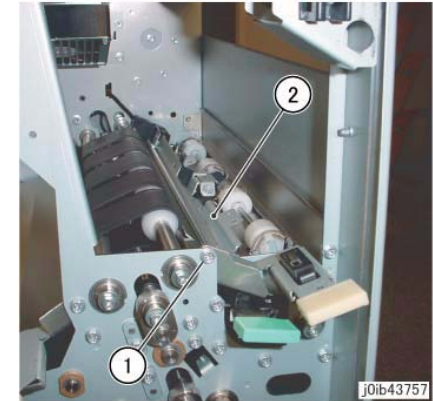


Figure 2 j0ib43757

Replacement

1. To install, carry out the removal steps in reverse order.

REP 38.1.1 Detaching the I/F Cooling Module

Parts List on PL 38.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the HCS. (REP 39.1.1)
2. Disconnect each connector.
3. Detach the I/F Cooling Module from the IOT. (Figure 1)
 - (1) Open the Door.
 - (2) Remove the screw and pull the Lever in the direction of the arrow.
 - (3) Detach the I/F Cooling Module.

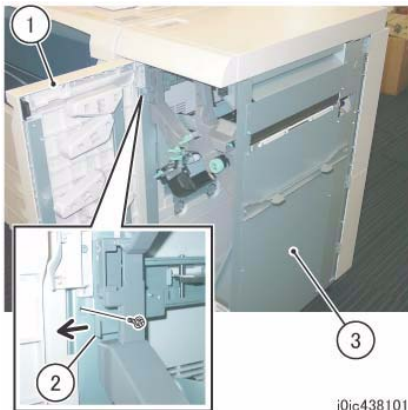


Figure 1 j0ic438101

REP 38.1.2 Inner Cover

Parts List on PL 38.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the I/F Cooling Module. (REP 38.1.1)
2. Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 38.1)
3. Remove the Lever Cover. (PL 38.1)
4. Disconnect the Top Cover connector. (Figure 1)
 - (1) Remove the screw that secure the Top Cover and the Connector Cover.
 - (2) Move the Connector Cover.
 - (3) Disconnect the connector.

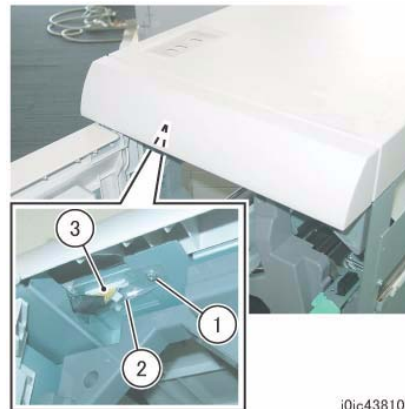
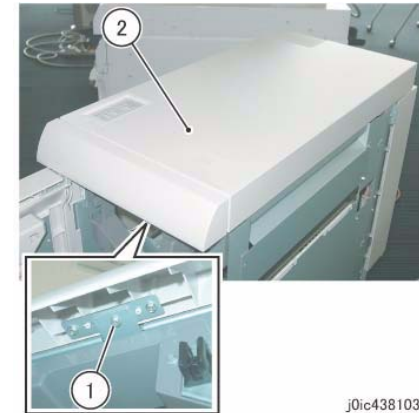


Figure 1 j0ic438102

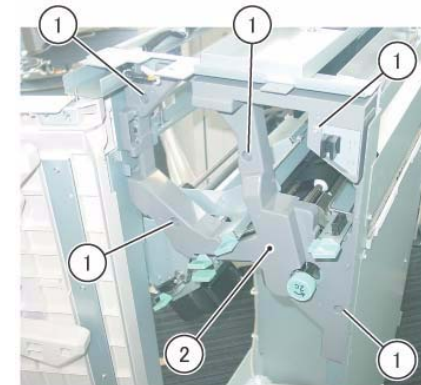
5. Remove the Top Cover. (Figure 2)
 - (1) Remove the screw.
 - (2) Remove the Top Cover.



j0ic438103

Figure 2 j0ic438103

6. Remove the Inner Cover. (Figure 3)
 - (1) Remove the screw (x5).
 - (2) While separating each Guide from the Magnet, remove the Inner Cover.



j0ic438104

Figure 3 j0ic438104

Replacement

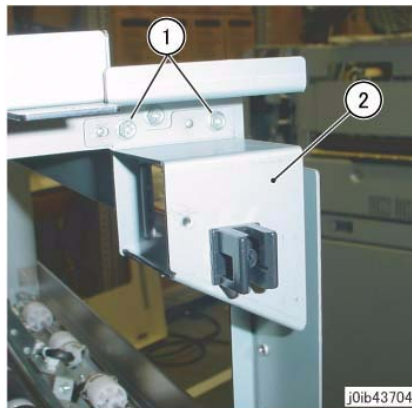
1. To install, carry out the removal steps in reverse order.

REP 38.2.1 ICM Front Door Interlock Switch**Parts List on PL 38.2****Removal****WARNING**

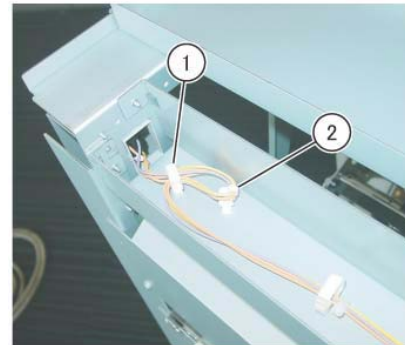
When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 38.1.2)
2. Remove the ICM Front Door Interlock Switch Assembly. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the ICM Front Door Interlock Switch Assembly.

**Figure 1 j0ib43704**

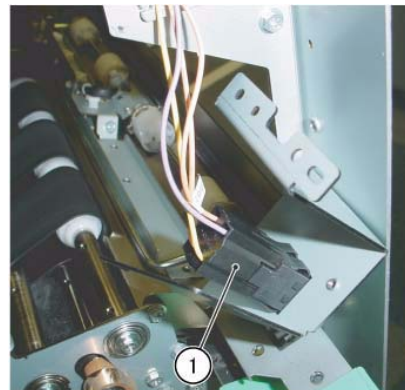
3. Remove the Push Clamp and release the Wire Harness. (Figure 2)
 - (1) Release the wire from the clamp.
 - (2) Remove the Push Clamp.



j0ic438105

Figure 2 j0ic438105

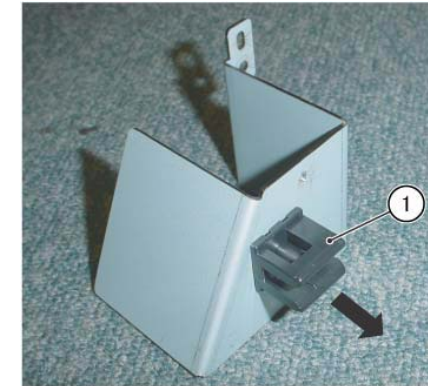
4. Disconnect the connector. (Figure 3)
 - (1) Disconnect the connector.



j0ib43706

Figure 3 j0ib43706

5. Remove the ICM Front Door Interlock Switch from the Bracket. (Figure 4)
 - (1) Remove the ICM Front Door Interlock Switch.



j0ib43707

Figure 4 j0ib43707**Replacement**

1. To install, carry out the removal steps in reverse order.

REP 38.2.2 (SCC) ICM PWB

Parts List on PL 38.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the I/F Cooling Module. (REP 38.1.1)
2. Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 38.1)
3. Remove the Rear Lower Cover. (PL 38.1)
4. Remove the Rear Right Cover. (PL 38.1)
5. Open the IOT-ICM PWB Communication. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Open the IOT-ICM PWB Communication.

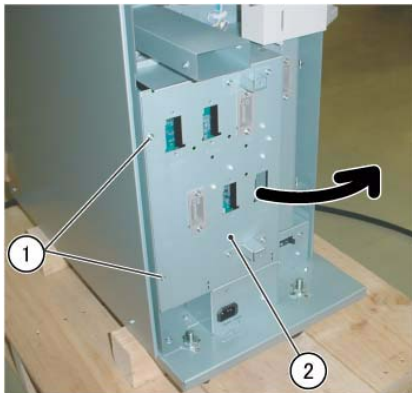


Figure 1 j0ib43708

6. Disconnect the ICM PWB connector. (Figure 2)
 - (1) Disconnect the connector (x16).

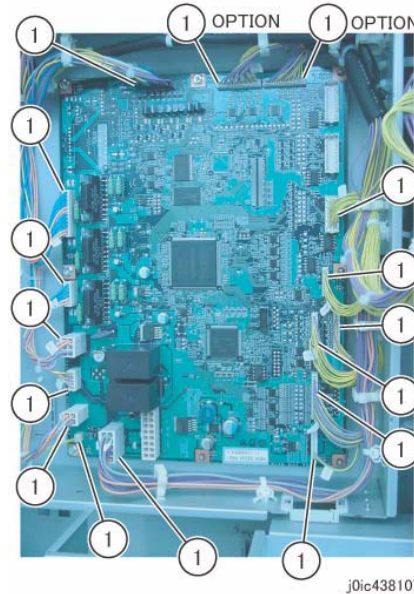


Figure 2 j0ic438107

7. Remove the ICM PWB. (Figure 3)
 - (1) Remove the screw (x4).
 - (2) Release the hook (x4) of the PWB Support and remove the ICM PWB.

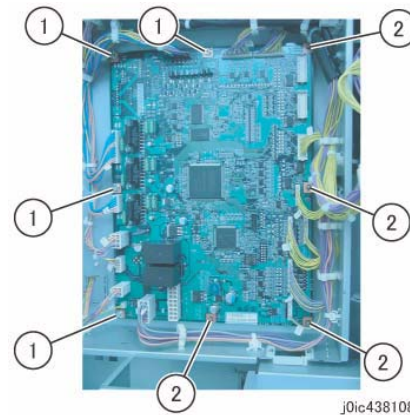


Figure 3 j0ic438108

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, remove the SEEP ROM from the old ICM PWB and install it onto the new one. (Figure 4)
 - (A) SEEP ROM

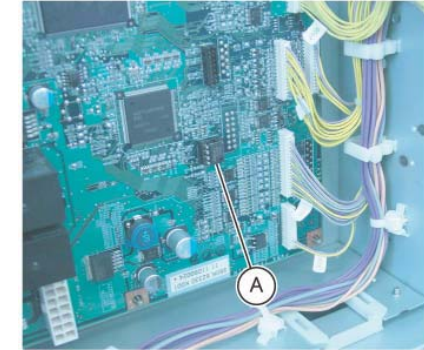


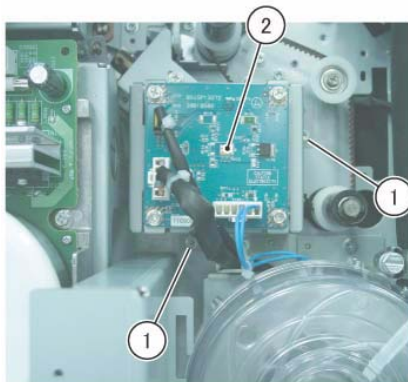
Figure 4 j0ic438109

REP 38.3.1 Decurler Motor Belt**Parts List on PL 38.3****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

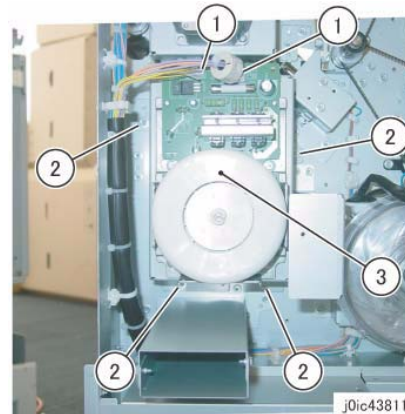
1. Detach the I/F Cooling Module. (REP 38.1.1)
2. Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 38.1)
3. Remove the Rear Lower Cover. (PL 38.1)
4. Remove the Rear Right Cover. (PL 38.1)
5. Remove the Rear Left Cover. (PL 38.1)
6. Move the Fan PWB and Bracket. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Move the Fan PWB and Bracket.



j0ic438110

Figure 1 j0ic438110

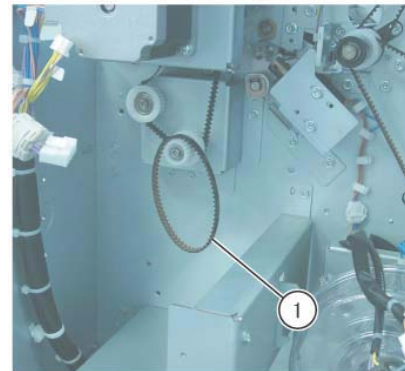
7. Remove the Decurler Belt Motor Assembly. (Figure 2)
 - (1) Disconnect the connector (x2).
 - (2) Remove the screw (x4).
 - (3) Remove the Decurler Belt Motor Assembly.



j0ic438111

Figure 2 j0ic438111

8. Remove the Decurler Motor Belt. (Figure 3)
 - (1) Remove the Decurler Motor Belt.



j0ic438112

Figure 3 j0ic438112**Replacement**

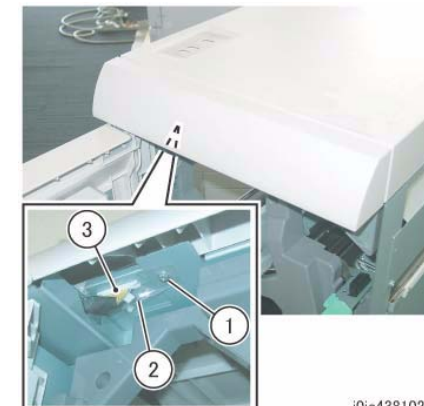
1. To install, carry out the removal steps in reverse order.

REP 38.3.2 Exit Motor Belt**Parts List on PL 38.3****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the I/F Cooling Module. (REP 38.1.1)
2. Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 38.1)
3. Remove the Rear Lower Cover. (PL 38.1)
4. Remove the Rear Right Cover. (PL 38.1)
5. Disconnect the Top Cover connector. (Figure 1)
 - (1) Remove the screw that secure the Top Cover and the Connector Cover.
 - (2) Move the Connector Cover.
 - (3) Disconnect the connector.



j0ic438102

Figure 1 j0ic438102

6. Remove the Top Cover. (Figure 2)
 - (1) Remove the screw.
 - (2) Remove the Top Cover.

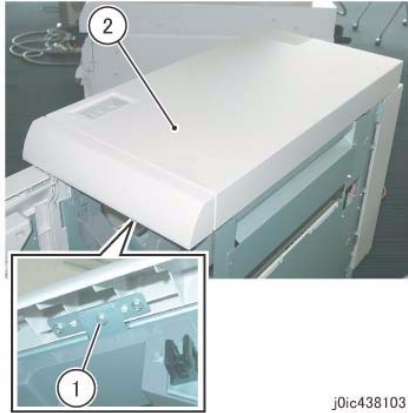


Figure 2 j0ic438103

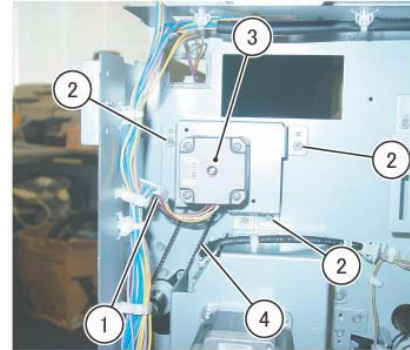


Figure 4 j0ic438114

7. Remove the Fan 5 Assembly. (Figure 3)
 - (1) Release the clamp (x2) from the wire.
 - (2) Disconnect the connector.
 - (3) Remove the screw (x2).
 - (4) Remove the Fan 5 Assembly.

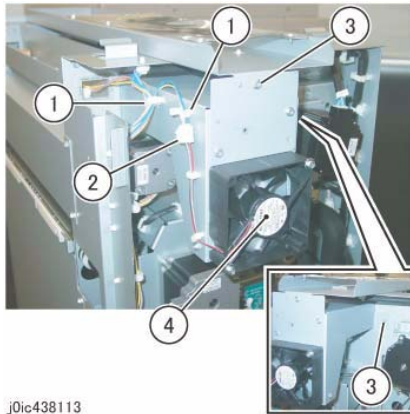


Figure 3 j0ic438113

8. Remove the Exit Motor Belt. (Figure 4)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x3).
 - (3) Remove the Exit Motor Assembly.
 - (4) Remove the Exit Motor Belt.

Replacement

1. To install, carry out the removal steps in reverse order.

REP 38.4.1 Trans Roll Assembly (Upper)

Parts List on PL 38.4

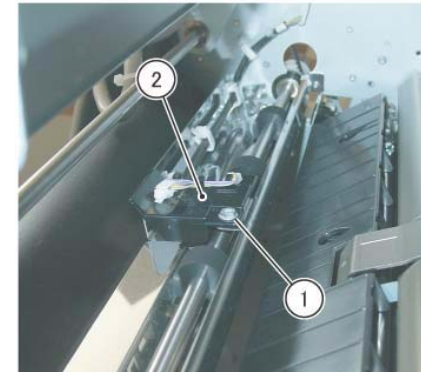
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 38.1.2)
2. Remove the Rear Lower Cover. (PL 38.1)
3. Remove the Rear Right Cover. (PL 38.1)
4. Remove the Rear Left Cover. (PL 38.1)
5. Move the Decurler In Sensor Assembly. (Figure 1)
 - (1) Remove the screw.
 - (2) Move the Decurler In Sensor Assembly.



j0ic438115

Figure 1 j0ic438115

6. Remove the Bearing at the front. (Figure 2)
 - (1) Remove the screw that holds the shaft by using a spanner.
 - (2) Remove the Bearing.

REP 38.4.2 Trans Roll Assembly (Lower)

Parts List on PL 38.4

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 38.1.2)
2. Remove the Rear Lower Cover. (PL 38.1)
3. Remove the Rear Right Cover. (PL 38.1)
4. Remove the Right Upper Cover. (PL 38.2)
5. Open the 1a Guide.
6. Remove the duct. (Figure 1)
 - (1) Loosen the clamp (x2).
 - (2) Remove the duct.

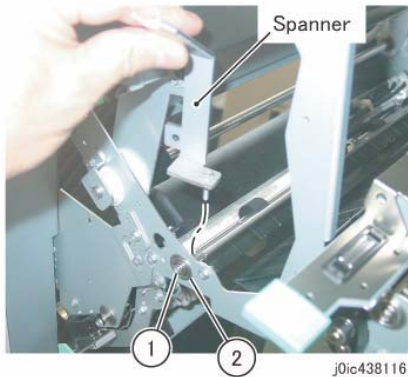


Figure 2 j0ic438116

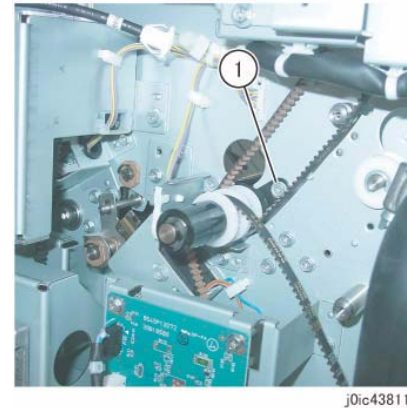


Figure 4 j0ic438118

7. Relax the tension of the Belt (x2) at the rear. (Figure 3)
 - (1) Remove the screw.
 - (2) Remove the Pulley.
 - (3) Remove the screw.
 - (4) Remove the Pulley.

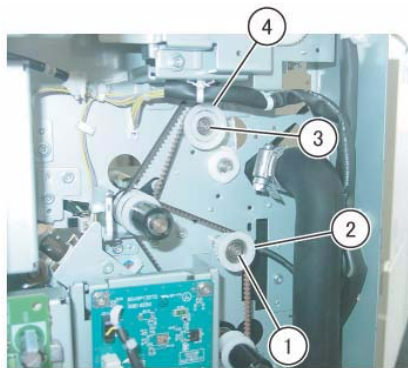


Figure 3 j0ic438117

9. Remove the Trans Roll Assembly. (Figure 5)
 - (1) Remove the Trans Roll Assembly (Upper) using the hole at the upper side.

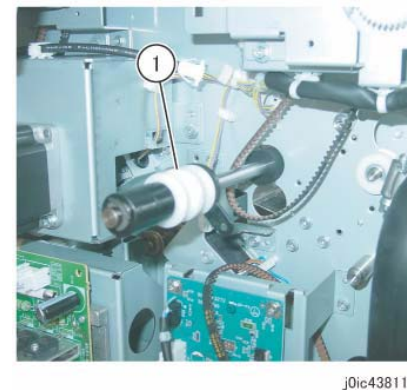


Figure 5 j0ic438119

Replacement

1. To install, carry out the removal steps in reverse order.

8. Remove the screw that secure the Trans Roll Assembly (Upper). (Figure 4)
 - (1) Remove the screw.

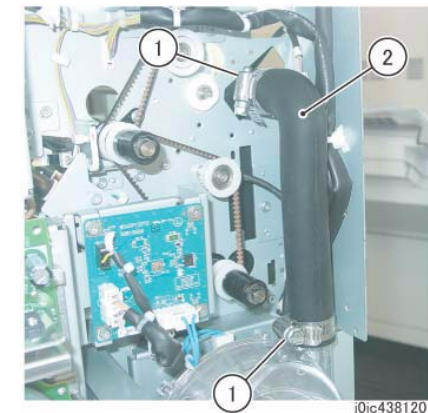


Figure 1 j0ic438120

7. Remove the screw (x2) that secure the Guide Upper-AMIATA at the rear. (Figure 2)
 - (1) Remove the Push Clamp.
 - (2) Remove the screw (x2).

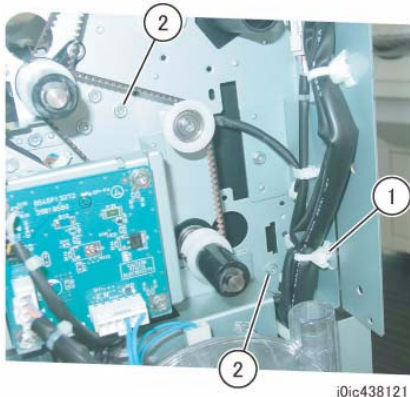


Figure 2 j0ic438121

8. Remove the screw (x2) that secure the Guide Upper-AMIATA at the front. (Figure 3)
 - (1) Remove the screw (x2).

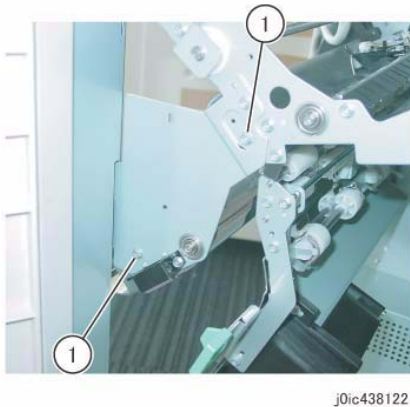


Figure 3 j0ic438122

9. Remove the Bearing at the front. (Figure 4)
 - (1) Attach a spanner to the hole of the Trans Roll Assembly (Lower) Shaft.
 - (2) Remove the screw.
 - (3) Remove the Bearing.



Figure 4 j0ic438123

10. Move the Fan PWB and Bracket. (Figure 5)
 - (1) Remove the screw (x2).
 - (2) Move the Fan PWB and Bracket.

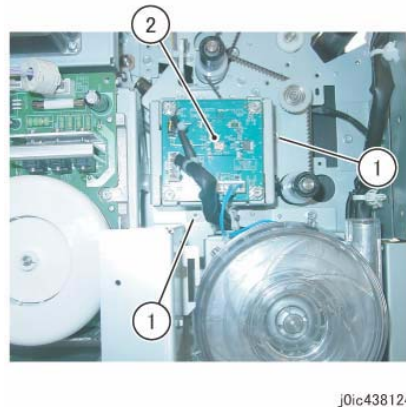


Figure 5 j0ic438124

11. Loosen the tension of the Belt and remove the screw that secure the Trans Roll Assembly (Lower). (Figure 6)

- (1) Remove the screw.
- (2) Remove the Pulley.
- (3) Remove the Belt from the Pulley.
- (4) Remove the screw.

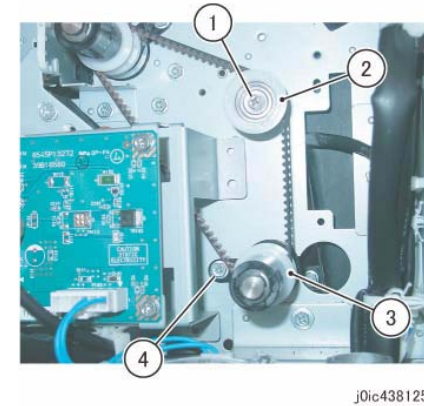


Figure 6 j0ic438125

12. Remove the Trans Roll Assembly (Lower). (Figure 7)
 - (1) Remove the Trans Roll Assembly (Lower).

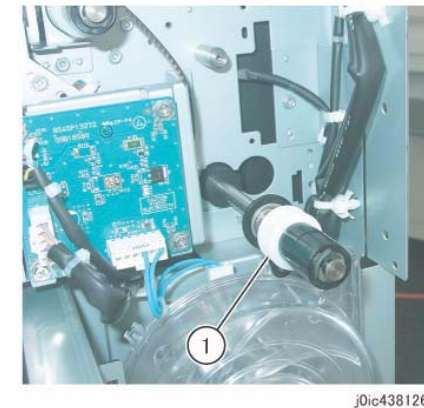


Figure 7 j0ic438126

Replacement

1. To install, carry out the removal steps in reverse order.

REP 38.4.3 Exit Roll Assembly

Parts List on PL 38.4

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 38.1.2)
2. Remove the Rear Lower Cover. (PL 38.1)
3. Remove the Rear Right Cover. (PL 38.1)
4. Remove the Right Lower Cover. (PL 38.2)
5. Remove the Fan 1 Assembly. (Figure 1)
 - (1) Remove the screw (x3).
 - (2) Remove the Fan 1 Assembly.

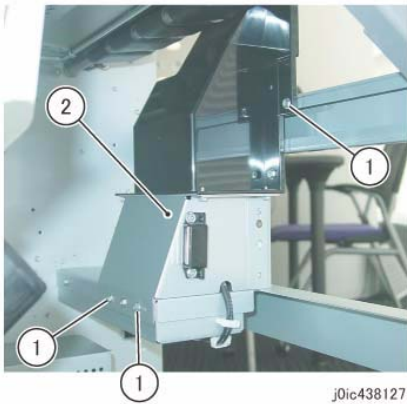


Figure 1 j0ic438127

6. Remove the Bearing at the front. (Figure 2)
 - (1) Use a spanner to hold the shaft in place and remove the screw.
 - (2) Remove the Bearing.

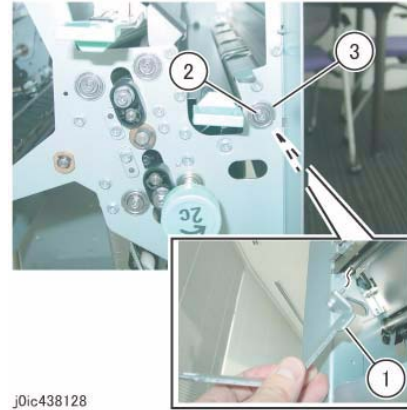


Figure 2 j0ic438128

7. Remove the screw that secures the Exit Roll Assembly at the rear. (Figure 3)
 - (1) Remove the screw.
 - (2) Remove the Belt from the Pulley.

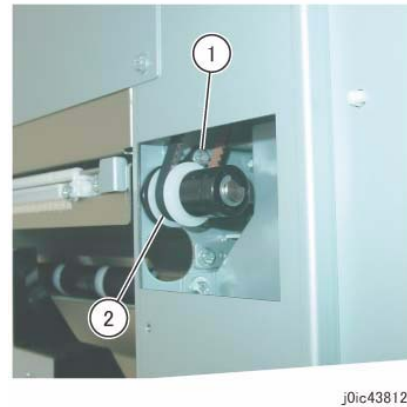


Figure 3 j0ic438129

8. Release the wire from the clamp. (Figure 4)
 - (1) Release the wire from the clamp (x2).
 - (2) Remove the Push Clamp.

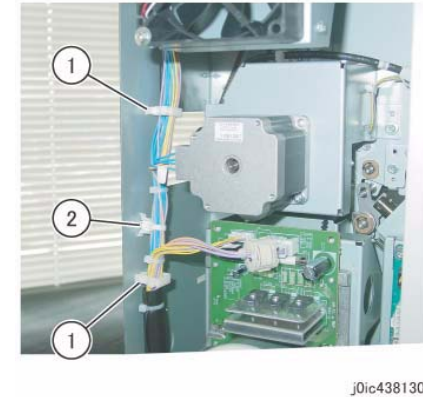


Figure 4 j0ic438130

9. Remove the Exit Roll Assembly. (Figure 5)
 - (1) Remove the Exit Roll Assembly using the hole at the lower side.



Figure 5 j0ic438131

Replacement

1. To install, carry out the removal steps in reverse order.

REP 38.4.4 Entrance Belt

Parts List on PL 38.4

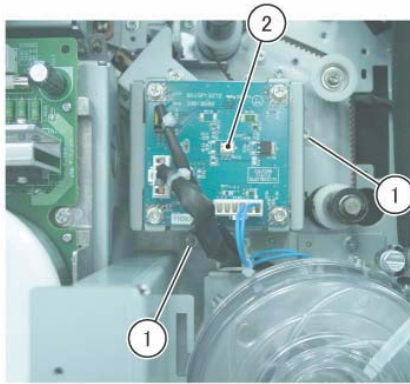
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

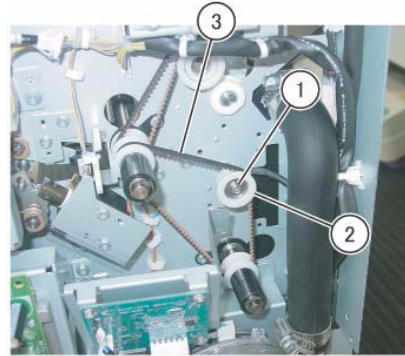
1. Detach the I/F Cooling Module. (REP 38.1.1)
2. Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 38.1)
3. Remove the Rear Lower Cover. (PL 38.1)
4. Remove the Rear Right Cover. (PL 38.1)
5. Remove the Rear Left Cover. (PL 38.1)
6. Move the Fan PWB and Bracket. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Move the Fan PWB and Bracket.



j0ic438110

Figure 1 j0ic438110

7. Remove the Entrance Belt. (Figure 2)
 - (1) Remove the screw.
 - (2) Remove the Pulley.
 - (3) Remove the Entrance Belt.



j0ic438132

Figure 2 j0ic438132

Replacement

1. To install, carry out the removal steps in reverse order.

REP 38.4.5 Feed Belt

Parts List on PL 38.4

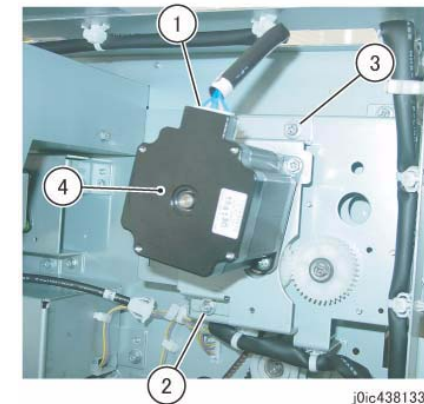
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Entrance Belt. (REP 38.4.4)
2. Remove the ICM Transport Motor Assembly. (Figure 1)
 - (1) Disconnect the connector.
 - (2) Loosen the screw.
 - (3) Remove the screw.
 - (4) Remove the ICM Transport Motor Assembly.



j0ic438133

Figure 1 j0ic438133

3. Remove the Push Clamp (x2) and the Pulley. (Figure 2)
 - (1) Remove the Push Clamp (x2).
 - (2) Remove the screw.
 - (3) Remove the Pulley.

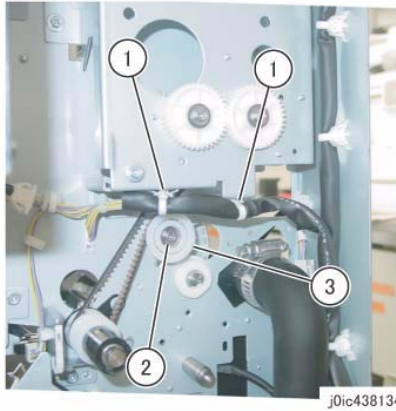


Figure 2 j0ic438134

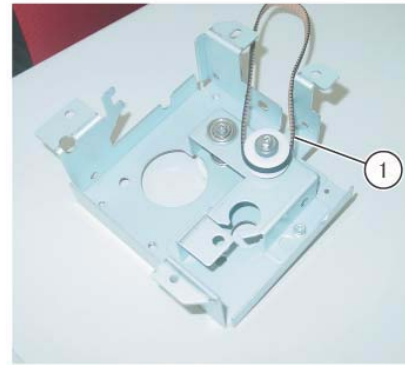


Figure 4 j0ic438136

4. Remove the Feed Belt. (Figure 3)
 - (1) Remove the screw (x4).
 - (2) Remove the Gear and Bracket.
 - (3) Remove the Feed Belt.

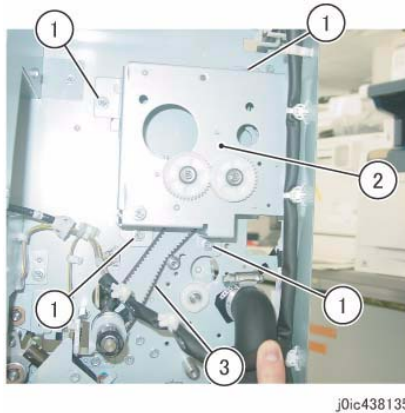


Figure 3 j0ic438135

Replacement

1. To install, carry out the removal steps in reverse order.
2. Hang the Feed Belt on the Pulley of the Gear and Bracket. (Figure 4)
 - (1) Hang the Feed Belt on the Pulley.

REP 38.5.1 Decurler Belt Upper/Lower

Parts List on PL 38.5

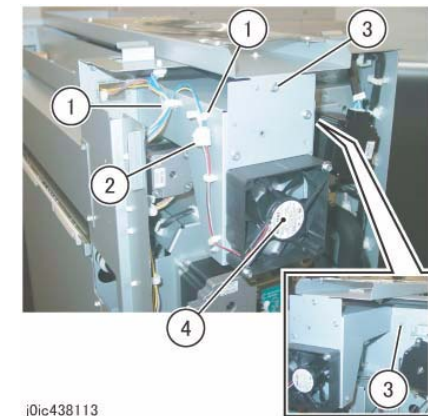
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 38.1.2)
2. Remove the Rear Lower Cover. (PL 38.1)
3. Remove the Rear Right Cover. (PL 38.1)
4. Remove the Rear Left Cover. (PL 38.1)
5. Remove the Right Upper Cover. (PL 38.2)
6. Remove the Fan 5 Assembly. (Figure 1)
 - (1) Release the clamp (x2) from the wire.
 - (2) Disconnect the connector.
 - (3) Remove the screw (x2).
 - (4) Remove the Fan 5 Assembly.



j0ic438113

Figure 1 j0ic438113

7. Remove the Decurler Cam Motor Assembly. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Release the clamp (x5) from the wire.

- (3) Remove the screw (x3).
- (4) Remove the Decurler Cam Motor Assembly.

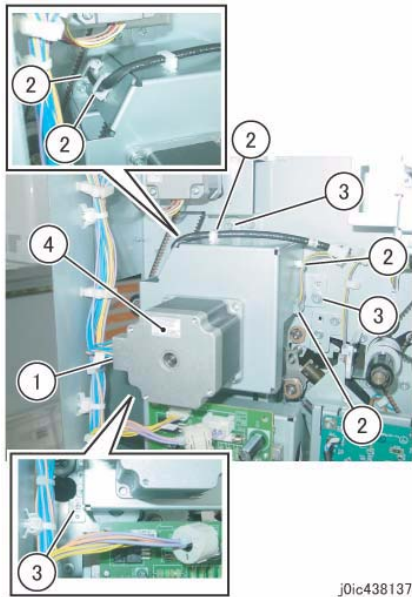


Figure 2 j0ic438137

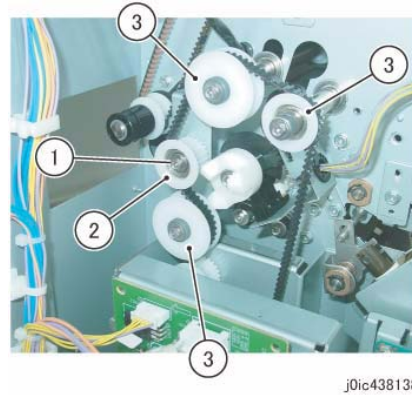


Figure 3 j0ic438138

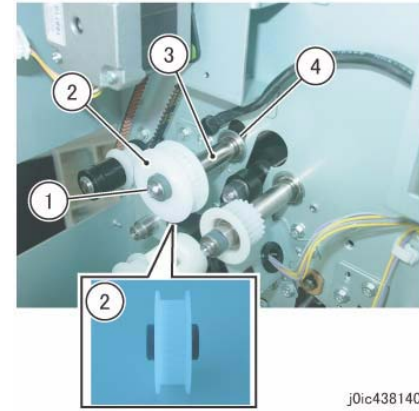


Figure 5 j0ic438140

- 8. Remove the Belt from the Pulley (x3). (Figure 3)
 - (1) Remove the screw.
 - (2) Remove the Pulley.
 - (3) Remove the Belt from the Pulley (x3).

- 9. Attach a spanner to the hole of the Upper Decurler Belt Roll Shaft. (Figure 4)
 - (1) Attach the spanner to the hole of the shaft.



Figure 4 j0ic438139

- 11. Remove the Pulley at the rear upper side. (Figure 6)
 - (1) Remove the screw that holds the spacer by using a spanner.
 - (2) Remove the spacer.
 - (3) Remove the collar (small).
 - (4) Remove the Pulley.

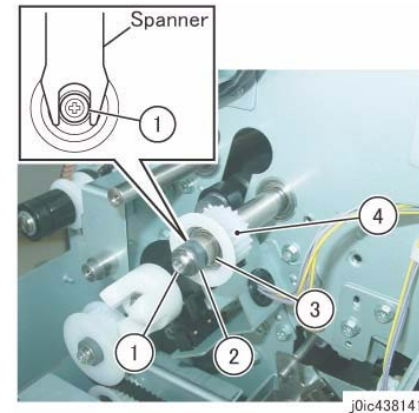
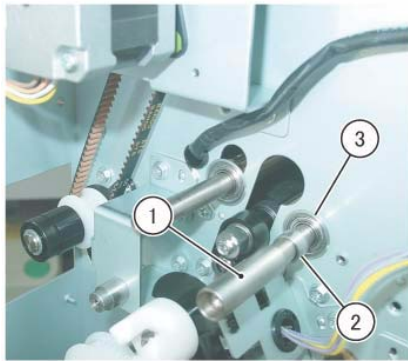


Figure 6 j0ic438141

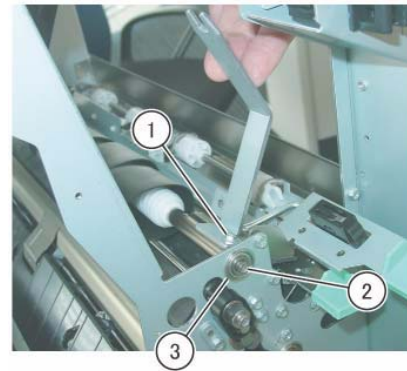
- 10. Remove the Bearing at the rear upper side. (Figure 5)
 - (1) Remove the screw.
 - (2) Remove the Pulley and the Spacer (Front, Rear).
 - (3) Remove the collar.
 - (4) Remove the Bearing.

- 12. Remove the Bearing at the rear upper side. (Figure 7)
 - (1) Remove the collar (large).
 - (2) Remove the collar (small).
 - (3) Remove the Bearing.



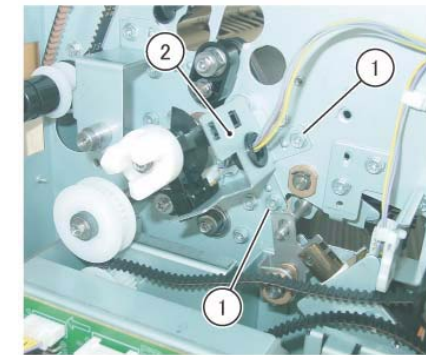
j0ic438142

Figure 7 j0ic438142



j0ic438144

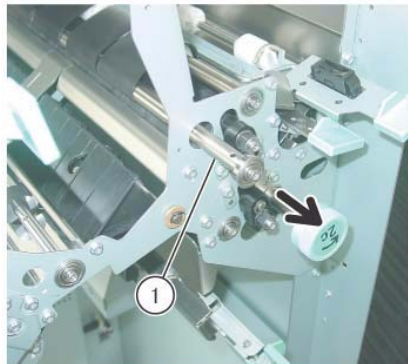
Figure 9 j0ic438144



j0ic438146

Figure 11 j0ic438146

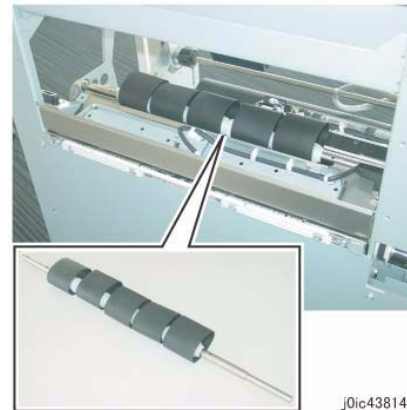
13. Remove the Idle Roller. (Figure 8)
(1) Remove the Idle Roller.



j0ic438143

Figure 8 j0ic438143

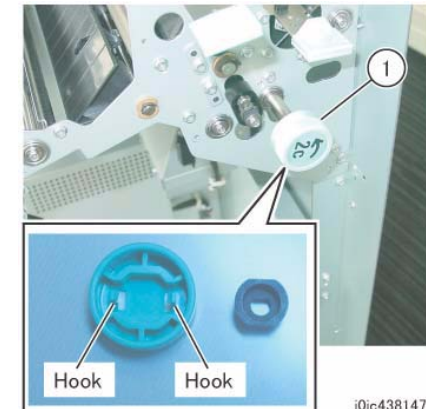
15. Remove the Decurler Belt Upper (x5). (Figure 10)



j0ic438145

Figure 10 j0ic438145

18. Remove the 2c-Knob. (Figure 12)
(1) Release the hook (x2) at the rear and remove the 2c-Knob.



j0ic438147

Figure 12 j0ic438147

14. Remove the Bearing at the front upper side. (Figure 9)
(1) Remove the screw that holds the shaft by using a spanner.
(2) Remove the Bearing.

16. Remove the 2b-Guide Assembly-MID Low. (REP 38.8.1)
17. Move the Sensor and Bracket. (Figure 11)
(1) Remove the screw (x2).
(2) Move the Sensor and Bracket.

19. Remove the Pulley at the rear lower side. (Figure 13)
(1) Secure the 2c-Knob Shaft to prevent it from rotating and remove the screw.
(2) Remove the Pulley and the Spacer (Front, Rear).

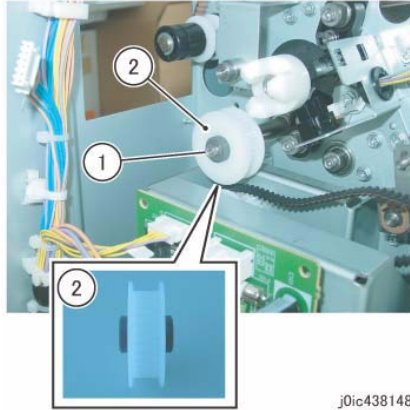


Figure 13 j0ic438148

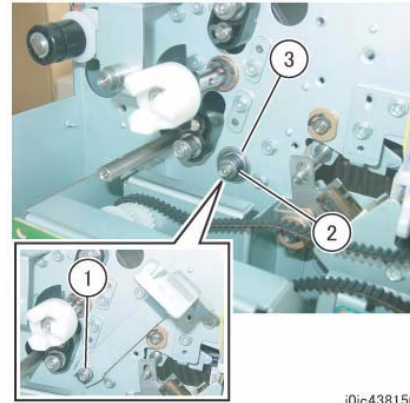


Figure 15 j0ic438150

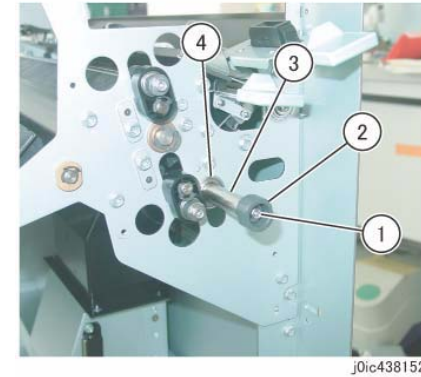


Figure 17 j0ic438152

20. Remove the Bearing at the rear lower side. (Figure 14)
- (1) Remove the collar.
 - (2) Remove the Bearing.

22. Remove the Idle Roller. (Figure 16)
- (1) Remove the Idle Roller.

24. Remove the Decurler Belt Lower (x5). (Figure 18)

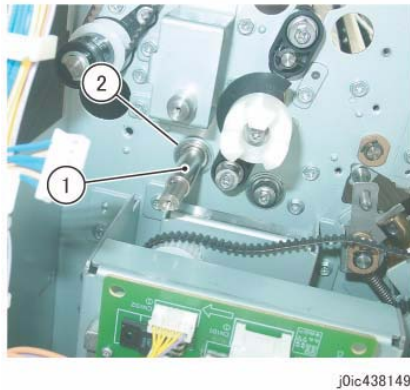


Figure 14 j0ic438149

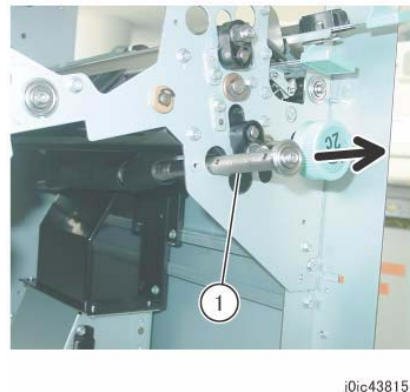


Figure 16 j0ic438151

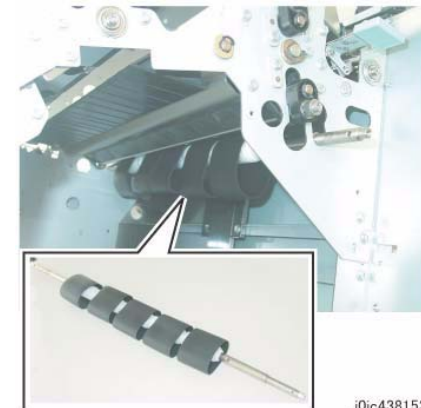


Figure 18 j0ic438153

21. Remove the Bearing at the rear lower side. (Figure 15)
- (1) Remove the screw that holds the spacer by using a spanner.
 - (2) Remove the spacer.
 - (3) Remove the Bearing.

23. Remove the Bearing at the front lower side. (Figure 17)
- (1) Remove the screw.
 - (2) Remove the spacer.
 - (3) Remove the collar.
 - (4) Remove the Bearing.

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, enter Diag Mode and clear the [DC135 HFSI] counter.
"Chain-Link: 959-800"

REP 38.5.2 Decurler Drive Belt

Parts List on PL 38.5

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the I/F Cooling Module. (REP 38.1.1)
2. Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 38.1)
3. Remove the Rear Lower Cover. (PL 38.1)
4. Remove the Rear Right Cover. (PL 38.1)
5. Remove the Rear Left Cover. (PL 38.1)
6. Disconnect the Top Cover connector. (Figure 1)
 - (1) Remove the screw that secure the Top Cover and the Connector Cover.
 - (2) Move the Connector Cover.
 - (3) Disconnect the connector.

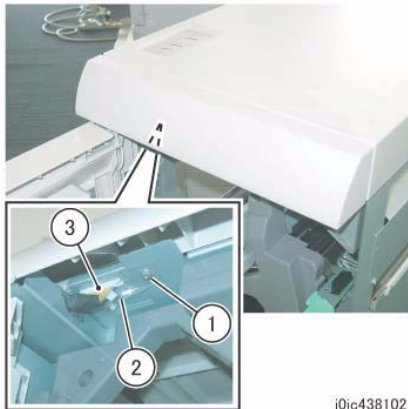


Figure 1 j0ic438102

7. Remove the Top Cover. (Figure 2)
 - (1) Remove the screw.

- (2) Remove the Top Cover.

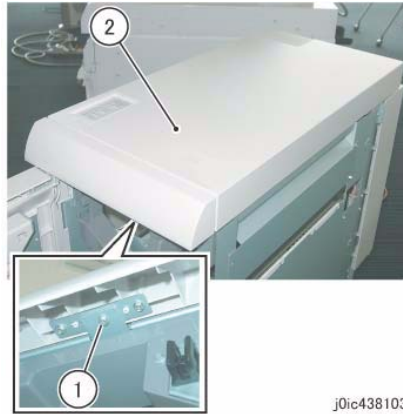


Figure 2 j0ic438103

8. Remove the Fan 5 Assembly. (Figure 3)
 - (1) Release the clamp (x2) from the wire.
 - (2) Disconnect the connector.
 - (3) Remove the screw (x2).
 - (4) Remove the Fan 5 Assembly.

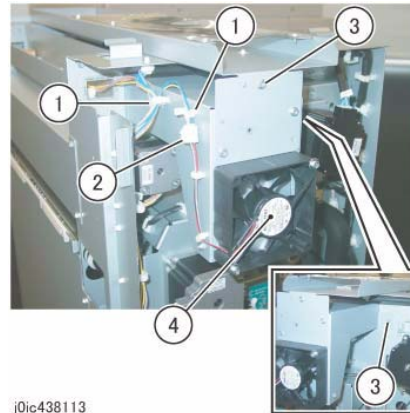


Figure 3 j0ic438113

9. Remove the Decurler Cam Motor Assembly. (Figure 4)
 - (1) Disconnect the connector.
 - (2) Release the clamp (x2) from the wire.
 - (3) Remove the screw (x3).

- (4) Remove the Decurler Cam Motor Assembly.

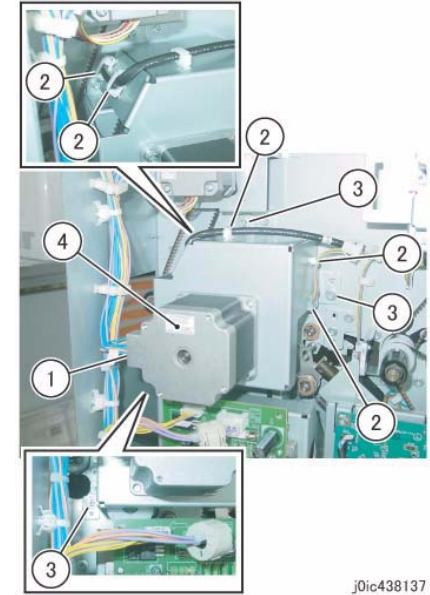
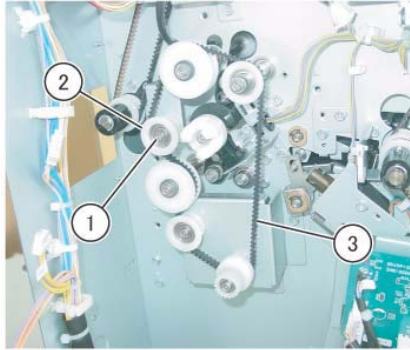


Figure 4 j0ic438137

10. Remove the Decurler Motor Belt. (REP 38.3.1)
11. Remove the Decurler Drive Belt. (Figure 5)
 - (1) Remove the screw.
 - (2) Remove the Pulley.
 - (3) Remove the Decurler Drive Belt.



j0ic438154

Figure 5 j0ic438154

Replacement

1. To install, carry out the removal steps in reverse order.

REP 38.6.1 Inlet Chute Upper/Lower

Parts List on PL 38.6

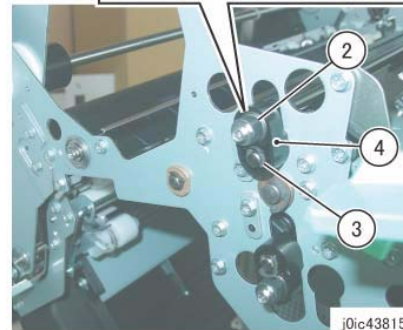
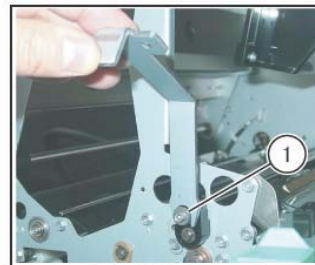
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Decurler Belt Upper/Lower. (REP 38.5.1)
2. Remove the block at the front upper side. (Figure 1)
 - (1) Use a spanner to hold the spacer in place and remove the screw.
 - (2) Remove the spacer.
 - (3) Remove the KL-Clip.
 - (4) Remove the Block and Bearing.

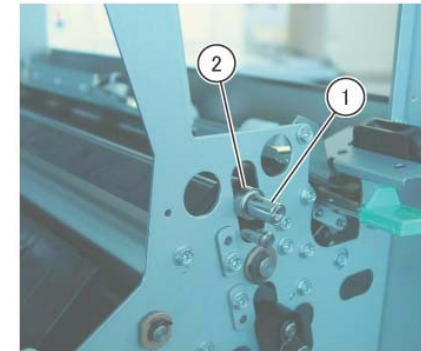


j0ic438155

Figure 1 j0ic438155

3. Remove the Bearing at the front upper side. (Figure 2)

- (1) Remove the collar.
- (2) Remove the Bearing.



j0ic438156

Figure 2 j0ic438156

4. Remove the Bearing at the rear upper side. (Figure 3)
 - (1) Use a spanner to hold the spacer in place and remove the screw.
 - (2) Remove the spacer.
 - (3) Remove the Bearing.

(2) Remove the Bearing.

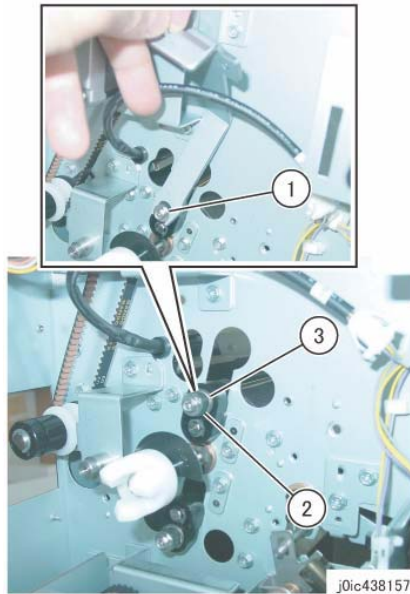


Figure 3 j0ic438157

5. Remove the Block at the rear upper side. (Figure 4)
 - (1) Remove the KL-Clip.
 - (2) Remove the block.

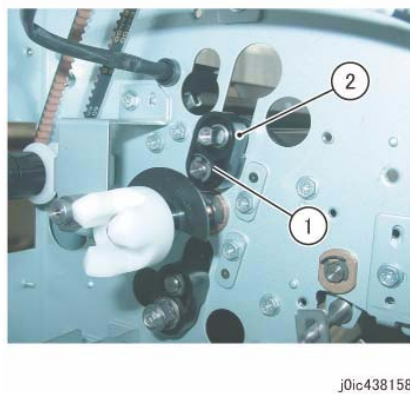


Figure 4 j0ic438158

6. Remove the Bearing at the rear upper side. (Figure 5)
 - (1) Remove the collar.

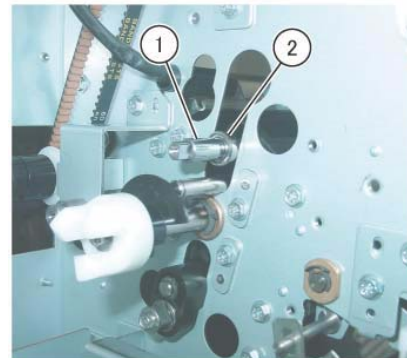


Figure 5 j0ic438159

7. Remove the pin at the front upper side. (Figure 6)
 - (1) Remove the screw.
 - (2) Remove the Pin.

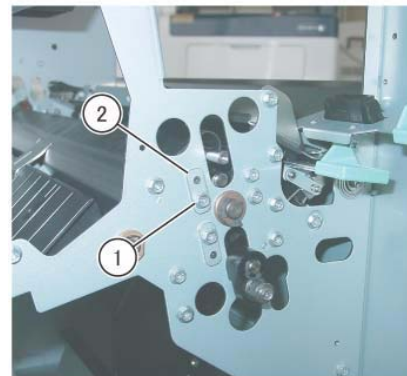
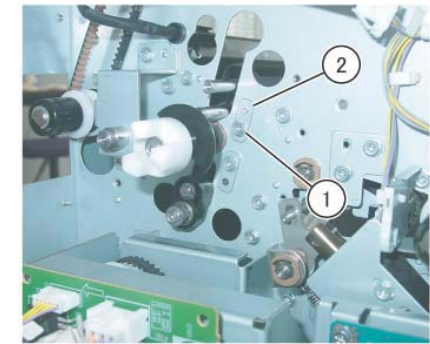


Figure 6 j0ic438160

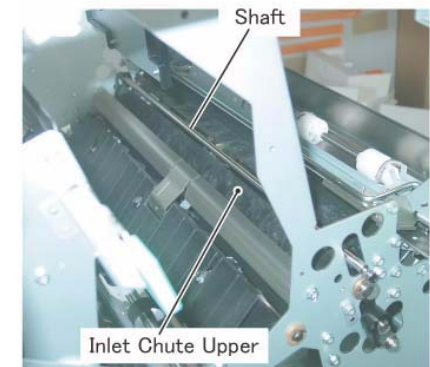
8. Remove the pin at the rear upper side. (Figure 7)
 - (1) Remove the screw.
 - (2) Remove the Pin.



j0ic438161

Figure 7 j0ic438161

9. Remove the Shaft and Inlet Chute Upper. (Figure 8)



j0ic438162

Figure 8 j0ic438162

Reference: This shows the removed Shaft and Inlet Chute Upper. (Figure 9)



j0ic438163

Figure 9 j0ic438163

10. Perform the same procedure as the Inlet Chute Upper on the Inlet Chute Lower.

Replacement

1. To install, carry out the removal steps in reverse order.

REP 38.6.2 Cam Shaft

Parts List on PL 38.6

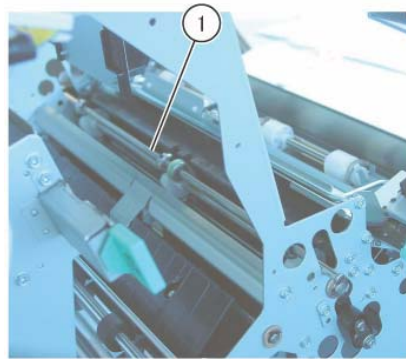
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inlet Chute Upper. (REP 38.6.1)
2. Remove the Shaft Assembly. (Figure 1)
 - (1) Remove the Shaft Assembly.



j0ic438164

Figure 1 j0ic438164

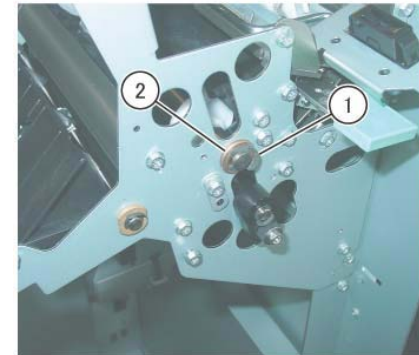
Reference: This shows the removed Shaft Assembly. (Figure 2)



j0ic438165

Figure 2 j0ic438165

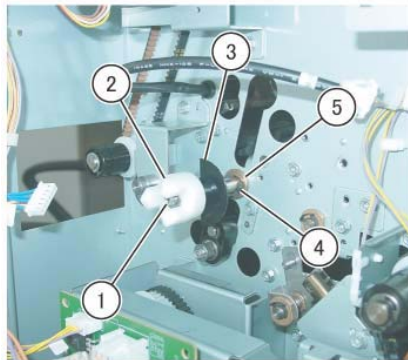
3. Remove the Bearing at the front. (Figure 3)
 - (1) Remove the KL-Clip.
 - (2) Remove the Bearing.



j0ic438166

Figure 3 j0ic438166

4. Remove the Bearing at the rear. (Figure 4)
 - (1) Remove the screw.
 - (2) Remove the joint.
 - (3) Remove the Actuator.
 - (4) Remove the KL-Clip.
 - (5) Remove the Bearing.



j0ic438167

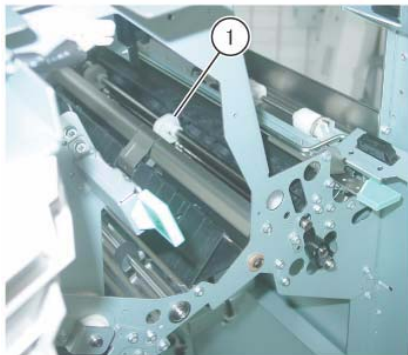
Figure 4 j0ic438167



j0ic438169

Figure 6 j0ic438169

5. Remove the Cam Shaft. (Figure 5)
 - (1) Remove the Cam Shaft.



j0ic438168

Figure 5 j0ic438168

Reference: This shows the removed Cam Shaft. (Figure 6)

Replacement

1. To install, carry out the removal steps in reverse order.

REP 38.7.1 Gate Assembly

Parts List on PL 38.7

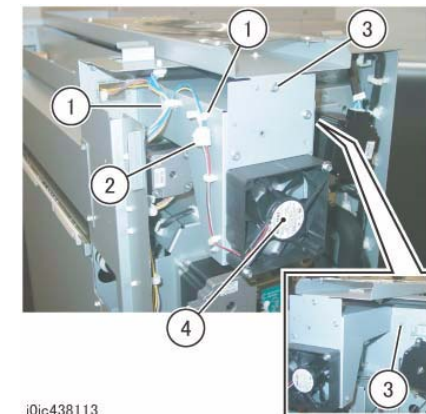
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 38.1.2)
2. Remove the Rear Lower Cover. (PL 38.1)
3. Remove the Rear Right Cover. (PL 38.1)
4. Remove the Rear Left Cover. (PL 38.1)
5. Open the 2a - Guide Assembly - ILS.
6. Remove the Fan 5 Assembly. (Figure 1)
 - (1) Release the clamp (x2) from the wire.
 - (2) Disconnect the connector.
 - (3) Remove the screw (x2).
 - (4) Remove the Fan 5 Assembly.



j0ic438113

Figure 1 j0ic438113

7. Remove the Decurler Cam Motor Assembly. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Release the clamp (x5) from the wire.

- (3) Remove the screw (x3).
- (4) Remove the Decurler Cam Motor Assembly.

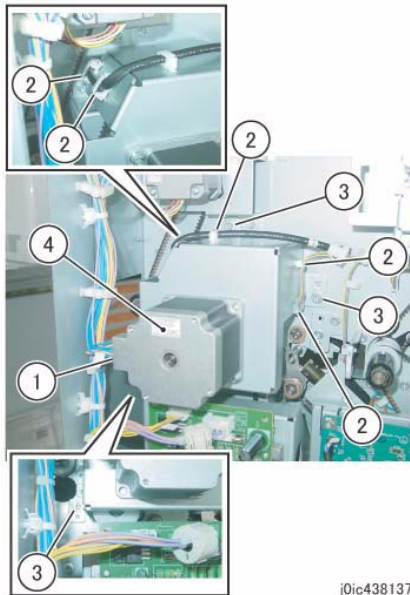


Figure 2 j0ic438137

- 8. Remove the Fan PWB and Bracket. (Figure 3)
 - (1) Disconnect the connector (x3).
 - (2) Release the clamp from the wire.
 - (3) Remove the screw (x2).
 - (4) Remove the Fan PWB and Bracket.

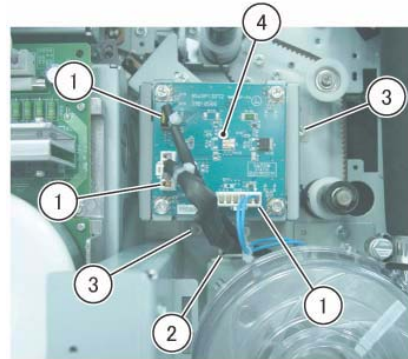


Figure 3 j0ic438170

- 9. Move the Decurler Gate Solenoid. (Figure 4)
 - (1) Remove the screw (x2).
 - (2) Remove the Gate Lever from the Link of the Gate Assembly and move the Decurler Gate Solenoid.

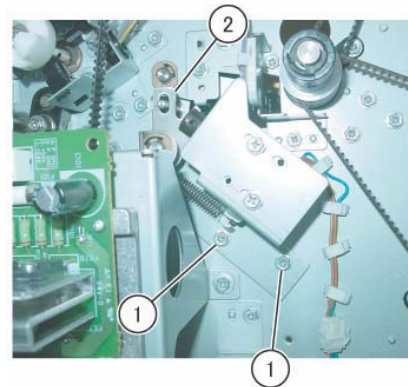


Figure 4 j0ic438171

- 10. Remove the screw (x2) that secure the Bearing and the Guide at the rear. (Figure 5)
 - (1) Remove the KL-Clip.
 - (2) Remove the Bearing.
 - (3) Remove the screw (x2).

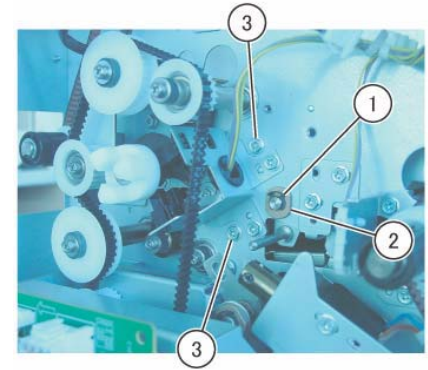


Figure 5 j0ic438172

- 11. Remove the screw (x2) that secure the Bearing and the Guide at the front. (Figure 6)
 - (1) Remove the KL-Clip.
 - (2) Remove the Bearing.
 - (3) Remove the screw (x2).

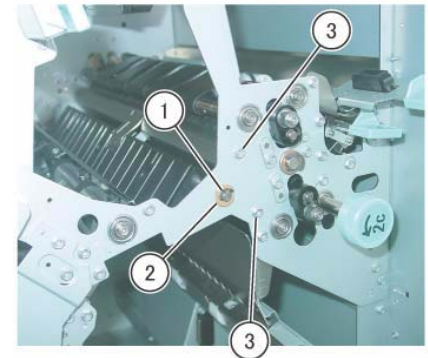
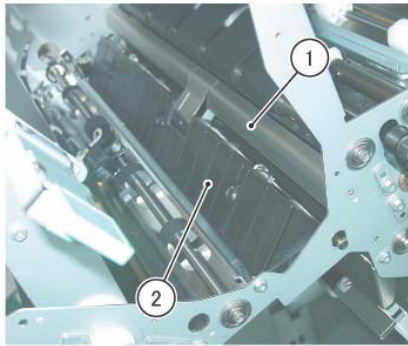


Figure 6 j0ic438173

- 12. Remove the Gate Assembly. (Figure 7)
 - (1) Remove the guide.
 - (2) Remove the Gate Assembly.



j0ic438174

Figure 7 j0ic438174

Reference: This shows the removed Guide and Gate Assembly. (Figure 8)



j0ic438175

Figure 8 j0ic438175

Replacement

- To install, carry out the removal steps in reverse order.

REP 38.7.2 Decurler Gate Sensor

Parts List on PL 38.7

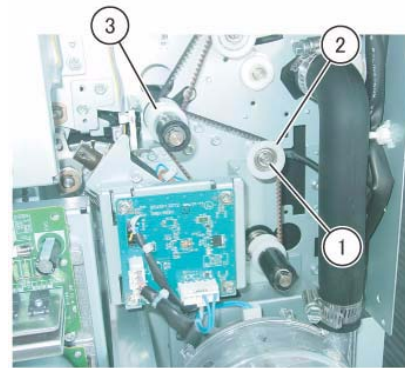
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

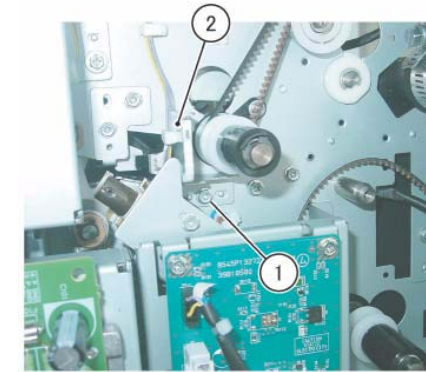
- Remove the I/F Cable.
- Remove the Rear Lower Cover. (PL 38.1)
- Remove the Rear Right Cover. (PL 38.1)
- Remove the Rear Left Cover. (PL 38.1)
- Remove the Belt from the Pulley. (Figure 1)
 - Remove the screw.
 - Remove the Pulley.
 - Remove the Belt from the Pulley.



j0ic438176

Figure 1 j0ic438176

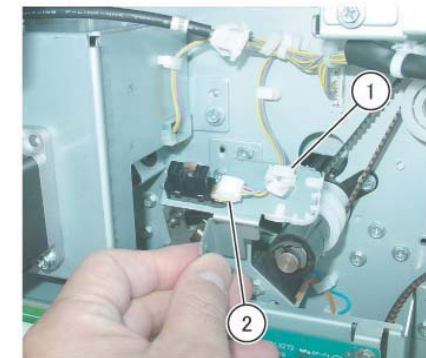
- Remove the Decurler Gate Solenoid and Bracket. (Figure 2)
 - Remove the screw.
 - Remove the Decurler Gate Solenoid and Bracket.



j0ic438177

Figure 2 j0ic438177

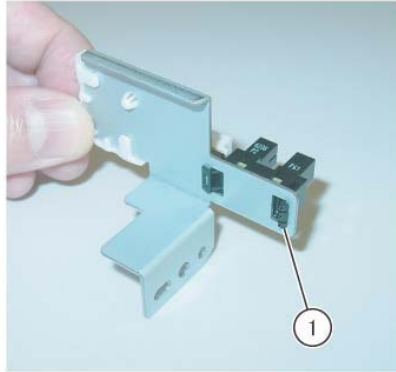
- Disconnect the Decurler Gate Sensor connector. (Figure 3)
 - Release the clamp from the wire.
 - Disconnect the connector.



j0ic438178

Figure 3 j0ic438178

- Remove the Decurler Gate Sensor. (Figure 4)
 - Release the hook and remove the Decurler Gate Sensor.



j0ic438179

Figure 4 j0ic438179

Replacement

1. To install, carry out the removal steps in reverse order.

REP 38.8.1 Guide Assembly MID-Low

Parts List on PL 38.8

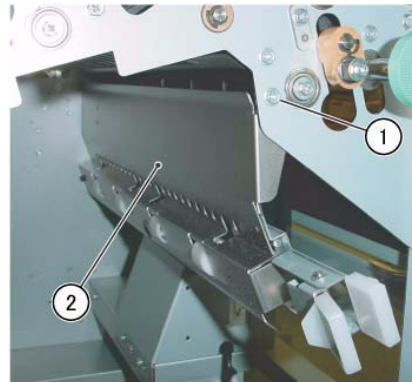
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 38.1.2)
2. Remove the Guide Assembly MID-Low. (Figure 1)
 - (1) Remove the screw at the front.
 - (2) Remove the Guide Assembly MID-Low.



j0ib43755

Figure 1 j0ib43755

Replacement

1. To install, carry out the removal steps in reverse order.

REP 38.8.2 Guide Assembly-Exit Up

Parts List on PL 38.8

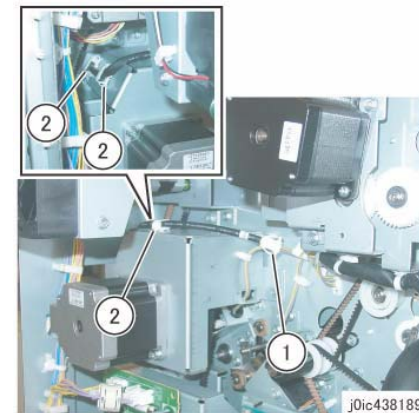
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 38.1.2)
2. Remove the Rear Lower Cover. (PL 38.1)
3. Remove the Rear Right Cover. (PL 38.1)
4. Remove the Rear Left Cover. (PL 38.1)
5. Disconnect the connector at the rear. (Figure 1)
 - (1) Disconnect the connector.
 - (2) Release the clamp (x3) from the wire.



j0ic438189

Figure 1 j0ic438189

6. Remove the Guide Assembly-Exit Up. (Figure 2)
 - (1) Remove the screw.
 - (2) Remove the Guide Assembly-Exit Up.
 - (3) Remove the Connector Housing from the hole.

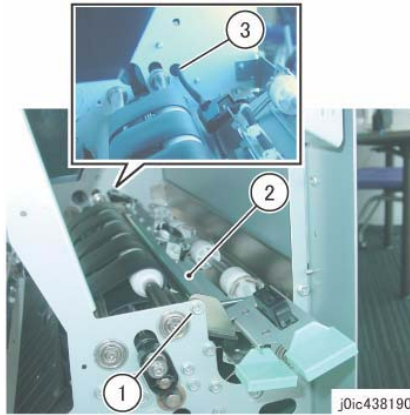


Figure 2 j0ic438190

Replacement

- To install, carry out the removal steps in reverse order.

REP 38.8.3 Guide Assembly Low - AMIATA**Parts List on PL 38.8****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

- Remove the Inner Cover. (REP 38.1.2)
- Remove the Rear Lower Cover. (PL 38.1)
- Remove the Rear Right Cover. (PL 38.1)
- Remove the Rear Left Cover. (PL 38.1)
- Remove Fan 4. (REP 38.12.1)
- Remove the duct. (Figure 1)
 - Loosen the clamp.
 - Remove the duct.

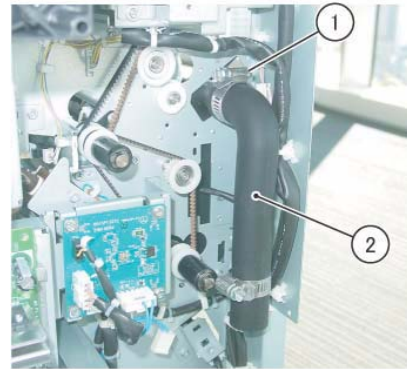


Figure 1 j0ic438180

- Disconnect the Fan 3 connector of the Guide Assembly Low - AMIATA. (Figure 2)
 - Remove the Push Clamp.
 - Release the clamp from the wire.

- Disconnect the connector.
- Insert the previously removed Connector Housing into the hole of the Frame.

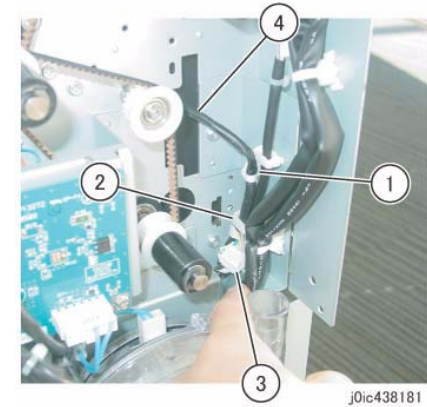


Figure 2 j0ic438181

- Open the 1a - Guide Assembly Low - AMIATA.
- Remove the Guide Assembly Low - AMIATA. (Figure 3)
 - Remove the screw.
 - Remove the Guide Assembly Low - AMIATA.
 - Pull out the Connector Housing from the gap of the Guide Upper - AMIATA.

REP 38.8.4 Guide Assembly - ILS

Parts List on PL 38.8

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

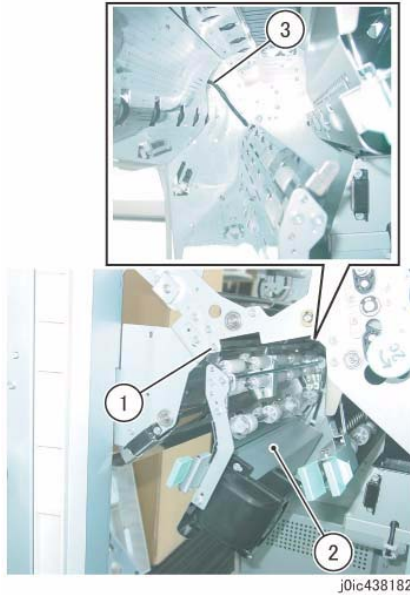


Figure 3 j0ic438182

Reference: This shows the removed Guide Assembly Low - AMIATA. (Figure 4)



Figure 4 j0ic438183

Replacement

- To install, carry out the removal steps in reverse order.

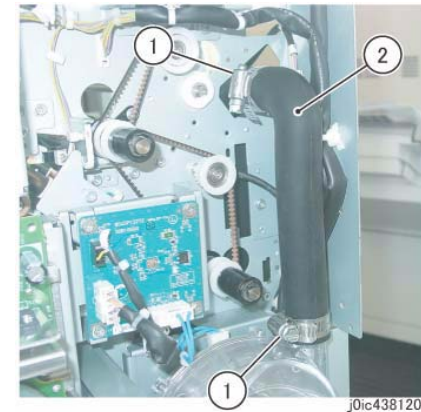


Figure 2 j0ic438120

- Remove the Inner Cover. (REP 38.1.2)
- Remove the Rear Lower Cover. (PL 38.1)
- Remove the Rear Right Cover. (PL 38.1)
- Remove the Rear Left Cover. (PL 38.1)
- Release the clamp (x4) from the cable. (Figure 1)
 - Remove the Push Clamp (x2).
 - Release the clamp (x4) from the cable.

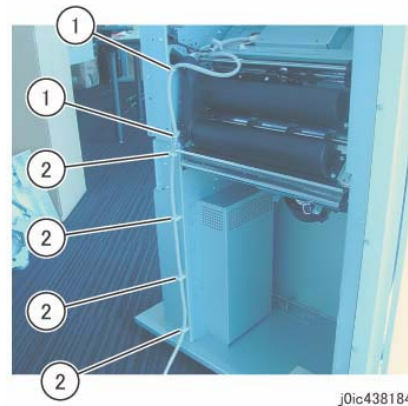


Figure 1 j0ic438184

- Disconnect the connector. (Figure 3)
 - Remove the Push Clamp.
 - Disconnect the connector.

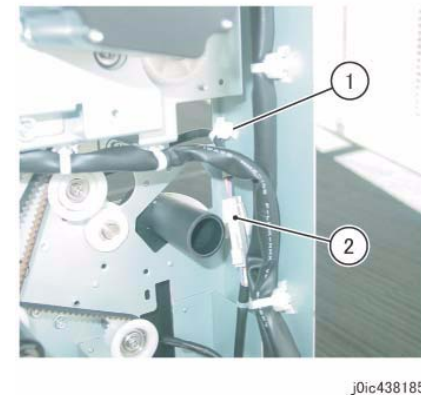


Figure 3 j0ic438185

- Remove the duct. (Figure 2)
 - Loosen the clamp (x2).
 - Remove the duct.

- Remove the Bearing. (Figure 4)
 - Remove the screw.
 - Remove the Stop Bracket.
 - Remove the Bearing.

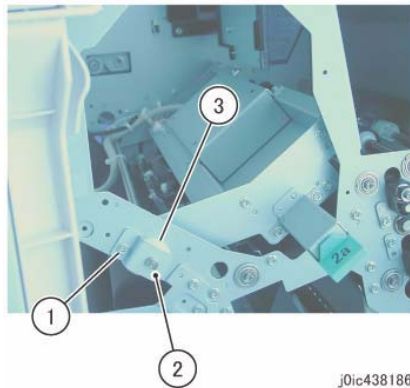


Figure 4 j0ic438186

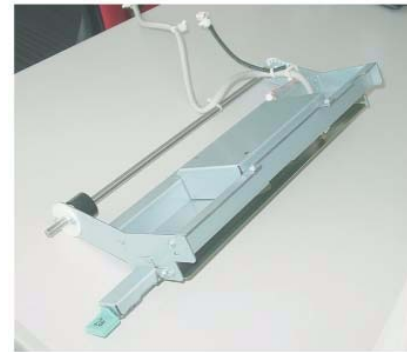


Figure 6 j0ic438188

9. Remove the Guide Assembly - ILS. (Figure 5)
(1) Remove the Guide Assembly - ILS.

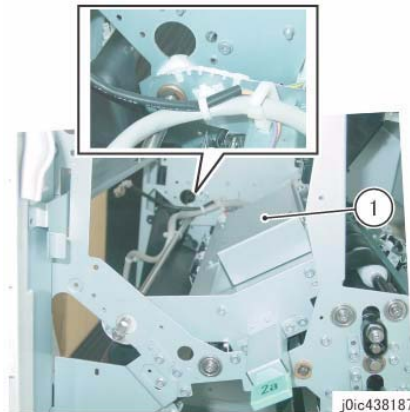


Figure 5 j0ic438187

Reference: This shows the removed Guide Assembly - ILS. (Figure 6)

Replacement

1. To install, carry out the removal steps in reverse order.

REP 38.8.5 Guide Upper - AMIATA

Parts List on PL 38.8

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Inner Cover. (REP 38.1.2)
2. Remove the Rear Lower Cover. (PL 38.1)
3. Remove the Rear Right Cover. (PL 38.1)
4. Remove the Rear Left Cover. (PL 38.1)
5. Remove the Trans Roll Assembly (Upper). (REP 38.4.1)
6. Release the clamp from the cable. (Figure 1)
 - (1) Remove the Push Clamp (x2).
 - (2) Release the clamp from the cable.

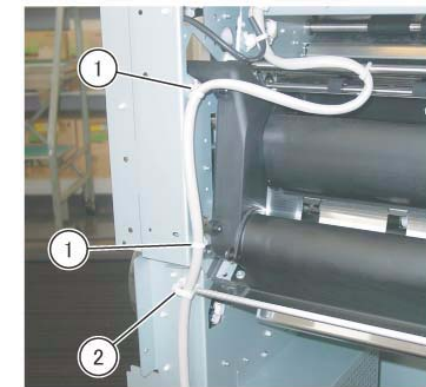


Figure 1 j0ic438191

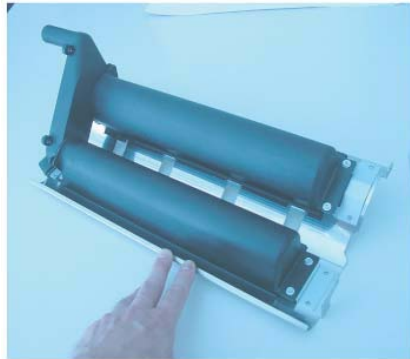
7. Remove the Guide Upper - AMIATA. (Figure 2)
 - (1) Remove the Guide Upper - AMIATA.



j0ic438192

Figure 2 j0ic438192

Reference: This shows the removed Guide Upper - AMIATA. (Figure 3)



j0ic438193

Figure 3 j0ic438193

Replacement

- To install, carry out the removal steps in reverse order.

REP 38.12.1 Fan 4

Parts List on PL 38.12

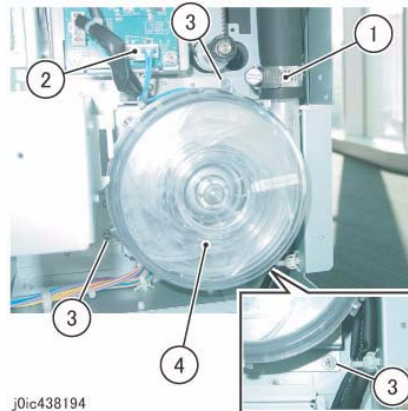
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

- Remove the I/F Cable.
- Remove the Rear Lower Cover. (PL 38.1)
- Remove the Rear Right Cover. (PL 38.1)
- Remove the Rear Left Cover. (PL 38.1)
- Remove Fan 4. (Figure 1)
 - Loosen the clamp.
 - Disconnect the connector.
 - Remove the screw (x3).
 - Remove Fan 4.



j0ic438194

Figure 1 j0ic438194

Replacement

- To install, carry out the removal steps in reverse order.

REP 38.13.1 ILS (Inline Sensor)

Parts List on PL 38.13

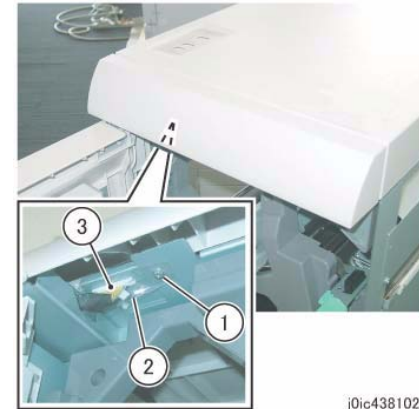
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

- Detach the I/F Cooling Module. (REP 38.1.1)
- Install the Safety Bracket (x2) that can be found attached to the inner side of the frame at the front. (PL 38.1)
- Disconnect the Top Cover connector. (Figure 1)
 - Remove the screw that secure the Top Cover and the Connector Cover.
 - Move the Connector Cover.
 - Disconnect the connector.



j0ic438102

Figure 1 j0ic438102

- Remove the Top Cover. (Figure 2)
 - Remove the screw.
 - Remove the Top Cover.

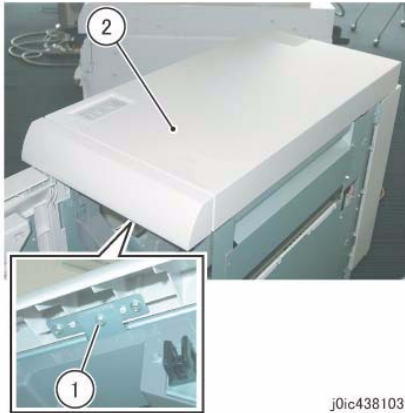


Figure 2 j0ic438103

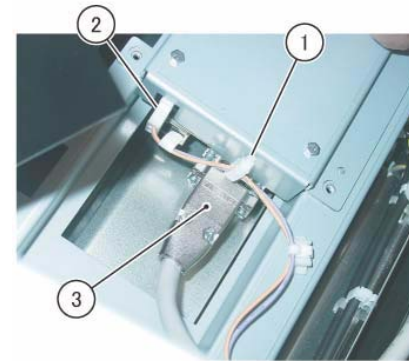


Figure 4 j0ic438196

5. Remove the screw (x4) that secure the ILS and Bracket. (Figure 3)
 - (1) Remove the screw (x4).

7. Remove the ILS and Bracket.
8. Remove the ILS. (Figure 5)
 - (1) Remove the screw (x4).
 - (2) Remove the ILS.

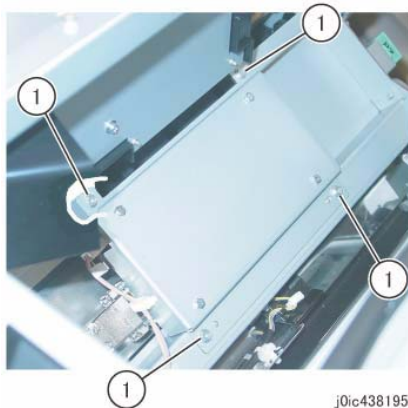


Figure 3 j0ic438195

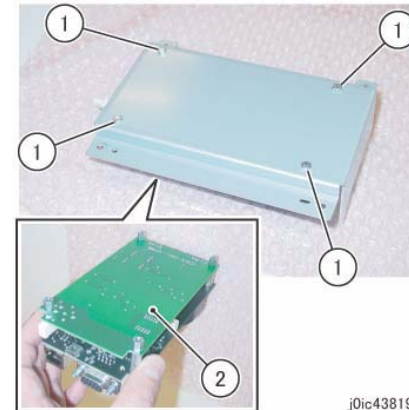


Figure 5 j0ic438197

6. Disconnect the ILS connector. (Figure 4)
 - (1) Release the wire from the clamp.
 - (2) Disconnect the connector.
 - (3) Loosen the screw (x2) and disconnect the connector.

Replacement

1. To install, carry out the removal steps in reverse order.

REP 39.1.1 Detaching the HCS

Parts List on PL 39.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. With the power turned ON, press the lock release button on the Front Door of the HCS Panel to open the Front Door, remove the Dolly and the Stacker Tray, perform Step 3 and Step 4, then go to Step 9.
2. If the Front Door was unable to open due to some kind of failure, perform Step 3 to Step 8 to unlock the Front Door manually.
3. Turn OFF the breaker switch of the HCS and unplug the power plug from the outlet.
4. [Color C75 Press]
Disconnect the HCS-I/F Module communication cable.
[Color J75 Press]
Disconnect the HCS-I/F Cooling Module communication cable.
5. Open the Upper Cover.
6. Open the 3b Chute.
7. Unlock the HCS Front Door. (Figure 1)
 - (1) Unlock the Front Door by inserting a 5.5mm Box Driver into the hole and pushing it in the direction of the arrow.

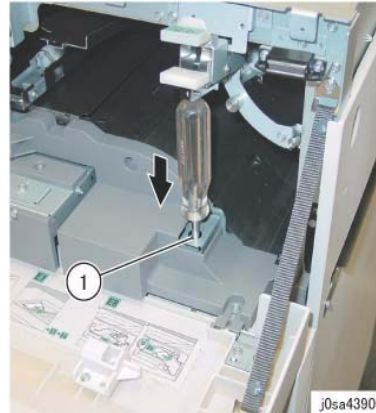


Figure 1 j0sa43901

8. Open the Front Door.
9. Detach the HCS. (Figure 2)
 - (1) Remove the screw.
 - (2) Pull the Docking Lever in the direction of the arrow to release the docking of the HCS.

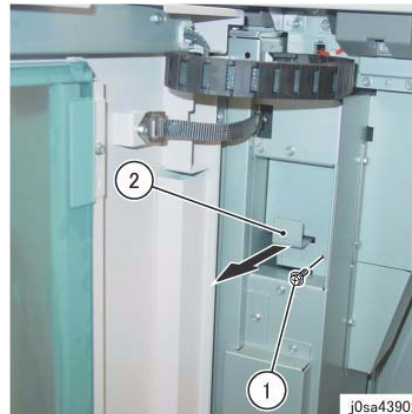


Figure 2 j0sa43902

Replacement

1. To install, carry out the removal steps in reverse order.

REP 39.1.2 Rear Cover

Parts List on PL 39.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Unplug the power plug from the outlet. (Figure 1)
 - (1) Remove the screw.
 - (2) Remove the Inlet Bracket.
 - (3) Unplug the power plug.

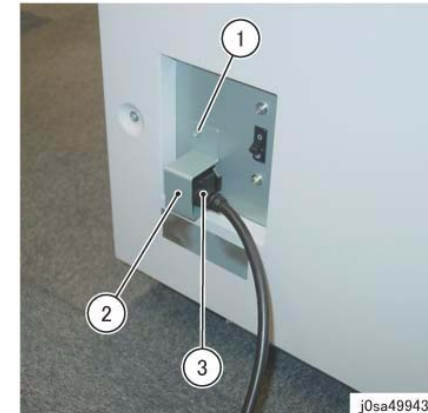


Figure 1 j0sa49943

3. Remove the Rear Cover. (Figure 2)
 - (1) Remove the screw (M4: x4).
 - (2) Remove the Rear Cover.

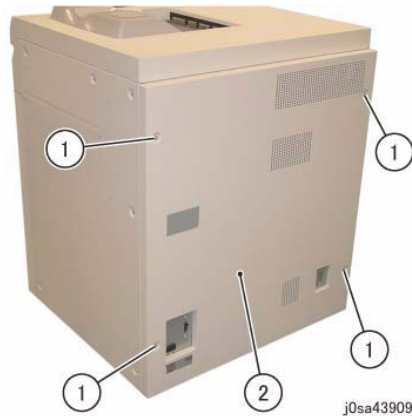


Figure 2 j0sa43909

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the Rear Cover, attach the hook (x2) of the Rear Cover to the notch (x2) of the Frame. (Figure 3)



Figure 3 j0sa43910

j0sa43910

REP 39.2.1 Top Cover**Parts List on PL 39.2****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the HCS from the I/F Module. (REP 39.1.1)
2. Open the Upper Cover.
3. Remove the screw that secure the Top Cover. (Figure 1)
(1) Remove the screw (x3).

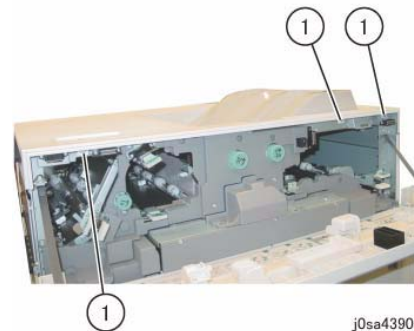


Figure 1 j0sa43903

j0sa43903

4. Remove the Top Cover. (Figure 2)
(1) Release the hook (x2) of the Top Cover in the direction of the arrows and remove the Top Cover.

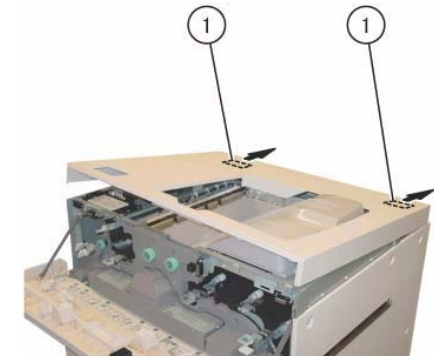


Figure 2 j0sa43904

j0sa43904

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the Top Cover, attach the hook (x2) of the Top Cover to the Tie Plate of the Frame. (Figure 3)

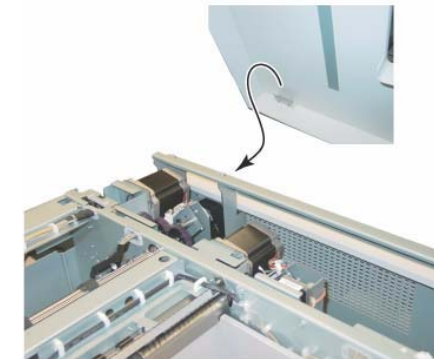


Figure 3 j0sa43905

j0sa43905

REP 39.4.1 Upper Cover

Parts List on PL 39.4

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Open the Upper Cover.
3. Open the 1b Chute.
4. Open the 2b Chute.
5. Remove the Transport Left Inner Cover. (Figure 1)
 - (1) Release the hook to remove the 1a Knob.
 - (2) Remove the screw (x4).
 - (3) Remove the Transport Left Inner Cover.

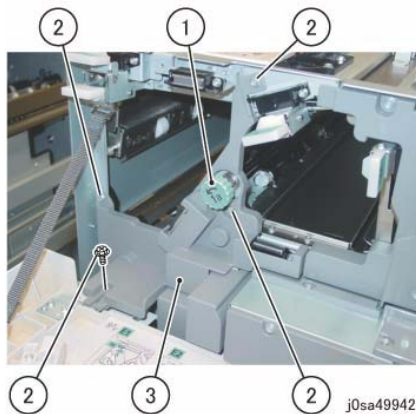


Figure 1 j0sa49942

6. Open the 3b Chute.
7. Remove the Transport Right Inner Cover. (Figure 2)

- (1) Remove the screw (x3).
- (2) Remove the Transport Right Inner Cover.

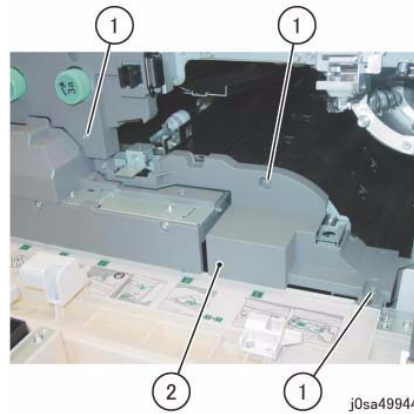


Figure 2 j0sa49944

8. Remove the screw of the stopper (x2). (Figure 3)
 - (1) Remove the screw (x2).

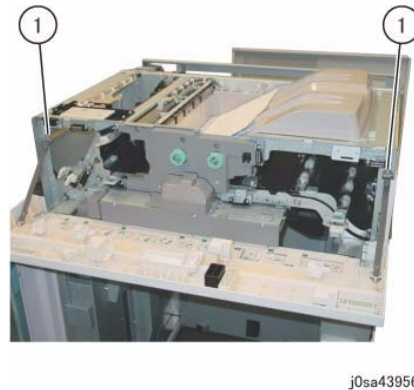


Figure 3 j0sa43956

9. Remove the Upper Cover. (Figure 4)
 - (1) Remove the screw (M4: x6).
 - (2) Remove the Upper Cover.

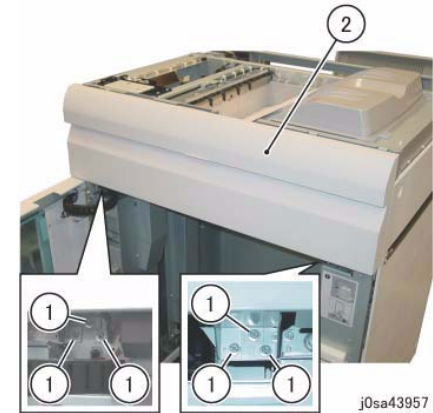


Figure 4 j0sa43957

Replacement

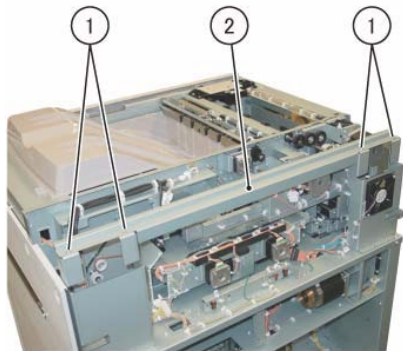
1. To install, carry out the removal steps in reverse order.

REP 39.5.1 HCS Transport Motor 1**Parts List on PL 39.5****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

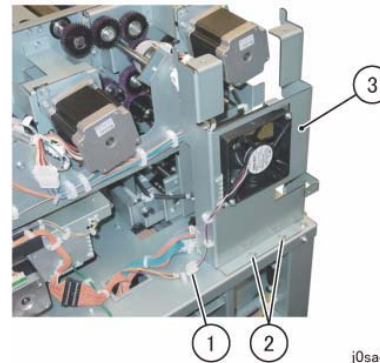
1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Top Cover. (REP 39.2.1)
4. Remove the Tie Plate. (Figure 1)
 - (1) Remove the screw (M4: x4).
 - (2) Remove the Tie Plate.



j0sa43918

Figure 1 j0sa43918

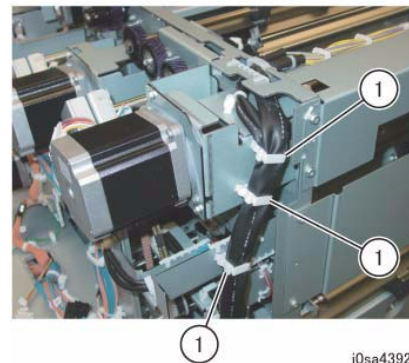
5. Remove the Upper Fan Bracket. (Figure 2)
 - (1) Disconnect the Upper Fan connector.
 - (2) Remove the screw (M4: x2).
 - (3) Remove the Upper Fan Bracket.



j0sa43921

Figure 2 j0sa43921

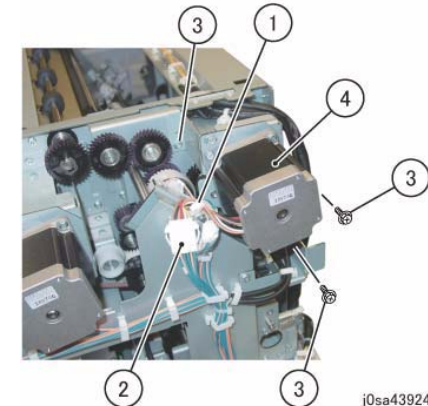
6. Release the clamp and remove the wire harness. (Figure 3)
 - (1) Release the clamp (x3) and remove the wire harness.



j0sa43923

Figure 3 j0sa43923

7. Remove the HCS Transport Motor 1. (Figure 4)
 - (1) Release the clamp and remove the wire harness.
 - (2) Disconnect the connector.
 - (3) Remove the screw (x3).
 - (4) Remove the HCS Transport Motor 1.



j0sa43924

Figure 4 j0sa43924**Replacement**

1. To install, carry out the removal steps in reverse order.

REP 39.5.2 Top Tray Roll 1

Parts List on PL 39.5

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Top Cover. (REP 39.2.1)
4. Disconnect the Gate Solenoid connector (x2). (Figure 1)
 - (1) Release the clamp (x3) and remove the wire harness.
 - (2) Disconnect the connector (blue).
 - (3) Disconnect the connector (white).

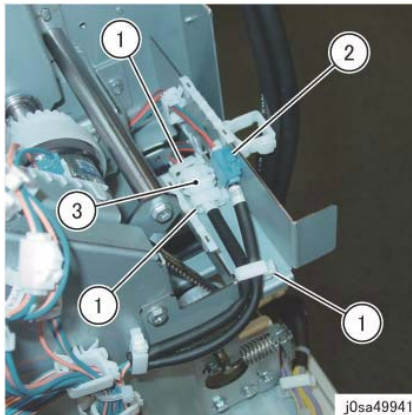


Figure 1 j0sa49941

5. Disconnect the Bypass Clutch 1/2/3, Top Tray Clutch, Transport Clutch, HCS Transport Motor 1/2, and Top Tray Motor connector (x8). (Figure 2)
 - (1) Disconnect the connector (x8).

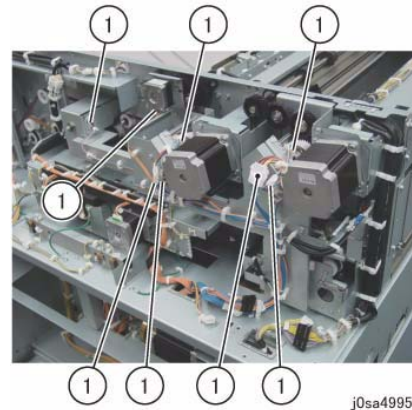


Figure 2 j0sa49957

6. Disconnect the connector (x3) at the bottom of the Harness Bracket. (Figure 3)
 - (1) Release the clamp (x2) and remove the wire harness.
 - (2) Disconnect the connector (x3).

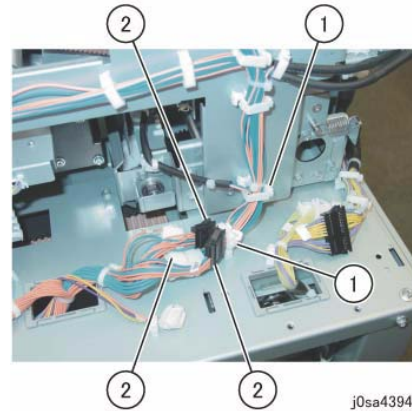


Figure 3 j0sa43940

7. Remove the Harness Bracket. (Figure 4)
 - (1) Remove the screw (x5).
 - (2) Remove the Harness Bracket.

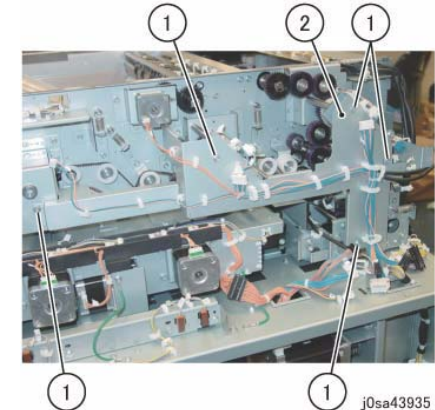


Figure 4 j0sa43935

8. Open the Upper Cover.
9. Open the 1b Chute.
10. Open the 2b Chute.
11. Remove the Transport Left Inner Cover. (Figure 5)
 - (1) Release the hook to remove the 1a Knob.
 - (2) Remove the screw (x4).
 - (3) Remove the Transport Left Inner Cover.

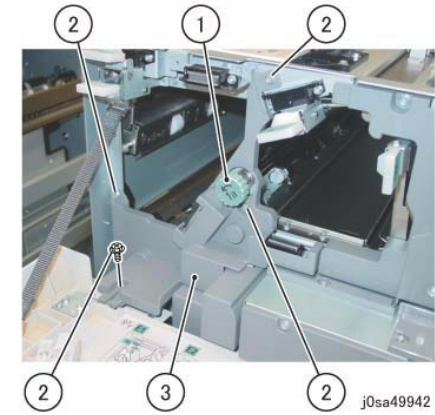


Figure 5 j0sa49942

12. Remove the screw that secures the Top Tray Roll 1. (Figure 6)
 - (1) Affix the spanner (specialized tool) to the collar.
 - (2) Remove the screw.

(3) Remove the collar.

(A) Bearing

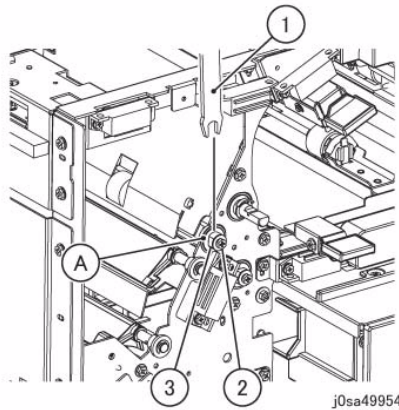


Figure 6 j0sa49954

Reference:

[Color C75 Press]

The spanner (specialized tool) is stored in the I/F Module. (PL 37.1)

[Color J75 Press]

The spanner (specialized tool) is stored in the I/F Cooling Module. (PL 38.1)

13. Remove the gear. (Figure 7)

- (1) Remove the CE-Ring.
- (2) Remove the collar.
- (3) Remove the Torque Limiter.
- (4) Remove the gear.

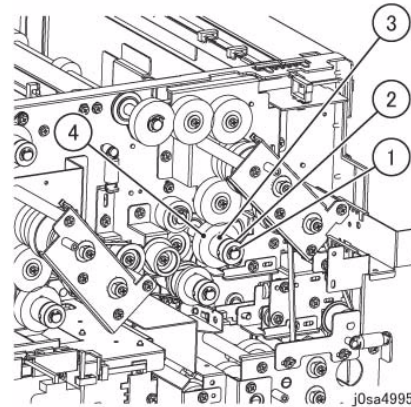


Figure 7 j0sa49955

14. Remove Top Tray Roll 1. (Figure 8)

- (1) Remove the screw and remove the Top Tray Roll 1 in the direction of the arrow.

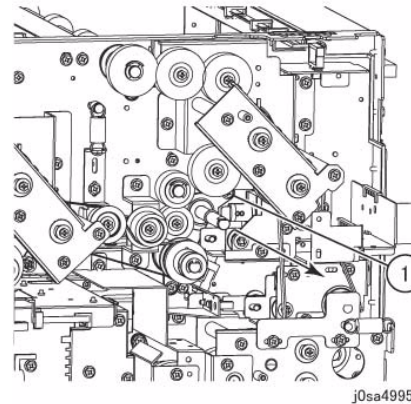


Figure 8 j0sa49956

Replacement

1. To install, carry out the removal steps in reverse order.

REP 39.6.1 Transport Clutch and Belt

Parts List on PL 39.6

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Top Cover. (REP 39.2.1)
4. Remove the HCS Transport Motor 2. (REP 39.7.1)
5. Remove the HCS Transport Motor 1. (REP 39.5.1)
6. Disconnect the Gate Solenoid connector (x2). (Figure 1)
 - (1) Release the clamp (x3) and remove the wire harness.
 - (2) Disconnect the connector (blue).
 - (3) Disconnect the connector (white).

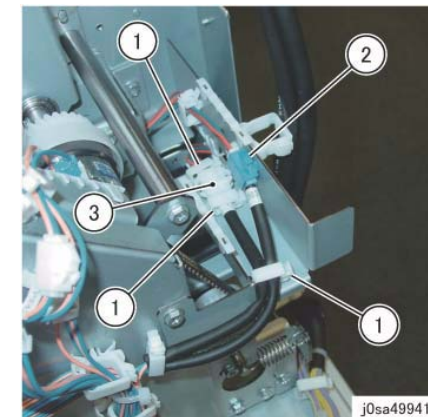


Figure 1 j0sa49941

7. Disconnect the Bypass Clutch 1/2/3, Top Tray Clutch, Transport Clutch, and Top Tray Motor connector (x6). (Figure 2)
 - (1) Disconnect the connector (x2).
 - (2) Disconnect the connector (white: x2).
 - (3) Disconnect the connector (blue: x2).

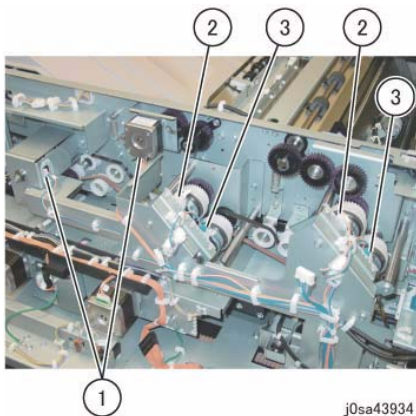


Figure 2 j0sa43934

8. Disconnect the connector (x3) at the bottom of the Harness Bracket. (Figure 3)
 - (1) Release the clamp (x2) and remove the wire harness.
 - (2) Disconnect the connector (x3).

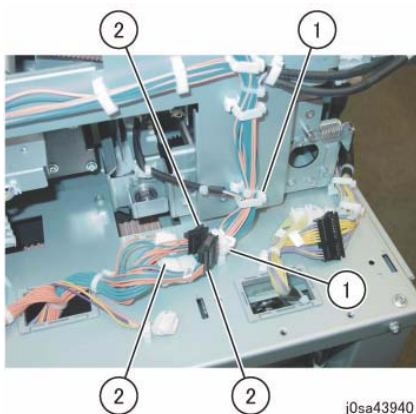


Figure 3 j0sa43940

9. Remove the Harness Bracket. (Figure 4)
 - (1) Remove the screw (x5).

- (2) Remove the Harness Bracket.

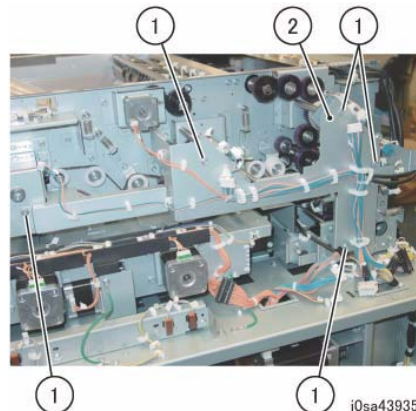


Figure 4 j0sa43935

10. Remove the Tension Pulley. (Figure 5)
 - (1) Remove the spring.
 - (2) Remove the screw (x2).
 - (3) Remove the Tension Pulley.

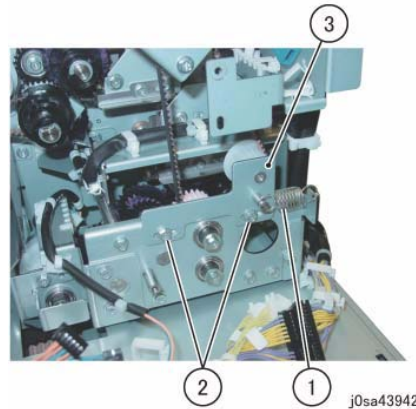


Figure 5 j0sa43942

11. Remove the Harness Bracket. (Figure 6)
 - (1) Release the clamp and remove the wire harness.
 - (2) Remove the screw.
 - (3) Remove the Harness Bracket.

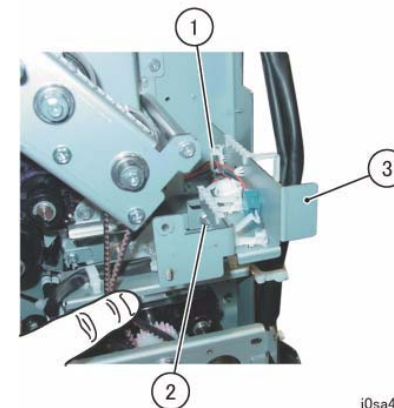


Figure 6 j0sa43943

12. Remove the Harness Bracket. (Figure 7)
 - (1) Release the clamp (x6) and remove the wire harness.
 - (2) Remove the screw (x2).
 - (3) Remove the Harness Bracket.

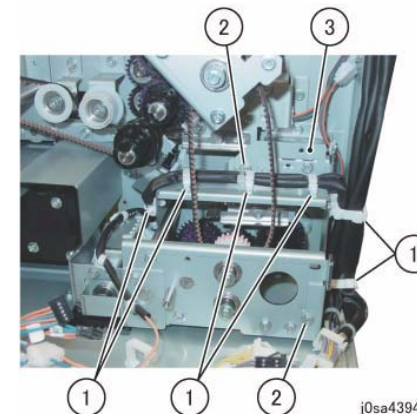


Figure 7 j0sa43944

13. Remove the Paddle Clutch Cover. (Figure 8)
 - (1) Remove the screw.
 - (2) Remove the Paddle Clutch Cover.

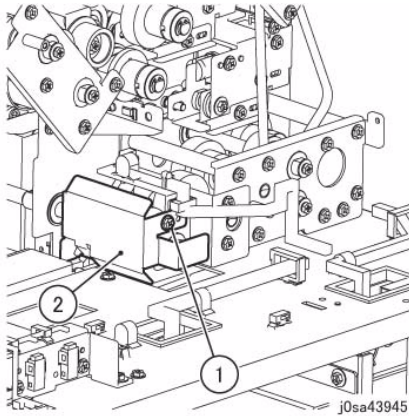


Figure 8 j0sa43945

14. Move the Clutch Bracket. (Figure 9)

- (1) Remove the screw (x2).
- (2) Disconnect the connector.
- (3) Move the Clutch Bracket.

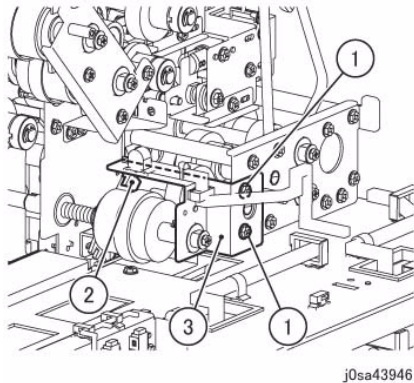


Figure 9 j0sa43946

15. Remove the Bracket. (Figure 10)

- (1) Remove the screw (x5).
- (2) Remove the Bracket.

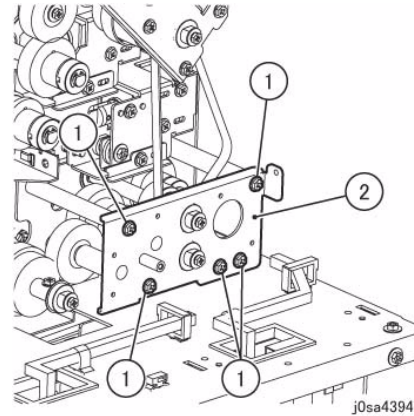


Figure 10 j0sa43947

16. Remove the Clutch Bracket. (Figure 11)

- (1) Remove the screw (x2).
- (2) Remove the Clutch Bracket.

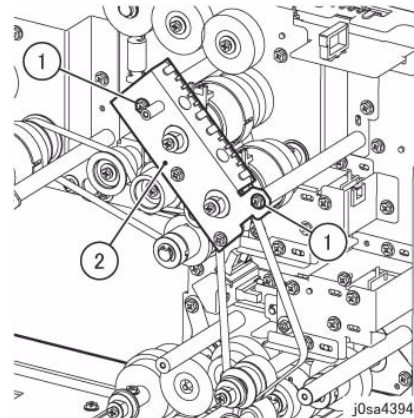


Figure 11 j0sa43948

17. Remove the belt and the Transport Clutch. (Figure 12)

- (1) Remove the belt.
- (2) Remove the Transport Clutch.

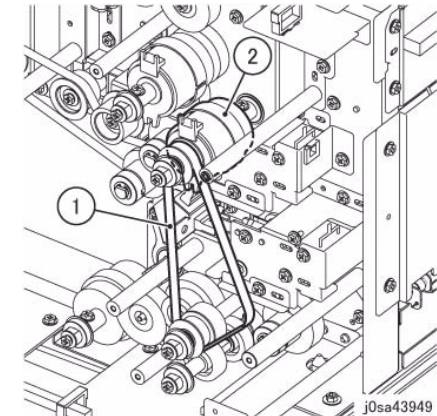


Figure 12 j0sa43949

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the Clutch Bracket of the Transport Clutch, affix the screw of the Clutch Bracket to the cutout of the clutch. (Figure 13)
 - (1) Affix the screw (x2) of the Clutch Bracket to the cutout (x2) of the clutch.

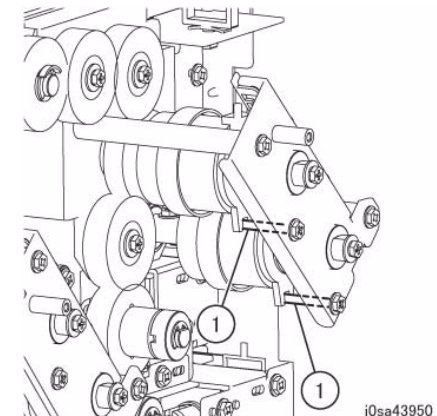


Figure 13 j0sa43950

3. When installing the Paddle Clutch Cover, affix the tab of the Paddle Clutch Cover to the cutout of the clutch. (Figure 14)
 - (1) Affix the tab of the Paddle Clutch Cover to the cutout of the clutch.

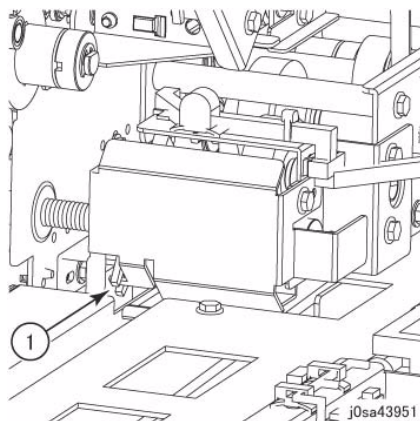


Figure 14 j0sa43951

REP 39.7.1 HCS Transport Motor 2

Parts List on PL 39.7

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Top Cover. (REP 39.2.1)
4. Remove the Tie Plate. (Figure 1)
 - (1) Remove the screw (M4: x4).
 - (2) Remove the Tie Plate.

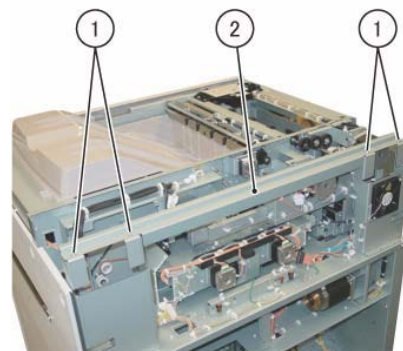


Figure 1 j0sa43918

5. Remove the HCS Transport Motor 2. (Figure 2)
 - (1) Release the clamp and remove the wire harness.
 - (2) Disconnect the connector.
 - (3) Remove the screw (x3).

- (4) Remove the HCS Transport Motor 2.

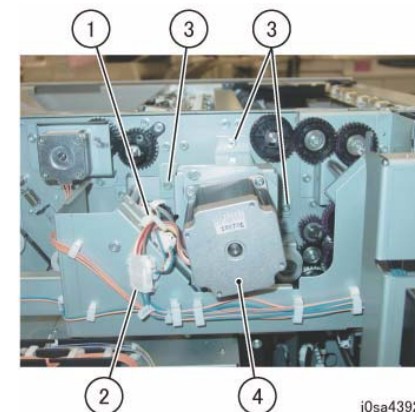


Figure 2 j0sa43920

Replacement

1. To install, carry out the removal steps in reverse order.

REP 39.8.1 Bypass Clutch 1, Bypass Clutch 2 and Belt

Parts List on PL 39.8

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Top Cover. (REP 39.2.1)
4. Remove the HCS Transport Motor 2. (REP 39.7.1)
5. Remove the HCS Transport Motor 1. (REP 39.5.1)
6. Disconnect the Gate Solenoid connector (x2). (Figure 1)
 - (1) Release the clamp (x3) and remove the wire harness.
 - (2) Disconnect the connector (blue).
 - (3) Disconnect the connector (white).

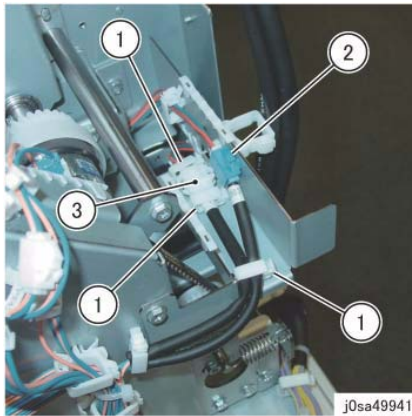


Figure 1 j0sa49941

7. Disconnect the Bypass Clutch 1/2/3, Top Tray Clutch, Transport Clutch, and Top Tray Motor connector (x6). (Figure 2)
 - (1) Disconnect the connector (x2).
 - (2) Disconnect the connector (white: x2).
 - (3) Disconnect the connector (blue: x2).

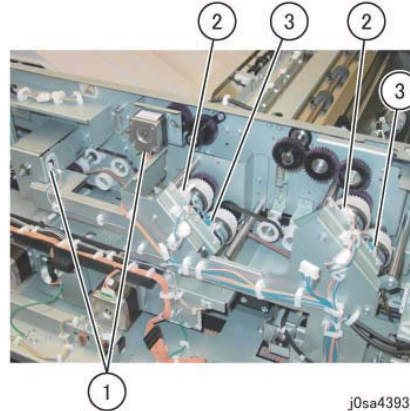


Figure 2 j0sa43934

8. Disconnect the connector (x3) at the bottom of the Harness Bracket. (Figure 3)
 - (1) Release the clamp (x2) and remove the wire harness.
 - (2) Disconnect the connector (x3).

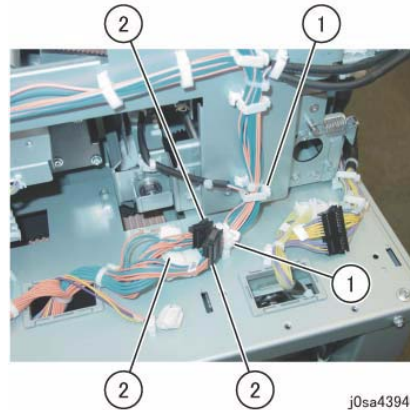


Figure 3 j0sa43940

9. Remove the Harness Bracket. (Figure 4)
 - (1) Remove the screw (x5).

- (2) Remove the Harness Bracket.

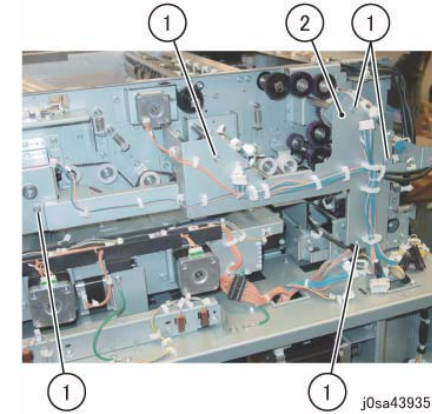


Figure 4 j0sa43935

10. Remove the Tension Pulley. (Figure 5)
 - (1) Remove the spring.
 - (2) Remove the screw.
 - (3) Remove the Tension Pulley.

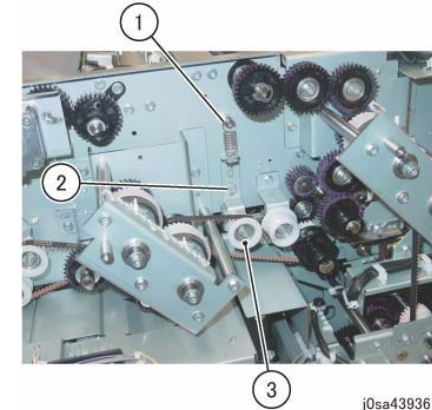


Figure 5 j0sa43936

11. Remove the Clutch Bracket. (Figure 6)
 - (1) Remove the screw (x2).
 - (2) Remove the Clutch Bracket.

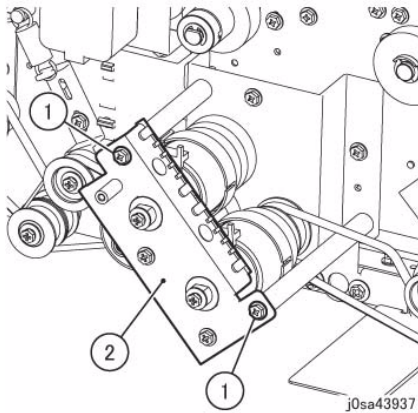


Figure 6 j0sa43937

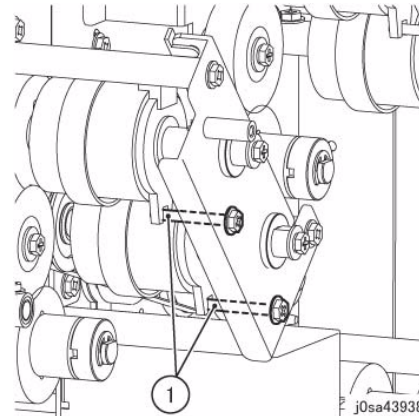


Figure 8 j0sa43938

12. Remove the Bypass Clutch 2, the Bypass Clutch 1, and the belt. (Figure 7)

- (1) Remove the Bypass Clutch 2.
- (2) Remove the Bypass Clutch 1.
- (3) Remove the Belt from the Pulley (x2).

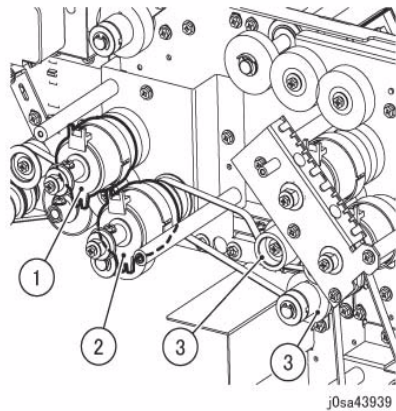


Figure 7 j0sa43939

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the Clutch Bracket, affix the screw of the Clutch Bracket to the cutout of the clutch. (Figure 8)
 - (1) Affix the screw (x2) of the Clutch Bracket to the cutout (x2) of the clutch.

REP 39.9.1 Top Tray Motor

Parts List on PL 39.9

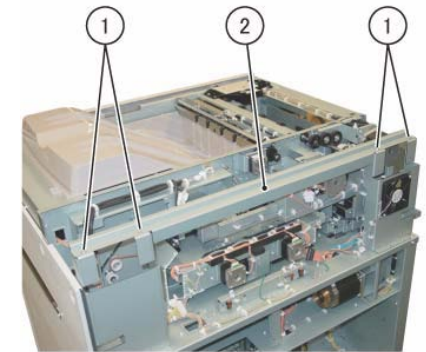
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Top Cover. (REP 39.2.1)
4. Remove the Tie Plate. (Figure 1)
 - (1) Remove the screw (M4: x4).
 - (2) Remove the Tie Plate.



j0sa43918

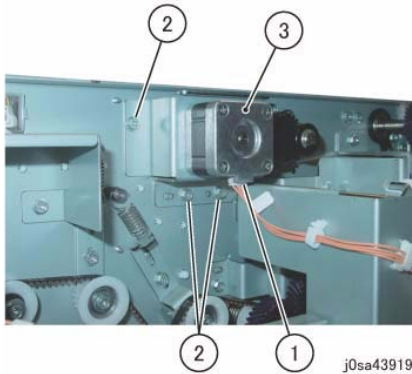
Figure 1 j0sa43918

5. Remove the Top Tray Motor. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Remove the screw (x3).
 - (3) Remove the Top Tray Motor.

REP 39.12.1 Bypass Clutch 3 and Belt**Parts List on PL 39.12****Removal****WARNING**

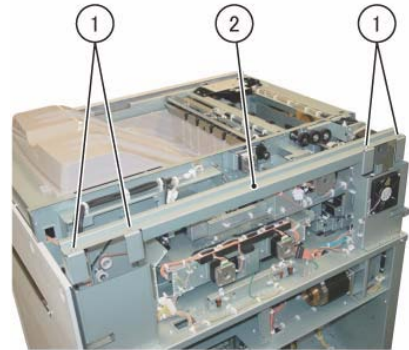
When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

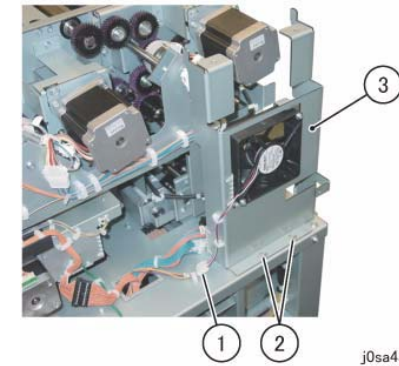
**Figure 2 j0sa43919****Replacement**

- To install, carry out the removal steps in reverse order.

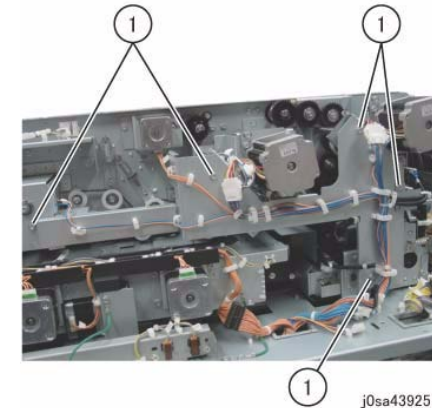
- [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
- Remove the Rear Cover. (REP 39.1.2)
- Remove the Top Cover. (REP 39.2.1)
- Remove the Tie Plate. (Figure 1)
 - Remove the screw (M4: x4).
 - Remove the Tie Plate.

**Figure 1 j0sa43918**

- Remove the Upper Fan Bracket. (Figure 2)
 - Remove the screw (M4: x2).
 - Disconnect the Upper Fan connector.

**Figure 2 j0sa43921**

- Remove the screw that secure the Harness Bracket. (Figure 3)
 - Remove the screw (x5).

**Figure 3 j0sa43925**

- Disconnect the Bypass Clutch 3 and Top Tray Motor connector. (Figure 4)
 - Disconnect the connector (x2).

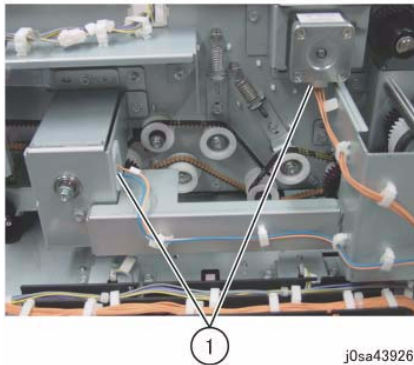


Figure 4 j0sa43926

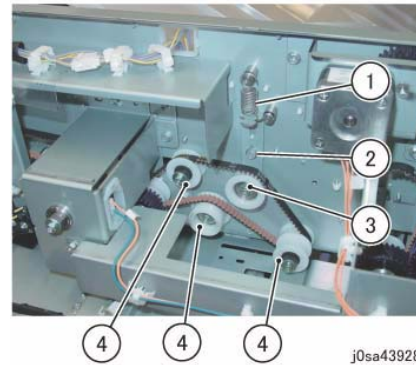


Figure 6 j0sa43928

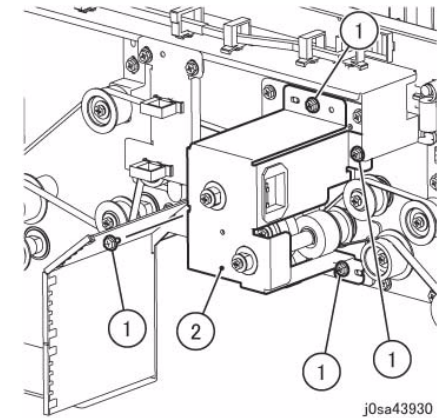


Figure 8 j0sa43930

8. Remove the 2c Knob Belt from the Pulley. (Figure 5)
 - (1) Remove the spring.
 - (2) Remove the screw.
 - (3) Remove the Tension Pulley.
 - (4) Remove the 2c Knob Belt from the Pulley.

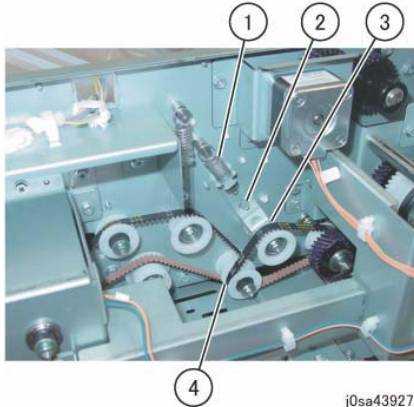


Figure 5 j0sa43927

9. Remove the 3a Knob Belt from the Pulley. (Figure 6)
 - (1) Remove the spring.
 - (2) Remove the screw.
 - (3) Remove the Tension Pulley.
 - (4) Remove the 3a Knob Belt from the Pulley (x3).

10. Remove the Bypass Transport Belt from the Pulley. (Figure 7)
 - (1) Remove the spring.
 - (2) Remove the screw.
 - (3) Remove the Tension Pulley.
 - (4) Remove the Bypass Transport Belt from the Pulley (x5).

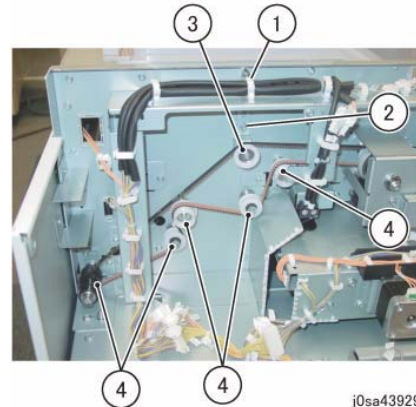


Figure 7 j0sa43929

11. Remove the Clutch Bracket. (Figure 8)
 - (1) Remove the screw (x4).
 - (2) Remove the Clutch Bracket.

12. Remove the Bypass Clutch 3. (Figure 9)
 - (1) Remove the Bypass Clutch 3.
 - (2) Remove the Bypass Transport Belt.

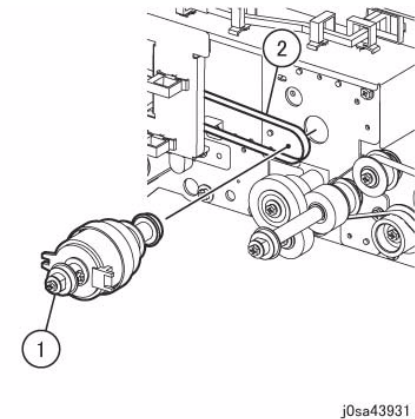
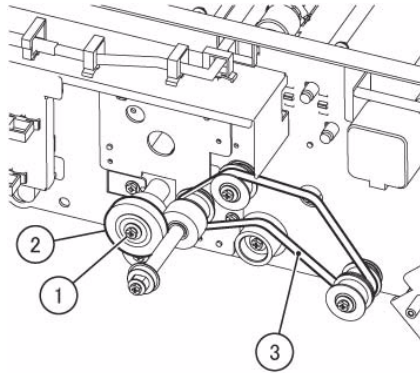


Figure 9 j0sa43931

13. Remove the 3a Knob Belt. (Figure 10)
 - (1) Remove the screw.
 - (2) Remove the gear.
 - (3) Remove the 3a Knob Belt.

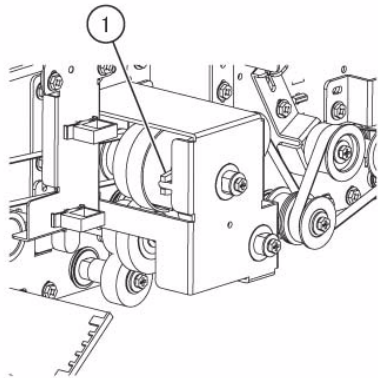


j0sa43932

Figure 10 j0sa43932

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the Clutch Bracket, affix the tab of the Clutch Bracket to the cutout of the Bypass Clutch 3. (Figure 11)
 - (1) Affix the tab of the Clutch Bracket to the cutout of the Bypass Clutch 3.



j0sa43933

Figure 11 j0sa43933

**REP 39.23.1 Gate Solenoid 1 and Gate 1
Parts List on PL 39.23**

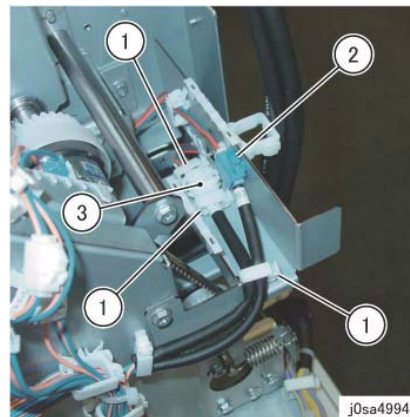
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

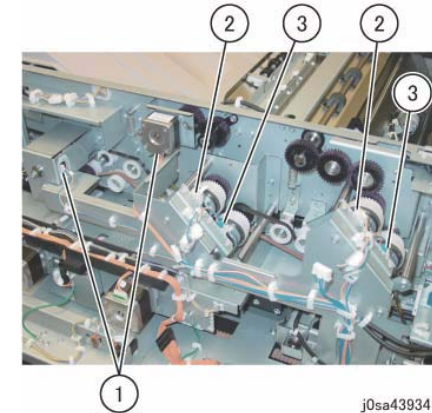
1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Top Cover. (REP 39.2.1)
4. Remove the HCS Transport Motor 2. (REP 39.7.1)
5. Remove the HCS Transport Motor 1. (REP 39.5.1)
6. Disconnect the Gate Solenoid connector (x2). (Figure 1)
 - (1) Release the clamp (x3) and remove the wire harness.
 - (2) Disconnect the connector (blue).
 - (3) Disconnect the connector (white).



j0sa49941

Figure 1 j0sa49941

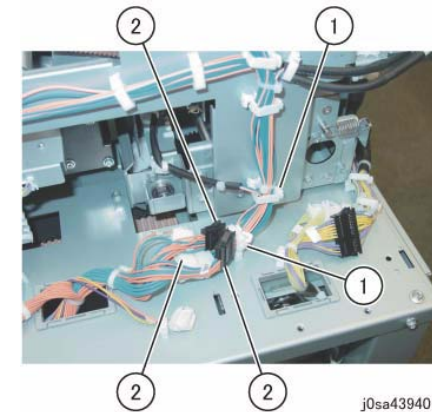
7. Disconnect the Bypass Clutch 1/2/3, Top Tray Clutch, Transport Clutch, and Top Tray Motor connector (x6). (Figure 2)
 - (1) Disconnect the connector (x2).
 - (2) Disconnect the connector (white: x2).
 - (3) Disconnect the connector (blue: x2).



j0sa43934

Figure 2 j0sa43934

8. Disconnect the connector (x3) at the bottom of the Harness Bracket. (Figure 3)
 - (1) Release the clamp (x2) and remove the wire harness.
 - (2) Disconnect the connector (x3).



j0sa43940

Figure 3 j0sa43940

9. Remove the Harness Bracket. (Figure 4)
 - (1) Remove the screw (x5).

(2) Remove the Harness Bracket.

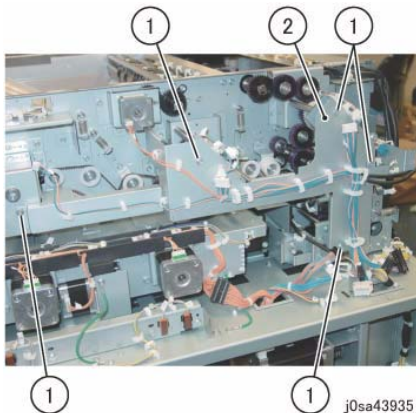


Figure 4 j0sa43935

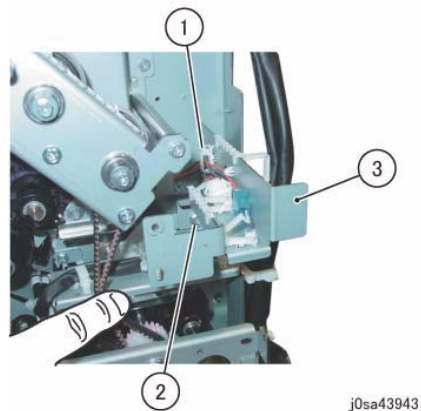


Figure 6 j0sa43943

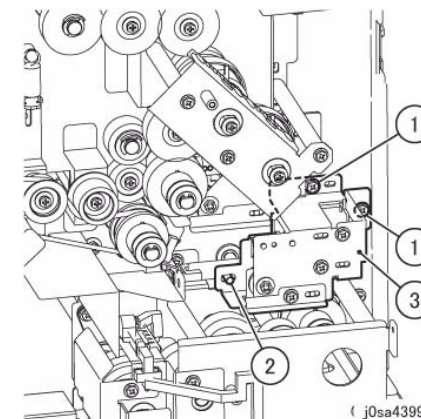


Figure 8 j0sa43995

10. Remove the Tension Pulley. (Figure 5)

- (1) Remove the spring.
- (2) Remove the screw (x2).
- (3) Remove the Tension Pulley.

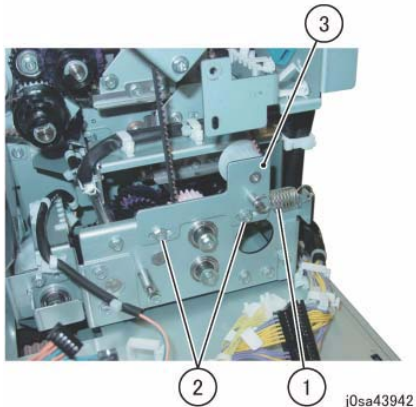


Figure 5 j0sa43942

12. Remove the Harness Bracket. (Figure 7)

- (1) Release the clamp (x6) and remove the wire harness.
- (2) Remove the screw (x2).
- (3) Remove the Harness Bracket.

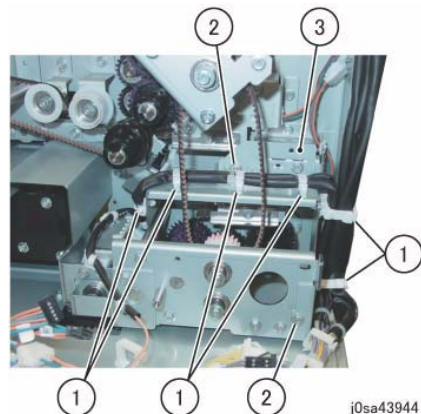


Figure 7 j0sa43944

14. Remove the Actuator Plate and the Bearing. (Figure 9)

- (1) Remove the screw.
- (2) Remove the Actuator Plate.
- (3) Remove the E-Clip.
- (4) Remove the Bearing.

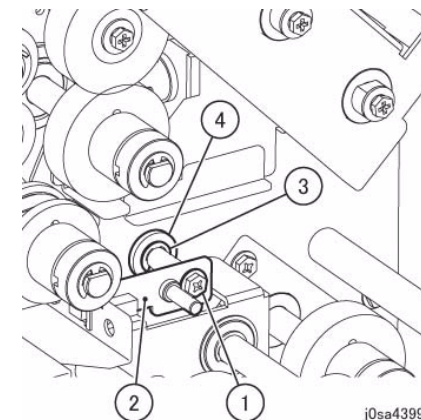


Figure 9 j0sa43996

11. Remove the Harness Bracket. (Figure 6)

- (1) Release the clamp and remove the wire harness.
- (2) Remove the screw.
- (3) Remove the Harness Bracket.

13. Remove the Gate Solenoid 1. (Figure 8)

- (1) Remove the screw (x2).
- (2) Remove the link from the pin.
- (3) Remove the Gate Solenoid 1.

15. Open the 1b Chute.

16. Remove the Gate 1. (Figure 10)

- (1) Remove the E-Clip.
- (2) Remove the Bearing.
- (3) Remove the Gate 1.

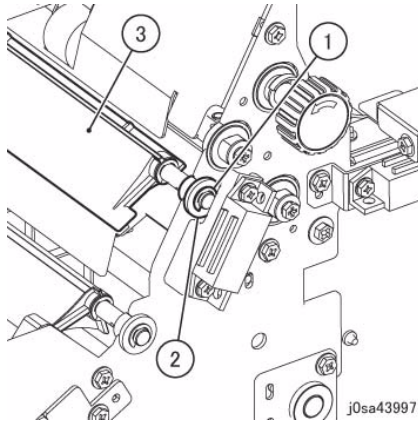


Figure 10 j0sa43997

Replacement

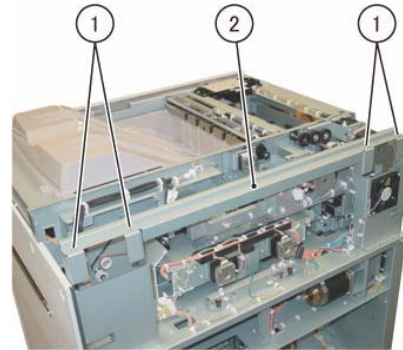
- To install, carry out the removal steps in reverse order.

REP 39.24.1 Stacker Paddle Clutch**Parts List on PL 39.24****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

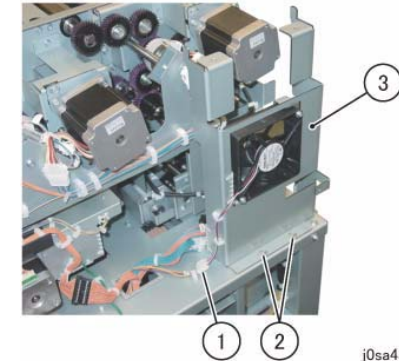
- [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
- Remove the Rear Cover. (REP 39.1.2)
- Remove the Top Cover. (REP 39.2.1)
- Remove the Tie Plate. (Figure 1)
 - Remove the screw (M4: x4).
 - Remove the Tie Plate.



j0sa43918

Figure 1 j0sa43918

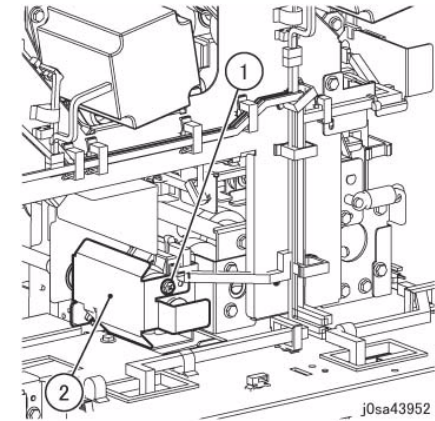
- Remove the Upper Fan Bracket. (Figure 2)
 - Remove the screw (M4: x2).
 - Disconnect the Upper Fan connector.



j0sa43921

Figure 2 j0sa43921

- Remove the Paddle Clutch Cover. (Figure 3)
 - Remove the screw.
 - Remove the Paddle Clutch Cover.



j0sa43952

Figure 3 j0sa43952

- Move the Clutch Bracket. (Figure 4)
 - Remove the screw (x2).
 - Move the Clutch Bracket.
 - Disconnect the connector.

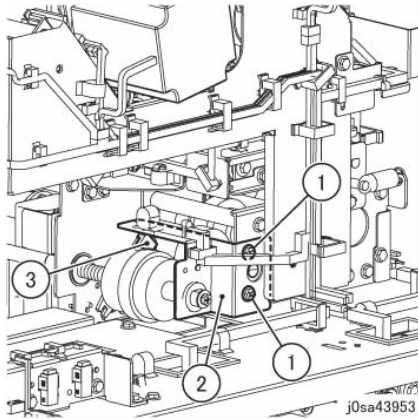


Figure 4 j0sa43953

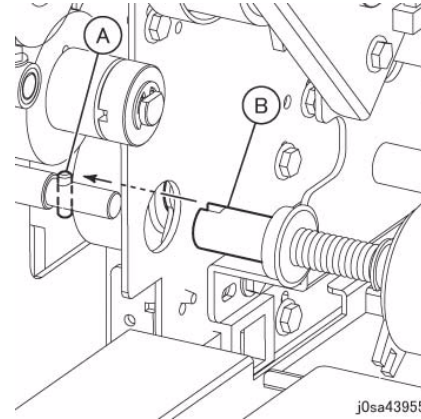


Figure 6 j0sa43955

8. Remove the Stacker Paddle Clutch. (Figure 5)
 - (1) Remove the Stacker Paddle Clutch.

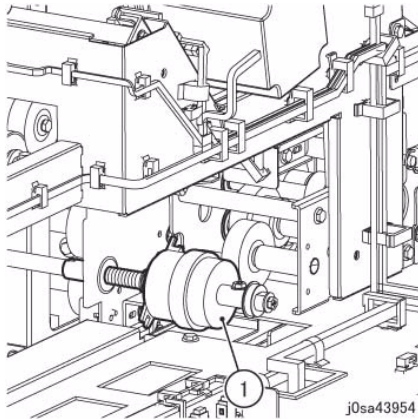


Figure 5 j0sa43954

3. When installing the Paddle Clutch Cover, affix the tab of the Paddle Clutch Cover to the cutout of the clutch. (Figure 7)
 - (1) Affix the tab of the Paddle Clutch Cover to the cutout of the clutch.

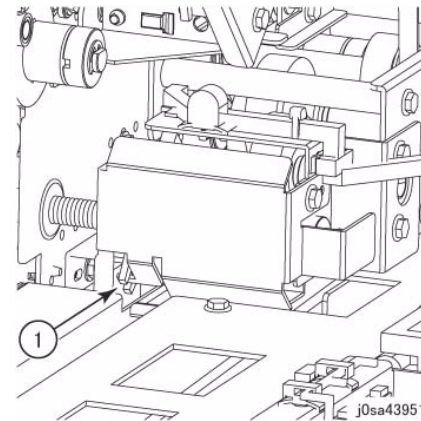


Figure 7 j0sa43951

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the Stacker Paddle Clutch, align the cutout of the Paddle Clutch Shaft in the direction of the pin of the Stacker Paddle Shaft. (Figure 6)
 - (A) Pin
 - (B) Cutout

REP 39.24.2 Paddle

Parts List on PL 39.24

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Dolly and the Stacker Tray.
2. Remove the Upper Cover. (REP 39.4.1)
3. Remove the Stacker Chute. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the Stacker Chute.

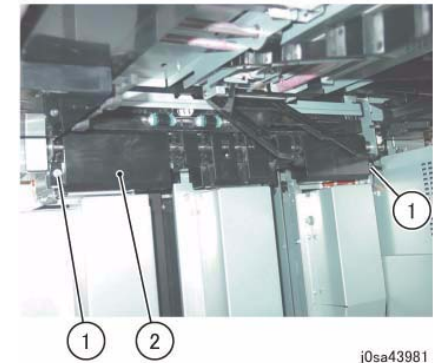


Figure 1 j0sa43981

4. Remove the Motor Cover. (Figure 2)
 - (1) Remove the screw (x3).
 - (2) Remove the Motor Cover.

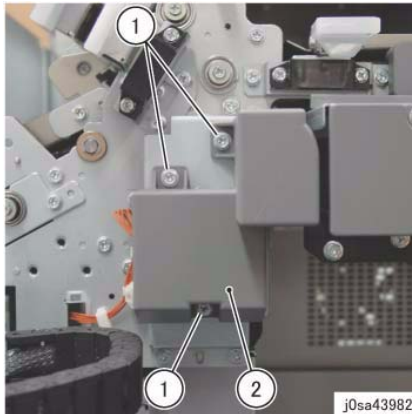


Figure 2 j0sa43982

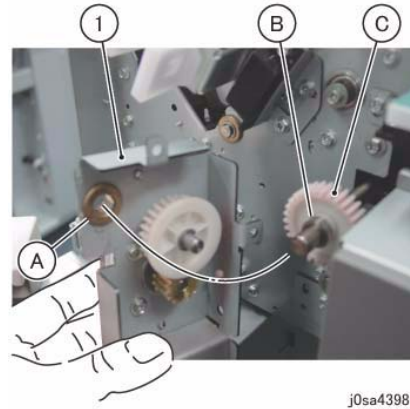


Figure 4 j0sa43984

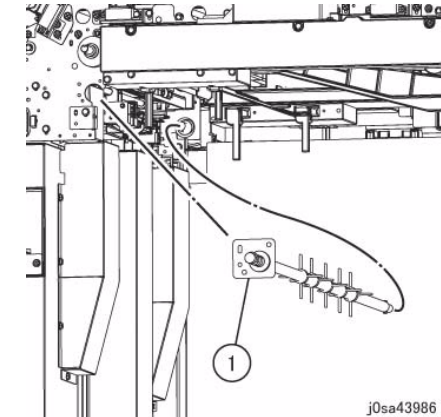


Figure 6 j0sa43986

5. Remove the screw that secure the Motor Bracket. (Figure 3)
 - (1) Release the clamp and remove the wire harness.
 - (2) Disconnect the connector.
 - (3) Remove the cable band.
 - (4) Remove the screw (x4).

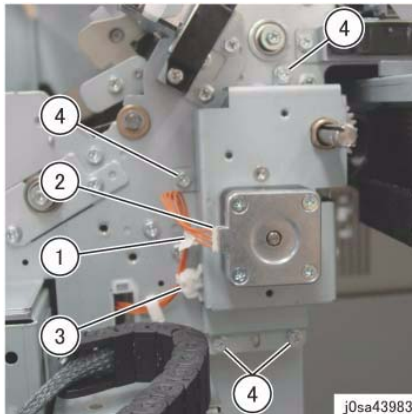


Figure 3 j0sa43983

7. Remove the screw that secure the Bearing Plate. (Figure 5)
 - (1) Remove the screw (x2).

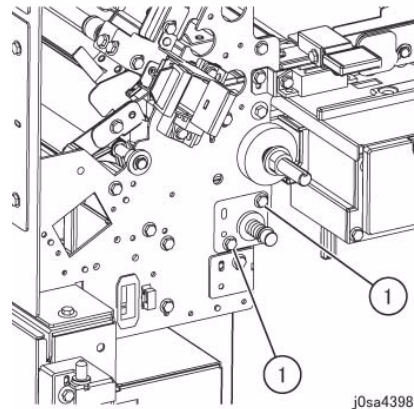


Figure 5 j0sa43985

8. Remove the Paddle. (Figure 6)
 - (1) Remove the Paddle.

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the Paddle, align the pin of the paddle to the cutout of the Paddle Clutch Sleeve. (Figure 7)
 - (A) Cutout of sleeve
 - (B) Pin

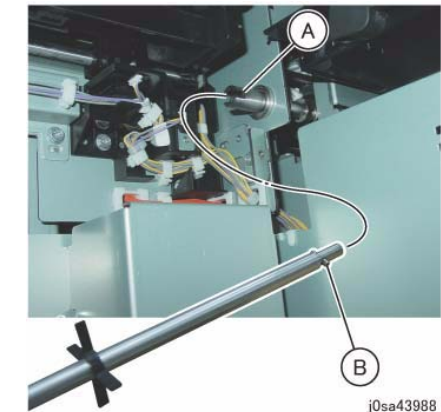


Figure 7 j0sa43988

6. Remove the Motor Bracket. (Figure 4)
 - (1) Remove the Motor Bracket.
 - (A) Bearing
 - (B) Collar
 - (C) Gear

3. When installing the Motor Bracket, make sure that the gear teeth are interlocked. (Figure 4)
4. After replacement, enter Diag Mode and clear the [DC135 HFSI] counter.
"Chain-Link: 960-800"

REP 39.25.1 Stacker Exit Roll Housing

Parts List on PL 39.25

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Upper Cover. (REP 39.4.1)
4. Remove the Tamper Unit. (REP 39.28.1)
5. Remove the Stacker Chute. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Remove the Stacker Chute.

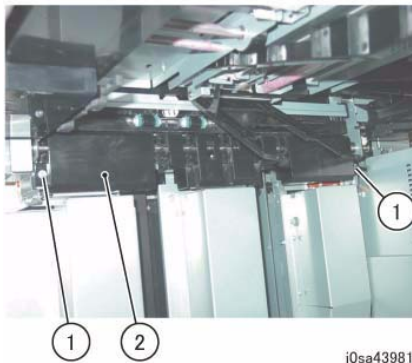


Figure 1 j0sa43981

6. Remove the Motor Cover. (Figure 2)
 - (1) Remove the screw (x3).
 - (2) Remove the Motor Cover.

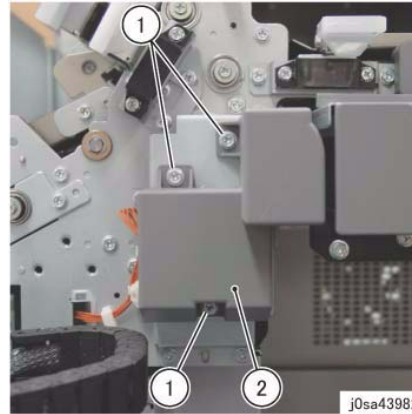


Figure 2 j0sa43982

7. Remove the screw that secure the Motor Bracket. (Figure 3)
 - (1) Release the clamp and remove the wire harness.
 - (2) Disconnect the connector.
 - (3) Remove the cable band.
 - (4) Remove the screw (x4).

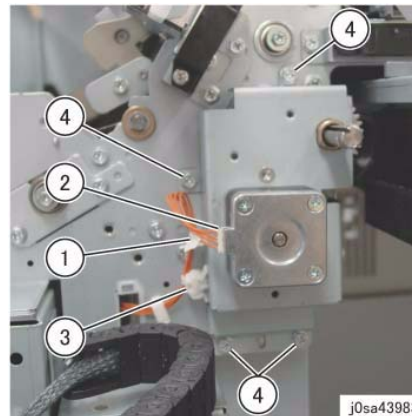


Figure 3 j0sa43983

8. Remove the Motor Bracket. (Figure 4)
 - (1) Remove the Motor Bracket.
 - (A) Bearing
 - (B) Collar
 - (C) Gear

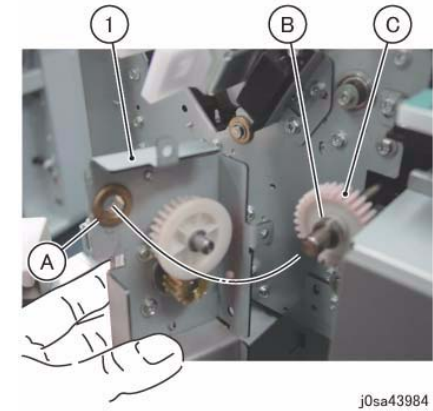


Figure 4 j0sa43984

9. Remove the Stacker Exit Roll Housing. (Figure 5)
 - (1) Remove the screw (M4: x2).
 - (2) Remove the Stacker Exit Roll Housing.

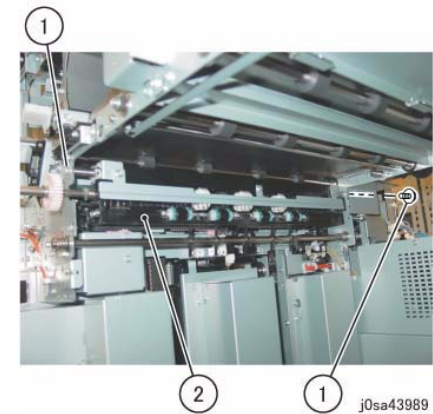


Figure 5 j0sa43989

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the Stacker Exit Roll Housing, insert the Bearing (x2) of the Stacker Exit Roll Housing into the Rail of the frame. (Figure 6)

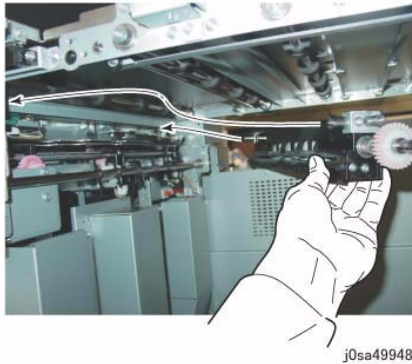


Figure 6 j0sa49948

3. When installing the Stacker Exit Roll Housing, insert the actuator of the Stacker Exit Roll Housing into Sensor Gap. (Figure 7)
(A) Sensor Gap
(B) Actuator

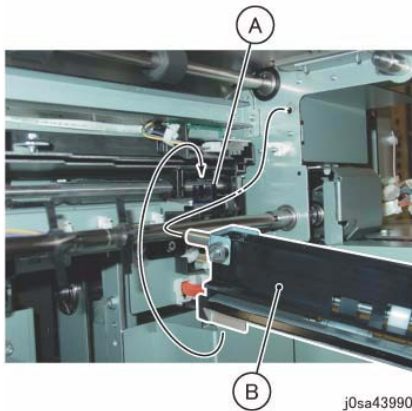


Figure 7 j0sa43990

4. When installing the Stacker Exit Roll Housing, interlock the Rack Gear of the Stacker Exit Roll Housing. (Figure 8)
(A) Gear (Small)
(B) Rack Gear

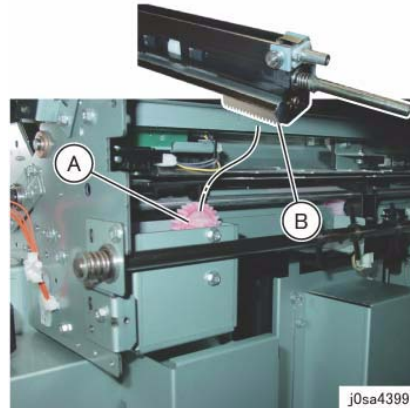


Figure 8 j0sa43991

5. When installing the Motor Bracket, make sure that the gear teeth are interlocked. (Figure 4)

REP 39.25.2 Edge Sensor Frame

Parts List on PL 39.25

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Upper Cover. (REP 39.4.1)
4. Remove the Tamper Unit. (REP 39.28.1)
5. Remove the Paddle. (REP 39.24.2)
6. Remove the Stacker Exit Roll Housing. (REP 39.25.1)
7. Remove the Left Front Duct. (Figure 1)
 - (1) Remove the screw (x4).
 - (2) Remove the Left Front Duct.

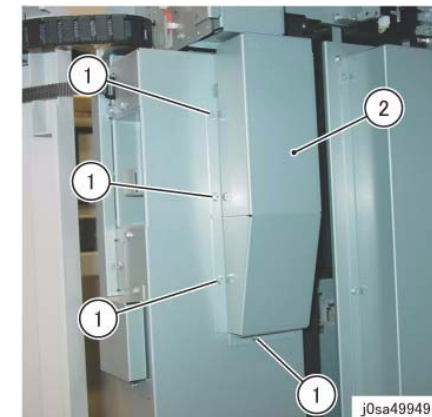


Figure 1 j0sa49949

8. Remove the Left Rear Duct. (Figure 2)

- (1) Remove the screw (x4).
- (2) Remove the Left Rear Duct.



Figure 2 j0sa49950



Figure 4 j0sa49907

- (1) Remove the screw (x2).
- (2) Remove the Harness Cover.
- (3) Release the clamp and remove the wire harness.
- (4) Remove the screw of the Front Door Stopper.

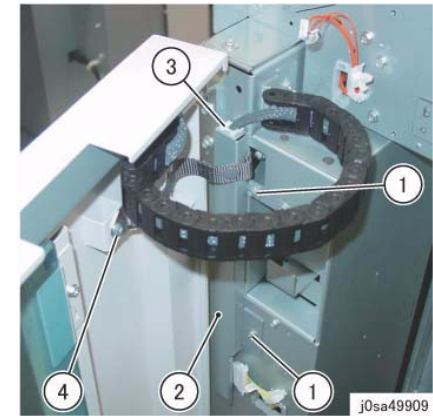


Figure 6 j0sa49909

- 9. Remove the Stacker Rear Cover. (Figure 3)
 - (1) Remove the screw (x7).
 - (2) Remove the Stacker Rear Cover.

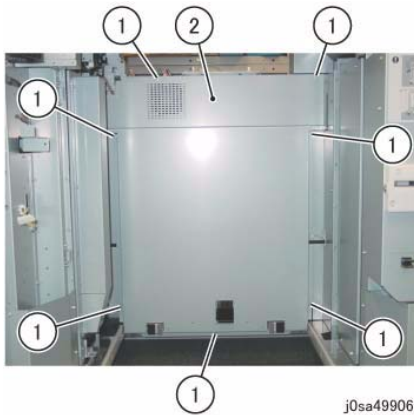


Figure 3 j0sa49906

- 11. Remove the Connector Cover of the Stacker Left Front Cover. (Figure 5)
 - (1) Remove the screw (x2).
 - (2) Remove the Connector Cover.

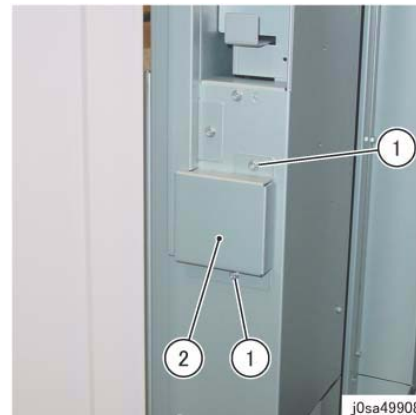


Figure 5 j0sa49908

- 13. Disconnect the connector. (Figure 7)
 - (1) Release the clamp (x3) and remove the wire harness.
 - (2) Disconnect the connector.

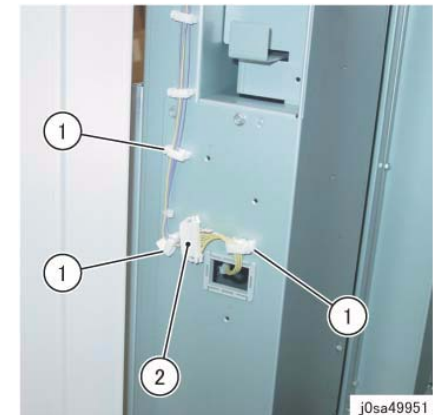


Figure 7 j0sa49951

- 10. Remove the Stacker Left Rear Cover. (Figure 4)
 - (1) Remove the screw (x5).
 - (2) Remove the Stacker Left Rear Cover.

- 12. Remove the Harness Cover. (Figure 6)

- 14. Remove the Stacker Left Front Cover. (Figure 8)
 - (1) Remove the screw (x5).
 - (2) Insert the Connector Housing into the square hole.

- (3) Pull the Docking Lever.
- (4) Remove the Stacker Left Front Cover.

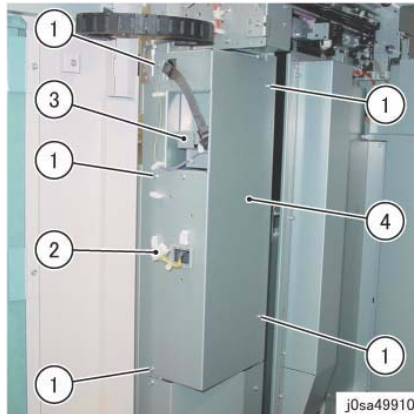


Figure 8 j0sa49910

- 15. Remove the Rail. (Figure 9)
 - (1) Remove the screw (x2).
 - (2) Remove the Rail.

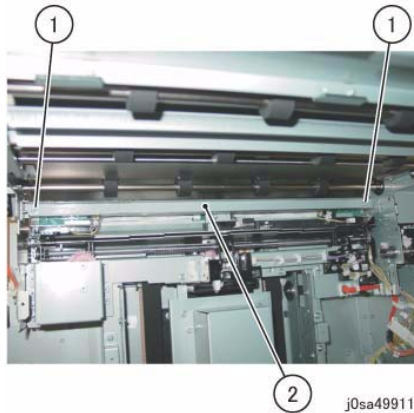


Figure 9 j0sa49911

- 16. Remove the Bracket. (Figure 10)
 - (1) Remove the screw (x2).
 - (2) Remove the Bracket (x2).
 - (3) Release the clamp and remove the wire harness.

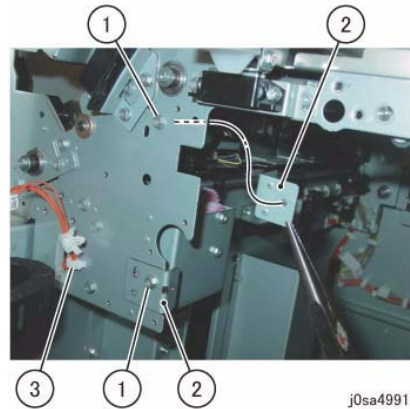


Figure 10 j0sa49912

- 17. Disconnect the connector at the rear of the Edge Sensor Frame. (Figure 11)
 - (1) Disconnect the connector (x3).
 - (2) Release the clamp (x4) and remove the wire harness.

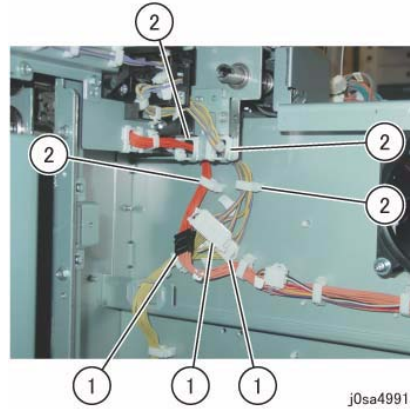


Figure 11 j0sa49913

- 18. Remove the screw that secure the Edge Sensor Frame. (Figure 12)
 - (1) Remove the screw (x4).

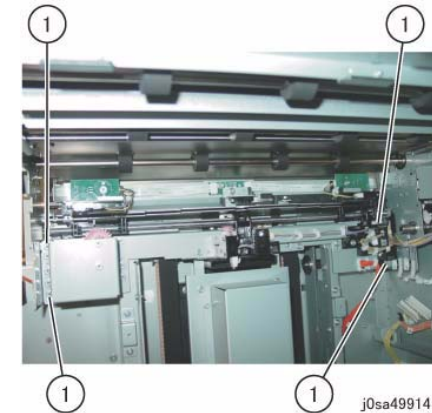


Figure 12 j0sa49914

- 19. Remove the Edge Sensor Frame. (Figure 13)
 - (1) Remove the Edge Sensor Frame.
 - (2) Remove the wire harness through the hole.

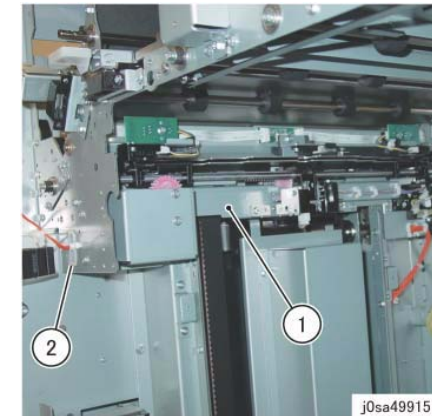


Figure 13 j0sa49915

- 20. The removed Edge Sensor Frame and screw (x4). (Figure 14)

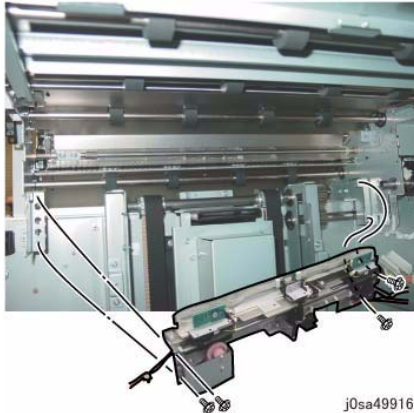


Figure 14 j0sa49916

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the Stacker Left Front Cover, check that the Docking Lever is moving smoothly. (Figure 15)
(A) Docking Lever



Figure 15 j0sa49917

REP 39.28.1 Tamper Unit

Parts List on PL 39.28

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Upper Cover. (REP 39.4.1)
4. Remove the Dolly and the Stacker Tray.
5. If unable to remove the Stacker Tray, rotate the disk of the Elevator Motor in CCW direction to lower the Stacker Tray by approx. 20 cm. (Figure 1)
(A) Elevator Motor

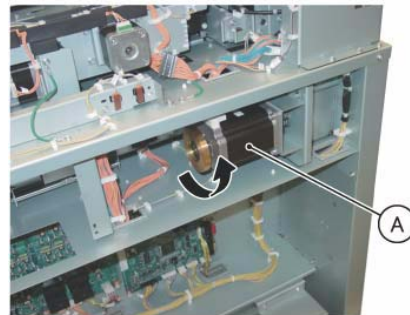


Figure 1 j0sa43958

6. Remove the Stacker Tray.
7. Disconnect the connector at the rear of the Tamper Unit. (Figure 2)

- (1) Remove the screw of the Ground Wire.
- (2) Disconnect the connector (x3).

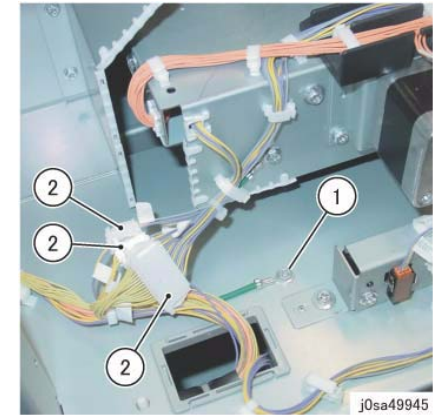


Figure 2 j0sa49945

8. Disconnect the connector at the rear of the Tamper Unit. (Figure 3)
(1) Remove the screw (x2) of the Ground Wire.
(2) Disconnect the connector.

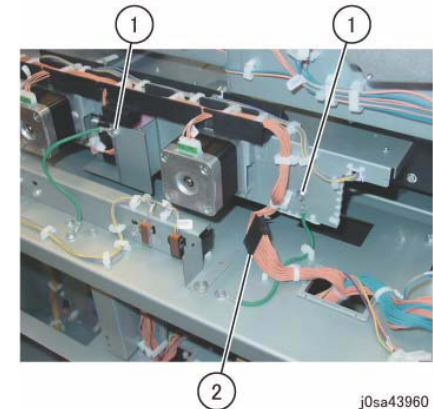


Figure 3 j0sa43960

9. Remove the Transport Center Inner Cover. (Figure 4)
(1) Remove the screw (x5).
(2) Remove the Transport Center Inner Cover.

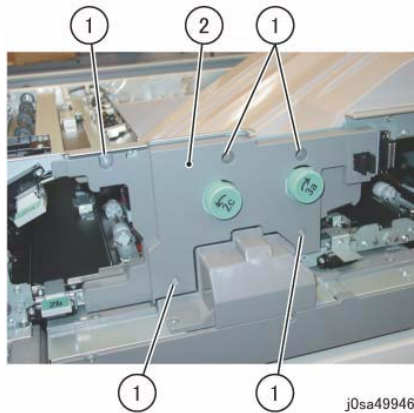


Figure 4 j0sa49946

10. Remove the Pin Bracket at the front of the Tamper Unit. (Figure 5)
- (1) Remove the screw (M4: x4).
 - (2) Remove the Pin Bracket (x2).

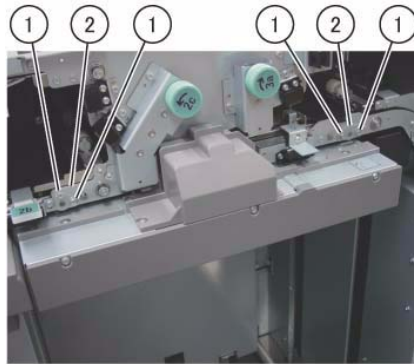


Figure 5 j0sa43961

11. The removal direction for the Tamper Unit. (Figure 6)

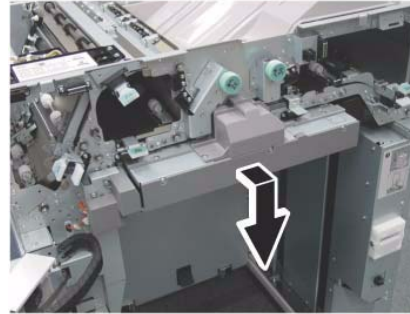


Figure 6 j0sa43962

12. Remove the Tamper Unit by holding onto the metallic part at the bottom of the Tamper Unit. (Figure 7)
- (1) Pull the Tamper unit slightly towards you and release it from the pin (x2) at the inner side.
 - (2) Remove the Tamper Unit from the hook (x6) of the Center Bracket.

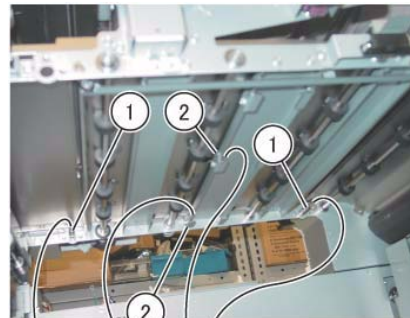


Figure 7 j0sa43963

13. Turn the removed Tamper Unit upside down. (Figure 8)

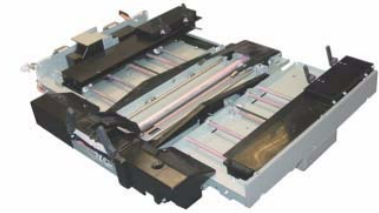


Figure 8 j0sa43964

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the Tamper Unit, attach it to the hook (x6) of the Center Bracket, and then affix it to the pin (x2) at the inner side. (Figure 7)
3. When installing the Stacker Tray, align the hole of the Stacker Tray to the pin of the Arm Tray. (Figure 9)
 - (A) Pin
 - (B) Hole

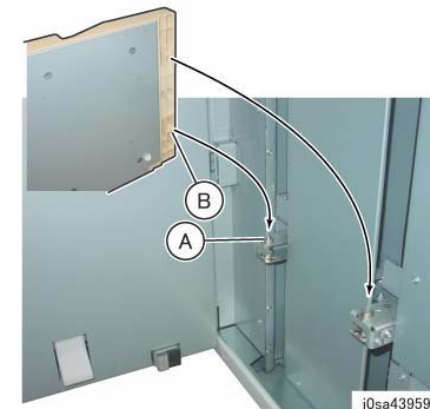


Figure 9 j0sa43959

REP 39.29.1 Front Tamper Motor, Belt and Pulley Bracket

Parts List on PL 39.29

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Upper Cover. (REP 39.4.1)
4. Remove the Tamper Unit. (REP 39.28.1)
5. Turn the Tamper Unit upside down.
6. Store the Extension Pads. (Figure 1)
 - (1) Use tape to hold the Extension Pad (x6) and store them.

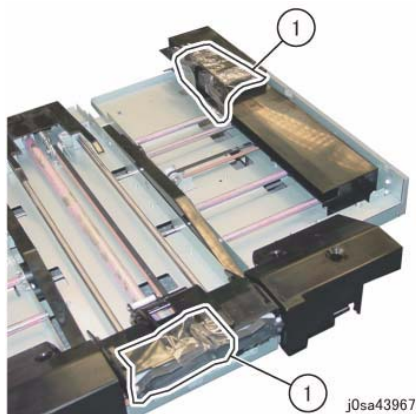


Figure 1 j0sa43967

7. Move the Front Tamper Base in the direction of the arrow and move the Belt Clamp to the square hole of the Frame. (Figure 2)
 - (A) Belt Clamp
 - (B) Square Hole

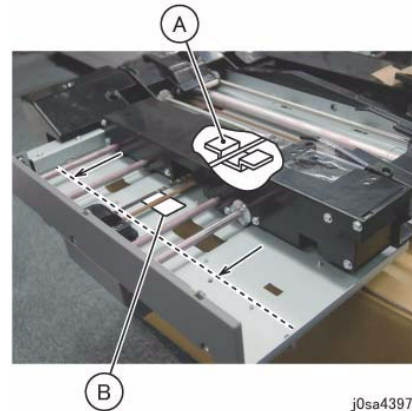


Figure 2 j0sa43973

8. Return the Tamper Unit to the upright position.
9. Remove the Belt Clamp. (Figure 3)
 - (1) Remove the screw.
 - (2) Remove the Plate.
 - (3) Remove the Tapping Screw (x2).
 - (4) Remove the Belt Clamp.

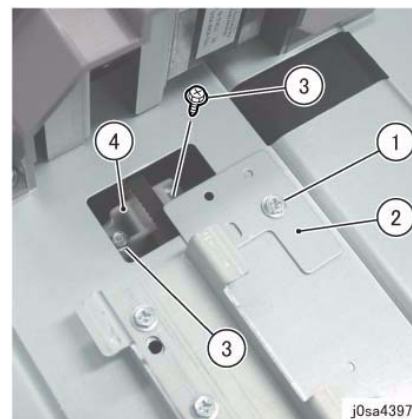


Figure 3 j0sa43974

10. Turn the Tamper Unit upside down.
11. Remove the Pulley Bracket. (Figure 4)
 - (1) Remove the screw (x2).
 - (2) Remove the Pulley Bracket and the spring.
 - (A) Spring

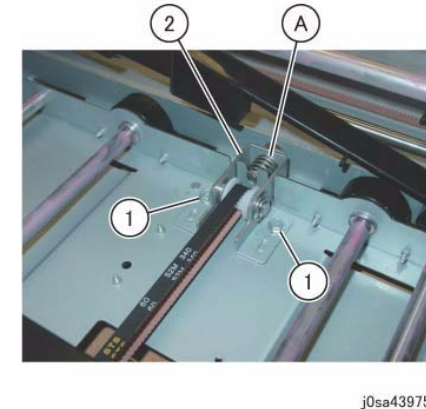


Figure 4 j0sa43975

12. Move the Pulley Bracket towards the Front Tamper Motor. (Figure 5)
 - (1) Store the Pulley Bracket into the square hole.
 - (2) Move the Front Tamper Base in the direction of the arrow.

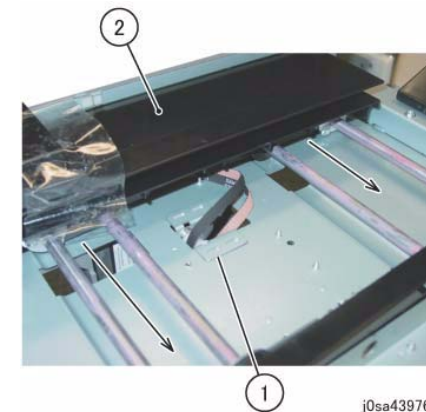


Figure 5 j0sa43976

13. Remove the Gear Cover. (Figure 6)
 - (1) Remove the screw.

- (2) Remove the Gear Cover.

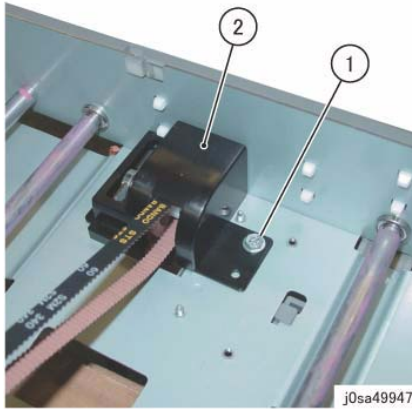


Figure 6 j0sa49947

14. Return the Tamper Unit to the upright position.
15. Remove the Motor Cover. (Figure 7)
(1) Remove the screw (x4).
(2) Remove the Motor Cover.

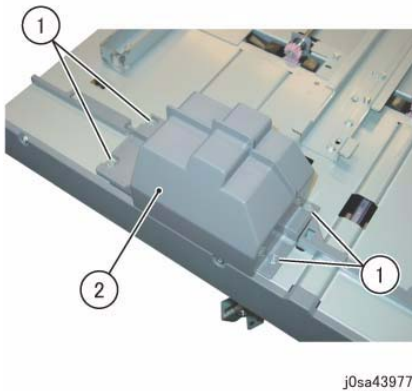


Figure 7 j0sa43977

16. Remove the Front Tamper Motor, the Belt, and the Pulley Bracket. (Figure 8)
(1) Release the clamp and remove the wire harness.
(2) Disconnect the connector.
(3) Remove the screw (x2).

- (4) Remove the Front Tamper Motor, the Belt, and the Pulley Bracket.

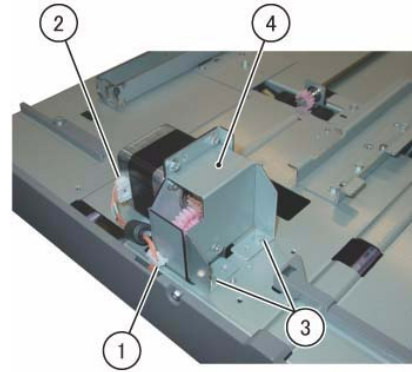


Figure 8 j0sa43978

17. The removed Front Tamper Motor, Belt, and Pulley Bracket. (Figure 9)

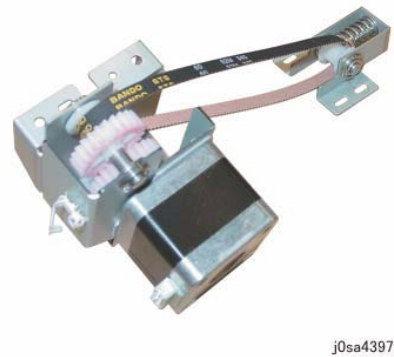


Figure 9 j0sa43979

Replacement

1. To install, carry out the removal steps in reverse order.

REP 39.32.1 Set Clamp Motor and Belt
Parts List on PL 39.32

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Upper Cover. (REP 39.4.1)
4. Remove the Tamper Unit. (REP 39.28.1)
5. Turn the Tamper Unit upside down.
6. Remove the Motor Cover. (Figure 1)
(1) Remove the Tapping Screw (x2).
(2) Remove the Motor Cover.

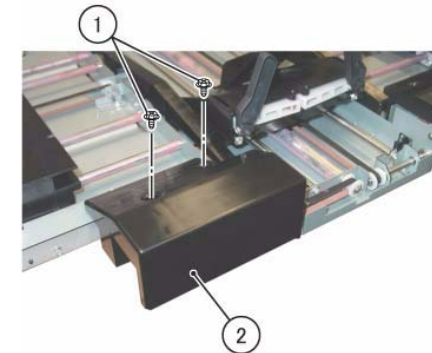


Figure 1 j0sa43965

7. Remove the Set Clamp Motor and the belt. (Figure 2)
(1) Disconnect the connector.

- (2) Release the clamp and remove the wire harness.
- (3) Remove the spring.
- (4) Remove the screw (x2).
- (5) Remove the Set Clamp Motor.
- (6) Remove the belt.

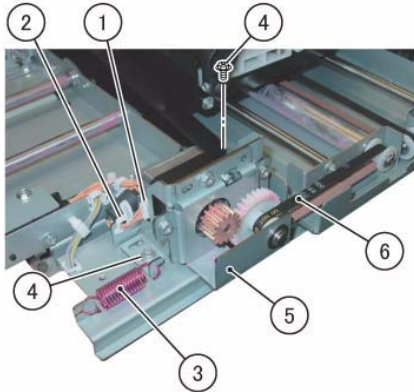


Figure 2 j0sa43966

j0sa43966

Replacement

1. To install, carry out the removal steps in reverse order.

REP 39.33.1 Rear Tamper Motor, Belt and Pulley Bracket

Parts List on PL 39.33

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Upper Cover. (REP 39.4.1)
4. Remove the Tamper Unit. (REP 39.28.1)
5. Turn the Tamper Unit upside down.
6. Store the Extension Pads. (Figure 1)
(1) Use tape to hold the Extension Pad (x6) and store them.

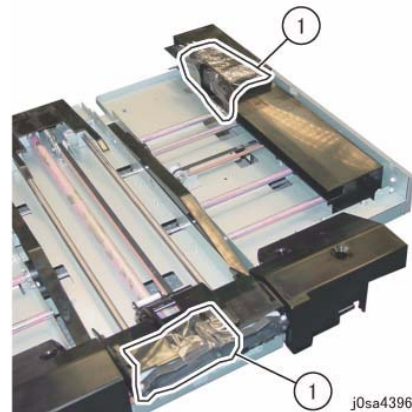


Figure 1 j0sa43967

j0sa43967

7. Move the Rear Tamper Base in the direction of the arrow and move the Belt Clamp to the square hole of the Frame. (Figure 2)
(A) Belt Clamp
(B) Square Hole

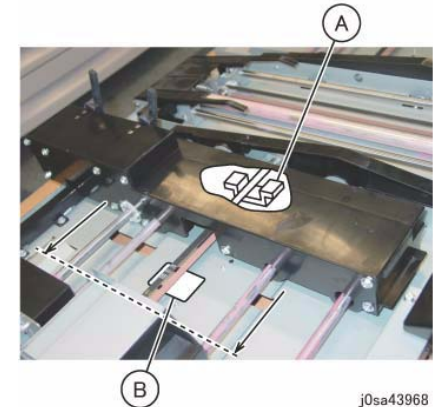


Figure 2 j0sa43968

j0sa43968

8. Return the Tamper Unit to the upright position.
9. Remove the Plate. (Figure 3)
(1) Remove the screw.
(2) Remove the Plate.

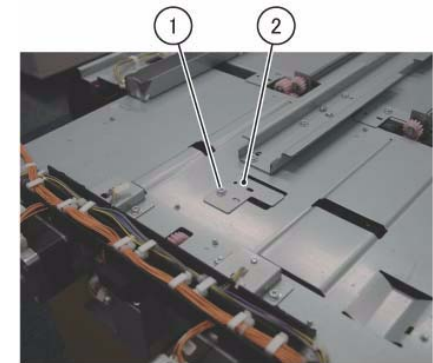


Figure 3 j0sa43969

j0sa43969

10. Remove the Belt Clamp. (Figure 4)
(1) Remove the Tapping Screw (x2).

- (2) Remove the Belt Clamp.

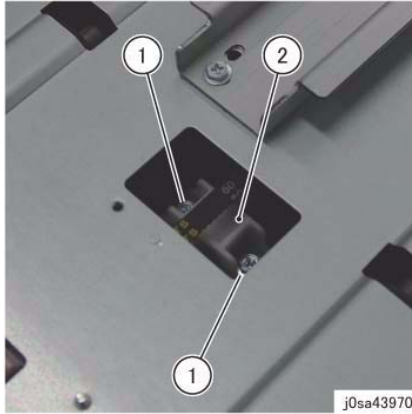


Figure 4 j0sa43970

11. Turn the Tamper Unit upside down.
12. Remove the Pulley Bracket. (Figure 5)
 - (1) Remove the screw (x2).
 - (2) Remove the Pulley Bracket and the spring.
 - (A) Spring

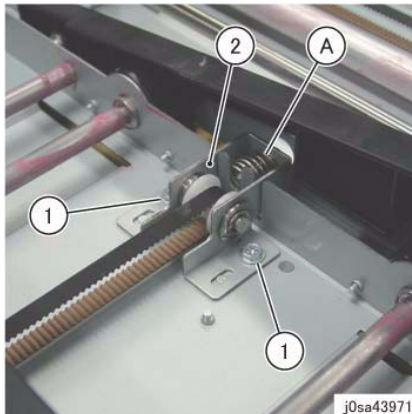


Figure 5 j0sa43971

13. Remove the Rear Tamper Motor, the Belt, and the Pulley Bracket. (Figure 6)
 - (1) Disconnect the connector.
 - (2) Release the clamp and remove the wire harness.

- (3) Remove the screw (x3).
- (4) Remove the Rear Tamper Motor, the Belt, and the Pulley Bracket.

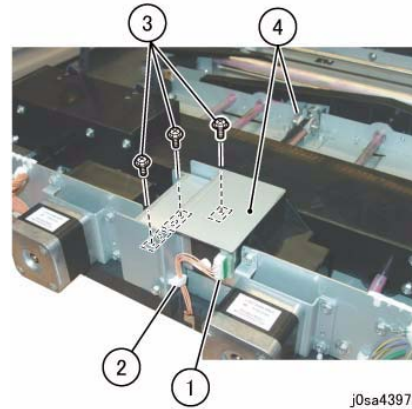


Figure 6 j0sa43972

Replacement

1. To install, carry out the removal steps in reverse order.

REP 39.37.1 (SCC) HCS Drive PWB

Parts List on PL 39.37

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Disconnect the connector (x11) on the HCS Drive PWB. (Figure 1)

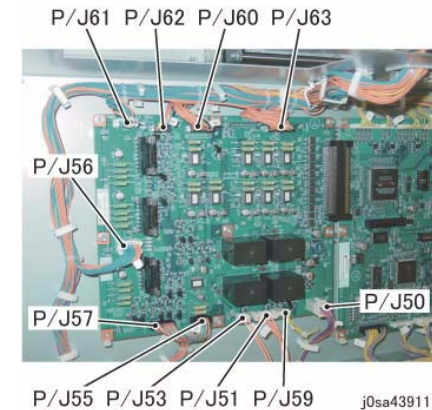


Figure 1 j0sa43911

4. Remove the HCS Drive PWB. (Figure 2)
 - (1) Remove the screw (x7).
 - (2) Release the PWB Support hook (x2).
 - (3) Disconnect the connector and remove the HCS Drive PWB.

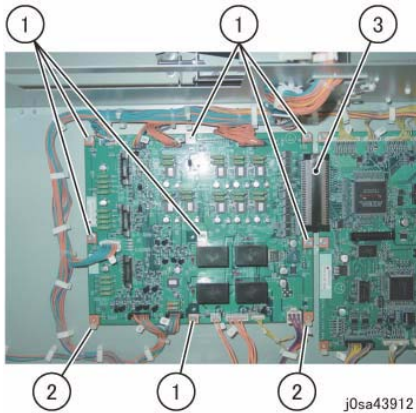


Figure 2 j0sa43912

Replacement

- To install, carry out the removal steps in reverse order.

REP 39.37.2 (SCC) HCS PWB

Parts List on PL 39.37

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

- [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
- Remove the Rear Cover. (REP 39.1.2)
- Disconnect the HCS PWB connector (x18). (Figure 1)

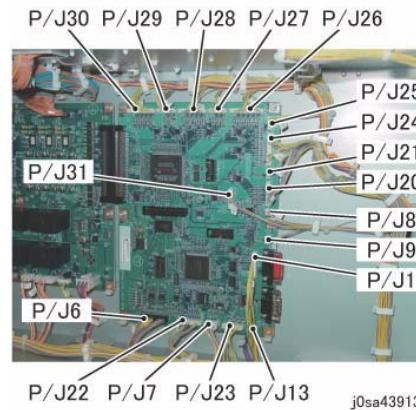


Figure 1 j0sa43913

- Remove the HCS PWB. (Figure 2)
 - Remove the screw (x4).
 - Release the PWB Support hook (x2).
 - Disconnect the connector and remove the HCS PWB.

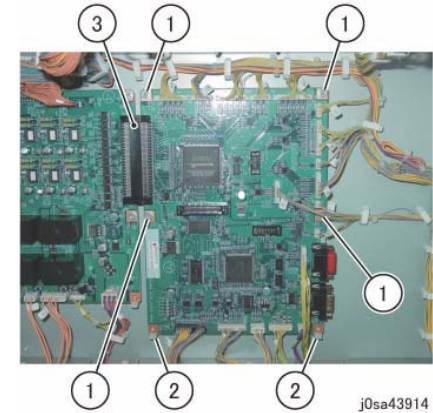


Figure 2 j0sa43914

Replacement

- To install, carry out the removal steps in reverse order.
- After replacement, remove the SEEP ROM from the old HCS PWB and install it onto the new one. (Figure 3)
(A) SEEP ROM

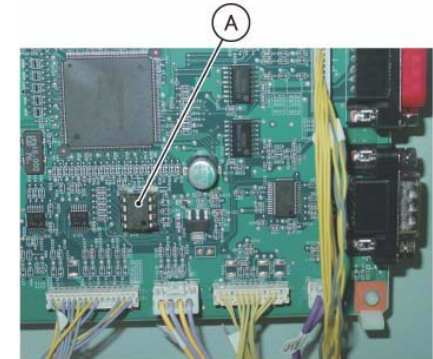


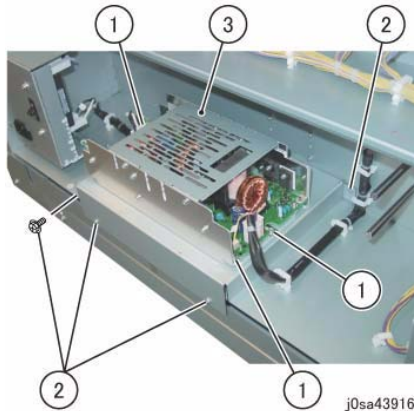
Figure 3 j0sa43915

REP 39.37.3 (SCC) HCS LVPS**Parts List on PL 39.37****Removal****WARNING**

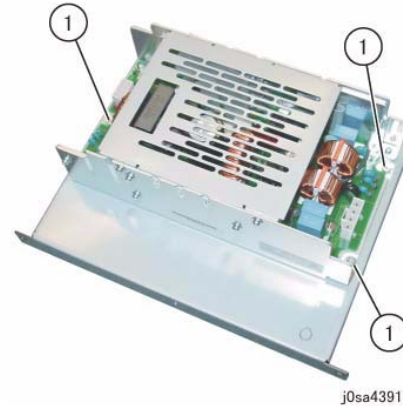
When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the HCS LVPS. (Figure 1)
 - (1) Disconnect the connector (x3).
 - (2) Remove the screw (x4).
 - (3) Remove HCS LVPS.

**Figure 1 j0sa43916**

4. Remove the HCS LVPS from the Bracket. (Figure 2)
 - (1) Remove the screw (x3).

**Figure 2 j0sa43917****Replacement**

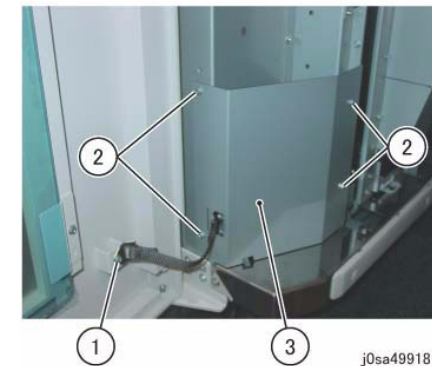
1. To install, carry out the removal steps in reverse order.

REP 39.39.1 Left Stacker Belt**Parts List on PL 39.39****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

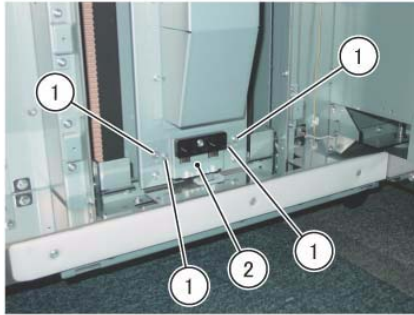
Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Detach the HCS from the I/F Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Upper Cover. (REP 39.4.1)
4. Remove the Tamper Unit. (REP 39.28.1)
5. Remove the Paddle. (REP 39.24.2)
6. Remove the Stacker Exit Roll Housing. (REP 39.25.1)
7. Remove the Edge Sensor Frame. (REP 39.25.2)
8. Remove the Stacker Left Lower Cover. (Figure 1)
 - (1) Remove the screw of the Front Door Stopper.
 - (2) Remove the screw (x4).
 - (3) Remove the Stacker Left Lower Cover.

**Figure 1 j0sa49918**

9. Remove the screw that secure the Stack No Paper Sensor. (Figure 2)

- (1) Remove the screw (x4).
- (2) Move the Stack No Paper Sensor.

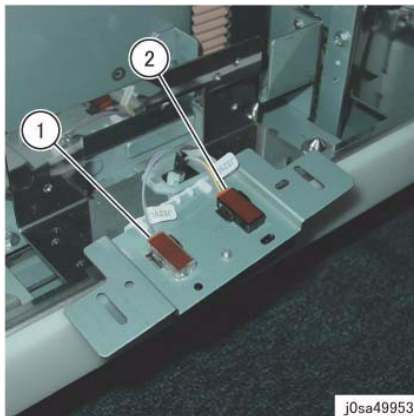


j0sa49952

Figure 2 j0sa49952

10. Remove the Stack No Paper Sensor. (Figure 3)

- (1) Disconnect the connector (J329L).
- (2) Disconnect the connector (J329P).

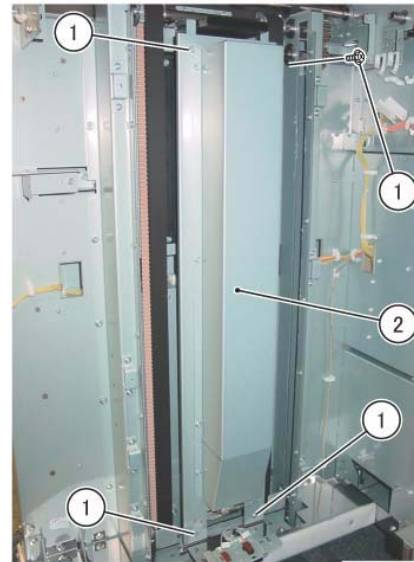


j0sa49953

Figure 3 j0sa49953

11. Remove the Stacker Left Center Cover. (Figure 4)

- (1) Remove the screw (x4).
- (2) Remove the Stacker Left Center Cover.

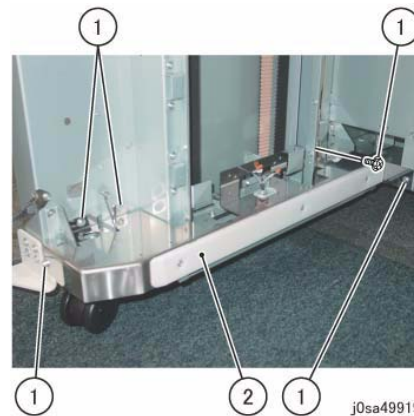


j0sa43998

Figure 4 j0sa43998

12. Remove the Stacker Left Lower Frame. (Figure 5)

- (1) Remove the screw (M4: x5).
- (2) Remove the Stacker Left Lower Frame.



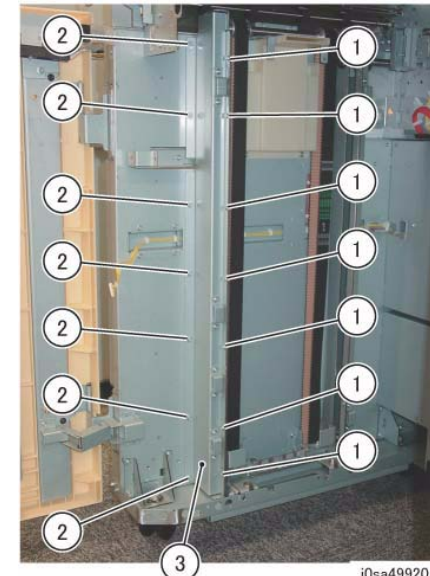
j0sa49919

Figure 5 j0sa49919

13. Remove the Front Rail Support. (Figure 6)

- (1) Remove the screw (M3: x7).

- (2) Remove the screw (M4: x7).
- (3) Remove the Front Rail Support.



j0sa49920

Figure 6 j0sa49920

14. Remove the Rear Rail Support. (Figure 7)

- (1) Remove the screw (M3: x7).
- (2) Remove the screw (M4: x6).
- (3) Remove the Rear Rail Support.



Figure 7 j0sa49921

15. Remove the Left Tray Arm. (Figure 8)

- (1) Remove the screw (x4).
- (2) Remove the Belt Clamp (x2).
- (3) Remove the Left Tray Arm.

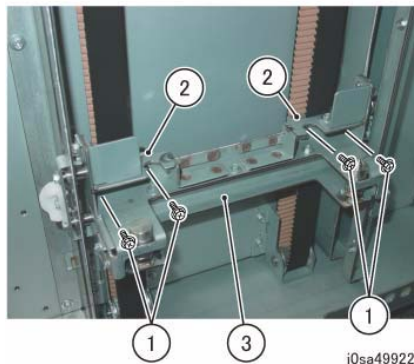
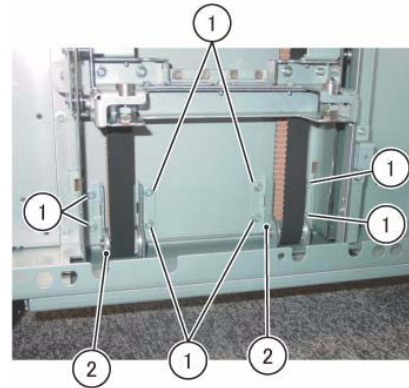


Figure 8 j0sa49922

16. Remove the Pulley Bracket. (Figure 9)

- (1) Remove the screw (M4: x8).
- (2) Remove the Pulley Bracket (x2).

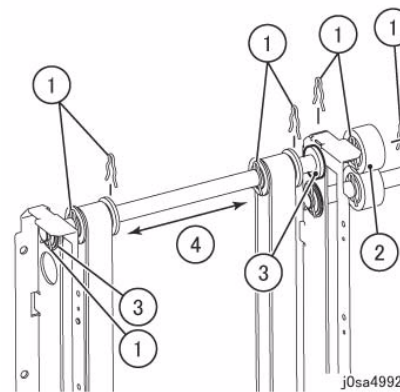


j0sa49923

Figure 9 j0sa49923

17. Remove the Left Stacker Belt. (Figure 10)

- (1) Remove the clip (x8).
- (2) Remove the gear and the key.
- (3) Remove the Bearing (x2).
- (4) Move the shaft in the direction of the arrow and remove the Left Stacker Belt (x2).



j0sa49924

Figure 10 j0sa49924

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the Left Tray Arm, perform the Left/Right Tray Arm Installation Position. (ADJ 39.39.1)

REP 39.40.1 Right Stacker Belt

Parts List on PL 39.40

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Rear Cover. (REP 39.1.2)
3. Remove the Upper Cover. (REP 39.4.1)
4. Remove the Tamper Unit. (REP 39.28.1)
5. Remove the Stacker Right Front Cover. (Figure 1)
 - (1) Remove the screw (x5).
 - (2) Remove the Stacker Right Front Cover.

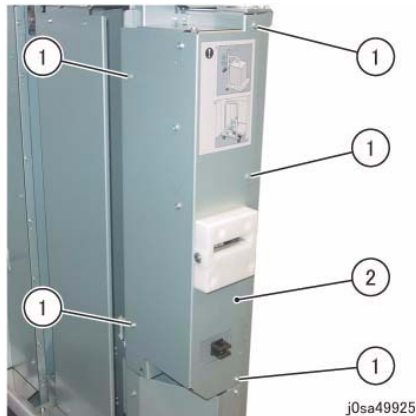


Figure 1 j0sa49925

6. Remove the Front Door Lock Bracket. (Figure 2)
 - (1) Remove the screw (x4).
 - (2) Remove the Front Door Lock Bracket.

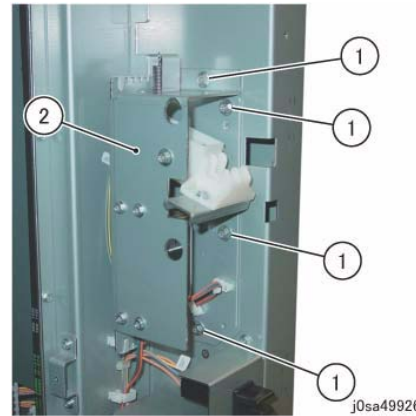


Figure 2 j0sa49926

7. Disconnect the Front Door Lock Bracket connector. (Figure 3)
 - (1) Disconnect the connector (x2).
 - (2) Release the clamp (x3) and remove the wire harness.

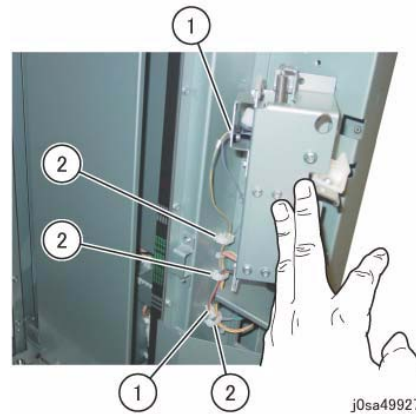


Figure 3 j0sa49927

8. Remove the Stacker Right Lower Cover. (Figure 4)
 - (1) Remove the screw (x4).
 - (2) Remove the Stacker Right Lower Cover.

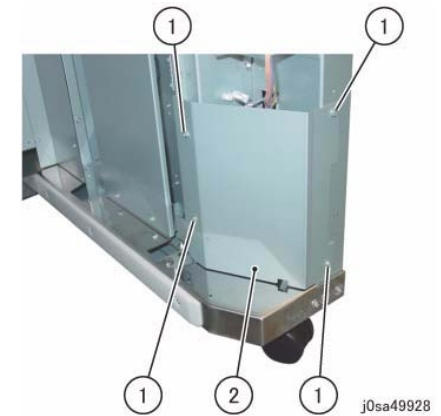


Figure 4 j0sa49928

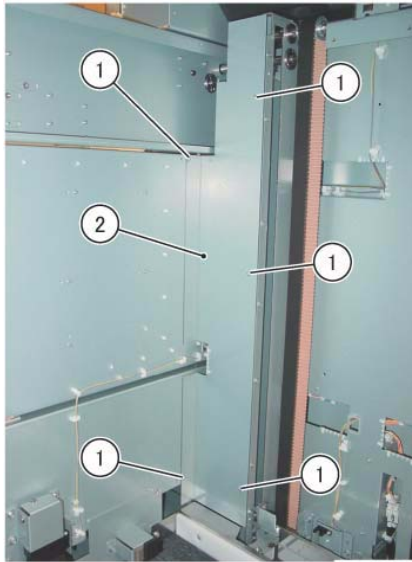
9. Remove the Stacker Right Center Cover. (Figure 5)
 - (1) Remove the screw (x4).
 - (2) Remove the Stacker Right Center Cover.



Figure 5 j0sa43999

10. Remove the Stacker Right Rear Cover. (Figure 6)
 - (1) Remove the screw (x5).

- (2) Remove the Stacker Right Rear Cover.

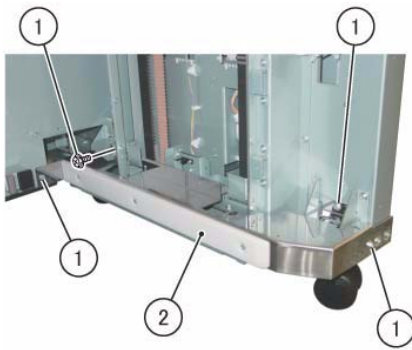


j0sa49929

Figure 6 j0sa49929

11. Remove the Stacker Right Lower Frame. (Figure 7)

- (1) Remove the screw (M4: x4).
- (2) Remove the Stacker Right Lower Frame.

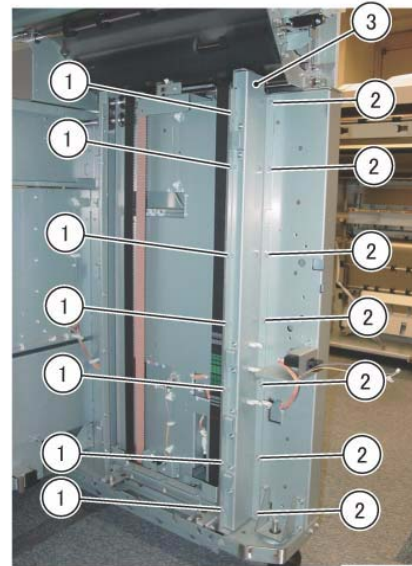


j0sa49930

Figure 7 j0sa49930

12. Remove the Front Rail Support. (Figure 8)

- (1) Remove the screw (M3: x7).
- (2) Remove the screw (M4: x7).
- (3) Remove the Front Rail Support.

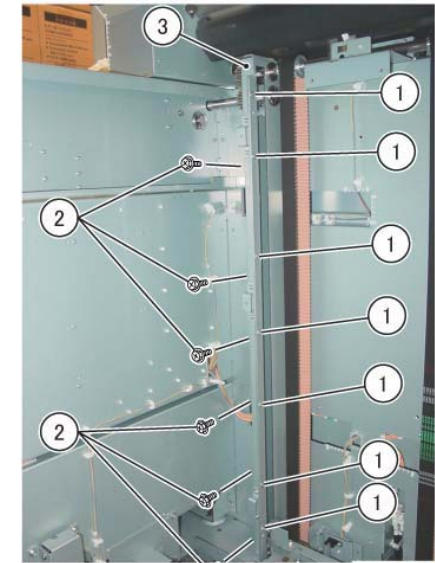


j0sa49932

Figure 8 j0sa49932

13. Remove the Rear Rail Support. (Figure 9)

- (1) Remove the screw (M3: x7).
- (2) Remove the screw (M4: x6).
- (3) Remove the Rear Rail Support.

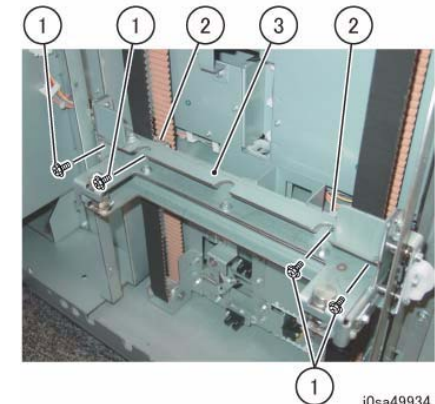


j0sa49933

Figure 9 j0sa49933

14. Remove the Right Tray Arm. (Figure 10)

- (1) Remove the screw (x4).
- (2) Remove the Belt Clamp (x2).
- (3) Remove the Right Tray Arm.

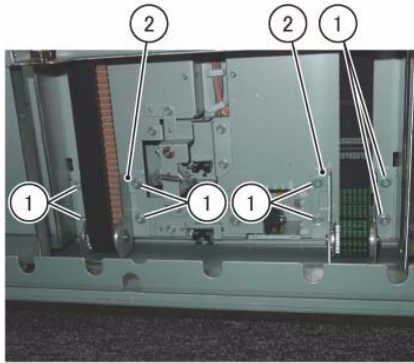


j0sa49934

Figure 10 j0sa49934

15. Remove the Pulley Bracket. (Figure 11)

- (1) Remove the screw (M4: x8).
- (2) Remove the Pulley Bracket (x2).

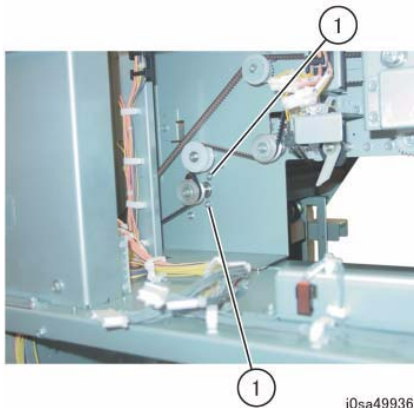


j0sa49935

Figure 11 j0sa49935

16. At the rear of the HCS, remove the screw that secure the Roll Cover. (Figure 12)

- (1) Remove the Tapping Screw (x2).

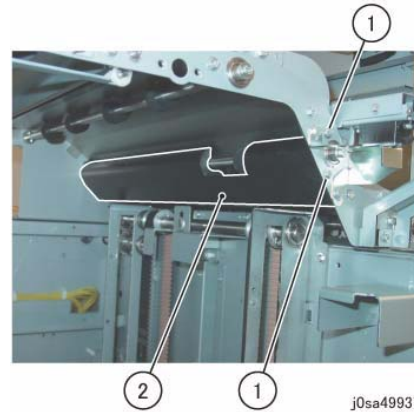


j0sa49936

Figure 12 j0sa49936

17. Remove the Roll Cover. (Figure 13)

- (1) Remove the Tapping Screw (x2).
- (2) Remove the Roll Cover.

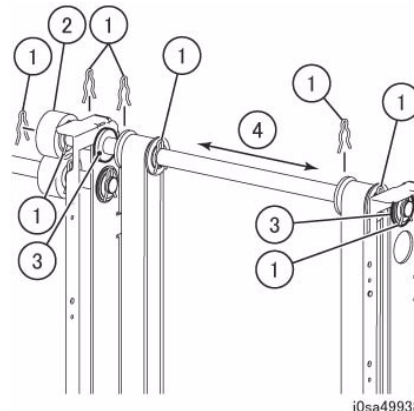


j0sa49937

Figure 13 j0sa49937

18. Remove the Right Stacker Belt. (Figure 14)

- (1) Remove the clip (x8).
- (2) Remove the gear and the key.
- (3) Remove the Bearing (x2).
- (4) Move the shaft in the direction of the arrow and remove the Right Stacker Belt (x2).



j0sa49938

Figure 14 j0sa49938

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the Right Tray Arm, perform the installation position for Left/Right Tray Arm. (ADJ 39.39.1)

REP 39.42.1 (SCC) HCS Control Panel PWB

Parts List on PL 39.42

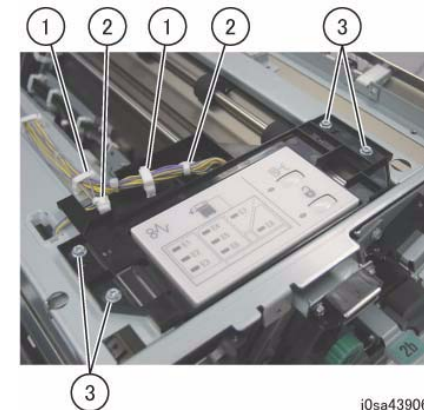
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. [Color C75 Press]
Detach the HCS from the I/F Module. (REP 39.1.1)
[Color J75 Press]
Detach the HCS from the I/F Cooling Module. (REP 39.1.1)
2. Remove the Top Cover. (REP 39.2.1)
3. Remove the screw that secure the HCS Control Panel. (Figure 1)
 - (1) Remove the clamp (x2).
 - (2) Remove the cable band (x2).
 - (3) Remove the screw (x2).

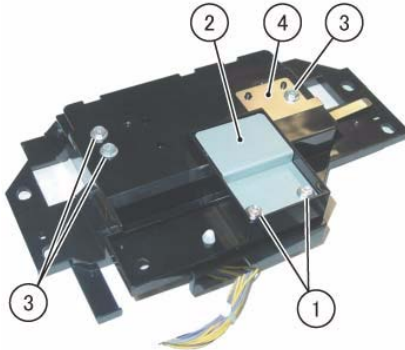


j0sa43906

Figure 1 j0sa43906

4. Turn the HCS Control Panel upside down.

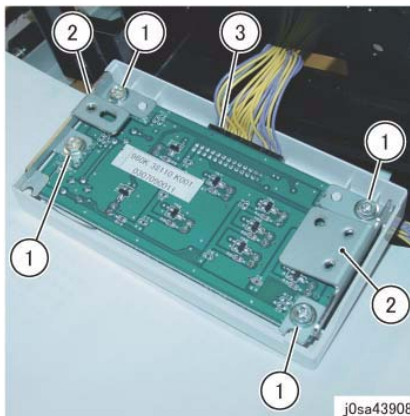
5. Remove the screw that secure the HCS Control Panel. (Figure 2)
 - (1) Remove the Tapping Screw (x2).
 - (2) Remove the Bracket.
 - (3) Remove the screw (x3).
 - (4) Remove the Ground Plate.



j0sa43907

Figure 2 j0sa43907

6. Remove the HCS Control Panel PWB. (Figure 3)
 - (1) Remove the Tapping Screw (x4).
 - (2) Remove the Bracket (x2).
 - (3) Disconnect the connector.



j0sa43908

Figure 3 j0sa43908

Replacement

1. To install, carry out the removal steps in reverse order.

REP 54.1.1 DADF

Parts List on PL 54.1

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

WARNING

Always have 2 people to install the DADF as it is very heavy.

1. Disconnect the IIT-DADF Cable and the DCDC-1P DUP Cable. (Figure 1)
 - (1) Disconnect the IIT-DADF Cable.
 - (2) Disconnect the DCDC-1P DUP Cable.

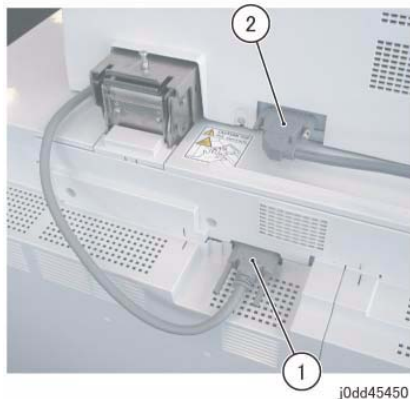
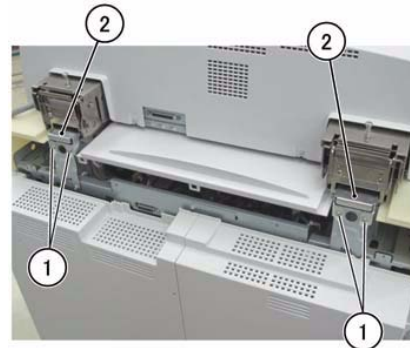


Figure 1 j0dd45450

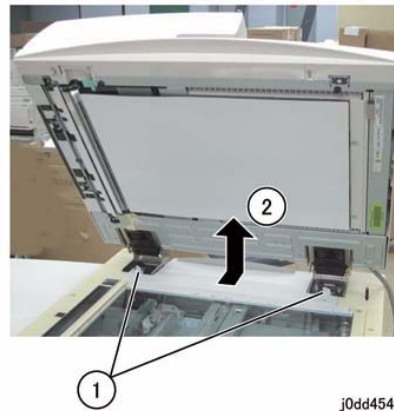
2. Remove the IIT Rear Cover. (PL 1.2)
 - Installation screw: x4 at the rear
3. Remove the Blind Cover (x2). (PL 1.2)
4. Remove the DADF support. (Figure 2)
 - (1) Remove the screw (x2).
 - (2) Remove the DADF support.



j0dd45402

Figure 2 j0dd45402

5. Open the DADF.
6. Remove the DADF. (Figure 3)
 - (1) Remove the Knob Screw (x2).
 - (2) Slide the DADF towards the rear to remove it.

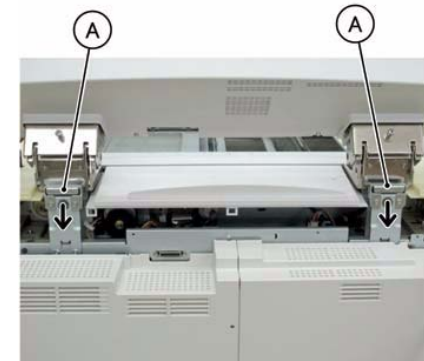


j0dd45403

Figure 3 j0dd45403

Replacement

1. To install, carry out the removal steps in reverse order.
2. With the DADF in open state, press the DADF Support in the direction of the arrow and secure it. (Figure 4)
 - (A) DADF Support



j0dd45404

Figure 4 j0dd45404

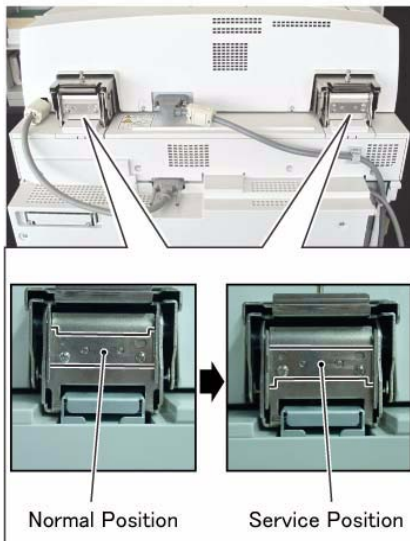
3. After replacement, clear the [DC135 HFSI] counter.
"Chain-Link: 955-822"
"Chain-Link: 955-828"
"Chain-Link: 955-832"

REP 54.1.2 Service Position**Parts List on PL 54.1****Removal****WARNING**

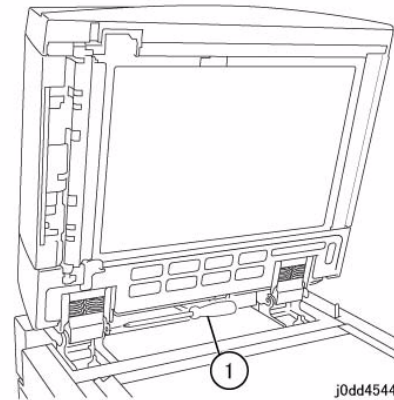
When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Install the Bracket (x2) of the Left and Right Counter Balance upside down. (Figure 1)
 - Normal Position: Notch faces up
 - Service Position: Notch faces down



j0dd45405

Figure 1 j0dd45405

j0dd45441

Figure 2 j0dd45441

2. Secure the DADF at the service position. (Figure 2)
 - (1) Insert the screwdriver into the hole of the Counter Balance to secure the DADF such that it cannot close.

REP 54.2.1 CIS**Parts List on PL 54.2****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Always wear a wrist band to protect electrical parts from static damage. If a wrist band is not available, touch some metallic parts before servicing to discharge the static electricity.

1. Remove the DADF Front Cover. (PL 54.2)
Installation screw: x2 at the bottom
2. Remove the DADF Rear Cover. (PL 54.2)
 - Installation screw: x2 at the rear
3. Open the DADF.
4. Remove the DADF Bottom Front Cover and Bottom Rear Cover. (Figure 1)
 - (1) Open the Exit Lower Chute.
 - (2) Remove the screw.
 - (3) Remove the Bottom Front Cover.
 - (4) Remove the screw.
 - (5) Remove the Bottom Rear Cover.

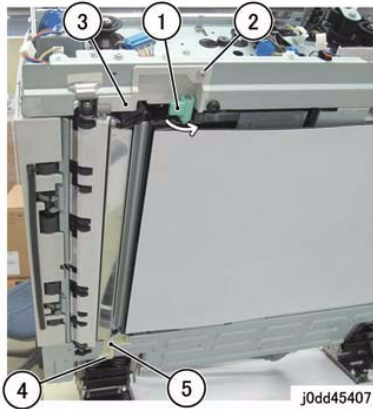


Figure 1 j0dd45407

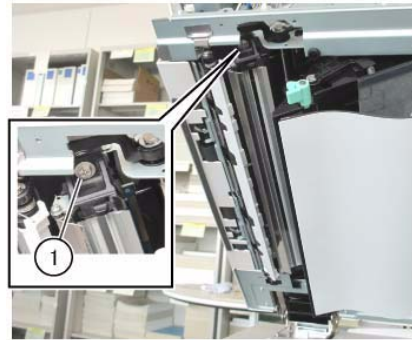
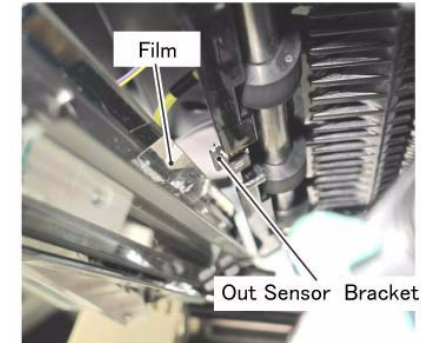


Figure 3 j0dd45408



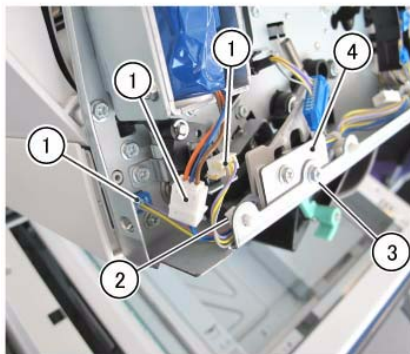
j0dd45439

Figure 5 j0dd45439

5. Slide the Harness Guide. (Figure 2)
 - (1) Disconnect the connector (x3).
 - (2) Release the wire harness from the clamp.
 - (3) Remove the screw.
 - (4) Slide the Harness Guide.

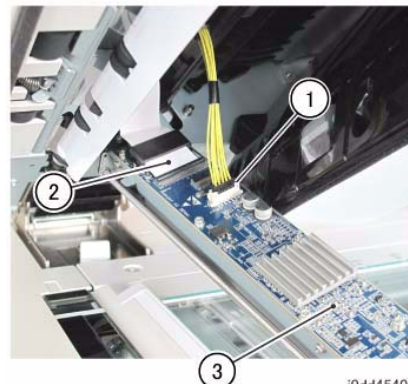
7. Remove the CIS. (Figure 4)
 - (1) Disconnect the connector.
 - (2) Disconnect the Flat Cable.
 - (3) Remove the CIS.

3. If the CIS Installation Bracket had been removed, make sure to realign it back to its position before it was removed. (Figure 6)



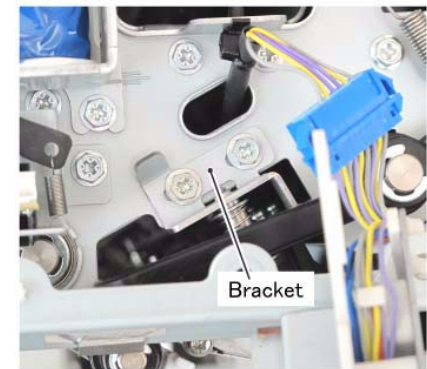
j0dd45406

Figure 2 j0dd45406



j0dd45409

Figure 4 j0dd45409



i0dd45440

Figure 6 j0dd45440

6. Remove the screw that are installed to the CIS. (Figure 3)
 - (1) Remove the screw at the front.

Replacement

1. To install, carry out the removal steps in reverse order.
2. When installing the CIS, insert the Film guarded portion of the CIS PWB into the inner side of the Out Sensor Bracket. (Figure 5)

REP 54.2.2 (SCC) DCDC PWB

Parts List on PL 54.2

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Static electricity may damage electrical parts. Static electricity may damage electrical parts. Always wear a wrist band during servicing. If a wrist band is not available, touch some metallic parts before servicing to discharge the static electricity.

Replacement

- When replacing the DCDC PWB, remove the SEEP ROM from the old DCDC PWB, and install it to the new one. (Figure 1)
 - Replace the SEEP ROM.



Figure 1 j0dd45438

REP 54.3.1 Left/Right Counter Balance

Parts List on PL 54.3

Clean

NOTE: Replace both the Left/Right Counter Balance at the same time.

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

- Remove the DADF Assembly. (REP 54.1.1)
- Remove the DADF Rear Cover. (PL 54.2)
Installation screw: x2 at the rear
- Remove the screw (Round: x2) that secure the Harness Guide and move the Harness Guide. (Figure 1)
 - Remove the screw (Round: x2).
 - Move the Harness Guide in the direction of the arrow.

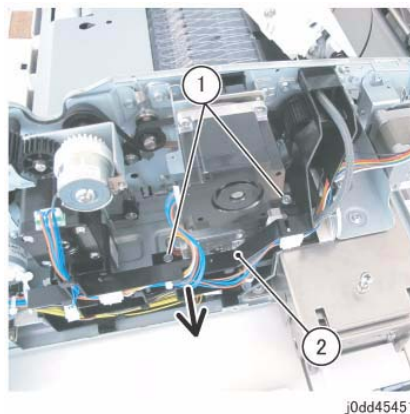


Figure 1 j0dd45451

- Remove the screw (Round: x2) that secure the Shield Bracket of the DCDC-CIS Flat Cable to free the Shield Bracket. (Figure 2)

- Remove the screw (Round: x2).
- Free the Shield Bracket.

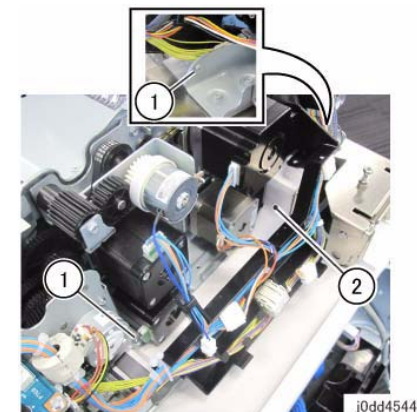


Figure 2 j0dd45442

- Remove the Pre Regi Motor. (Figure 3)
 - Disconnect the connector.
 - Remove the spring.
 - Remove the screw (x3).
 - Remove the Pre Regi Motor.

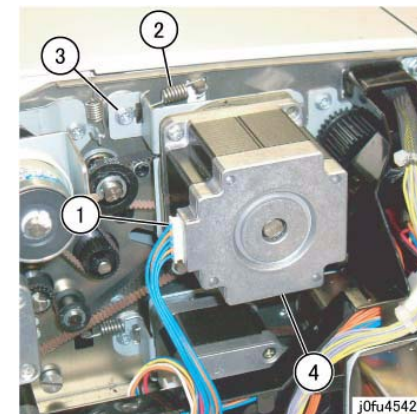
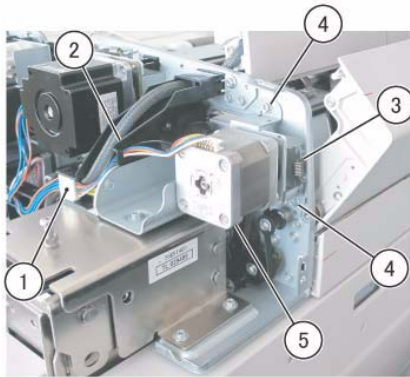


Figure 3 j0fu45426

- Remove the DADF Regi Motor. (Figure 4)
 - Disconnect the connector.
 - Release the wire harness from the harness holder.

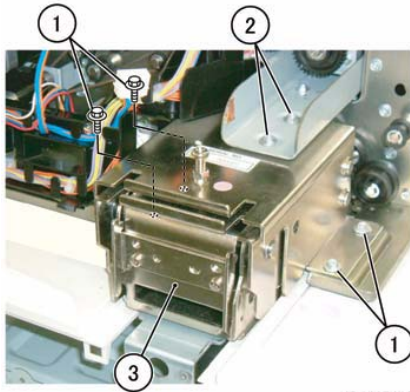
- (3) Remove the spring.
- (4) Remove the screw (x2).
- (5) Remove the DADF Regi Motor.



j0dd45452

Figure 4 j0dd45452

7. Remove the Left Counter Balance. (Figure 5)
 - (1) Remove the screw (x4).
 - (2) Remove the screw (x2).
 - (3) Remove the Left Counter Balance.

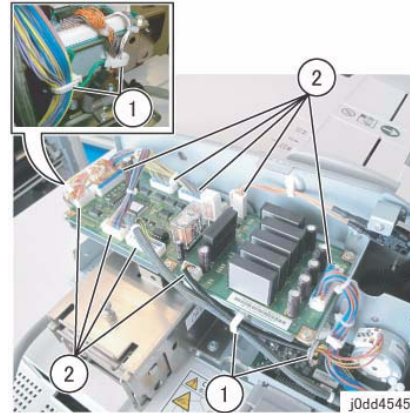


j0dd45410

Figure 5 j0dd45410

8. Replace with a new Counter Balance.
9. Release the clamp and disconnect the connector connected to the DADF PWB. (Figure 6)
 - (1) Release the clamp (x5).

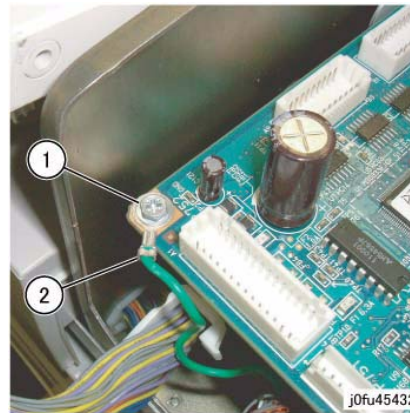
- (2) Disconnect the connector (x9).



j0dd45453

Figure 6 j0dd45453

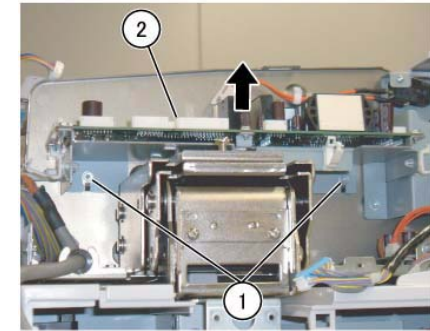
10. Disconnect the ground wire that is connected to the DADF PWB. (Figure 7)
 - (1) Remove the screw.
 - (2) Remove the ground wire.



j0fu45432

Figure 7 j0fu45432

11. Remove the DADF PWB. (Figure 8)
 - (1) Loosen the screw (x2).
 - (2) Remove the DADF PWB.



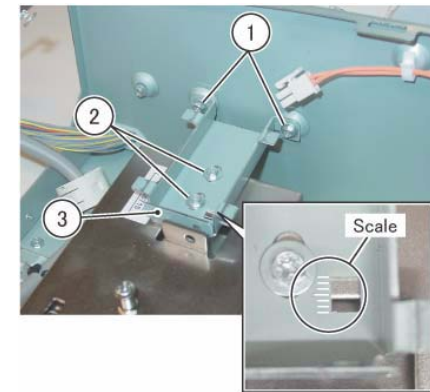
j0fu45433

Figure 8 j0fu45433

12. Remove the Bracket. (Figure 9)

NOTE: Before removing the Bracket, check and note down the position of the scale.

- (1) Remove the screw (x2).
- (2) Remove the screw (x2).
- (3) Remove the Bracket.



j0pi45314

Figure 9 j0pi45314

13. Remove the Right Counter Balance. (Figure 10)
 - (1) Remove the screw (x4).
 - (2) Remove the Right Counter Balance.

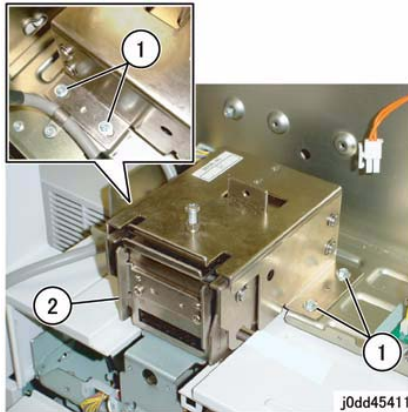


Figure 10 j0dd45411

14. Replace with a new Counter Balance.

Replacement

1. To install, carry out the removal steps in reverse order taking note of the following:

NOTE: When securing the Counter Balance, install the Bracket back to the position of the scale that was noted down in step 12 and secure it.

REP 54.3.2 (SCC) DADF PWB

Parts List on PL 54.3

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

CAUTION

Static electricity may damage electrical parts. Static electricity may damage electrical parts. Always wear a wrist band during servicing. If a wrist band is not available, touch some metallic parts before servicing to discharge the static electricity.

1. Remove the DADF Front Cover. (PL 54.2)
Installation screw: x2 at the bottom
2. Remove the DADF Rear Cover. (PL 54.2)
Installation screw: x2 at the rear
3. Disconnect the connector (x9) that are connected to the DADF PWB. (Figure 1)
 - (1) Disconnect the connector (x9).

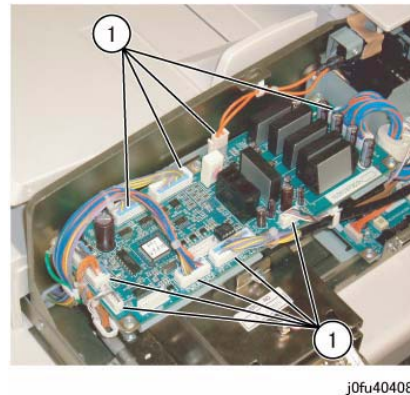


Figure 1 j0fu40408

4. Remove the DADF PWB. (Figure 2)
 - (1) Remove the screw (x6).
 - (2) Remove the ground wire.

- (3) Remove the DADF PWB.

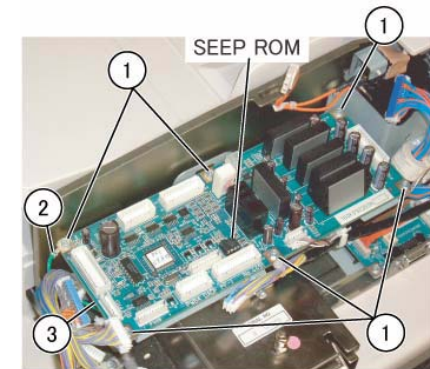


Figure 2 j0tz41409

Replacement

1. To install, carry out the removal steps in reverse order.
2. When replacing the DADF PWB, remove the SEEP ROM from the old DADF PWB, and install it to the new one.
This is because it stores the alignment value of the DADF.
3. Check the software version. Upgrade the version if an old software is installed in the new PWB.

REP 54.6.1 (SCC) DADF Feed Clutch

Parts List on PL 54.6

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the DADF Rear Cover. (PL 54.2)
Installation screw: x2 at the rear
2. Remove the DADF Feed Clutch. (Figure 1)
 - (1) Disconnect the connector.
 - (2) Remove the E-Ring.
 - (3) Remove the DADF Feed Clutch.

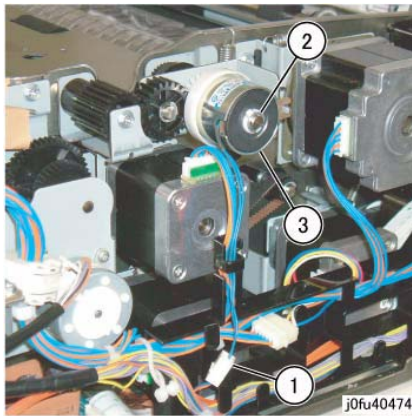


Figure 1 j0fu40474

Replacement

1. To install, carry out the removal steps in reverse order.
2. After replacement, clear the [DC135 HFSI] counter.
"Chain-Link: 955-828"

REP 54.6.2 Feed Motor Belt

Parts List on PL 54.6

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

Replacement

1. Install the Feed Motor Belt as shown in the figure. (Figure 1)

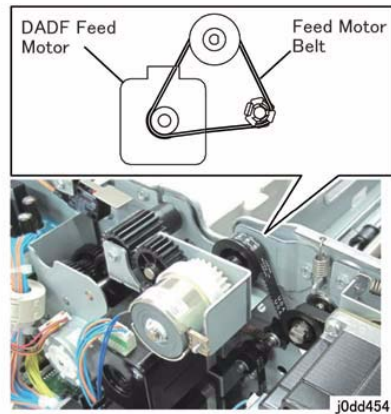


Figure 1 j0dd45412

REP 54.7.1 Takeaway Roll

Parts List on PL 54.7

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the DADF Front Cover. (PL 54.2)
2. Remove the DADF Rear Cover. (PL 54.2)
3. Open the Feeder Upper Chute. (Figure 1)
 - (1) Open the Feeder Upper Chute.

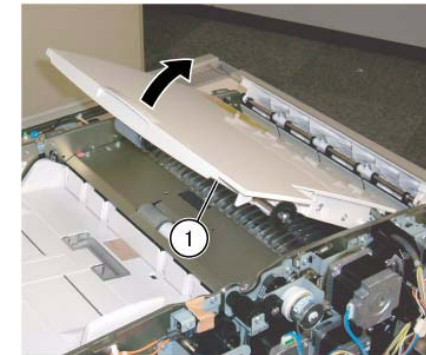
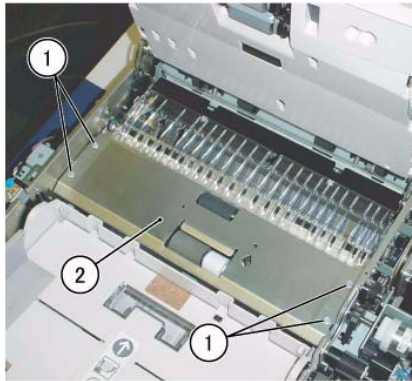


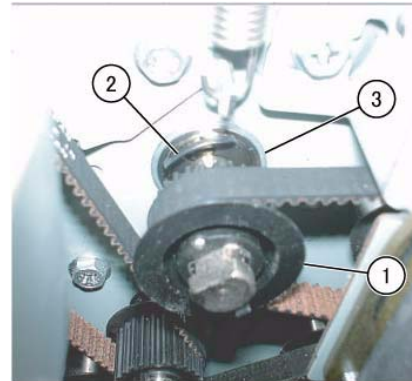
Figure 1 j0fu40423

4. Remove the Feeder Lower Chute. (Figure 2)
 - (1) Remove the screw (x4).
 - (2) Remove the Feeder Lower Chute.



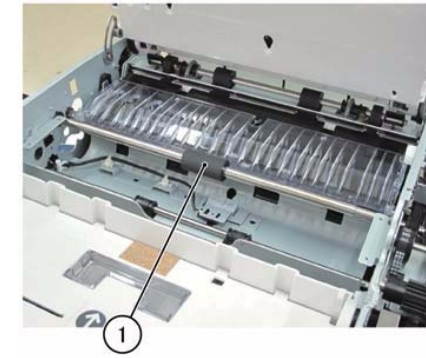
j0fu40424

Figure 2 j0fu40424



j0fu40426

Figure 4 j0fu40426



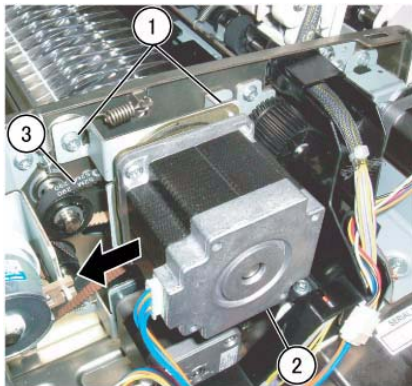
j0dd45414

Figure 6 j0dd45414

5. Loosen the screw that secure the Pre Regi Motor, relax the Pre Regi Motor tension and remove the Belt. (Figure 3)
 - (1) Loosen the screw (x3).
 - (2) Move the Pre Regi Motor in the direction of the arrow.
 - (3) Remove the Belt.
7. Remove the Bearing at the front. (Figure 5)
 - (1) Remove the KL-Clip.
 - (2) Remove the Bearing.

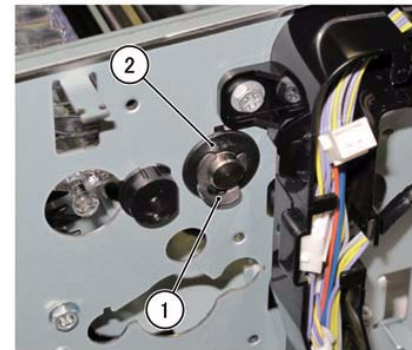
Replacement

1. To install, carry out the removal steps in reverse order.



j0fu40425

Figure 3 j0fu40425



j0dd45413

Figure 5 j0dd45413

6. Remove the Pulley and the Bearing at the rear. (Figure 4)
 - (1) Remove the Pulley.
 - (2) Remove the KL-Clip.
 - (3) Remove the Bearing.
8. Remove the Takeaway Roll. (Figure 6)
 - (1) Remove the Takeaway Roll.

REP 54.7.2 Rail

Parts List on PL 54.7

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

Replacement

1. Install the Rail to the Pre Regi Roll Chute as shown in the figure. (Figure 1)
 - (1) Install with the hole of the Rail facing the rear.

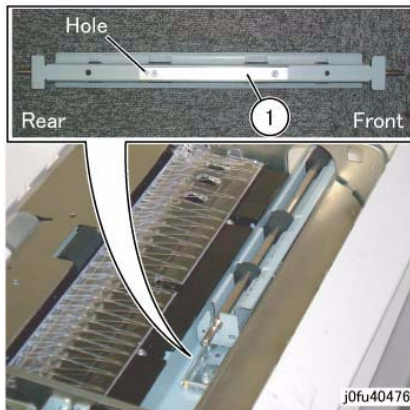


Figure 1 j0fu40476

REP 54.7.3 Pre Regi Motor Belt

Parts List on PL 54.7

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

Replacement

1. Install the Pre Regi Motor Belt as shown in the figure. (Figure 1)

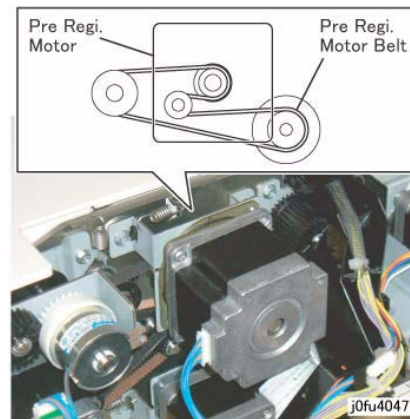


Figure 1 j0fu40477

REP 54.7.4 Baffle Solenoid Assembly

Parts List on PL 54.7

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

Replacement

1. Install the Baffle Solenoid to the Solenoid Bracket as shown in the figure. (Figure 1)

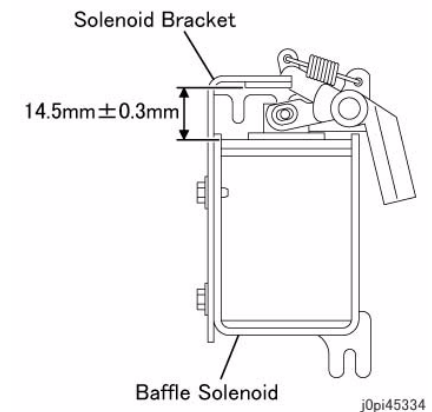


Figure 1 j0pi45334

2. After replacement, clear the [DC135 HFSI] counter.
"Chain-Link: 955-822"

REP 54.8.1 Regi Motor Belt

Parts List on PL 54.8

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

Replacement

1. Install the Regi Motor Belt as shown in the figure. (Figure 1)

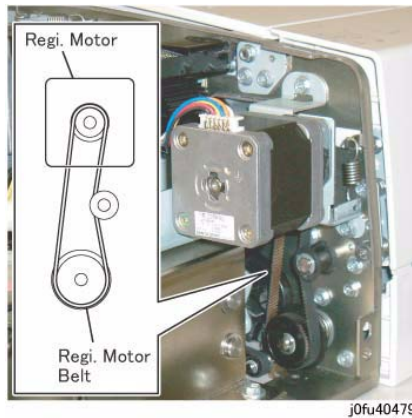


Figure 1 j0fu40479

REP 54.8.2 DADF Lead Regi Sensor

Parts List on PL 54.8

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the DADF Front Cover. (PL 54.2)
 - Installation screw: x2 at the bottom
2. Remove the DADF Rear Cover. (PL 54.2)
 - Installation screw: x2 at the rear
3. Remove the DADF Regi Motor. (Figure 1)
 - (1) Disconnect the connector.
 - (2) Release the wire harness from the harness holder.
 - (3) Remove the spring.
 - (4) Remove the screw (Round: x2).
 - (5) Remove the DADF Regi Motor.

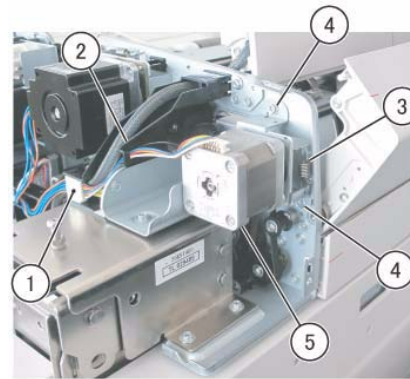


Figure 1 j0dd45452

4. Open the Upper Left Cover. (Figure 2)
 - (1) Open the Feeder Upper Chute slightly in the direction of the arrow.

- (2) Open the DADF Left Upper Cover in the direction of the arrow.

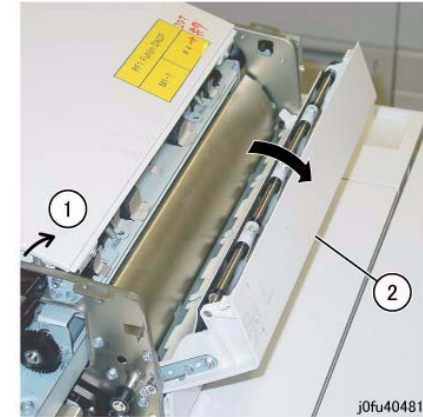


Figure 2 j0fu40481

5. Remove the Baffle Solenoid Assembly. (Figure 3)

NOTE: Before removing the Baffle Solenoid Assembly, check and note down the position of the scale.

- (1) Disconnect the connector.
- (2) Remove the screw (x2).
- (3) Remove the Baffle Solenoid Assembly.

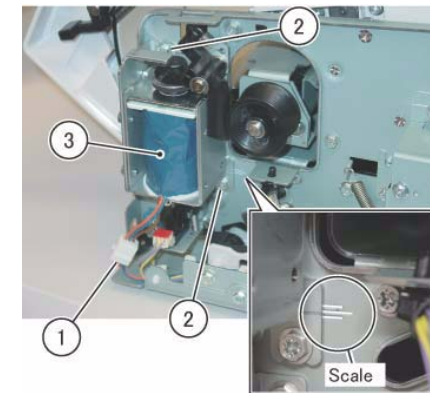


Figure 3 j0pi45343

6. Remove the Regi In Chute. (Figure 4)
 - (1) Remove the screw (x2).

- (2) Remove the Regi In Chute.

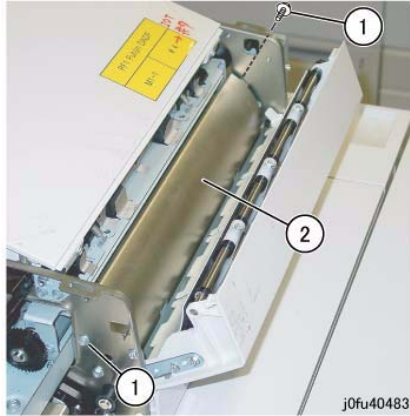


Figure 4 j0fu40483

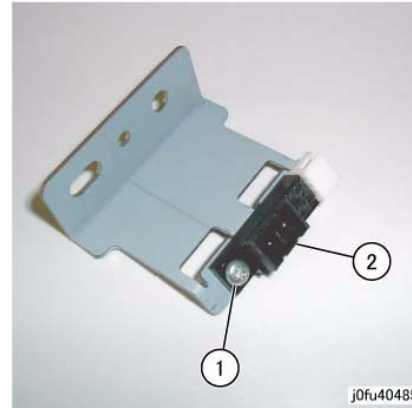


Figure 6 j0fu40485

7. Remove the Lead Regi Sensor Bracket. (Figure 5)
- (1) Remove the screw.
 - (2) Remove the Lead Regi Sensor Bracket.
 - (3) Disconnect the connector.

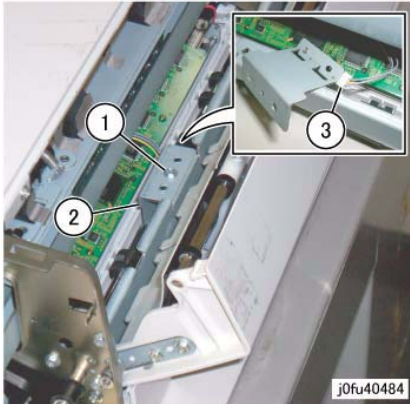


Figure 5 j0fu40484

Replacement

1. To install, carry out the removal steps in reverse order taking note of the following:

NOTE: When installing the Baffle Solenoid Assembly, align it to the position of the scale that was noted down earlier to install it.

8. Remove the DADF Lead Regi Sensor from the Sensor Bracket. (Figure 6)
- (1) Remove the screw.
 - (2) Remove the DADF Lead Regi Sensor.

REP 54.8.3 Regi Roll

Parts List on PL 54.8

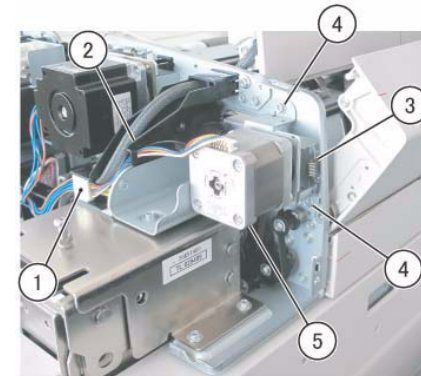
Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the DADF Front Cover. (PL 54.2)
 - Installation screw: x2 at the bottom
2. Remove the DADF Rear Cover. (PL 54.2)
 - Installation screw: x2 at the rear
3. Remove the DADF Regi Motor. (Figure 1)
 - (1) Disconnect the connector.
 - (2) Release the wire harness from the harness holder.
 - (3) Remove the spring.
 - (4) Remove the screw (Round: x2).
 - (5) Remove the DADF Regi Motor.



j0dd45452

Figure 1 j0dd45452

4. Remove the DADF Lower Cover. (Figure 2)
 - (1) Lift the DADF slightly in the direction of the arrow.
 - (2) Remove the Tapping Screw (x2).

- (3) Remove the DADF Left Lower Cover.

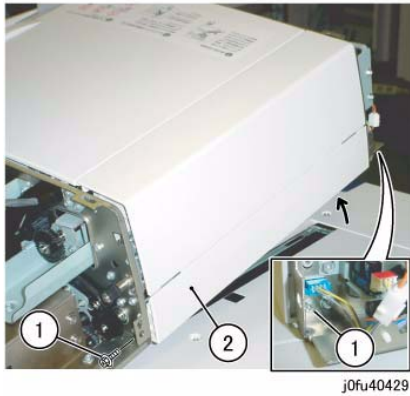


Figure 2 j0fu40429

5. Remove the Regi Out Chute. (Figure 3)
- (1) Disconnect the connector.
 - (2) Remove the screw (x4).
 - (3) Lift the Regi Out Chute slightly in the direction of the arrow and remove it.

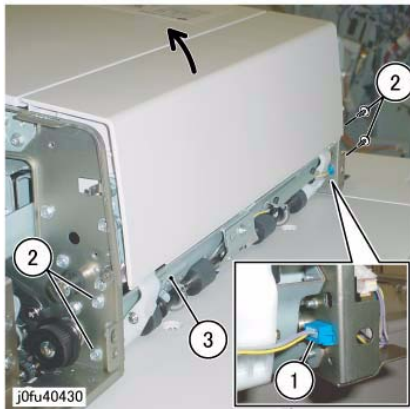


Figure 3 j0fu40430

6. Open the Upper Left Cover. (Figure 4)
- (1) Open the Feeder Upper Chute slightly in the direction of the arrow.
 - (2) Open the DADF Left Upper Cover in the direction of the arrow.

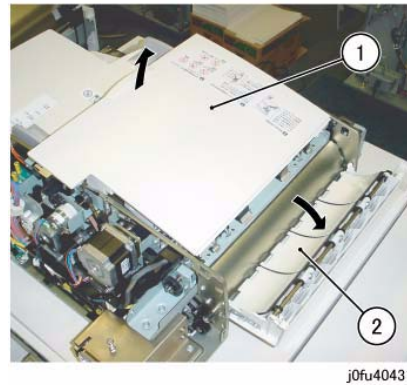


Figure 4 j0fu40431

7. Remove the Upper Left Cover. (Figure 5)
- (1) Remove the screw (x2).
 - (2) Loosen the screw.
 - (3) Remove the Upper Left Cover.

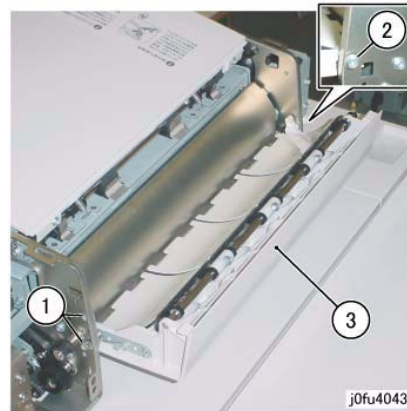


Figure 5 j0fu40432

8. Remove the Baffle Solenoid Assembly. (Figure 6)
- NOTE:** Before removing the Baffle Solenoid Assembly, check and note down the position of the scale.
- (1) Disconnect the connector.
 - (2) Remove the screw (x2).
 - (3) Remove the Baffle Solenoid Assembly.

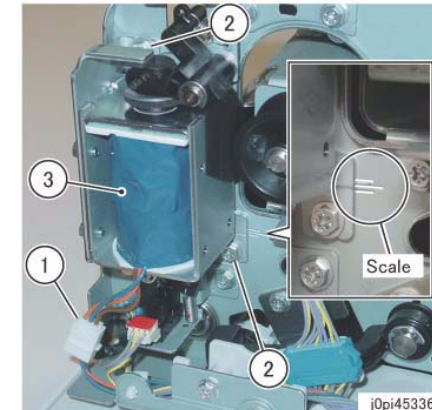


Figure 6 j0pi45336

9. Remove the Sensor Assembly. (Figure 7)
- (1) Disconnect the connector.
 - (2) Remove the screw (x2).
 - (3) Remove the Sensor Assembly.

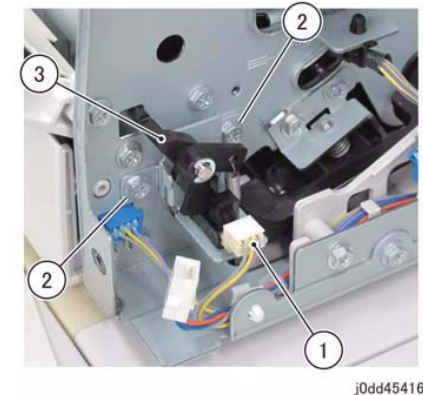


Figure 7 j0dd45416

10. Remove the Regi In Chute. (Figure 8)
- (1) Remove the screw (x2).
 - (2) Remove the Regi In Chute.

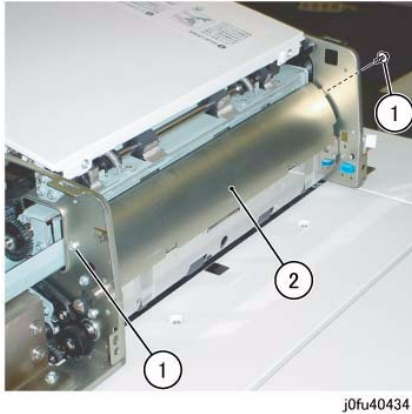


Figure 8 j0fu40434

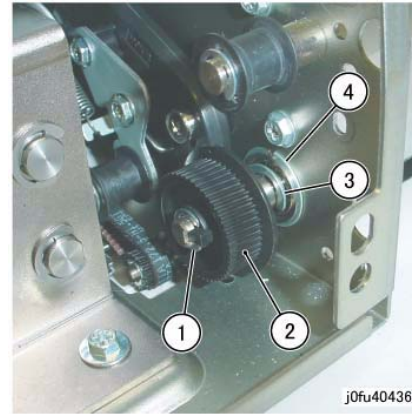


Figure 10 j0fu40436

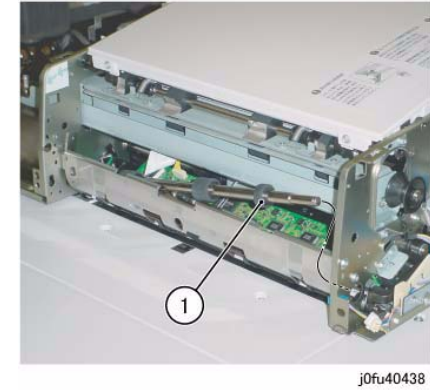


Figure 12 j0fu40438

11. Remove the Lead Regi Sensor Bracket. (Figure 9)
 - (1) Remove the screw.
 - (2) Remove the Lead Regi Sensor Bracket.
 - (3) Disconnect the connector.

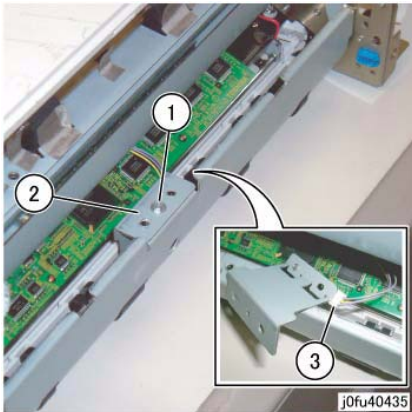


Figure 9 j0fu40435

12. Remove the Pulley and the Bearing at the rear. (Figure 10)
 - (1) Remove the E-Ring.
 - (2) Remove the Pulley.
 - (3) Remove the E-Ring.
 - (4) Remove the Bearing.

13. Remove the Bearing at the front. (Figure 11)
 - (1) Remove the E-Ring.
 - (2) Remove the Bearing.

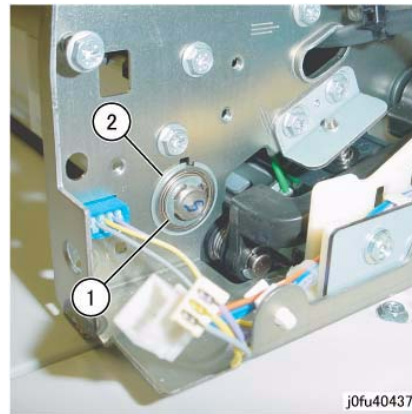


Figure 11 j0fu40437

14. Remove the Regi Roll. (Figure 12)
 - (1) Remove the Regi Roll.

Replacement

1. To install, carry out the removal steps in reverse order taking note of the following:

NOTE: When installing the Baffle Solenoid Assembly, align it to the position of the scale that was noted down earlier to install it.

REP 54.9.1 Platen Motor Belt**Parts List on PL 54.9****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

Replacement

1. Install the Platen Motor Belt as shown in the figure. (Figure 1)

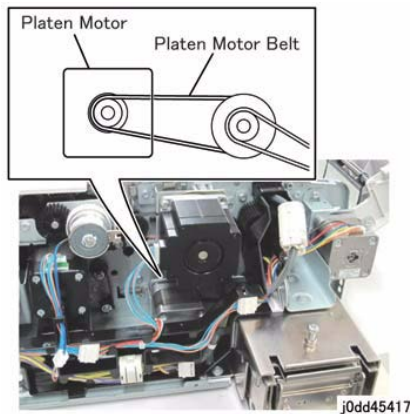


Figure 1 j0dd45417

REP 54.9.2 Out Roll**Parts List on PL 54.9****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the CIS. (REP 54.2.1)
2. Remove the Takeaway Roll. (REP 54.7.1)
3. Remove the Left Counter Balance. (REP 54.3.1)
4. Remove the Clutch Bracket. (Figure 1)
 - (1) Disconnect the connector.
 - (2) Release the wire harness from the harness holder.
 - (3) Remove the spring.
 - (4) Remove the screw (x2).
 - (5) Remove the Clutch Bracket.

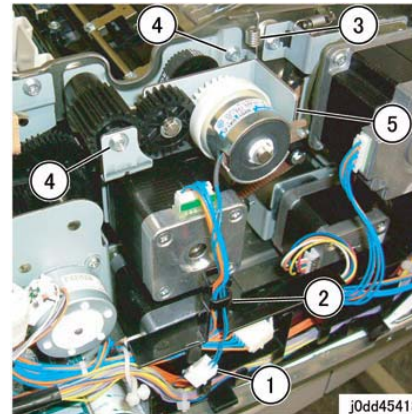


Figure 1 j0dd45418

5. Remove the DADF Feed Motor. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Loosen the screw.
 - (3) Remove the screw.

- (4) Remove the DADF Feed Motor.

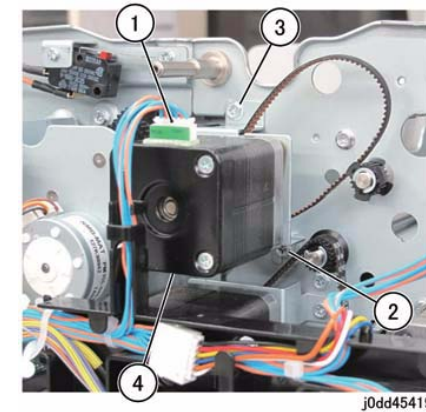


Figure 2 j0dd45419

6. Remove the Inverter Chute. (Figure 3)
 - (1) Remove the Bearing.
 - (2) Remove the Inverter Chute.

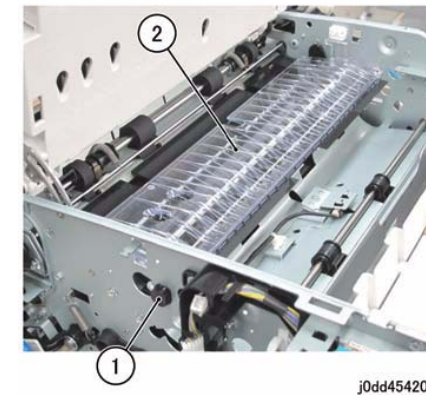


Figure 3 j0dd45420

7. Loosen the screw that maintain the DADF Exit Motor tension and remove the Belt. (Figure 4)
 - (1) Loosen the screw (x2).
 - (2) Push the DADF Exit Motor in the direction of the arrow.
 - (3) Remove the Belt.

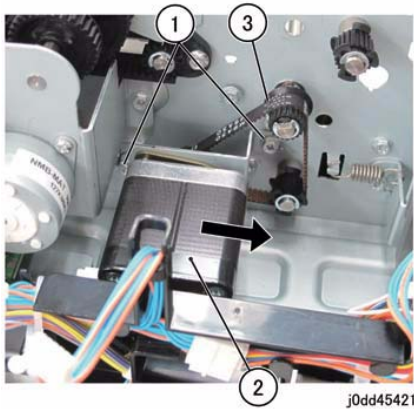


Figure 4 j0dd45421

8. Remove the Exit 1 Roll. (Figure 5)
 - (1) Remove the E-Ring.
 - (2) Remove the Pulley.
 - (3) Remove the E-Ring.
 - (4) Remove the Bearing.
 - (5) Remove the E-Ring.
 - (6) Remove the Bearing.
 - (7) Remove the Exit 1 Roll.

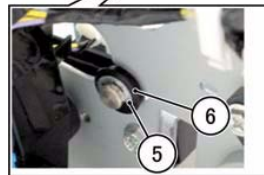
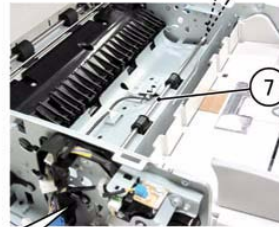
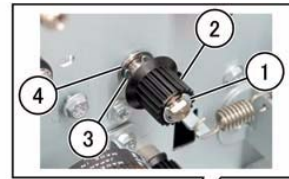


Figure 5 j0dd45422

9. Move the Harness Guide in the direction of the arrow. (Figure 6)
 - (1) Remove the screw (x2).
 - (2) Move the Harness Guide.

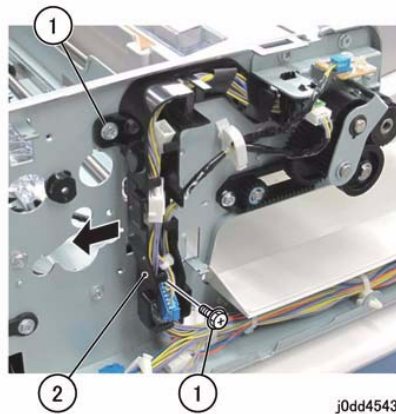


Figure 6 j0dd45432

10. Disconnect the connector. (Figure 7)

- (1) Disconnect the connector.
- (2) Remove the clamp (x2) of the wire harness.
- (3) Remove the clamp.

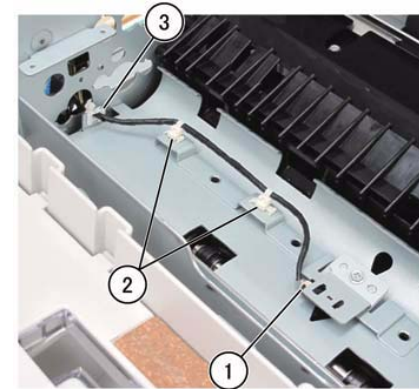


Figure 7 j0dd45430

11. Remove the Exit Upper Chute. (Figure 8)
 - (1) Remove the screw (x4).
 - (2) Remove the Exit Upper Chute.

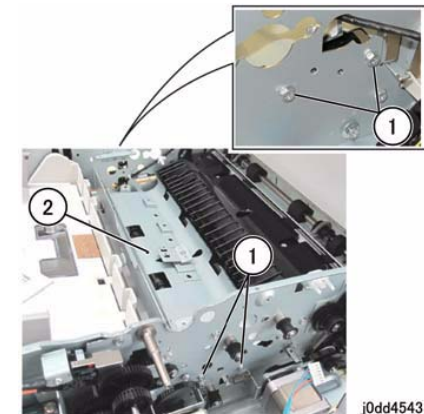
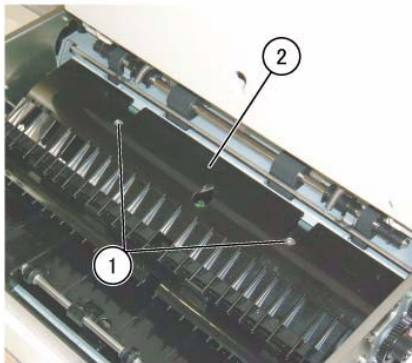


Figure 8 j0dd45431

12. Remove the Guide Upper Chute. (Figure 9)
 - (1) Remove the screw (x2).
 - (2) Remove the Guide Upper Chute.

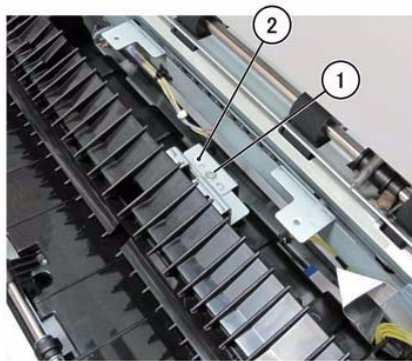


j0fu40463

Figure 9 j0fu40463

13. Remove the Out Sensor Bracket. (Figure 10)

- (1) Remove the screw.
- (2) Remove the Out Sensor Bracket.

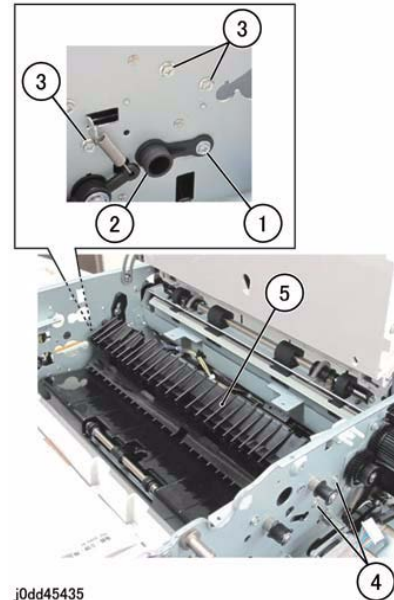


j0dd45434

Figure 10 j0dd45434

14. Move the Guide Chute. (Figure 11)

- (1) Remove the screw.
- (2) Remove the Arm.
- (3) Remove the Tapping Screw (x3).
- (4) Remove the Tapping Screw (x2).
- (5) Move the Guide Chute.

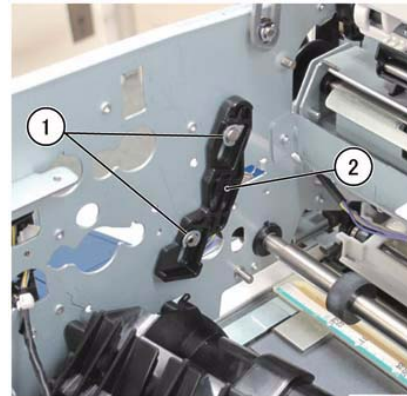


j0dd45435

Figure 11 j0dd45435

15. Remove the Front Link. (Figure 12)

- (1) Remove the E-Clip (x2).
- (2) Remove the Front Link.



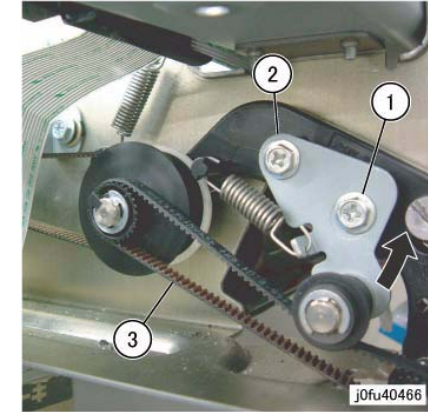
j0dd45436

Figure 12 j0dd45436

16. Remove the Guide Chute.

17. Remove the Belt from the Pulley. (Figure 13)

- (1) Loosen the screw of the Tension Bracket.
- (2) Slide the Tension Bracket in the direction of the arrow.
- (3) Remove the Belt from the Pulley.

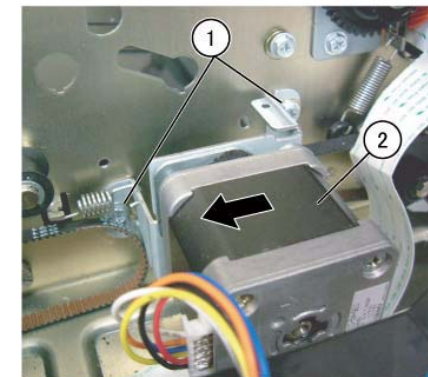


j0fu40466

Figure 13 j0fu40466

18. Relax the Platen Motor tension. (Figure 14)

- (1) Loosen the screw (x2) that secure the Platen Motor.
- (2) Move the Platen Motor in the direction of the arrow.



j0fu40467

Figure 14 j0fu40467

19. Remove the Pulley and the Shoulder Screw. (Figure 15)

- (1) Remove the E-Ring.
- (2) Remove the Pulley.

- (3) Remove the Shoulder Screw.

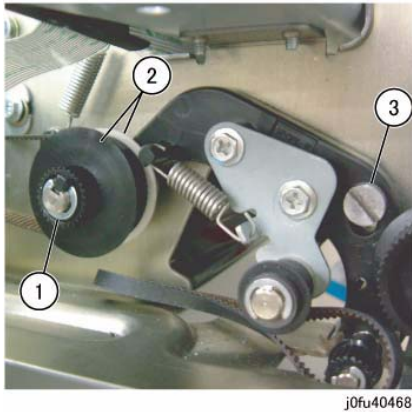


Figure 15 j0fu40468

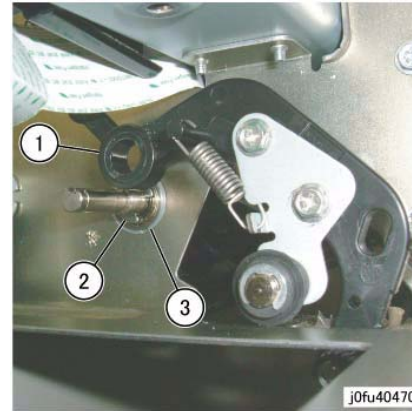


Figure 17 j0fu40470

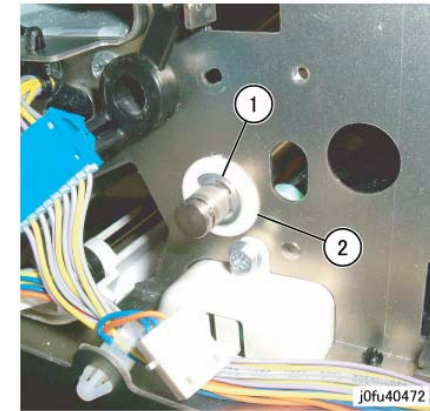


Figure 19 j0fu40472

20. Remove the Pulley of the Regi Roll. (Figure 16)
 (1) Remove the E-Ring.
 (2) Remove the Pulley.

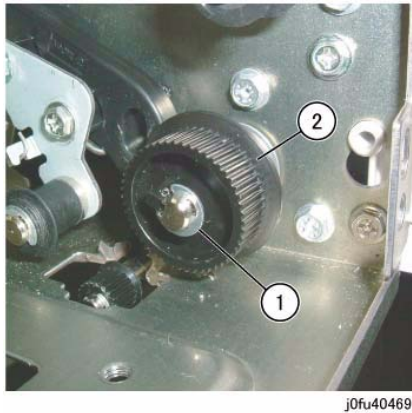


Figure 16 j0fu40469

22. Remove the Platen Front Link from the shaft. (Figure 18)
 (1) Remove the spring.
 (2) Remove the E-Ring.
 (3) Remove the Platen Front Link from the shaft.

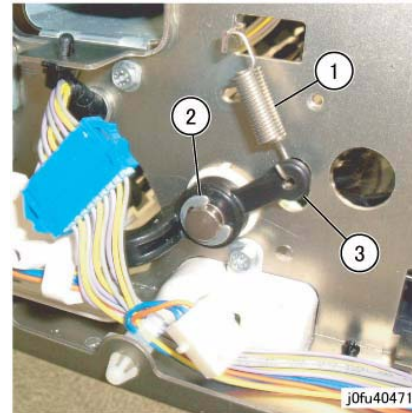


Figure 18 j0fu40471

24. Remove the Out Roll. (Figure 20)
 (1) Remove the Out Roll.



Figure 20 j0fu40473

21. Remove the Platen Rear Link from the shaft and remove the Bearing. (Figure 17)
 (1) Remove the Platen Rear Link from the shaft.
 (2) Remove the E-Ring.
 (3) Remove the Bearing.

23. Remove the Bearing. (Figure 19)
 (1) Remove the E-Ring.
 (2) Remove the Bearing.

Replacement

1. To install, carry out the removal steps in reverse order.

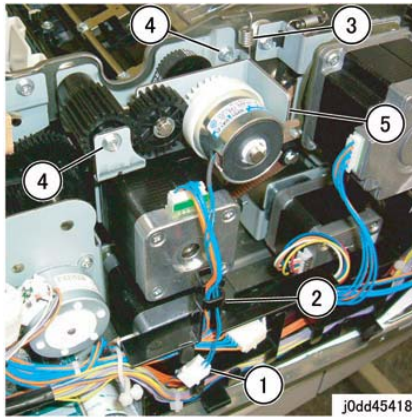
REP 54.10.1 Exit 1 Roll**Parts List on PL 54.10****Removal****WARNING**

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

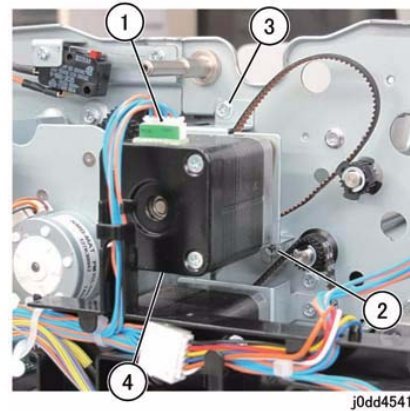
Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Takeaway Roll. (REP 54.7.1)
2. Remove the Clutch Bracket. (Figure 1)

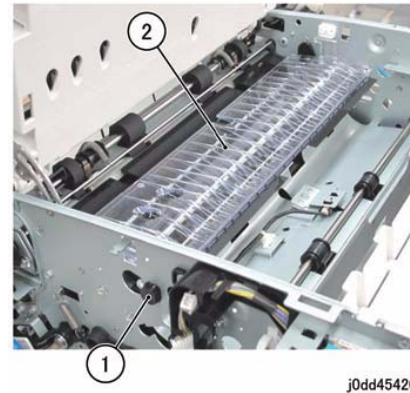
- (1) Disconnect the connector.
- (2) Release the wire harness from the harness holder.
- (3) Remove the spring.
- (4) Remove the screw (x2).
- (5) Remove the Clutch Bracket.

**Figure 1 j0dd45418**

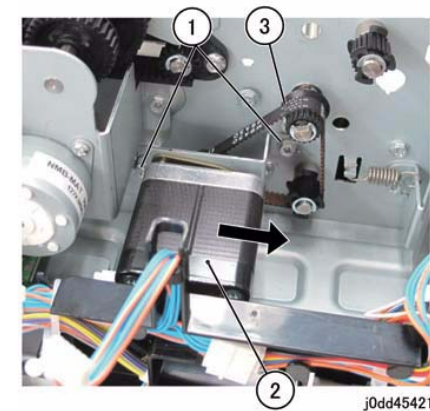
3. Remove the DADF Feed Motor. (Figure 2)
 - (1) Disconnect the connector.
 - (2) Loosen the screw.
 - (3) Remove the screw.
 - (4) Remove the DADF Feed Motor.

**Figure 2 j0dd45419**

4. Remove the Inverter Chute. (Figure 3)
 - (1) Remove the Bearing.
 - (2) Remove the Inverter Chute.

**Figure 3 j0dd45420**

5. Loosen the screw that fix the tension of the DADF Exit Motor. Loosen the tension and remove the Belt. (Figure 4)
 - (1) Loosen the screw (x2).
 - (2) Push the DADF Exit Motor in the direction of the arrow.
 - (3) Remove the Belt.

**Figure 4 j0dd45421**

6. Remove the Exit 1 Roll. (Figure 5)
 - (1) Remove the E-Ring.
 - (2) Remove the Pulley.
 - (3) Remove the E-Ring.
 - (4) Remove the Bearing.
 - (5) Remove the E-Ring.
 - (6) Remove the Bearing.
 - (7) Remove the Exit 1 Roll.

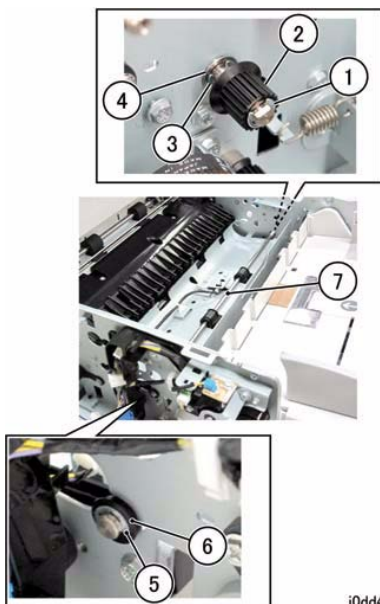


Figure 5 j0dd45422

j0dd45422

Replacement

- To install, carry out the removal steps in reverse order.

REP 54.10.2 Exit Motor Belt

Parts List on PL 54.10

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

Replacement

- Install the DADF Exit Motor Belt as shown in the figure. (Figure 1)

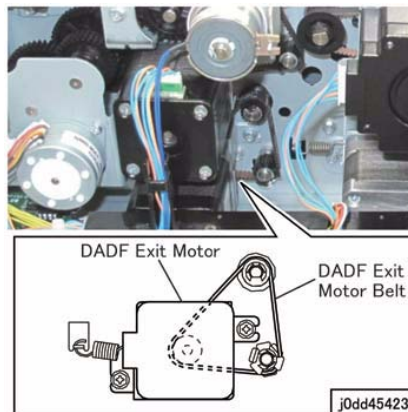


Figure 1 j0dd45423

j0dd45423

REP 54.18.1 Feeder Roll

Parts List on PL 54.18

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

- Remove the Feeder Upper Cover of the Feeder Upper Chute. (Figure 1)
 - Open the Feeder Upper Chute.
 - Remove the Tapping Screw (x2).
 - Remove the Feeder Upper Cover.

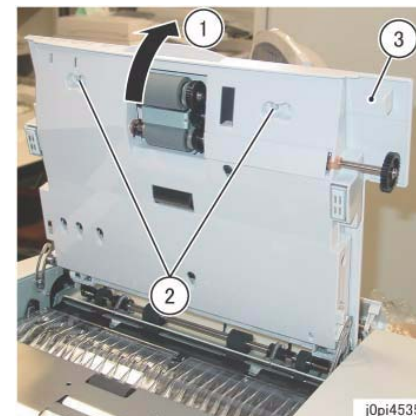


Figure 1 j0pi45359

j0pi45359

- Remove the Tension Spring. (Figure 2)
 - Remove the screw.
 - Remove the Plate Spring.
 - Remove the Tension Spring.

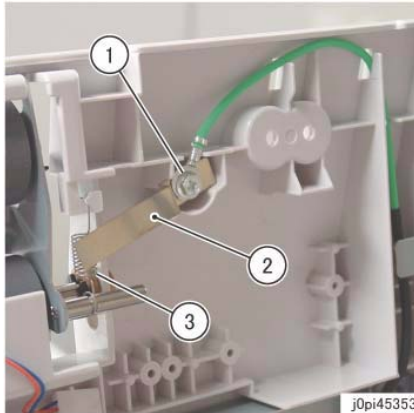


Figure 2 j0pi45353

3. Remove the Chute Guide. (Figure 3)
 - (1) Remove the Chute Guide.

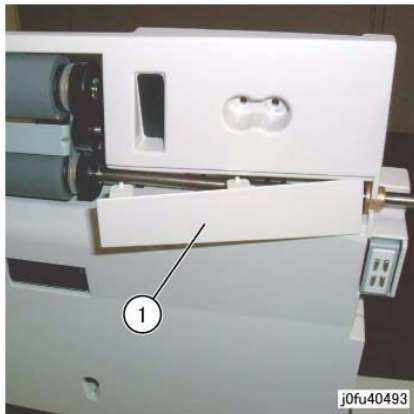


Figure 3 j0fu40493

4. Remove the KL-Clip at the rear and move the Bearing in the direction of the arrow. (Figure 4)
 - (1) Remove the KL-Clip.
 - (2) Move the Bearing in the direction of the arrow.

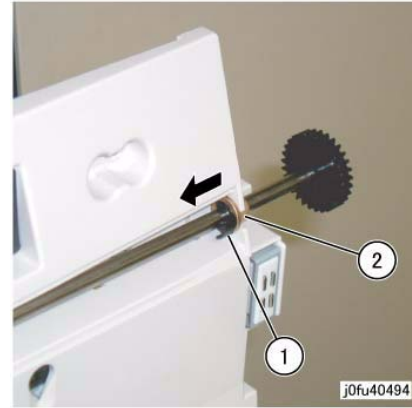


Figure 4 j0fu40494

5. Remove the KL-Clip at the front and move the Bearing in the direction of the arrow. (Figure 5)
 - (1) Remove the KL-Clip.
 - (2) Move the Bearing in the direction of the arrow.

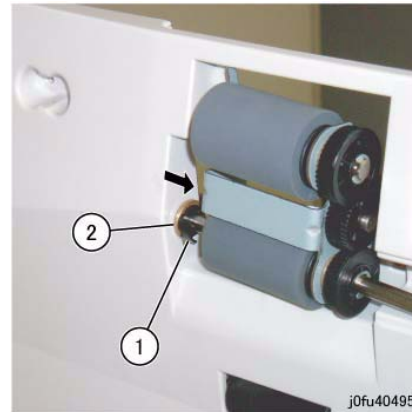


Figure 5 j0fu40495

6. Remove the Feeder/Nudger Roll Component. (Figure 6)
 - (1) Remove the Feeder/Nudger Roll Component.

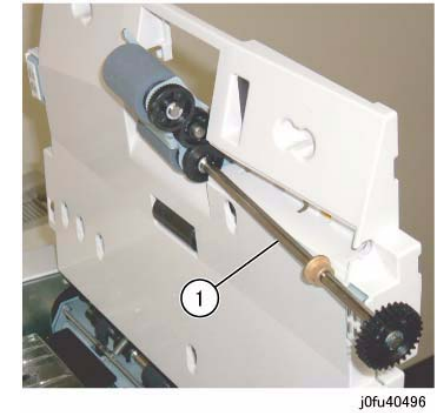


Figure 6 j0fu40496

7. Remove the KL-Clip of the Feed Roll. (Figure 7)
 - (1) Remove the KL-Clip.

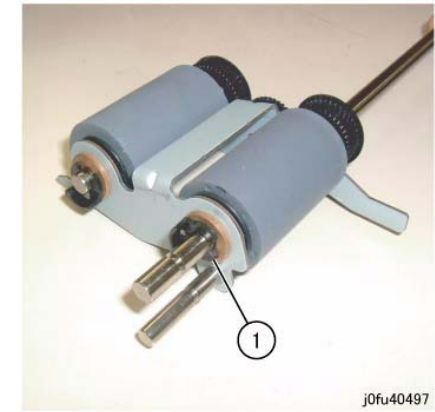


Figure 7 j0fu40497

8. Remove the Feed Roll. (Figure 8)
 - (1) Remove the Feed Shaft.
 - (2) Remove the Feed Roll.

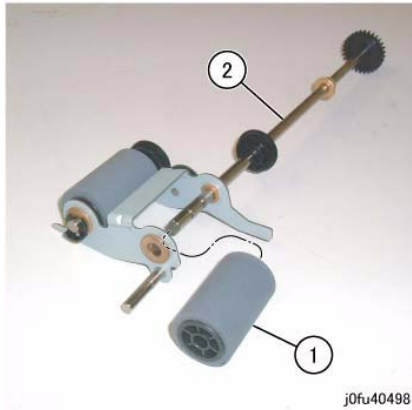


Figure 8 j0fu40498

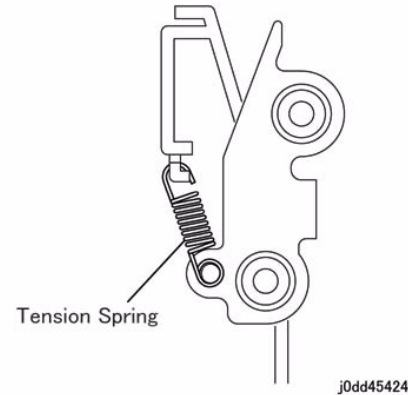


Figure 10 j0dd45424

REP 54.18.2 Nudger Roll

Parts List on PL 54.18

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the Feeder Upper Cover of the Feeder Upper Chute. (Figure 1)
 - (1) Open the Feeder Upper Chute.
 - (2) Remove the Tapping Screw (x2).
 - (3) Remove the Feeder Upper Cover.

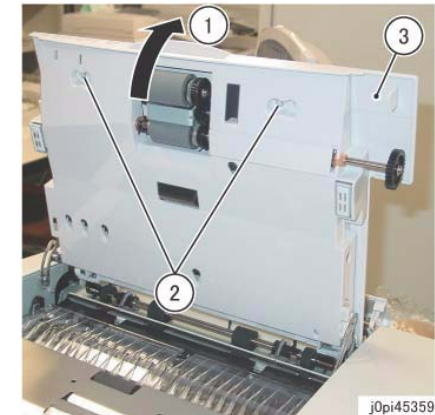


Figure 1 j0pi45359

Replacement

1. To install, carry out the removal steps in reverse order.
2. For the direction to install the Feed Roll, install it as shown in the figure. (Figure 9)

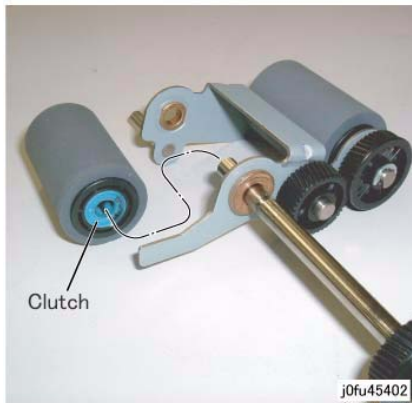


Figure 9 j0fu45402

3. Install the Tension Spring as shown in the figure. (Figure 10)

2. Remove the Tension Spring. (Figure 2)
 - (1) Remove the screw.
 - (2) Remove the Plate Spring.
 - (3) Remove the Tension Spring.

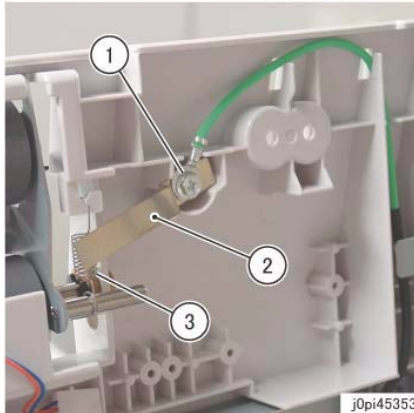


Figure 2 j0pi45353

3. Remove the Chute Guide. (Figure 3)
 - (1) Remove the Chute Guide.

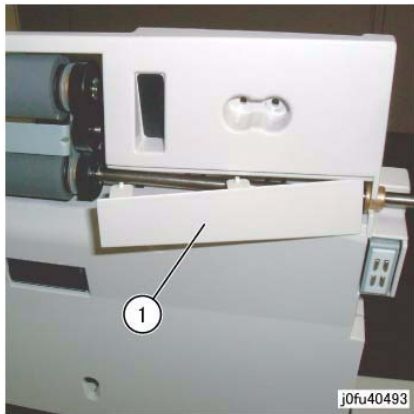


Figure 3 j0fu40493

4. Remove the KL-Clip at the rear and move the Bearing in the direction of the arrow. (Figure 4)
 - (1) Remove the KL-Clip.
 - (2) Move the Bearing in the direction of the arrow.

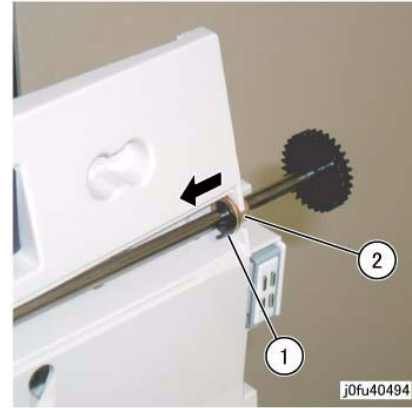


Figure 4 j0fu40494

5. Remove the KL-Clip at the front and move the Bearing in the direction of the arrow. (Figure 5)
 - (1) Remove the KL-Clip.
 - (2) Move the Bearing in the direction of the arrow.

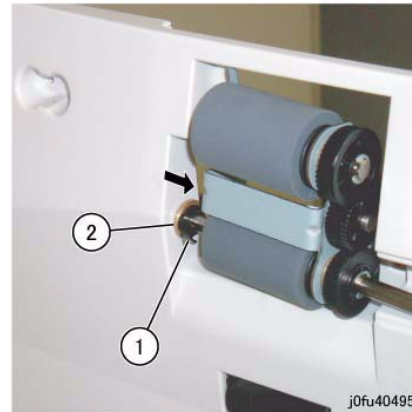


Figure 5 j0fu40495

6. Remove the Feeder/Nudger Roll Component. (Figure 6)
 - (1) Remove the Feeder/Nudger Roll Component.

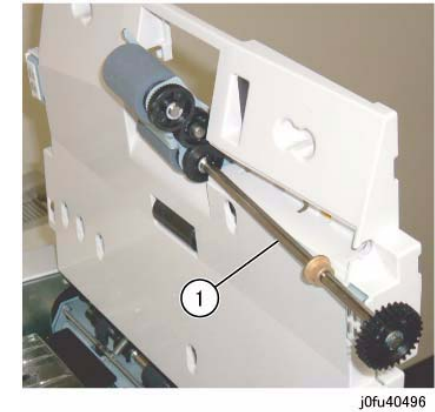


Figure 6 j0fu40496

7. Remove the KL-Clip of the Nudger Roll. (Figure 7)
 - (1) Remove the KL-Clip.

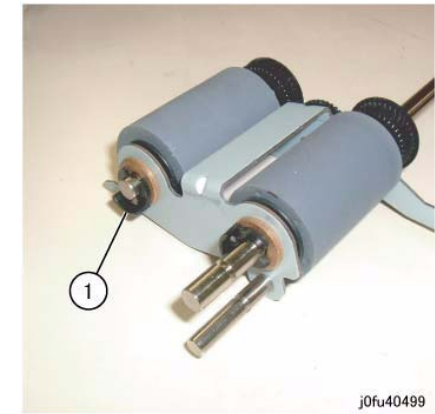


Figure 7 j0fu40499

8. Remove the Nudger Roll. (Figure 8)
 - (1) Remove the Nudger Shaft.
 - (2) Remove the Nudger Roll.

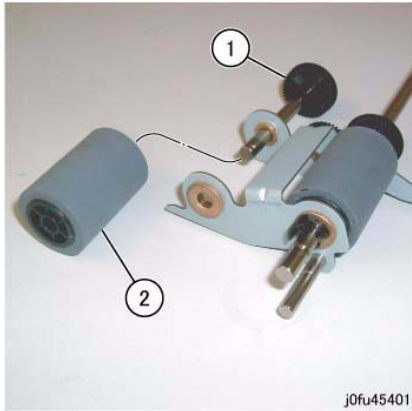


Figure 8 j0fu45401

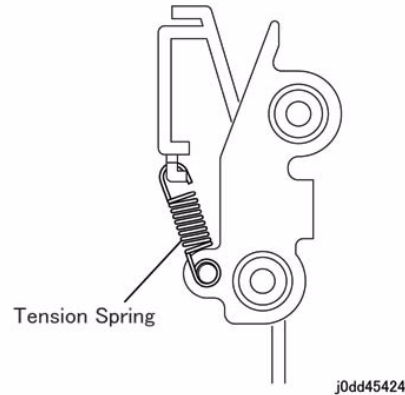


Figure 10 j0dd45424

REP 54.20.1 Tension Spring

Parts List on PL 54.20

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

Replacement

1. Install the Tension Spring as shown in the figure. (Figure 1)
(A) Install such that the hook is on the inside.

Replacement

1. To install, carry out the removal steps in reverse order.
2. For the direction to install the Nudger Roll, install it as shown in the figure. (Figure 9)

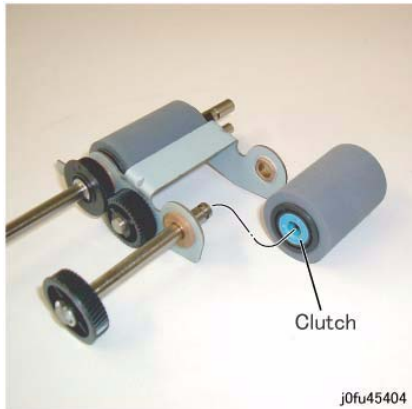


Figure 9 j0fu45404

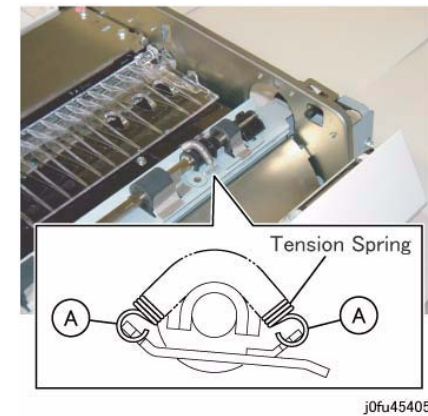


Figure 1 j0fu45405

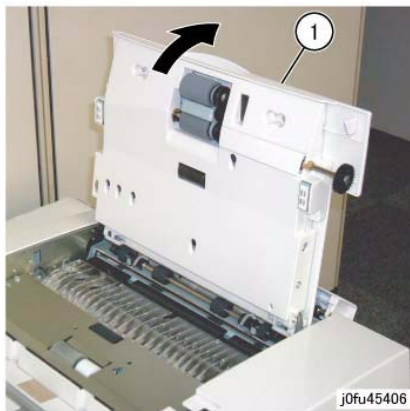
3. Install the Tension Spring as shown in the figure. (Figure 10)

REP 54.21.1 Retard Roll**Parts List on PL 54.21****Removal****WARNING**

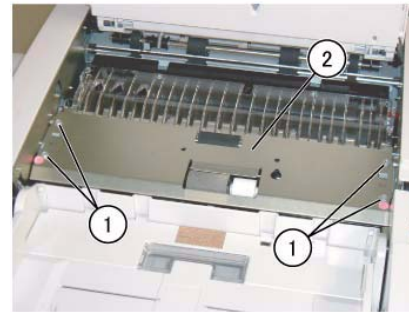
When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

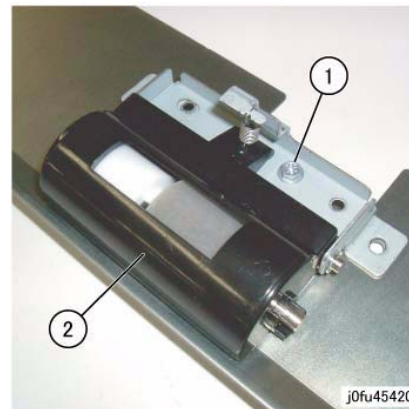
1. Open the Feeder Upper Chute. (Figure 1)
- (1) Open the Feeder Upper Chute.

**Figure 1 j0fu45406**

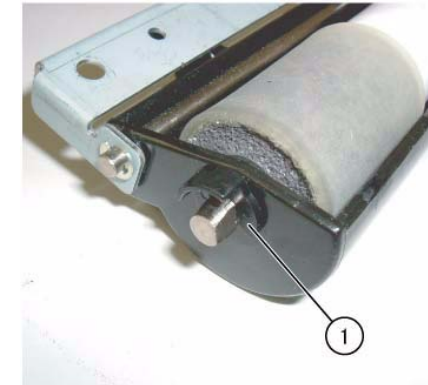
2. Remove the Feeder Lower Chute. (Figure 2)
- (1) Remove the screw (x4).
- (2) Remove the Feeder Lower Chute.

**Figure 2 j0fu45419**

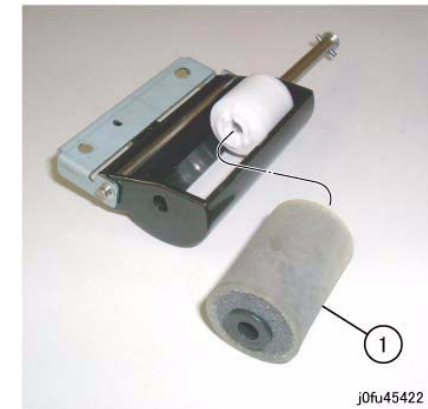
3. Remove the Retard Roll Housing Assembly. (Figure 3)
- (1) Remove the screw.
- (2) Remove the Retard Roll Housing Assembly.

**Figure 3 j0fu45420**

4. Remove the Retard Roll. (Figure 4)
- (1) Remove the KL-Clip.

**Figure 4 j0fu45421**

5. Remove the Retard Roll. (Figure 5)
- (1) Remove the Retard Roll.

**Figure 5 j0fu45422****Replacement**

1. To install, carry out the removal steps in reverse order.

REP 54.22.1 DADF Out Sensor

Parts List on PL 54.22

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Open the Feeder Upper Chute in the direction of the arrow.
(Figure 1)
 - (1) Open the Feeder Upper Chute.

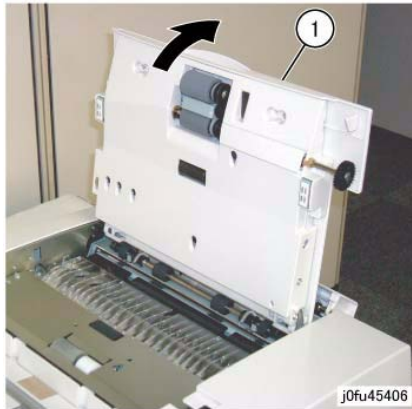
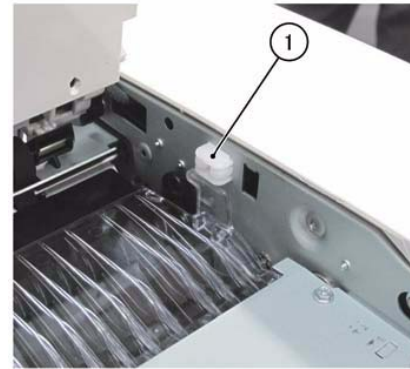


Figure 1 j0fu45406

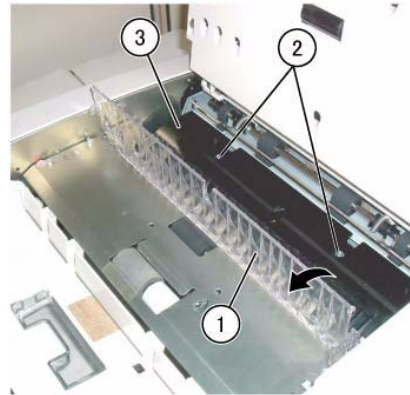
2. Remove the stopper. (Figure 2)
 - (1) Remove the stopper.



j0dd45425

Figure 2 j0dd45425

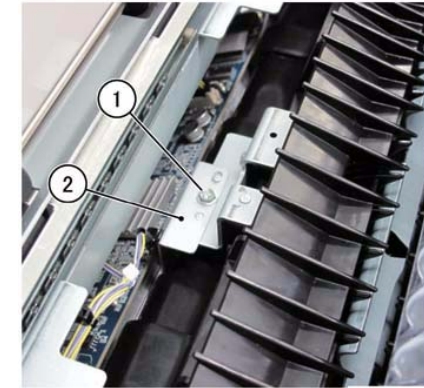
3. Remove the Guide Upper Chute. (Figure 3)
 - (1) Open the Invert Chute.
 - (2) Remove the screw (x2).
 - (3) Remove the Guide Upper Chute.



j0fu45407

Figure 3 j0fu45407

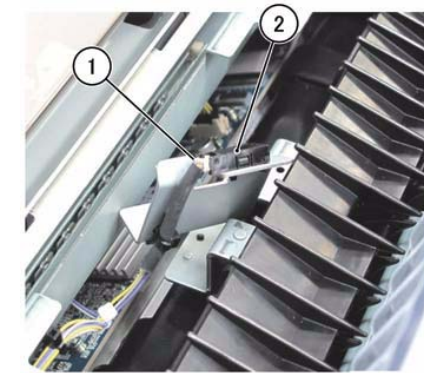
4. Remove the OUT Sensor Bracket. (Figure 4)
 - (1) Remove the screw.
 - (2) Remove the Out Sensor Bracket.



j0dd45426

Figure 4 j0dd45426

5. Remove the DADF Out Sensor from the Sensor Bracket. (Figure 5)
 - (1) Disconnect the connector.
 - (2) Remove the DADF Out Sensor.



j0dd45427

Figure 5 j0dd45427

Replacement

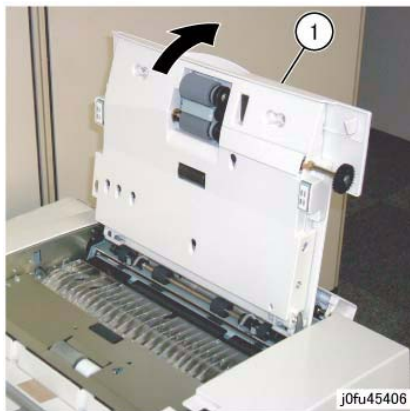
1. To install, carry out the removal steps in reverse order.

REP 54.23.1 DADF Exit Sensor**Parts List on PL 54.23****Removal****WARNING**

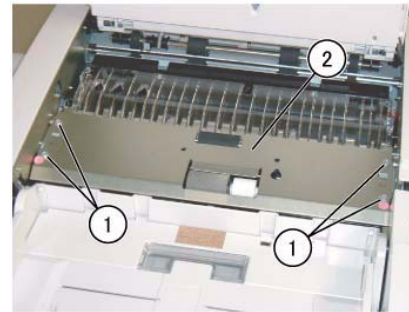
When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Open the Feeder Upper Chute. (Figure 1)
- (1) Open the Feeder Upper Chute.

**Figure 1 j0fu45406**

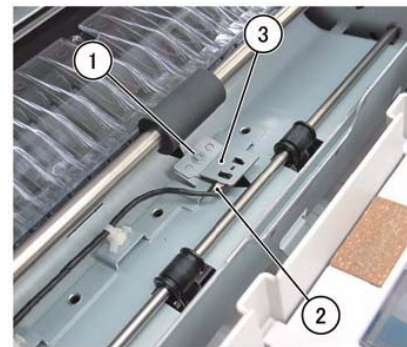
2. Remove the Feeder Lower Chute. (Figure 2)



j0fu45419

Figure 2 j0fu45419

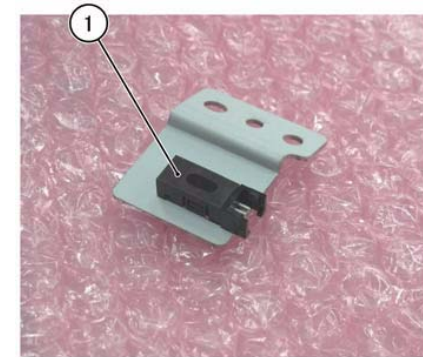
3. Remove the DADF Exit Sensor Bracket. (Figure 3)
- (1) Disconnect the connector.
- (2) Remove the screw.
- (3) Remove the DADF Exit Sensor Bracket.



j0dd45428

Figure 3 j0dd45428

4. Remove the DADF Exit Sensor. (Figure 4)
- (1) Remove the DADF Exit Sensor.



j0dd45429

Figure 4 j0dd45429**Replacement**

1. To install, carry out the removal steps in reverse order.

REP 54.25.1 DADF Regi Sensor

Parts List on PL 54.25

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

1. Remove the DADF Front Cover. (PL 54.2)
Installation screw: x2 at the bottom
2. Remove the DADF Rear Cover. (PL 54.2)
Installation screw: x2 at the rear
3. Remove the DADF Left Lower Cover. (Figure 1)
 - (1) Remove the Tapping Screw (x2).
 - (2) Remove the DADF Left Lower Cover.

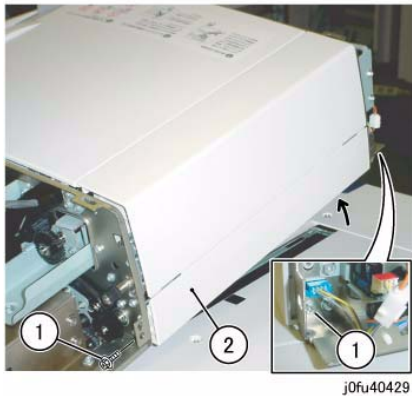


Figure 1 j0fu40429

4. Remove the DADF Regi Sensor Bracket. (Figure 2)
 - (1) Remove the screw.
 - (2) Remove the DADF Regi Sensor Bracket.

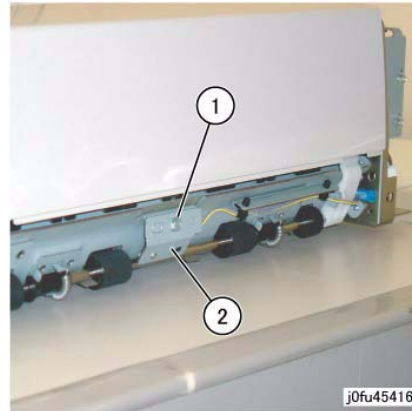


Figure 2 j0fu45416

5. Remove the DADF Regi Sensor from the Sensor Bracket. (Figure 3)
 - (1) Disconnect the connector.
 - (2) Remove the screw.
 - (3) Remove the DADF Regi Sensor.

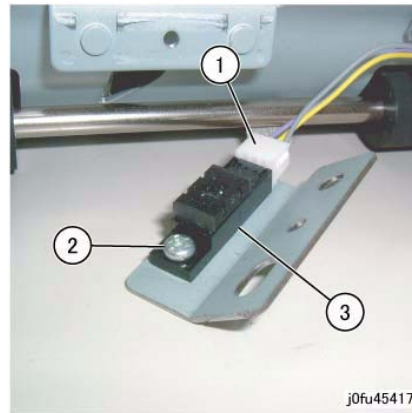


Figure 3 j0fu45417

Replacement

1. To install, carry out the removal steps in reverse order.

REP 54.25.2 Tension Spring

Parts List on PL 54.25

Removal

WARNING

When turning OFF the power switch, check that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF.

Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker and then unplug the power plug.

Replacement

1. Install the Tension Spring as shown in the figure. (Figure 1)
(A) Install such that the hook is on the inside.

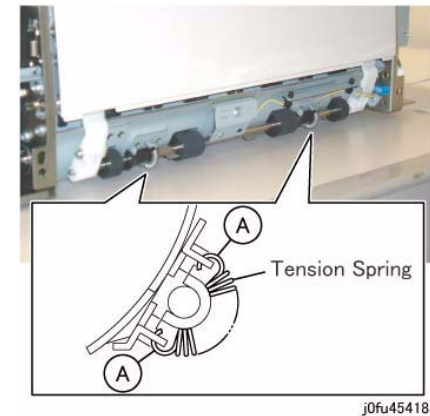


Figure 1 j0fu45418

REP 99.1.1 (SCC) Safety Critical Components

Removal

WARNING

Any part marked with SCC is a Safety Critical Component. As to replacement of any SCC, the complete component unit must be replaced. It must never be disassembled or no individual internal parts of it must be replaced. Further, when a spare part is provided with the instructions, the CEs are required to follow them.

Installation of any part other than the ones designated by Fuji Xerox Co. Ltd. shall be strictly prohibited because it cannot be guaranteed in quality and safety.

ADJ 1.1.1 Full/Half Rate Carriage Position Adjustment

Parts List on PL 1.1

Purpose

Adjust the position of the Full Rate/Half Rate Carriage.

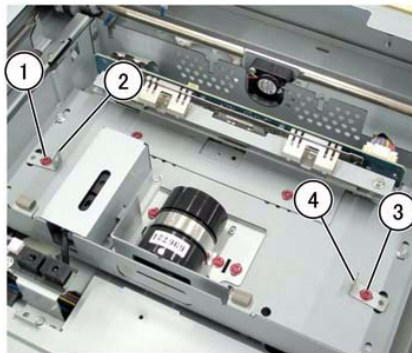
Adjustment

WARNING

Make sure that all jobs have been completed. Check that the "Online" lamp is OFF and turn OFF the power.

After turning OFF the power of the machine, turn OFF the breaker switch and unplug the power plug from the outlet.

1. Secure the DADF at the service position. (REP 54.1.2)
2. Remove the IIT Right Cover. (PL 1.2)
3. Remove the Right Plate. (PL 1.5)
4. Remove the Platen Glass. (PL 1.5)
5. Remove the Lens Cover. (PL 1.5)
 - Installation screw: x5 at the top
6. Remove the screw (Red) that secure the Jig (x2) and remove them. (Figure 1)
 - (1) Remove the screw (Red).
 - (2) Remove the Jig.
 - (3) Remove the screw (Red).
 - (4) Remove the Jig.

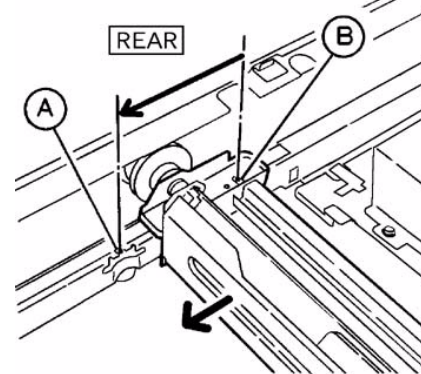


j0hk40130

Figure 1 j0hk40130

7. Align the Jig hole of the Half Rate Carriage with the Jig hole of the Rail. (Front and rear) (Figure 2)

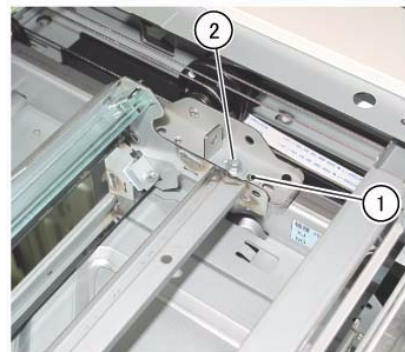
- (A) Jig hole of the Rail
(B) Jig hole of the Half Rate Carriage



j0fu40554

Figure 2 j0fu40554

8. Install the Jig of the Half Rate Carriage. (Front and rear) (Figure 3)
 - (1) Install the Jig. (Front and rear)
 - (2) Secure it by using the screw.

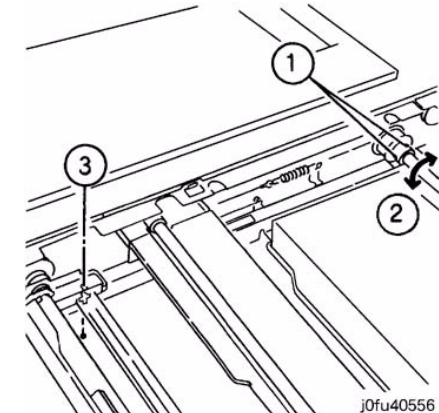


j0hk40131

Figure 3 j0hk40131

9. If unable to install the Jig because the Jig hole cannot be aligned, change the position where the Capstan Pulley is fixed. (Figure 4)
 - (1) Loosen the Setscrew (x2).
 - (2) Turn the Capstan Pulley.

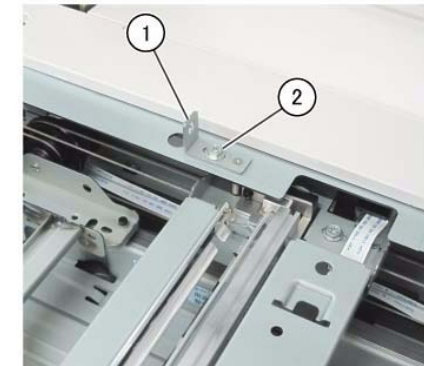
- (3) Align the Jig hole.



j0fu40556

Figure 4 j0fu40556

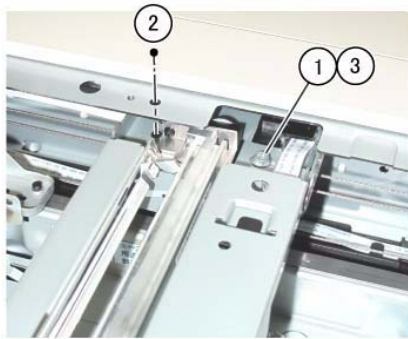
10. Check that the Jig hole of the IIT Frame and the Full Rate Carriage are aligned. (Front and rear) (Figure 5)
 - (1) Install the Jig. (Front and rear)
 - (2) Secure it by using the screw.



j0hk40132

Figure 5 j0hk40132

11. If unable to install the Jig because the Jig hole cannot be aligned, loosen the fixing screw of the Carriage Cable. (Figure 6)
 - (1) Loosen the screw.
 - (2) Move the Full Rate Carriage to align the Jig hole.
 - (3) Tighten the screw.



j0hk40133

Figure 6 j0hk40133

ADJ 1.1.2 IIT Lead Edge Registration

Purpose

To adjust the IIT scan timing in the Slow Scan direction and to correct the copy position.

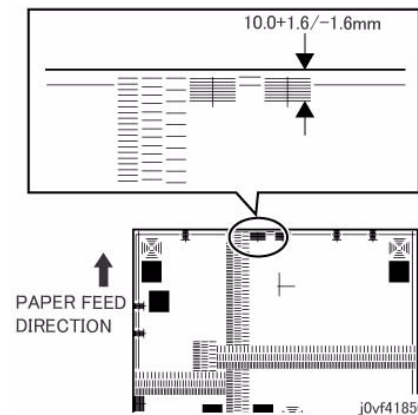
CAUTION

Avoid using this procedure when performing the adjustment of the Lead Edge Registration. This procedure should be performed only when the actual IIT Regi is not appropriate. This is because the IIT Lead Edge Registration affects the precision of the document size detection, etc.

NOTE: Before performing this procedure, make sure that the IOT Lead Edge Registration is appropriate. (Refer to ADJ 18.1.1 DC126 System Registration Adjustment in Chapter 4.)

Check

- Place the Test Chart (499T 00247) on the Platen Glass correctly and make a copy in the following copy mode:
 - Copy Mode: Black
 - Paper Size: A3
 - Reduce / Enlarge: 100%
 - No. of Copies: 2
- Check that the distance between the lead edge of the 2nd copy and the reference line is 10.0 +/-1.6 mm or the same as the dimension on the Test Chart. (Figure 1)



j0vf41850

Figure 1 j0vf41850

- If the value is not within the specified range, adjust it as follows:

Adjustment

- Enter DC131[715-050].
- Change the value.
 - Change amount for 1 step: 0.036 mm
 - Increment of the value: The image moves towards the Lead Edge.
 - Decrement of the value: The image moves towards the Tail Edge.

ADJ 1.1.3 IIT Side Registration

Purpose

To adjust the IIT scan timing in the Fast Scan direction and to correct the copy position.

CAUTION

Avoid using this procedure when performing the adjustment of the Side Registration. This procedure should be performed only when the actual IIT Regi is not appropriate. This is because the IIT Side Registration affects the precision of the document size detection, etc.

NOTE: Before performing this procedure, make sure that the IOT Lead Edge Registration is appropriate. (Refer to ADJ 18.1.1 DC126 System Registration Adjustment in Chapter 4.)

Check

1. Load A3 paper into Tray 2.
2. Place the Test Chart (499T 00247) on the Platen Glass correctly and make a copy in the following copy mode:
 - Copy Mode: Black
 - Paper Tray: Tray 2
 - Reduce / Enlarge: 100%
 - No. of Copies: 2
3. Check that the distance between the side edge of the 2nd copy and the specified value is 10.0 ± 2.1 mm or the same as the dimension on the Test Chart. (Figure 1)

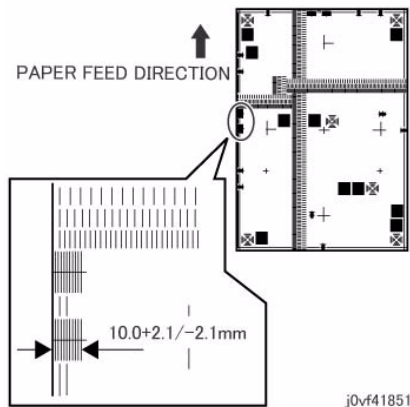


Figure 1 j0vf41851

4. If the value is not within the specified range, adjust it as follows:

Adjustment

1. Enter DC131[715-053].
2. Change the value.
 - Change amount for 1 step: 0.0846 mm
 - Increment of the value: The image moves towards the OUT side.
 - Decrement of the value: The image moves towards the IN side.

ADJ 1.1.4 IIT Vertical/Horizontal Reduce/Enlarge

Purpose

To correct the horizontal (fast scan)/vertical (slow scan) Reduce/Enlarge ratio for a 100% copy.

CAUTION

Avoid performing this procedure. This procedure should only be performed when the actual IIT magnification is not correct.

NOTE: Before performing this procedure, make sure that the IOT horizontal/vertical Reduce/Enlarge ratios are correct.

Check

1. Place the Test Chart (499T 00247) on the Platen Glass correctly and make a copy in the following copy mode:
 - Copy Mode: Black
 - Document Type: Text/Photo
 - Paper: A3
 - Reduce / Enlarge: 100%
 - No. of Copies: 2
2. Check the 2nd copy for the following: Figure 1

NOTE: Refer to Figures 1 and 2 for this procedure.

- (1) Horizontal Reduce/Enlarge: (Figure 1)
Check that the distance between the two points is 200 ± 1 mm or the same as the dimension on the Test Chart.
If the value is not within the specified range, adjust it as follows:
- (2) Vertical Reduce/Enlarge: (Figure 2)
Check that the distance between the two points is 300 ± 1.5 mm or the same as the dimension on the Test Chart.
If the value is not within the specified range, adjust it as follows:

(Figure 1)

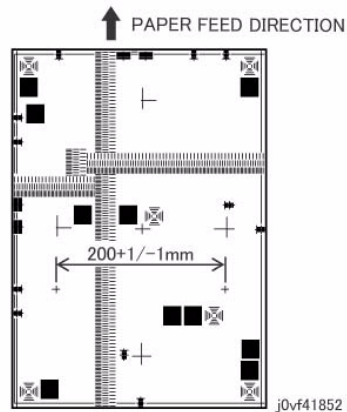


Figure 1 j0vf41852

(Figure 2)

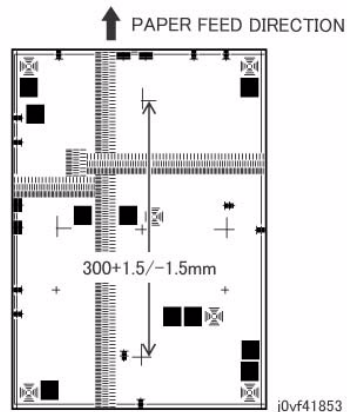


Figure 2 j0vf41853

Horizontal Reduce/Enlarge Adjustment

NOTE: This adjustment may cause the following secondary problem to occur.

- Deterioration of resolution because of the ASIC digital correction. Also, the TI separation failure will occur more easily.

Adjustment

1. Change the following NVM values.
 - For Platen: DC131[715-702]

- For CVT: DC131[715-703]
- Change amount for 1 step: 0.1%
- Increment of the value: Enlargement direction
- Decrement of the value: Reduction direction

Example of a Vertical Reduce/Enlarge ratio Adjustment

NOTE: If this adjustment causes the shift at the IOT to be absorbed by the IIT, the following secondary problem may occur.

- RGB does not overlap, causing a color shift, while checking error for BW/Color originals and TI separation failure will occur more easily.

Adjustment

1. Enter DC131 [715-051].
2. Change the value.
 - Change amount for 1 step: 0.1%
 - Increment of the value: Enlargement direction
 - Decrement of the value: Reduction direction

ADJ 1.1.5 DC945 IIT Calibration

Purpose

There are a total of 6 adjustments for the IIT calibration - 3 for Side 1 and 3 for Side 2 as follows.

1. <White Reference Adjustment> Calculates and sets the White Reference Correction Coefficient.
When to perform: At shipment and after replacing the Platen Glass, Lamp, Lens Unit, or CCD. Also, [CCD Calibration] is to be performed after performing the [White Reference Adjustment].
2. <CCD Calibration> Corrects the IIT sensitivity dispersion.
When to perform: At shipment and after replacing the Platen Glass, Lamp, Lens Unit, or CCD. Also, [CCD Calibration] is to be performed after performing the [White Reference Adjustment].
3. <Optical Axis Correction> Reads the glass registration position (lead/side) at the platen opening and calculates the amount of registration skew based on the variation from the target value.
When to perform: After replacing the Lens Unit or CCD.
4. <Side 2 Shading Correction> Retrieves the shading data of the White Reference Sheet (Jig) for Side 2 Color CIS to check for dirt.
When to perform: At shipment and after replacing the Color CIS or DADF Assembly.
5. <White Reference Adjustment - Side 2> Calculates the reflective ratio dispersion correction value of the White Reference Sheet for Side 2 Color CIS, and sets the Side 2 Color CIS White Reference Coefficient.
When to perform: At shipment and after replacing the Color CIS or DADF Assembly.
6. <CCD Calibration - Side 2> Performs read color correction of the Side 2 Color CIS. (Color CIS dispersion correction)
When to perform: At shipment and after replacing the Color CIS or DADF Assembly. Also [CCD Calibration - Side 2] is to be performed after performing the [Side 2 Shading Correction] and the [White Reference Adjustment - Side 2].

NOTE: Before performing [White Reference Adjustment] and [CCD Calibration], check that ADJ 1.1.2/ADJ 1.1.3 IIT Lead/Side Edge Registration is correct. Adjust if necessary.

If the spec is not satisfied, perform ADJ 1.1.1 Full/Half Rate Carriage Position Adjustment.

And, then perform [White Reference Adjustment] and [CCD Calibration].

NOTE: When the Lens Unit is to be replaced, check that ADJ 1.1.2/ADJ 1.1.3 IIT Lead/Side Edge Registration is correct before replacing the Lens Unit. Adjust if necessary.

If the spec is not satisfied, perform ADJ 1.1.1 Full/Half Rate Carriage Position Adjustment.

Then, replace the Lens Unit and perform Optical Axis Correction. And, then perform [White Reference Adjustment] and [CCD Calibration].

<White Reference Adjustment>

NOTE: Depending on the paper used before performing the White Reference Adjustment, the DC131 [715-106] IIT Paper Code may have to be set. To support individual paper, it is also possible to set the item to "0: Use NVM individual paper coefficient" and enter the appropriate values in NVM 715-102 to 105 (Individual Paper Correction Value) to perform the White Reference Adjustment.

The setting values are as follows:

DC131[715-106]

Default setting: 3

0: Use NVM Individual Paper Coefficient (715-102 to 105) (Default value during initialization)

1: J paper (Factory adjustment value: IIT standard)

2: P Paper

3: C2 Paper (standard blank paper) (FX/APO/GCO default setting: Factory default setting)

4: Green 100 Paper

5: Digital Color Xpression

6: Color Tech+

7: Xerox 4200 Paper

8: Xerox Business

NOTE: Initializing the NVM will cause the value of DC131 [715-106] to revert to "3: C2 Paper" or the parameter value in "0: Use NVM Individual Paper Coefficient". When the NVM had been initialized, the value of DC131 [715-106] will revert to "3: C2 Paper" or the setting value of the paper that is being used. Also, as the parameter values of DC131 [715-102 to 105] will also be initialized when "0: Use NVM Individual Paper Coefficient" is used, record the parameter values that were set for each supported paper of DC131 [715-102 to 105] in advance.

For the details on NVM initialization, refer to [Handling when NVM has been Initialized] at the end of this section.

Adjustment

1. Change the value of NVM [715-106] to match the paper used. The default setting is 3: C2 paper.
2. Enter Diag Mode and select DC945 (IIT Calibration).
3. Select [White Reference Adjustment].
4. Stack 10 or more sheets of new blank paper (A3 or 11x17") on the Platen and press <Start>.
5. The setting will be displayed on the White Reference Setup screen.

NOTE: The machine carries out the following operations:

- (1) Performs shading to stabilize the IIT state.
- (2) Obtains the shading data.
- (3) Performs sampling of the white paper data to calculate and set the White Reference Correction Coefficient. (DC131 [715-092 to 096] are set.)
- (4) Carries out shading to reflect the result of the White Reference Adjustment.

<CCD Calibration>

Adjustment

1. Enter Diag Mode and select DC945 (IIT Calibration).
2. Select [CCD Calibration].
3. Place the Color Chart (499T 00276) on the Platen Glass and press <Start>.
4. The settings and results are displayed in the CCD Calibration Settings screen.
5. If [NG] is displayed, check the chart's orientation and cleanliness, then clean the CCD and repeat the CCD Calibration.

<Optical Axis Correction>

Adjustment

1. Enter Diag Mode and select DC945 (IIT Calibration).
2. Select [Optical Axis Correction].

3. Open the Platen and press <Start> with nothing placed on the Platen Glass.
4. The following content will be displayed on the Optical Axis Correction Settings screen.

NOTE: The presence of indoor light on the Platen surface could cause interference and the edge detection may not be performed properly.

Optical Axis Correction Result: OK/NG

Front Nut Correction Angle: (numeric display)

Rear Nut Correction Angle: (numeric display)

- Front/Rear Nut Correction Angle shows a combination of +/- and a numeral.
- Front Nut items refer to the nuts at the front of the CCD Lens Assembly.
- Rear Nut items refer to the nuts at the rear of the CCD Lens Assembly.
- +: Refers to right rotation.
- -: Refers to left rotation.
- Numeral: Refers to the angle. (Unit: degrees)

E.g.) When Front Nut Correction Angle: 90 Degree, Rear Nut Correction Angle: -45 Degree is displayed

Rotate the front nut 90 Degree to the right and the rear nut 45 Degree to the left.

NOTE: If the value is an abnormal number such as 990, clean the Platen Glass and the mirror, etc. and start again. This may be due to the light path being blocked.

5. If "NG" is displayed, rotate the nut according to the display to perform correction. (Figure 1)

NOTE: As it is difficult to control the rotation amount, it is recommended to draw a line on a strip of paper and tape it to the tip of the Box Driver to make a mark as shown in the figure below.

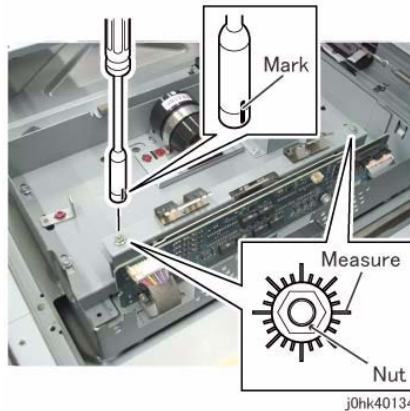


Figure 1 j0hk40134

6. After adjustment, perform [Optical Axis Correction] again.
7. Perform Steps 2 -7 until the result is OK.

NOTE: If the result is OK, the operation can be completed even if the number of rotations is still displayed.

<Side 2 Shading Correction> Adjustment

1. Remove the White Reference Sheet (Jig) that is stored behind the DADF Platen Cushion. (Figure 2)

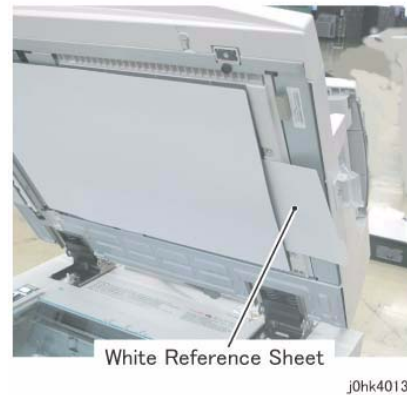


Figure 2 j0hk40139

2. Load the White Reference Sheet (Jig) on the DADF. (Figure 3)

NOTE:

- Take note of Side 1 and Side 2 (the loading orientation) of the White Reference Sheet.
Load it with the side where [UPPER SIDE <- Feed Direction] is visible facing up.
- If the White Reference Sheet is not loaded before the operation, the DADF will keep on rotating.
In that case, turn the power OFF and ON.

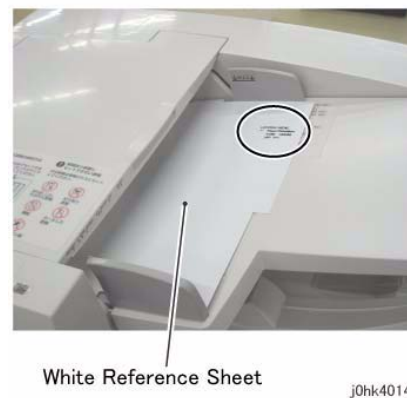


Figure 3 j0hk40140

3. Enter Diag Mode and select DC945 (IIT Calibration).

4. Select [Side 2 Shading Correction].
Press <Start>.
 - Shading data will be retrieved from 2 positions and automatically output.
Sampling Position #1: The sheet lead edge at 20 mm downstream from the CIS scan position
Sampling Position #2: The sheet lead edge at 30 mm downstream from the CIS scan position
It takes approx. 2 minutes until the document is output.
 5. After scanning is completed, [OK] or [NG] will be displayed depending on whether the Shading Data retrieval has succeeded or failed.
- NOTE:** Be sure to turn the power OFF and ON after the Side 2 Shading Correction has completed.
6. If it has failed, clean the Color CIS and perform the [Side 2 Shading Correction] again.
 7. Select [Stop] and the White Reference Sheet (Jig) will return to its original position.
 8. Be sure to turn the power OFF and ON after the Side 2 Shading Correction has completed.

<White Reference Adjustment - Side 2>

NOTE: Depending on the paper used before performing the White Reference Adjustment, the DC131 [716-131] DADF Paper Code may need to be set. To support individual paper, it is also possible to set the item to "0: Use NVM individual paper coefficient" and enter the appropriate values in NVM 716-132 to 134 (Individual Paper Correction Value) to perform the White Reference Adjustment.

The setting values are as follows:

DC131[716-131]

Default setting: 3

- 0: Use NVM Individual Paper Coefficient (716-132 to 134) (Default value during initialization)
- 1: J paper (Factory adjustment value: CCD standard)
- 2: P Paper
- 3: C2 Paper (standard blank paper) (FX/APO/GCO default setting: Factory default setting)
- 4: Green 100 Paper
- 5: Digital Color Xpression
- 6: Color Tech+
- 7: Xerox 4200 Paper
- 8: Xerox Business

NOTE: Initializing the NVM will cause the value of DC131 [716-131] to revert to "3: C2 Paper" or the parameter value in "0: Use NVM Individual Paper Coefficient". When the NVM had been initialized, the value of DC131 [716-131] will revert to "3: C2 Paper" or the setting value of the paper that is being used. Also, as the parameter values of DC131 [716-132 to 134] will also be initialized when "0: Use NVM Individual Paper Coefficient" is used, record the parameter values that were set for each supported paper of DC131 [716-132 to 134] in advance.

For the details on NVM initialization, refer to [Handling when NVM has been Initialized] at the end of this section.

Adjustment

1. Change the value of DC131 [716-131] to match the paper used. The default setting is 3: C2 paper.
2. Enter Diag Mode and select DC945 (IIT Calibration).
3. Select [White Reference Adjustment - Side 2].
4. Load one sheet of new blank paper (A3 or 11x17") of a paper type that was mentioned above on the DADF and press <Start>.

NOTE: If a C2 Paper (default setting) is not loaded before the operation, the DADF will keep on rotating. In that case, turn the power OFF and ON.

5. After the scan has completed, the new RGB setting values will appear on the White Reference Adjustment - Side 2 screen. (DC131 [716-58 to 61] are set.)
6. If it has completed with error, the RGB setting values will be blank.
7. Be sure to turn the power OFF and ON after White Reference Adjustment - Side 2 has completed.

<CCD Calibration - Side 2>

Adjustment

1. Enter Diag Mode and select DC945 (IIT Calibration).
2. Select [CCD Calibration - Side 2].
3. Load the Color Chart (499T 00276) on the DADF and press <Start>.

NOTE: If the Color Chart (499T 00276) is not loaded before the operation, the DADF will keep on rotating. In that case, turn the power OFF and ON.

4. The settings and results are displayed in the CCD Calibration - Side 2 Settings screen.
5. If [NG] is displayed, clean the Side 2 Color CCD and repeat the CCD Calibration - Side 2.

6. Be sure to turn the power OFF and ON after CCD Calibration - Side 2 has completed.

[Handling when NVM has been Initialized] Adjustment

1. The factory default adjustment values of the NVM (NVM data marked with O) can be found in the NVM Default Value Setting List that is bundled with the machine. Enter the appropriate values according to the NVM Default Value Setting List.
The important values are NVM 715-92 to 96, 106, 716-58 to 61, and 131.
2. NVM 715-102 to 105 and 716-132 to 134 are generally not used.
In the case where they are used, 715-106 and 716-131 will be set to '0'. Record the values before initializing the NVM and enter the recorded values after the NVM initialization. Refer to the following NVM List (related to White Reference Adjustment) for the default values.

*1: The setting value at the time of NVM initialization.

*2: List containing the NVM factory default setting values that is bundled with the machine.

Table 1 NVM List (related to White Reference Adjustment)

Chain	Link	Contents	Setting Range		Default Value *1	NVM Default Value Setting List *2 O: Recorded X: Not recorded	Remarks
			Minimum value	Maximum value			
White Reference Adjustment Related							
715	92	WREF_A DJ_R	70	255	140	O	Factory Default
715	93	WREF_A DJ_G	70	255	140	O	Factory Default
715	94	WREF_A DJ_B	70	255	140	O	Factory Default
715	95	WREF_A DJ_BWX	70	255	140	O	Factory Default

Table 1 NVM List (related to White Reference Adjustment)

Chain	Link	Contents	Setting Range		Default Value *1	NVM Default Value Setting List *2 O: Recorded X: Not recorded	Remarks
			Minimum value	Maximum value			
715	96	WREF_A DJ_BWY	70	255	140	O	Factory Default
715	102	WREF_A DJ_R (Individual Paper)	0	127	63	X	Default Value: 63 means +/-0. (No correction)
715	103	WREF_A DJ_G (Individual Paper)	0	127	63	X	Default Value: 63 means +/-0. (No correction)
715	104	WREF_A DJ_B (Individual Paper)	0	127	63	X	Default Value: 63 means +/-0. (No correction)
715	105	WREF_A DJ_BW (Individual Paper)	0	127	63	X	Default Value: 63 means +/-0. (No correction)
715	106	IIT Paper Code	0	8	0	O	The factory default setting is "3: C2 Paper".
White Reference Adjustment - Side 2 Related							

Table 1 NVM List (related to White Reference Adjustment)

Chain	Link	Contents	Setting Range		Default Value *1	NVM Default Value Setting List *2 O: Recorded X: Not recorded	Remarks
			Minimum value	Maximum value			
716	58	Factory Default SD Data B Color Correction Coefficient	0	255	160	O	Factory Default
716	59	Factory Default SD Data G Color Correction Coefficient	0	255	160	O	Factory Default
716	60	Factory Default SD Data R Color Correction Coefficient	0	255	160	O	Factory Default
716	61	Factory Default SD Data BW Color Correction Coefficient	0	255	160	O	Factory Default
716	132	Individual Paper B Color Correction Coefficient Setting	0	127	63	X	Default Value: 63 means +/-0. (No correction)

Table 1 NVM List (related to White Reference Adjustment)

Chain	Link	Contents	Setting Range		Default Value *1	NVM Default Value Setting List *2 O: Recorded X: Not recorded	Remarks
			Minimum value	Maximum value			
716	133	Individual Paper G Color Correction Coefficient Setting	0	127	63	X	Default Value: 63 means +/-0. (No correction)
716	134	Individual Paper R Color Correction Coefficient Setting	0	127	63	X	Default Value: 63 means +/-0. (No correction)
716	131	Paper Code Setting	0	8	0	O	The factory default setting is "3: C2 Paper".

ADJ 1.1.6 2 Sided Color Scanning Calibration

Purpose

When performing scan by Color Duplex Auto Document Scanning, if the hue of the Side 1 and Side 2 scan is different, use the 2 Sided Color Scanning Calibration feature to adjust the color scan for the IIT Color CCD of Side 1 scan and the DADF Color CIS of Side 2 scan.

NOTE: Make sure to prepare the Color Test Chart (499T 00324: For CIS Setup) in advance. (Figure 1)



j0vf41855

Figure 1 j0vf41855

Adjustment

1. Enter Diag Mode and select [System Settings] -> [Common Service Settings] -> [Image Quality] on the Tools screen.
2. On the Image Quality screen, select [2 Sided Color Scanning Calibration].
3. On the 2 Sided Color Scanning Calibration screen, select [Print Chart].

NOTE: Selecting [Restore Previous Values] and then [Start] restores the settings to their previous values. If you want to restore the factory default settings, select [Restore Factory Default Values] and then [Start]. Selecting either one will display a message at completion.

4. Select [Start].

- The message [Printing the chart for 2 Sided Color Scanning Calibration...] appears and the calibration document (2 Sided Color Scanning Calibration Chart) is printed out.

NOTE: The calibration document (2 Sided Color Scanning Calibration Chart) is not used as it is a black & white chart.

5. Place the Color Test Chart (499T 00324: For CIS Setup) on the DADF with its printed side facing up and the Magenta patch at the left side. (The lead edge notation is at the left.) (Figure 2)

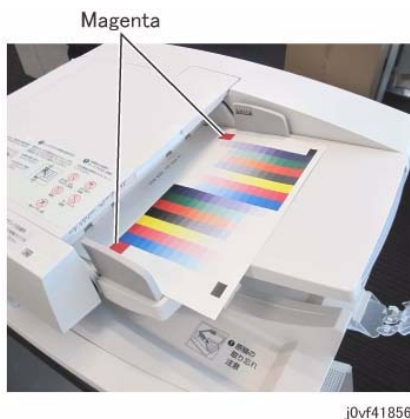


Figure 2 j0vf41856

6. Select [Start].
 - The message [Scanning chart...] appears and the Color Test Chart (499T 00324: For CIS Setup) is scanned automatically by the IIT Color CCD.

NOTE: If the scanning of Color Test Chart (499T 00324: For CIS Setup) has failed, a message will appear to indicate it. Select [Confirm] and repeat the operation.

7. Next, place the Color Test Chart (499T 00324: For CIS Setup) on the DADF with its printed side facing down and the Magenta patch at the left side. (The lead edge notation is at the left.) (Figure 3)

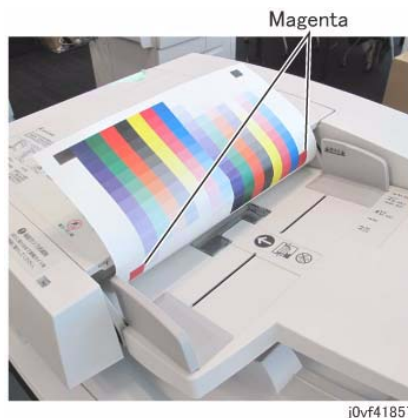


Figure 3 j0vf41857

8. Select [Start].
 - The message [Scanning chart and performing color calibration...] appears, the Color Test Chart (499T 00324: For CIS Setup) is scanned automatically by the DADF Color CIS and, at the same time, the color scan is calibrated. After the process has completed, a screen displaying the result will appear.

NOTE: If the scanning of Color Test Chart (499T 00324: For CIS Setup) has failed, a message will appear to indicate it. Select [Confirm] and repeat the operation.

9. Select [Confirm].
10. Select [Close] until the Tools screen appears.
11. Perform scanning and check the image quality for both sides on the PC.

NOTE: To check the image quality, use the Color Test Chart (499T 00324: For CIS Setup) that was used in the calibration.

12. If the hue of the Side 1 and Side 2 scan for the scan data that is displayed on the screen is still different, repeat Step 1 to Step 11.

ADJ 7.5.1 Fusing Unit Paper Width Settings (for APO/GCO)

Purpose

As the surface of the H/Roll gets roughened by the paper side edge, a defect in the form of streaks in SS direction will appear on the image. (Edge Streaks) With the current configuration and material technology, it is difficult to prevent these edge streaks. Hence, the Fusing Unit has to be switched for each paper size in some operations. To make the operation simple, it can be set according to the size of the paper that is being transported or it can also operate by automatically detecting the setting and prompting a switch for each size.

Overview

If the type of Fusing Unit paper width notified from the IOT and the paper width to be printed matches, the Print Job will be passed to the IOT. If the paper widths do not match, the Print Job is not sent to the IOT and a message prompting a switch to the appropriate Fusing Unit will be displayed on the UI instead.

NOTE: On whether to introduce this specification, the CE must hold a discussion with the customer to obtain a decision. If the decision is to introduce it, explain the purpose of this settings to the System Administrator and make sure that they understand how to perform the switching of Fusing Unit.

NOTE: Before performing this settings, make markings on the Fusing Unit so that the paper size that applies to it is known.

Procedure

WARNING

Make sure that all jobs have been completed. Check that the "Online" lamp is OFF and turn OFF the power. After turning OFF the power of the machine, turn OFF the breaker switch and unplug the power plug from the outlet.

CAUTION

Do not work on a hot Fusing Unit until it is cool enough.

1. Prepare a Fusing Unit for setting the paper size (width) that is to be used.
2. Refer to Table 1 and change the paper size switch position of the Fusing Unit to be used to the number that correspond with the paper size (width) to be used. (Figure 1)
E.g.) For A3 paper, set the switch position to '2'.

NOTE: The Fusing Unit for envelopes does not have the paper width settings switch.



Figure 1 j0pr40708

3. Mark the label on the Fusing Unit so that the paper size that applies to it is known. (Figure 2)



Figure 2 j0pr40709

4. Install the Fusing Unit with changed paper width switch position to the machine.

5. After turning ON the power, refer to Table 1 and change the NVM of the corresponding paper width setting. (Only when the default value must be changed)

Table 1 Paper Width Settings

		Paper Width Switch Position							
		0 (Def ault Set- ting)	1	2	3	4	5	6	7
Paper size sam- ple to be used	ALL	A4 SEF/ B5 SEF/ 8.5x 11" SEF	A3/ B4/ 11x1 7"	A5 SEF/ Post- card (100 x148 mm)	SRA 3/ 13"	Pre- set	Pre- set	Pre- set	Pre- set
Corre- spond- ing paper width setting NVM (Unit: 0.1 mm)	Set- ting range max. value (1000 to 3302)	745- 497 defa ult: 3302	745- 499 defa ult: 2499	745- 501 defa ult: 3069	745- 503 defa ult: 1799	745- 505 defa ult: 3302	745- 507 defa ult: 3302	745- 509 defa ult: 3302	745- 511 defa ult: 3302 *
	Set- ting range min. value (1000 to 3302)	745- 498 defa ult: 1000	745- 500 defa ult: 1800	745- 502 defa ult: 2500	745- 504 defa ult: 1000	745- 506 defa ult: 3070	745- 508 defa ult: 1000	745- 510 defa ult: 1000	745- 512 defa ult: 1000 *

NOTE: * As the paper width setting value of Switch No. 7 is also applicable to Fusing Unit for envelopes, it usually remains unchanged at its default value.

NOTE: When the paper width to be used and the paper width switch position of the Fusing Unit do not match, a message prompting a switch to the appropriate Fusing Unit will be displayed on the UI.

6. Perform Test Print using the paper size (width) that was set and verify that it can be output normally.
7. Perform Test Print using other than the paper size (width) that was set and verify that the message to switch the Fusing Unit is displayed.

ADJ 18.1.1 DC126 System Registration Adjustment (Registration)

Purpose

Aligns the IOT Registration.

- IOT Registration Adjustment performs the Registration adjustment from the output result of the Built-in Adjustment Test Pattern.

Function

Print the Adjustment Test Pattern (containing the record of measurement (length) location of the various alignment component) that is stored in the Controller and then follow the instructions on the UI screen to input the result of measurements from the measurement locations on the printout via the UI screen to send the misalignment to the IOT and adjust the alignment component.

Furthermore, for adjustment items other than the Side 1 / Side 2 Registration, successive adjustments can be done using the output result of 1 sheet of chart.

<Adjustable Items>

- Side 1/Side 2 Perpendicularity Fine Adjustment
- Side 1/Side 2 Side Skew Fine Adjustment
- Side 1/Side 2 Fast Scan Reduce/Enlarge Fine Adjustment
- Side 1/Side 2 Slow Scan Reduce/Enlarge Fine Adjustment
- Side 1/Side 2 Lead Regi/Side Regi Independent Adjustment

NOTE: Before performing this adjustment, make sure that the following has already been completed.

- Chapter 6 6.4.2.8 DC127 Register Paper Feeding Positions
- Chapter 6 6.4.2.25 DC675 Registration Control Setup Cycle (if the Registration Control Setup Cycle was not completed successfully, the alignment adjustment cannot be performed properly)

Procedure

- Enter Diag mode and select [Registration]. (Figure 1)

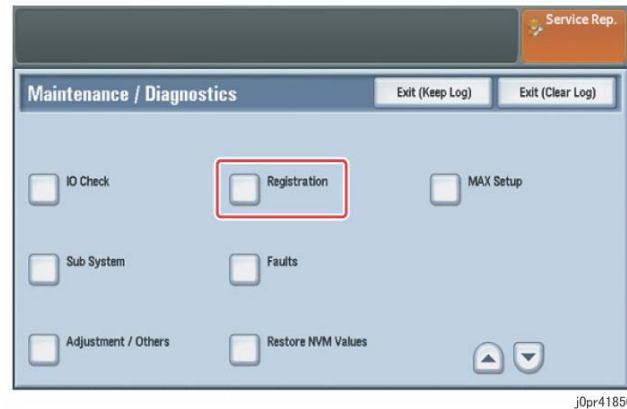


Figure 1 j0pr41850

- Select DC126 [System Registration Adjustment]. Load A3 or 11x17" paper in the Tray and then select [Print] to output the number of measurement charts that was set. (Figure 2)

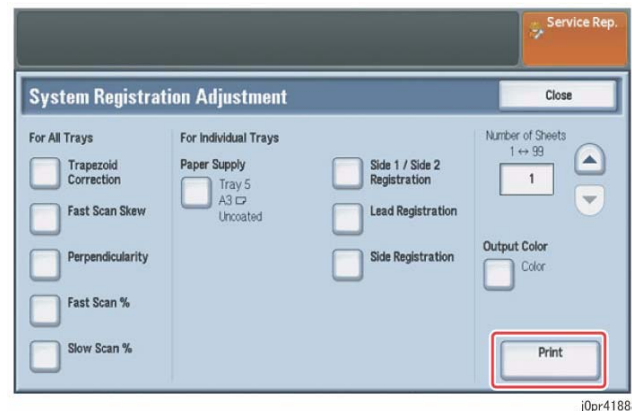


Figure 2 j0pr41888

<Trapezoid Correction Adjustment>

Procedure

- Select [Trapezoid Correction]. (Figure 3)

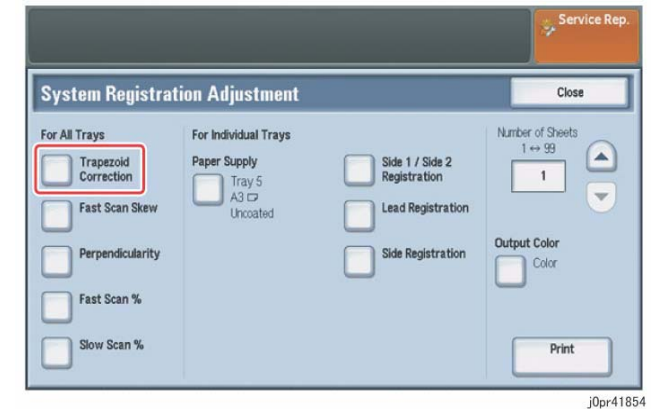


Figure 3 j0pr41854

- Measure Pa and Pb on the measurement chart. (Figure 4)

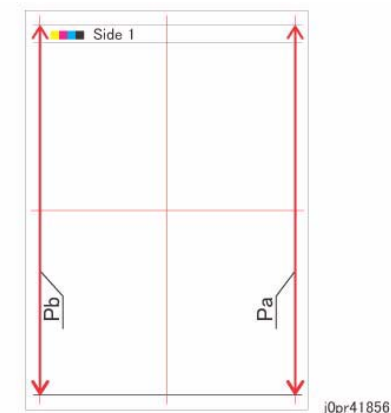


Figure 4 j0pr41856

- Input the measured value and select [Calculate]. (Figure 5)

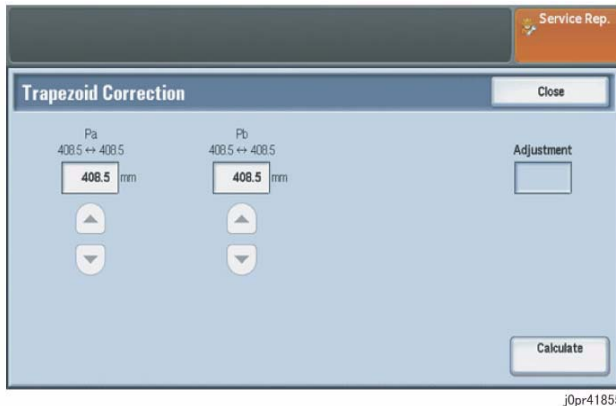


Figure 5 j0pr41855

- The automatically calculated adjustment amount is displayed. (Figure 6)

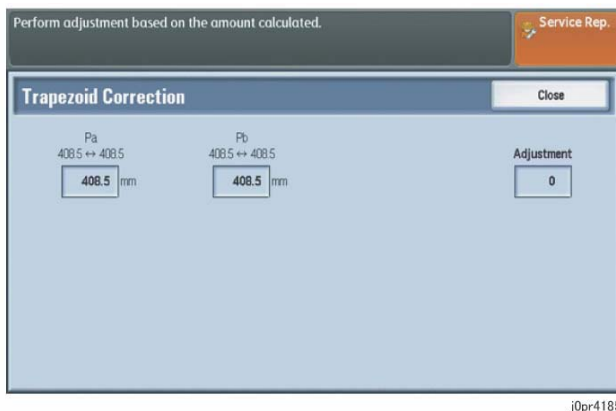


Figure 6 j0pr41857

- Use the displayed adjustment amount to adjust the Eccentric Cam of the 2nd BTR relative to its current position. (Figure 7)

Adjustment

- Remove the 2nd BTR Assembly. (REP 14.1.2)

NOTE: Rotate each cam in CW or CCW direction as shown in the following figure. Place the 2nd BTR on a level surface with its front side facing towards you and adjust the cam at the front. Next, turn the 2nd BTR 180 Degrees and adjust the cam at the rear.

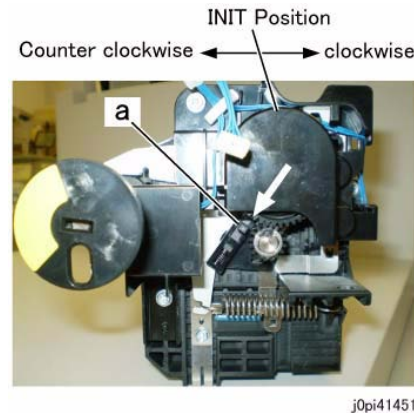


Figure 7 Releasing the 2nd BTR Cam (j0pi41451)

Change the cam position at the IN/OUT of the 2nd BTR by the following procedure. At that time, pull the lever of the cam to release the latch, and then rotate the cam.

(OB side: front side)

If the adjustment amount for Trapezoid Correction is positive, turn the cam in CW direction. If it is negative, turn it in CCW direction.

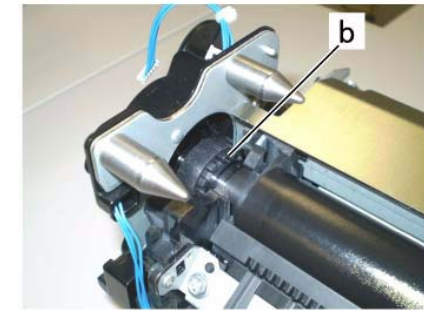
Use the adjustment amount as the amount to move the cam (scale count).

NOTE: The movement range for the scale is between (-5) and (+3). An increment of 1 in the scale is equal to a change of 0.35 mm.

E.g.)

If the adjustment amount is (-3): rotate the cam 3 scales in CCW direction.

If the adjustment amount is (+1): rotate the cam 1 scale in CW direction.



j0pi41452

Figure 8 Adjusting the 2nd BTR Cam (j0pi41452)

(IB side: rear side)

Rotate the cam by the same amount, but in the opposite direction to those at OB side. The movement range for the scale is between (+5) to (-3).

NOTE: When looking from the OB side, the direction of the rotation is reversed. When working from the rear, the direction of the rotation is the same.

- Repeat the check. If the result is [OK], proceed with the Fast Scan Skew Adjustment. If it persists as [NG] go to the next step.
- Remove the 2nd BTR Assembly and inspect it. Visually check to see whether the gears of the 2nd BTR Assembly have worn out. If the 2nd BTR Assembly parts are worn out or damaged, replace the 2nd BTR Assembly.
- If the 2nd BTR Assembly parts are neither worn out nor damaged, replace the assembly in the machine and check that it is installed properly.
- Return to the beginning of this adjustment and perform the check.
- If the result of the check persistently remains as "NG", check the paper for elongation.
- Perform the Fast Scan Skew Adjustment.

Check the paper for elongation

Check for paper elongation at the Fusing Unit.

- Open the Paper Tray that is being checked.

- Remove 3 sheets of paper (A3) from the Tray.
- Measure the paper width in the IB-OB direction at the Lead Edge and Tail Edge of the paper.
- Load the pre-measured paper into the Tray and print Test Pattern 8.
- Measure the paper width in the IB-OB direction at the Lead Edge and Tail Edge of the paper.
- If the difference between the measured values is 0.4 mm or higher, replace the Fusing Unit.

<Fast Scan Skew Adjustment>

Procedure

- Select [Fast Scan Skew]. (Figure 9)

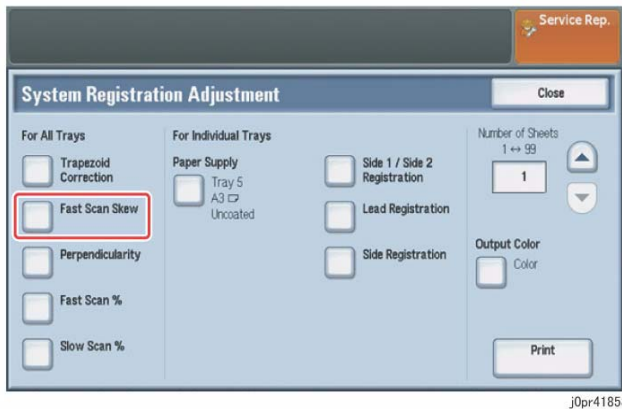


Figure 9 j0pr41858

- Measure Sa and Sb on Side 1 of the measurement chart. (Figure 10)

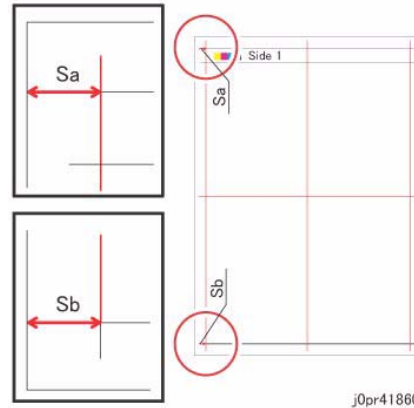


Figure 10 j0pr41860

- Select [Hardware Adjustment], input the measured value, and select [Calculate]. (Figure 11)



Figure 11 j0pr41859

- The automatically calculated adjustment amount is displayed. (Figure 12)

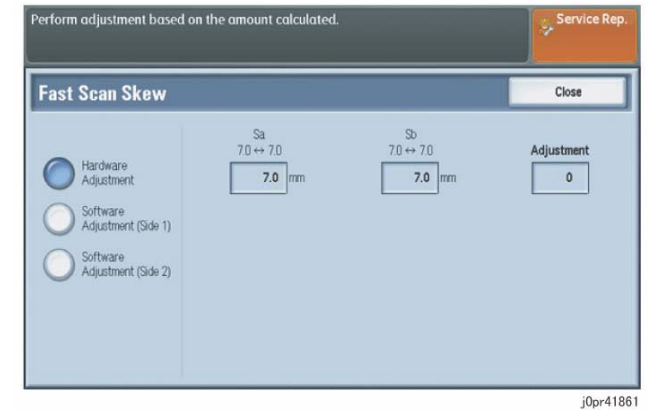


Figure 12 j0pr41861

- Pull out the Drawer Unit.
- Adjust the Registration Transport. (Figure 13) (Figure 14)
 - Loosen the securing screw (x2).
 - Slowly rotate the Adjustment Cam by the displayed adjustment amount only. (Be careful to not over-rotate) Rotate the cam in CCW direction when the adjustment amount is positive and rotate it in the CW direction when the value is negative.

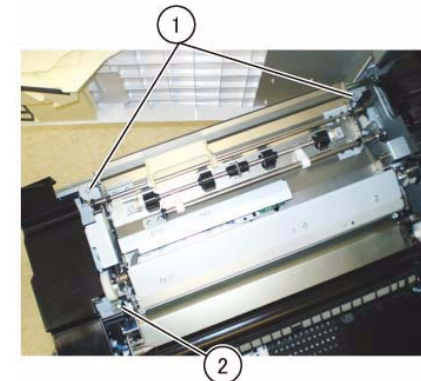


Figure 13 j0pi41455

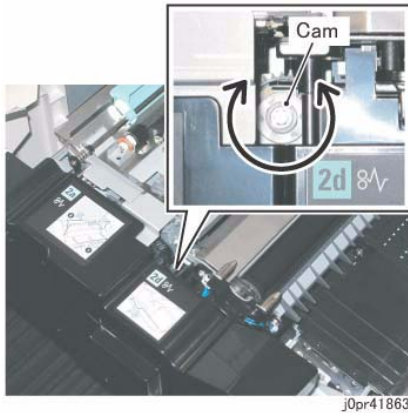


Figure 14 j0pr41863



Figure 16 j0pr41895

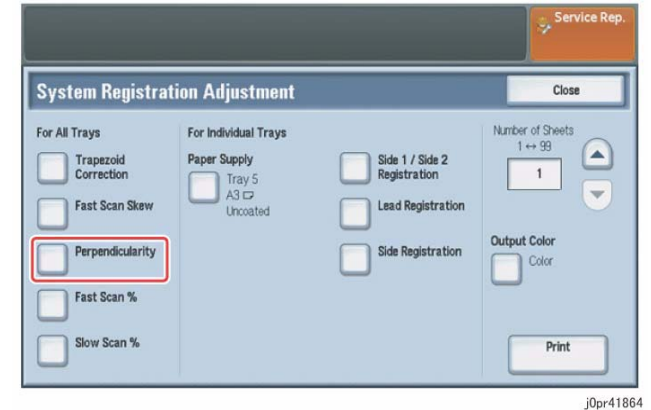


Figure 17 j0pr41864

- Next, measure Sa and Sb on Side 2 of the measurement chart in the same way. (Figure 15)

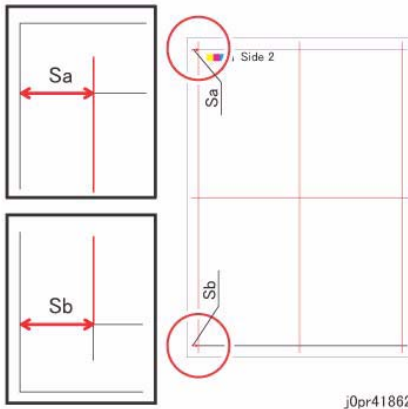


Figure 15 j0pr41862

- Select [Software Adjustment (Side 2)], input the measured value, and select [Adjust]. (Figure 16)

- The automatic adjustment is performed and [Adjustment has been completed.] will be displayed.

NOTE: Selecting [Calculate] again after the adjustment has completed returns the displayed values to their default values. If the adjustment values are re-input and [Adjust] is selected at this time, it will cause those values to be reflected. Therefore, never perform the adjustment without printing out and measuring the chart.

NOTE: Do not perform [Software Adjustment (Side 1)].

<Perpendicularity Adjustment> Procedure

- Select [Perpendicularity]. (Figure 17)

- Measure La and Lb on Side 1 of the measurement chart. (Figure 18)

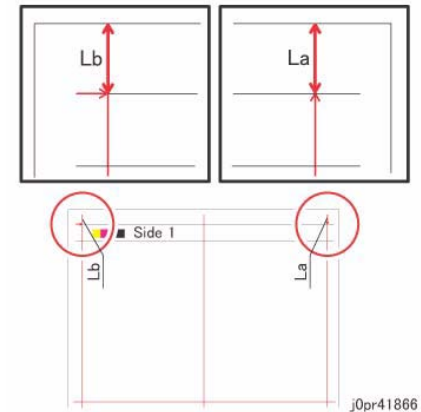


Figure 18 j0pr41866

- Select [Side 1], input the measured value, and select [Adjust]. (Figure 19)

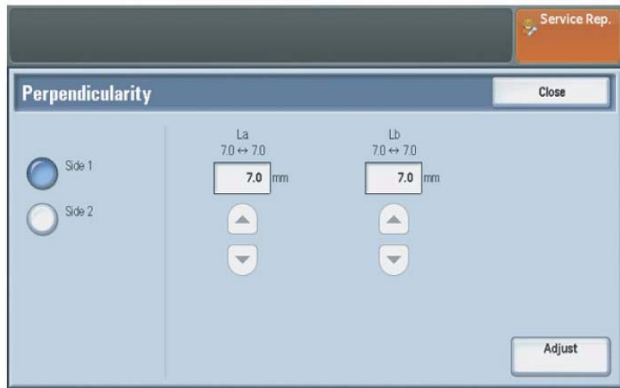


Figure 19 j0pr41865



Figure 21 j0pr41896

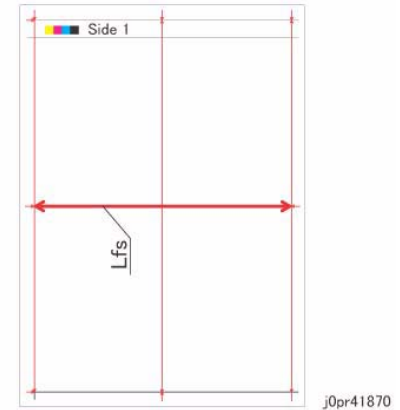


Figure 23 j0pr41870

- The automatic adjustment is performed and [Adjustment has been completed.] will be displayed.
- Measure La and Lb on Side 2 of the measurement chart. (Figure 20)

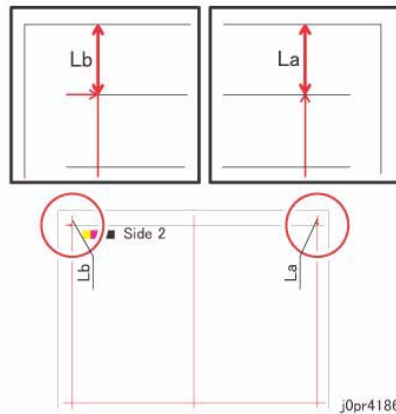


Figure 20 j0pr41867

- The automatic adjustment is performed and [Adjustment has been completed.] will be displayed.

<Fast Scan Reduce/Enlarge Adjustment> Procedure

- Select [Fast Scan %]. (Figure 22)

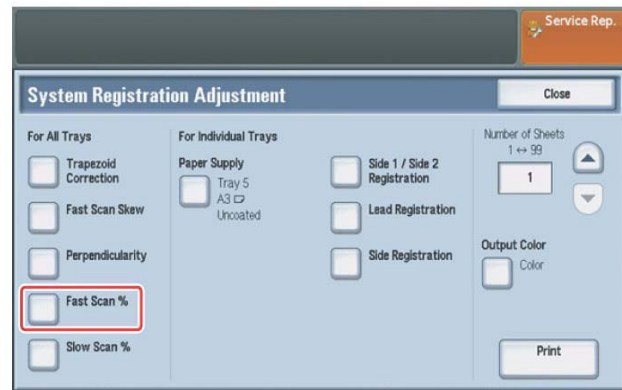


Figure 22 j0pr41868

- Select [Side 1], input the measured value, and select [Adjust]. (Figure 24)

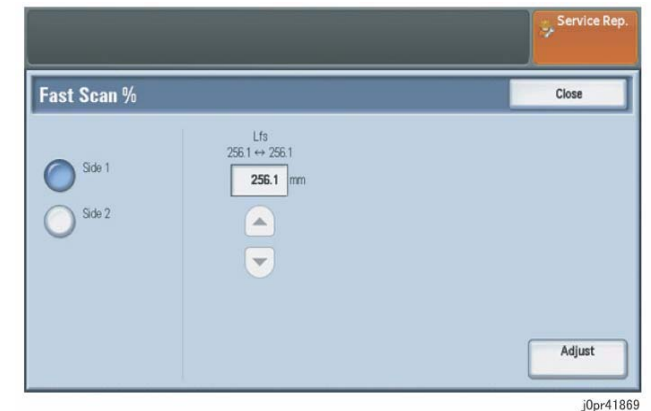


Figure 24 j0pr41869

- Select [Side 2], input the measured value, and select [Adjust]. (Figure 21)

- Measure Lfs on Side 1 of the measurement chart. (Figure 23)

- The automatic adjustment is performed and [Adjustment has been completed.] will be displayed.
- Measure Lfs on Side 2 of the measurement chart. (Figure 25)

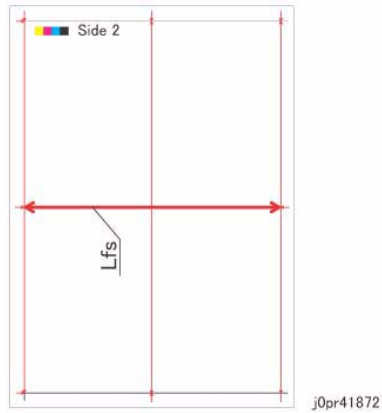


Figure 25 j0pr41872

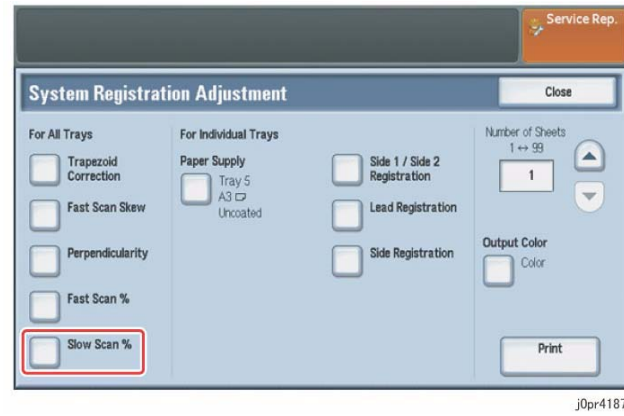


Figure 27 j0pr41873

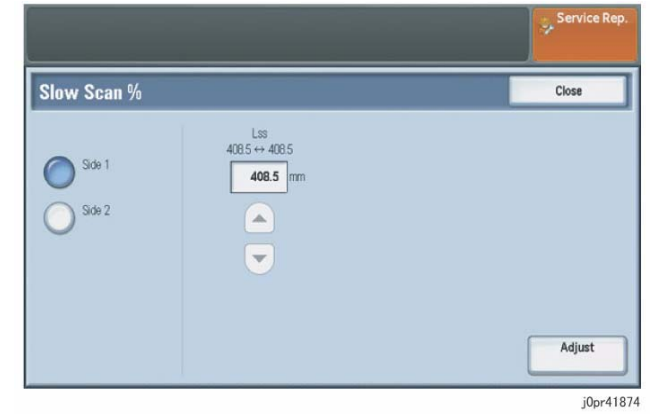


Figure 29 j0pr41874

6. Select [Side 2], input the measured value, and select [Adjust]. (Figure 26)

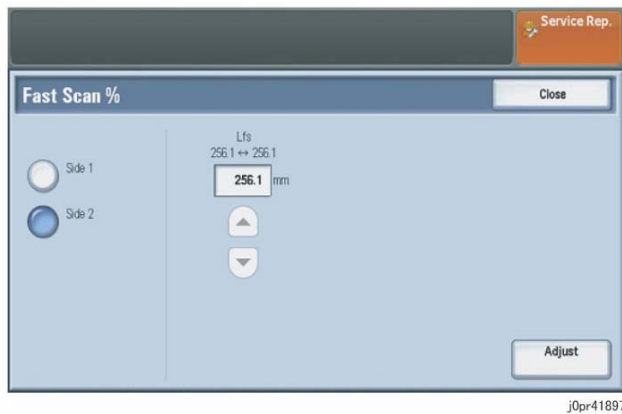


Figure 26 j0pr41897

2. Measure Lss on Side 1 of the measurement chart. (Figure 28)

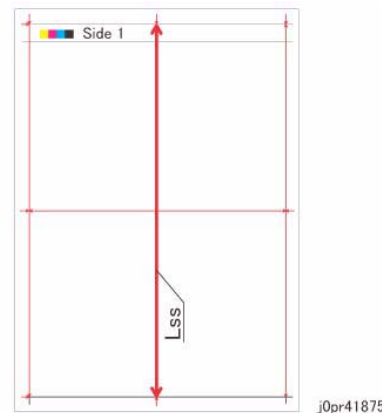


Figure 28 j0pr41875

4. The automatic adjustment is performed and [Adjustment has been completed.] will be displayed.
5. Measure Lss on Side 2 of the measurement chart. (Figure 30)

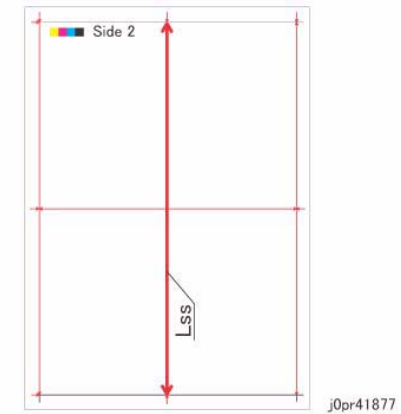


Figure 30 j0pr41877

7. The automatic adjustment is performed and [Adjustment has been completed.] will be displayed.

3. Select [Side 1], input the measured value, and select [Adjust]. (Figure 29)

6. Select [Side 2], input the measured value, and select [Adjust]. (Figure 31)

**<Slow Scan Reduce/Enlarge Adjustment>
Procedure**

1. Select [Slow Scan %]. (Figure 27)

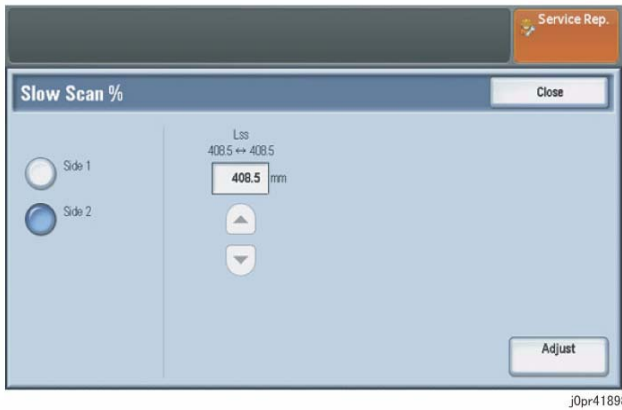


Figure 31 j0pr41898

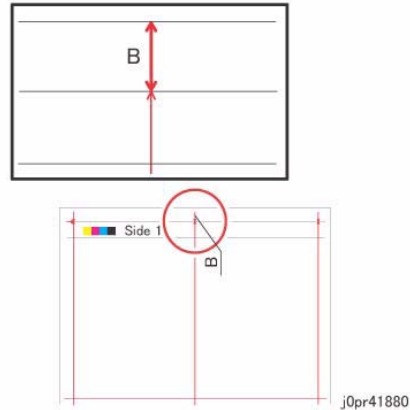


Figure 33 j0pr41880

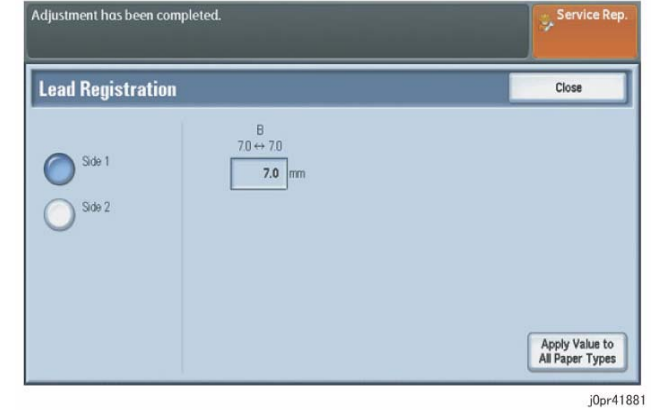


Figure 35 j0pr41881

7. The automatic adjustment is performed and [Adjustment has been completed.] will be displayed.

3. Select [Side 1], input the measured value, and select [Adjust]. (Figure 34)

6. Measure B on Side 2 of the measurement chart. (Figure 36)

<Lead Registration Adjustment>

Procedure

1. Select [Lead Registration]. (Figure 32)

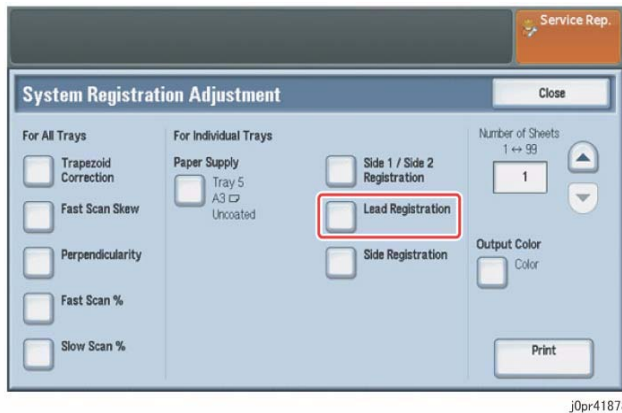


Figure 32 j0pr41878



Figure 34 j0pr41879

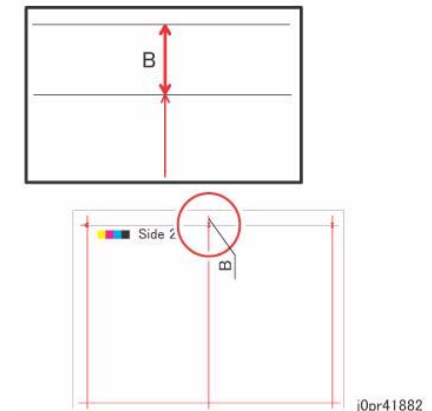


Figure 36 j0pr41882

2. Measure B on Side 1 of the measurement chart. (Figure 33)

4. The automatic adjustment is performed and [Adjustment has been completed.] will be displayed.

7. Select [Side 2], input the measured value, and select [Adjust]. (Figure 37)

5. Select [Apply Value to All Paper Types]. (Figure 35)

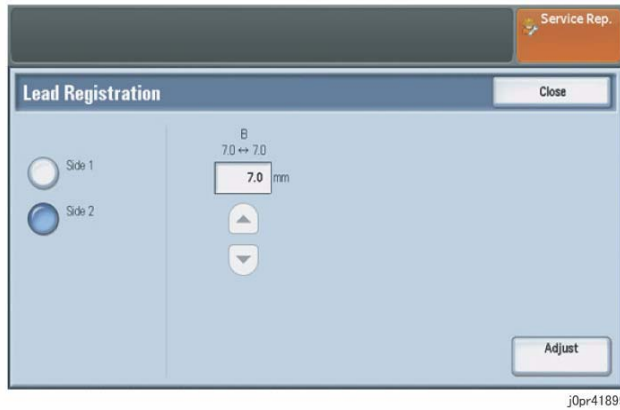


Figure 37 j0pr41899



Figure 39 j0pr41883



Figure 41 j0pr41884

8. The automatic adjustment is performed and [Adjustment has been completed.] will be displayed.
9. Select [Apply Value to All Paper Types].(Figure 38)

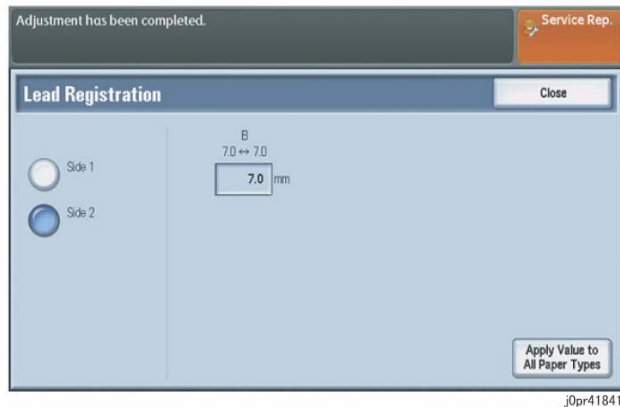


Figure 38 j0pr41841

2. Measure A on Side 1 of the measurement chart. (Figure 40)

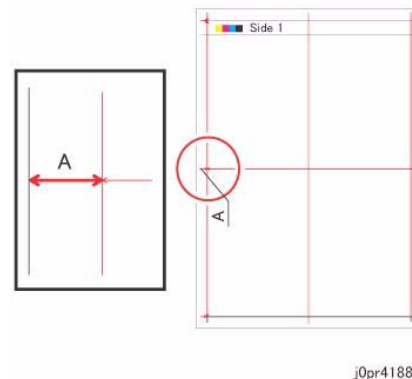


Figure 40 j0pr41885

3. Select [Side 1], input the measured value, and select [Adjust]. (Figure 41)

4. The automatic adjustment is performed and [Adjustment has been completed.] will be displayed.
5. Measure A on Side 2 of the measurement chart. (Figure 42)

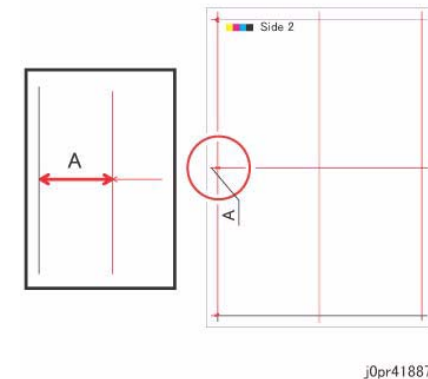


Figure 42 j0pr41887

6. Select [Side 2], input the measured value, and select [Adjust]. (Figure 43)

<Side Registration Adjustment>

Procedure

1. Select the Tray to adjust and select [Side Registration]. (Figure 39)

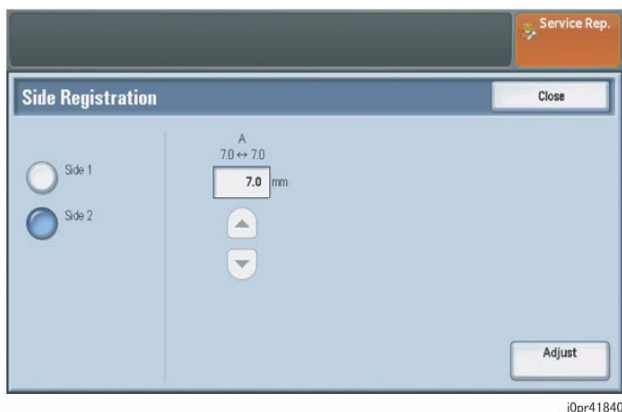


Figure 43 j0pr41840

7. The automatic adjustment is performed and [Adjustment has been completed.] will be displayed.
8. Set the individual Trays by selecting an unadjusted Tray or MSI, printing out the measurement chart, and then performing the procedure from step 2 onwards.

NOTE: Load A3 or 11x17" paper into the Tray/MSI.

<Side 1 / Side 2 Registration Adjustment>

NOTE: Do not use the Side 1 / Side 2 Registration Adjustment.

ADJ 18.1.2 DC127 Register Paper Feeding Positions (Registration)

Purpose

To measure the IB Edge of the paper as it enters the CIS Sensor and obtain the position adjustment amount. This adjustment must be made for each Tray.

Check

NOTE: Check that the HFSI Counter of 2nd BTR Unit (954-813) has not reached the threshold value and that it is installed properly. If the threshold value has been exceeded, replace the 2nd BTR Unit.

Refer to: For details on the adjustment procedure, refer to Chapter 6 6.4.2.8.

ADJ 18.1.3 DC671 Registration Measuring Cycle (Registration)

Purpose

To measure the color registration for 4 colors and display the status by indicating OK/NG (Check or Adjustment).

This cycle performs the color regi measurement that includes the detection of AC component to determine the condition of AC control (Drum Drive, Belt Drive, and Belt Steering, etc), which is one of the color regi components.

- Performs regi measurement to determine the condition of the AC control.
- Checks that the Belt control etc. are operating normally.
- Measures/displays the amount of color shift relative to Black in the Fast Scan/Slow Scan direction.
- Displays the result of comparing OK/NG (Check or Adjustment) with the target value.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Registration].
2. On the [Registration] screen, select [Registration Measuring Cycle].
3. Press <Start>.

[OK] or [NG] will be displayed in the [Result] column.
4. When [NG] (Check or Adjustment) is displayed, refer to the corresponding FIP and correct the problem.

If the result is NG for both AC/DC, fix the AC problem first.

ADJ 18.1.4 DC673 Registration Control Sensor Check Cycle (Registration)

Purpose

To check if the misregistration detection system from the MOB Sensor is operating normally.

This is a self-diagnosis cycle to check that the detection system can operate properly. To verify that the detection result is "Zero Misregistration", the color shift amount is detected using CUI patch (Cyan monochromaticity) and the misregistration detected in the MOB sensor is displayed on the UI screen.

This detection result is compared again with the target value to determine the OK/NG (Check or Adjustment) result which will be displayed. Correction is not performed.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Registration].
2. On the [Registration] screen, select [Registration Control Sensor Check Cycle].
3. Press <Start>.

The [Value] will be displayed along with [OK] or [NG].
4. When the measure value is larger than the target value by 10, NG (Check or Adjustment) is displayed.

When NG, check that Cyan is being printed and replace the MOB Sensor Assembly.

When Cyan is not being printed, repair the Marking accessories including the Deve.

ADJ 18.1.5 DC675 Registration Control Setup Cycle (Registration)

Purpose

To set the most appropriate Regi Control correction value for skew etc. at the first execution when replacing the ROS etc. (details of the relevant parts will be described in the note below).

The Setup Cycle is made up of the following 2 functions.

Function 1: Performed right after assembling or during field installation, or when replacing a key part. Also, this is a Regi Control Full Cycle that can be performed in the Diag mode right after the NVM is initialized. Executing this function corrects the Color Registration into the predefined range. The corrected shift amount for each color is saved in the NVM and it is displayed at normal completion.

Function 2: On entering a setup cycle, the IOT does not start. The Regi Control shift correction amount is displayed automatically on the UI screen and is used as a tool for determining the cause when a failure occurs.

NOTE: This Diag is to be performed during the following. After performing this, [DC671 Registration Measuring Cycle] must also be performed.

- Before performing DC126 System Registration Adjustment
- ROS replacement/detachment
- IBT Belt replacement/detachment
- Belt Module replacement/detachment (recommended)

NOTE: After the ROS is replaced, change the value of NVM [759-913] from '0' -> '1'.

It will automatically revert to '0' after the Registration Control Setup Cycle.

As the default value after an initialization is '1', perform the Registration Control Setup Cycle and end.

NOTE: For details on the DC675 Diag adjustment procedure, refer to 6.4.2.25 DC675 Registration Control Setup Cycle.

Adjustment

1. Enter DC675.

Switch to the CE mode and select [Registration Control Setup Cycle] by the following steps.

 - (1) Press and hold the <0> key for 5 seconds or longer and then press <Start> to switch to CE mode.
 - (2) Enter the password [6.7.8.9] and select [Confirm].
 - (3) Select [Tools] on the Touch Panel.

- (4) On the [Tools] screen, select [System Settings] -> [Common Service Settings] -> [Maintenance / Diagnostics].
 - (5) Select [Registration].
 - (6) Select [Registration Control Setup Cycle].
2. Press <Start>.
- The shift amount for each color is corrected automatically.

ADJ 18.1.6 DC740 Tray 5 Guide Adjustment (Registration)

Function

To check that the MSI Guide paper width detection is properly carried out.

NOTE: This adjustment is performed when the MSI size sensor is replaced and a size detection error occurs.

NOTE: For details on the DC740 Diag adjustment procedure, refer to 6.4.2.27 DC740 Tray 5 Guide Adjustment.

Procedure

- Enter the Diag mode and select [Maintenance / Diagnostics] then [Registration].
- The [Tray 5 Guide Adjustment] screen is displayed.
- Select [Minimum Size Position] or [Maximum Size Position].
- When [Minimum Size Position] is selected.
 - Follow the instructions on the screen and align the Paper Guides to the minimum size position.
 - Press <Start>.
 - If the sensor output value is within the specified range, [OK] will be displayed.
 - At the same time, the NVM [742-154] MSI Side Guide Minimum Position data is changed.
 - If the sensor output value is out of the specified range, [NG] will be displayed.
 - If [NG], check the guide position and try again.
- When [Maximum Size Position] is selected.
 - Follow the instructions on the screen and align the Paper Guides to the maximum size position.
 - Press <Start>.
 - If the sensor output value is within the specified range, [OK] will be displayed.
 - At the same time, the NVM [742-155] MSI Side Guide Maximum Position data is changed.
 - If the sensor output value is out of the specified range, [NG] will be displayed.
 - If [NG], check the guide position and try again.
- Select [Close] to return to the previous screen.

ADJ 18.1.7 MAX Setup

Purpose

To maintain an image quality that consistently brings about customer satisfaction, and to deliver an image quality that meets the demands of the customer.

NOTE: Perform as many [Calibration] as possible during a service call. Also, recommend as many [Calibration] as possible to the customer during the service call.

MAX Setup Overview

The Diag related to Image Quality for this model is as follows.

- IOT related (applicable for both copy and print)
 - DC950 ATC Sensor Setup (Refer to ADJ 18.1.12)
 - DC938 Procon On / Off Print (Refer to ADJ 18.1.11)
 - DC991 Adjust Toner Density (Refer to ADJ 18.1.14)
 - DC924 TRC Adjustment (Refer to ADJ 18.1.9)
 - DC931 In/Out Manual Setup (Refer to ADJ 18.1.10)
 - IIT/IPS related (applicable for copy only)
 - DC945: IIT Calibration (Refer to ADJ 1.1.5)
 - DC919 Color Balance Adjustment (Refer to ADJ 18.1.8)
 - Color Balance, Color Shift (Access from User Interface)
 - Others
 - DC612 Color Test Pattern Print
 - Calibration (Access from User Interface) (applicable for copy only)
 - Server Calibration Function (print only)
- [Reference: Supplemental Info]
- The Calibration will result in different densities after the correction depending on the Paper Type. Although the portion that was performed using Plain Paper would not differ greatly, the density might be very different after the correction when using Coated Paper or Heavyweight/Lightweight, etc. Operation procedure for Coated Paper or Heavyweight/Lightweight, etc.:
 - First, perform Calibration using the paper that you want to match, then perform IOT Density Adjustment and adjust the portion of density that had deviated from the customer's preference to match the customer's preferred density. Once this is done, whenever the customer feels that the density has deviated, performing Calibration using the same Paper Type will return the density to normal.

- However, using another paper without making any adjustment could cause the density to be very different before performing the above. If it is not the customer's preferred density, perform the above procedure again using the paper that is to be used.

During a service call, when a problem with the image quality has been determined or when there is a request from the customer regarding image quality, perform the adjustment according to the following flow.

[MAX Setup flow] (Figure 1)

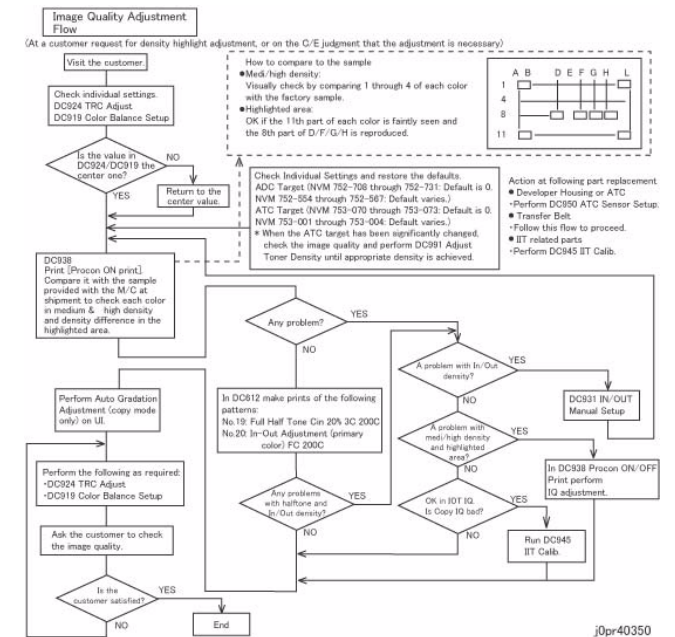


Figure 1 j0pr40350

[Reference: IOT Density Adjustment Procedure Info]

- When setting the output image density to match the standard status
(The target density cannot be changed)
-> Perform Calibration (copy only)
- When changing the output image density in IOT
(As shown below, both (1) and (2) are possible, but (1) is easier to perform)

(As Color Balance for easy copy and Color Balance for print also exist aside from that for the IOT, use them also)

-> (1) Change with DC924 TRC Adjustment.

-> (2) Change with Delta ADC Target (NVM).

("+/-xx" in the table are the upper and lower limit ranges used by the actual controls (The values will be kept within these limits))

NOTE: Negative Delta ADC Target darkens while positive ones lightens. After changing the Delta ADC Target, performing DC938 Procon "On" Print reflects the change in settings

Table 1

Name	Adjustment Area	Y	M	C	K
Delta ADC Target H	High Density	+/-65	+/-65	+/-65	+/-30
		752-728	752-729	752-730	752-731
Delta ADC Target L4	High Density	+/-55	+/-55	+/-55	-
		752-720	752-721	752-722	-
Delta ADC Target L3	Medium Density	+/-35	+/-35	+/-35	+/-35
		752-716	752-717	752-718	752-719
Delta ADC Target L2	Medium Density	+/-20	+/-20	+/-20	+/-30
		752-712	752-713	752-714	752-715
Delta ADC Target L1	Low Density	+/-10	+/-10	+/-10	+/-15
		752-708	752-709	752-710	752-711

- When temporarily changing the density of Toner in the Developer Housing Assy

NOTE: Take note that the Toner Density Adjustment differs from the Delta ADC Target and Delta ATC Target in that it lightens when it is negative and darkens when it is positive.

(Basically, the output image density will not change)

(Even if it is changed here, after a period of normal use the toner density will be controlled to return to the ATC Target)

-> Change with DC991 Adjust Toner Density.

- When changing the density of Toner in the Developer Housing Assy, and then maintaining the change

(Basically, the output image density will not change)

-> Change with Delta ATC Target (NVM).

("+/-xx" in the table are the upper and lower limit ranges used by the actual controls (The values will be kept within these limits))

NOTE: Negative Delta ADC Target darkens while positive ones lightens. After making the change in Step 4, performing DC938 Procon "On" Print reflects the change in Delta ATC Target settings and the measured value is compared with the Target displayed in Step 3 DC991 Adjust Toner Density to change the actual TC (Toner Density in Developer Housing Assy).

Table 2

Name	Adjustment Area	Y	M	C	K
Delta ATC Target	Toner Density (All Density Area)	+/-33	+/-33	+/-33	+/-33
		753-070	753-071	753-072	753-073

- When changing the Vdve (*For specific defects, not necessary for normal use.)
(Basically, the output image density will not change)
-> Change with Delta ADC Target (NVM).

("+/-xx" in the table are the upper and lower limit ranges used by the actual controls (The values will be kept within these limits))

NOTE: Negative Delta ADC Target darkens while positive ones lightens. After changing the Delta ADC Target, performing DC938 Procon "On" Print reflects the change in settings

Table 3

Name	Adjustment Area	Y	M	C	K
Delta ADC Target M	Photoreceptor Potential (High Density Area)	+/-55	+/-55	+/-55	+/-35
		752-724	752-725	752-726	752-727

ADJ 18.1.8 DC919 Color Balance Adjustment (MAX Setup)

Purpose

To perform fine adjustment of the center value of the low density/medium density/high density output balance for each color Y, M, C and K (Black) for copy images.

The center of color adjustment in Customer Mode will be changed by this setup.

- This adjustment is only applicable to the copy function.
- Perform this adjustment only when requested by the customer.

Operation Content

- User can select the color balance adjustment value from -4 to +4 (9 levels) for low density, middle density, and high density outputs for each Y, M, C, K (Black) color, respectively."0" is the default value. The image will become lighter (lower density) from -1 to -4, and darker (higher density) from +1 to +4.
- Image adjustment is carried out in the TRC section of the IIT/IPS according to the set value.
- Keep the set value as the NVM of the IISS.
- When color mode is [BW], the adjustment value for [K] becomes effective.
- The color mode for the output mode of the copy for checking is fixed at FC but the tray is selectable.

The MSI, however, cannot be selected. Paper type and size depend on the selected tray.

Adjustment

- Enter DC919.
Switch to the CE mode and select [Color Balance Adjustment] by the following steps.
 - Press and hold the <0> key for 5 seconds or longer and then press <Start> to switch to CE mode.
 - Enter the password [6.7.8.9] and select [Confirm].
 - Select [Tools] on the Touch Panel.
 - On the [Tools] screen, select [System Settings] -> [Common Service Settings] -> [Maintenance / Diagnostics].
 - Select [MAX Setup].
 - Select [Color Balance Adjustment].

2. Change the values of high density/medium density/low density for Y/M/C/K respectively within the range of -4 to 4 on the DC919 screen and press <Start>. Then, visually check the copy image quality to ensure that it meets the customer's requirements.

ADJ 18.1.9 DC924 TRC Adjustment (MAX Setup)

Purpose

Manual Density Adjustment. Manually sets the offset amount of the ADC-LUT created by the ADC patch and finely adjusts the gradation.

NOTE: When performing this adjustment, make sure that there is no problem with the IOT. After performing the auto gradation adjustment, only perform adjustment for density, especially highlight or central gradation when necessary.

Adjustment Overview

1. The gradation adjustment amount can be set from the screen in 1/128 units (-128 to +127) for the L/ M/H gradation of each color Y, M, C and K. (0 indicates no adjustment. + numbers increase the density, and - numbers reduce the density)
2. The [Target] on the screen can be used to individually set whether the TRC Adjustment applies to Print or Copy.
3. Upon entering the adjustment screen, the Manual LUT adjustment value for the L/M/H of each color [Y], [M], [C] and [K] and the status of the [Target] will be displayed.
4. The Manual LUT adjustment value for each color can be changed on the adjustment screen.
5. [Off], [None], [Copy Jobs Only], or [Copy & Print Jobs] is displayed for the status of the [Target]. This setting can be changed from the screen.
6. Selecting [Start] on the screen updates the NVM according to the Manual LUT adjustment value and [Target] status that are displayed on the screen.

Adjustment

1. Enter DC924.
Switch to the CE mode and select [TRC Adjustment] by the following steps.
 - (1) Press and hold the <0> key for 5 seconds or longer and then press <Start> to switch to CE mode.
 - (2) Enter the password [6.7.8.9] and select [Confirm].
 - (3) Select [Tools] on the Touch Panel.
 - (4) On the [Tools] screen, select [System Settings] -> [Common Service Settings] -> [Maintenance / Diagnostics].
 - (5) Select [MAX Setup].
 - (6) Select [TRC Adjustment].

2. Change the values of high density/medium density/low density for Y/M/C/K respectively within the range of -128 to +127 on the DC924 screen and press <Start>. Then, visually check the copy image quality to ensure that it meets the customer's requirements.
3. Select the [Target] from the following:
 - None
 - Copy Jobs Only
 - Copy & Print Jobs

ADJ 18.1.10 DC931 In/Out Manual Setup (MAX Setup)

Purpose

By adjusting the IN-OUT direction of the ROS light exposure amount (MC rear-front), the IN-OUT uneven density of each of the colors YMCK is corrected independently.

NOTE: There are usually no problems adjusting in Primary Color, but even if the uneven density is corrected for each individual color by the status, environment and machine difference of the MC image developing unit, the RGB and Gray for Secondary/Process Color may not necessarily be corrected in equivalence. In this case, it is possible to specifically adjust the uneven density for RGB or the specified color the customer wishes to adjust.

However, as the unevenness in density for each single color for YMCK may worsen instead in this case, be sure to check the Primary Colors after Secondary/Process Color adjustment and adjust the density to the customer's desired level.

Primary Colors are Y, M, C and K; Secondary Colors are R, B and G printed with 2 of the Y, M and C colors; Process Color is gray color printed with all 3 colors Y, M and C.

NOTE: Although the standard Test Pattern density (Cin) is Low: 20% and Mid: 60%, if it differs from the customer's preferred density, change the Cin within the image when performing this.

Function Description:

- There are 2 functions: [PG Output] and [Adjustment].

<PG Output Mode>

- The 3 types of In/Out Built-in PG is output for the Primary Colors, Secondary/Process Colors, and Single Color specified from the YMCK 4 colors. (As the PG for Primary Colors and Secondary/Process Colors consist of multiple colors, they will be output as the same PG regardless of the color specified)
- The output mode will output one sheet in 4C mode. Paper size and type follow the Tray Settings. (1 to 4 can be specified using Chain-Link in the UI Diag)
- The PG output Procon setup conditions for Potential Control and Toner Supply Control are the same as in Customer mode settings.
- When doing PG output it is necessary to run the Minisetup that can be found in Procon setup.

<Adjustment Mode>

- The Form Adjustment (0 to 10), Form Adjustment Level (1 to 6) and Position Adjustment (5 areas: B, C, D, E, F) found in the In/Out Adjustment Settings of the specified color can be set from the screen.
- The items and the setting range for the In/Out Manual Setup are as follows.

Table 1 Specification

Item	Display	Description	Setting Range
Form Adjustment Level	Each of the 4 colors: Y, M, C, and K	Form Adjustment Level specification – Display NVM during the entry. – Each of the 4 values can be changed individually from the screen.	1 to 6
Position Adjustment	Each of the 4 colors: Y, M, C, and K	[Position Adjustment] screen selection button – Display NVM value during the entry on [Position Adjustment] screen. – Each value at the 5 locations (B, C, D, E, F) can be changed individually from the [Position Adjustment] screen.	-256 to 0 to 256
PG Print Cin %	Cin 1, Cin 2 (2 types)	Built-in PG Pattern Print Cin specification – This option can be changed from the screen.	0 to 100%
PG Print	Select 1 from: Primary Colors, Secondary/Process Colors, or Single Color	Built-in PG Pattern Print Color Selection Button – This option can be changed from the screen.	3 Types: Primary Colors, Secondary/Process Colors, Single Color

Adjustment

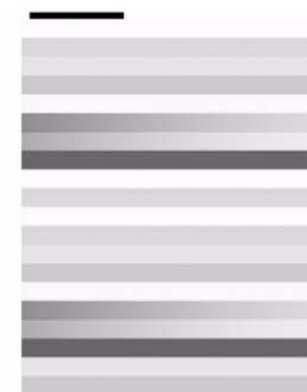
<Primary, Secondary/Process Color Rough Adjustment Procedure>

- Load A3 paper into Tray 1.
- Select [DC931] on the Color Image Quality Adjustment screen. [UI Diag]
Switch to the CE mode and select [In/Out Manual Setup] by the following steps.
 - Press and hold the <0> key for 5 seconds or longer and then press <Start> to switch to CE mode.
 - Enter the password [6.7.8.9] and select [Confirm].
 - Select [Tools] on the Control Panel.
 - Select the [System Settings] tab on the Touch Panel.
 - Select [Common Service Settings].
 - Select [Maintenance / Diagnostics].
 - Select [MAX Setup].
 - Select [In/Out Manual Setup].
- Select [Primary Color] and select [Print].
At this time, select [Color] to check the density and balance for all colors or select [Single Color] and [Y, M, C, or K] to check the density of one specific color.

NOTE: Coverage 1, 2

2 types of densities can be set to be printed on the output sample for each color - Yellow, Magenta, Cyan, and Black.

- The Primary Color Test Pattern is output. (Figure 1)



j0ms40912

Figure 1 j0ms40912

5. In the test pattern that is output, check the In-Out density of each of Y, M, C and K. Choose and determine the In-Out density distribution from the following 10 patterns.

[Chart of patterns that are dark or light in the center [Patterns: 1, 4, 5, 6]] (Figure 2)

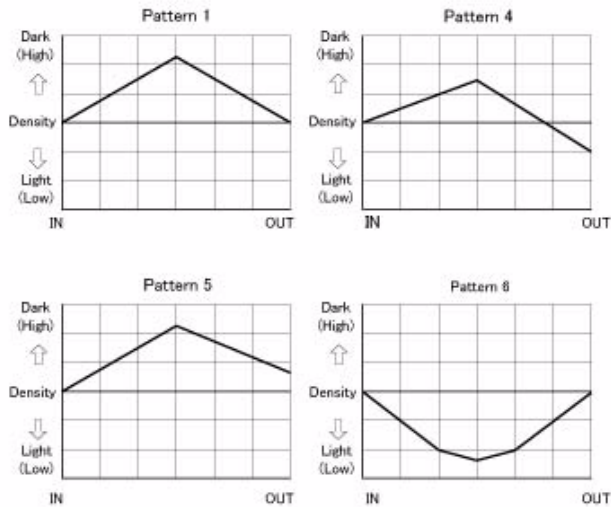


Figure 2 j0tz40351

[Chart of patterns that have a dark Out-Board [rear] [Patterns: 2, 7, 10]] (Figure 3)

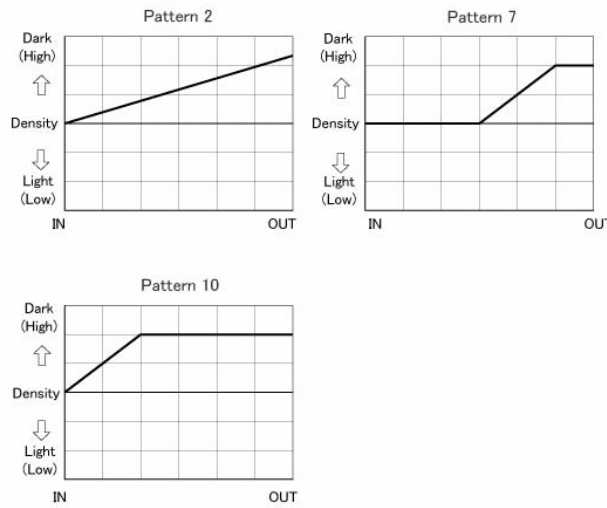


Figure 3 j0ms40914

[Chart of patterns that have a light Out-Board [rear] [Patterns: 3, 8, 9]] (Figure 4)

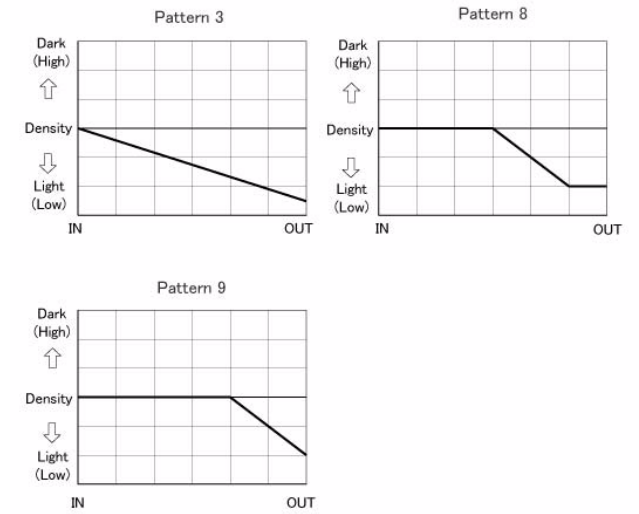


Figure 4 j0ms40915

6. After determining the pattern in Step 5, choose and determine the density level from the following figures.

It is recommended to enter Level 3 first and check the change in density before proceeding.

[For checking the levels of Patterns 1 & 4 (dark in the center)] (Figure 5)

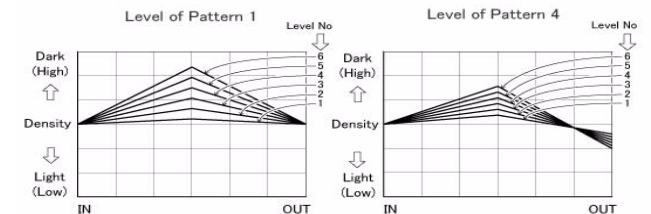


Figure 5 j0ms40916

[For checking the levels of Patterns 5 & 6 (dark/light in the center)] (Figure 6)

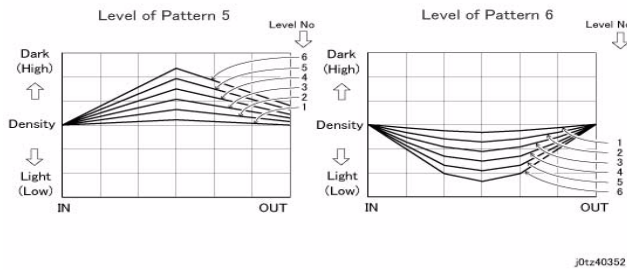


Figure 6 j0tz40352

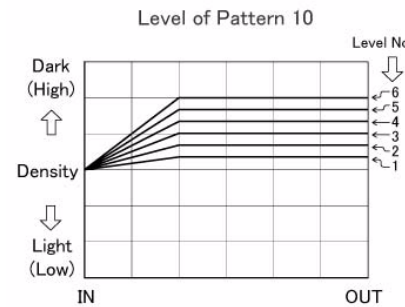


Figure 8 j0ms40919

[For checking the levels of Patterns 2 & 7 (dark Out-Board)]
(Figure 7)

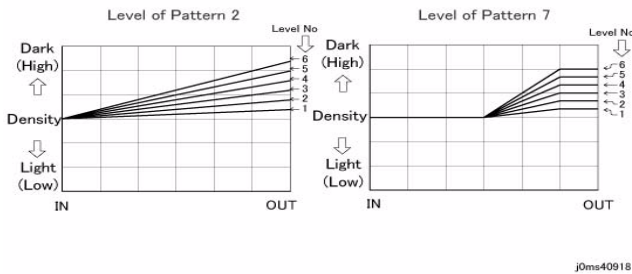


Figure 7 j0ms40918

[For checking the levels of Patterns 10 (dark Out-Board)] (Figure 8)

[For checking the levels of Patterns 3 & 8 (light Out-Board)]
(Figure 9)

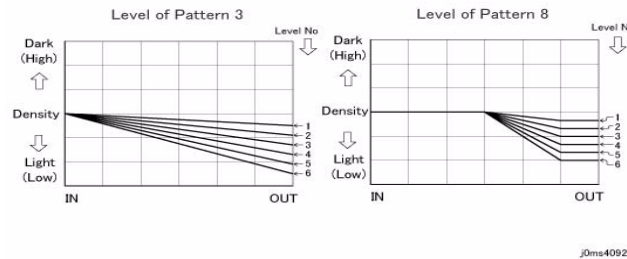


Figure 9 j0ms40920

[For checking the levels of Patterns 9 (light Out-Board)] (Figure 10)

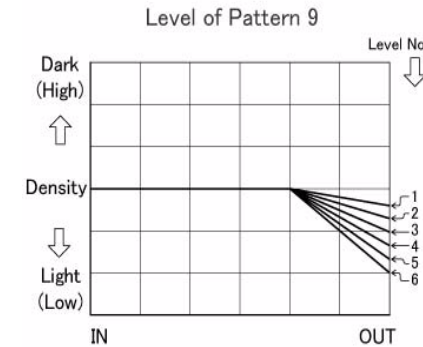


Figure 10 j0ms40921

7. Input the Color Adjustment, Form Adjustment Pattern, and Form Adjustment Pattern Level after checking Steps 5 and 6.
8. After completing the input, select [Primary Color] for PG Print.
9. Again select [Print] on the screen to output the Test Pattern.
10. Repeat Steps 3 to 9 until the density for every color is even. If other fine adjustment is needed, perform fine adjustment by following the next procedure [Fine Adjustment Procedure].
11. When adjustment for Primary Color is completed, check the In-Out density in the same way for Secondary/Process Color as follows.
12. Select the following and then select [Print].
 - Tray: Tray 1 (Check that A3 paper is loaded.)
 - Output Pattern: Secondary/Process Color
13. Perform the following Steps 4 to 9 to adjust the density of Secondary/Process Color. If other fine adjustment is needed, perform fine adjustment by following the next procedure [Fine Adjustment Procedure].

<Primary, Secondary/Process Color Fine Adjustment Procedure>

In the rough adjustment procedure, samples were printed and the adjustment is performed by patterns and levels. For those that cannot be handled by the levels, the fine adjustment procedure is described below.

1. As in the rough adjustment procedure, print the sample and choose the pattern level.

- After selection, refer to the following figure and determine the area that needs to be fine-tuned. (Figure 11)

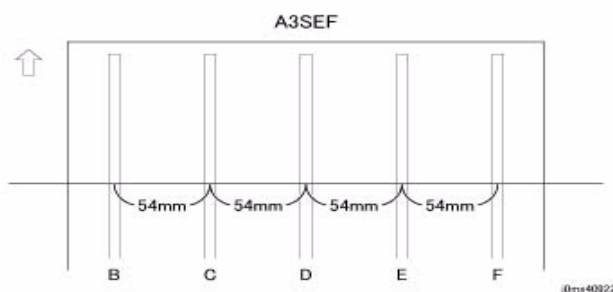


Figure 11 j0ms40922

- Compare the sample with Figure 11 above. Determine which position (B, C, D, E or F) needs to be fine-tuned.
- Determine the color and area that needs to be adjusted. Fine adjustment is possible by increasing/decreasing the number in the corresponding box.
 - (Increasing the value will make the color darker.)
 - (Decreasing the value will make the color lighter.)

NOTE: As there is a limit to the adjustment amount, the current value can be changed by up to +/-30 when levels 1 to 4 are selected for the fine adjustment and although values outside this range can be entered, they will not have any adjustment effect.
- After entering the value, select [Settings] and print the pattern again to check the density. Repeat Steps 1 to 5 until the density is even.

ADJ 18.1.11 DC938 Procon On / Off Print (MAX Setup)

There are 2 modes in Procon On / Off Print, namely Procon "On" Print mode and Procon "Off" Print mode.

The details are as follows.

- Procon "On" Print mode: Procon + TRC Adjustment enabled state.
- Procon "Off" Print mode: IOT element state.

The Procon "On" Print mode and Procon "Off" Print mode are described separately below.

Procon "On" Print

Purpose

Create Minisetup and Job End Patch with the same settings as the Customer Mode. Check the color density of the printed sample and the related settings for each type of Process Control for occurrences of hidden failures.

Use this mode during:

- Density check
- Process Control related NVM check
- Process Control hidden failure check

Operation Overview

- Upon entering the adjustment screen, the NVM from the following table or the Read button will be displayed. (However, a blank screen will appear upon entry if there is failure.)
- Selecting [Start] on the screen performs the Minisetup in 4C mode (paper type according to tray settings: Depending on settings, Cycle out may happen once after Minisetup). 1 sheet of the built-in PG [Pcon PG] will be printed and the job patch created. (The Tray and screen are selectable: Default is Tray 1 and 200C).
- The PCON output conditions for Potential Control, Toner Supply Control, and ADC Gradation Control are the same as in Customer mode settings.
- At the completion, the updated NVM from the following table will be displayed on the screen. Or the Read button will be displayed.

Screen display and NVM table for data storage (each NVM is recorded using an item name and a Chain-Link No.)

Table 1

Screen Display Name	Y	M	C	K
ADC Patch Cin H	ADC_Cin[H] [Y]	ADC_Cin [H] [M]	ADC_Cin [H] [C]	ADC_Cin [H] [K]
	752-026	752-027	752-028	752-029
ADC Target H	RADC Correction Target Value [H] [Y]	RADC Correction Target Value [H] [M]	RADC Correction Target Value [H] [C]	RADC Correction Target Value [H] [K]
	752-573	752-579	752-585	752-591
Measured ADC H	RADC [H] [Y]	RADC [H] [M]	RADC [H] [C]	RADC [H] [K]
	752-232	752-233	752-234	752-235
Measured ADC Min 1 H	RADC_Min 1 [H] [Y]	RADC_Min 1 [H] [M]	RADC_Min 1 [H] [C]	RADC_Min 1 [H] [K]
	752-256	752-257	752-258	752-259
Measured ADC Min 2 H	RADC_Min 2 [H] [Y]	RADC_Min 2 [H] [M]	RADC_Min 2 [H] [C]	RADC_Min 2 [H] [K]
	752-280	752-281	752-282	752-283
ADC Patch Cin M	-	-	-	-
	-	-	-	-
ADC Target M	RADC Correction Target Value [M] [Y]	RADC Correction Target Value [M] [M]	RADC Correction Target Value [M] [C]	RADC Correction Target Value [M] [K]
	752-572	752-578	752-584	752-590
Measured ADC M	RADC [M] [Y]	RADC [M] [M]	RADC [M] [C]	RADC [M] [K]
	752-228	752-229	752-230	752-231
Measured ADC Min 1 M	RADC_Min 1 [M] [Y]	RADC_Min 1 [M] [M]	RADC_Min 1 [M] [C]	RADC_Min 1 [M] [K]
	752-252	752-253	752-254	752-255
Measured ADC Min 2 M	RADC_Min 2 [M] [Y]	RADC_Min 2 [M] [M]	RADC_Min 2 [M] [C]	RADC_Min 2 [M] [K]
	752-276	752-277	752-278	752-279
ADC Patch Cin L4	ADC_Cin [L4] [Y]	ADC_Cin [L4] [M]	ADC_Cin [L4] [C]	-
	752-018	752-019	752-020	-

Table 1

Screen Display Name	Y	M	C	K
ADC Target L4	RADC Correction Target Value [L4] [Y]	RADC Correction Target Value [L4] [M]	RADC Correction Target Value [L4] [C]	-
	752-571	752-577	752-583	-
Measured ADC L4	RADC[L4] [Y]	RADC[L4] [M]	RADC[L4] [C]	-
	752-224	752-225	752-226	-
Measured ADC Min 1 L4	RADC_Min 1 [L4] [Y]	RADC_Min 1 [L4] [M]	RADC_Min 1 [L4] [C]	-
	752-248	752-249	752-250	-
Measured ADC Min 2 L4	RADC_Min 2 [L4] [Y]	RADC_Min 2 [L4] [M]	RADC_Min 2 [L4] [C]	-
	752-272	752-273	752-274	-
ADC Patch Cin L3	ADC_Cin [L3] [Y]	ADC_Cin [L3] [M]	ADC_Cin [L3] [C]	ADC_Cin [L3] [K]
	752-014	752-015	752-016	752-017
ADC Target L3	RADC Correction Target Value [L3] [Y]	RADC Correction Target Value [L3] [M]	RADC Correction Target Value [L3] [C]	RADC Correction Target Value [L3] [K]
	752-570	752-576	752-582	752-588
Measured ADC L3	RADC [L3] [Y]	RADC [L3] [M]	RADC [L3] [C]	RADC [L3] [K]
	752-220	752-221	752-222	752-223
Measured ADC Min 1 L3	RADC_Min 1 [L3] [Y]	RADC_Min 1 [L3] [M]	RADC_Min 1 [L3] [C]	RADC_Min 1 [L3] [K]
	752-244	752-245	752-246	752-247
Measured ADC Min 2 L3	RADC_Min 2 [L3] [Y]	RADC_Min 2 [L3] [M]	RADC_Min 2 [L3] [C]	RADC_Min 2 [L3] [K]
	752-268	752-269	752-270	752-271
ADC Patch Cin L2	ADC_Cin [L2] [Y]	ADC_Cin [L2] [M]	ADC_Cin [L2] [C]	ADC_Cin [L2] [K]
	752-010	752-011	752-012	752-013
ADC Target L2	RADC Correction Target Value [L2] [Y]	RADC Correction Target Value [L2] [M]	RADC Correction Target Value [L2] [C]	RADC Correction Target Value [L2] [K]
	752-569	752-575	752-581	752-587

Table 1

Screen Display Name	Y	M	C	K
Measured ADC L2	RADC [L2] [Y]	RADC [L2] [M]	RADC [L2] [C]	RADC [L2] [K]
	752-216	752-217	752-218	752-219
Measured ADC Min 1 L2	RADC_Min 1 [L2] [Y]	RADC_Min 1 [L2] [M]	RADC_Min 1 [L2] [C]	RADC_Min 1 [L2] [K]
	752-240	752-241	752-242	752-243
Measured ADC Min 2 L2	RADC_Min 2 [L2] [Y]	RADC_Min 2 [L2] [M]	RADC_Min 2 [L2] [C]	RADC_Min 2 [L2] [K]
	752-264	752-265	752-266	752-267
ADC Patch Cin L1	ADC_Cin [L1] [Y]	ADC_Cin [L1] [M]	ADC_Cin [L1] [C]	ADC_Cin [L1] [K]
	752-006	752-007	752-008	752-009
ADC Target L1	RADC Correction Target Value [L1] [Y]	RADC Correction Target Value [L1] [M]	RADC Correction Target Value [L1] [C]	RADC Correction Target Value [L1] [K]
	752-568	752-574	752-580	752-586
Measured ADC L1	RADC [L1] [Y]	RADC [L1] [M]	RADC [L1] [C]	RADC [L1] [K]
	752-212	752-213	752-214	752-215
Measured ADC Min 1 L1	RADC_Min 1 [L1] [Y]	RADC_Min 1 [L1] [M]	RADC_Min 1 [L1] [C]	RADC_Min 1 [L1] [K]
	752-236	752-237	752-238	752-239
Measured ADC Min 2 L1	RADC_Min 2 [L1] [Y]	RADC_Min 2 [L1] [M]	RADC_Min 2 [L1] [C]	RADC_Min 2 [L1] [K]
	752-260	752-261	752-262	752-263
ADC Patch Fail	ADC Patch Fail [Y]	ADC Patch Fail [M]	ADC Patch Fail [C]	ADC Patch Fail [K]
	752-182	752-183	752-184	752-185
ADC Shutter Open Fail (Common to 4 colors)	ADC Shutter Open_Fail	-	-	-
	752-179	-	-	-
ADC Shutter Close Fail (Common to 4 colors)	ADC Shutter Close_Fail	-	-	-
	752-178	-	-	-

Table 1

Screen Display Name	Y	M	C	K
ADC Sensor Fail (Common to 4 colors)	ADC Sensor Fail	-	-	-
	752-181	-	-	-
ADC Minisetup Fail	ADC_Minisetup_Fail [Y]	ADC_Minisetup_Fail [M]	ADC_Minisetup_Fail [C]	ADC_Minisetup_Fail [K]
	752-195	752-196	752-197	752-198
ATC Target	ATC Correction Target Value [Y]	ATC Correction Target Value [M]	ATC Correction Target Value [C]	ATC Correction Target Value [K]
	753-005	753-006	753-007	753-008
Measured ATC Average	ATC Average Value [Y]	ATC Average Value [M]	ATC Average Value [C]	ATC Average Value [K]
	752-363	752-364	752-365	752-366
Measured ATC Amplitude	ATC Amplitude [Y]	ATC Amplitude [M]	ATC Amplitude [C]	ATC Amplitude [K]
	752-367	752-368	752-369	752-370
ATC Average Fail	ATC Average Fail [Y]	ATC Average Fail [M]	ATC Average Fail [C]	ATC Average Fail [K]
	752-371	752-372	752-373	752-374
ATC Amplitude Fail	ATC Amplitude Fail [Y]	ATC Amplitude Fail [M]	ATC Amplitude Fail [C]	ATC Amplitude Fail [K]
	752-375	752-376	752-377	752-378
Charged Voltage	BCR_DC_OUT [Y]	BCR_DC_OUT [M]	BCR_DC_OUT [C]	VG_OUT [K]
	754-002	754-003	754-004	754-005
Bias Setting	BIAS_DC_OUT [Y]	BIAS_DC_OUT [M]	BIAS_DC_OUT [C]	BIAS_DC_OUT [K]
	754-006	754-007	754-008	754-009
LD Power	LD_OUT [Y]	LD_OUT [M]	LD_OUT [C]	LD_OUT [K]
	754-010	754-011	754-012	754-013
Vdeve (Procon "On" Print)	Vdeve_PC_ON_PS[Y]	Vdeve_PC_ON_PS[M]	Vdeve_PC_ON_PS[C]	Vdeve_PC_ON_PS[K]
	754-070	754-071	754-072	754-073

Table 1

Screen Display Name	Y	M	C	K
Vdeve (Procon "Off" Print)	Vdeve_Standard_PS [Y]	Vdeve_Standard_PS [M]	Vdeve_Standard_PS [C]	Vdeve_Standard_PS [K]
	754-503	754-504	754-505	754-506
Vdeve Upper Limit	Correction Vdeve Upper Limit_PS [Y]	Correction Vdeve Upper Limit_PS [M]	Correction Vdeve Upper Limit_PS [C]	Correction Vdeve Upper Limit_PS [K]
	754-495	754-496	754-497	754-498
Vdeve Lower Limit	Correction Vdeve Lower Limit_PS [Y]	Correction Vdeve Lower Limit_PS [M]	Correction Vdeve Lower Limit_PS [C]	Correction Vdeve Lower Limit_PS [K]
	754-491	754-492	754-493	754-494
Vcf (Procon "On" Print)	CF_PCON [Y]	CF_PCON [M]	CF_PCON [C]	CF_PCON [K]
	754-576	754-578	754-580	754-582
Vcf (Procon "Off" Print)	[Current] CF_Standard [Y]	[Current] CF_Standard [M]	[Current] CF_Standard [C]	[Current] CF_Standard [K]
	754-507	754-508	754-509	754-510
Vcf Upper Limit	Correction CF Upper Limit [Y]	Correction CF Upper Limit [M]	Correction CF Upper Limit [C]	Correction CF Upper Limit [K]
	754-299	754-300	754-301	754-302
Vcf Lower Limit	Correction CF Lower Limit [Y]	Correction CF Lower Limit [M]	Correction CF Lower Limit [C]	Correction CF Lower Limit [K]
	754-303	754-304	754-305	754-306
Process Speed	Previous Panel Speed [YMC]	Previous Panel Speed [YMC]	Previous Panel Speed [YMC]	Previous Panel Speed [K]
	753-162	753-162	753-162	753-163
Temperature	Temperature	-	-	-
	752-338	-	-	-
Humidity	Humidity	-	-	-
	752-339	-	-	-

Table 1

Screen Display Name	Y	M	C	K
Temperature Fail	Temperature Sensor Fail	-	-	-
	752-342	-	-	-
Humidity Fail	Humidity Sensor Fail	-	-	-
	752-343	-	-	-

Adjustment

- Enter DC938.
Switch to the CE mode and select [Procon ON] by the following steps.
 - Press and hold the <0> key for 5 seconds or longer and then press <Start> to switch to CE mode.
 - Enter the password [6.7.8.9] and select [Confirm].
 - Select [Tools] on the Touch Panel.
 - On the [Tools] screen, select [System Settings] -> [Common Service Settings] -> [Maintenance / Diagnostics].
 - Select [MAX Setup].
 - Select [Procon On / Off Print].
 - Select [Procon "On" Print].
- Load the A3 paper in the Tray and press <Start>. (The Tray and screen are selectable: Default is Tray 1 and 200C). 1 sheet of the built-in PG [Pcon PG] is output and the execution result is displayed.
- Check the image quality of the print in Procon ON status with the data displayed in image quality.
 - Check that there is no NG in a failed result. If there is NG, carry out failure correction.
 - Check the printed PG sample. Check the density and color shift of the medium/high density areas, and the reproduced density and color shift of the highlights.
 - When there are problems with the reproduced medium/high density, go to Step (3).
 - When there are problems with the reproduced high-light density, go to Step (4).
 - When there no problems with the abovementioned, go to Step (5).

- (3) Check the reproduced medium/high density as follows.

Table 2

Step	Check Data	Check Method	When out of range
1	<ul style="list-style-type: none"> ADC Target H Measured ADC H 	Check that the Measured ADC H is within a +/-30 bit range of the ADC Target.	<ol style="list-style-type: none"> Check the ATC Target/Measured ATC Average. If the Measured ATC Average is not within a +/-20 bit range of the ATC Target, adjust using DC991 Tone Up / Down and then perform Procon "On" Print again to check. Compare with DC612 Pattern No. 16 (Procon PG) and check the effect of the ADC Gradation Control. (Turn OFF the ADC Gradation Control when outputting using DC612) -> If the DC612 sample is also NG, go to Step 2.

Table 2

Step	Check Data	Check Method	When out of range
2	<ul style="list-style-type: none"> ADC Target M Measured ADC M Vdeve Vdeve Upper Limit Vdeve Lower Limit 	<ul style="list-style-type: none"> Check that the Measured ADC M is within a +/-30 bit range of the ADC Target. Check that the Vdeve has neither reached the Vdeve Upper Limit nor Vdeve Lower Limit. 	<p>i. If the Measured ADC M is out of range when the Vdeve is neither at the Vdeve Upper Limit nor Vdeve Lower Limit, check the ATC Target/Measured ATC Average. If the Measured ATC Average is not within a +/-20 bit range of the ATC Target, adjust using DC991 Tone Up / Down and then perform Procon "On" Print again to check.</p> <p>ii. Compare with DC612 Pattern No. 16 (Procon PG) and check the effect of the ADC Gradation Control. (Turn OFF the ADC Gradation Control when outputting using DC612) Or, use Procon "Off" Print to check the effect of the potential settings. (Turn OFF the ADC Gradation Control and use standard potential settings when outputting using Procon "Off" Print) -> If it is stil NG when using Procon "Off" Print, troubleshoot the photoreceptor (potential), Development, and Transfer. Replace the photoreceptor unit, the Developing Powder/ Developer Housing Assy and the Transfer Component. If the Procon "Off" Print is OK, replace the ADC Sensor Unit.</p> <p>iii. If the Vdeve has reached the Vdeve Upper Limit or Vdeve Lower Limit (5), check Step 3.</p>

(4) Check the reproduced highlight density as follows.

Table 3

Step	Check Data	Check Method	When out of range
1	<ul style="list-style-type: none"> ADC Target L1, L2, L3, L4 Measured ADC L1, L2, L3, L4 	<ul style="list-style-type: none"> Check that the Measured ADC L1, L2, L3, L4 are within a +/-30 bit range of the ADC Target. 	<p>i. Check the ATC Target/Measured ATC Average. If the Measured ATC Average is not within a +/-20 range of the ATC Target, adjust using Tone Up / Down and then perform Procon "On" Print again to check.</p> <p>ii. Compare with DC612 Pattern No. 16 (Procon PG) and check the effect of the ADC Gradation Control. (Turn OFF the ADC Gradation Control when outputting using DC612) -> If the DC612 sample is also NG, use Procon "Off" Print to check the effect of the potential settings. (Turn OFF the ADC Gradation Control and use standard potential settings when outputting using Procon "Off" Print) -> If it is stil NG when using Procon "Off" Print, troubleshoot the photoreceptor (potential), Development, and Transfer. Replace the photoreceptor unit, the Developing Powder/ Developer Housing Assy and the Transfer Component. If the Procon "Off" Print is OK, replace the ADC Sensor Unit.</p>

(5) Check the following data in order and carry out the procedure only when necessary.

Table 4

Step	Check Data	Check Method	When out of range
1	<ul style="list-style-type: none"> ATC Target Measured ATC Average 	<ul style="list-style-type: none"> Check that the Measured ATC Average is within a +/-20 bit range of the ATC Target. 	<p>i. Use DC991 Tone Up / Down to make it within +/-20 bit of the ATC Target.</p> <p>ii. When the Measured ATC Average cannot be restored (made smaller) even in DC991 Tone Up / Down, check for toner supply related problems (Toner Dispenser, Empty Sensor, etc.).</p>
2	<ul style="list-style-type: none"> Temperature Humidity 	<ul style="list-style-type: none"> Check that the temperature and humidity is not deviating too far from the MC installation environment (environment within the machine). (Check by sensing physically) 	-

Table 4

Step	Check Data	Check Method	When out of range
3	<ul style="list-style-type: none"> Vdeve Vdeve Upper Limit Vdeve Lower Limit 	Compare the Vdeve with the Vdeve Upper Limit and Vdeve Lower Limit. The closer it is to the upper limit, the more difficult it is to output the density and the closer it is to the lower limit, the easier it is to output the density.	Although this is usually not set outside the range, for cases where the Vdeve is at the Vdeve Upper Limit and the density is light/Vdeve is at the Vdeve Lower Limit and the density is dark and the Procon Control range has been exceeded, causing the density to be abnormal, troubleshoot the photoreceptor (potential), Development, and Transfer. -> Replace the photoreceptor unit, the Developing Powder/Developer Housing Assy and the Transfer Component. For other than the above cases, the Vdeve reaching the Vdeve Upper Limit or Vdeve Lower Limit is not a problem.

Procon "Off" Print

Purpose

Create Minisetup and Job End Patch with the status of the IOT elements (in Standard Potential mode and ADC Gradation Control turned OFF) and check the color density of the printed sample and the related settings for each type of PCON for occurrences of hidden failures. Isolate the problems by comparing with Procon "On" Print.

Use this mode during:

- Density check
- Process Control related NVM check
- Process Control hidden failure check

Operation Overview

- Upon entering the adjustment screen, the NVM from the following table or the Read button will be displayed. (However, a blank screen will appear upon entry if there is failure.)

- Selecting [Start] on the screen performs Minisetup in 4C mode (paper type according to tray settings: Other than 308 mm, Cycle out once after Minisetup). 1 sheet of the built-in PG [Pcon PG 200C] will be printed and the job patch created. (The Tray and screen are selectable: Default is Tray 1 and 200C).
- The PCON output conditions do not follow the Customer mode settings and the Potential Control is the Standard Potential mode. Turn OFF the ADC Gradation Control. Toner Supply Control is the same as in Customer mode settings.
- At the completion, the updated NVM from the following table will be displayed on the screen. Or the Read button will be displayed.

Each NVM in the display is the same as for Procon "On" Print.

Adjustment

- Enter DC938.
Switch to the CE mode and select [Procon On / Off Print] by the following steps.
 - Press and hold the <0> key for 5 seconds or longer and then press <Start> to switch to CE mode.
 - Enter the password [6.7.8.9] and select [Confirm].
 - Select [Tools] on the Touch Panel.
 - On the [Tools] screen, select [System Settings] -> [Common Service Settings] -> [Maintenance / Diagnostics].
 - Select [MAX Setup].
 - Select [Procon On / Off Print].
 - Select [Procon "Off" Print].
- Load the A3 paper in the Tray and press <Start>.
1 sheet of the built-in PG [Pcon PG] is output and the execution result is displayed.
The following problems can be isolated by turning OFF the Procon.
The difference from Procon ON is shown in Table 5 below.

Table 5

	OFF Items	For isolating the problem (concept)
2	Turn OFF the ADC Gradation Control. (Note)	When reproduced highlights are poor, differentiate between problems with the IOT itself and problems with the ADC Gradation Adjustment.

Compare the sample of Procon "On" with that of Procon "Off" and adjust with the following.

NOTE: When trying to determine whether the problem is only that of the ADC Gradation Control, it can be done more easily by comparing the sample that is output using Pattern No. 16 (Procon PG) in DC612 (the sample with ADC Gradation Control turned OFF) and Procon "On" Print (the sample with ADC Gradation Control turned ON).

Table 5

	OFF Items	For isolating the problem (concept)
1	Turn OFF the Potential Control and print the Standard Potential Settings.	For medium/high density problems, differentiate between developing/transfer problems in the status of IOT elements and Potential Control problems due to Procon ADC.

ADJ 18.1.12 DC950 ATC Sensor Setup (MAX Setup)

Purpose

To acquire the sensitivity correction values [Correction Coefficient] and [Correction Offset] for adjusting the ATC sensor output from the bar code numbers which display the sensitivity attribute in every ATC sensor. The bar code numbers are set in NVM [Bar Code Number] manually from this adjustment screen.

When this adjustment is required:

- During replacement of Developer Housing Assembly (If the replacement is only for the developing powder, this process is not required)
- ATC Sensor replacement

Operation Overview

- Upon entering the adjustment screen, the NVM values [Bar Code Number], [Correction Coefficient], and [Correction Offset] for each of the colors [Y], [M], [C], and [K] will be displayed.
- The [Bar Code Number] value displayed on the adjustment screen can be rewritten with the Keypad.
- Selecting [Start] on the screen updates the NVM [Bar Code Number], [Correction Coefficient], and [Correction Offset] for each of the colors [Y], [M], [C], and [K] after the calculation based on the [Bar Code Number] value displayed on the screen at that time. The [Correction Coefficient] and [Correction Offset] screen displays will also be updated at the same time.

Adjustment

1. Enter DC950.
Switch to the CE mode and select [ATC Sensor Setup] by the following steps.
 - (1) Press and hold the <0> key for 5 seconds or longer and then press <Start> to switch to CE mode.
 - (2) Enter the password [6.7.8.9] and select [Confirm].
 - (3) Select [Tools] on the Touch Panel.
 - (4) On the [Tools] screen, select [System Settings] -> [Common Service Settings] -> [Maintenance / Diagnostics].
 - (5) Select [MAX Setup].
 - (6) Select [ATC Sensor Setup].
2. Input the number indicated on the replaced sensor into the [Bar Code Number] on the screen and press <Start>.

Check that the [Correction Coefficient] and [Correction Offset] have changed.

ADJ 18.1.13 DC956 Belt Edge Learn (Sub System)

Purpose

Input the form of the Belt end into the memory of the machine to print in alignment with the form of the Belt.

Creates an Edge Profile Table (table for performing Belt Walk control) in order to set the Edge Learn mode at factory shipment or during the replacement of Belt system component (IBT Belt, Edge Sensor).

This adjustment is required during:

- Developer Housing Assy replacement
- ATC Sensor replacement

NOTE: After performing DC675 Regi Control Setup Cycle, make sure to perform this Diag and it must be completed successfully.

NOTE: Processing time: Max. approx. 100 s (13 Belt cycles)

Adjustment

1. Enter DC956.
Switch to the CE mode and select [Belt Edge Learn] by the following steps.
 - (1) Press and hold the <0> key for 5 seconds or longer and then press <Start> to switch to CE mode.
 - (2) Enter the password [6.7.8.9] and select [Confirm].
 - (3) Select [Tools] on the Touch Panel.
 - (4) On the [Tools] screen, select [System Settings] -> [Common Service Settings] -> [Maintenance / Diagnostics].
 - (5) Select [Sub System].
 - (6) Select [Belt Edge Learn].
2. Press <Start>.
The form of the Belt is digitized and stored in the machine automatically.

ADJ 18.1.14 DC991 Adjust Toner Density (MAX Setup)

Purpose

- To automatically or manually adjust the toner density in the Developer Housing Assy with Tone Up and Tone Down.

This adjustment becomes necessary in the following cases:

- The difference between the current ATC Target Value and Measured Value is large (20 bit or higher)
- When you want to change the toner density intentionally

<Automatic Adjustment Mode>

- Uses the ATC Sensor to automatically adjust the toner density to approach the TC Target Value.
- As automatic adjustment cannot be performed when ATC Average Fail or ATC Amplitude Fail has occurred, the automatic adjustment is not possible when the ATC Sensor item displays NG (perform manual adjustment when NG).

NOTE: Although the difference between the TC Target Value and Measured TC Value is aimed to be around +/-20 (* there are cases where this is slightly larger than +/-20), if the Measured TC Value diverges largely from the TC Target Value before the automatic adjustment, the process might end without it being reduced to within the +/-20 range. In such cases, the automatic adjustment must be performed again. If multiple automatic adjustments had been performed and it is still not within the +/-20 range, it is highly likely that an error, such as a failure at the Toner Supply section, has occurred. The ATC Sensor item does not enter the NG state, such as due to a failure at the Toner Supply section, based solely on the ATC Average Fail or ATC Amplitude Fail judgment. Furthermore, as the process can complete successfully even when the difference between the TC Target Value and Measured TC Value is not within the +/-20 range, to find out whether the adjustment had actually brought it closer to the TC Target Value, check by comparing the Measured TC Value with the TC Target Value.

<Manual Adjustment Mode>

- Set the [Number of Sheets] that is required for the Tone Up / Down at the UI and manually supply the toner to change the toner density in the Developer Housing Assy that is being used up.

Operation Overview

Mode for performing Tone Up and Tone Down.

Table 1

Item	Operation Overview
Tone Up	No paper feed. Supplies toner at specified time.
Tone Down	No paper feed. Stops toner supply.

Machine operation:

- For XERO/DEVE, this is the same as the case for normal images. Xfer2nd Retract, Output OFF. Output is also OFF for 1st. Follow Diag No Paper Mode for Jam detection etc.
- During the operation, the V-Transport is stopped and the Fusing Unit cannot be driven. -> Considered as Standby status (no rotation, and the temperature is controlled in the same way as in Standby)
- After No Paper Run of the number of sheets specified above, Cycle Down is carried out after X'fer 2nd Contact and Belt 2 rotation. The Developer Housing Assy is also rotated during this period (remove blank paper and perform mixing during this period)

Procon operation:

- Toner supply control settings are as follows and does not follow the settings in Customer mode. After the operation, the Customer mode settings are restored.
- Potential Control, ADC Gradation Control and Auto Gradation Control are the same as in Customer mode settings.

Toner supply control:

- Operates automatically or manually according to Up and Down settings for each color.

NOTE: For details on the adjustment method, refer to 6.4.2.37.

ADJ 18.1.15 UI Touch Panel Origin Point Correction

Purpose

To align the position of the buttons on the display and the Touch Panel so that the user can select the contents on the display using the Touch Panel.

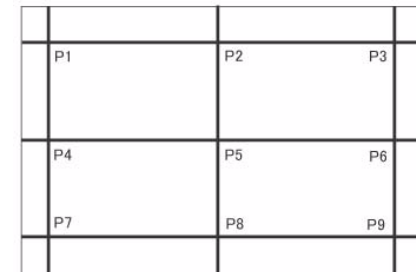
Perform this adjustment when the UI PWB and the Control Panel are replaced.

NOTE: As the adjustment is performed using your finger, be careful not to scratch the UI surface.

Adjustment

- Hold down the <0>, <1>, <3> keys on the Control Panel while turning ON the machine.

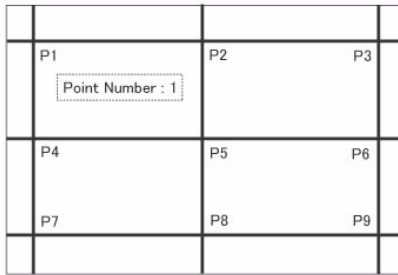
The following will appear on the display. (Figure 1)



j0fu40239

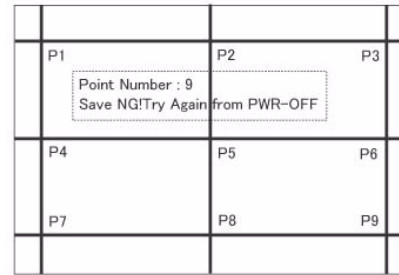
Figure 1 j0fu40239

- Using one finger, touch the intersections of the vertical and horizontal lines, P1 to P9, in sequence. When P1 is pressed, the following is displayed and the buzzer sounds. (Figure 2)



j0fu40240

Figure 2 j0fu40240



j0fu40242

Figure 4 j0fu40242

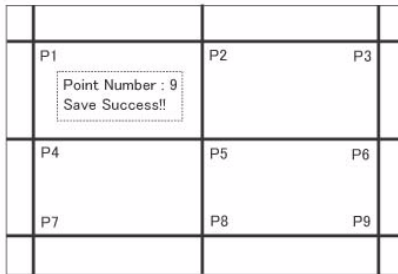
NOTE: When the power is turned ON immediately after turning it OFF, the screen in Figure 3 is displayed. Therefore, turn the power OFF after adjustment and wait for 1 minute before turning it ON again.

NOTE: When the Main Switch is turned OFF and is detected by the ON/OFF Monitor, a delay circuit occurs and the output voltage will be cut off after some time. The time until the cutoff is as follows:

IOT: OFF after 3sec

ESS: OFF after 40sec

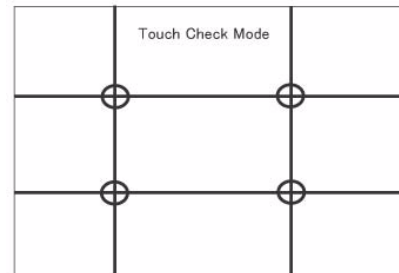
- Each time you press the intersections from P2 to P9 using your finger, the number will increase sequentially from 1->9.
- After pressing P9, Origin Point Correction is carried out and the following screen will appear for a moment when the corrected data has been saved. (Figure 3)



j0fu40241

Figure 3 j0fu40241

- When the Origin Point Correction is complete, the following screen is displayed. (Figure 5)
Press on the 4 circled intersections. (In any order.) A black box will be displayed on the pressed parts and remains until the next input.
The buzzer sounds when the correction is complete -> Origin Point Correction complete.
The buzzer does not sound if the correction has failed -> Perform correction again.



j0fu40243

Figure 5 j0fu40243

- If the correction has failed, the following screen appears. (Figure 4)

- Turn OFF the power.
If correction has failed, repeat Steps 1 to 6 again.

ADJ 18.1.16 Firmware Version Upgrade

Purpose

This procedure is performed to update the machine firmware (ESS, IOT, IISS, DADF, Finisher, HCF), or when reinstallation of the machine firmware is required due to failure of some sort.

NOTE: CE will perform the updating.

<Obtaining the Firmware>

Download the Firmware Version Upgrade Tool (FXDLMgr.exe) and the machine Firmware from the following location when upgrading the machine Firmware.

[APO/GCO]

- Refer to APO RTS Docushare.

NOTE: Downloading both software from the web site may take some time (depending on the environment) because of the file size. Hence, download the software into the PC (PSW) in advance before visiting the customer.

NOTE: Required installation environment

- OS: Windows95/98/2000/NT4.0 (SP3.0 or later)/XP <PJL method (Port9100: Network)>
OS: Windows2000 <DLD method (USB1.1)> DC models can only use USB1.1
- CPU: Pentium (100MHz) or higher
- Memory: 32MB or higher
- Hard disk capacity available: 200MB or higher

NOTE: Connection Cables

- 499T 07773: LAN Cable (Cross 1m)
- 499T 07776: USB Cable (2m)

NOTE: Precautions during installation

The downloaded data is a compressed file. Decompress the data before downloading them into the printer.

<Firmware Download>

There are two ways to download the machine Firmware - the DLD method (USB1.1/2.0) and the PJL method (Port9100: Network).

When downloading by DLD method (USB1.1/2.0), it is necessary to change to the download mode.

When downloading by PJL method (Port9100), no setting at the machine is required.

Procedure

- Select a compressed file (download data) that is compatible with the printer specifications from the URL of the TSC, and download it into the desired folder on the PC.
- Decompress the downloaded compressed file (download data).

<PJL method (Port 9100: Network)>

Procedure

- Connect the PC to the printer with the LAN cable (Cross).
- Turn the power of the PC and the printer ON. Check that the IP Address/Subnet Mask are already input so that they can communicate with each other.

NOTE: For IOT port settings, check that the SNMP and Port 9100 are enabled and the UDP of the SMP is running. (Start the CentreWare Internet Services. Select [Properties], [Securities] and [Enable Port] in this order and insert check mark at the UDP of SNMP.)

NOTE: Check that the output destination of the default printer driver at the PC becomes LPT1.

- Click to run the Firmware Version Upgrade Tool (FXDLMgr.exe).
- Select [Agree] on the Firmware Version Upgrade Tool (License Agreement).
- Select the Machine Model from the pull down menu of the Machine Model column on the selection screen for machine models and files.
- Click the downloaded file from the Firmware column on the selection screen for machine models and files, and click [Next]. Select detailed version to display each ROM version in the downloaded file.
- Select the connection method between the printer and the PC on the Communication Interface selection screen, and select [Next]. (Servicing time: Approx. 15min)

NOTE: Check that the output destination of the default printer driver at the PC becomes LPT1.

- Press the Search button on the selection screen on the Printer/MF machine to search for devices connected to this Network. The Scope of Search button is for searching in other networks.
- The devices that can be specified on the selection screen for Printer/MF machines are displayed in the Printer/MF machines column. Insert check marks into the checkboxes and select [Next].
- The Firmware update status appears on the 'Updating' screen.

After completion, the results screen appears.

- Select the [Close] button on the results screen. (Firmware upgrade complete.)

NOTE: After downloading ends, the IOT will automatically reboot.

<DLD method (USB1.1/2.0)>

Procedure

- Remove the Cable Blind Cover.
- Remove the USB Port cover for servicing.
Connect the PC to the printer with the USB cable. (Figure 1)



Figure 1 j0pr60015

- Turn the machine and the PC ON.
- Set the printer to Download Mode.
 - Turn the power of the printer ON while pressing down on the [Power Saver] button.
 - The progress bar will be displayed on the UI screen for approx. 10 seconds.
 - The UI screen will turn completely black for 7 seconds.
 - [Download Mode] is displayed on the screen and the system enters the download mode.
- In case of USB1.1 connection, cancel the opening of 'Add/Remove Hardware Wizard'.
- Click to run the Firmware Version Upgrade Tool (FXDLMgr.exe).
- Select [Agree] on the Firmware Version Upgrade Tool (License Agreement).

8. Select the Machine Model from the pull down menu of the Machine Model column on the selection screen for machine models and files.
9. Click the downloaded file from the Firmware column on the selection screen for machine models and files, and click [Next]. Select detailed version to display each ROM version in the downloaded file.
10. Select the connection method between the printer and the PC on the Communication Interface selection screen, and select [Next].
(Servicing time: Approx. 15min)
11. The devices that can be specified on the selection screen for Printer/MF machines are displayed in the Printer/MF machines column. Insert check marks into the checkboxes and select [Next].
12. The Firmware update status appears on the 'Updating' screen. After completion, the results screen appears.
13. Select the [Close] button on the results screen. (Firmware upgrade complete.)
NOTE: After downloading ends, the IOT will automatically reboot.
14. Reinstall the Cable Blind Cover and the USB Port cover for servicing.

ADJ 18.1.17 Things to Take Note when Replacing Important Information Stored Components

Purpose

After installation, any data that the customer has registered are very important. To lose or leak the data would be an unforgivable offence. To gain the trust of customers, it is essential for CE to be knowledgeable about the name of components that store these data. The CE must also have full understanding on how to handle these components when replacing them.

Procedure

This product stores important data in the following components. Perform the operation according to the following procedures.

NOTE:

Japan) Collect/discard components according to the FTO (2-027) that is common to all models.

APO/GCO) Collect/discard components according to the separately pre-determined procedures.

Table 1

	Component Name	Stored Information	Pre-replacement operation	Post-replacement operation
1	HDD	<p>Remaining data (the data left behind)</p> <ul style="list-style-type: none"> • Digital data saved in Folders (*) • Fax polling reserved document data (*) • Unsent Fax/Scan document data (*) • Unprinted Copy/Fax Receive/Print document data (*) • Data stored in the SMB folder • Font • Form • Logo/Secure Print (*) • Sample Print (*) • Delayed Print (*) • Network Scanning • Job Flow • Job log (stored in the HDD) • Debug log • Recipient data in the expanded address book • Audit log (stored in the HDD) • User information (when the device is set to store the user information in the HDD in the Network Authentication mode and when in the XSA mode) • Account ID (Network Authentication mode and XSA mode) • JBA info operation log (stored in the HDD) • Certificates (Device Certificate, Personal Certificate) <p>Deleted data (data that has been deleted but still physically remain in the HDD. Usually, this is difficult to recover.)</p> <ul style="list-style-type: none"> • Temporarily saved image data for Copy/Print/Fax output. • Temporarily saved scan image data for extraction from the client PC. • Temporarily saved inputs from the network <p>HDD spool data</p> <ul style="list-style-type: none"> • Data that is deleted after it is taken out from a Folder • Image data that is deleted after Secure Print/Sample Set/Delayed Print has been completed 	<ul style="list-style-type: none"> • Procedures before servicing <p>To restore the settings later, print the reports and back up the data by using tools. Also, check that the Documents Stored lamp on the panel is off. If the lamp is on, the stored document data (data with (*) listed to the left) are erased when the component is replaced. Ask for the customer's agreement to proceed.</p>	<ul style="list-style-type: none"> • Handling of replaced HDD <p>[Japan] Before you bring back the HDD, always notify the customer. Explain that the removed HDD will be sent to an FX Recycling Station where it will either undergo the "Overwriting Process" or the "Destruction Process" in order to prevent security problems from occurring. If the customer would like to personally confirm that the removed HDD is destroyed, destroy the HDD on the spot (charges applies).</p> <p>[APO/GCO] Collect/discard components according to the separately pre-determined procedures.</p> <ul style="list-style-type: none"> • Procedures after servicing <p>Restore data using the tools. Restore all settings by using the reports, etc..</p>

Table 1

	Component Name	Stored Information	Pre-replacement operation	Post-replacement operation
2	NVRAM on the Controller Board	User-settable parameters (IP Address, etc.) <ul style="list-style-type: none"> • Folder data • Speed dial data • Group dial data • Speed dial classification data • Comments (or FAX Service) • Job memory • Job Log • Error log (Fault History, Counters) • DV Log/Auditron Settings/PV Billing Information/JBA info operation log 	<ul style="list-style-type: none"> • Procedures before servicing To restore the settings later, print the reports and back up the data by using tools. • Delete Data Operation If the NVM hardware is operating normally, perform special boot number 3 (turn ON the power while holding down the <3> + <Stop> + <Energy Saver> buttons) to delete the data. • Total deletion Execute [Delete All Data] in the KO mode. Other than the NVM, HDD/Fax, etc. can also be initialized this way. <p style="text-align: center;">WARNING</p> <p>To prevent the lithium battery from short circuiting, do not remove the cover of the NVM PWB.</p> <p>Reference: The NVM PWB and its cover is treated as one spare parts. (PL 18.2 Item 6)</p> <p style="text-align: center;">CAUTION</p> <p><i>Do not remove the lithium battery of the NVM PWB from its socket (to prevent the Data from getting erased).</i></p>	<ul style="list-style-type: none"> • Handling of replaced PWB [Japan] Always initialize the PWB before bringing it back. Inform the customer that even if it cannot be initialized at the customer's machine, it will be done in the FX Recycling Station, so there will be no security problems. [APO/GCO] Collect/discard components according to the separately pre-determined procedures. • Procedures after servicing Restore data using the tools. Restore all settings by using the reports, etc..

ADJ 18.2.1 Firmware Version Upgrade (Firmware Update Service System)

Purpose

The Firmware Update Service is an enhancement to the existing Device UI Download feature, which provides a Firmware Version Upgrade function that utilizes the EP-BB.

This function enables the Device to obtain the appropriate firmware from the Firmware Download Center via the Internet and store it in the Device's HDD. After that, it will automatically transition to the Download Mode and perform the upgrade.

Use Conditions

1. The [Firmware Update Service User Agreement] of the Firmware Update Service to accept the usage conditions of this service is checked.
2. The Device has EP-BB temporarily installed*1 or completely installed*1.
3. At the EP-BB Service Parameters of the Device, the software refresh button (KO/CE) display flag is set to "Display".
4. If the EP communication aggregation server had been introduced, make sure that the EP communication aggregation server is running Ver 1.1 or later.
5. For Internet communication, the IP Address for communication is not restricted by IP filters, etc.
6. For Internet communication, HTTP communication using Port 80 is possible.

*1: The EP installation status come in the following types:

Not installed - the state where EP-BB installation procedure has not been performed.

Temporarily installed - the state where EP-BB installation procedure has completed, but the contract agreement is not activated yet.

(In this state, periodic communication is performed, but the various EP-BB features such as Alerts and notification of consumables are not operating)

Completely installed - The final state where the contract agreement has been activated and all EP-BB features are operating.

The Difference of Performing Upgrade in KO and CE Modes

The upgrade operation using the Firmware Update Service is performed differently when the upgrade is performed via the KO (System Administrator) mode and the CE mode as follows.

KO Mode

- During the upgrade, the required change in NVM settings (rewriting) is performed automatically.
- The upgrade is possible as long as the combination of firmwares that are installed in the Device is the same as the combination that is guaranteed by the Firmware Update Service
- The upgrade cannot be performed if the EPA-IF of the accessories that are connected to the Device is earlier than V2.
- Other than the above, the upgrade may also be not possible due to the combination of options, etc.

*If the upgrade cannot be performed, an error code from among those in Table 1 will be displayed.

CE Mode

- During the upgrade, the required change in NVM settings (rewriting) is not performed automatically.
- The upgrade is still possible even if the combination of firmwares that are installed in the Device is not the same as the combination that is guaranteed by the Firmware Update Service. *1
- The upgrade is possible regardless of the connected accessories and the combination of options. *1

*1: The upgrade is at the same level as if it is performed from the PSW. Therefore, the changing of NVM settings (rewriting) must be performed after the upgrade.

Procedure in KO (System Administrator) Mode

1. Press <Log In / Out>.
2. Enter the System Administrator ID [11111] and select [Enter].
3. Select [Tools].
4. Select the [System Settings] tab > [Common Service Settings] > [Maintenance].
5. Select [Software Upgrade].
* If the [Software Upgrade] button is not displayed, check the EP Service Parameters in Table 2.
6. Select [Start Upgrade]. If an Error occurs upon selecting this, check the contents of the Error.
7. Select [Yes]. Do not turn OFF the power, open the Front cover, etc. until the default screen is displayed.

8. The download into the built-in HDD will start. Wait until the progress bar has reached 100%.



j0ki40002

Figure 1 j0ki40002

9. The machine will reboot automatically and the upgrade will start from the HDD. Wait until the numbers at the left and right of the screen become equal. (The maximum required time is approx. 25min)



j0ki40003

Figure 2 j0ki40003

10. When the upgrade has completed, the machine will reboot automatically. When the [Services Home] screen is displayed, the upgrade is complete.
*If the NVM Settings Change (Rewriting) is set, the NVM settings will be changed after the reboot and then the machine will reboot once again after completing this.

Procedure in CE Mode

1. Enter the CE Mode.
2. Select [Tools].
3. Select the [System Settings] tab > [Common Service Settings] > [Maintenance].
4. Select [Software Upgrade].
* If the [Software Upgrade] button is not displayed, check the EP Service Parameters in Table 2.
5. Select [Start Upgrade]. After selecting this, the version of the firmware to be downloaded will be displayed. Check the target version.
6. Select [Yes]. Do not turn OFF the power, open the Front cover, etc. until the default screen is displayed.
7. The download into the built-in HDD will start. Wait until the progress bar has reached 100%.



j0ki40002

Figure 3 j0ki40002

8. The machine will reboot automatically and the upgrade will start from the HDD.
Wait until the numbers at the left and right of the screen become equal. (The maximum required time is approx. 25min)



j0ki40003

Figure 4 j0ki40003

9. When the upgrade has completed, the machine will reboot automatically and display the [Services Home] screen.
10. If required, enter the CE mode again to perform change the NVM settings (rewriting).

Main Error Codes

Table 1

C-L Number	Cause	Corrective Procedure
016-529	There was no response within the specified time (45 s) when connecting to the Software Upgrade Server	1. Wait for a while, then perform the same operation again 2. Escalation
021-509	Connecting via an unsupported EP communication aggregation server	1. Upgrade the EP communication aggregation server to Ver 1.1 or later.
021-529	The firmware is already the newest	
021-530	An internal error has occurred in the Software Upgrade Server	1. Wait for a while, then perform the same operation again 2. Escalation
021-531	The Software Upgrade Server is congested with high traffic	1. Wait for a while, then perform the same operation again 2. Escalation
021-532	The combination of firmware is not guaranteed	1. Perform the upgrade via CE mode
021-533	The firmware you're trying to upgrade is not set as updatable in KO	1. Perform the upgrade via CE mode
021-534	Unsupported sub module is detected	1. Perform the upgrade via CE mode
021-535	Unsupported accessory is detected	1. Perform the upgrade via CE mode

EP Service Parameter Settings

* The [Software Upgrade] button is set to be displayed/not displayed by the EP Service Parameters.

Table 2

Settings	Chain-Link	Settings
Software Upgrade (KO) Flag	920-053	0: Disabled (not displayed)*1 1: Enabled (displayed)

Table 2

Settings	Chain-Link	Settings
Software Upgrade (CE) Flag	920-054	0: Disabled (not displayed)*1 1: Enabled (displayed)

*1: Default setting

CAUTION

Before changing any settings, get the customer to check the [Firmware Update Service User Agreement] to accept the usage conditions of this service.

ADJ 18.2.2 Backup/Restore (Recovery)/Reproduce

Purpose

Backup/Restore should be performed in the following cases.

Table 1

No.	Application	Purpose
1	When the Firmware has been upgraded	Restores the Firmware to the state before the upgrade in cases where you want to revert the Firmware to its previous version for some reason (such as the operation becoming unstable).*
2	When the HDD or NVM PWB is malfunctioning	Restores the settings to the state when it was backed up. This reduces the operation time that is required for environmental recovery.
3	When identifying the cause of a difficult problem	Reduces the operation time that is required for environmental recovery by temporarily saving the current settings before initializing the HDD/NVM to identify the cause of a failure.

The backup can be stored in the machine built-in HDD or in a USB memory (service tool).

Preparation

- Before performing backup into a USB memory, create a folder named "backup" in the USB memory.
- Make sure you print the Configuration Report before performing the operation.

NOTE: As the procedure differs by case as follows, make sure you are performing the required procedure.

Table 2

No.	Backup/Restore Cases	Reference
1	Backup to HDD	Go to Procedure A
2	Restore from HDD	Go to Procedure B
3	Restore from HDD using special booting (such as when the UI screen is not displayed)	Go to Procedure C
4	Backup to USB memory	Go to Procedure D
5	Restore from USB memory	Go to Procedure E
6	Restore from USB memory using special booting (such as when the UI screen is not displayed)	Go to Procedure F
7	Cloning (in customer mode)	Go to Procedure G

Backup/Restore to HDD

Procedure A (Backup to HDD)

1. Open the [Job Status] screen and check that there are no jobs being executed or in the queue.
2. Disconnect the Network Cable and the Fax line.
3. Enter the UI Diag and select [System Settings] tab -> [Common Service Settings] -> [Maintenance / Diagnostics] -> [Back Up Files / Restore Backed Up Files] on the second page.
4. Select [Back Up] -> [Storage Location:] = [Hard Disk], and select [Start].
5. When the confirmation message: [Are you sure you want to make a copy of the files and save them in the hard disk?] is displayed, select [Yes]. The backup starts and the message: [Backing up files to the hard disk...] is displayed.
6. When the backup has completed successfully, the message: [File backup operation has successfully completed.] is displayed. Select [Confirm]. Return to the [Back Up Files / Restore Backed Up Files] menu screen. The backup will take approx. 2 to 5 minutes.
7. Select [Close], [Exit (Clear Log)], [Yes] in order and the Device will automatically reboot.
This completes the backup operation.
Upgrade the Firmware or perform other operations.

After the operation, go to the following to restore the backup data as needed.

If the UI screen does not start up after the operation, restore by referring to the [Restore from HDD using special booting] that is described after the following procedure.

Procedure B (Restore from HDD)

1. Open the [Job Status] screen and check that there are no jobs being executed or in the queue.
2. Disconnect the Network Cable and the Fax line.
3. Enter the UI Diag and select [System Settings] tab -> [Common Service Settings] -> [Maintenance / Diagnostics] -> [Back Up Files / Restore Backed Up Files] on the second page.
4. Select [Restore Backed Up Files] -> [File Storage Location] = [Hard Disk], and select [Start].
5. When the confirmation message: "Are you sure you want to restore the backed up files from the hard disk?" is displayed, select [Yes] to start the restoration. At this time, the following message will be displayed.

Restoring backed up files from the hard disk...

The machine will reboot automatically after the files have been restored.

The software will be upgraded after the reboot.

Do not switch off the power until the default screen is displayed.
6. When the restore has completed successfully, the machine will reboot and then enter the Download Mode. The screen at this time will display [Download Mode] just like when downloading the Firmware via Port9100/USB connection.
7. When the process has completed successfully, the machine reboots automatically.

Procedure C (Restore from HDD using special booting)

1. Turn OFF the Device.
2. Turn ON the machine while pressing the <Energy Saver>, <Stop>, and <5> buttons.
3. The restore process will then run automatically, [HDD Initialization, Restore HDD Settings, Restore NVM Setting Data] are performed, and the machine reboots automatically once the process is completed.
4. Next, the Firmware download starts and the machine reboots automatically after it has completed.
5. Verify that the Device has been restored to its original state and that copying is possible.

Backup/Restore to USB Memory

Backup/Restore to USB Memory is used in the following cases.

- Before replacing the HDD.
- If the HDD replacement is still a few days away, backup the data and ask the customer to save it in their PC as a safety precaution. (At this time, explain to the customer why the data is being backed up and that the CE is not allowed to take back the customer information.)

Procedure D (Backup to USB memory)

1. Turn OFF the Device, connect the USB Memory to the Fax Board, and then turn ON the Device again.

NOTE: As the Fax Cable is disconnected, the message [A fault or an error has occurred. See User Guide for information on fault code 016-214.] will be displayed. (Reference message)
2. Check that there are no jobs being executed or in the queue.
3. Disconnect the Network Cable and the Fax line.
4. Enter the UI Diag and select [System Settings] tab -> [Common Service Settings] -> [Maintenance / Diagnostics] -> [Back Up Files / Restore Backed Up Files] on the second page.
5. Select [Back Up Files] -> [File Storage Location] = [USB Memory], and select [Start].
6. When the confirmation message: [Are you sure you want to make a copy of the files and save them in the USB memory?] is displayed, select [Yes]. The backup starts and the message: [Backing up files to the USB memory...] is displayed. The backup will take approx. 5 to 7 minutes.
7. When the backup has completed successfully, the message: [File backup operation has successfully completed. Switch off the machine power and wait until this screen disappears. Then pull out the USB memory.] is displayed. Turn OFF the Device.
8. Disconnect the USB Memory and connect the Fax Cable.
9. If necessary, copy the whole "backup" directory into the customer's PC, and request that they keep it safe.

After that, delete the backup data that is stored in the USB Memory.

If the UI screen does not start up after the operation, restore by referring to [Restore from USB Memory using special booting] that is described after the following procedure.

Procedure E (Restore from USB Memory)

1. Turn OFF the Device, connect the USB Memory to the Fax Board, and then turn ON the Device.

2. Open the [Job Status] screen and check that there are no jobs being executed or in the queue.
3. Disconnect the Network Cable and the Fax line.
4. Enter the UI Diag and select [System Settings] tab -> [Common Service Settings] -> [Maintenance / Diagnostics] -> [Back Up Files / Restore Backed Up Files] on the second page.
5. Select [Restore Backed Up Files] -> [File Storage Location] = [USB Memory], and select [Start].
6. When the confirmation message: [Are you sure you want to restore the backed up files from the USB memory?] is displayed, select [Yes]. The restore starts and the following message is displayed.

Restoring backed up files from the USB memory...

The machine will reboot automatically after the files have been restored.

The software will be upgraded after the reboot.

Do not switch off the power until the default screen is displayed.
7. The restore process will complete in approx 4 minutes, after which the machine will automatically reboot and enter the Download Mode. The screen at this time will display [Download Mode] just like when downloading the Firmware via Port9100/USB connection.
8. After the series of processes have completed and it has rebooted normally, turn OFF the Device.
9. Disconnect the USB Memory, turn ON the Device, and check that copying is possible.
10. When upgrading the Firmware, perform Backup to USB Memory again after the upgrade has completed.
11. Turn OFF the Device, remove the USB Memory, and then connect the Fax Cable.

Procedure F (Restore from USB Memory using special booting)

1. Turn OFF the Device and connect the USB Memory to the Fax Board.
2. Turn ON the Device while pressing the <Energy Saver>, <Stop>, and <7> buttons.
3. The restore process will then run automatically, [HDD Initialization, Restore HDD Settings, Restore NVM Setting Data] are performed, and the machine reboots automatically once the process is completed.
4. Next, the Firmware download starts and the machine reboots automatically after it has completed.

Verify that the Device has been restored to its original state and that copying is possible.

Procedure G (Cloning)

Purpose

Although this is not a CE function, this can reduce the environmental settings workload when performing a mass-installation service. It is also a useful backup/restore function that a customer can use.

Only items that can be set with CWIS can be cloned.

1. Designate one Device as the master machine and perform settings as normal via [Control Panel/CWIS] etc. Check the settings under Network Settings -> Enable Port. (This section cannot be copied)
2. Perform network settings for the target Device to clone according to the [Installation Order]. (IP Address, Subnet Mask, and Gateway Address)
3. Match the Network Settings -> Enable Port settings of the target Device to clone to the settings at the master machine. If there are any differences, the related settings will not be cloned.
4. From the client, connect to the master device via CWIS.
5. Select [Properties] tab -> General Setup -> Cloning. (Figure 1)

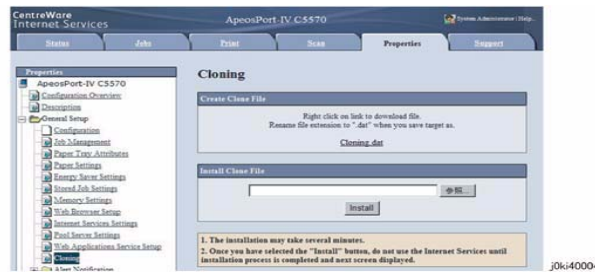


Figure 1 j0ki40004

6. Right click on [Cloning.dat] under [Cloning Instructions] and download it to the PC.
7. Access the target Device to clone and select [Properties] tab -> General Setup -> Cloning.
8. Click [Browse] in the [Install Clone File], select the [Cloning.dat] that was imported in step 5, and then click [Install].
9. Wait while the setting information is being copied into the target Device to clone.
10. Verify that the setting information has been copied in the target Device to clone.

ADJ 18.2.3 [DMP-x] Special Booting

Overview

The Special Booting is a method to startup the machine in other than its usual mode by turning ON the power while pressing and holding down the keys on the Panel.

For special booting that are used during Download Diag/Long Boot Diag and Backup/Restore Settings, refer to their respective operating procedures.

Procedure

1. Perform the Special Booting as follows.
 - (1) Turn OFF both the Sub Power (the switch at the top) and the Main Power (the switch in the Front Panel).
 - (2) Turn ON the Sub Power. (In this state, the machine will not startup yet as the Main Power is still OFF.)
 - (3) Perform Special Booting (Special key + Sub Power ON) and release the key when [1/6] is displayed on the Panel. (If the Special Booting was successful, BOOT MODE will be displayed at the top left of [2/6] screen))
2. Release the keys when [1/6] is displayed on the Panel.



Figure 1 j0ki61020

3. If the start-up was successful, BOOT MODE will be displayed* at the top left of [2/6] screen.
 - * This will not be displayed when performing the following Special Bootings.
 - Download Diag Start Up
 - Download Mode Start Up

- UI Align Mode



j0ki61021

Figure 2 j0ki61021

Table 1

Operation	Special Key	Display during booting	How to Use
Log Data Initialization	Energy Saver + Stop + 1	-- BOOT MODE --JOB LOG CLEAR MODE	Used when the log data has an error and a Fail such as 116-331 has occurred, or when the log data must be cleared for version upgrade that involves a large change in versions.

Table 1

Operation	Special Key	Display during booting	How to Use
Complete NVM Initialization (return it to the default factory shipment state)	Energy Saver + Stop + +2	-- BOOT MODE -- FACTORY INIT MODE	Used when recovery is not achieved with Startup by Force NVM Initialization (Energy Saver + Stop + 3). This method can also be used to resolve the problem - where the internal clock becomes unstable, therefore causing all the functions that use the clock to become unstable - when the NVM PWB is initialized with the backup battery (lithium battery) detached. When an initialization is performed with this method, billing mismatch etc. occurs as when the NVM PWB is replaced.
Initialize NVM	Energy Saver + Stop + +3	-- BOOT MODE -- NVRAM INIT MODE	Initializes the NVM of the configuration range (Printer Settings etc) inside the Controller by force and starts up.
HDD Forced Formatting	Energy Saver + Stop + +4	-- BOOT MODE -- HDD FORMAT MODE	Formats the HDD by force. This operation resets the HDD to partitions at factory settings.
Restore HDD Backed Up File	Energy Saver + Stop + +5	-- BOOT MODE -- ANALYSIS 2 MODE	Restores the NVM/HDD User Data within the Controller that was backed up in the HDD and reboot.

Table 1

Operation	Special Key	Display during booting	How to Use
Forced Spool Area (HDD) Initialization (for CE)	Energy Saver + Stop + +6	-- BOOT MODE -- HDD INITIALIZE MODE	If an error, such as 116-324, has occurred when printing was set to be performed with the data spooled to the Hard Disk and the machine cannot be started by turning it OFF and ON, this initializes the Hard Disk area in which the print data is stored before starting the machine.
Restore USB Backed Up File	Energy Saver + Stop + +7	-- BOOT MODE -- ANALYSIS 1 MODE	Restores the NVM/HDD User Data within the Controller that was backed up in the USB Memory and reboot.
Download Diag Start Up	Energy Saver + Stop + +9	DIAGNOSIS	Downloads the diagnostic program that is stored in the USB Memory or Firmware Set and performs detailed check by using the Long Boot Diag diagnostic items.
Forced Spool Area (HDD) Initialization (for User)	Stop + Start	-- BOOT MODE -- HDD INITIALIZE MODE	This special boot mode has been added so that a customer can also perform the "Startup by Forced Spool Area (HDD) Initialization" (Energy Saver + Stop + 6) like a CE.
Long Boot Diag Start Up	Energy Saver + Start	-- BOOT MODE -- LONGDIAG MODE	Performs a more detailed check than the usual Device diagnostic items at the start up of the machine.

Table 1

Operation	Special Key	Display during booting	How to Use
Forced Polling Mode Start Up	Energy Saver + Start + 1	-- BOOT MODE -- FORCED POLLING MODE	In cases where Fax documents cannot be printed, sets the Chain-Link Code of Forced Polling and starts up.
Download Mode Start Up	Energy Saver	Download Mode	Starts up in Firmware Download Mode.
Re-download Firmware from HDD	After Energy Saver is activated, press and hold down Start (approx. 10sec)	No display	After starting up in Download Mode, press and hold Start (approx. 10sec) to use the Firmware that is stored in the HDD to re-download the Firmware.
UI Align Mode	0 + 1 + 3	No display	To align the position of the buttons on the display so that the user can select the contents on the display using the Touch Panel.

ADJ 18.2.4 Settings Recovery Tool (Freeware)

Procedure

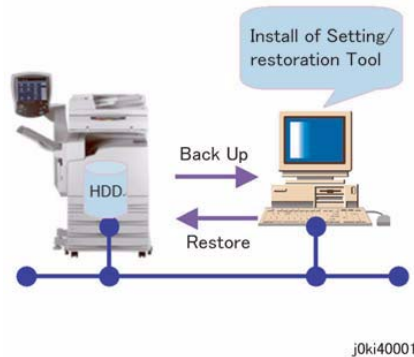


Figure 1 j0ki40001

1. Overview

The Settings Recovery Tool is a freeware for backing up the data that have been set in the multifunction device into a PC. This way, you can restore the backed up settings after a hard disk replacement.

CAUTION

The restoration of backed up settings can be done by changing the system data (Chain-Link) of the Main Unit after the CE has replaced the hard disk.

2. Operation Conditions

PC

- Microsoft(R) Windows(R) 2000 Professional Service Pack 4 English Version
- Microsoft(R) Windows(R) XP Professional Service Pack 3 English Version
- Microsoft(R) Windows Vista(R) Business Service Pack 1 English Version

Operate using a computer with Intel x86 processor that is running the above OS.

Software

- Settings Recovery Tool Ver. 1.1.3 or later

3. Backed Up Data

The following are the data that can be backed up by using the Settings Recovery Tool.

- Attributes data of Folders (Folder Name, check Folder Passcode, Delete Files After Retrieval, Delete Expired Files, Link Job Flow Sheet to Folder)
- Speed dial data (Address Book)
- Destination data of Web Applications
- Job Flow
- Stored Programming
- Job Log (up to 15,000 items)
- Audit log
- Device authentication data (Device, Personal Certificate, etc.)
- Various items in the Configuration Report

CAUTION

The document storage area is not backed up.

4. Restoration Procedure

- (1) Replace the broken hard disk.
- (2) Change the Chain-Link Settings (enable restore settings) as follows.
Chain-Link 700-529: 0 -> 1 (this will automatically revert to 0 after the restoration)
- (3) Request for the customer to restore the backed up data.
(Use the Settings Recovery Tool to restore the backed up data)
- (4) As the restoration is in progress, the Device status will transition as follows:
 - i. The Panel displays [The machine is currently connected to an external equipment...] as the restoration data is being received.
 - ii. After receiving the restoration data, it will automatically reboot.
 - iii. The restoration will be performed at startup screen "3/6" and when completed, it will automatically reboot again.
- (5) Check that the usual "Services Home" is displayed on the Panel and end the restoration.

Effect on Service Software: as the restored data is older data, the Service Software that uses/refers to the operationally changed data might exhibit the following behaviours.

Table 1

Software	Details of Effect
ApeosWare Accounting Service History	All restored job files are re-collected. (Job record is doubled)
ApeosWare Accounting Service Accounting	After the restoration, new jobs will not trigger the collection process as long as the file number at the Device has not become larger than the job log file number that had been collected by the Serverless Accounting Service.
ApeosWare Accounting Service Output Restriction	When the restored data causes the Main Unit (network accounting) user data to differ from the current data and if user restriction is applied without going through the AWAS output restriction print service, there might be cases of restricted users being able to perform unauthorized processes.

(6) Things to Note for Settings Recovery Tool

- Restoring the settings data causes the various logs, addresses, etc. (target backup data) to be reverted back to what they were at the point of backup (all data recorded after the backup will be gone).
Other data that will be lost upon restoring the settings data are as follows:
All document data stored in the machine (Folder documents, Secure Print documents, Fax sending/received documents, etc.)
- The backed up settings data can only be restored back to the machine that it originates from and the software version has to be the same. Whenever the software version has changed, an option has been added, etc., perform the backup again.
- If the PC that is to store the backed up files runs a firewall, it may cause communication error. Add this software to the list of safe programs at the firewall settings.

- If this software was installed in a folder that requires a System Administrator Privilege (%programfile% etc.) and a user without System Administrator Privilege attempts to run it, the software may fail to run. In such cases, reinstall this software in a folder that does not require System Administrator Privilege.
- Never turn OFF the machine while it is running back up or restoring settings.
- If the machine is being used, it is not possible to run back up or restore settings.
- For Microsoft(R) Windows Vista(R) and later, when the software is installed and run from %programfiles% or %systemroot% folder, the operation log, settings file, and etc. that are generated during the process might be created in virtualized folders and are not displayed. Also, even if the file storage destination had been specified during the back up, there might be cases where the backed up files are not displayed. When they are not displayed, click the [Compatibility Files] button displayed at the explorer bar. The files in virtualized folders will be displayed.
- Depending on the size of the data, the back up or restore settings process may take more than 10 minutes.

ADJ 18.3.1 DC751 IOT CIS Check Cycle

Purpose

Performs checking for the edge detection function. This cycles to check if the detection system is operating normally.

Check

The MC will notify the current values (NVM values) for the following parameters during a screen transition instructed by an UI operation and the UI will display these current values.

The MC uses the UI operation instruction to perform edge detection and notify the Value and Result/Error Type (if an error has occurred). The UI will then display the execution result (Value, Result/Error Type).

Table 1

Item (Parameter Name)	NVM/ Var Name	Range	Display Unit	Current Value Display	Display value when Result is OK	Display value when Result is NG
Final Result of Check Cycle	-	0 = OK, 1 = NG	-	-	○	○
Paper Edge Position (Average Value)	AVE_Edge	0 to 65535	0.01 mm	-	○	-
Paper Edge Position	Line_Edge	0 to 65535	0.01 mm	-	○	○
Detected Edge Value	EDGE_DATA_X	0 to 65535	-	-	○	○
Detected Edge Value (After Adjustment)	EDGE	0 to 65535	-	-	○	○
Detected Edge Threshold Value	Th_DA TA_X	0 to 65535	-	-	○	○
Fault Code when Result is NG	Fault Code	-	-	-	-	○

Adjustment

1. Enter Diag Mode, select [Maintenance / Diagnostics] -> [MAX Setup], and then [IOT CIS Check Cycle].
2. Select the Paper Size.

NOTE: If the size is not available, select a size with the closest width.

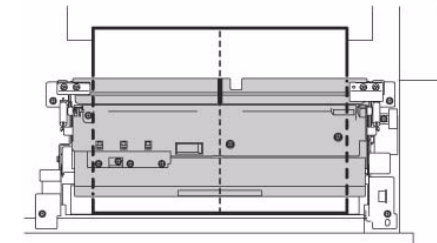
3. Fold a sheet of paper of the size that was selected in Step 2 in half to make a crease at the middle of the paper.
4. Open the Front Door.
5. Pull out the Drawer.
6. Load the paper in the Regi section.

NOTE: Although a Jam is displayed, select [Close] to clear the display and continue.

NOTE: Align the center of the paper to the center of the Registration Unit and load the paper such that the paper edge goes under the Edge Scan Sensor.

(1) Align the crease of the paper to the mark at the center of the Plate.

(2) Align the paper tail edge to the chassis end of the Drawer.



j0tk41312

Figure 1 j0tk41312

7. Push in the Drawer and close the Front Door.
8. Press <Start>.
9. When the [IOT CIS Check Cycle] window opens, select [Yes] to start the check cycle.
10. The measured value and results are displayed in the Final Result of Check Cycle screen.

<OK>

The measured values of the various items are within the normal range.

<NG>

Perform settings or repair according to the Error Code of the failure and perform the IOT CIS Check Cycle adjustment again.

ADJ 18.3.2 DC750 IOT CIS Setup Cycle

Purpose

Performs the optimization of the parameter value for the CIS Edge Detection.

Performs the optimization for the LED Power and saves the parameter values in the NVM during the MC shipment, the MC installation, and the replacement of CIS or Regi Assy.

Check

To isolate and investigate the cause of the error, display the setting value, the measured value, and the failure.

Table 1

Item (Parameter Name)	NVM/Var Name	Range	Display Unit	Current Value Display	Display value when Result is OK	Display value when Result is OK/NG	Display value when Result is NG/NG
Final Result of Power Adjustment	-	0 = OK, 1 = NG	-	-	0	0	0
Final Shading Coefficient Computation	-	0 = OK, 1 = NG	-	-	0	0	0
Power Adjustment Attempts	LED_PWR_ACT_NUM	0 to 65535	1 time	0	0	0	0
LED Powered Current Value	LED_Current	0 to 255	0.4 mA	0	0	0	0

Table 1

Item (Parameter Name)	NVM/Var Name	Range	Display Unit	Current Value Display	Display value when Result is OK	Display value when Result is OK/NG	Display value when Result is NG/NG
Standard Black Average Value	AVE [Vod (n)]	0 to 255	-	-	0	0	0
Standard White Average Value	AVE [Vow_Max (n)]	0 to 255	-	-	0	0	0
Maximum Dynamic Range	VR_Max	0 to 255	0.01 V	-	0	0	-
Fault Code when Result is NG	Fault Code	-	-	-	-	0	0

NOTE: When replacing the CIS or Regi Assy, make sure that you return the NVM [742-466] (Power Adjustment Attempts) to '0' beforehand.

NOTE: For details on the procedure, refer to 6.4.2.28 in Chapter 6.

Adjustment

1. Enter the Diag Mode and perform DC330 Output Component: 077-031 to release the Regi Roll (usual state: released).
2. Select [Maintenance / Diagnostics] -> [MAX Setup], and then [IOT CIS Setup Cycle].
3. Open the Front Door.
4. Pull out the Drawer.
5. Load the paper in the Regi section.

NOTE: Although a Jam is displayed, select [Close] to clear the display and continue.

NOTE: When loading the paper, load the A4 blank paper such that it covers the whole scan surface under the Edge Scan Sensor in the Registration Unit.

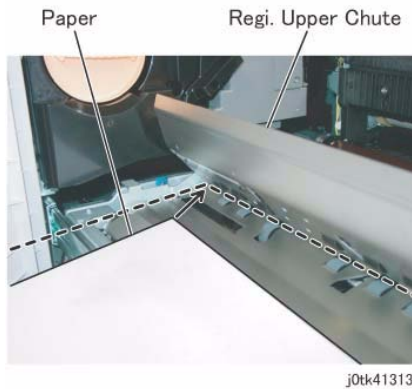


Figure 1 j0tk41313

6. Enter the Diag Mode and perform DC330 Output Component: 077-032 to nip the Regi Roll.
7. Press <Start>.
8. When the [IOT CIS Setup Cycle] window opens, select [Yes] to start the adjustment.
9. The measured value and results are displayed in the Final Result of Setup Cycle screen.
<OK>
The measured values of the various items are within the normal range.
<NG>
Perform settings or repair according to the Error Code of the failure and perform the IOT CIS Setup Cycle adjustment again.
10. After the setup has completed, perform DC330: 077-031 to release the Regi Roll.

ADJ 39.39.1 Left/Right Tray Arm Installation Position

Parts List on PL 39.39 , PL 39.40

Purpose

To make the Stacker Tray evenly horizontal.

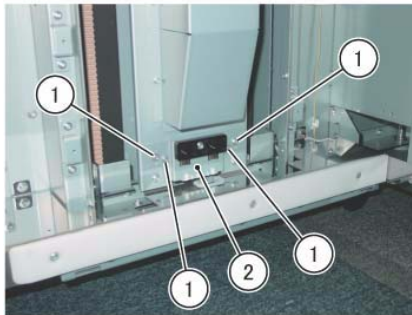
Adjustment

WARNING

Make sure the copy/print jobs are complete. Check that the "Online" and "Job in Memory" lamps are OFF and turn OFF the power.

After turning OFF the power of the machine, turn OFF the breaker switch and unplug the power plug from the outlet.

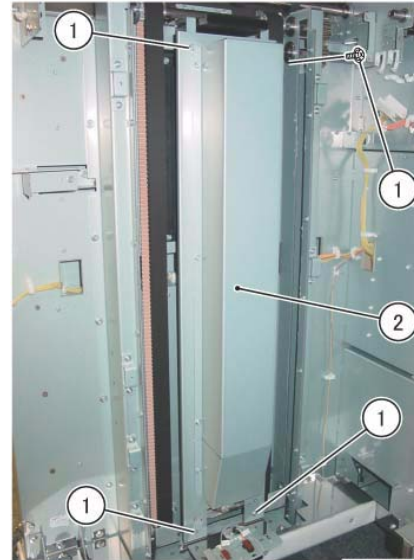
1. Remove the Dolly and the Stacker Tray.
2. Remove the screw that secure the Stack No Paper Sensor. (Figure 1)
 - (1) Remove the screw (x2).
 - (2) Move the Stack No Paper Sensor.



j0sa49952

Figure 1 j0sa49952

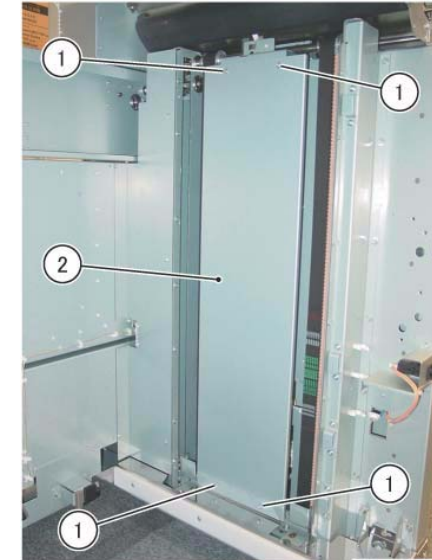
3. Remove the Stacker Left Center Cover. (Figure 2)
 - (1) Remove the screw (x4).
 - (2) Remove the Stacker Left Center Cover.



j0sa43998

Figure 2 j0sa43998

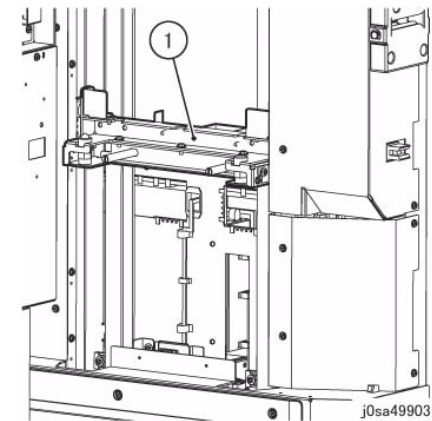
4. Remove the Stacker Right Center Cover. (Figure 3)
 - (1) Remove the screw (x4).
 - (2) Remove the Stacker Right Center Cover.



j0sa43999

Figure 3 j0sa43999

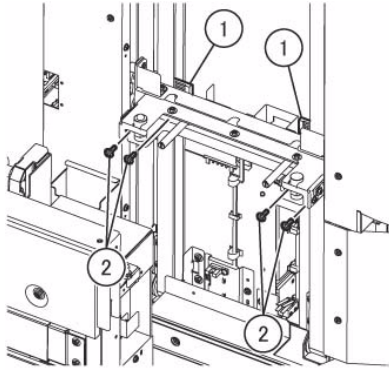
5. Remove the Jig (x2) that are stored at the rear of the HCS. (PL 39.37)
6. Install the Right Tray Arm. (Figure 4)
 - (1) Attach the Right Tray Arm to the Stacker Frame.
 - (2) Insert the Jig (x2) into the hole of the Right Tray Arm and secure the Jig at the position of the installation hole.



j0sa49903

Figure 4 j0sa49903

7. Secure the Right Tray Arm to the Belt. (Figure 5)
 - (1) Affix the Belt Clamp (x2) to the Belt (x2).
 - (2) Secure the Belt Clamp (x2) by using the screw (x4).



j0sa49905

Figure 5 j0sa49905

8. Similarly, secure the Left Tray Arm.
9. Remove the Jig (x2).

ADJ 54.1.1 DADF Lead Skew Adjustment

Purpose

To correct the feeding of the original by adjusting the position of the DADF. (DADF Lead-Skew, Perpendicularity)

To adjust both the CVT and the Color CIS for 2 Sided Simultaneous Scan.

NOTE: Perform the Color CIS skew adjustment after the CVT skew adjustment.

Check

- Place Test Chart 499T 00247 (A3) on the DADF with the scan side face up.
- Make copies with the following conditions:
CVT-Side 1 (1 Sided):
A3 SEF
100%
1->1 Sided
3 sheets
CIS-Side 2 (2 Sided Simultaneous Scan: Side 2 of 2 Sided):
A3 SEF
100%
2->2 Sided
3 sheets
- Check that the difference in the distance (A and B) between the side edges in the 3rd copy is within 0 +/-0.5 mm. (Figure 1)

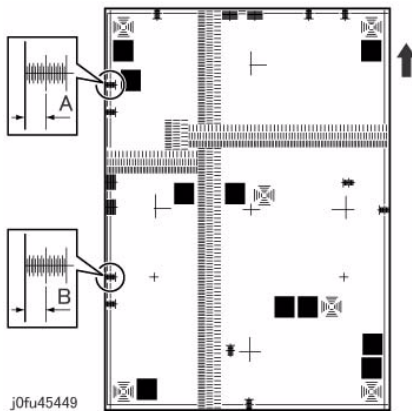


Figure 1 j0fu45449

Adjustment

CVT-Side 1 (1 Sided):

- Open the DADF.
- Adjust the position of the DADF by rotating it in direction A or B. (Figure 2)
 - Loosen the screw (x2).
 - Move the DADF in direction A or B.
 - Tighten the screw (x2).

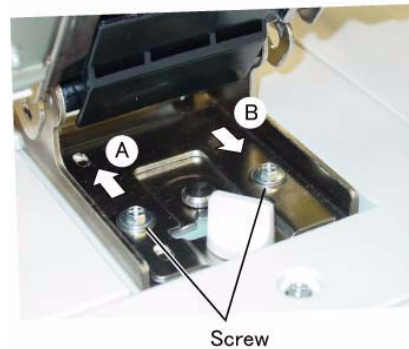


Figure 2 j0fu45443

CIS-Side 2 (2 Sided Simultaneous Scan: Side 2 of 2 Sided):

- Remove the DADF Front Cover. (PL 54.2)
- Remove the DADF Rear Cover. (PL 54.2)
- Adjust the installation position of the CIS. (Figure 3)
 - Loosen the screw (x2) that secure the CIS.
 - Move the CIS in direction A or B.
 - Tighten the screw (x2).

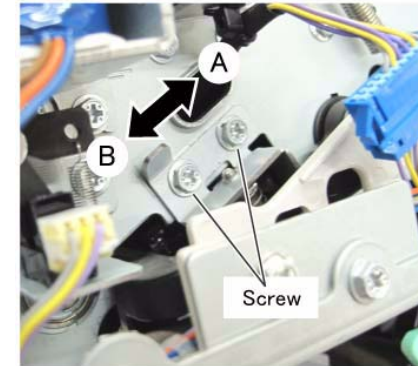
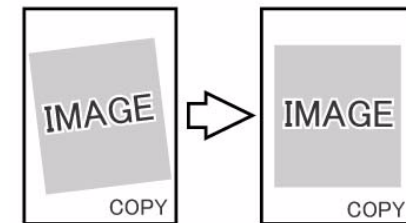


Figure 3 j0dd45437

The DADF or CIS moved in direction A. (Figure 4)



j0ku42043

Figure 4 j0ku42043

The DADF or CIS moved in direction B. (Figure 5)

ADJ 54.1.2 DADF Side Edge Registration

Purpose

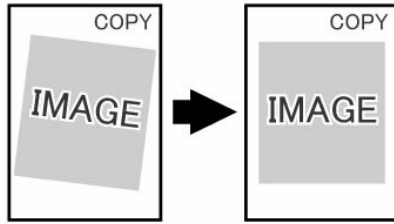
To set the DADF Scan Position (original scan position) Side Edge (Fast Scan Direction).

NOTE: The following adjustments must have already been completed.

- DC126 System Registration Adjustment (ADJ 18.1.1)
- IIT Lead Edge/Side Registration Adjustment (ADJ 1.1.2) (ADJ 1.1.3)
- DADF Height Adjustment (ADJ 54.1.4)
- DADF Lead Skew Adjustment (ADJ 54.1.1)

Check

1. Place Test Chart 499T 00247 (A3) on the DADF with the scan side face up.
2. Make copies with the following conditions:
CVT-Side 1 (1 Sided):
A3 SEF
100%
1->1 Sided
5 sheets
CIS-Side 2 (2 Sided Simultaneous Scan: Side 2 of 2 Sided):
A3 SEF
100%
2->2 Sided
5 sheets
3. Place the Test Chart on the third copy and measure the distance between the central lines of the Test Chart and the copy (part A in the figure). (Figure 1)



j0ku42044

Figure 5 j0ku42044

4. After adjustment, perform DADF Side Regi (ADJ 54.1.2) and DADF Lead Regi. (ADJ 54.1.3).

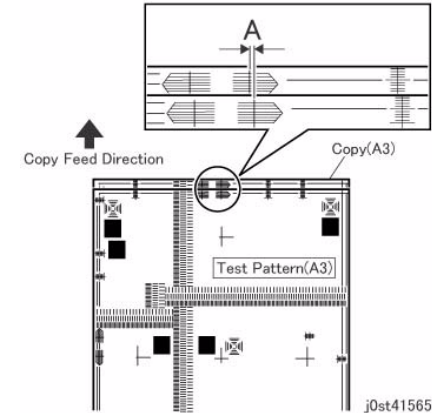


Figure 1 j0st41565

4. Check that the distance between the center lines (A) falls within the specifications of the supporting mode.

Table 1 Specification

Item	Simplex	Duplex
Side Edge (Center line misalignment)	+/-2.5 mm	+/-2.5 mm

Adjustment

1. Enter Diag mode. Select DC131 (NVM Read/Write).
2. Adjust the distance between the center lines (A) using the following NVM so that the measured value falls within the specifications. The following instructions are for CVT-Side 1. For CVT-Side 2, adjust in the opposite direction.
If the center line in the test chart is to the right of the center line in the copy: Set a larger value.
If the center line in the test chart is to the left of the center line in the copy: Set a smaller value.

Table 2

Chain	Link	Name	Min	Initial	Max	Step	Remarks
715	110	CVT FS Offset Side1 Reference Adjustment Value	0	120	240	0.1 mm	CVT-Side 1

Table 2

Chain	Link	Name	Min	Initial	Max	Step	Remarks
716	068	Batch Write Value for FS Registration Adjustment Value	0	120	240	0.1 mm	CIS-Side 2

NOTE: If you have made changes to NVM [715-110], make sure to turn the power OFF and ON.

NOTE: As the corresponding NVM [716-104 to 716-112] will be rewritten when NVM [716-068] is rewritten, be careful when changing the NVM [716-104 to 716-112] individually.

- Place Test Chart 499T 00247 (A3) on the DADF with the scan side face up.
- Make copies with the following conditions:
CVT-Side 1 (1 Sided):
A3 SEF
100%
1->1 Sided
1 sheets
CIS-Side 2 (2 Sided Simultaneous Scan: Side 2 of 2 Sided):
A3 SEF
100%
2->2 Sided
1 sheets
- Repeat the procedure until the measured value of the distance between the center lines (A) falls within the specifications.
- Set the NVM (Chain-Link: 715-110) adjustment value in the following NVM as well:

Table 3 NVM List

Chain	Link	Name	Min	Initial	Max	Step
711	272	ADF-IIT Combine Adjustment Value Data 3 Side 1 Side Regi ADJ.	0	120	240	0.1 mm
711	273	ADF-IIT Combine Adjustment Value Data 4 Side 1 Side Regi NVM Factory Default Values - Replace All	0	120	240	0.1 mm

NOTE: As the corresponding NVM [715-056 to 715-090] will be rewritten when NVM [715-110] is rewritten, be careful when changing the NVM [715-056 to 715-090] individually.

ADJ 54.1.3 DADF Lead Edge Registration Purpose

To set the DADF Scan Position (original scan position) Lead Edge (Slow Scan Direction).

NOTE: The following adjustments must have already been completed.

- DC126 System Registration Adjustment (ADJ 18.1.1)
- IIT Lead Edge/Side Registration Adjustment (ADJ 1.1.2) (ADJ 1.1.3)
- DADF Height Adjustment (ADJ 54.1.4)
- DADF Lead Skew Adjustment (ADJ 54.1.1)

NOTE: Before performing Side 2 Regi adjustment of 2 Sided Simultaneous Scan, the Side 1 adjustment ADJ 54.1.5 Tail Edge Regi adjustment has been completed.

Check

- Place Test Chart 499T 00247 (A3) on the DADF with the scan side face up.
- Make copies with the following conditions:
CVT-Side 1 (1 Sided):
A3 SEF
100%
1->1 Sided
5 sheets
CIS-Side 2 (2 Sided Simultaneous Scan: Side 2 of 2 Sided):
A3 SEF
100%
2->2 Sided
5 sheets
- Measure the Lead Edge (part A of the figure) of the third copy. (Figure 1)

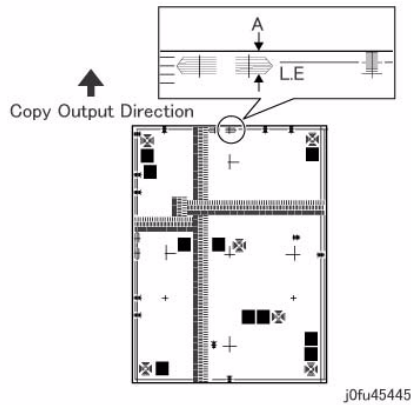


Figure 1 j0fu45445

4. Check that the Lead Edge (A) falls within the specifications of the supporting mode.

Table 1 Specification

Item	Simplex	Duplex
Lead Edge	10 +/-2.2 mm	110 +/-2.2 mm

Adjustment

1. Enter Diag mode. Select DC131 (NVM Read/Write).
2. Adjust the Lead Edge (A) using the following NVM so that the measured value falls within the specifications.
If the measured value is short: Set a smaller value.
If the measured value is long: Set a larger value.

Table 2 NVM List

Chain	Link	Name	Min	Initial	Max	Step	Remarks
711	140	DADF Lead Regi Offset NVM (Side 1)	70	120	170	0.1 mm	CVT-Side 1
716	066	Batch Write Value for SS Tail Registration Adjustment Value	0	122	244	0.1 mm	CIS-Side 2

NOTE: As the corresponding NVM [711-001 to 711-012] will be rewritten when NVM [711-140] is rewritten, be careful when changing the NVM [711-001 to 711-012] individually.

NOTE: As the corresponding NVM [716-070 to 716-085] will be rewritten when NVM [716-066] is rewritten, be careful when changing the NVM [716-070 to 716-085] individually.

3. Place Test Chart 499T 00247 (A3) on the DADF with the scan side face up.
4. Make copies with the following conditions:
CVT-Side 1 (1 Sided):
A3 SEF
100%
1->1 Sided
1 sheets
CIS-Side 2 (2 Sided Simultaneous Scan: Side 2 of 2 Sided):
A3 SEF
100%
2->2 Sided
1 sheets
5. Repeat the procedure until the measured value of the Lead Edge (A) falls within the specifications.

ADJ 54.1.4 DADF Height Adjustment

Purpose

To correct the feeding of the original by adjusting the height of the DADF.

Check

1. Check the gap between the DADF Platen Guide and the Platen Glass or DADF Platen Glass. (Figure 1)
 - (1) Looking from the front of the DADF Platen Guide, the Bearing B (x2) at the Left Platen Roll should be in contact with the Platen Glass.
 - (2) Foot A (protrusions) (x2) at the front of the DADF Platen Guide should be in contact with the Platen Glass.

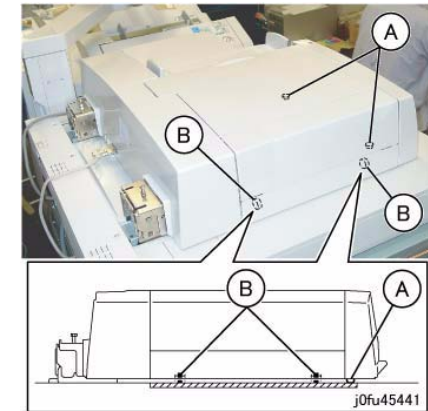


Figure 1 j0fu45441

Adjustment

1. Loosen the nut of the Left Counter Balance and turn the screw to adjust the height and slant of the DADF such that the shaft of the Platen Roll is parallel to the IIT frame. (Figure 2)
Turning the screw in direction A will cause the front of the DADF to rise and the rear to fall.
Turning the screw in direction B will cause the front of the DADF to fall and the rear to rise.

ADJ 54.1.5 DADF Tail Edge Regi Registration Adjustment

Purpose

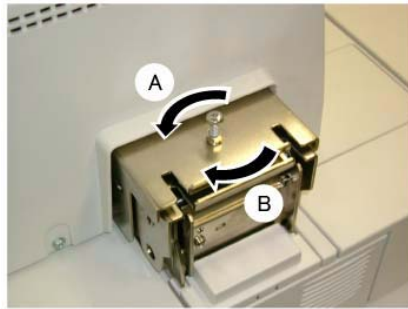
To set the DADF Scan Position (original scan position) Tail Edge (Slow Scan Direction).

NOTE: The following adjustments must have already been completed.

- DC126 System Registration Adjustment (ADJ 18.1.1)
- IIT Lead Edge/Side Registration Adjustment (ADJ 1.1.2) (ADJ 1.1.3)
- DADF Height Adjustment (ADJ 54.1.4)
- DADF Lead Skew Adjustment (ADJ 54.1.1)

Check

1. Place Test Chart 499T 00247 (A3) on the DADF with the scan side face up.
2. Make copies with the following conditions:
CVT-Side 1 (1 Sided):
A3 SEF
100%
1->1 Sided
5 sheets
CIS-Side 2 (2 Sided Simultaneous Scan: Side 2 of 2 Sided):
A3 SEF
100%
2->2 Sided
5 sheets
3. Measure the Tail Edge (part A of the figure) of the third copy. (Figure 1)

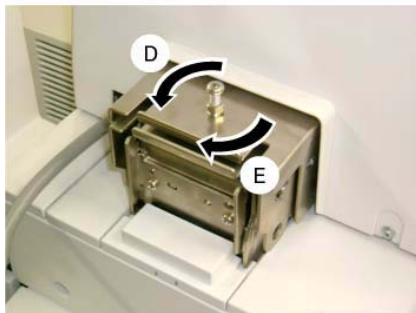


j0fu45446

Figure 2 j0fu45446

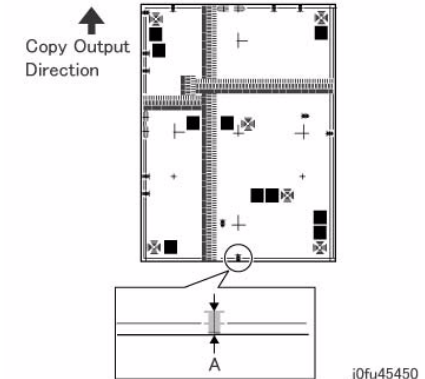
NOTE: Ensure that the nut is securely tightened after adjustment.

2. Loosen the nut of the Right Counter Balance and turn the screw to adjust the position of the DADF such that the gap of the foot on the right in front is less than 0.5mm. (Figure 3)
Turning the screw in direction D will cause the front of the DADF to rise and the rear to fall.
Turning the screw in direction E will cause the front of the DADF to fall and the rear to rise.



j0fu45447

Figure 3 j0fu45447



j0fu45450

Figure 1 j0fu45450

4. Check that the Tail Edge (A) falls within the specifications of the supporting mode.

Table 1 Specification

Item	Simplex	Duplex
Tail Edge	10 +/-2.2 mm	10 +/-2.2 mm

Adjustment

1. Enter Diag mode. Select DC131 (NVM Read/Write).
2. Adjust the Tail Edge (A) using the following NVM so that the measured value falls within the specifications.
If the measured value is short: Set a larger value.
If the measured value is long: Set a smaller value.

Table 2 NVM List

Chain	Link	Name	Min	Initial	Max	Step	Remarks
711	142	DADF Tail Edge Offset NVM (Side 1)	80	120	170	0.1 mm	CVT-Side 1
716	067	Batch Write Value for SS Lead Registration Adjustment Value	0	122	244	0.1 mm	CIS-Side 2

NOTE: As the corresponding NVM [711-029 to 711-054] will be rewritten when NVM [711-142] is rewritten, be careful when changing the NVM [711-029 to 711-054] individually.

NOTE: As the corresponding NVM [716-070 to 716-085] will be rewritten when NVM [716-067] is rewritten, be careful when changing the NVM [716-070 to 716-085] individually.

3. Place Test Chart 499T 00247 (A3) on the DADF with the scan side face up.
4. Make copies with the following conditions:
CVT-Side 1 (1 Sided):
A3 SEF
100%
1->1 Sided
1 sheets
CIS-Side 2 (2 Sided Simultaneous Scan: Side 2 of 2 Sided):
A3 SEF
100%
2->2 Sided
1 sheets
5. Repeat the procedure until the measured value of the Tail Edge (A) falls within the specifications.

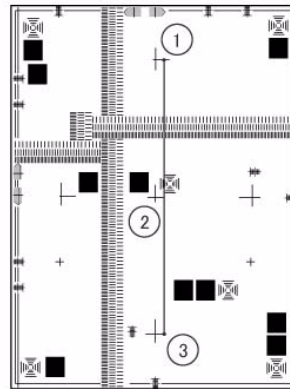
ADJ 54.1.6 DADF Slow Scan Direction Reduce / Enlarge Adjustment

Purpose

To obtain the proper Slow Scan Direction Reduce / Enlarge ratio for 100% copy.

Check

1. Place Test Chart 499T 00247 (A3) on the DADF with the scan side face up.
2. Make copies with the following conditions:
A3 SEF
100%
1->1 Sided
5 sheets
3. Check that the distance between the reference points in the third copy is the same as the distance between the same points in the Test Chart.
(Figure 1)
Slow Scan Direction (Vertical) Reduce / Enlarge: Between 1-2, 2-3 and 1-3 in the figure.



j0fu45448

Figure 1 j0fu45448

Adjustment

1. Enter Diag mode. Select DC131 (NVM Read/Write).
2. Adjust the distance between the reference points in the third copy using the following NVM so that it is the same as the distance between the same points in the Test Chart.
If the measured value in the copy is shorter than the measured value in the Test Chart: Set a larger value.

If the measured value in the copy is longer than the measured value in the Test Chart: Set a smaller value.

Table 1 NVM List

Chain	Link	Name	Min	Initial	Max	Step
711	144	Vertical Ratio Fine Adjustment - Replace All	0	20	40	0.1%

3. After adjustment, place Test Chart 499T 00247 (A3) on the DADF again with the scan side face up.
4. Make copies with the following conditions:
A3 SEF
100%
1->1 Sided
5 sheets
5. Repeat the procedure until the distance between the reference points in the copy is the same as the distance between the same points in the Test Chart.

Chapter 5 Parts List

5 Parts List

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5.1.1 How to Use the Parts List

Chapter 5 Parts List contains information on spare parts.

The parts list is used to order replacement parts and enter area codes. To use the parts list correctly, read the description below carefully.

<How to find out parts No needed>

To reduce a time to find out Parts No on E-Doc, FX put Navigation screen. Please refer to 5.3 Using Parts Navigation.

5.1.2 Precautions

- To make the illustration easy to see, hardware such as screws are shown in alphabets. Their shapes are not shown.
- Read notes in the Description column carefully before ordering and replacing parts.
- SCC followed by part name in the DESCRIPTION column represents Safety Critical Component. Handling Safety Critical Components shall conform to Fuji Xerox Co. Ltd.-stipulated rules and regulations on Safety Critical Components.
- ISC followed by part name in the DESCRIPTION column represents Important Information Stored Component that stores important customer information. To replace and discard an ISC, follow the procedure for it described in chapter 4.
- The area codes are shown on plates each. The area codes (such as toner and Current Adjustment values) which cannot be shown as parts on plates are listed on the list of area codes at the end of this chapter.

5.1.3 Plate Composition

5.1.4 Terminology and Symbols

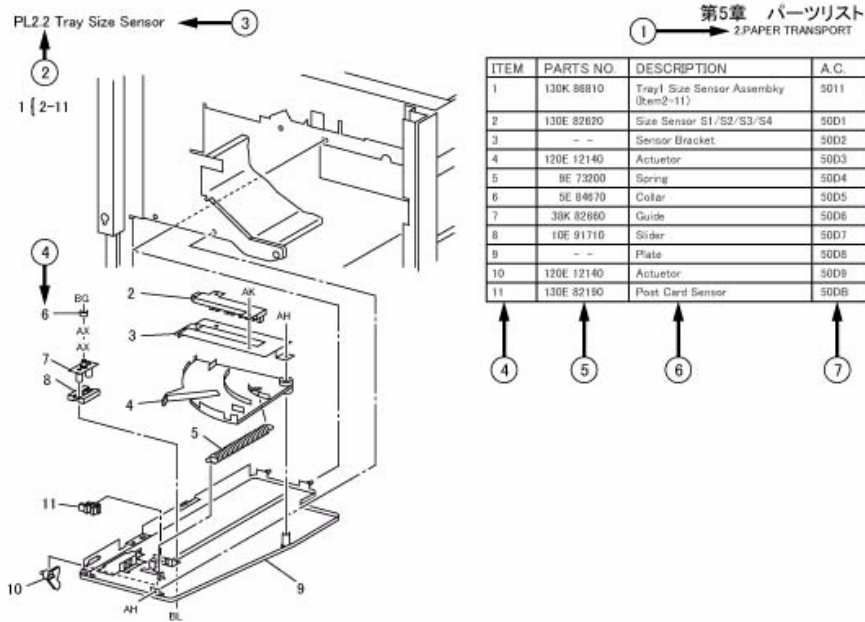


Figure 1 j0mf50001


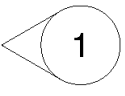
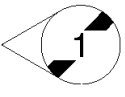
Table 1

	Section Name	Chapter 5 Section Name
(1)	Sub System Name	the name of the subsystem
(2)	PLATE NO.	Parts List Reference No. shown in each chapter
(3)	PLATE NAME	Title name of the illustration, which shows the mechanism of the sub system
(4)	ITEM	Matches the number in the illustration.
(5)	PART NO.	The number to be used for ordering parts and filling in the service report.
(6)	DESCRIPTION	Provides the part name, V(MOD) Code and notes, etc.
(7)	AREA CODE	The code to be entered in the failure column of the service report.

Table 1

Terminology and Symbols	Description
 Figure 1 5002	Informs you that the adjustment procedure for the part is described in Chapter 4 Repair and Adjustment.
 Figure 2 5001	Informs you that the removal, installation and replacement procedures for the part are described in Chapter 4 Repair and Adjustment.
 Figure 3 5003	Informs you that the removal, installation, replacement and adjustment procedures for the part are described in Chapter 4 Repair and Adjustment.
3{4-10	This is indicated on the upper left or upper right of the illustration to show the item represents the assembly including the part. The example shows Item 3 is the assembly of Item 4 through 10.
(1/4PCS)	Informs you that four identical parts are installed but that only one of them is shown in the illustration.
- -	This symbol in the PART NO. column shows the part is not managed as a spare part.
(P/O Item 5)	This symbol in the DESCRIPTION column shows the part is not managed as a single piece of spare part, but as a part of the assembly. The example shows the part is a part of Assembly Item 5.
(New) (Old)	This term in the DESCRIPTION column shows the new part is interchangeable with the old one. Unless otherwise specified or there are no particular reasons, order the old part.
(Alternate)	This term in the DESCRIPTION column shows either one of the parts can be used.
 Figure 4 5005	This symbol shows the whole area of the framed illustration is modified by the number in the circle. The area has the modified configuration.

Table 1

Terminology and Symbols	Description
 Figure 5 5006	This symbol shows the whole area of the framed illustration has not been modified by the number in the circle. The area still has the previous configuration.
 Figure 6 4001	The Item pointed to by this symbol in the illustration is modified by the number in the circle. The item has the modified configuration.
 Figure 7 4002	The Item pointed to by this symbol in the illustration has not been modified by the number in the circle. The item still has the previous configuration.
with 5V	This symbol in the DESCRIPTION column shows the part is modified by the number. The part has the modified configuration.
(w/o 5V)	This symbol in the DESCRIPTION column shows the part has not been modified by the number. The part still has the previous configuration.
(SCC) Fuser Assembly	SCC followed by part name in the DESCRIPTION column represents Safety Critical Component. Handling Safety Critical Components shall conform to Fuji Xerox Co. Ltd.-stipulated rules and regulations on Safety Critical Components.
(ISC) NVM PWB	ISC followed by part name in the DESCRIPTION column represents Important Information Stored Component that stores important customer information. To replace and discard an ISC, follow the procedure for it described in chapter 4.

5.1.5 Using Parts Navigation

This section describes how to use the Navigation screen (illustrated)

The Navigation screen is divided into two layers, under which there is another layer of PLs.

- The first (top) layer
 - Navi 1.1(Processor+Option)

The whole processor including DADF and Finisher is illustrated each for good understanding. Find the module which includes the desired part and click on Navi 2.X or PL shown at the end of the call out. Navi 2.X shows there is a more detailed illustration of the module. Otherwise, you will be directly linked to the applicable PL.
- The second layer
 - Navi 2.1 to 2.8,3.1 to 3.2

The module found in Navi 1.1 is divided into more modules, which link to the related PLs. The screen here uses PLXX to show all the parts in the detailed module. Click on the applicable item, and you will see the illustration of the applicable PL. Find the desired part in the PL illustration to learn the part's item no. After that, obtain the appropriate part no. from the list.

On E-DOC, clicking on the item no. makes the List screen displayed. Then the appropriate part no. can be found.
- The third (bottom) layer has PLXXs.

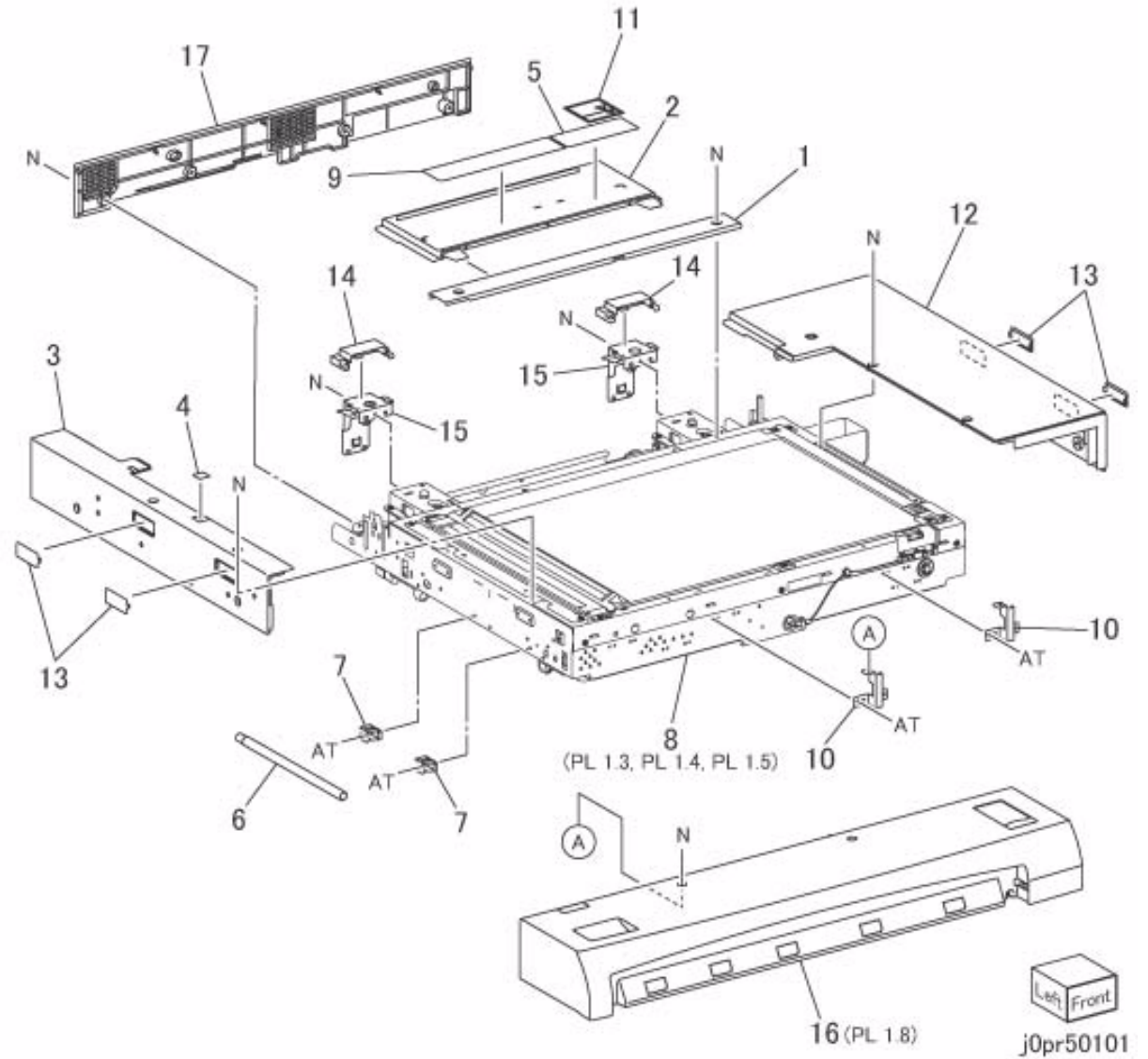
<Returning from the lower layers to the higher layer>

Clicking on Navi 2.X or PLXX on the upper left of the illustration makes you return to Navi 1.1 for Processor parts.

PL 1.1 IIT Cover

Item	Parts No	Description	A.C.
1	848E 03710	Top Rear Cover 1	11B1
2	802E 62453	Top Rear Cover 2	11B2
3	848E 65660	IIT Left Cover	11B3
4	055E 42960	Sensor Shield	11B4
5	-	Label (Caution)	11B5
6	806E 04982	Arm Shaft	11B6
7	-	Arm Shaft Holder	11B7
8	-	IIT (PL 1.3, PL 1.4, PL 1.5)	11B8
9	897E 40590	Label (Caution)	11B9
10	-	Bracket	11BB
11	-	Label	11BC
12	848E 73730	IIT Right Cover	11BD
13	802E 63030	Blind Cover	11BE
14	802E 67240	Blind Cover	11BF
15	868E 61992	DADF Support Bracket	11BG
16	-	Top Front Cover Assembly (PL 1.8)	11BH
17	848E 55930	IIT Rear Cover	11BJ

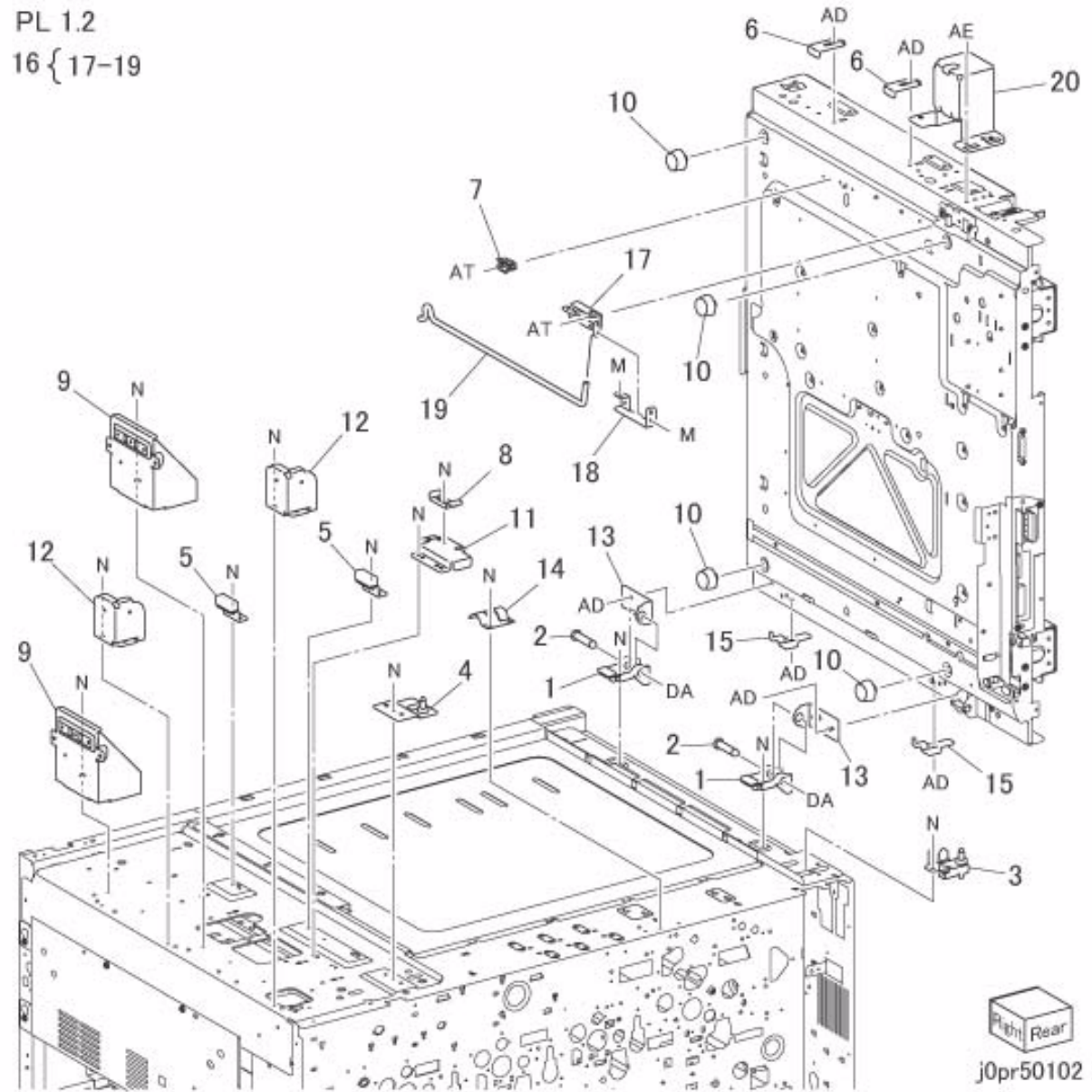
PL 1.1



PL 1.2 IIT Bottom-Bracket

Item	Parts No	Description	A.C.
1	-	Pivot Bracket	11C1
2	-	Pivot Stud	11C2
3	-	Locate Bracket (Left)	11C3
4	-	Locate Bracket (Right)	11C4
5	-	Foot Bracket	11C5
6	003E 60690	Stopper (Right)	11C6
7	-	Brace Holder	11C7
8	-	Lock Brace Bracket	11C8
9	868E 33580	Wing Bracket	11C9
10	017E 94750	Foot	11CB
11	-	Catch	11CC
12	868E 15520	Bracket	11CD
13	-	Pivot Bracket	11CE
14	-	Conductor	11CF
15	003E 61083	Stopper (Left)	11CG
16	604K 33910	Brace Shaft Kit (Item 17-19)	11CH
17	-	Brace Bracket (P/O Item 16)	11CJ
18	-	Brace Guard (P/O Item 16)	11CK
19	-	Brace Shaft (P/O Item 16)	11CL
20	-	Arm Bracket	11CM

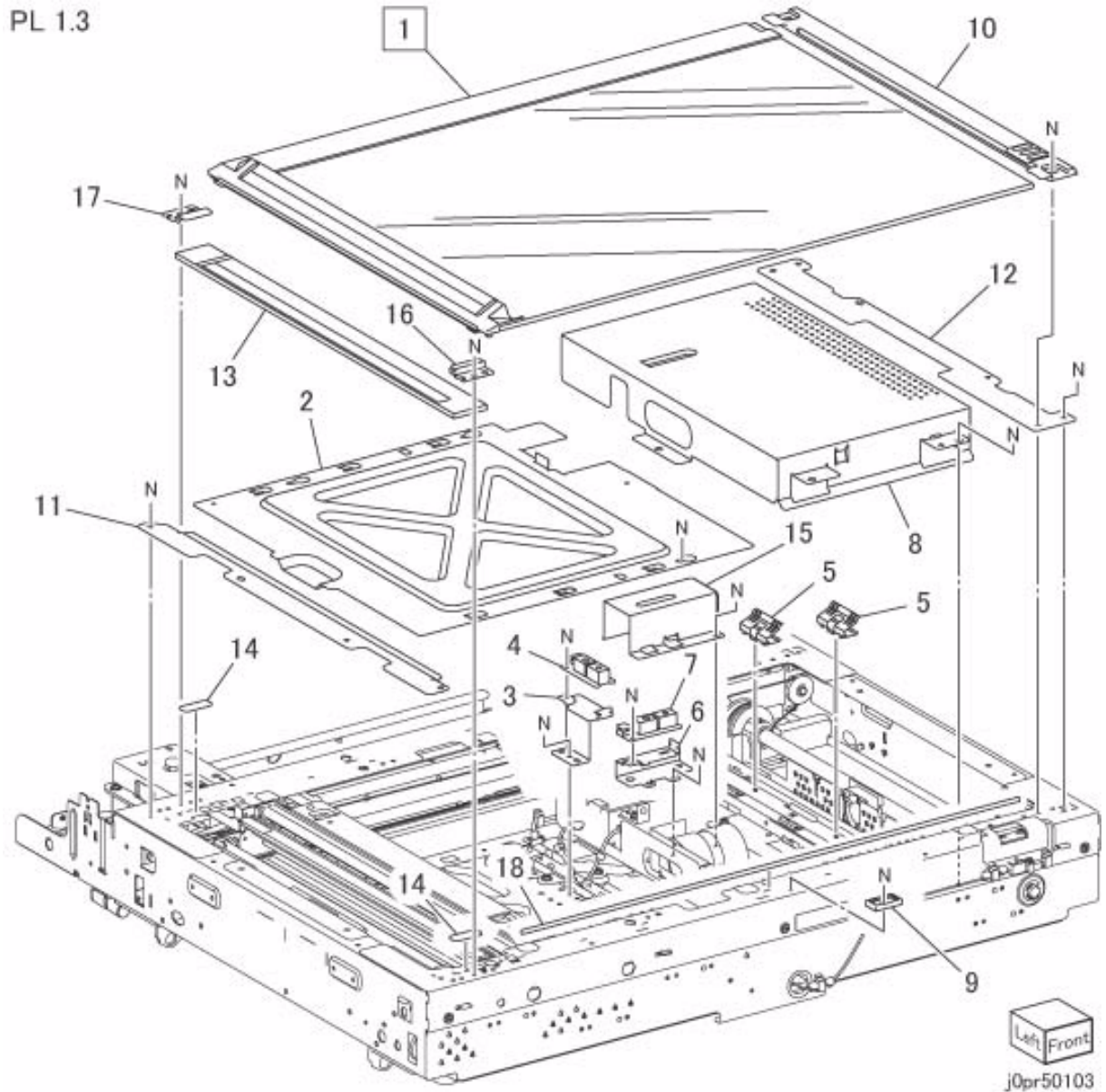
PL 1.2
16 { 17-19



PL 1.3 IIT-Platen Glass,APS Sensor

Item	Parts No	Description	A.C.
1	090K 93350	Platen Glass (REP 1.3.1)	1021
2	-	Bottom Cover	11D1
3	-	Bracket	11D2
4	130K 64150	APS Sensor 1	1062
5	-	Conductor Plate	11D3
6	-	Bracket	11D4
7	130K 64150	APS Sensor 2	1062
8	-	Lens Cover	11D5
9	868E 04891	Platen Glass Support	11D6
10	815K 10440	Right Plate	11D7
11	815E 65740	CVT Glass Plate	11D8
12	-	Plate	11D9
13	090K 93270	CVT Platen Glass	11DB
14	014E 62400	Spacer	11DC
15	-	Lens Cover	11DD
16	-	Support (Front)	11DE
17	-	Support (Rear)	11DF
18	035E 72970	Front Seal	11DG

PL 1.3

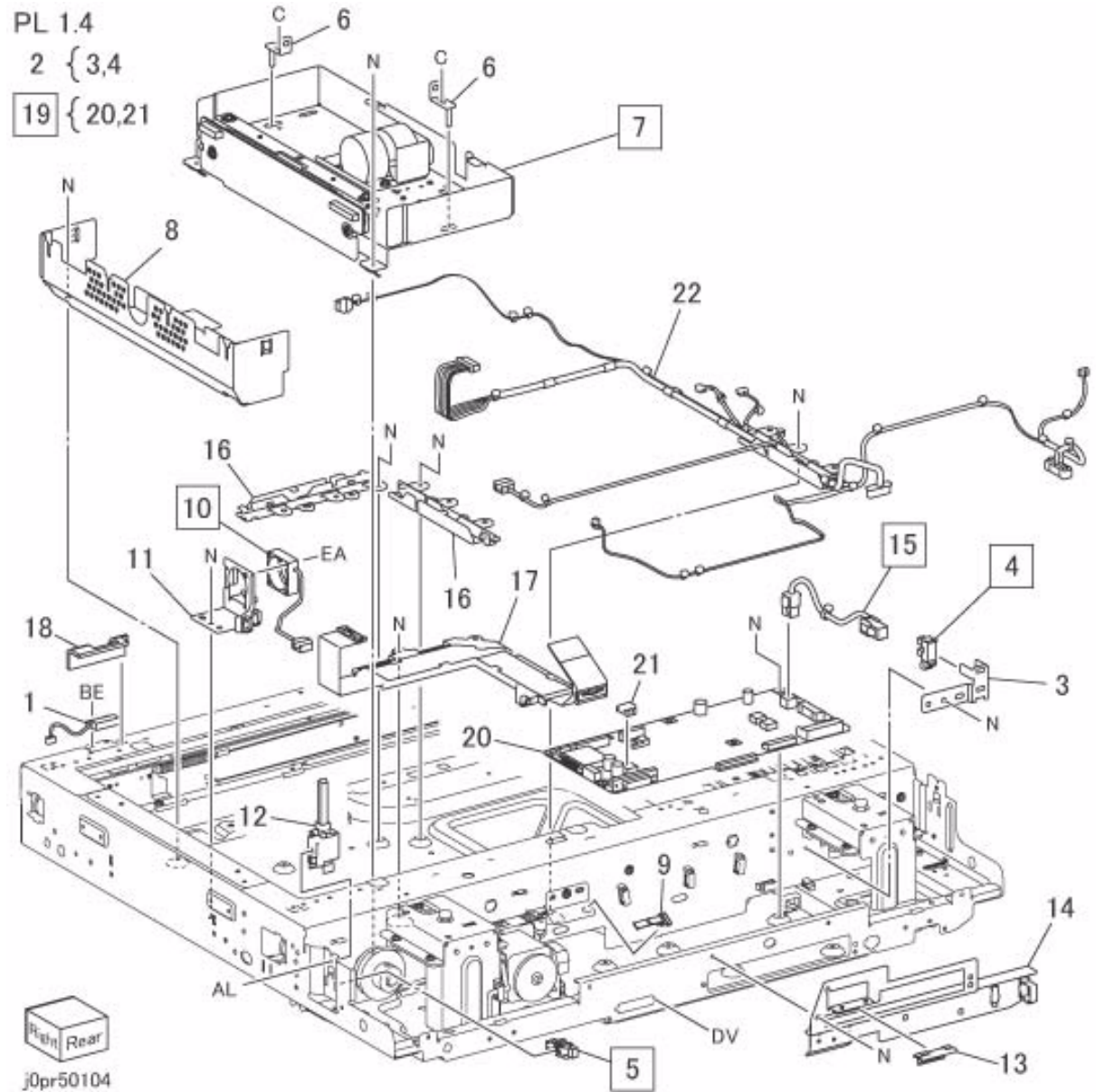


PL 1.4 IIT-Electrical

Item	Parts No	Description	A.C.
1	910W 00901	Platen Interlock Switch	11E1
2	130K 77190	IIT Registration Sensor Assembly (Item 3, 4)	11E2
3	-	Bracket Sensor (P/O Item 2)	11E3
4	930W 00112	IIT Regi. Sensor (REP 1.4.1)	11E4
5	130E 87280	Platen Angle Sensor (REP 1.4.2)	11E5
6	-	Jig	11E6
7	604K 74950	Lens And CCD Kit (REP 1.4.3)	1110
8	-	Base Bottom	11E7
9	-	Clamp	11E8
10	127K 39420	CCD Fan (REP 1.4.4)	11E9
11	-	Fan Bracket	11EB
12	120K 92370	Actuator Assembly	11EC
13	-	Conductor	11ED
14	-	Plate Assembly	11EE
15	962K 74180	(SCC) IIT PWB Wire Harness (REP 99.1.1)	1120
16	-	Harness Guide	11EF
17	032K 07590	CCD Flexible Print Cable Assembly	11EG
18	-	Switch Seal	11EH
19	960K 54501	(SCC) IIT PWB (Item 20, 21) (REP 1.4.5, REP 99.1.1)	11EJ
20	-	IIT PWB (P/O Item 19)	11EK
21	-	SEEP ROM (P/O Item 19)	11EL
22	-	Wire Harness Assembly	11EM

PL 1.4

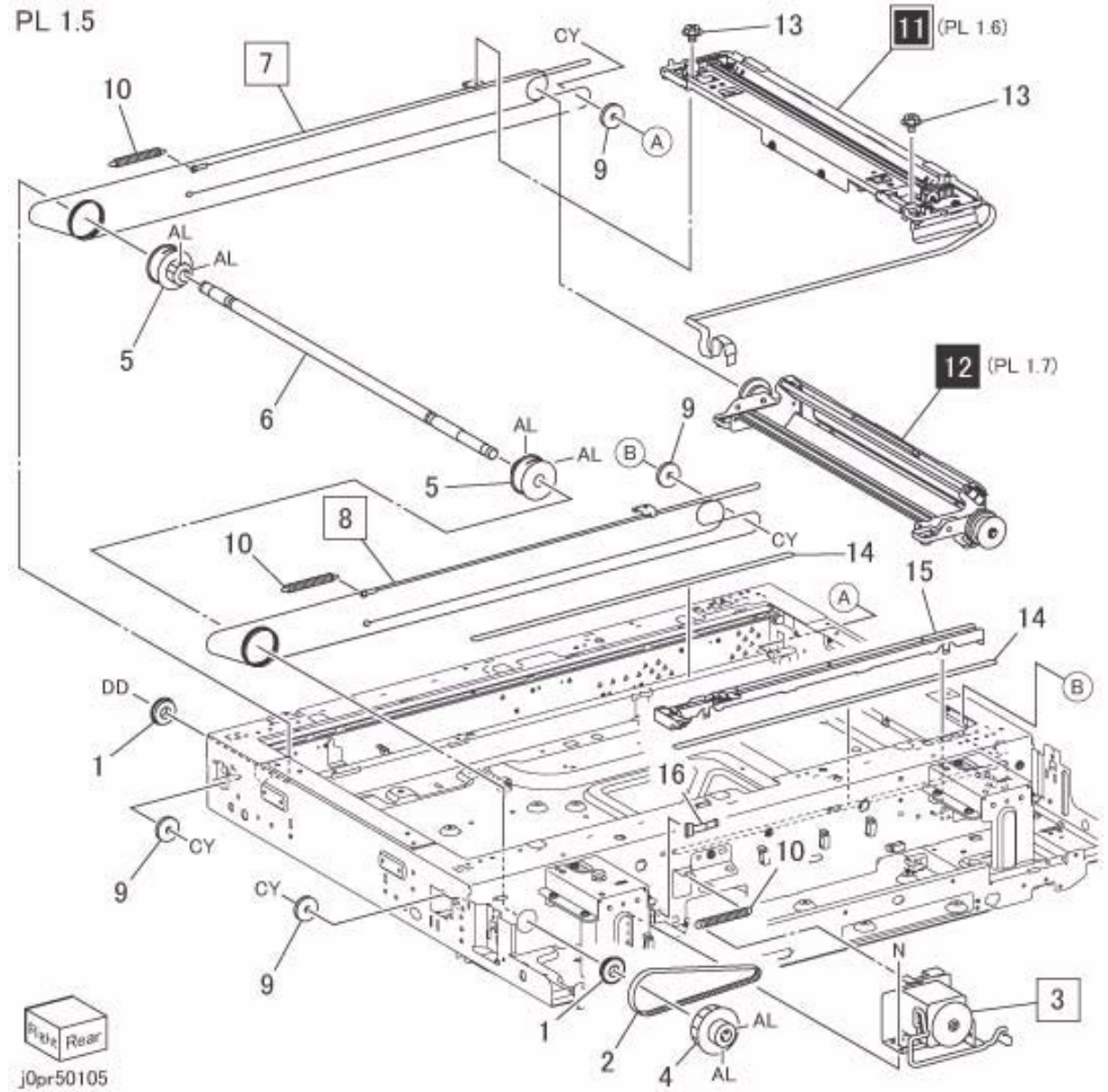
2 { 3,4
19 { 20,21



Rear
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PL 1.5 IIT-Carriage

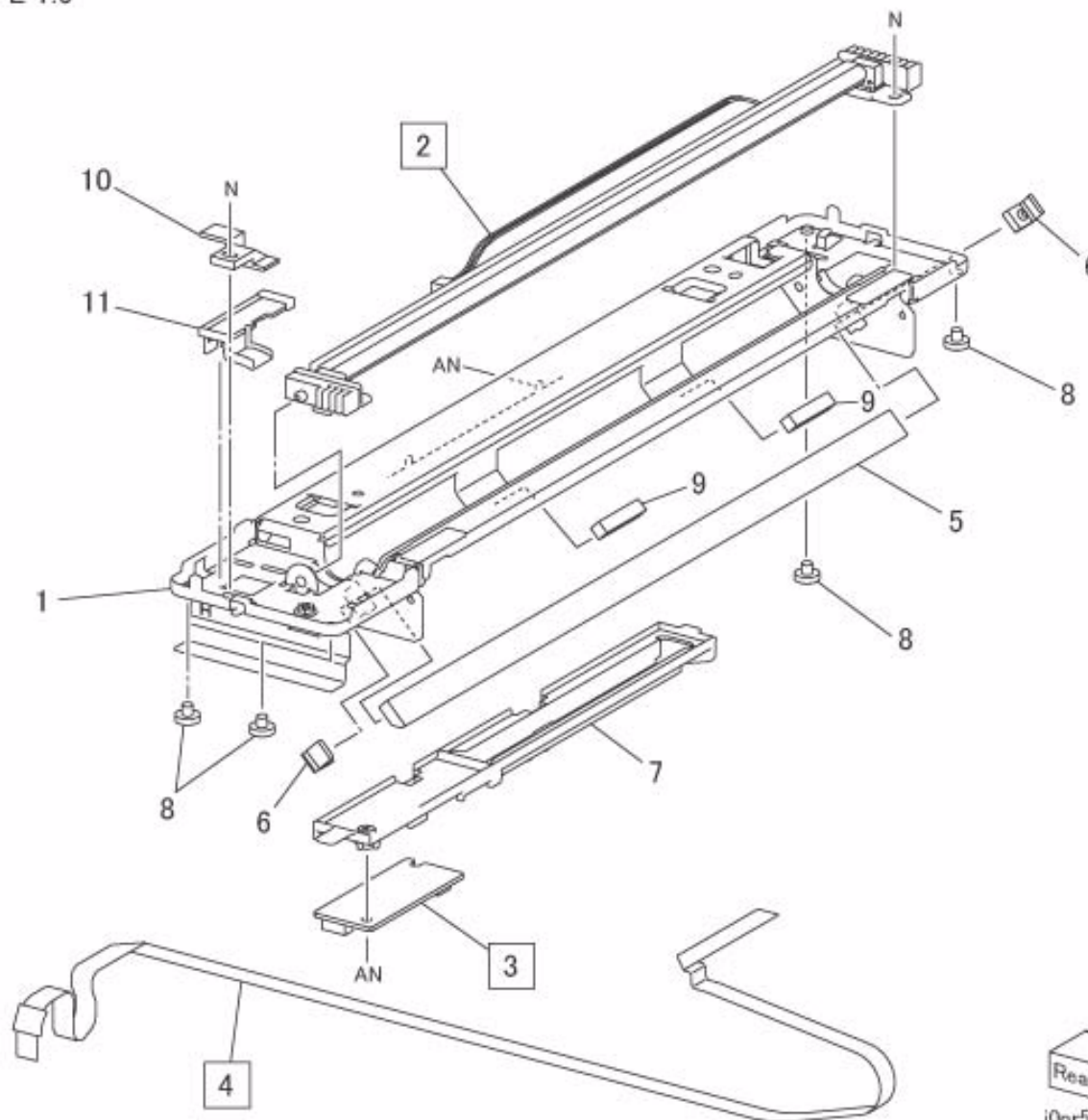
Item	Parts No	Description	A.C.
1	413W 95650	Ball Bearing	11F1
2	023E 26740	Belt	11F2
3	127K 63410	(SCC) Carriage Motor (REP 1.5.1, REP 99.1.1)1041	
4	020K 15850	Pulley	11F3
5	020E 45600	Capstan Pulley	11F4
6	806E 24430	Capstan Shaft	11F5
7	012K 96420	Front Carriage Cable (Black) (REP 1.5.2)11F6	
8	012K 96430	Rear Carriage Cable (Silver) (REP 1.5.2)11F7	
9	020E 21630	Pulley	11F8
10	809E 76840	Tension Spring	11F9
11	041K 96280	Full Rate Carriage (PL 1.6) (REP 1.5.3)(ADJ 1.1.1)1010	
12	041K 95850	Half Rate Carriage (PL 1.7) (ADJ 1.1.1)1020	
13	826E 08780	Screw (Blue)	11FB
14	063E 07400	Tape	11FC
15	032E 37300	Harness Guide	11FD
16	-	Clamp	11FE



PL 1.6 Full Rate Carriage

Item	Parts No	Description	A.C.
1	-	Full Rate Carriage Assembly	11G1
2	122E 92851	LED Lamp (REP 1.6.1)	1013
3	105E 19840	PS LED PWB (REP 1.6.2)	1065
4	117K 47200	(SCC) LED Lamp Cord Assembly (REP 99.1.1)	11G2
5	062E 13030	No.1 Mirror	1022
6	809E 76850	Clip (Single)	11G3
7	-	Cord Holder	11G4
8	019E 56311	Pad	11G5
9	004E 14120	Damper	11G6
10	-	Cord Guide	11G7
11	-	Cord Holder	11G8

PL 1.6

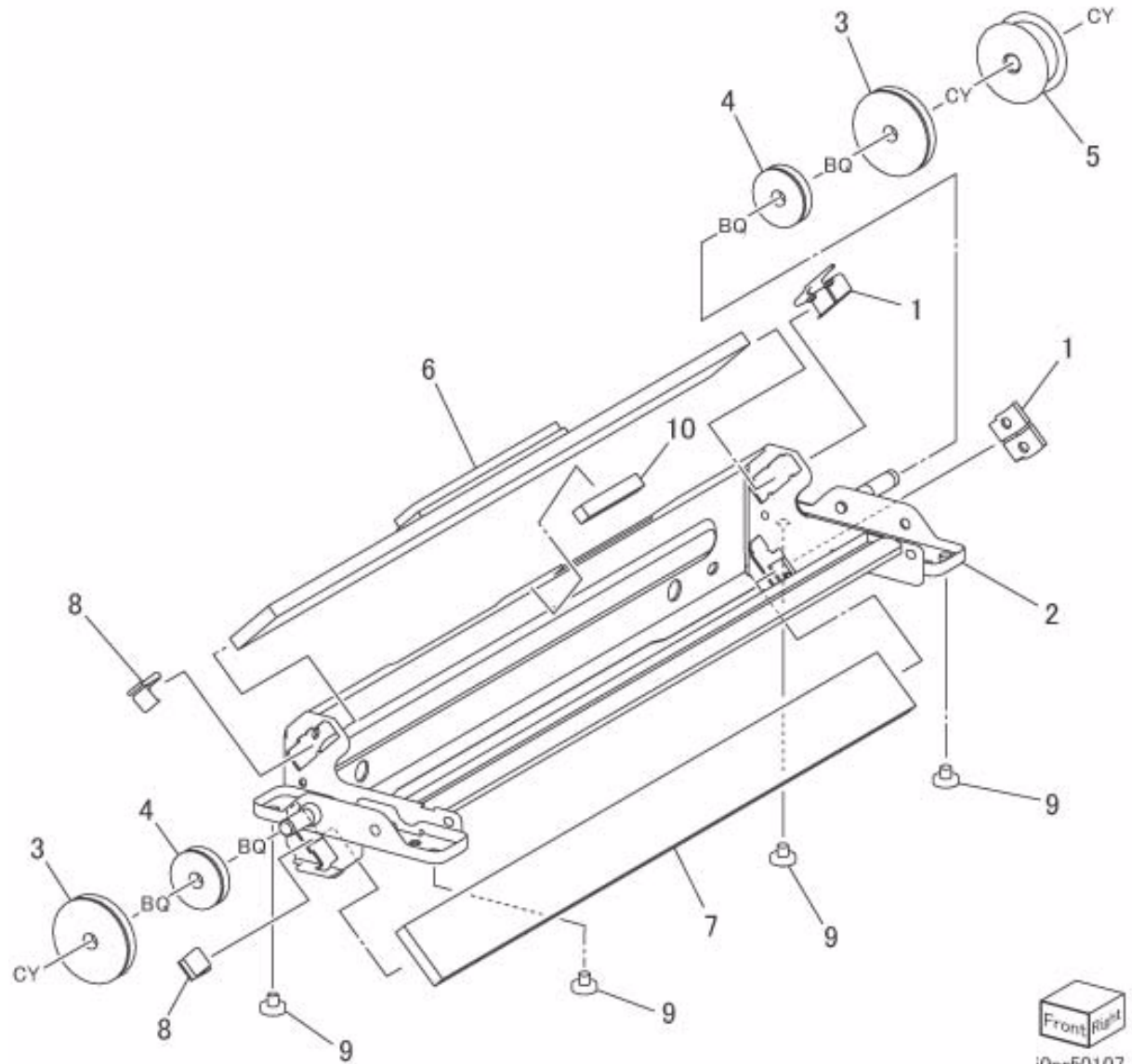


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PL 1.7 Half Rate Carriage

Item	Parts No	Description	A.C.
1	809E 76860	Clip (Double)	11H1
2	-	Half Rate Carriage Assembly	11H2
3	020K 09450	Pulley	11H3
4	020E 21630	Pulley	11H4
5	-	Pulley	11H5
6	062K 18830	No.2 Mirror	11H6
7	062K 18830	No.3 Mirror	11H7
8	809E 76850	Clip (Single)	11H8
9	019E 56311	Pad	11H9
10	004E 14110	Damper	11HB

PL 1.7

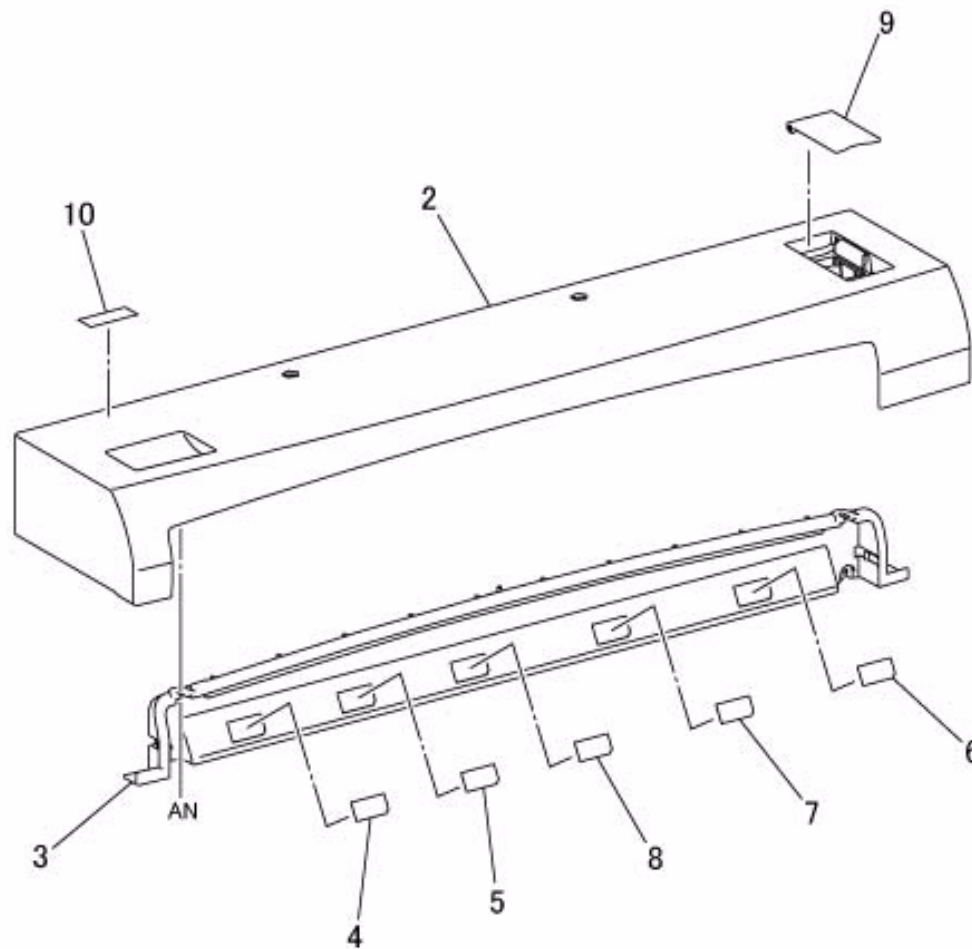


PL 1.8 Top Front Cover Assembly

PL 1.8

1 { 2-9

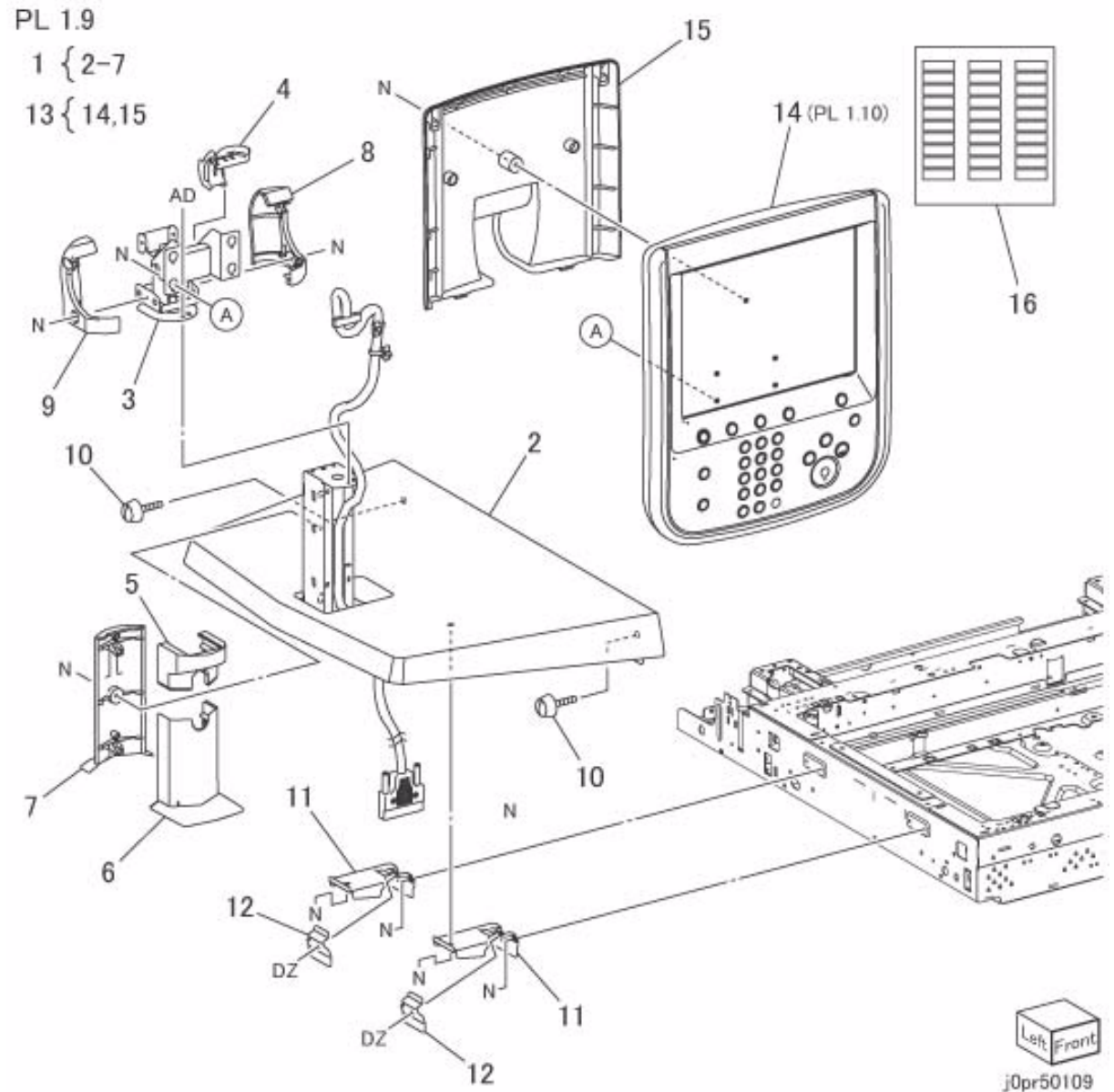
Item	Parts No	Description	A.C.
1	848K 14630	IIT Front Cover Assembly (Item 2-9)11J1	
2	-	IIT Font Cover (P/O Item 1)11J2	
3	-	Inner Cover (P/O Item 1) 11J3	
4	893E 25250	Label (K1)	11J4
5	893E 26050	Label (K2)	11J5
6	893E 26060	Label (Y)	11J6
7	893E 26070	Label (M)	11J7
8	893E 26080	Label (C)	11J8
9	055E 56440	Lid	11J9
10	-	Label	11JB



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PL 1.9 Control Panel Component

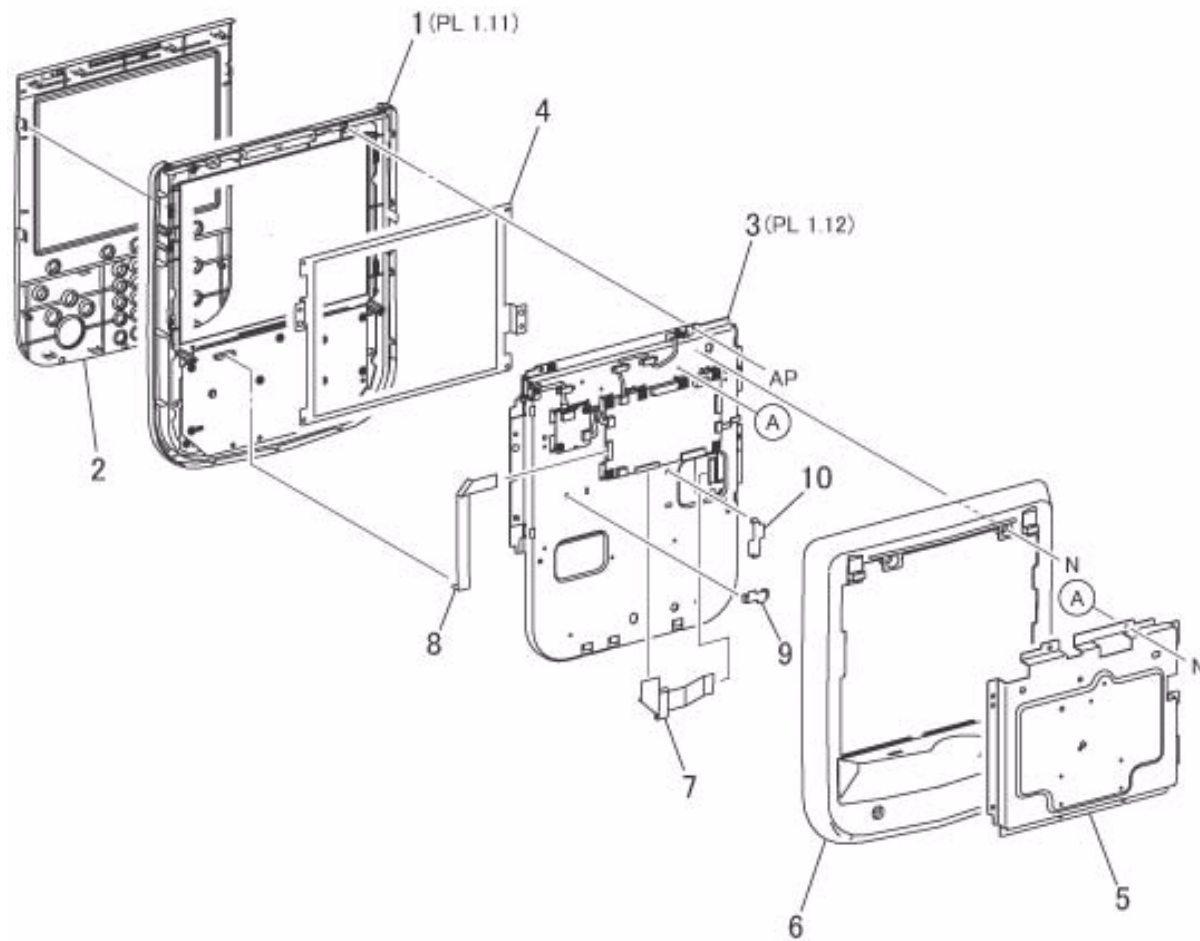
Item	Parts No	Description	A.C.
1	050K 66000	Wing Tray Assembly (Item 2-7)75B1	
2	-	Wing Tray (P/O Item 1) 75B2	
3	-	Hinge (P/O Item 1) 75B3	
4	-	Harness Guide (P/O Item 1)75B4	
5	-	Neck Post Cover (P/O Item 1)75B5	
6	-	Front Post Cover (P/O Item 1)75B6	
7	-	Rear Post Cover (P/O Item 1)75B7	
8	848E 43741	Right Hinge Cover 75B8	
9	848E 43751	Left Hinge Cover 75B9	
10	003E 63230	Thumb Screw 75BB	
11	-	Wing Support 75BC	
12	-	Wing Stopper 75BD	
13	848K 34296	S104 Control Panel Assembly (Item 14, 15) (FX) 75AA	
-	848K 40473	S104 Control Panel Assembly (Item 14, 15) (ENG) 75AA	
-	848K 40513	S104 Control Panel Assembly (Item 14, 15) (FXK) 75AA	
-	848K 40493	S104 Control Panel Assembly (Item 14, 15) (FXTW) 75AA	
-	848K 40533	S104 Control Panel Assembly (Item 14, 15) (FXCL) 75AA	
14	-	S104 Control Panel (P/O Item 13) (PL 1.10)75BE	
15	848E 43730	Rear Panel Cover 75BF	
16	-	Function Label 75BG	



PL 1.10 S104 Control Panel

Item	Parts No	Description	A.C.
1	-	S104 Front Panel (PL 1.11)75C1	
2	848K 34110	Front Panel Cover (FX) 75C2	
-	848K 40480	Front Panel Cover (ENG)75C2	
-	848K 40520	Front Panel Cover (FXK) 75C2	
-	848K 40500	Front Panel Cover (FXTW)75C2	
-	848K 40540	Front Panel Cover (FXCL)75C2	
3	-	S104 Display Panel (PL 1.12)75C3	
4	-	Ground Plate 75C4	
5	-	Neck Bracket 75C5	
6	848E 43721	Rear Panel Cover 75C6	
7	-	UI Flexible Print Cable 75C7	
8	-	UI Flexible Print Cable 75C8	
9	-	Clamp 75C9	
10	-	Clamp 75CB	

PL 1.10

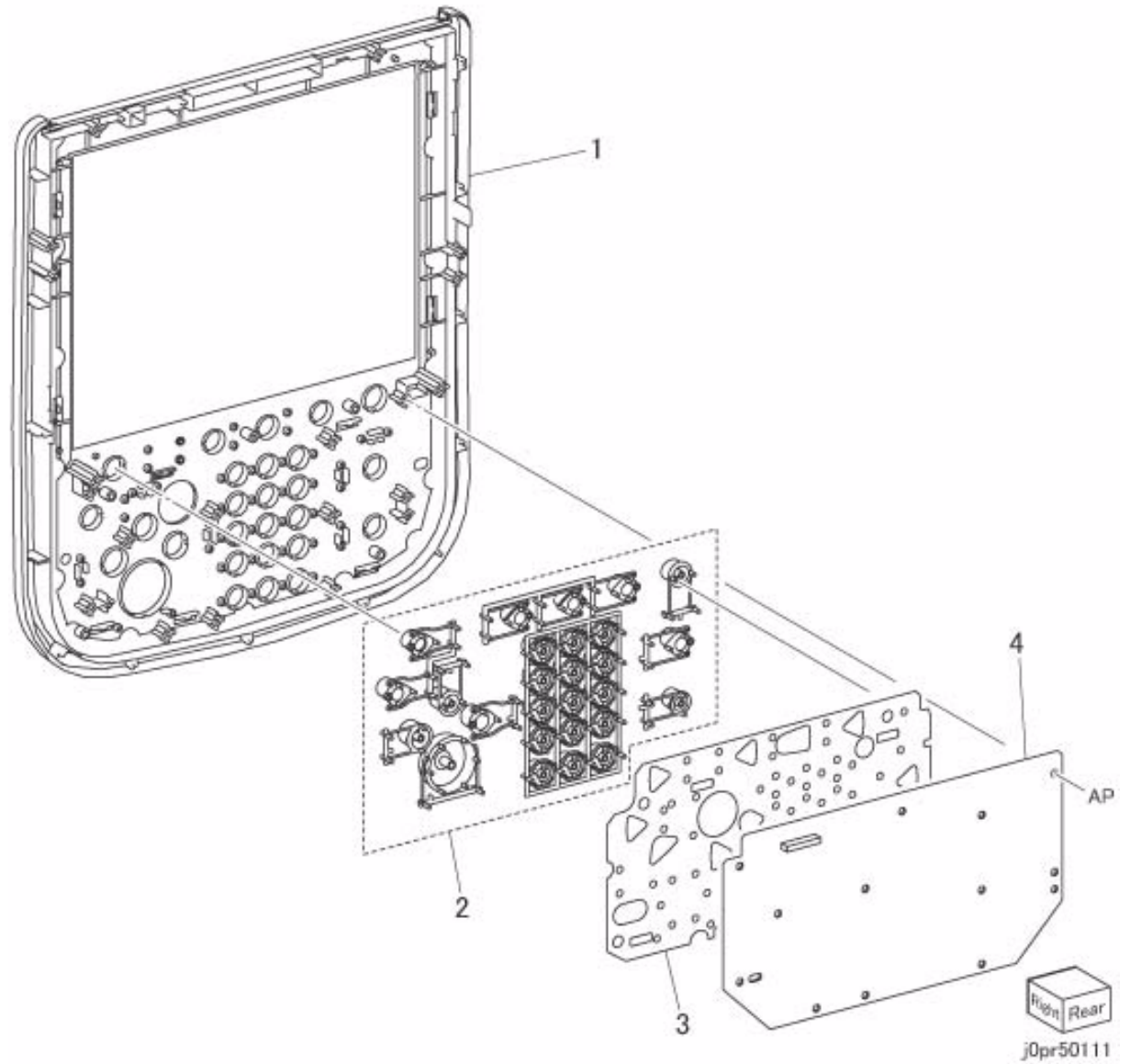


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PL 1.11 S104 Front Panel

Item	Parts No	Description	A.C.
1	848K 33751	Housing	75D1
2	-	Key Assembly	75D2
3	-	Key Cushion	75D3
4	960K 46921	S104 UI 10 Key PWB	75D4

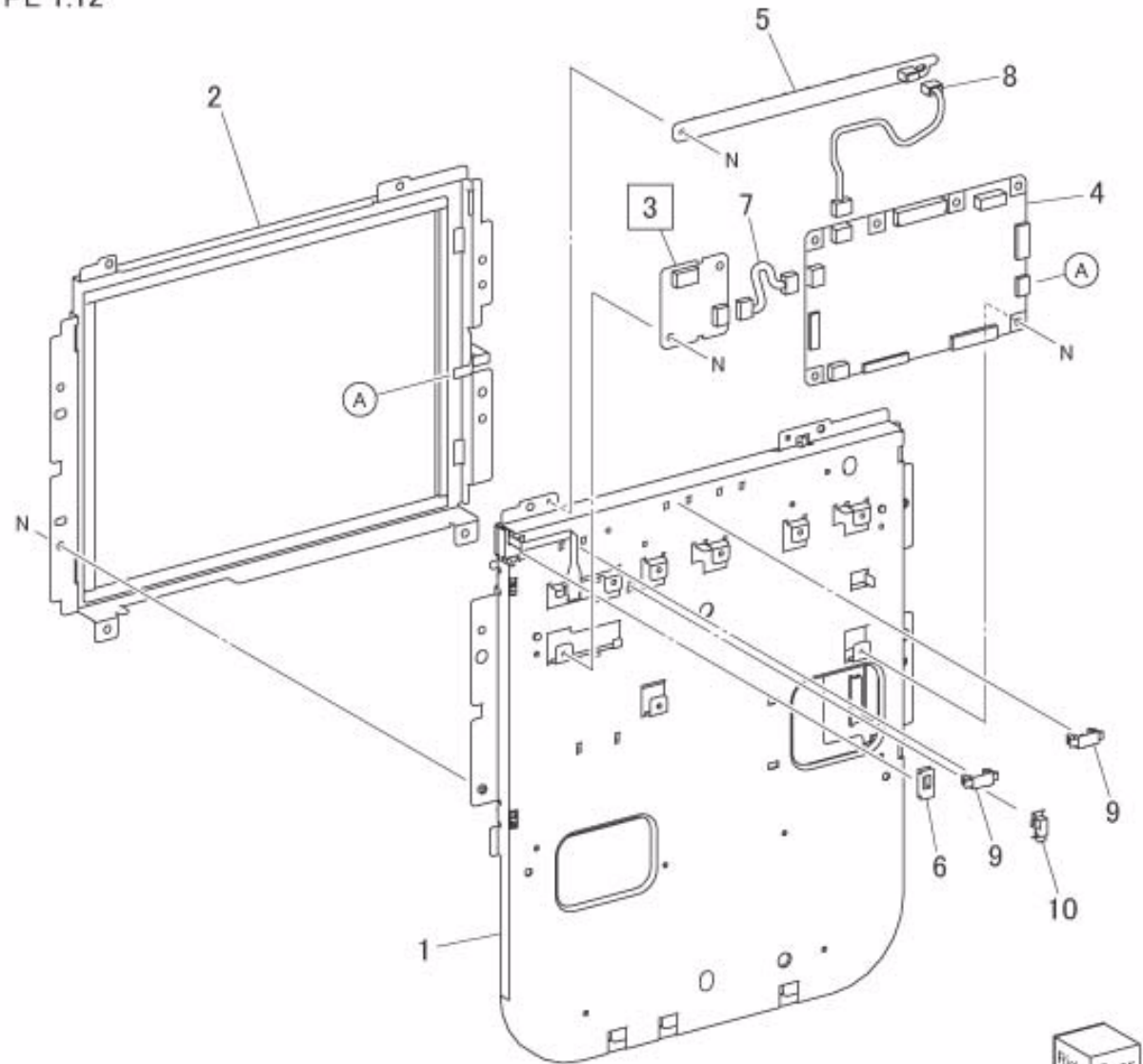
PL 1.11



PL 1.12 S104 Display Panel

Item	Parts No	Description	A.C.
1	-	LCD Frame	75E1
2	801K 40160	Touch Panel Assembly	75E2
3	960K 46941	(SCC) UI LED Back Light PWB (REP 99.1.1)75E3	
4	960K 46900	S104 UI I/F PWB	75E4
5	960K 46890	UI LED PWB	75E5
6	918W 00014	Square Bush	75E6
7	-	UI Wire Harness	75E7
8	-	UI Wire Harness	75E8
9	-	Clamp	75E9
10	-	Clamp	75EB

PL 1.12

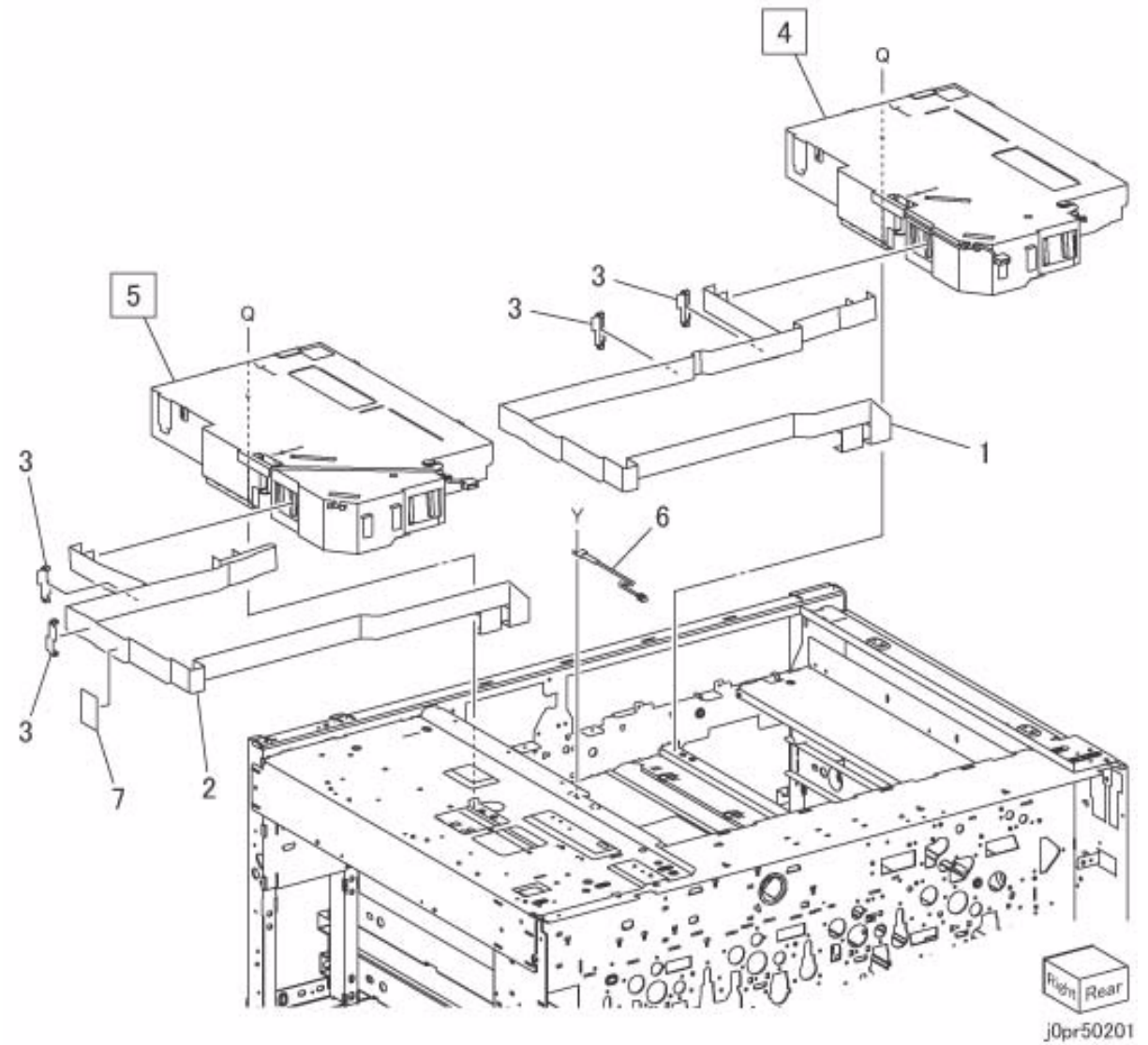


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PL 2.1 ROS

Item	Parts No	Description	A.C.
1	962K 61350	Flat Cable (C, K)	13B1
2	962K 61360	Flat Cable (Y, M)	13B2
3	-	Clamp	13B3
4	062K 24871	(SCC) ROS Assembly (C, K) (REP 2.1.1, REP 99.1.1)13AA	
5	062K 24832	(SCC) ROS Assembly (Y, M) (REP 2.1.2, REP 99.1.1)13AA	
6	130K 88740	Regicon Temp Sensor	13B4
7	-	Seal	13B5

PL 2.1

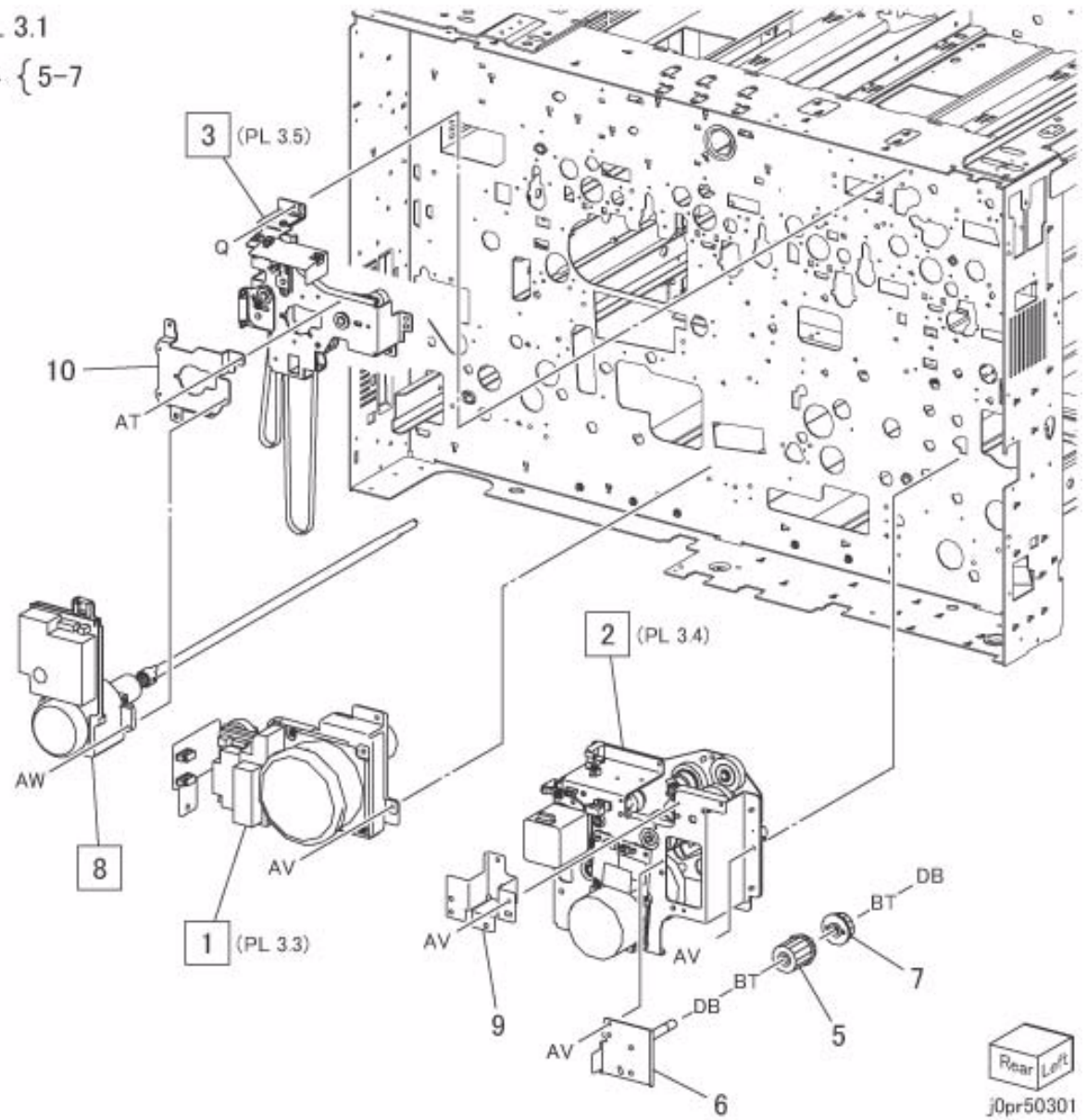


PL 3.1 Drive Unit (1 of 2)

Item	Parts No	Description	A.C.
1	007K 14711	Fusing Unit Drive Assembly (PL 3.3) (REP 3.1.4) 4340	
2	007K 14731	Main Drive Assembly (PL 3.4) (REP 3.1.1)3010	
3	007K 93774	Deve Drive Assembly (K) (PL 3.5) (REP 3.1.2)4030	
4	015K 78150	Gear Bracket Assembly (Item 5-7)30B1	
5	007K 89150	Gear Assembly (28/31T) 30B2	
6	-	Gear Bracket (P/O Item4)30B3	
7	007K 89660	Gear Assembly (31/33T) (P/O Item 4)30B4	
8	127K 66560	(SCC) Drum Motor Assembly (K) (REP 3.1.3, REP 99.1.1)4520	
9	-	Tension Bracket	30B5
10	-	Bracket	30B6

PL 3.1

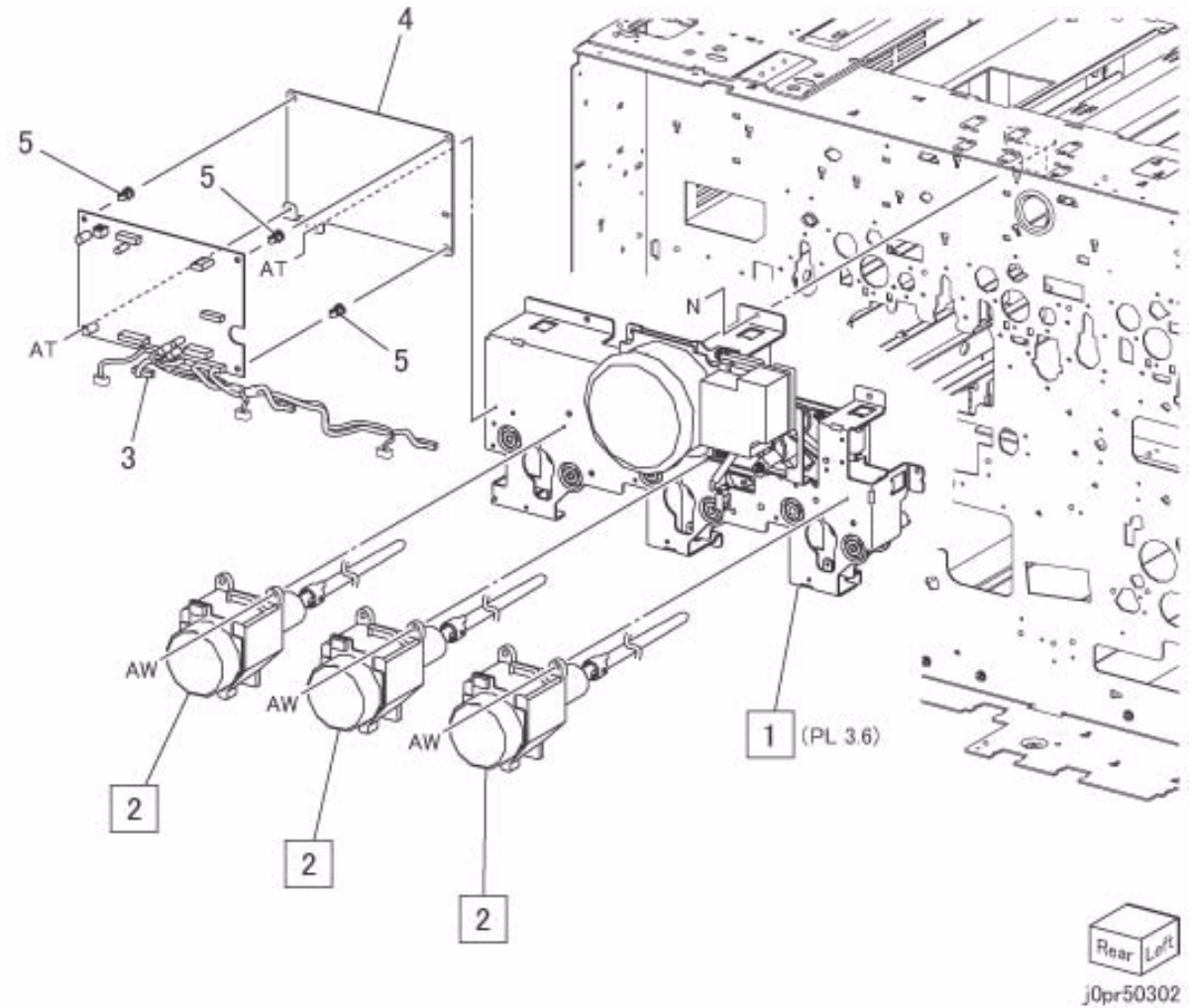
4 { 5-7



PL 3.2 Drive Unit (2 of 2)

Item	Parts No	Description	A.C.
1	007K 14752	Deve Drive Assembly (Y, M, C) (PL 3.6) (REP 3.2.1) 4030	
2	127K 64581	(SCC) Drum Motor Assembly (Y) (REP 99.1.1)4520	
-	127K 64581	(SCC) Drum Motor Assembly (M) (REP 99.1.1)4520	
-	127K 64581	(SCC) Drum Motor Assembly (C) (REP 99.1.1)4520	
3	-	Drum Motor YMC PWB (P/O Item 6)30C1	
4	-	Plate (P/O Item 6) 30C2	
5	-	PWB Support (P/O Item 6)30C3	
6	960K 35932	Drum Motor YMC PWB Assembly (Item 3-5) (Y, M, C) 30C4	

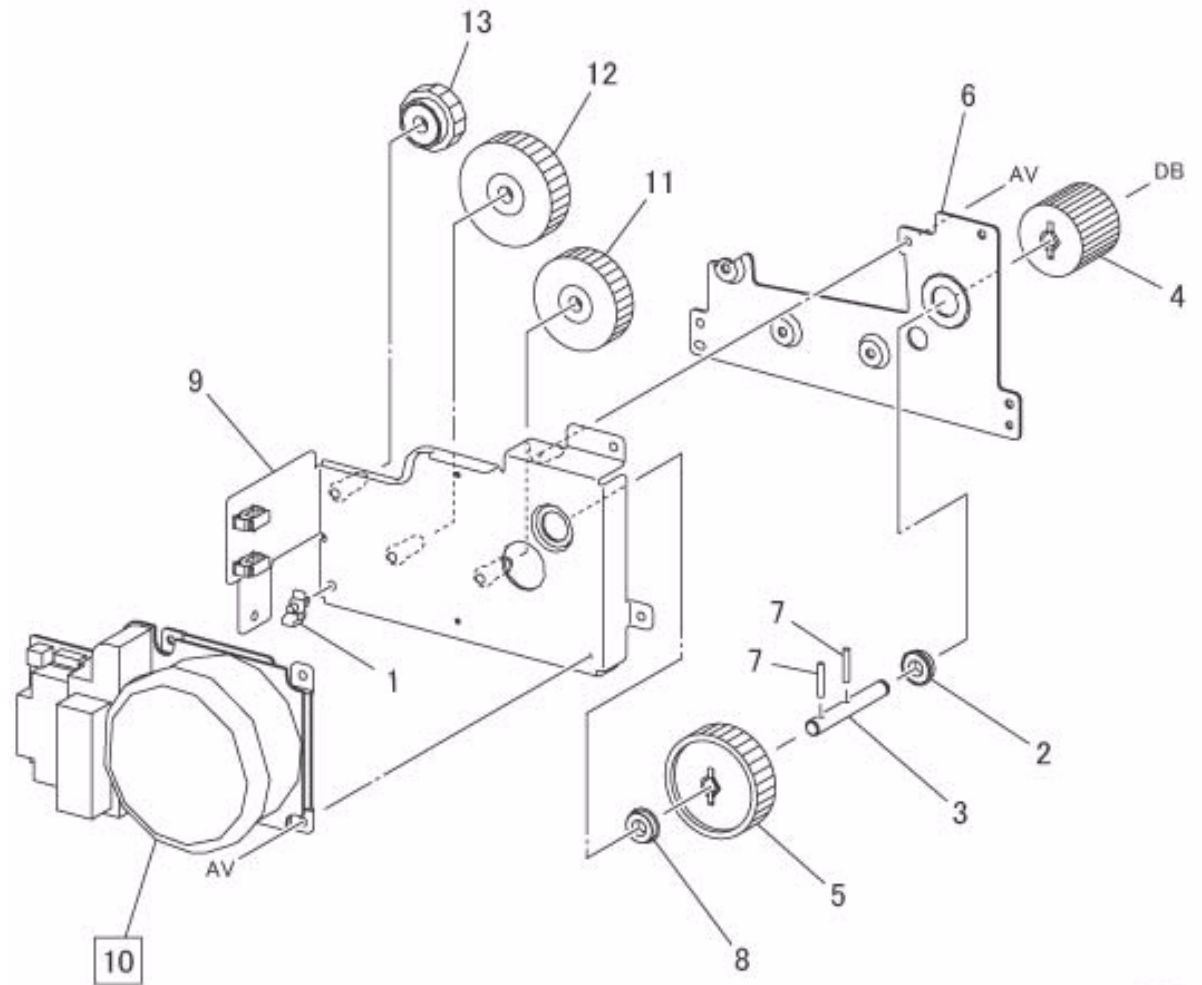
PL 3.2
6 { 3-5



PL 3.3 Fusing Unit Drive Assembly

Item	Parts No	Description	A.C.
1	-	PWB Support	30D1
2	413W 08350	Bearing	30D2
3	-	Shaft	30D3
4	-	Gear (35T)	30D4
5	-	Gear (62T)	30D5
6	-	Bracket	30D6
7	-	Dowel Pin	30D7
8	413W 08350	Bearing	30D8
9	-	Bracket	30D9
10	127K 57150	(SCC) Fusing Unit Drive Motor Assembly (REP 99.1.1)4341	
11	007K 14811	Gear (60T)	30DB
12	007K 14821	Gear (63T)	30DC
13	007K 14831	Gear (37T)	30DD

PL 3.3



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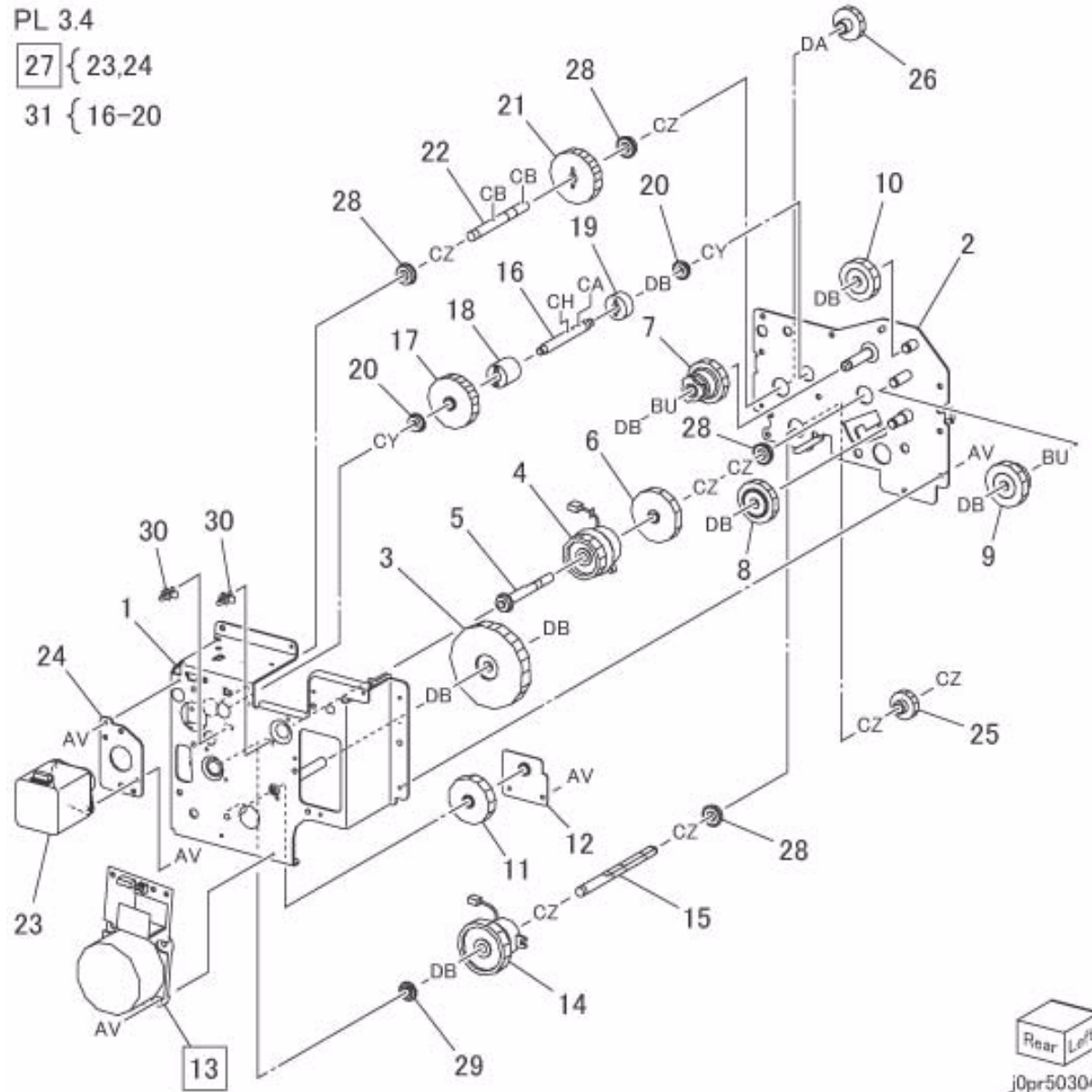
PL 3.4 Main Drive Assembly

Item	Parts No	Description	A.C.
1	-	Upper Bracket Assembly	30E1
2	-	Lower Plate Assembly	30E2
3	007K 15030	Gear Assembly (86T)	30E3
4	121K 42230	Deve Clutch Assembly (K)4032	
5	-	Deve Shaft	30E4
6	807E 25000	Gear (53T)	30E5
7	007K 15040	Gear Assembly (21T/42T)	30E6
8	007K 15070	Gear Assembly (42T)	30E7
9	007K 15050	Gear Assembly (31T/44T)	30E8
10	007K 15060	Gear Assembly (40T)	30E9
11	007K 14740	Gear Assembly (47T)	30EB
12	-	Plate Cover	30EC
13	127K 57820	(SCC) Main Motor (REP 99.1.1)	3011
14	121K 33941	2ND BTR Retract Cam Clutch Assembly	30ED
15	-	Cam Shaft (P/O Item 31)	30EE
16	-	2nd Shaft (P/O Item 31)	30EF
17	807E 38100	Helical Gear	30EG
18	-	Brake Assembly (P/O Item 31)	30EH
19	807E 22290	Helical Gear	30EJ
20	013E 87700	Ball Bearing	30EK
21	807E 22300	Helical Gear	30EL
22	-	BTR Shaft	30EM
23	-	2ND BTR Motor (P/O Item 27)	30EN
24	-	Plate (P/O Item 27)	30EP
25	807E 24990	Gear (18T)	30EQ
26	807E 25011	Gear (24T)	30ER
27	127K 57280	(SCC) 2nd Motor Assembly (Item 23,24) (REP 99.1.1)	30ES
28	413W 08350	Bearing	30ET
29	413W 77359	Bearing	30EV
30	-	PWB Support	30EW
31	006K 89840	Gear Assembly (Item 16-20)	30EX

PL 3.4

27 { 23,24

31 { 16-20

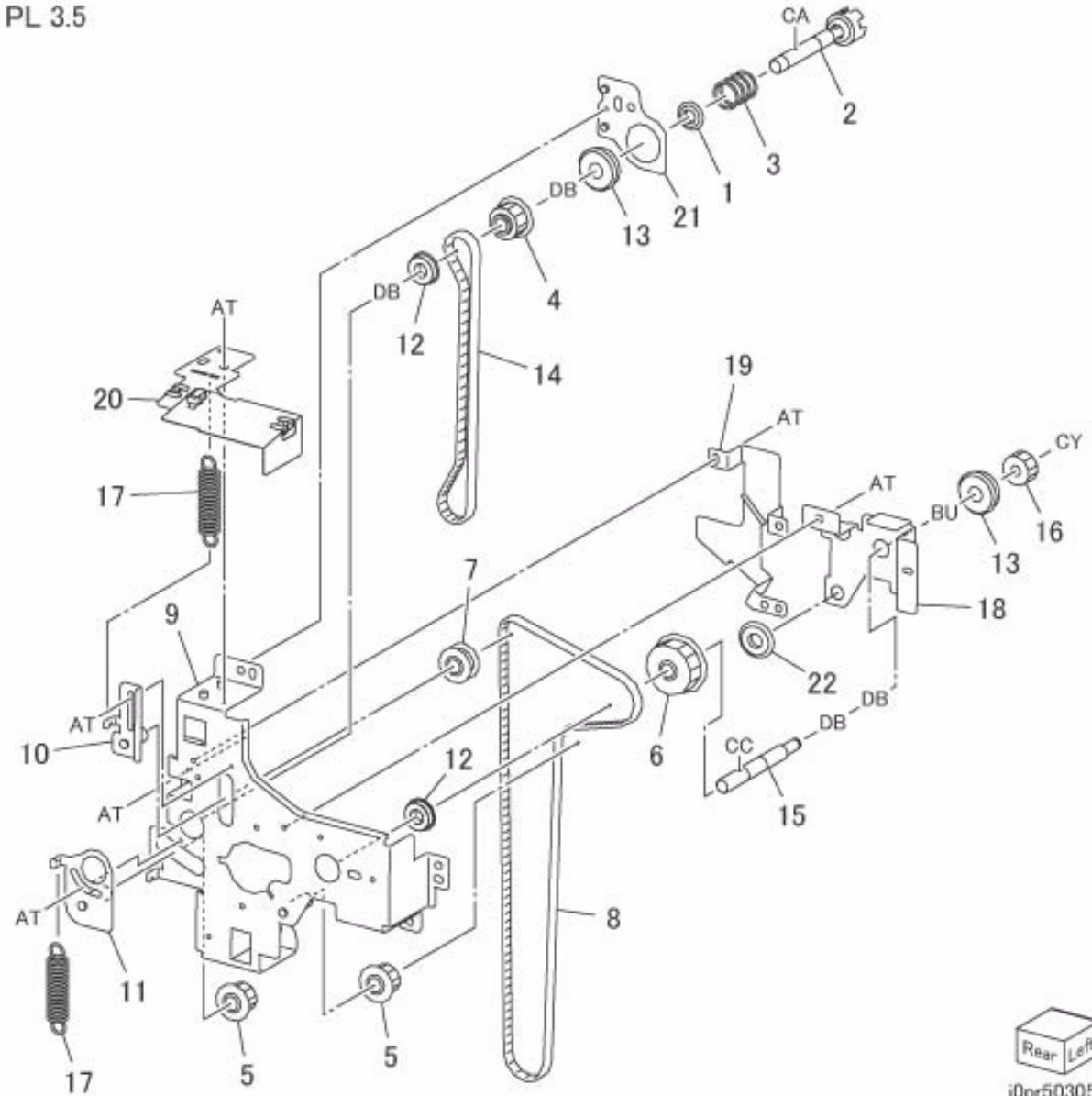


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PL 3.5 DEVE Drive Assembly (K)

Item	Parts No	Description	A.C.
1	005E 17830	Retainer	30G1
2	006K 23653	Shaft Assembly	30G2
3	009E 94920	Spring	30G3
4	020E 37300	Pulley (20T)	30G4
5	020E 37310	Idler Pulley	30G5
6	020E 37320	Pulley (31T)	30G6
7	020K 10710	Pulley Assembly	30G7
8	023E 21410	Belt	30G8
9	-	Bracket Assembly	30G9
10	-	Tension Bracket	30GB
11	-	Tension Bracket	30GC
12	413W 08350	Bearing	30GD
13	413W 08950	Bearing	30GE
14	423W 52154	Belt	30GF
15	-	Shaft	30GG
16	-	Gear (18T)	30GH
17	809E 54810	Spring	30GJ
18	-	Bracket	30GK
19	-	Bracket	30GL
20	-	Support	30GM
21	-	Bracket	30GN
22	-	Flange	30GP

PL 3.5



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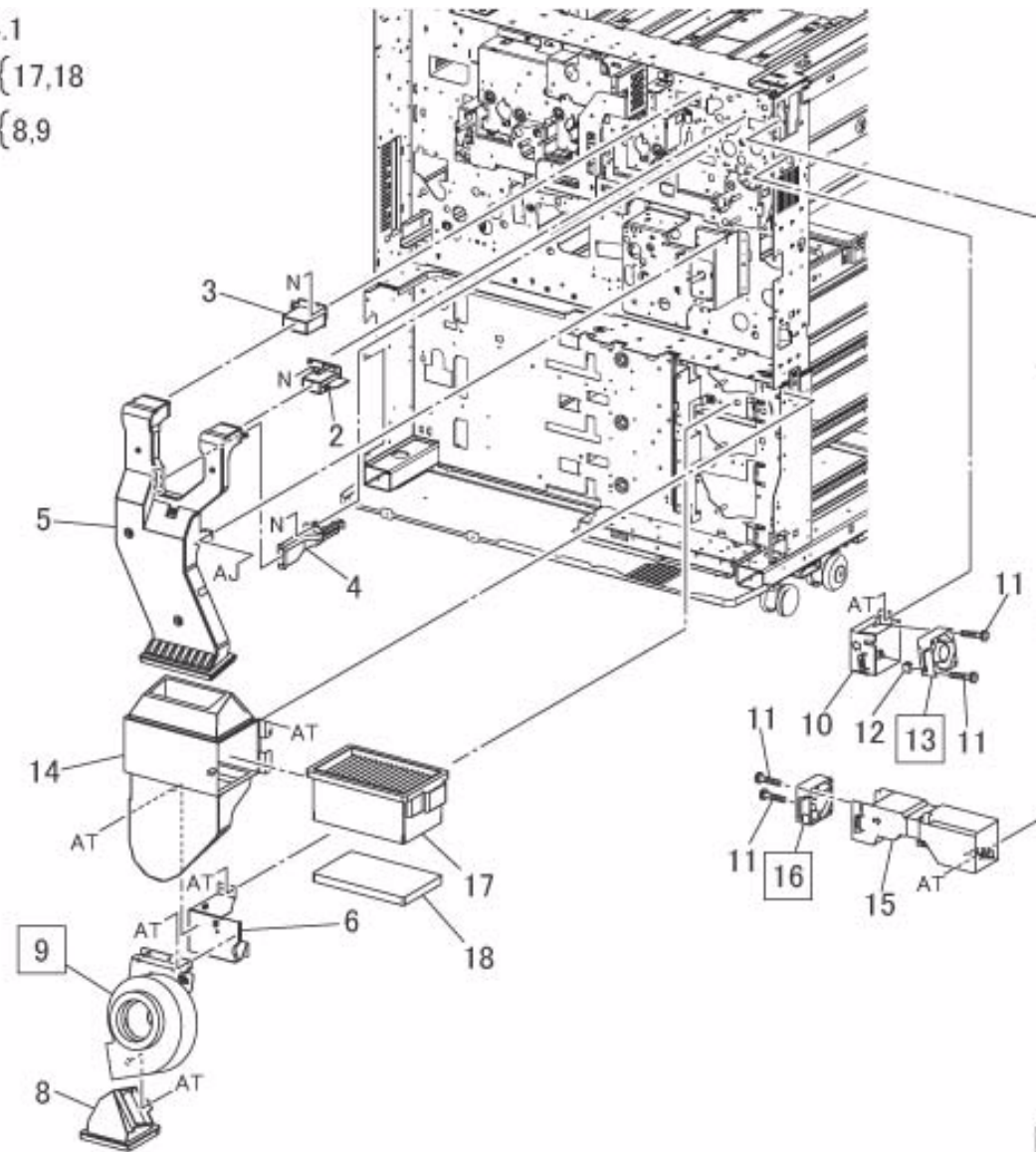
PL 4.1 Air System (1 of 3)

Item	Parts No	Description	A.C.
1	053K 91940	Ozone Filter Assembly (Item 17,18)33B1	
2	054E 89290	PCC Duct	33B2
3	054E 89350	CC Duct	33B3
4	054K 26361	Duct	33B4
5	054K 35780	Main-K Duct	33B5
6	-	Bracket Assembly	33B6
7	127K 39890	Blower Assembly (Item 8,9)33B7	
8	-	Blower Duct (P/O Item 7) 33B8	
9	127K 37893	(SCC) Blower Fan (REP 99.1.1)33B9	
10	-	Fan Duct	33BB
11	-	Screw	33BC
12	-	Connector	33BD
13	927W 00223	(SCC) Rear Fan (REP 99.1.1)33BE	
14	-	Filter Case	33BF
15	-	Duct	33BG
16	127K 39561	(SCC) Rear Add Fan (REP 99.1.1)33BH	
17	053K 91902	Suction Filter	4060
18	053K 91910	Ozone Filter	33BJ

PL 4.1

1 {17,18}

7 {8,9}



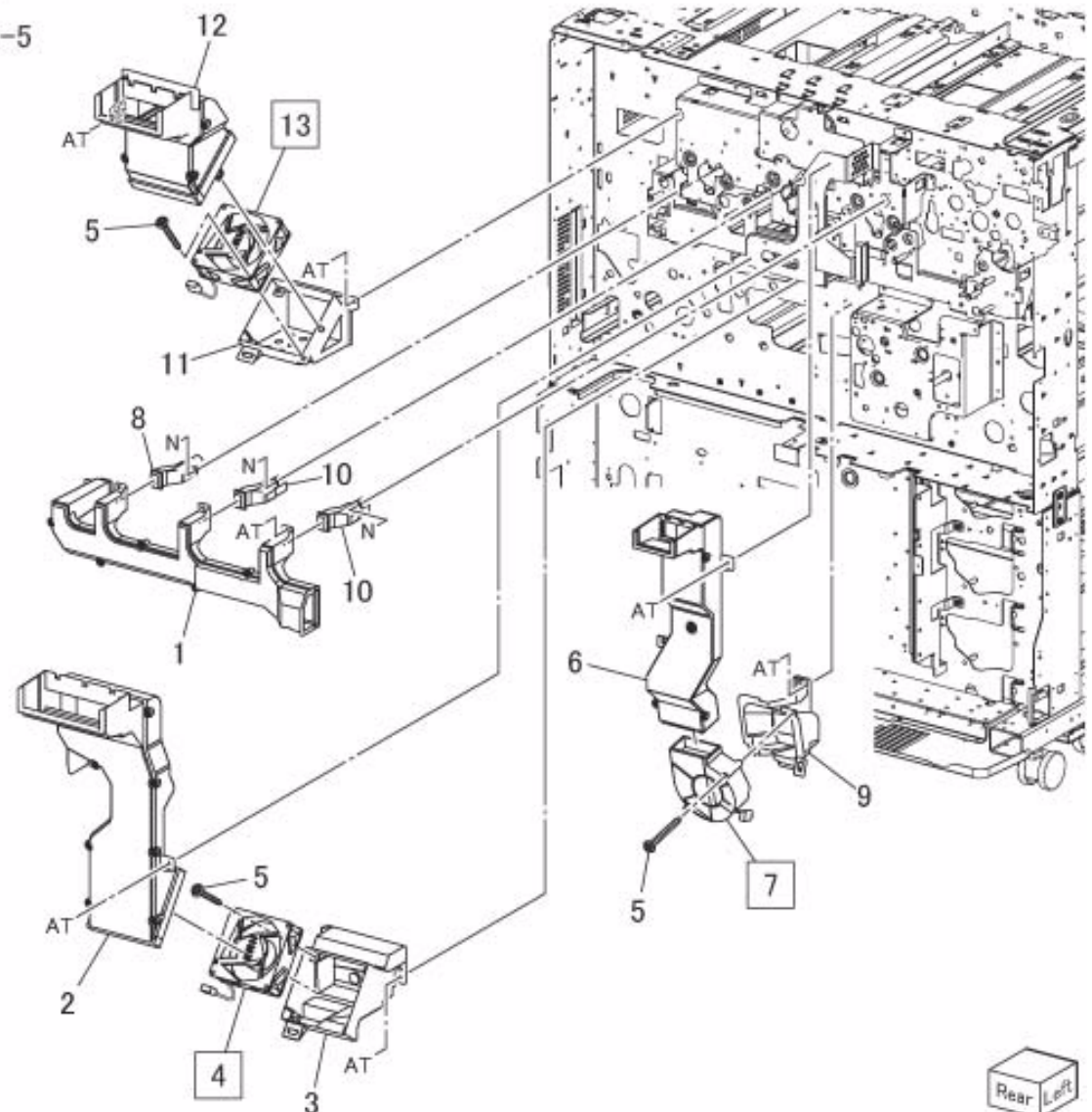
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PL 4.2 Air System (2 of 3)

Item	Parts No	Description	A.C.
1	054K 35800	Y/M/C Cooling Duct	33C1
2	054K 35700	Fusing Duct	33C2
3	-	Fusing Duct (P/O Item 14)33C3	
4	127K 45851	(SCC) Fusing Unit Exhaust Fan (REP 99.1.1)33C4	
5	-	Screw (P/O Item 14)	33C5
6	054K 35740	V-Transport Duct	33C6
7	127K 39571	(SCC) V-Transport Fan (REP 99.1.1)33C7	
8	054E 89311	Y Duct	33C8
9	-	V-Transport Duct	33C9
10	054E 36270	M/C Duct	33CB
11	054E 36330	Exit Duct	33CC
12	054K 35830	Exit Duct	33CD
13	127K 45851	(SCC) Exit Fan (REP 99.1.1)33CE	
14	054K 35730	Fusing Unit Exhaust Fan Assembly (Item 3-5)33CF	

PL 4.2

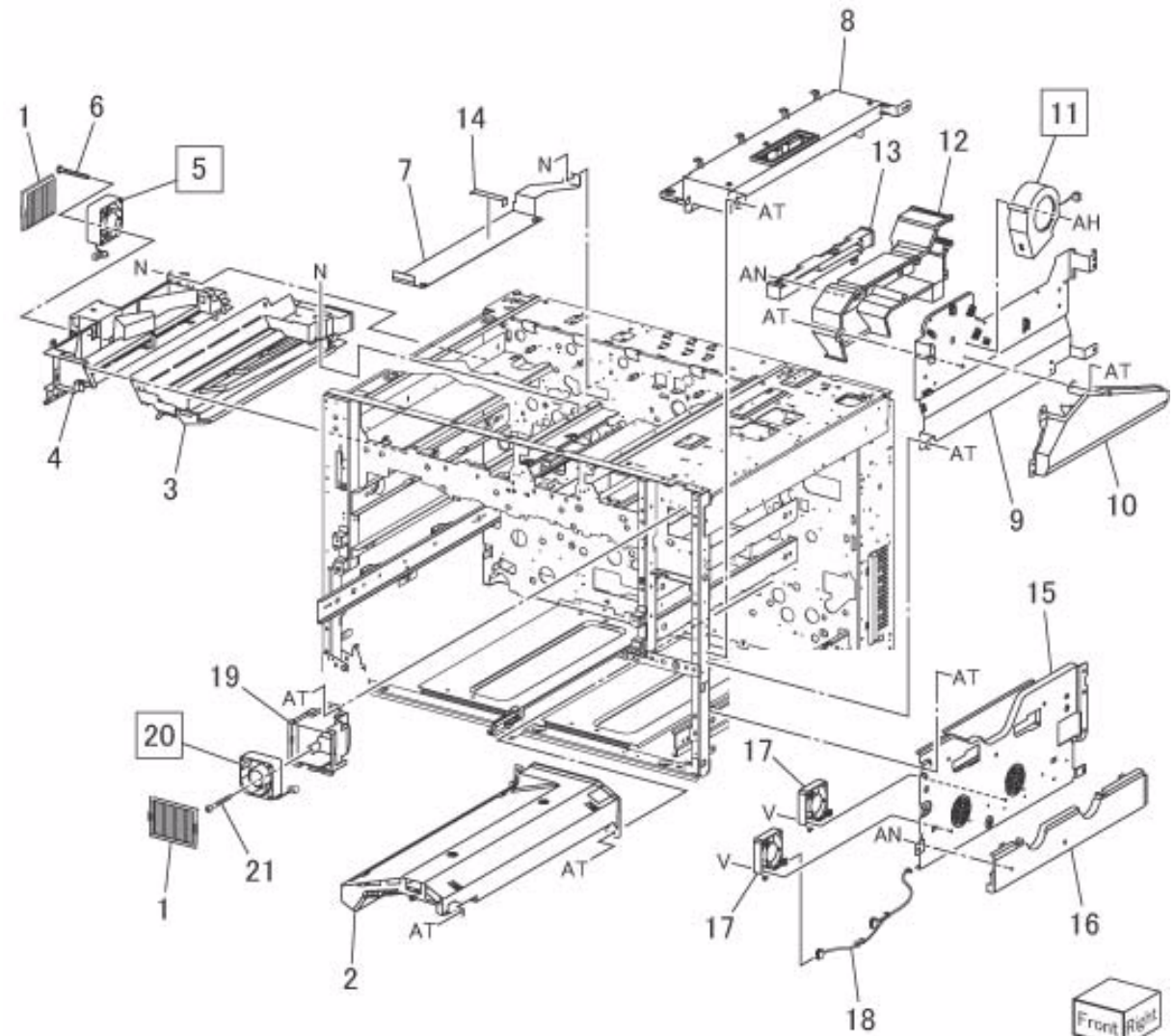
14 {3-5}



PL 4.3 Air System (3 of 3)

Item	Parts No	Description	A.C.
1	053K 91980	CC Filter	33D1
2	054K 35690	Fusing Upper Duct	33D2
3	054K 35750	CC Plate Duct	33D3
4	-	CC Left Duct	33D4
5	127K 39561	(SCC) CC Intake Fan(REP 99.1.1)33D5	
6	-	Screw	33D6
7	-	CC Seal	33D7
8	054K 35810	Exit Upper Duct	33D8
9	-	Bracket (P/O Item 22)	33D9
10	-	Exit Roll Duct (P/O Item 22)33DB	
11	127K 58130	(SCC) Exit Roll Fan (REP 99.1.1)33DC	
12	-	Exit Upper B Duct (P/O Item 22)33DD	
13	-	Side Duct (P/O Item 22)	33DE
14	-	EME Seal	33DF
15	-	Plate Assembly	33DG
16	-	Right Lower Cover	33DH
17	927W 00214	DUP Fan 1	33DJ
-	927W 00214	DUP Fan 2	33DJ
18	962K 61970	Wire Harness	33DK
19	-	Front Cooling Duct	33DL
20	127K 39561	(SCC) Front Fan(REP 99.1.1)33DM	
21	-	Screw	33DN
22	054K 35860	Exit Roll Fan Assembly (Item 9-13)33DP	

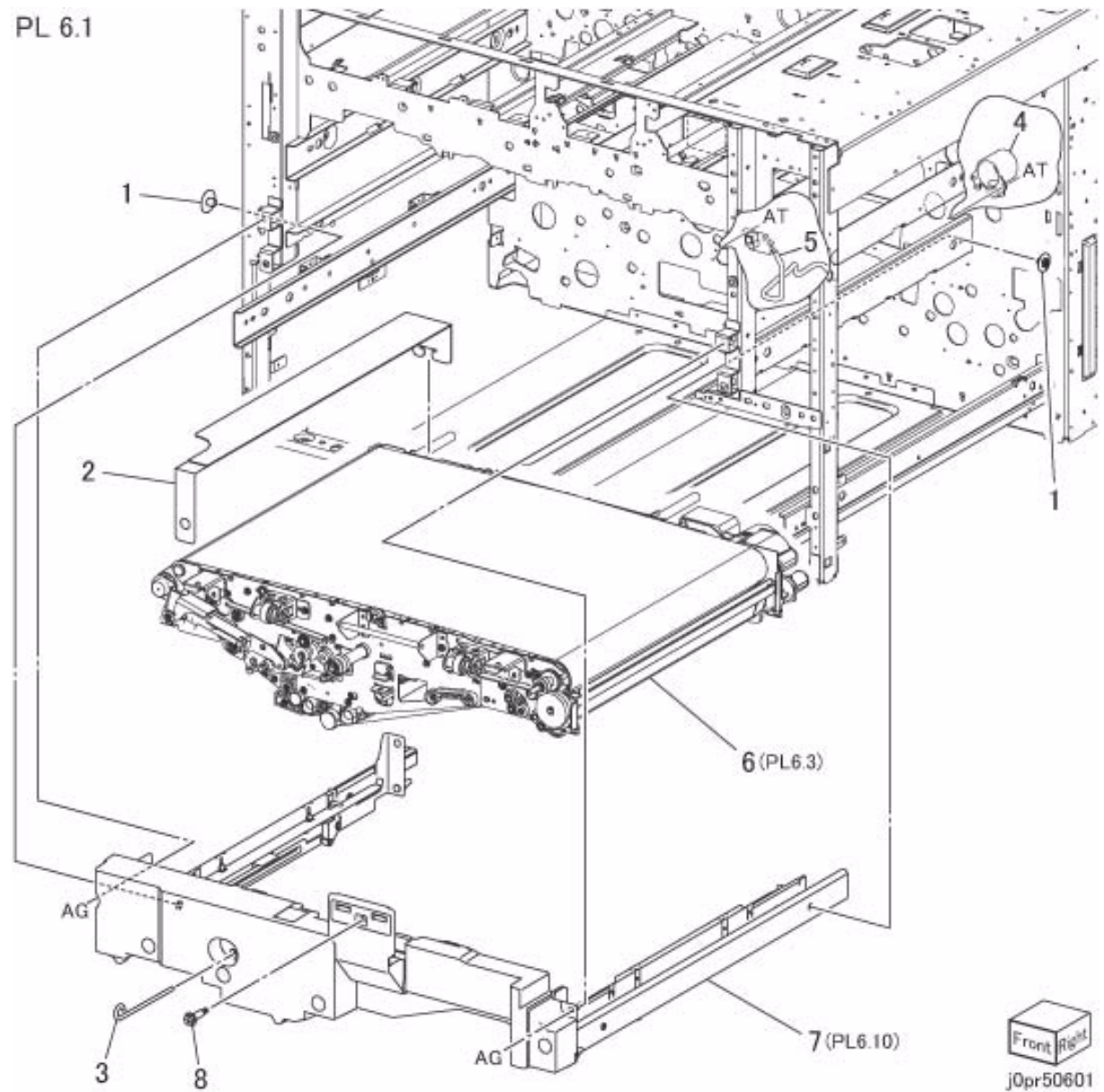
PL 4.3
22 {9-13



PL 6.1 IBT Unit (1 of 2)

Item	Parts No	Description	A.C.
1	826E 10681	Screw	41B1
2	004E 14100	Cushion	41B2
3	006E 79751	Shaft	41B3
4	—	Joint	41B4
5	114K 82330	Connector Assembly	41B5
6	—	IBT Belt Unit (PL 6.3)	41B6
7	—	IBT Drawer (PL 6.10)	41B7
8	—	Screw	41B8

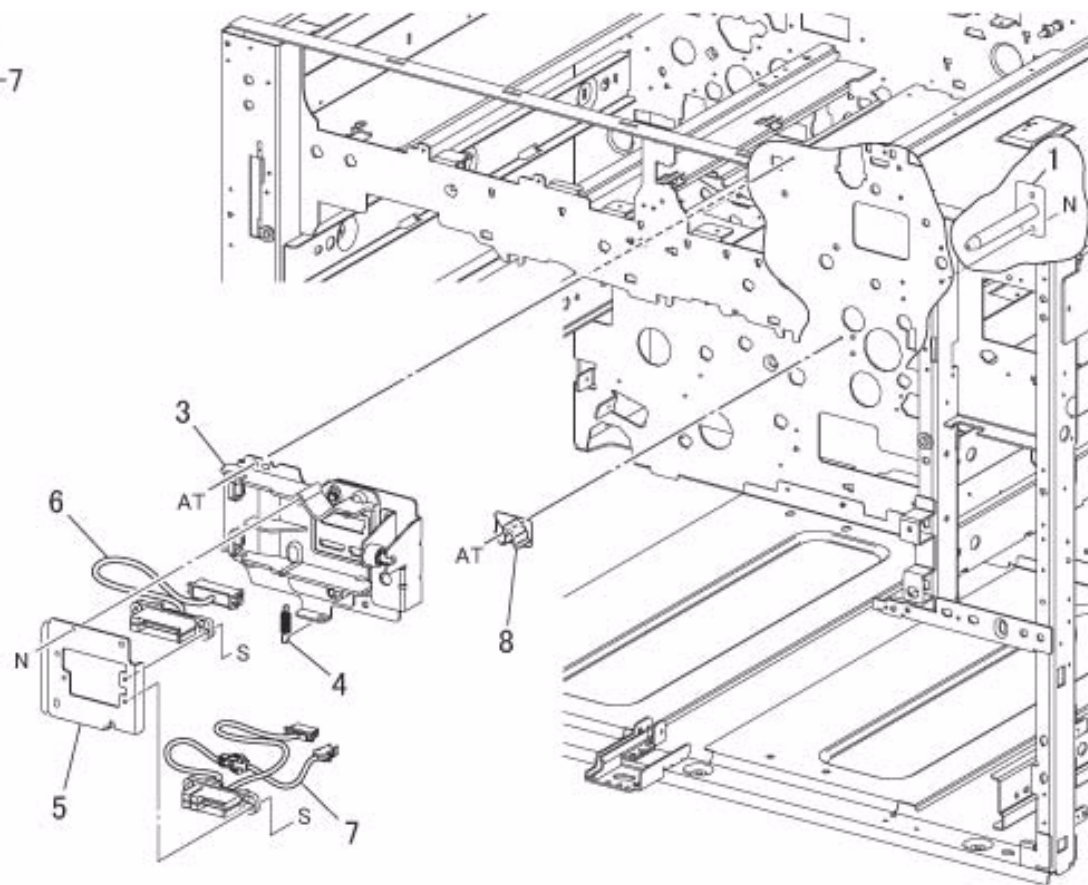
PL 6.1



PL 6.2 IBT Unit (2 of 2)

Item	Parts No	Description	A.C.
1	030K 76561	Bracket Assembly	41C1
2	114K 82051	Connector Assembly (Item 3-7)	41C2
3	030K 75951	Bracket Assembly	41C3
4	-	Spring (P/O Item 2)	41C4
5	-	Bracket (P/O Item 2)	41C5
6	962K 23781	Wire Harness	41C6
7	962K 23800	Wire Harness	41C7
8	-	Block	41C8

PL 6.2
2 {3-7



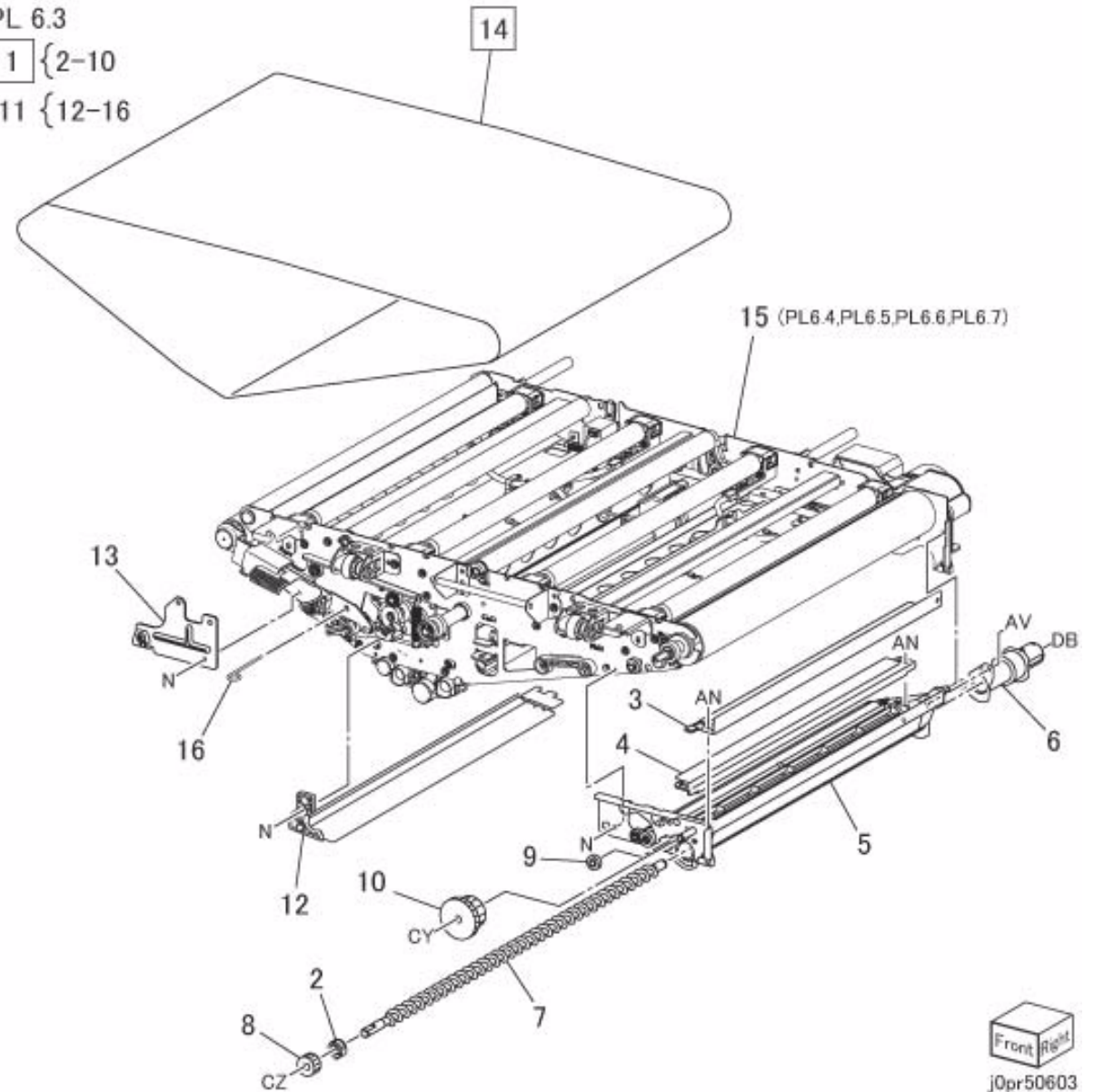
PL 6.3 IBT Belt Unit

Item	Parts No	Description	A.C.
1	042K 94560	IBT Belt Cleaner Assembly (Item 2-10)(REP 6.3.2) 41D1	
2	-	Bearing (P/O Item 1)	41D2
3	-	Plate (P/O Item 1)	41D3
4	033K 98590	Blade	41D4
5	-	Cleaner Housing (P/O Item 1)41D5	
6	-	Cleaner Cover (P/O Item 1)41D6	
7	059K 33470	Auger	41D7
8	-	Auger Gear (P/O Item 1)	41D8
9	807E 03670	Gear	41D9
10	-	Gear (P/O Item 1)	41DB
11	604K 80210	IBT Belt Kit (Item 12-16)	41DC
12	815K 04560	Inlet	41DD
13	-	Support Assembly (P/O Item 11)41DE	
14	675K 72180	IBT Belt (REP 6.3.3)	41DF
15	-	IBT Frame Assembly (P/O Item 11)(PL 6.4, PL 6.5, PL 6.6, PL 6.7)41DG	
16	-	Pin (P/O Item 11)	41DH

PL 6.3

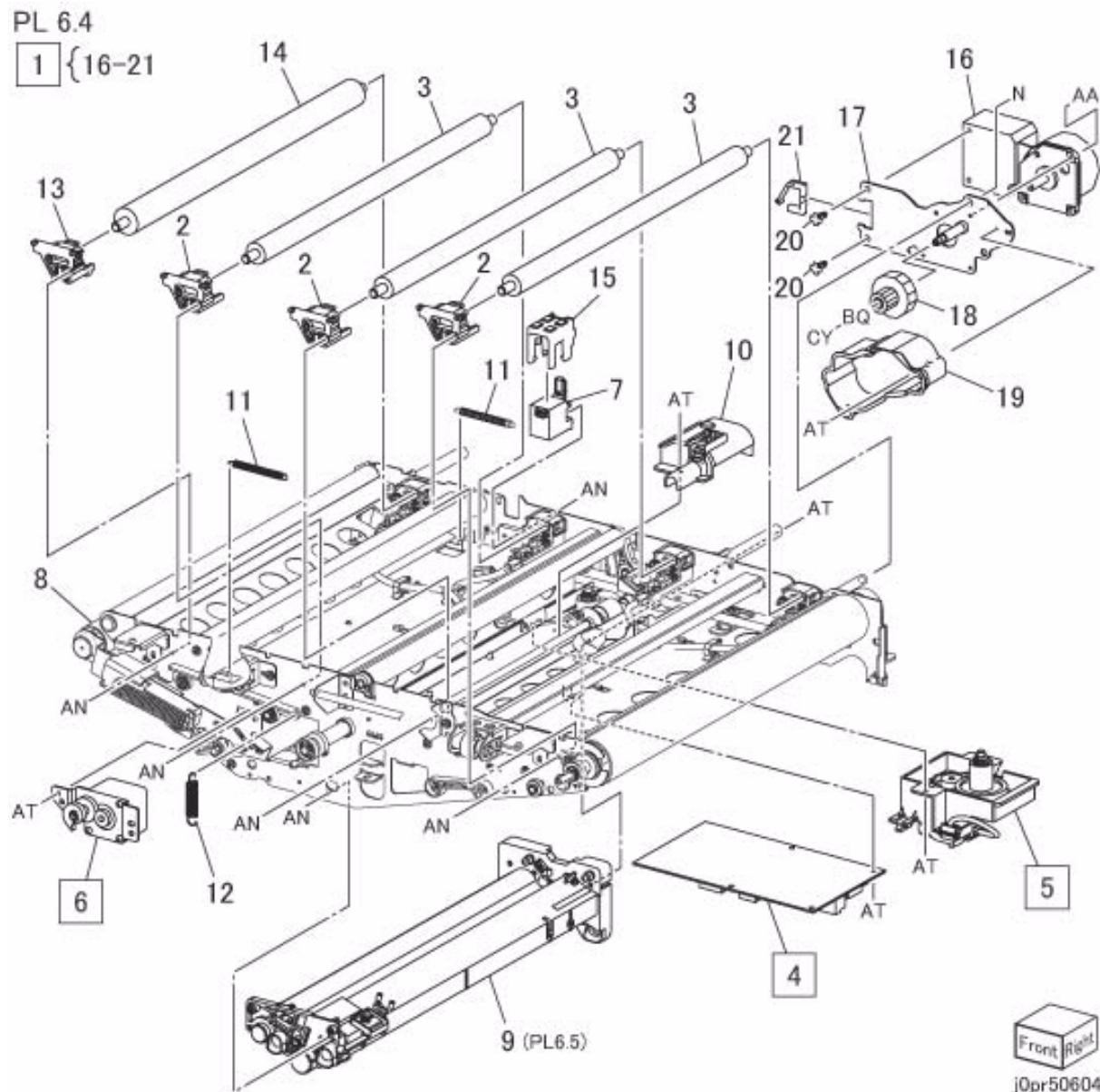
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PL 6.4 IBT Frame Assembly (1 of 4)

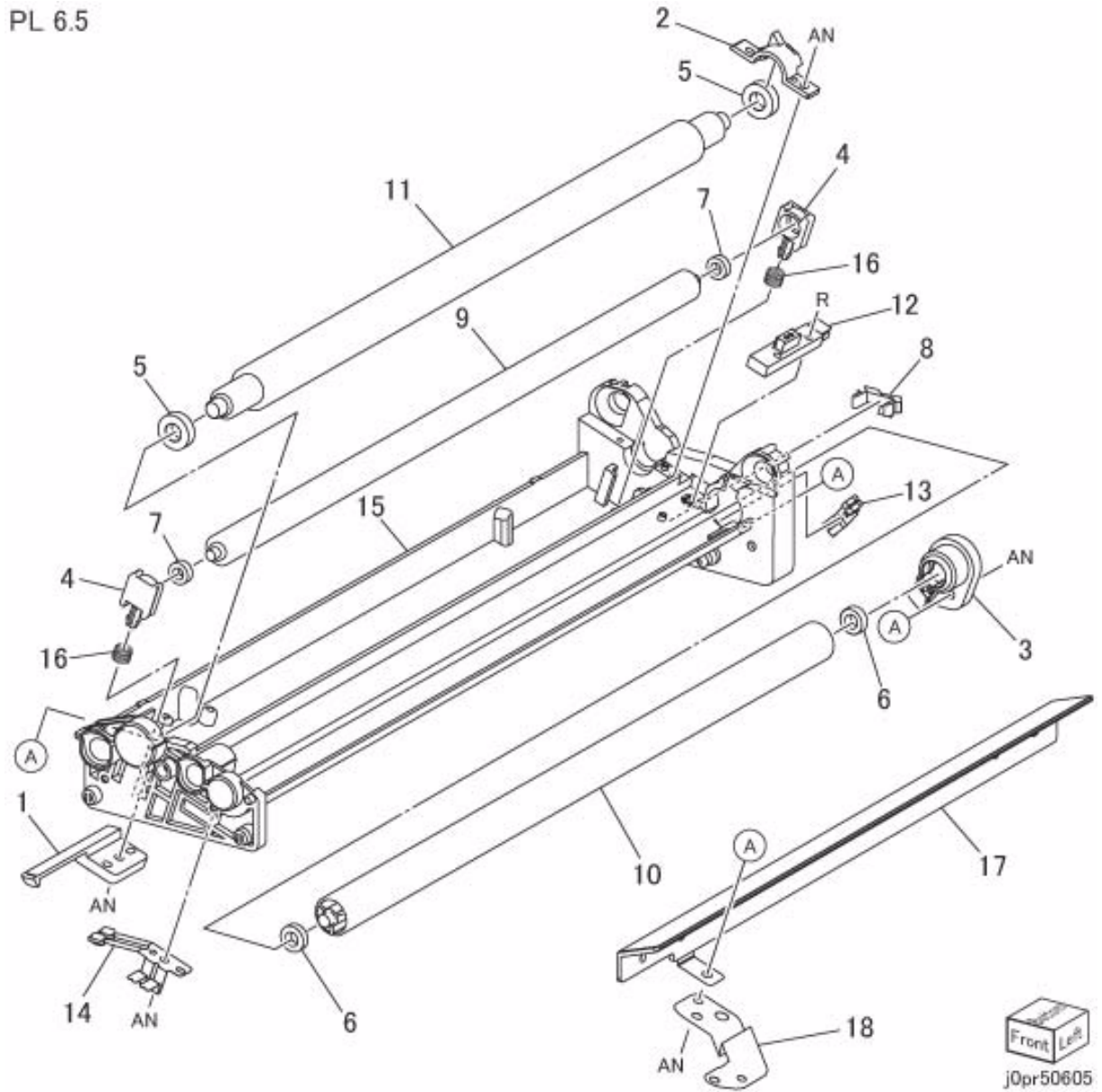
Item	Parts No	Description	A.C.
1	007K 87835	(SCC) IBT Drive Motor Assembly (Item 16-21)(REP 99.1.1)41E1	
2	019K 98884	BTR Holder Assembly (Y,M,C)41E2	
3	059K 79200	1ST BTR Roll (Y,M,C)	41E3
4	105E 19850	(SCC) HVPS CD02(REP 99.1.1)41E4	
5	127K 39100	(SCC) 1ST BTR Retract Motor (REP 99.1.1)41E5	
6	127K 39120	(SCC) IBT Steering Motor (REP 99.1.1)41E6	
7	130K 60830	IBT Belt Edge Sensor Assembly	41E7
8	-	Frame Assembly	41E8
9	848K 50280	BUR Housing Assembly (PL 6.5)41E9	
10	802K 59470	1ST BTR Contact/Retract Sensor Cover Assembly	41EB
11	809E 52210	Spring	41EC
12	809E 52220	Spring	41ED
13	019K 09462	BTR Holder Assembly (K)41EE	
14	059K 79210	1ST BTR Roll (K)	41EF
15	848E 30360	Sensor Cover	41EG
16	-	IBT Drive Motor (P/O Item 1)41EH	
17	015K 59133	Plate Assembly	41EJ
18	-	Gear Assembly (P/O Item 1)41EK	
19	-	Cover (P/O Item 1)	41EL
20	-	PWB Support (P/O Item 1)41EM	
21	-	Clamp (P/O Item 1)	41EN



PL 6.5 IBT Frame Assembly (2 of 4)

Item	Parts No	Description	A.C.
1	-	Stopper (Front)	41F1
2	-	Stopper (Rear)	41F2
3	-	Collar	41F3
4	-	Collar	41F4
5	-	Ball Bearing (8X16)	41F5
6	-	Sleeve Bearing (6X12)	41F6
7	-	Ball Bearing (5X10)	41F7
8	-	Clamp	41F8
9	059E 99540	Contact Roll	41F9
10	059K 32510	Idler Roll	41FB
11	059K 71530	Backup Roll	41FC
12	130E 84270	IBT Belt Home Sensor	41FD
13	-	Pre Conductor	41FE
14	-	Conductor Assembly	41FF
15	-	BUR Housing	41FG
16	809E 55901	Spring	41FH
17	019K 08310	Bias Housing	41FJ
18	130E 89970	Conductor	41FK

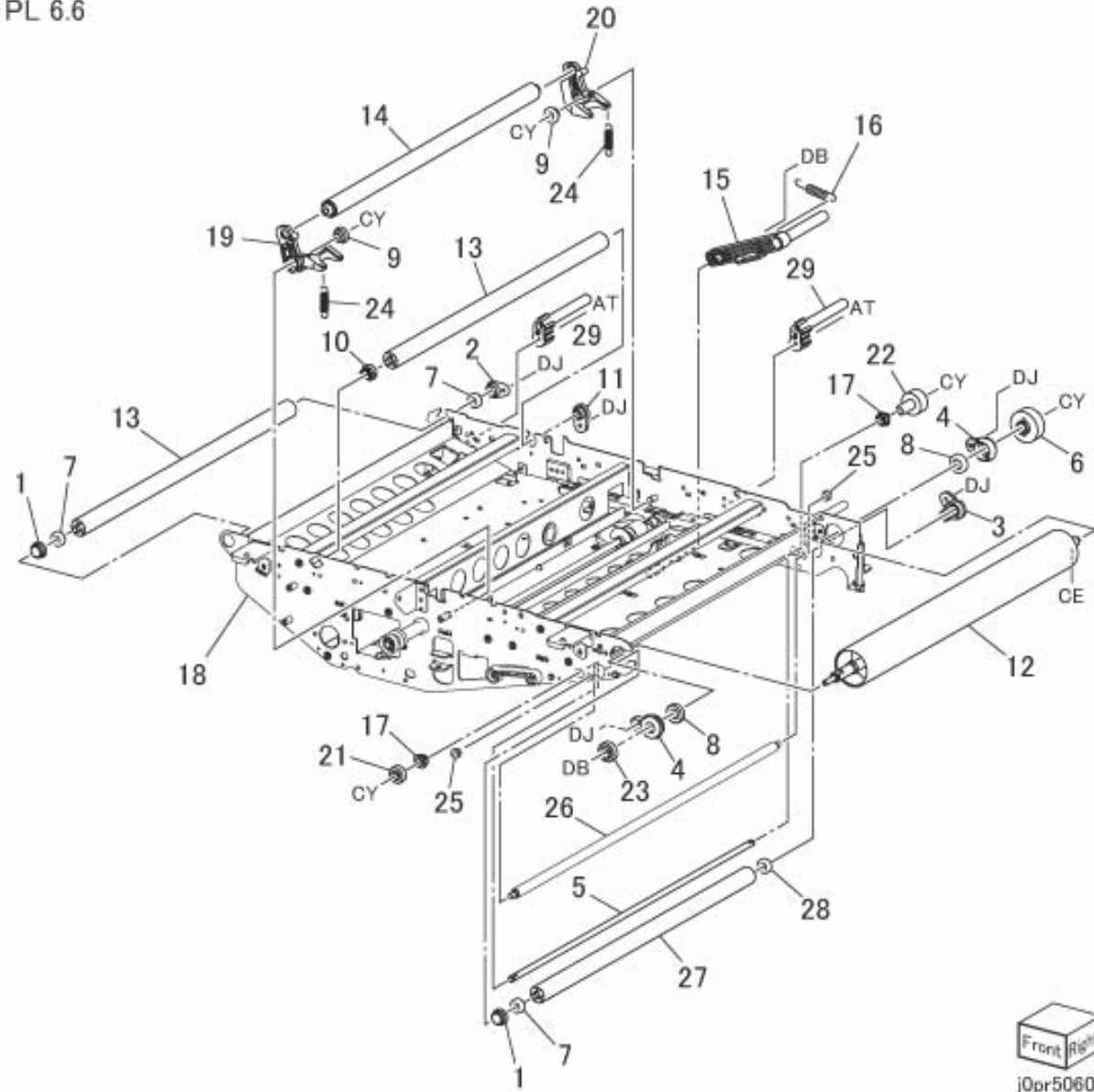
PL 6.5



PL 6.6 IBT Frame Assembly (3 of 4)

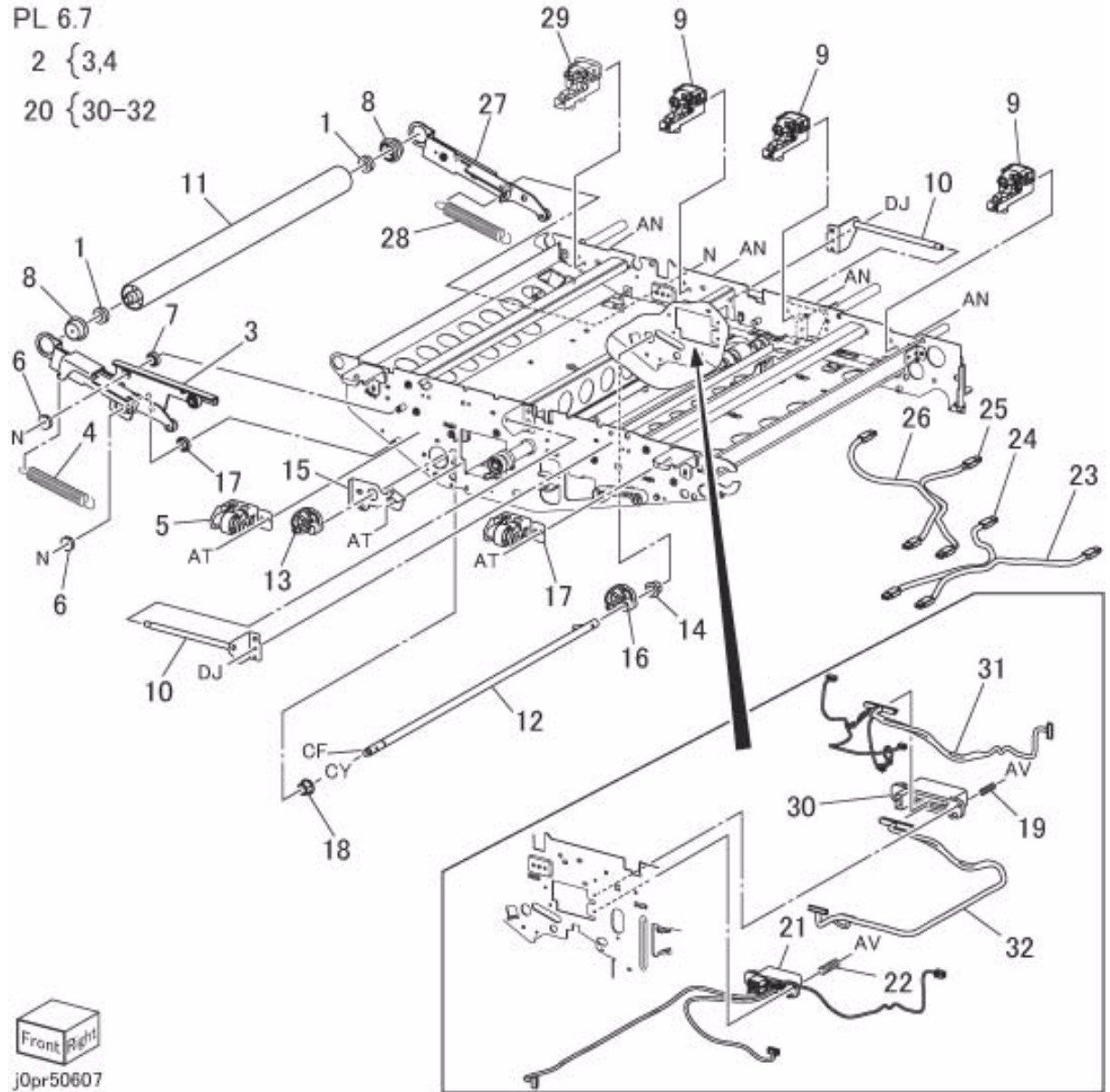
Item	Parts No	Description	A.C.
1	005E 18450	Collar	41G1
2	005E 18460	Collar	41G2
3	005E 18471	Collar	41G3
4	005E 18490	Collar	41G4
5	006E 79720	Shaft	41G5
6	007E 76180	Drive Gear	41G6
7	413W 93250	Ball Bearing (6X12)	41G7
8	013E 25410	Ball Bearing (10X19)	41G8
9	013E 25450	Bearing	41G9
10	013E 25860	Bearing (Front)	41GB
11	013E 25870	Bearing (Rear)	41GC
12	059K 32501	Drive Roll	41GD
13	059K 32510	Idler Roll	41GE
14	059K 32791	Retract Roll Assembly	41GF
15	003E 60770	Latch	41GG
16	-	Spring	41GH
17	-	Sleeve Bearing	41GJ
18	-	IBT Frame	41GK
19	802K 63610	Front Housing	41GL
20	802K 63620	Rear Housing	41GM
21	807E 01710	Gear (Front)	41GN
22	807E 01720	Gear (Rear)	41GP
23	807E 01730	Drive Gear	41GQ
24	809E 52190	Spring	41GR
25	-	Bearing	41GS
26	-	Brush Roll	41GT
27	-	Cleaner Roll	41GV
28	413W 91250	Ball Bearing (8X16)	41GW
29	003E 60760	Latch	41GX

PL 6.6



PL 6.7 IBT Frame Assembly (4 of 4)

Item	Parts No	Description	A.C.
1	413W 91250	Ball Bearing (8X16)	41J1
2	015K 63982	Tension Plate Assembly (Item 3,4)	41J2
3	-	Tension Plate (P/O Item 2)	41J3
4	809E 52180	Tension Spring	41J4
5	016E 93440	Bush (Inner)	41J5
6	016E 93450	Bush (Outer)	41J6
7	016E 93490	Bush (Inner)	41J7
8	019E 57341	Holder	41J8
9	019K 99043	Holder Assembly (Y,M,C)	41J9
10	-	Bracket Assembly	41JB
11	059K 32520	Tstrg Roll	41JC
12	-	Shaft	41JD
13	-	Cam	41JE
14	013E 25470	Bearing	41JF
15	-	Cam Plate	41JG
16	-	Tension Cam	41JH
17	010K 03631	Slider	41JJ
18	013E 25470	Bearing	41JK
19	809E 52180	Spring	41JL
20	962K 23770	Wire Harness (IBT1) (Item 30-32)	41JM
21	962K 23790	Wire Harness (IBT2)	41JN
22	809E 52190	Spring	41JP
23	962K 22570	Wire Harness (BTR, Y)	41JQ
24	962K 22580	Wire Harness (BTR, M)	41JR
25	962K 22591	Wire Harness (BTR, C)	41JS
26	962K 22601	Wire Harness (BTR, K)	41JT
27	-	Tension Plate	41JV
28	809E 52180	Tension Spring	41JW
29	019K 09452	Holder Assembly (K)	41JX
30	913W 12114	Connector Housing	41K1
31	-	Wire Harness (P/O Item 20)	41K2
32	-	Wire Harness (P/O Item 20)	41K3



PL 6.8 2ND BTR Roll Assembly (1 of 2)

Item	Parts No	Description	A.C.
1	-	Seal (P/O Item 33)	41L1
2	-	Indicator (P/O Item 33)	41L2
3	-	Gear Cover	41L3
4	-	Wire Saddle	41L4
5	054K 35471	Inlet Chute Assembly	41L5
6	-	Sensor Cover	41L6
7	-	Sensor Bracket (P/O Item 34)	41L7
8	930W 00111	2ND BTR N/R Sensor	41L8
9	-	Front Plate	41L9
10	809E 55230	Spring	41LB
11	-	Inlet Resistor	41LC
12	-	Arm Plate (Front)	41LD
13	-	Contact Arm	41LE
14	-	Drive Gear	41LF
15	-	Arm Plate (Rear)	41LG
16	-	Contact Arm	41LH
17	-	Shaft	41LJ
18	-	Retract Cam (P/O Item 31)	41LK
19	413W 11660	Sleeve Bearing	41LL
20	-	Pin (P/O Item 31)	41LM
21	-	Cam Shaft (P/O Item 31)	41LN
22	807E 08610	Retract Gear	41LP
23	-	Chute Guide (P/O Item 32)	41LQ
24	130E 88770	Post 2ND BTR Sensor	41LR
25	-	Exit Support Assembly (P/O Item 32)	41LS
26	-	Wire Harness	41LT
27	-	Harness Guide	41LV
28	-	Exit Plate	41LW
29	103K 81250	Exit Resistor	41LX
30	-	2ND BTR Housing Assembly (PL 6.9)	41M1
31	008K 91930	Retract Cam Assembly (Item 18-22)	41M2
32	054K 35461	Exit Chute Assembly (Item 23-25)	41M3
33	123K 96690	Indicator Assembly (Item 1,2)	41M4
34	130K 87790	Retract Sensor Assembly (Item 7,8)	41M5

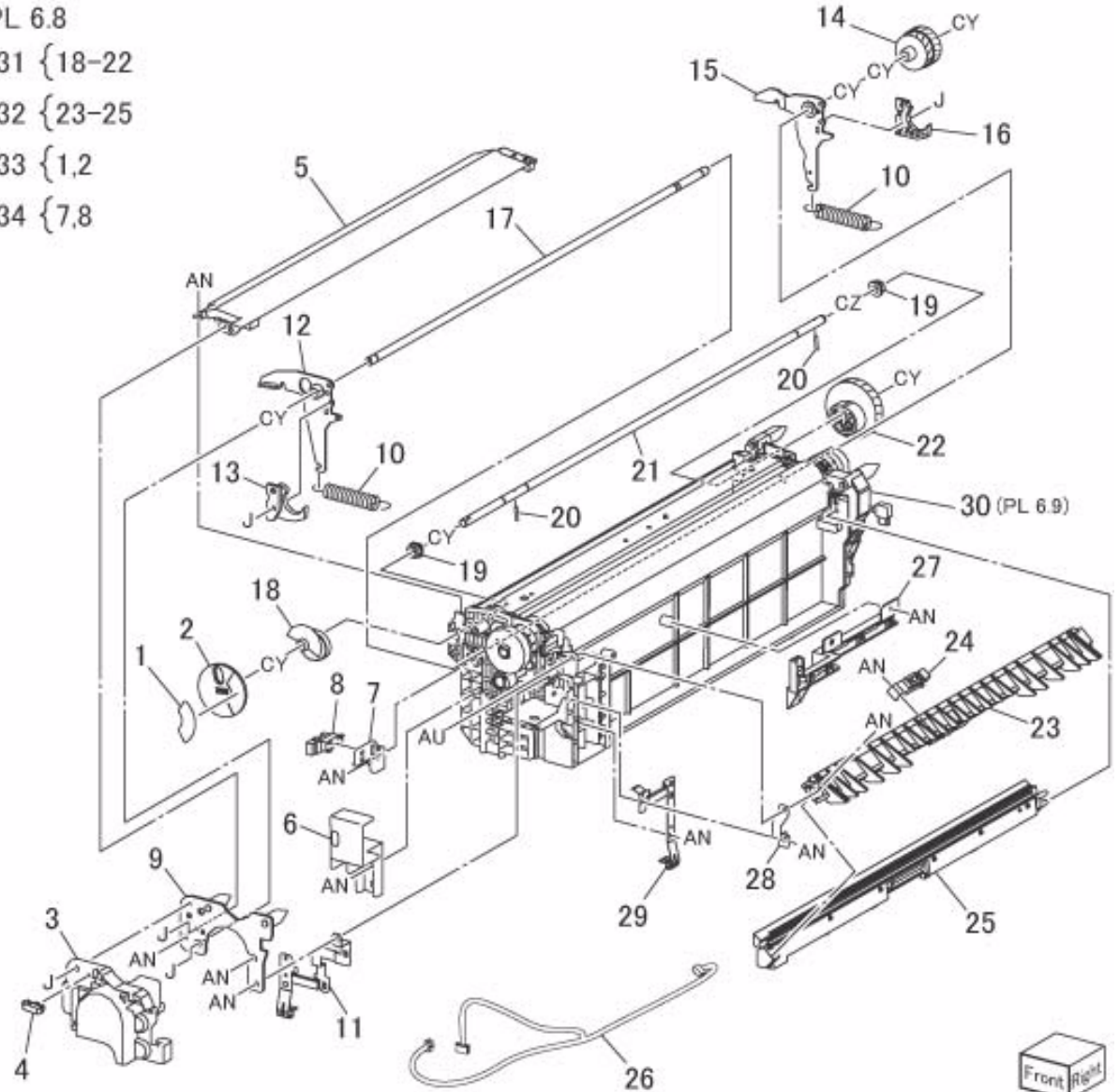
PL 6.8

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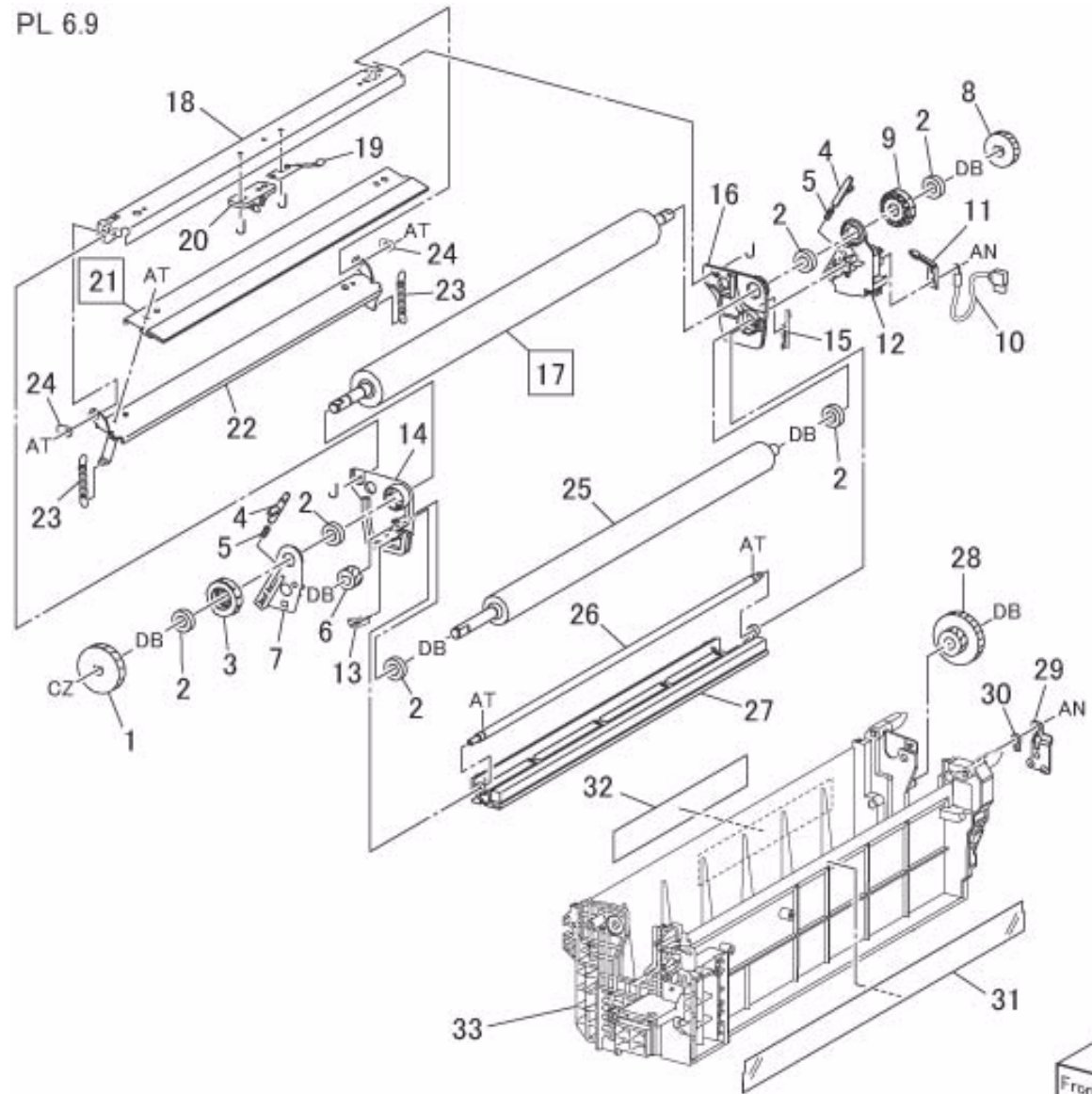
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PL 6.9 2ND BTR Roll Assembly (2 of 2)

Item	Parts No	Description	A.C.
1	—	Helical Gear	41N1
2	413W 91250	Ball Bearing (8x16)	41N2
3	—	BTR Cam	41N3
4	—	BTR Wedge	41N4
5	—	Wedge Spring	41N5
6	—	Helical Gear	41N6
7	—	Roll Cover	41N7
8	807E 03600	Roll Gear	41N8
9	—	BTR Cam	41N9
10	—	Wire Harness	41NB
11	130K 69500	Conductor	41NC
12	—	Roll Cover	41ND
13	—	Conductor (Front)	41NE
14	—	Roll Holder	41NF
15	—	Conductor (Rear)	41NG
16	—	Roll Holder	41NH
17	059K 46251	2ND BTR Roll (REP 6.9.1)	41NJ
18	—	Holder Plate Assembly	41NK
19	—	Conductor Plate	41NL
20	—	Shaft Guide	41NM
21	033K 96880	Cleaning Blade (REP 6.9.2)	41NN
22	—	Blade Bracket Assembly	41NP
23	—	Blade Spring	41NQ
24	—	Bearing	41NR
25	042K 93491	BTR Brush Assembly	41NS
26	—	Flicker Shaft	41NT
27	—	Bracket Assembly	41NV
28	—	Idler Gear	41NW
29	—	Chute Bracket	41NX
30	—	Adjust Lever	41P1
31	—	Roll Seal	41P2
32	—	Warning Label	41P3
33	—	BTR Housing	41P4

PL 6.9



Front Right
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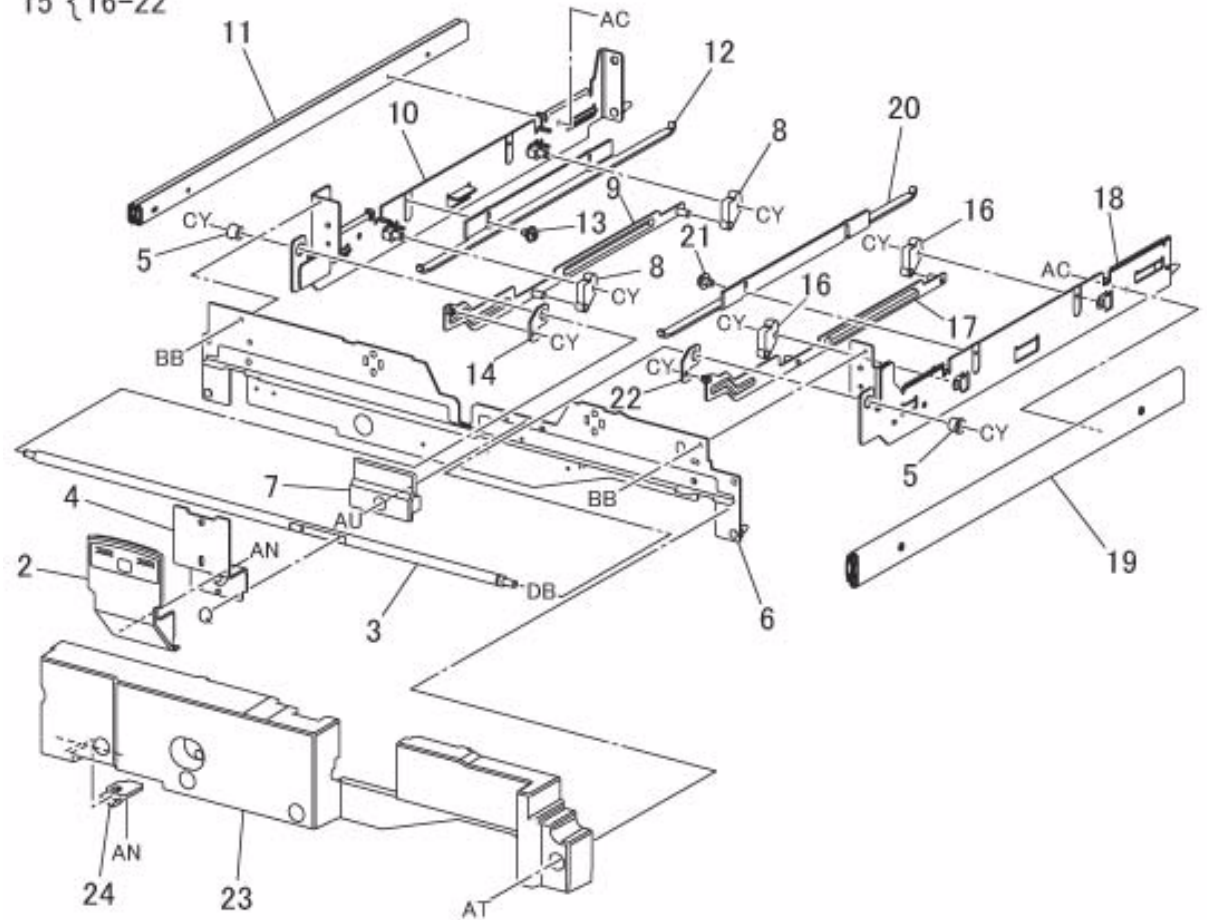
PL 6.10 IBT Drawer

Item	Parts No	Description	A.C.
1	003K 13470	Handle Assembly (Item 2-4)41Q1	
2	-	Handle (P/O Item 1)	41Q2
3	806E 04460	Shaft	41Q3
4	-	Plate (P/O Item 1)	41Q4
5	013E 26310	Bearing	41Q5
6	-	Front Frame	41Q6
7	802E 63890	Cover	41Q7
8	-	Cam	41Q8
9	012K 94540	Link	41Q9
10	-	Frame Assembly	41QB
11	801K 14911	Left Rail	41QC
12	-	Plate Spring	41QD
13	-	Shoulder Screw	41QE
14	-	Plate	41QF
15	050K 50480	Right Rail Assembly (Item 16-22)41QG	
16	-	Cam (P/O Item 15)	41QH
17	012K 94550	Link	41QJ
18	-	Frame Assembly (P/O Item 15)41QK	
19	801K 14921	Right Rail	41QL
20	-	Plate Spring (P/O Item 15)41QM	
21	-	Shoulder Screw (P/O Item 15)41QN	
22	-	Plate (P/O Item 15)	41QP
23	802E 63884	Inner Cover	41QQ
24	-	Stopper	41QR

PL 6.10

1 {2-4

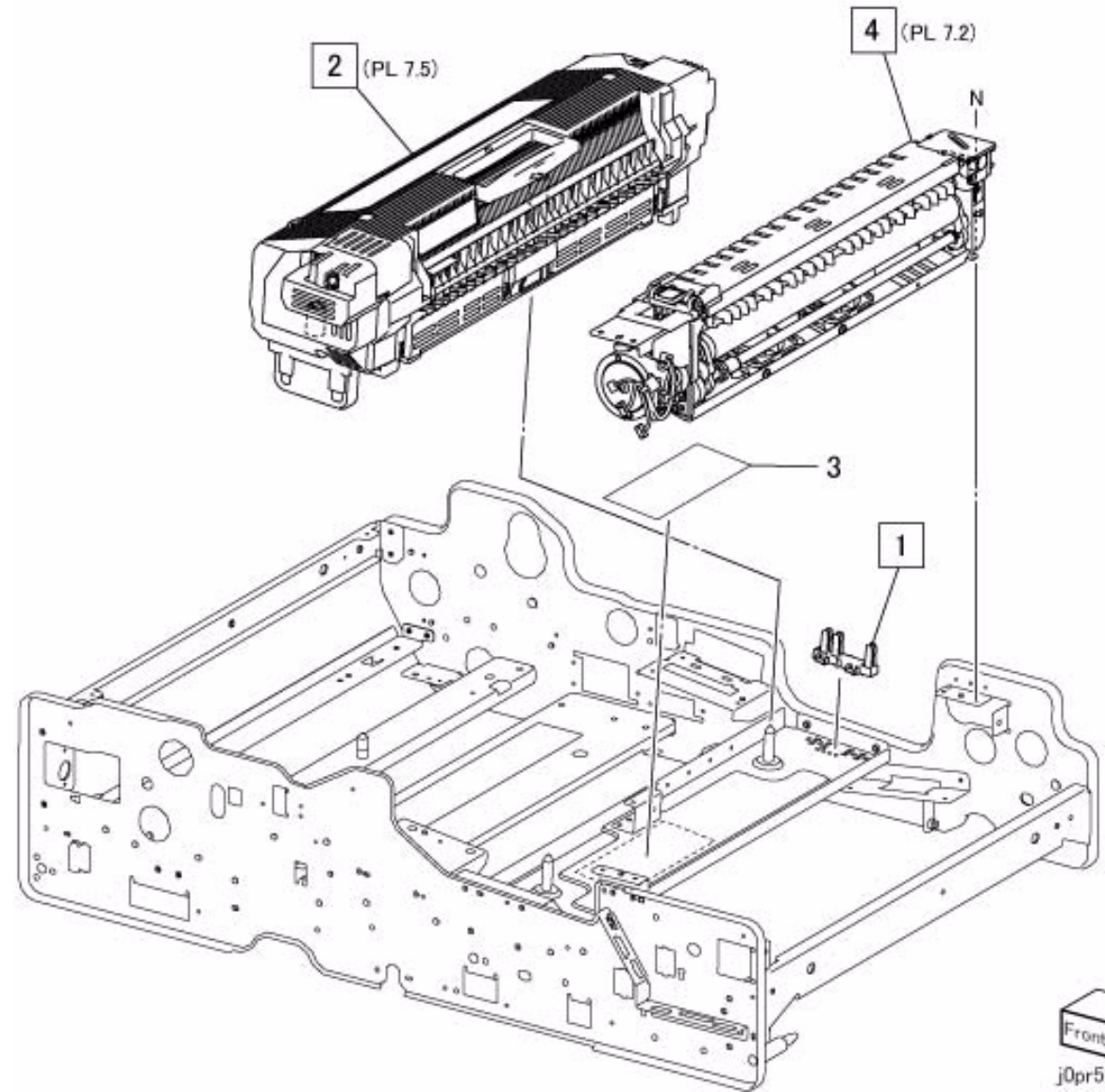
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PL 7.1 Fusing Unit,Decurler Transport Assembly

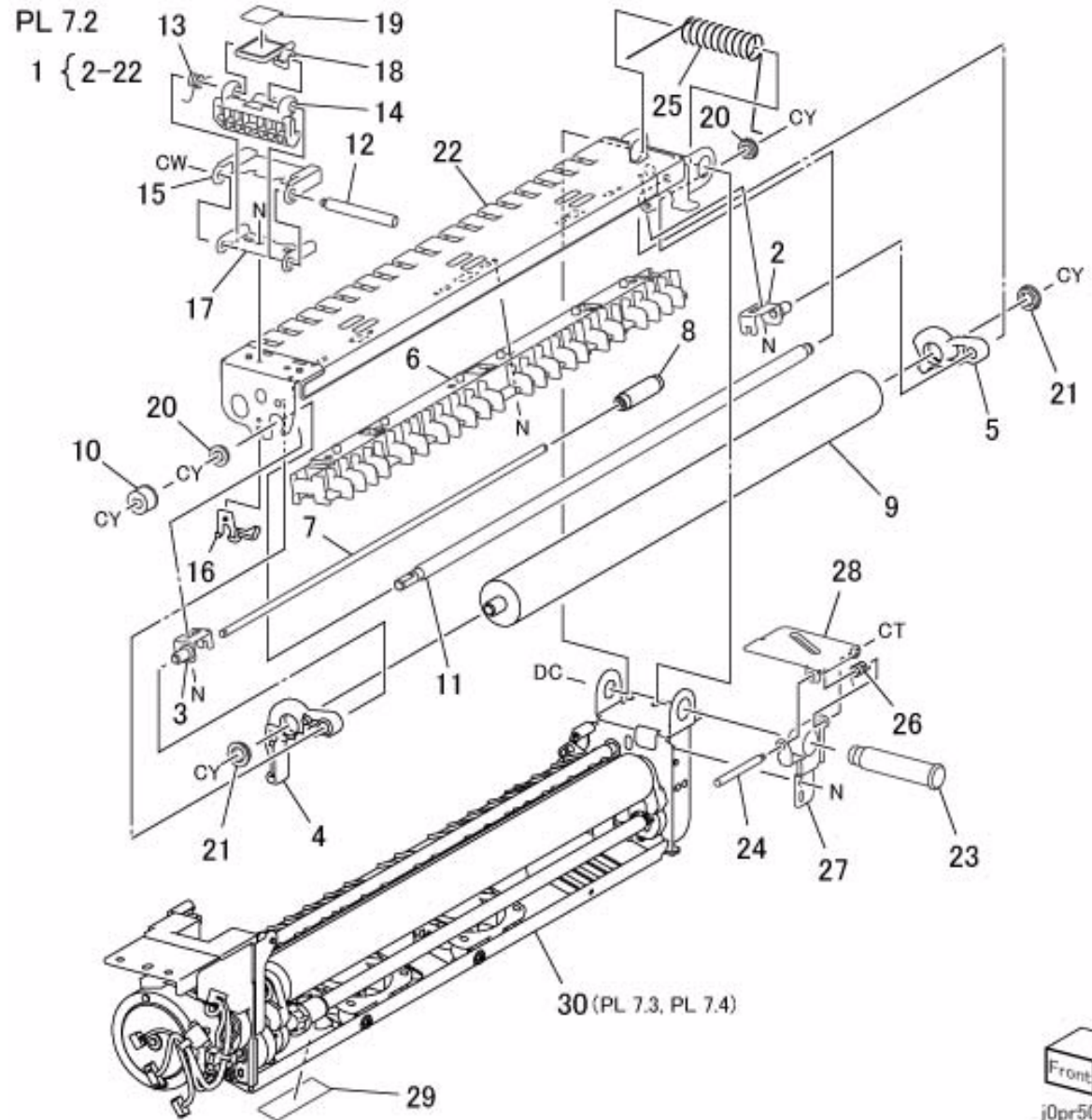
Item	Parts No	Description	A.C.
1	014E 70630	Block (REP 7.1.1)	43B1
2	126K 31570	(SCC) Fusing Unit (200V) (PL 7.5) (REP 7.1.2, REP 99.1.1)43AA	
-	126K 31560	(SCC) Fusing Unit (220V) (PL 7.5) (REP 7.1.2, REP 99.1.1)43AA	
3	-	Label	43B2
4	059K 79260	Decurler Transport Assembly (PL 7.2) (REP 7.1.3)	43B3

PL 7.1



PL 7.2 Decurler Transport Assembly

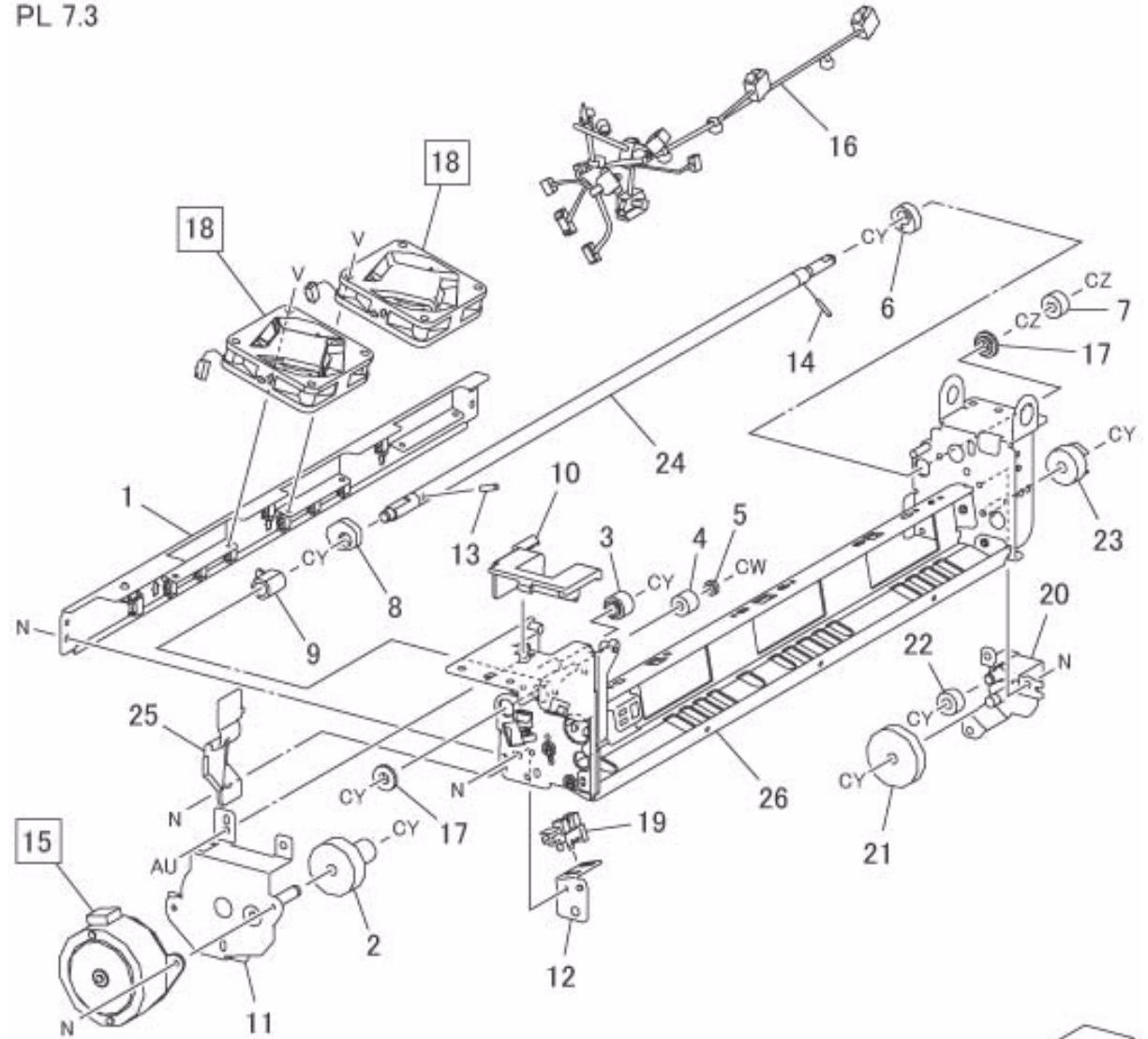
Item	Parts No	Description	A.C.
1	059K 79270	Upper Transport Assembly (Item 2-22)43C1	
2	-	Rear Pivot Bracket Assembly (P/O Item 1)43C2	
3	-	Front Pivot Bracket Assembly (P/O Item 1)43C3	
4	011E 26960	Upper Lever	43C4
5	011E 26970	Rear Upper Lever	43C5
6	-	Up Chute (P/O Item 1)	43C6
7	-	Support Shaft (P/O Item 1)43C7	
8	059K 62550	Back Up Roll	43C8
9	059K 56451	Pene Roll	43C9
10	807E 23750	Pene Gear	43CB
11	-	Shaft Assembly (P/O Item 1)43CC	
12	-	Knob Shaft (P/O Item 1)	43CD
13	-	Spring (P/O Item 1)	43CE
14	-	Decurler Latch (P/O Item 1)43CF	
15	-	Upper Decurler Cover (P/O Item 1)43CG	
16	-	Up Front Cover (P/O Item 1)43CH	
17	-	Knob Bracket (P/O Item 1)43CJ	
18	-	Decurler Knob (P/O Item 1)43CK	
19	-	Knob Label (P/O Item 1)	43CL
20	413W 93350	Bearing	43CM
21	413W 96950	Bearing	43CN
22	-	Upper Plate Assembly (P/O Item 1)43CP	
23	-	Hinge Shaft	43CQ
24	-	Stopper Shaft	43CR
25	809E 80840	Spring	43CS
26	809E 81420	Stopper Spring	43CT
27	-	Stopper Bracket	43CV
28	-	Stopper Bracket	43CW
29	-	Label	43CX
30	059K 79280	Lower Transport Assembly (PL 7.3, PL 7.4)43D1	



PL 7.3 Lower Transport Assembly (1 of 2)

Item	Parts No	Description	A.C.
1	–	Lower Plate	43E1
2	807E 23810	Gear (15T/35T)	43E2
3	807E 23770	Idle Gear (13T)	43E3
4	807E 23780	Idle Gear (11T)	43E4
5	–	Idler Collar	43E5
6	–	Rear Down Cam	43E6
7	807E 23792	Gear (14T)	43E7
8	–	Front Down Cam	43E8
9	120E 30190	Cam Actuator	43E9
10	–	Front Cover	43EB
11	–	Front Bracket	43EC
12	–	Sensor Bracket	43ED
13	–	Pin	43EE
14	–	Pin	43EF
15	127K 23830	(SCC) Decurler PENE Down Motor (REP 99.1.1) 43EG	
16	962K 61810	Wire Harness	43EH
17	413W 75659	Bearing	43EJ
18	927W 00215	(SCC) Decurler Roll Fan 1 (REP 99.1.1)43EK	
–	927W 00215	(SCC) Decurler Roll Fan 2 (REP 99.1.1)43EK	
19	930W 00111	PENE Up Sensor	43EL
20	–	Bracket Assembly Rear	43EM
21	807E 23822	Gear (15T/39T)	43EN
22	807E 23832	Idle Gear (14T)	43EP
23	807E 23842	Coup Gear (23T)	43EQ
24	–	Shaft	43ER
25	–	Harness Cover	43ES
26	–	Frame Assembly	43ET

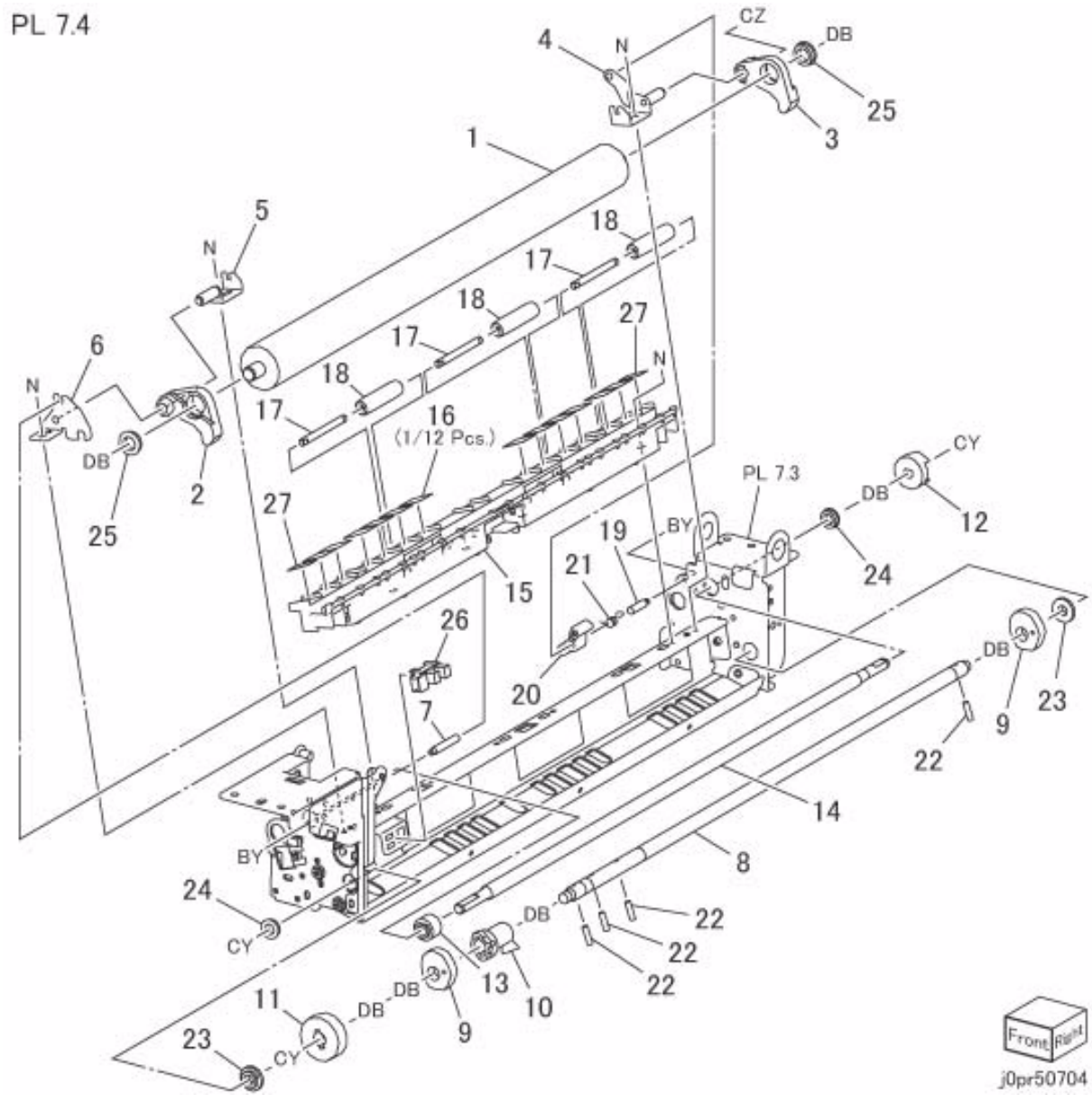
PL 7.3



PL 7.4 Lower Transport Assembly (2 of 2)

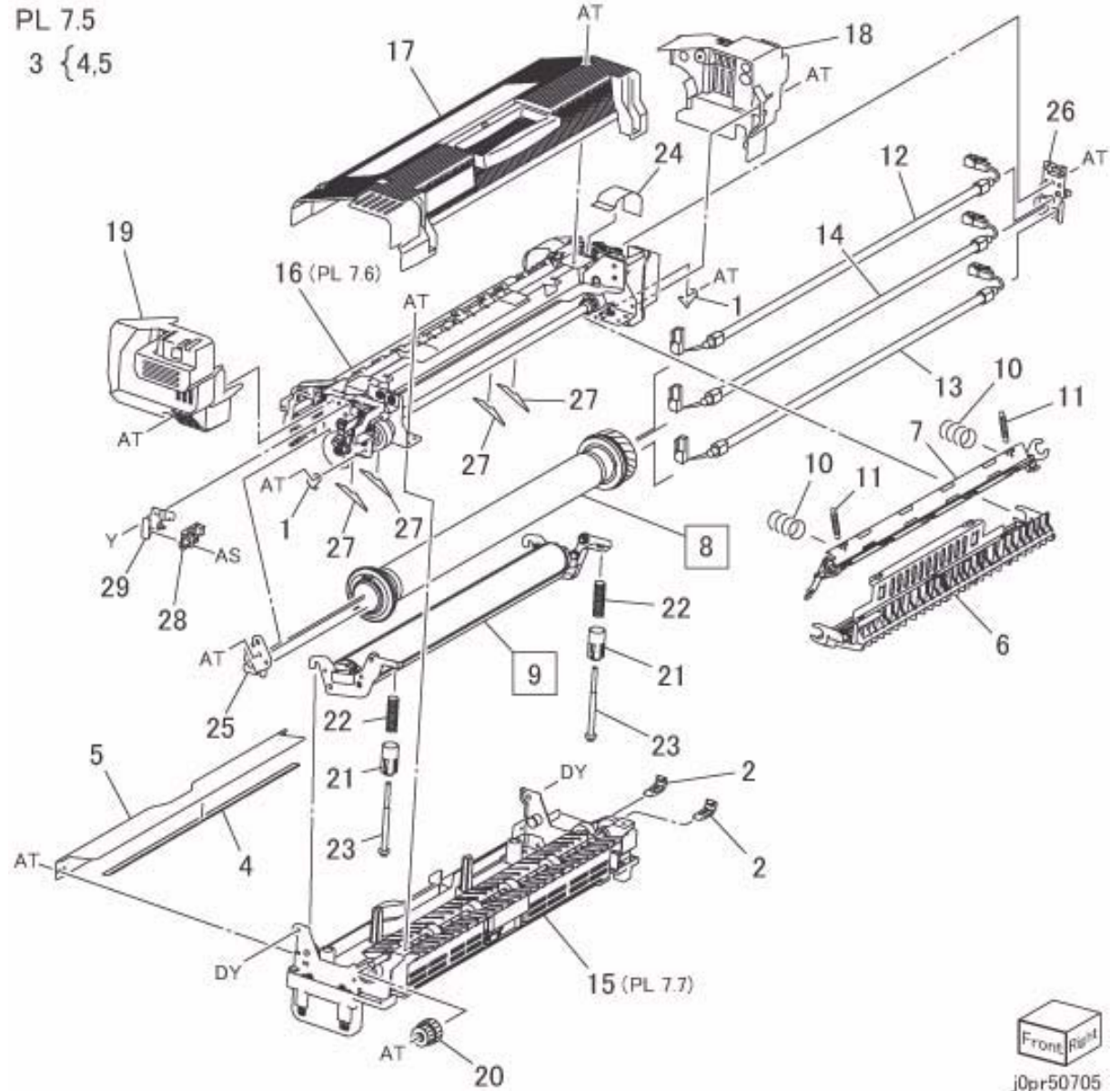
Item	Parts No	Description	A.C.
1	059K 56451	PENE Roll	43G1
2	-	Lower Lever	43G2
3	-	Lever Lower (Rear)	43G3
4	-	Rear Bracket	43G4
5	-	Front Bracket	43G5
6	-	Bracket	43G6
7	-	Stud	43G7
8	-	Cam Shaft	43G8
9	-	Upper Cam	43G9
10	120E 30180	Cam Actuator	43GB
11	807E 23800	Gear (30T)	43GC
12	005E 25951	Coupling	43GD
13	-	Shaft	43GE
14	807E 23760	Gear(13T)	43GF
15	054E 36033	Lower Chute	43GG
16	038E 37750	Guide	43GH
17	-	Shaft	43GJ
18	-	Back Up Roll	43GK
19	-	Stud	43GL
20	012E 18330	Link	43GM
21	-	Spring	43GN
22	-	Pin	43GP
23	413W 75659	Bearing	43GQ
24	413W 93350	Bearing	43GR
25	413W 96950	Bearing	43GS
26	930W 00111	PENE Down Sensor	43GT
27	038E 43250	Guide	43GV

PL 7.4



PL 7.5 Fusing Unit

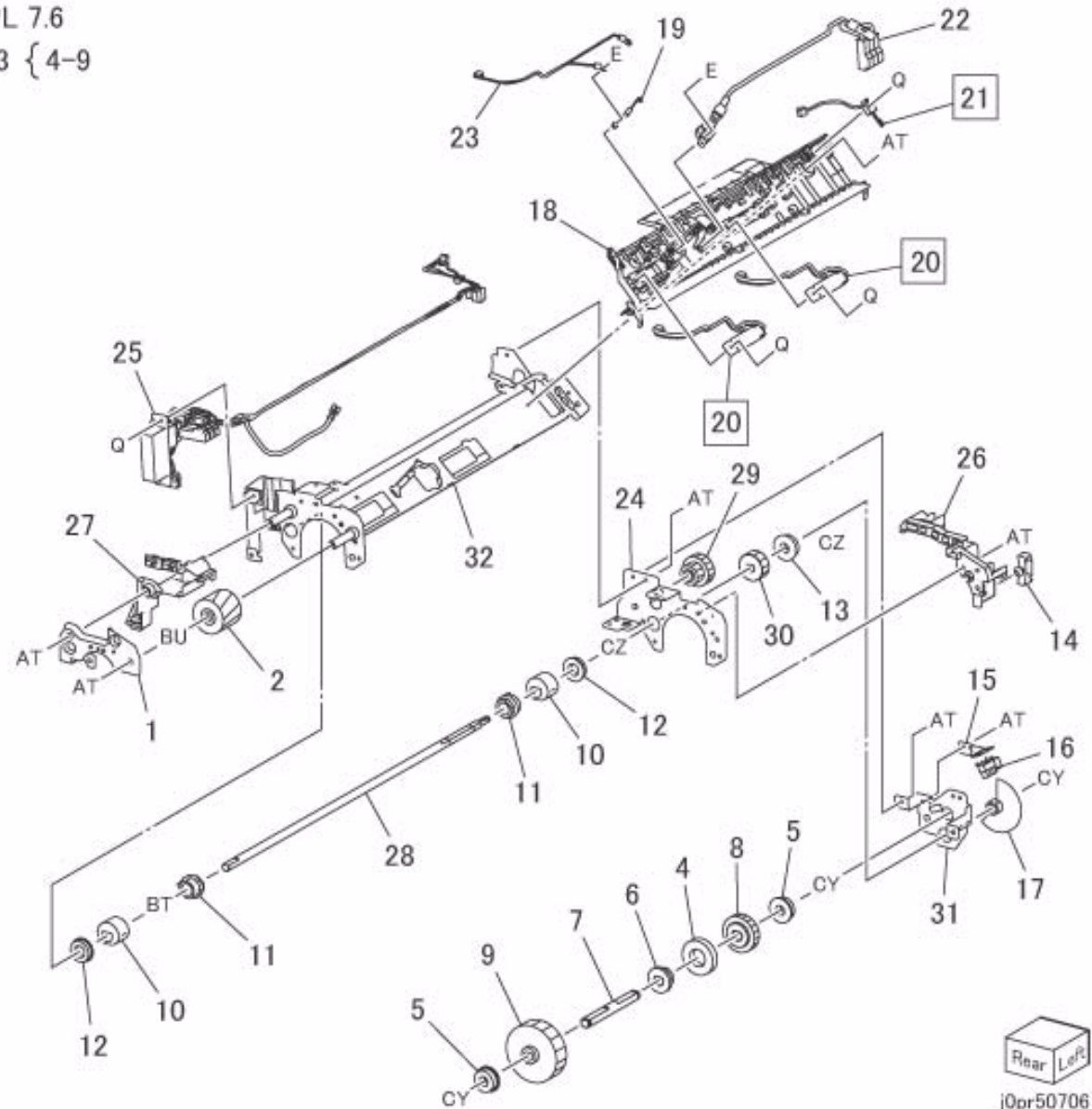
Item	Parts No	Description	A.C.
1	-	Stopper	43J1
2	-	Block	43J2
3	054K 35970	Inlet Chute Assembly (Item 4,5)	43J3
4	105E 16350	Eliminator	43J4
5	-	Inlet Chute (P/O Item 3)	43J5
6	-	Upper Exit Chute	43J6
7	-	Baffle	43J7
8	059K 60120	Heat Roll (REP 7.5.1)	4310
9	064K 93435	Belt Assembly (200V) (REP 7.5.2)	4320
-	064K 93832	Belt Assembly (220V) (REP 7.5.2)	4320
10	809E 70840	Spring	43J8
11	809E 55160	Spring	43J9
12	-	Main Lamp 1	4311
13	-	Main Lamp 2	4312
14	-	Sub Lamp	43JB
15	-	Lower Frame Assembly (PL 7.7)	43JC
16	-	Upper Frame Assembly (PL 7.6)	43JD
17	-	Upper Cover Assembly	43JE
18	-	Rear Cover	43JF
19	-	Front Cover	43JG
20	807E 03451	Gear (18T/22T)	43JH
21	-	Bush	43JJ
22	809E 90810	Nip Spring	43JK
23	826E 10791	Nip Screw	43JL
24	-	Tape	43JM
25	-	Front Bracket	43JN
26	-	Rear Bracket	43JP
27	038E 32440	Paper Guide	43JQ
28	-	Fusing WOPS PWB	43JR
29	-	Holder	43JS



PL 7.6 Upper Frame Assembly

Item	Parts No	Description	A.C.
1	-	Rear Frame	43L1
2	007K 89201	Gear (32T)	43L2
3	007K 89511	Latch Gear Assembly (Item 4-9)43L3	
4	-	Brake Ring (P/O Item3)	43L4
5	013E 87700	Ball Bearing	43L5
6	-	Brake Holder (P/O Item3)	43L6
7	-	Shaft (P/O Item3)	43L7
8	-	Gear (20T) (P/O Item3)	43L8
9	-	Gear (33T) (P/O Item3)	43L9
10	-	Nip Cam	43LB
11	-	Sleeve	43LC
12	013E 87620	Ball Bearing	43LD
13	013E 87700	Ball Bearing	43LE
14	-	Saddle Clip	43LF
15	-	Bracket	43LG
16	930W 00111	Fusing Unit Nip Sensor	43LH
17	-	Actuator	43LJ
18	-	Holder	43LK
19	-	Fusing Unit Fuse	43LL
20	130K 63700	(SCC) NC Center Sensor(REP 99.1.1)	43LM
-	130K 63700	(SCC) NC Rear Sensor(REP 99.1.1)	43LM
21	130K 64181	(SCC) Heat Roll Thermistor(REP 99.1.1)	43LN
22	-	Thermostat	43LP
23	-	Wire Harness	43LQ
24	-	Upper Front Frame	43LR
25	-	Wire Harness	43LS
26	-	Front Cover	43LT
27	-	Rear Cover	43LV
28	806E 04630	Shaft	43LW
29	007K 15690	Gear (18T/28T)	43LX
30	807E 04461	Gear (25T)	43M1
31	-	Bracket	43M2
32	-	Frame Assembly	43M3

PL 7.6
3 { 4-9

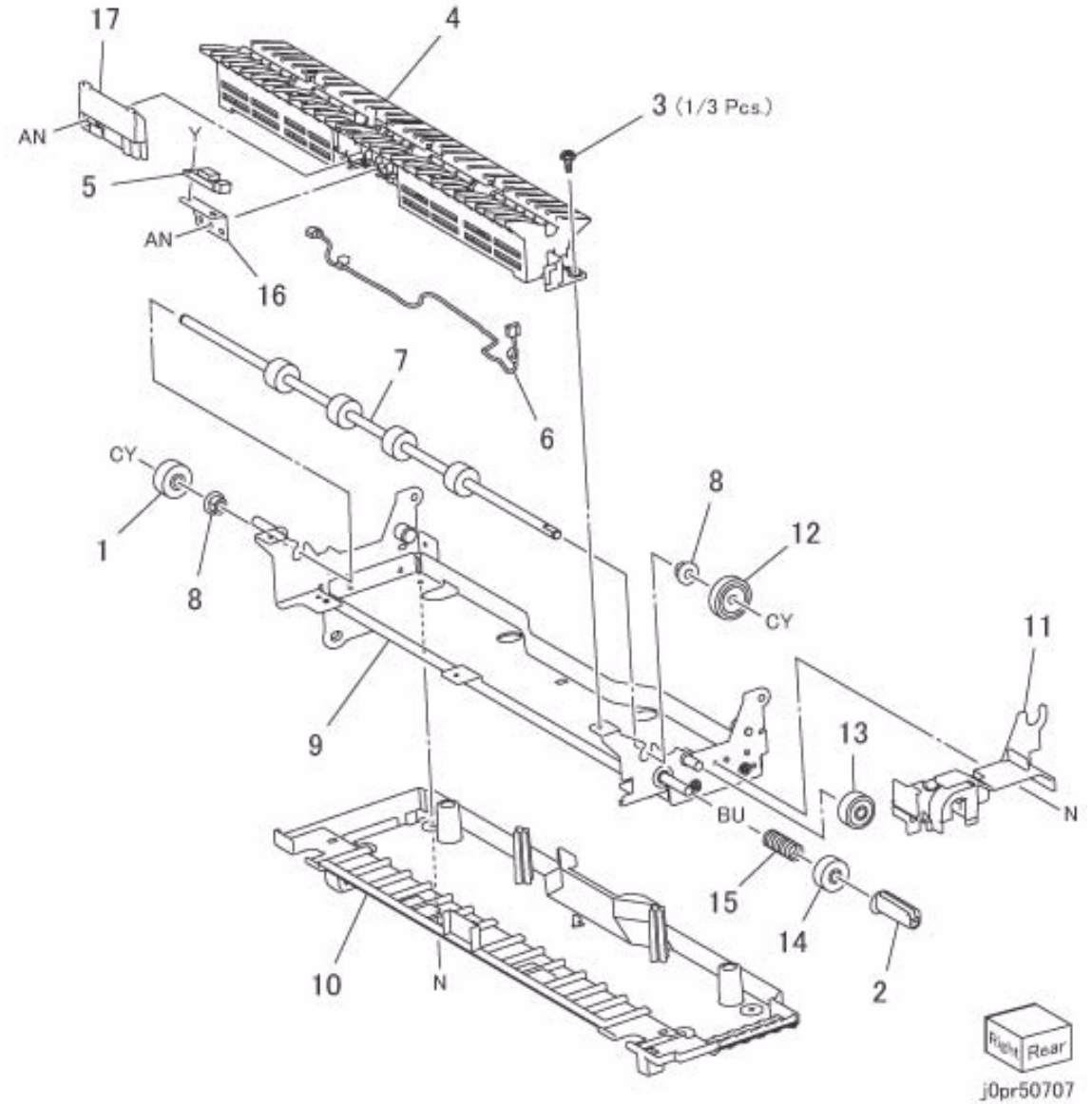


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PL 7.7 Lower Frame Assembly

Item	Parts No	Description	A.C.
1	007K 89500	Gear (20T)	43N1
2	-	Sleeve	43N2
3	-	Shoulder Screw	43N3
4	-	Exit Lower Chute	43N4
5	130E 84300	Fusing Unit Exit Sensor	43N5
6	-	Wire Harness	43N6
7	059K 33360	Exit Roll	43N7
8	413W 75959	Bearing	43N8
9	-	Lower Frame	43N9
10	-	Lower Cover	43NB
11	-	Gear Cover	43NC
12	807E 03471	Gear (24T)	43ND
13	807E 03481	Gear (19T)	43NE
14	-	Gear (18T)	43NF
15	-	Spring	43NG
16	-	Bracket	43NH
17	-	Sensor Cover	43NJ

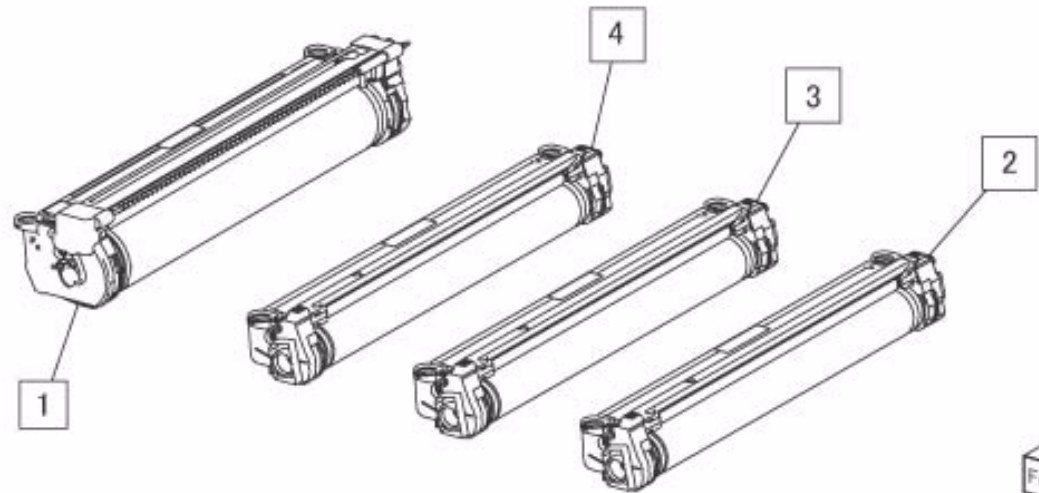
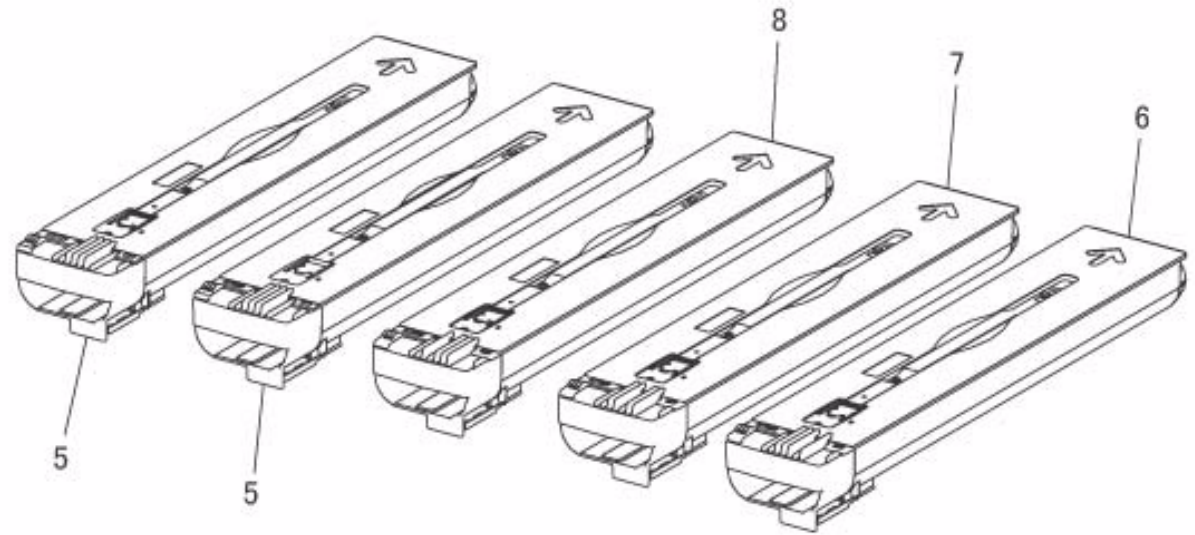
PL 7.7



PL 8.1 Drum/Toner Cartridge

Item	Parts No	Description	A.C.
1	CT350985	Drum Cartridge (K) (FX) (REP 8.1.1)4511	
-	CT350994	Drum Cartridge (K) (APO/GCO) (REP 8.1.1)4511	
2	CT350747	Drum Cartridge (Y) (FX) (REP 8.1.1)451Y	
-	CT350778	Drum Cartridge (Y) (APO/GCO) (REP 8.1.1)451Y	
3	CT350747	Drum Cartridge (M) (FX) (REP 8.1.1)451M	
-	CT350778	Drum Cartridge (M) (APO/GCO) (REP 8.1.1)451M	
4	CT350747	Drum Cartridge (C) (FX) (REP 8.1.1)451C	
-	CT350778	Drum Cartridge (C) (APO/GCO) (REP 8.1.1)451C	
5	CT201247	Toner Cartridge (K) (FX) 4011	
-	CT201243	Toner Cartridge (K) (APO/FXHK (exclude FXV))4011	
-	CT202101	Toner Cartridge (K) (FXV/FXCL)4011	
6	CT201250	Toner Cartridge (Y) (FX) 409Y	
-	CT201246	Toner Cartridge (Y) (APO/FXHK (exclude FXV))409Y	
-	CT202104	Toner Cartridge (Y) (FXV/FXCL)409Y	
7	CT201249	Toner Cartridge (M) (FX) 409M	
-	CT201245	Toner Cartridge (M) (APO/FXHK (exclude FXV))409M	
-	CT202103	Toner Cartridge (M) (FXV/FXCL)409M	
8	CT201248	Toner Cartridge (C) (FX) 409C	
-	CT201244	Toner Cartridge (C) (APO/FXHK (exclude FXV))409C	
-	CT202102	Toner Cartridge (C) (FXV/FXCL)409C	

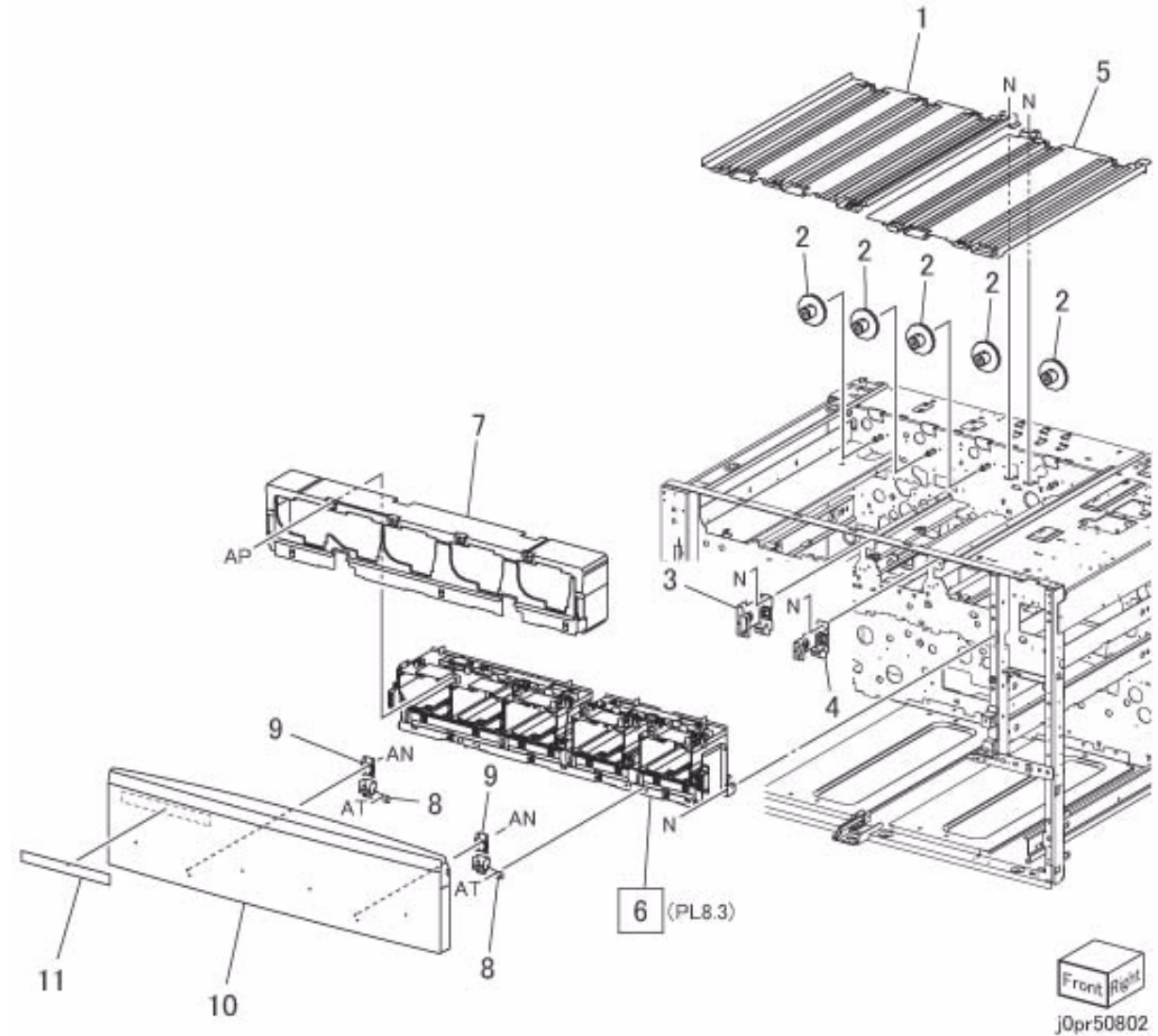
PL 8.1



PL 8.2 Dispenser Unit

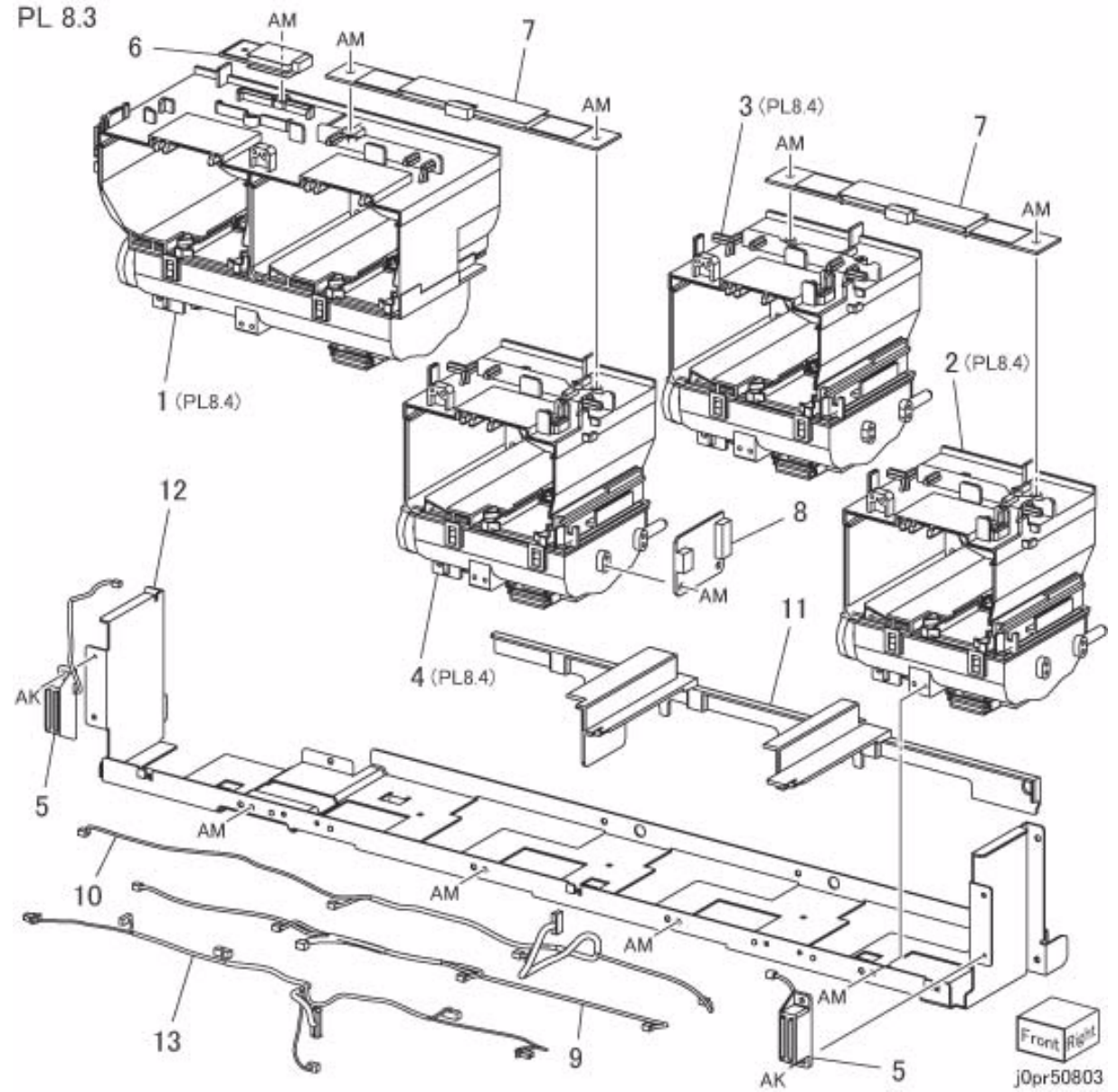
Item	Parts No	Description	A.C.
1	001E 65592	ROS Left Cover	45C1
2	807E 02800	Gear	45C2
3	–	Bracket	45C3
4	–	Bracket	45C4
5	001E 65600	ROS Right Cover	45C5
6	094K 92325	Dispenser Assembly (PL 8.3)(REP 8.2.1)4020	
7	802E 63141	Inner Cover	45C6
8	003K 13511	Hinge	45C7
9	003E 61500	Hinge	45C8
10	848K 70970	Toner Cartridge Cover Assembly 45C9	
11	898E 62190	Name Label (Color C75 Press)45CB	
–	898E 62170	Name Label (Color J75 Press)45CB	

PL 8.2



PL 8.3 Dispenser Assembly (Y,M,C,K)

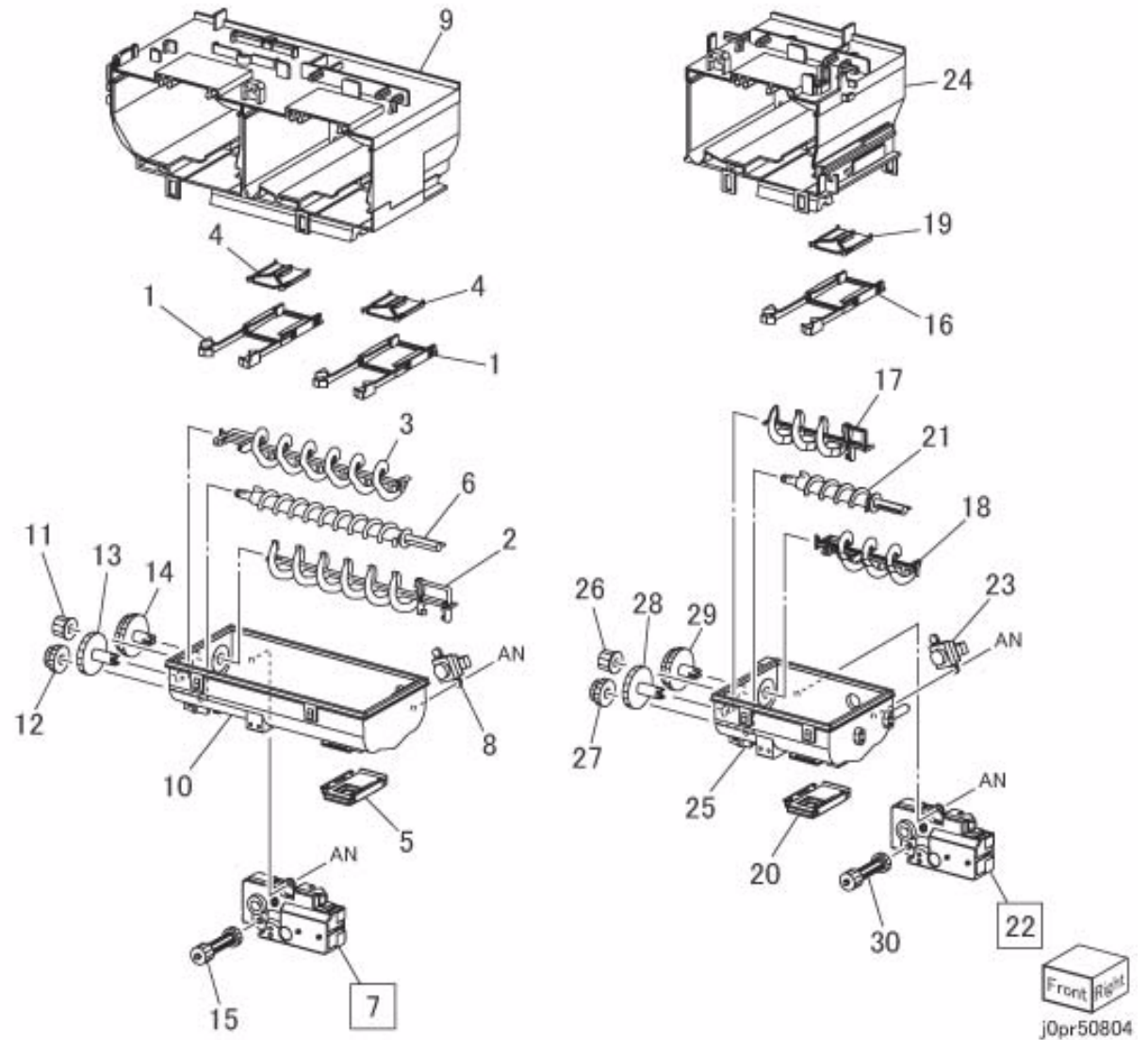
Item	Parts No	Description	A.C.
1	094K 92332	Dispenser Assembly (K)(PL 8.4)45D1	
2	094K 92343	Dispenser Assembly (Y)(PL 8.4)45D2	
3	094K 92353	Dispenser Assembly (M)(PL 8.4)45D3	
4	094K 92363	Dispenser Assembly (C)(PL 8.4)45D4	
5	110K 12080	Dispenser Cover Switch 1/245D5	
6	160K 95832	Toner Cartridge CRUM PWB K145D6	
7	160K 95843	Toner Cartridge CRUM PWB C,K245D7	
-	160K 95843	Toner Cartridge CRUM PWB Y,M45D7	
8	960K 01281	Low Toner Sensor PWB 45D8	
9	-	Wire Harness	45D9
10	-	Wire Harness	45DB
11	-	Guide	45DC
12	-	Base	45DD
13	-	Wire Harness	45DE



PL 8.4 Dispenser Assembly

Item	Parts No	Description	A.C.
1	003E 61092	Stopper	45E1
2	-	Agitator (K)	45E2
3	-	Agitator Assembly (K)	45E3
4	055E 42951	Shutter	45E4
5	055K 28351	Shutter Assembly	45E5
6	-	Auger (K)	45E6
7	127K 39531	(SCC) Dispense Motor K (REP 99.1.1)45E7	
8	130E 85200	Low Toner Sensor K	45E8
9	-	Cover (K)	45E9
10	-	Housing	45EB
11	807E 02710	Gear (15T)	45EC
12	807E 02721	Gear (23T)	45ED
13	807E 02731	Gear (35T)(Front)	45EE
14	807E 02740	Gear (35T)(Rear)	45EF
15	807E 02960	Gear	45EG
16	003E 61092	Stopper	45EH
17	-	Agitator (Y, M, C)	45EJ
18	-	Agitator Assembly (Y, M, C)45EK	
19	055E 42951	Shutter	45EL
20	055K 28351	Shutter Assembly	45EM
21	-	Auger (Y, M, C)	45EN
22	127K 39531	(SCC) Dispense Motor Y/M/C (REP 99.1.1)45EP	
23	130E 85200	Low Toner Sensor Y/M/C45EQ	
24	-	Cover (Y)	45ER
25	-	Housing	45ES
26	807E 02710	Gear (15T)	45ET
27	807E 02721	Gear (23T)	45EV
28	807E 02731	Gear (35T)(Front)	45EW
29	807E 02740	Gear (35T)(Rear)	45EX
30	807E 02960	Gear	45F1

PL 8.4

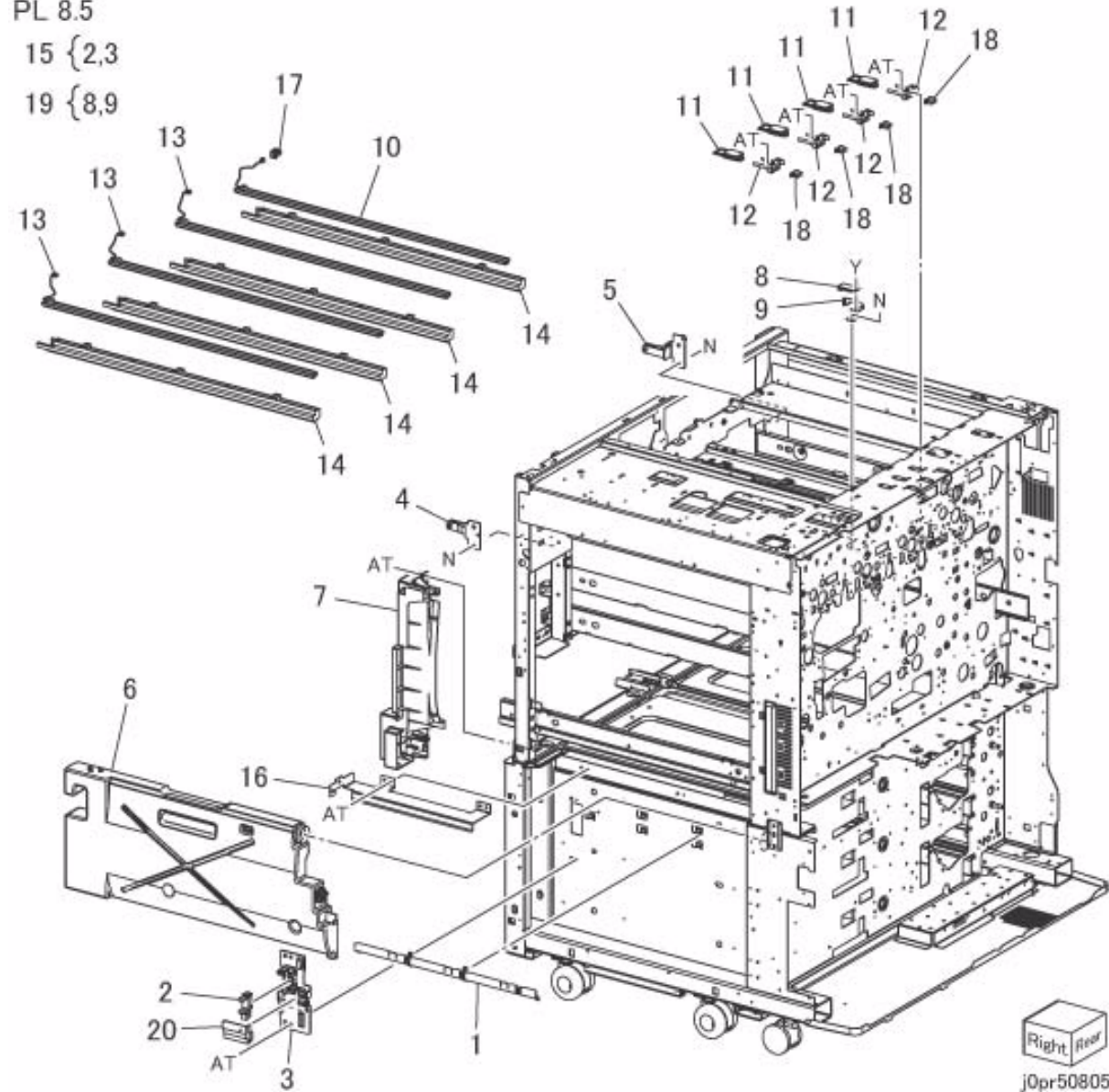


PL 8.5 Erase Lamp,Waste Bottle

Item	Parts No	Description	A.C.
1	-	Harness Guide	45G1
2	930W 00511	Waste Bottle Full Sensor	45G2
3	-	Sensor Holder (P/O Item 15)	45G3
4	068K 24400	Right Bracket	45G4
5	068K 24410	Left Bracket	45G5
6	-	Waste Bottle Assembly	45G6
7	-	Inner Cover	45G7
8	-	XERO Environment Sensor (P/O Item 19)	45G8
9	-	Sensor Bracket (P/O Item 19)	45G9
10	122K 93640	Erase Lamp K	45GB
11	160K 95832	Xero CRUM PWB Y	45GC
-	160K 95832	Xero CRUM PWB M	45GC
-	160K 95832	Xero CRUM PWB C	45GC
-	160K 95832	Xero CRUM PWB K	45GC
12	113E 38240	PWB Holder	45GD
13	122K 93570	Erase Lamp Y/M/C	45GE
14	801K 16740	Erase Lamp Rail	45GF
15	130K 77040	Waste Bottle Full Sensor Assembly (Item 2,3)	45GG
16	-	Waste Bottle Upper Guide	45GH
17	-	Connector	45GJ
18	-	Connector	45GK
19	130K 72250	XERO Environment Sensor Assembly (Item 8,9)	45GL
20	-	Connector Cover	45GM

PL 8.5

15 {2,3}
19 {8,9}



Right Rear
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PL 8.6 Developer Housing, Xero/Deve Drawer

Item	Parts No	Description	A.C.
1	—	Plate Assembly	45H1
2	068K 24114	Bracket Assembly	45H2
3	801K 14311	Rail Assembly (REP 8.6.1)	45H3
4	675K 76190	Developer (K)	4051
5	604K 50043	Developer Housing Kit (K) (Item 14,15,25) (REP 8.6.2)	4000
6	809E 54700	Spring	45H4
7	815E 06240	Tension Plate	45H5
8	—	Duct (P/O Item 27)	45H6
9	—	Xero/Deve Drawer Unit (P/O Item 27) (PL 8.7)	45H7
10	675K 76280	Developer (Y) (REP 8.6.3)	405Y
11	604K 50033	Developer Housing Kit (Y) (Item 14,15,26)	400Y
—	604K 50033	Developer Housing Kit (M) (Item 14,15,26)	400M
—	604K 50033	Developer Housing Kit (C) (Item 14,15,26)	400C
12	675K 76250	Developer (M)	405M
13	675K 76220	Developer (C)	405C
14	130K 67340	ATC Sensor (K,Y,M,C)	4002
15	—	Seal (P/O Item 5 or Item 11)	45H8
16	848K 10760	Inner Cover Assembly (Item 17-21)	45H9
17	—	Inner Cover (P/O Item 16)	45HB
18	893E 40600	Label R1	45HC
19	893E 40610	Label R2	45HD
20	893E 40620	Label R3	45HE
21	893E 40630	Label R4	45HF
22	035E 72821	Gasket	45HG
23	802E 64360	Cover-ATC	45HH
24	826E 10681	Screw	45HJ
25	—	Developer Housing (K) (P/O Item 5)	45HK
26	—	Developer Housing (Y,M,C) (P/O Item 11)	45HL
27	604K 50050	Xero/Deve Drawer Kit (Item 8,9,22)	45HM

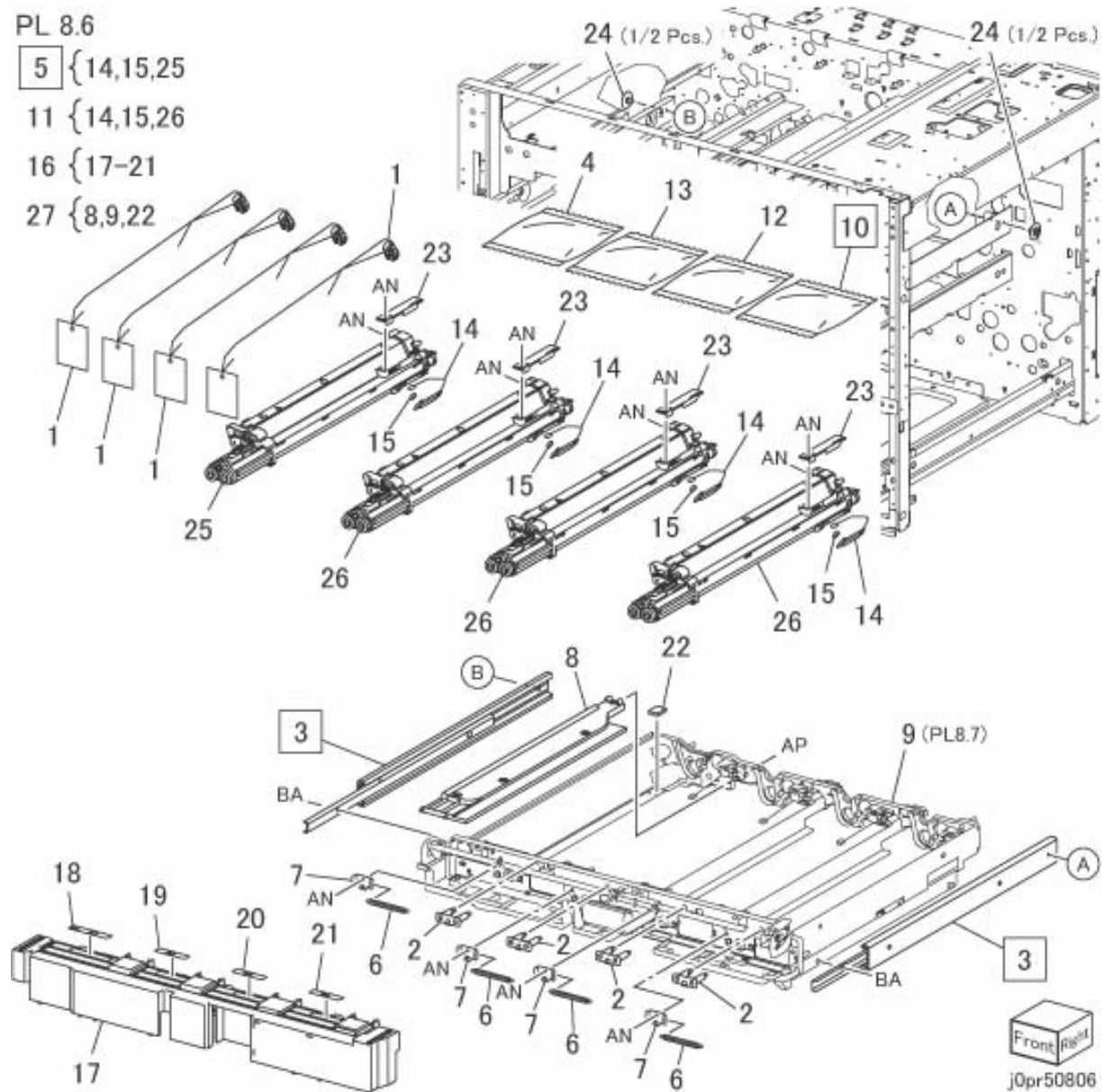
PL 8.6

5 {14,15,25}

11 {14,15,26}

16 {17-21}

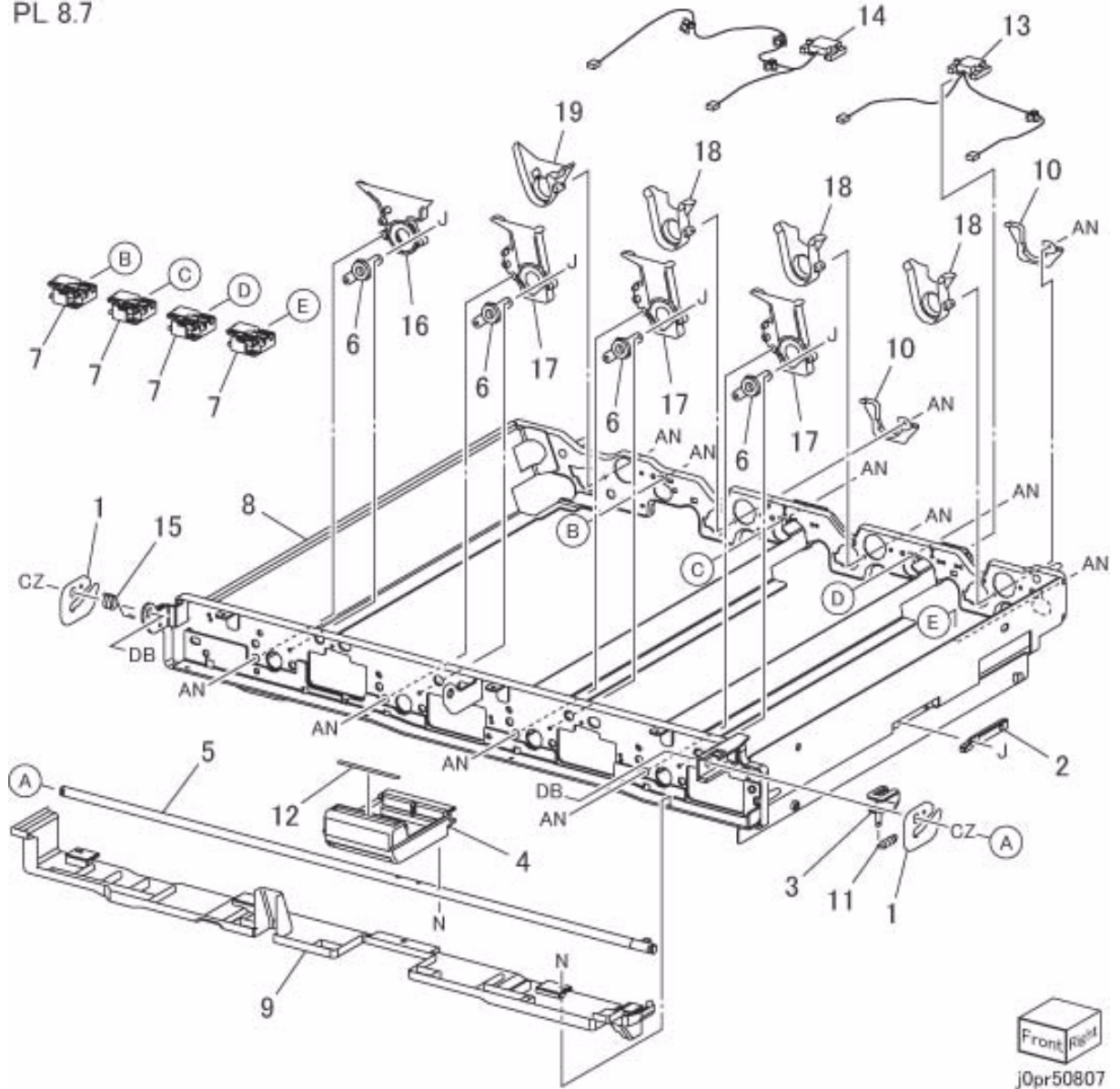
27 {8,9,22}



PL 8.7 Xero/Deve Drawer Component

Item	Parts No	Description	A.C.
1	003E 61101	Cam	45J1
2	003E 62490	Plate	45J2
3	003K 13761	Stopper	45J3
4	003K 13893	Handle	45J4
5	006K 23872	Shaft Assembly	45J5
6	013K 03400	Bearing	45J6
7	014K 82103	Block	45J7
8	-	Xero/Deve Drawer	45J8
9	802E 63163	Base Cover	45J9
10	-	Harness Cover	45JB
11	809E 54680	Spring	45JC
12	893E 19192	Label	45JD
13	962K 23382	Wire Harness (Y, M)	45JE
14	962K 23392	Wire Harness (C, K)	45JF
15	809E 61071	Spring	45JG
16	-	Guide (K)	45JH
17	-	Guide (Y,M,C)	45JJ
18	-	Guide (Y,M,C)	45JK
19	-	Guide (K)	45JL

PL 8.7



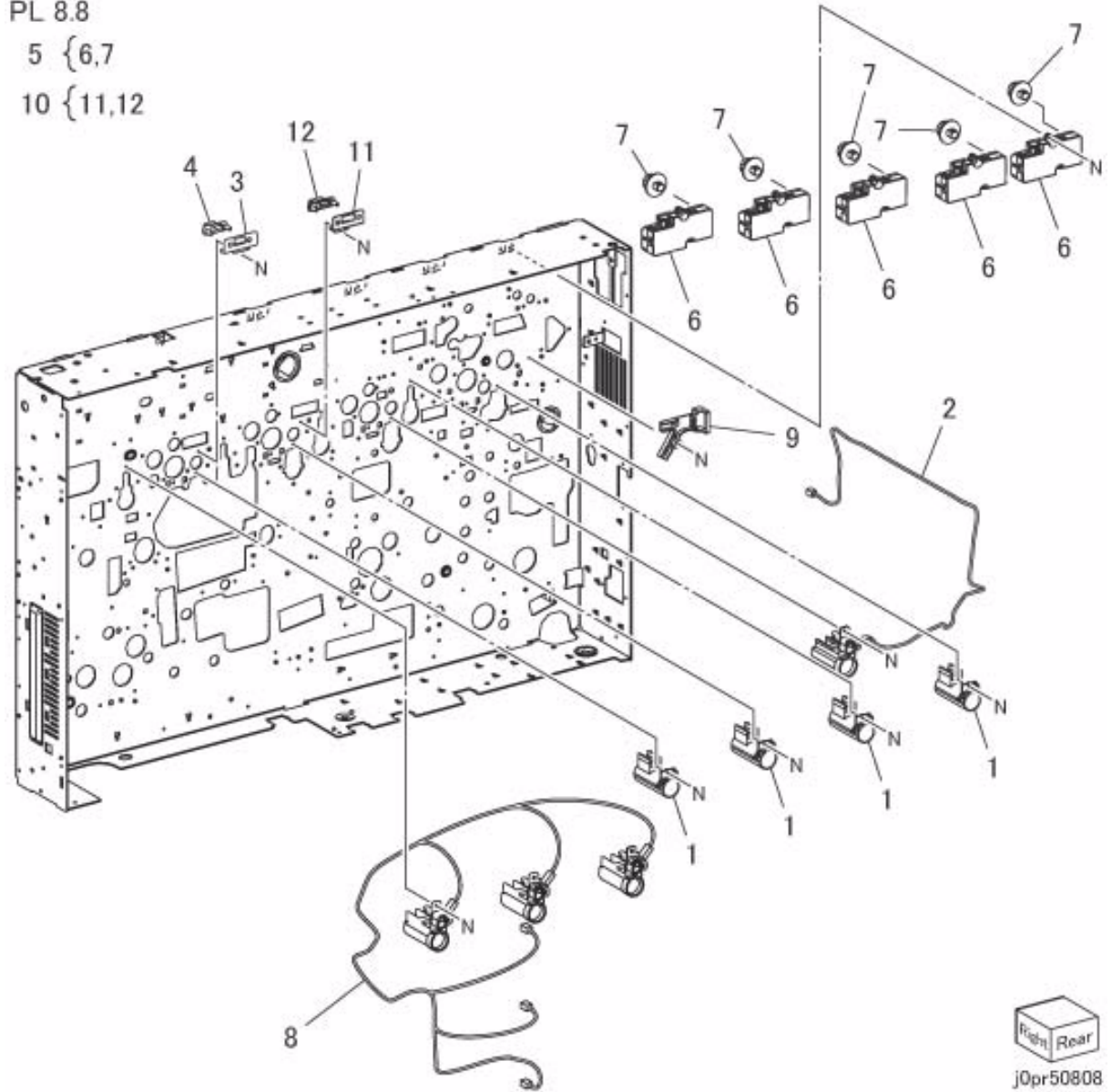
PL 8.8 Rear Frame (1 of 2)

Item	Parts No	Description	A.C.
1	030K 76360	Support Assembly	45K1
2	962K 23524	Wire Harness (K)	45K2
3	-	Bracket	45K3
4	913W 12109	Connector	45K4
5	127K 39541	Toner Cartridge Motor Assembly (Item 6,7)	45K5
6	127K 39531	Toner Cartridge Motor K145K6	
-	127K 39531	Toner Cartridge Motor K245K6	
-	127K 39531	Toner Cartridge Motor Y/M/C45K6	
7	807E 02790	Gear	45K7
8	962K 66741	Wire Harness (Y, M, C)	45K8
9	-	Guide	45K9
10	068K 24431	Bracket Assembly (Item 11,12)	45KB
11	849E 25630	Bracket	45KC
12	913W 12107	Connector	45KD

PL 8.8

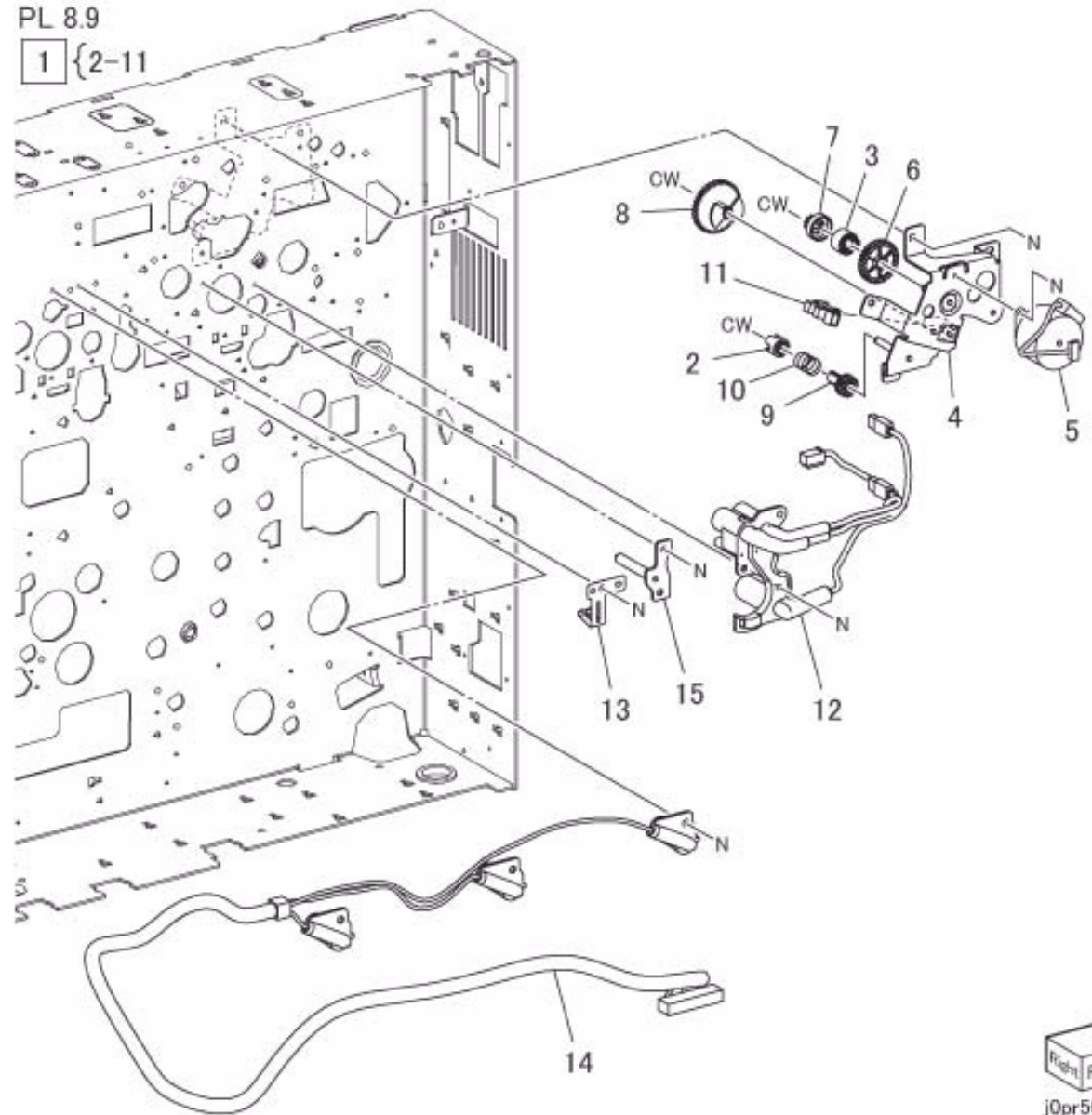
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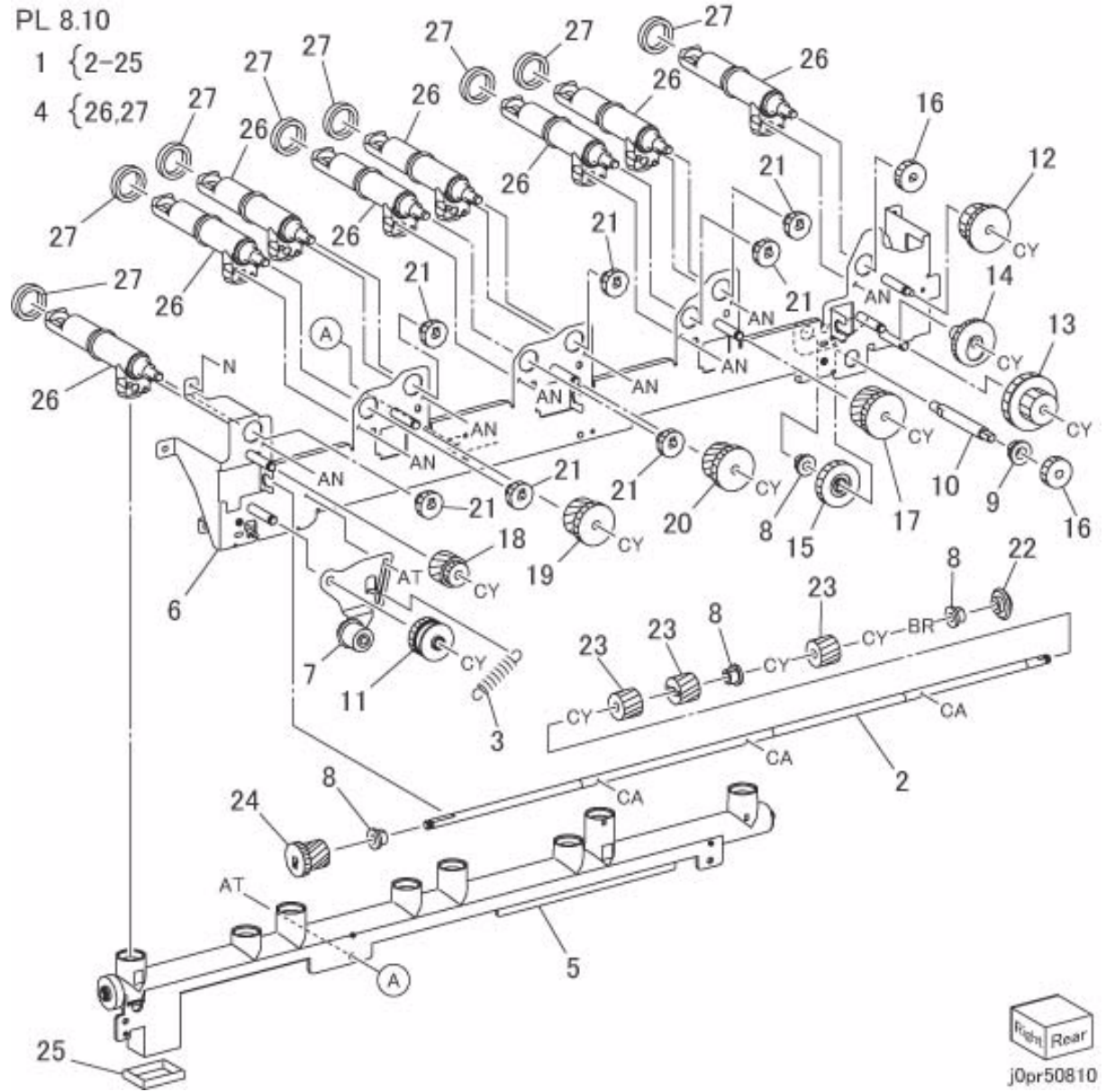
PL 8.9 Rear Frame (2 of 2)

Item	Parts No	Description	A.C.
1	127K 66880	Cleaning Motor Assembly (Item 2-11)(REP 8.9.1) 45L1	
2	-	Coupling (P/O Item 1)	45L2
3	-	Friction Clutch (P/O Item 1)	45L3
4	-	Bracket (P/O Item 1)	45L4
5	127K 37670	(SCC) CC Cleaner Motor (REP 99.1.1)	45L5
6	-	Gear (32T) (P/O Item 1)	45L6
7	-	Gear (10T) (P/O Item 1)	45L7
8	-	Encoder Gear (P/O Item 1)	45L8
9	-	Coupling Gear (P/O Item 1)	45L9
10	-	Spring (P/O Item 1)	45LB
11	930W 00121	CC Home Position Sensor	45LC
12	114K 82650	Connector Assembly (K)	45LD
13	849E 41210	Earth Plate	45LE
14	114K 81973	Connector Assembly (BCR)	45LF
15	068K 59120	Locate Bracket	45LG



PL 8.10 Collector Pipe Assembly

Item	Parts No	Description	A.C.
1	052K 13210	Collector Pipe Assembly (Item 2-25)	45M1
2	-	Direct Shaft (P/O Item 1)	45M2
3	-	Spring (P/O Item 1)	45M3
4	011K 03860	Joint Assembly (Item 26,27)	45M4
5	-	Pipe Assembly (P/O Item 1)	45M5
6	-	Bracket (P/O Item 1)	45M6
7	020K 16030	Bracket	45M7
8	413W 75959	Bearing (P/O Item 1)	45M8
9	413W 77559	Bearing (P/O Item 1)	45M9
10	-	Drive Shaft (P/O Item 1)	45MB
11	807E 02700	Gear Pulley (21T/24T)	45MC
12	807E 02750	Gear (38T/30T)	45MD
13	807E 02760	Gear (45T/25T)	45ME
14	807E 02780	Gear (22T/35T)	45MF
15	807E 02810	Drive Gear	45MG
16	807E 02820	Drive Gear (23T)	45MH
17	807E 02840	Gear (K)	45MJ
18	807E 02850	Gear (Y)(P/O Item 1)	45MK
19	807E 02860	Gear (M)	45ML
20	807E 02870	Gear (C)	45MM
21	807E 02920	Joint Gear (21T)	45MN
22	-	Gear (20T)(P/O Item 1)	45MP
23	-	Helical Gear (P/O Item 1)	45MQ
24	-	Gear (P/O Item 1)	45MR
25	-	Seal (P/O Item 1)	45MS
26	-	Joint (P/O Item 4)	45MT
27	035K 83250	Seal	45MV



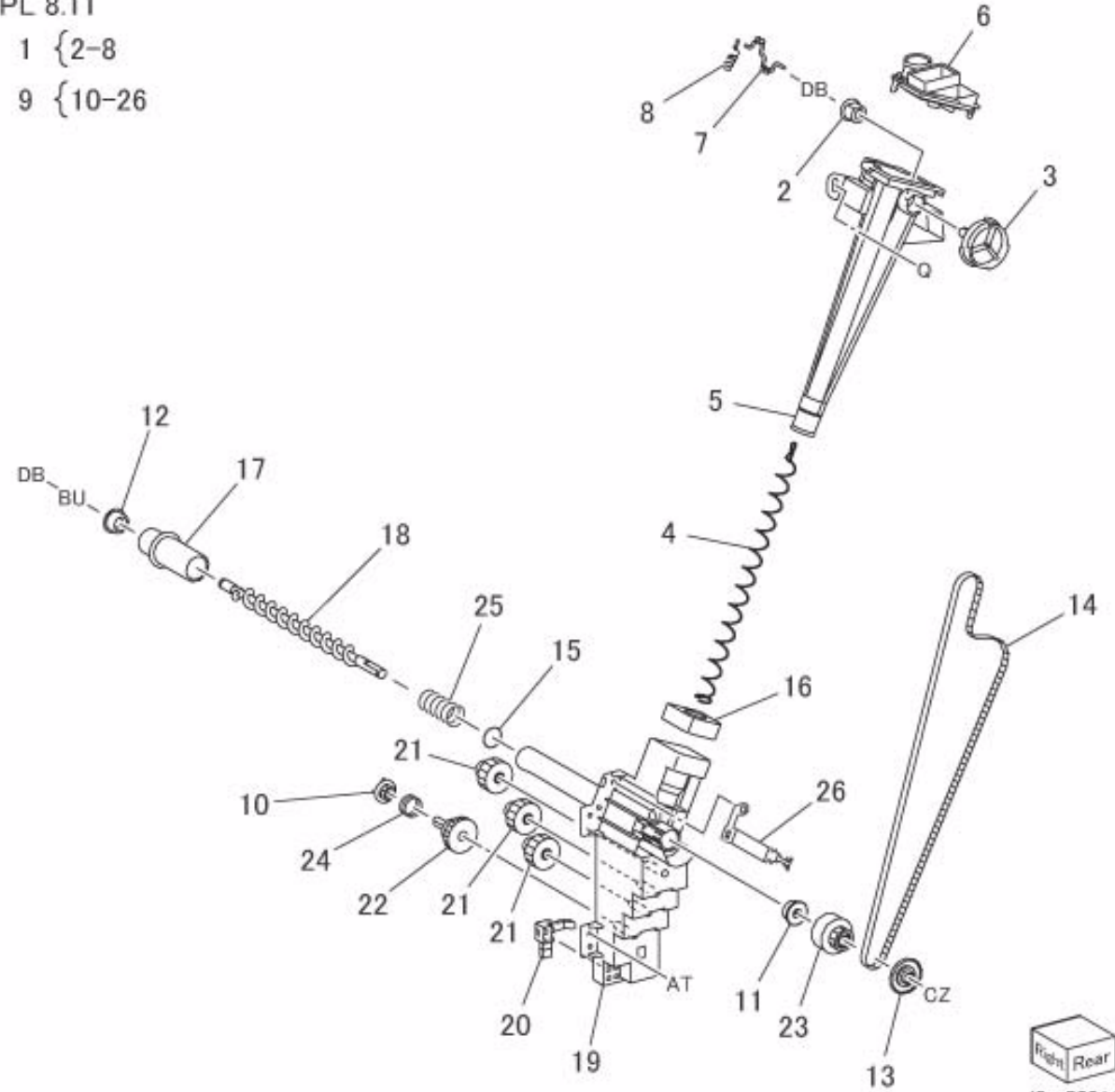
PL 8.11 Stand Funnel/Elbow Pipe Assembly

Item	Parts No	Description	A.C.
1	093K 15670	Stand Funnel Assembly (Item 2-8)45P1	
2	013E 26550	Bearing	45P2
3	020E 37411	Pulley	45P3
4	-	Main Agitator (P/O Item 1)45P4	
5	-	Stand Funnel (P/O Item 1)45P5	
6	-	Joint (P/O Item 1)	45P6
7	-	Crank Shaft (P/O Item 1)	45P7
8	-	Sub Agitator (P/O Item 1)45P8	
9	052K 96741	Elbow Pipe Assembly (Item 10-26)45P9	
10	011E 15561	Joint	45PB
11	-	Bearing (P/O Item 9)	45PC
12	013E 27710	Bearing	45PD
13	-	Flange (P/O Item 9)	45PE
14	-	Belt (P/O Item 9)	45PF
15	035E 27980	Oil Seal	45PG
16	035E 72740	Seal	45PH
17	055E 43110	Shutter	45PJ
18	-	Auger (P/O Item 9)	45PK
19	-	Elbow Pipe (P/O Item 9)	45PL
20	130K 93230	Waste Bottle Set Sensor	45PM
21	807E 02900	Gear (18T/37T)	45PN
22	807E 02910	Gear (40T)	45PP
23	-	Gear (P/O Item 9)	45PQ
24	809E 35590	Spring	45PR
25	809E 54650	Spring	45PS
26	130E 13410	Conductor	45PT

PL 8.11

1 {2-8}

9 {10-26}

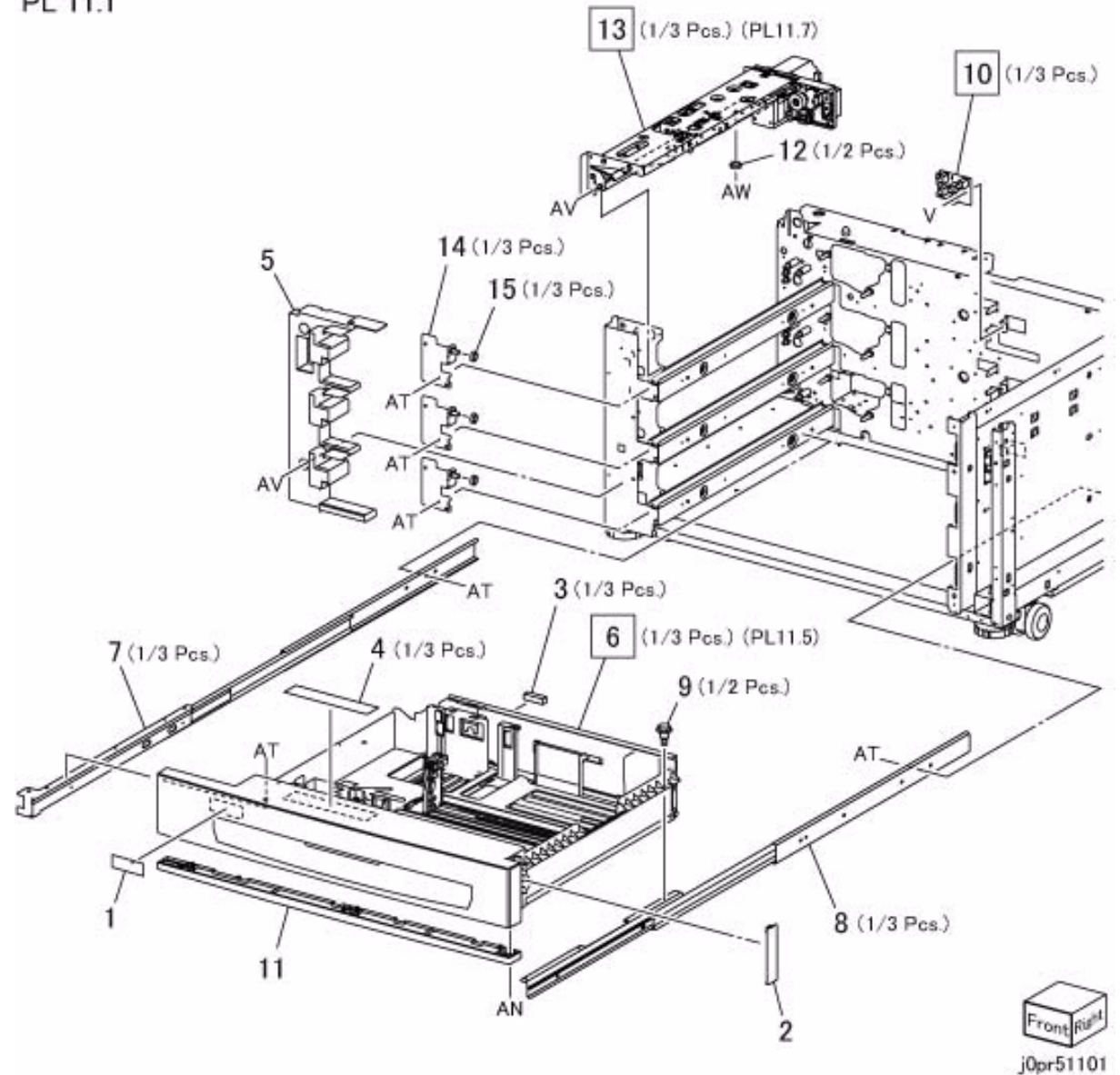


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PL 11.1 Tray Assembly,Tray Feeder

Item	Parts No	Description	A.C.
1	897E 09920	Tray Label (1)	50B1
-	897E 10220	Tray Label (2)	50B1
-	897E 10230	Tray Label (3)	50B1
2	802E 64350	Cover (Tray 1)	50B2
3	835E 06590	Gasket	50B3
4	897E 74620	Label (Instruction)	50B4
5	848E 61111	Inner Cover	50B5
6	050K 65995	Tray 1/2/3 Assembly (PL 11.5) (REP 11.1.1)5010	
7	801K 46070	Left Rail	50B6
8	801K 04301	Right Rail	50B7
9	826E 07310	Shoulder Screw	50B8
10	110K 12100	(SCC) Tray 1 Paper Size Sensor(REP 99.1.1)50B9	
-	110K 12100	(SCC) Tray 2 Paper Size Sensor(REP 99.1.1)50B9	
-	110K 12100	(SCC) Tray 3 Paper Size Sensor(REP 99.1.1)50B9	
11	848E 24540	Kick Cover	50BB
12	019E 56300	Holder	50BC
13	059K 54615	(SCC) Tray 1 Feeder (PL 11.7) (REP 11.1.2, REP 99.1.1)5030	
-	059K 54615	(SCC) Tray 2 Feeder (PL 11.7) (REP 11.1.2, REP 99.1.1)5040	
-	059K 54615	(SCC) Tray 3 Feeder (PL 11.7) (REP 11.1.2, REP 99.1.1)5050	
14	-	Bracket	50BD
15	-	Roll	50BE

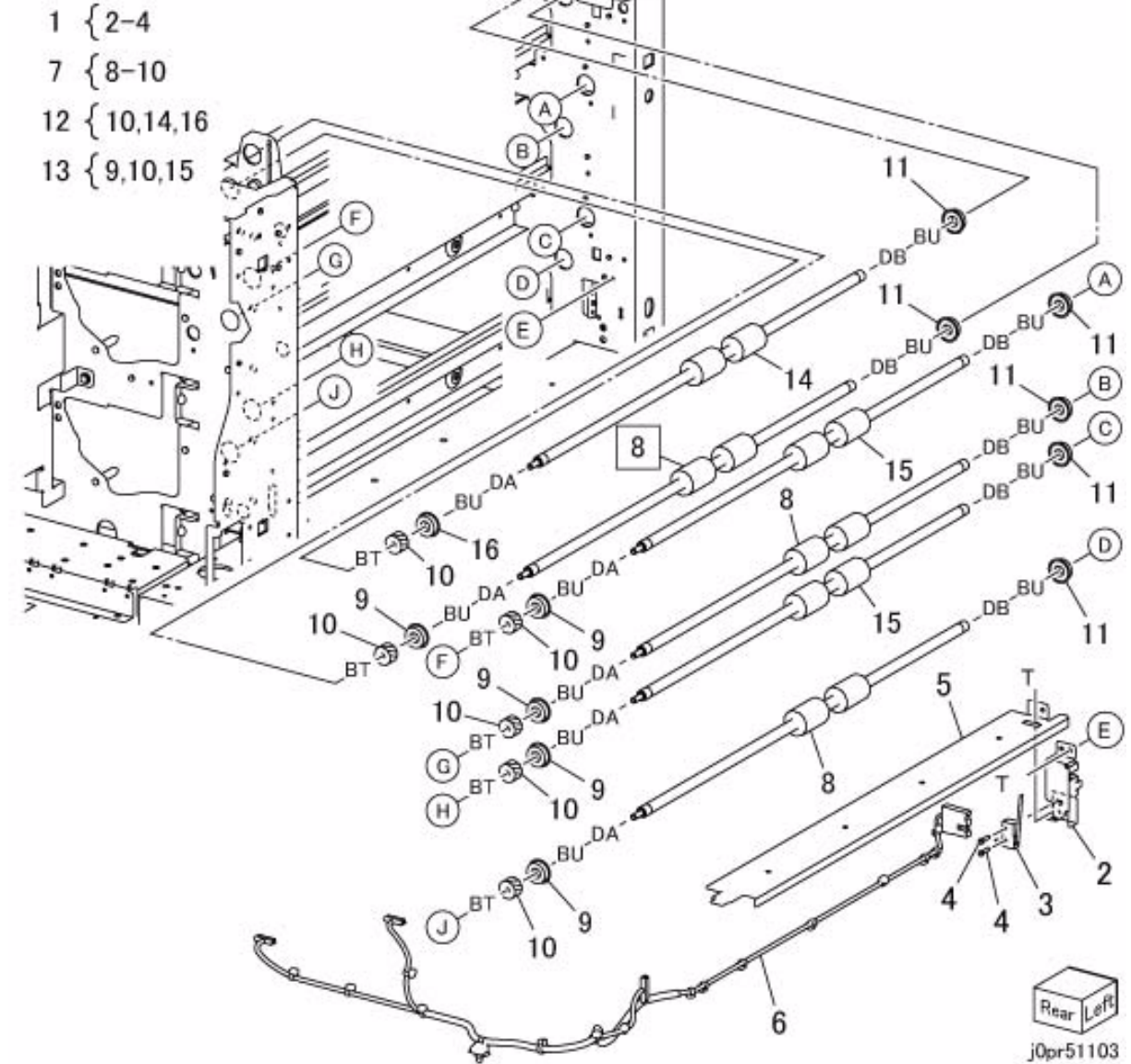
PL 11.1



PL 11.3 Take Away Roll, Vertical Transport Roll

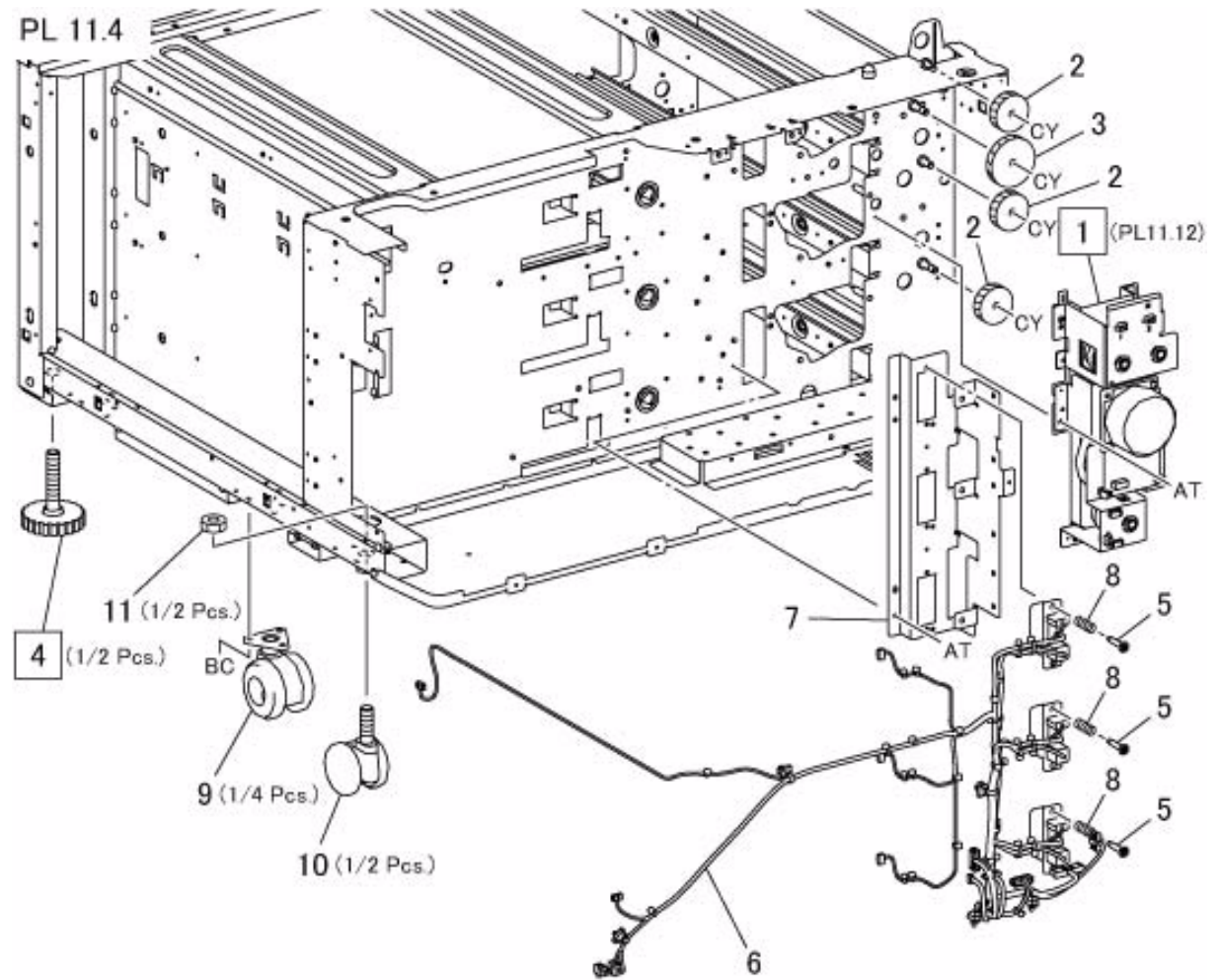
Item	Parts No	Description	A.C.
1	068K 61890	Left Hand Cover Interlock Switch (Item 2-4)50D1	
2	-	Bracket (P/O Item 1)	50D2
3	110E 11420	L/H Cover Interlock Switch50D3	
4	-	Screw (M2.3) (P/O Item 1)50D4	
5	848E 28910	Cover	50D5
6	-	Wire Harness	50D6
7	059K 26480	Take Away Roll 1/2/3 Assembly (Item 8-10)50D7	
8	059K 30913	Take Away Roll 1 (REP 11.3.1)5035	
-	059K 30913	Take Away Roll 2	5045
-	059K 30913	Take Away Roll 3	5055
9	013E 24670	Ball Bearing	50D8
10	007K 88340	One Way Clutch Gear (Helical 18T)50D9	
11	413W 82370	Ball Bearing	50DB
12	059K 53160	Vertical Transport Roll 1 Assembly (Item 10,14,16) 50DC	
13	059K 26490	Vertical Transport Roll 2/3 Assembly (Item 9,10,15) 50DD	
14	059K 53171	Vertical Transport Roll 1	5034
15	059K 30923	Vertical Transport Roll 2	5044
-	059K 30923	Vertical Transport Roll 3	5054
16	-	Bearing (P/O Item 12)	50DE

PL 11.3



PL 11.4 Take Away Motor Assembly, Wire Harness, Caster

Item	Parts No	Description	A.C.
1	068K 52700	(SCC) Take Away Motor Assembly (PL 11.12) (REP 11.4.1, REP 99.1.1)50E1	
2	807E 18810	Gear (49T)	50E2
3	807E 18820	Gear (66T)	50E3
4	017K 94271	(SCC) Adjuster Foot(REP 99.1.1)50E4	
5	826E 07990	Shoulder Screw	50E5
6	962K 86870	Wire Harness	50E6
7	-	Bracket	50E7
8	809E 49790	Spring	50E8
9	017K 94260	Front Caster	50E9
10	-	Rear Caster	50EB
11	-	Nut	50EC



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PL 11.5 Tray 1/2/3 Assembly (1 of 2)

Item	Parts No	Description	A.C.
1	007E 78190	Pinion Gear	50F1
2	012E 11201	End Guide Link	50F2
3	-	Bottom Plate (P/O Item 28)50F3	
4	019E 56430	Bottom Pad	50F4
5	-	Roll (P/O Item 28)	50F5
6	038K 18121	Rear Side Guide	50F6
7	011E 20750	Lever	50F7
8	003E 59771	Knob	50F8
9	010E 93341	Lock Slide	50F9
10	-	Side Pin (P/O Item 29)	50FB
11	-	Front Side Guide (P/O Item 29)50FC	
12	-	Torsion Spring (P/O Item 29)50FD	
13	-	Compression Spring (P/O Item 29)50FE	
14	-	End Guide (P/O Item 30) 50FF	
15	-	Compression Spring (P/O Item 30)50FG	
16	-	Lever (P/O Item 30)	50FH
17	120E 22081	Side Actuator	50FJ
18	120E 22150	Side Mix Actuator	50FK
19	848E 60742	(SCC) Tray Front Cover(REP 99.1.1)50FL	
20	809E 41880	Tension Spring	50FM
21	896E 46120	Label (Max)	50FN
22	019E 39131	Tray Pad	50FP
23	-	Label (Max) (P/O Item 31)50FQ	
24	-	Lever (P/O Item 31)	50FR
25	-	Spring (P/O Item 31)	50FS
26	803E 08230	Latch	50FT
27	-	Tray (P/O Item 31) (PL 11.6)50FV	
28	015K 60990	Bottom Plate (Item 3-5)	50FW
29	038K 87384	Front Side Guide (Item 7-13)50FX	
30	038K 87762	End Guide (Item 14-16)	50G1
31	050K 66074	(SCC) Tray Assembly (Item 1-27)(REP 99.1.1)50G2	
32	014E 45291	Slide Lock Block (Alternate)50G3	
-	014E 59990	Slide Lock Block (Alternate)50G3	
33	893E 15441	Label (Size)	50G4
34	-	Pad	50G5

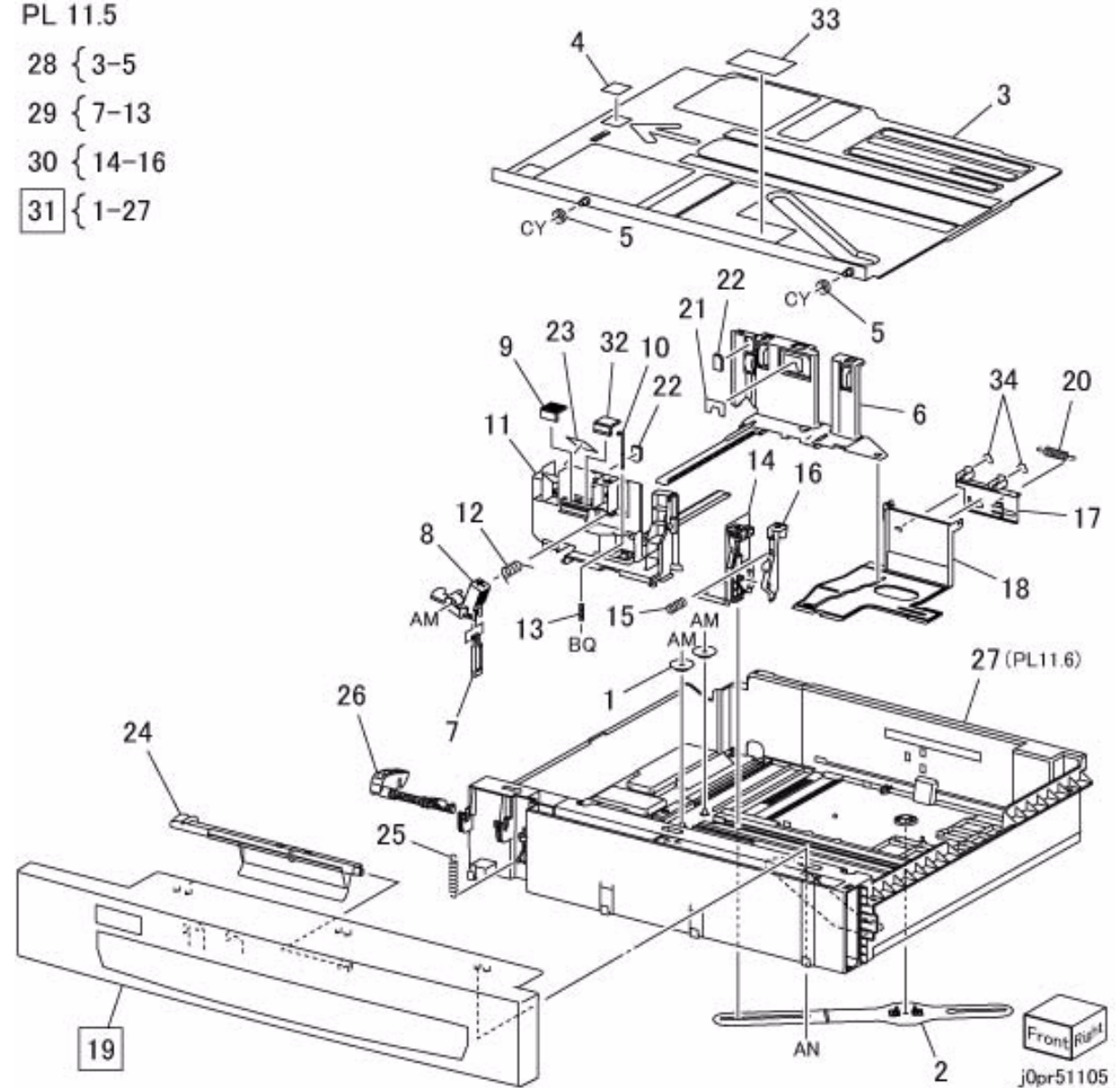
PL 11.5

28 { 3-5

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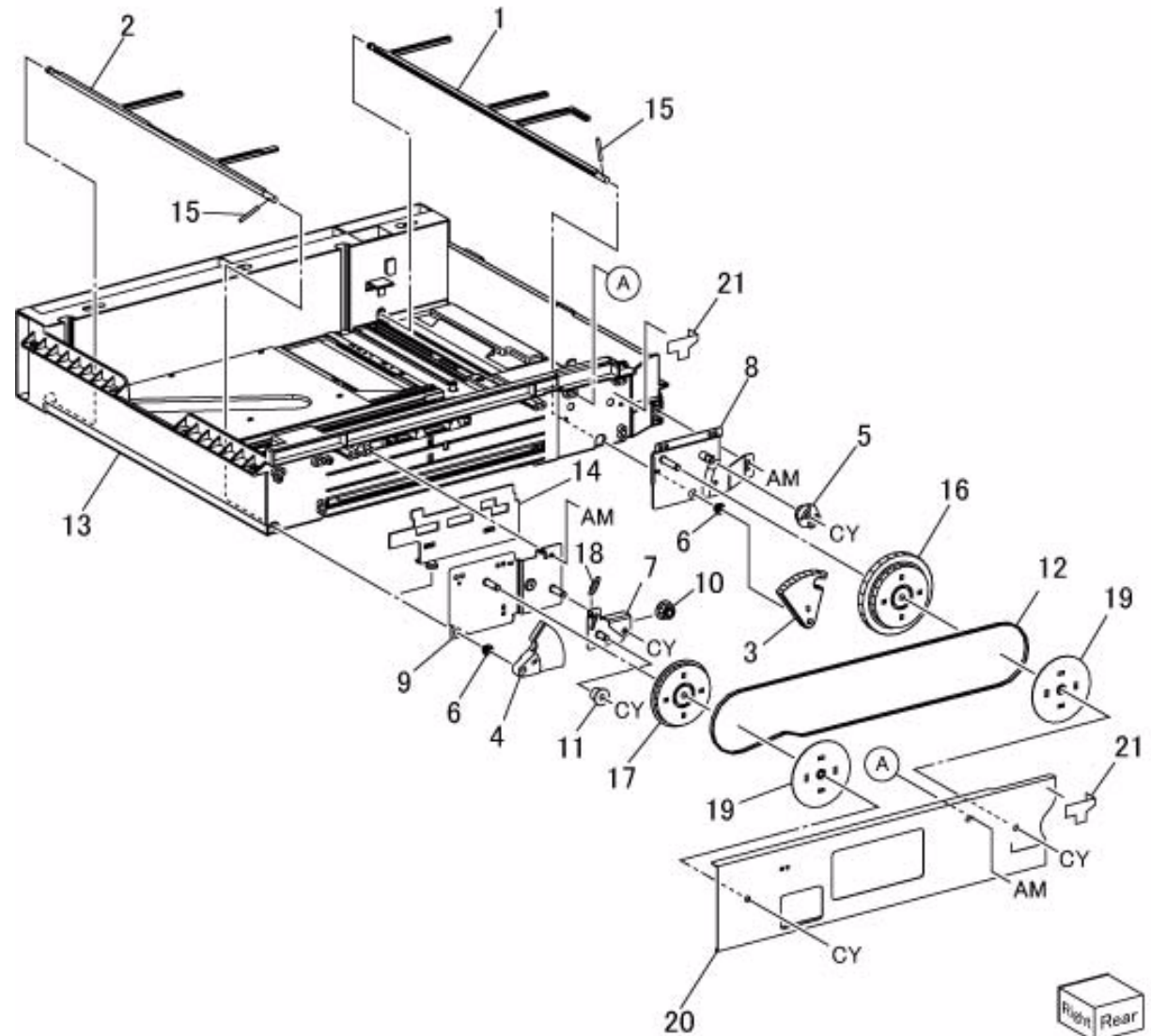
31 { 1-27



PL 11.6 Tray 1/2/3 Assembly (2 of 2)

Item	Parts No	Description	A.C.
1	006E 79274	Left Lift Shaft	50H1
2	006E 79284	Right Lift Shaft	50H2
3	007E 78712	Sector Gear	50H3
4	007E 78731	Sector Gear	50H4
5	007E 78800	Coupling Gear (Spur 13T)	50H5
6	-	Sleeve Bearing	50H6
7	-	Tension Bracket	50H7
8	-	Gear Bracket (Left)	50H8
9	-	Gear Bracket (Right)	50H9
10	020E 36660	Pulley	50HB
11	020E 37250	Pulley	50HC
12	023E 21240	Belt	50HD
13	-	Tray	50HE
14	120E 22160	End Guide Actuator	50HF
15	029E 35381	Pin	50HG
16	807E 02590	Gear Pulley	50HH
17	807E 02600	Gear Pulley	50HJ
18	809E 42680	Tension Spring	50HK
19	849E 13340	Pulley Plate	50HL
20	-	Stopper Bracket	50HM
21	-	Film	50HN

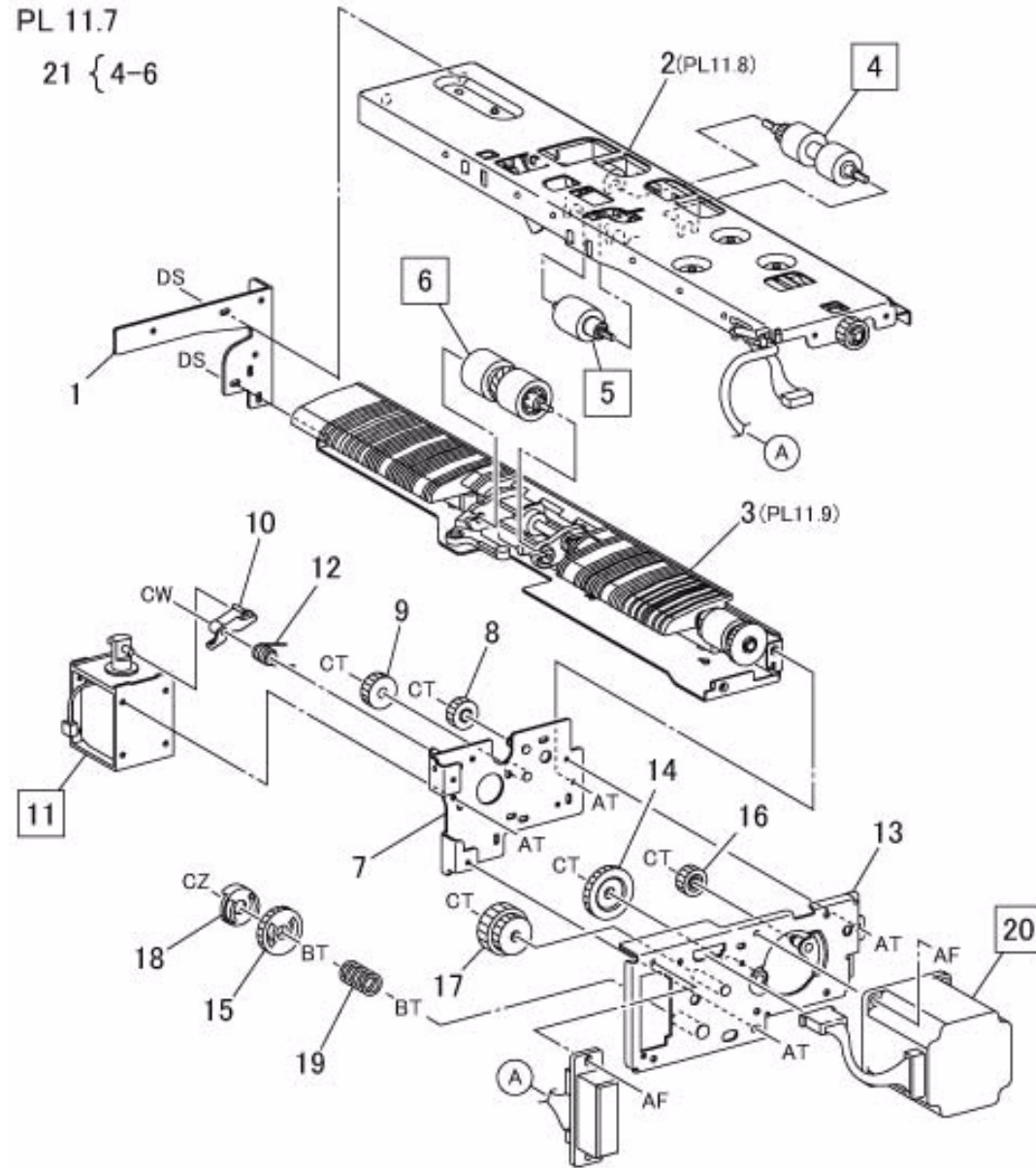
PL 11.6



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PL 11.7 Tray Feeder Assembly

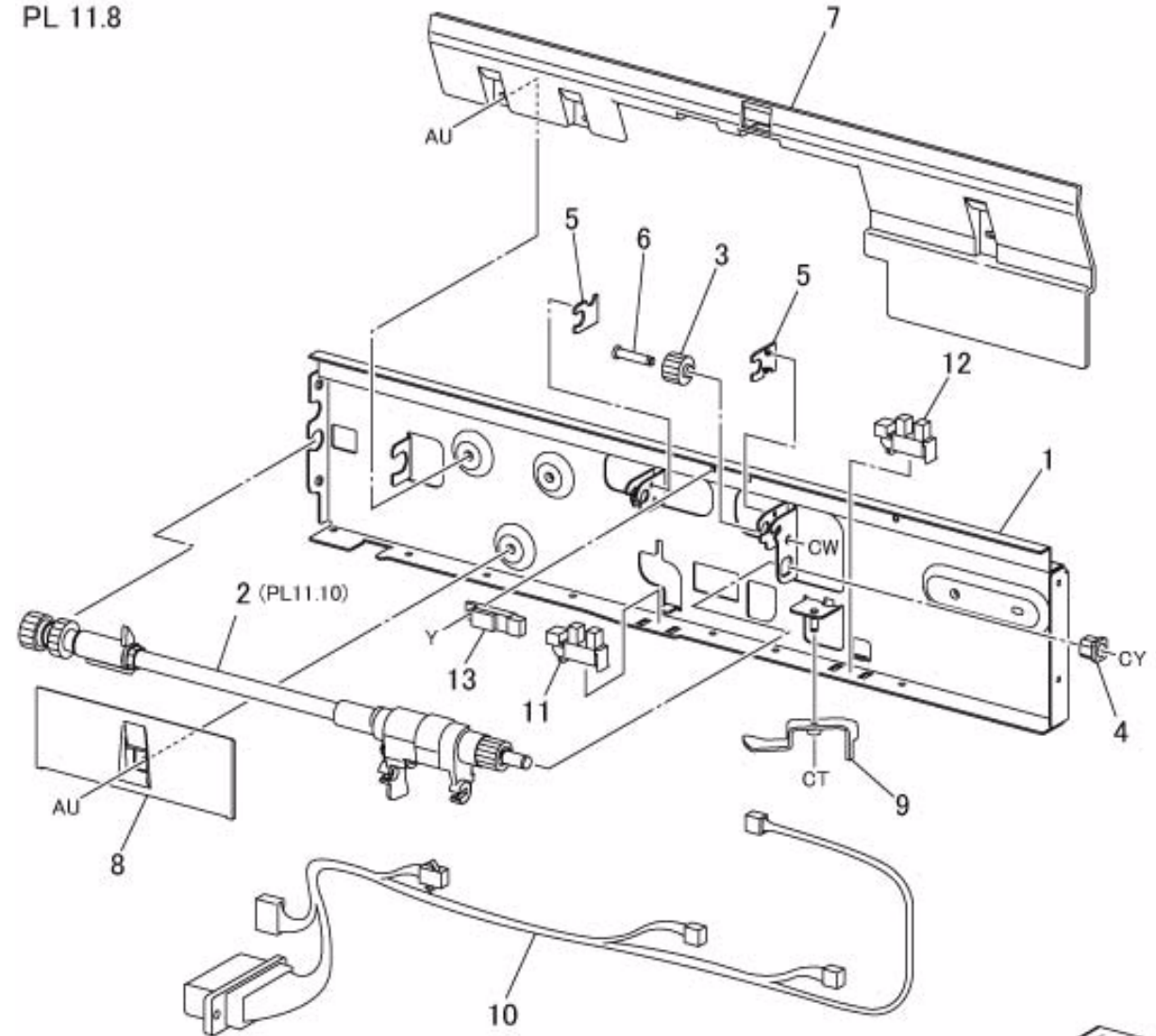
Item	Parts No	Description	A.C.
1	-	Tray Feeder Front Frame50J1	
2	-	Tray Upper Feeder Assembly (PL 11.8)50J2	
3	059K 26556	Tray Lower Feeder Assembly (PL 11.9)50J3	
4	059K 26561	Tray 1 Feed Roll (P/O Item 21) (REP 11.7.1)5032	
-	059K 26561	Tray 2 Feed Roll (P/O Item 21) (REP 11.7.1)5042	
-	059K 26561	Tray 3 Feed Roll (P/O Item 21) (REP 11.7.1)5052	
5	059K 26572	Tray 1 Nudger Roll (P/O Item 21) (REP 11.7.1)5031	
-	059K 26572	Tray 2 Nudger Roll (P/O Item 21) (REP 11.7.1)5041	
-	059K 26572	Tray 3 Nudger Roll (P/O Item 21) (REP 11.7.1)5051	
6	059K 26591	Tray 1 Retard Roll (P/O Item 21) (REP 11.7.1)5033	
-	059K 26591	Tray 2 Retard Roll (P/O Item 21) (REP 11.7.1)5043	
-	059K 26591	Tray 3 Retard Roll (P/O Item 21) (REP 11.7.1)5053	
7	-	Tray Feeder Rear Frame 50J4	
8	007E 78130	Gear (Spur 19T)	50J5
9	007K 88460	One Way Clutch Gear (Spur 22T)50J6	
10	012E 11080	Solenoid Link	50J7
11	121K 31341	(SCC) Tray 1/2/3 Nudger Solenoid(REP 99.1.1)50J8	
12	809E 41780	Torsion Spring	50J9
13	-	Motor Frame	50JB
14	007E 78120	Gear (Spur 36T)	50JC
15	007E 78160	Gear (Spur 32T)	50JD
16	007K 88280	Gear (Spur 18T)	50JE
17	007K 88480	One Way Clutch Gear (Spur 26T/33T)50JF	
18	-	Spacer	50JG
19	-	Compression Spring	50JH
20	127K 37681	(SCC) Tray 1/2/3 Feed Lift Motor(REP 99.1.1)50JJ	
21	604K 23670	Feeder Roll Kit (Item 4-6)50JK	



PL 11.8 Tray Upper Feeder Assembly

Item	Parts No	Description	A.C.
1	-	Tray Upper Feeder Frame50K1	
2	006K 23064	Feed/Nudger Shaft Assembly (PL 11.10)50K2	
3	007E 78180	Gear (Spur 25T)	50K3
4	013E 25540	Sleeve Bearing	50K4
5	-	Spacer	50K5
6	-	Pin	50K6
7	-	Upper Chute	50K7
8	-	Upper Rear Chute	50K8
9	120E 22011	Actuator	50K9
10	962K 17793	Tray Upper Feeder Wire Harness 50KB	
11	930W 00112	Tray 1/2/3 Level Sensor	50KC
12	930W 00112	Tray 1/2/3 No Paper Sensor	50KD
13	930W 00211	Tray 1/2/3 Pre Feed Sensor	50KE

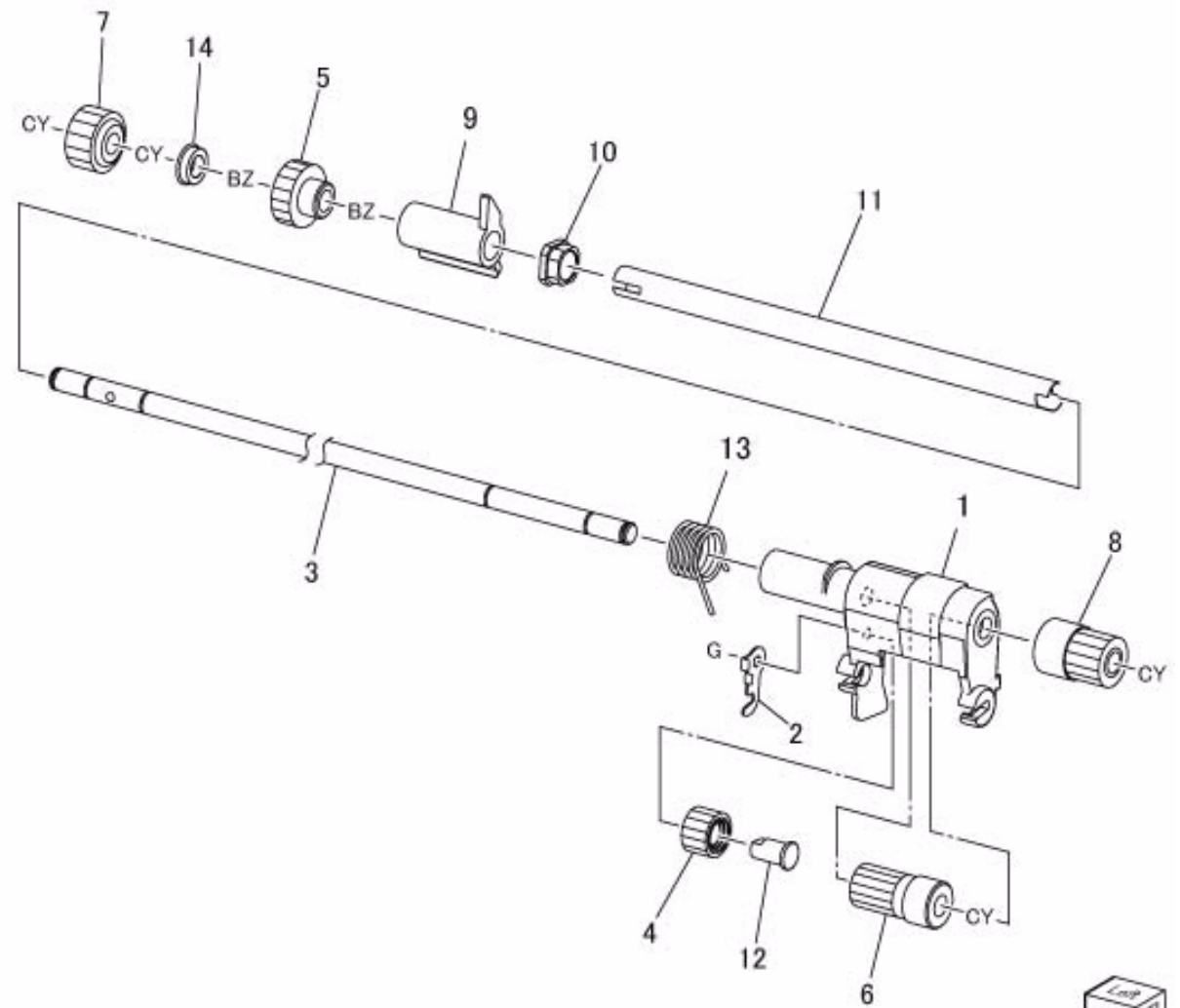
PL 11.8



PL 11.10 Feed/Nudger Shaft Assembly

Item	Parts No	Description	A.C.
1	-	Nudger Bracket	50M1
2	-	Nudger Support	50M2
3	-	Shaft	50M3
4	007E 78110	Gear (Spur 23T)	50M4
5	007E 78150	Gear (Spur 20T)	50M5
6	007K 88290	One Way Clutch Gear (Spur 22T)50M6	
7	007K 88450	One Way Clutch Gear (Spur 19T)50M7	
8	007K 88470	One Way Clutch Gear (Spur 26T)50M8	
9	-	Nudger Lever	50M9
10	-	Sleeve Bearing	50MB
11	-	Spacer	50MC
12	-	Pin	50MD
13	809E 41770	Torsion Spring	50ME
14	-	Ball Bearing	50MF

PL 11.10

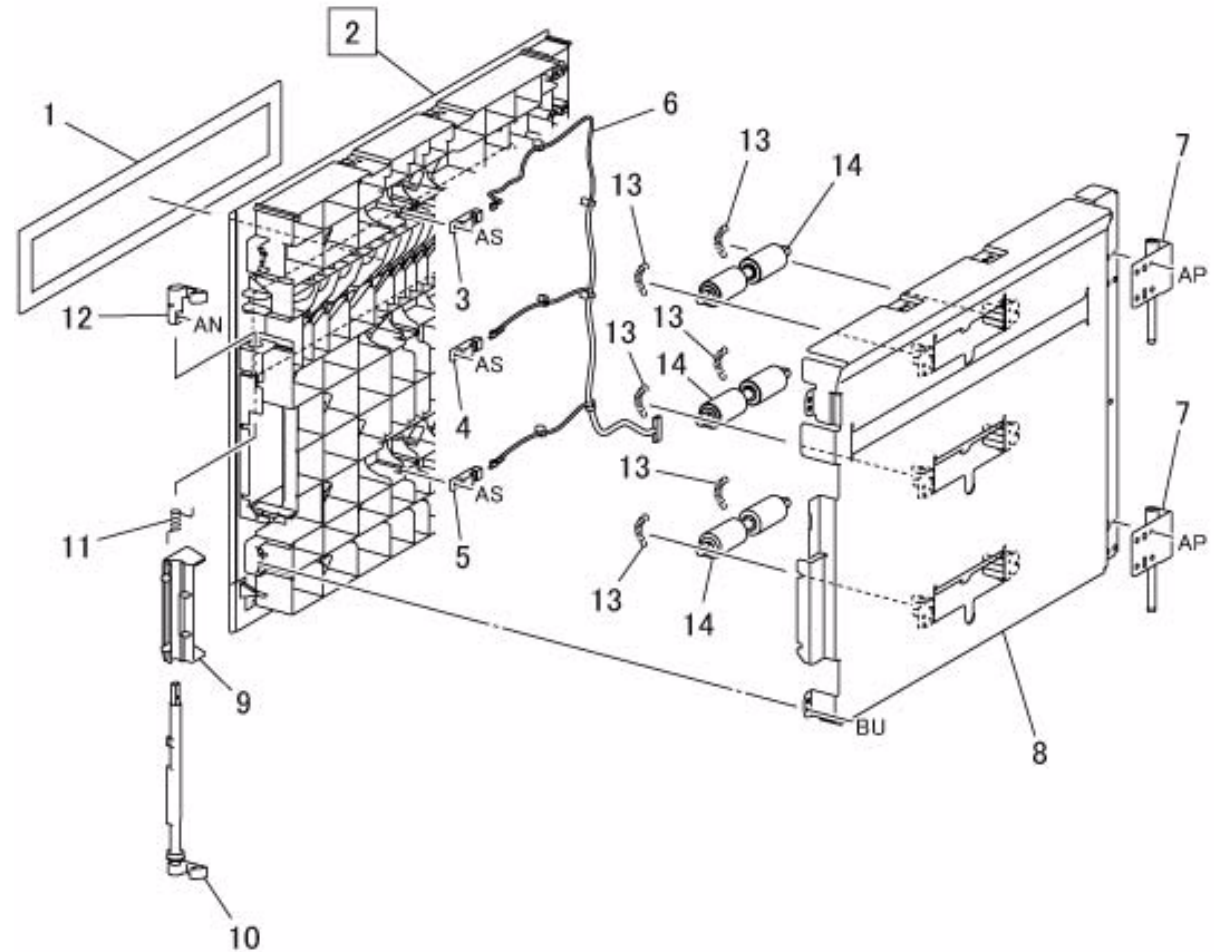


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PL 11.11 Left Hand Cover Assembly

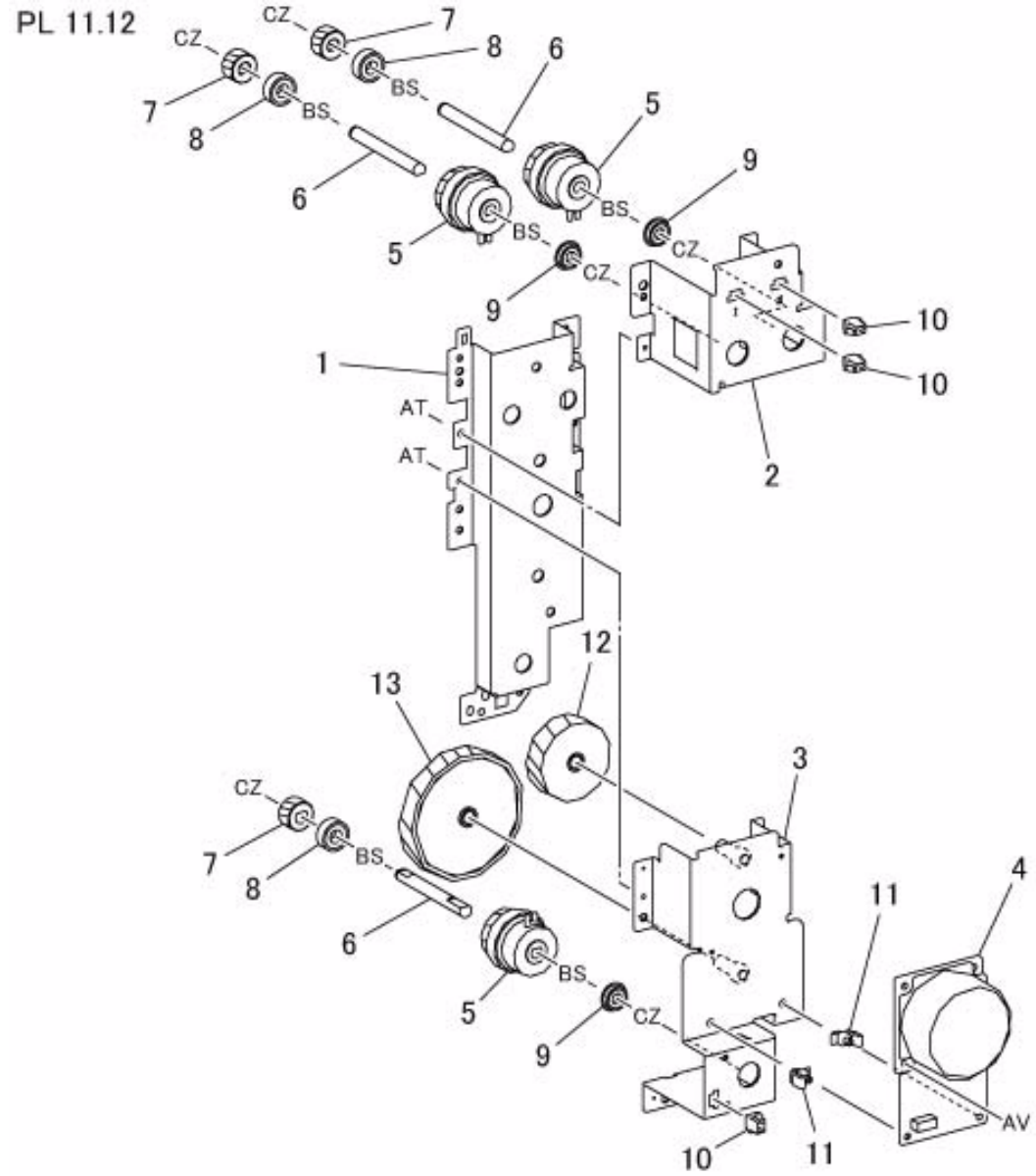
Item	Parts No	Description	A.C.
1	-	Noise Label	50N1
2	848E 24521	(SCC) Left Hand Cover(REP 99.1.1)	50N2
3	930W 00211	Feed Out Sensor 1	50N3
4	930W 00211	Feed Out Sensor 2	50N4
5	930W 00211	Feed Out Sensor 3	50N5
6	962K 61830	Sensor Wire Harness	50N6
7	030K 75232	Hinge Bracket	50N7
8	-	Left Hand Chute	50N8
9	011E 14502	Handle	50N9
10	-	Latch Shaft	50NB
11	809E 74680	Torsion Spring	50NC
12	019E 69090	Hook	50ND
13	809E 42130	Tension Spring	50NE
14	059K 26471	Pinch Roll	50NF

PL 11.11



PL 11.12 Takeaway Motor Assembly

Item	Parts No	Description	A.C.
1	-	Bracket	50P1
2	-	Bracket	50P2
3	-	Bracket Assembly	50P3
4	127K 51850	Takeaway Motor	50P4
5	121K 41750	Takeaway Clutch 1/2/3	50P5
6	806E 20840	Shaft	50P6
7	-	Gear	50P7
8	-	Collar	50P8
9	413W 82370	Ball Bearing	50P9
10	-	Connector	50PB
11	-	PWB Support	50PC
12	-	Gear (67T)	50PD
13	-	Gear (109T)	50PE

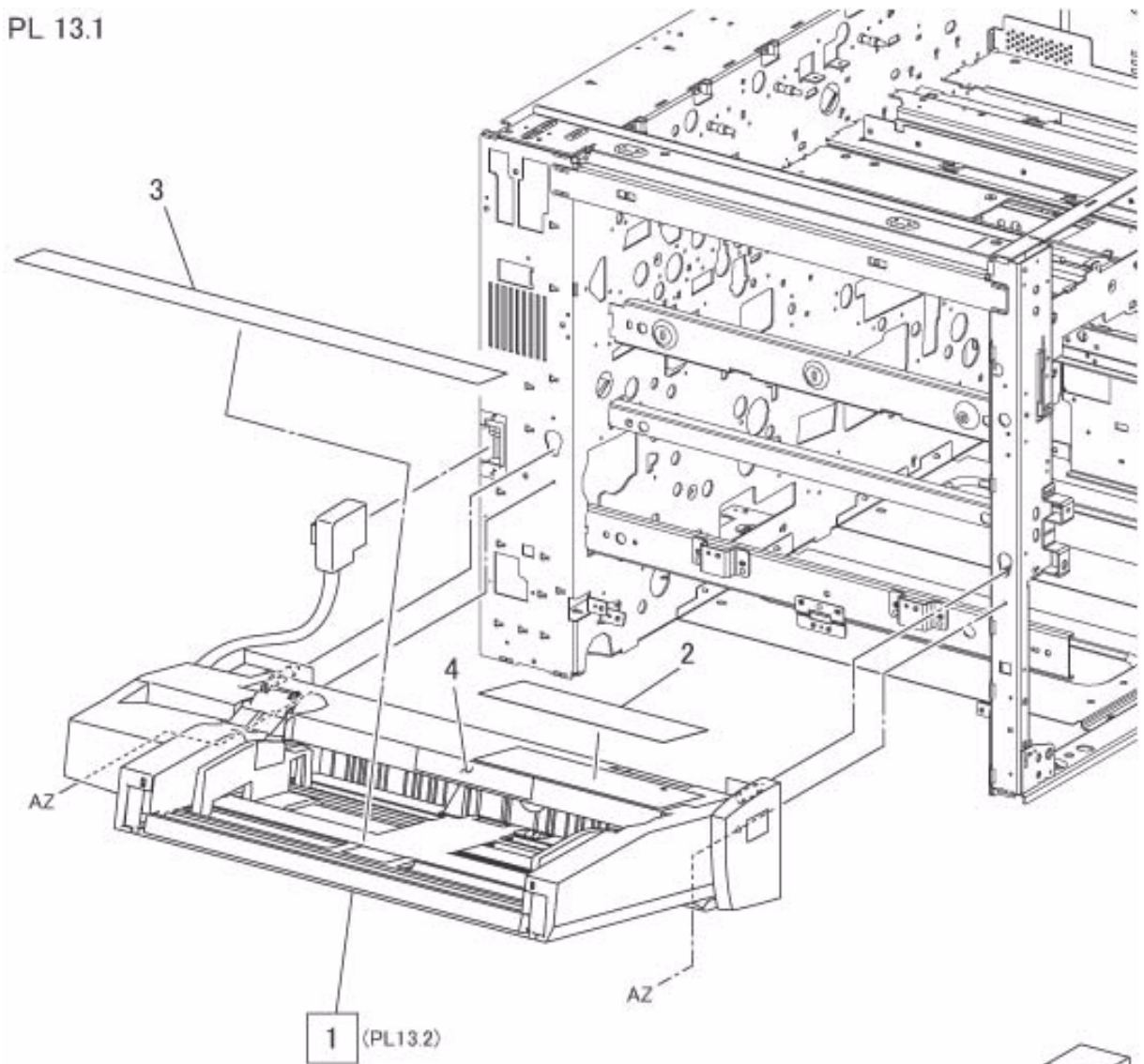


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PL 13.1 MSI Assembly

Item	Parts No	Description	A.C.
1	059K 73905	MSI (PL 13.2) (REP 13.1.1)5110	
2	893E 16281	Label (Instruction)	51B1
3	893E 16292	Label (Size)	51B2
4	893E 38251	Label (Caution)	51B3

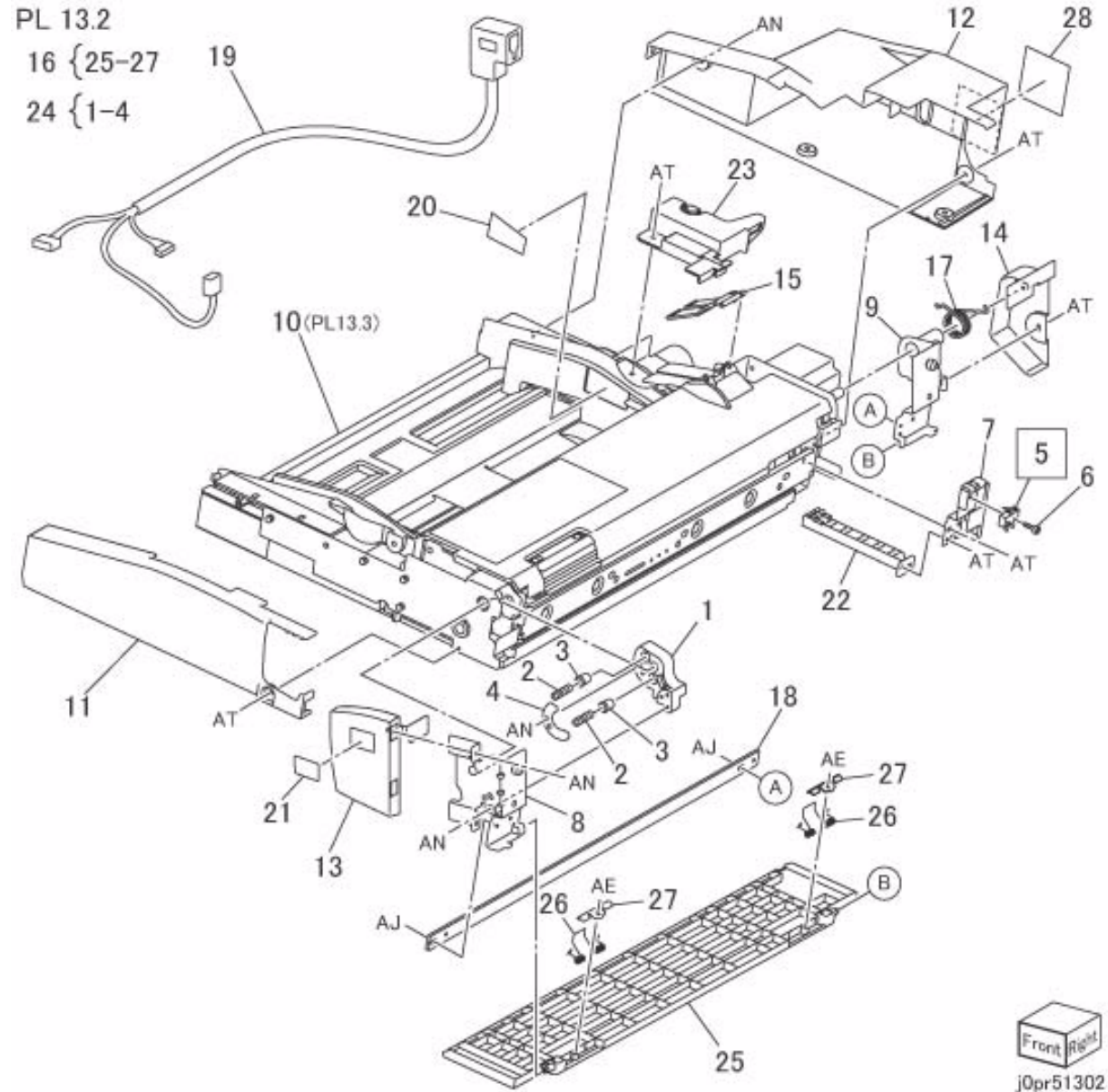
PL 13.1



Front Right
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PL 13.2 MSI Cover

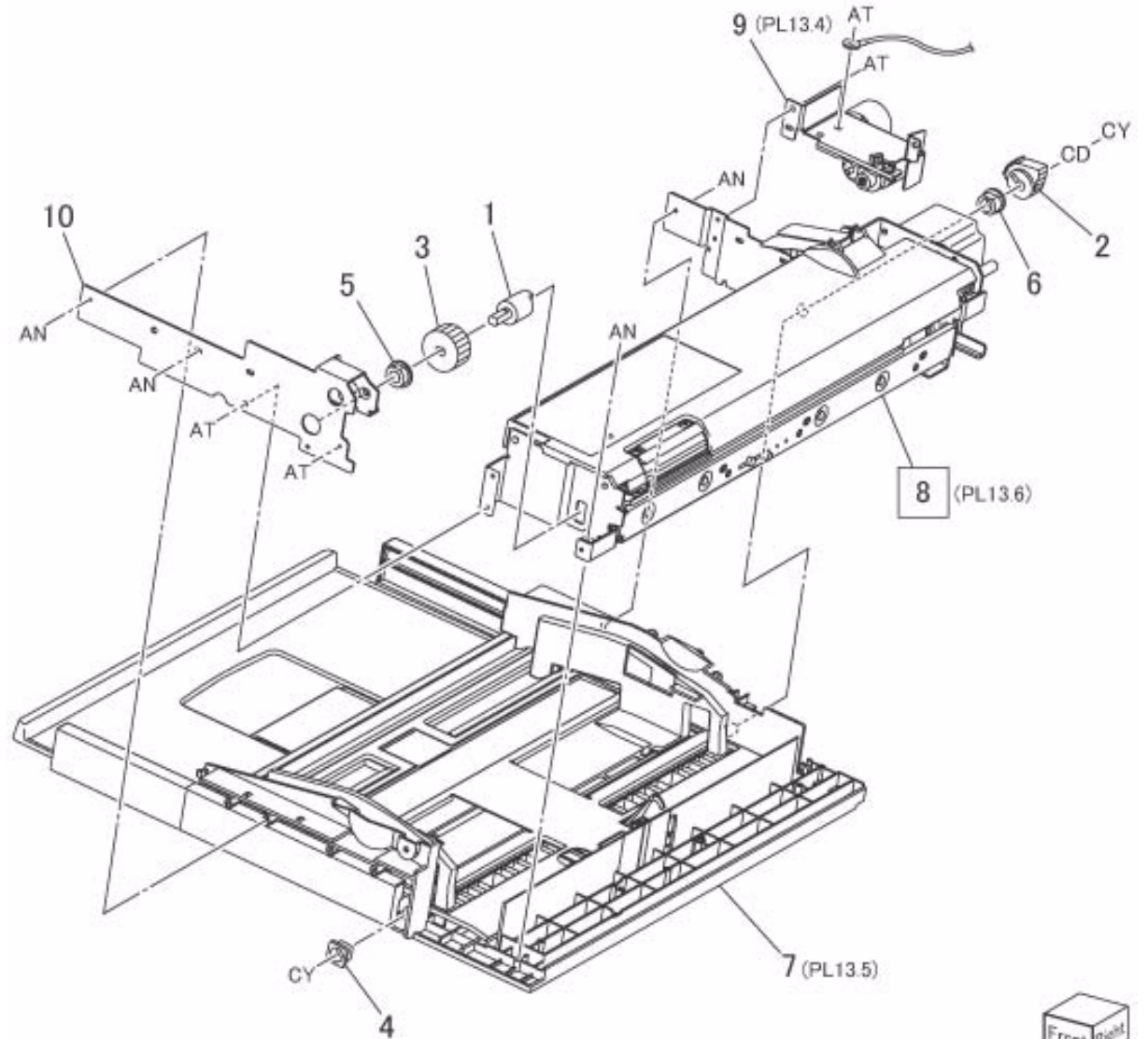
Item	Parts No	Description	A.C.
1	-	Sector Gear (P/O Item 24)51C1	
2	-	Compression Spring (P/O Item 24)51C2	
3	-	Lock Pin (P/O Item 24) 51C3	
4	-	Lock Plate (P/O Item 24) 51C4	
5	110E 11430	(SCC) MSI Cover Interlock Switch (REP 99.1.1)51C5	
6	-	Screw (M2.3x9)	51C6
7	-	Switch Bracket	51C7
8	-	MSI Front Bracket	51C8
9	-	MSI Rear Bracket	51C9
10	-	MSI (PL 13.3)	51CB
11	802E 55621	MSI Front Cover 1	51CC
12	802E 55633	MSI Rear Cover 1	51CD
13	802E 55640	MSI Front Cover 2	51CE
14	802E 55651	MSI Rear Cover 2	51CF
15	802E 63061	Upper Cover	51CG
16	802K 57484	MSI Lower Cover (Item 25-27)51CH	
17	-	Torsion Spring	51CJ
18	-	Lower Plate	51CK
19	962K 17863	MSI Wire Harness	51CL
20	893E 16170	Label (Max)	51CM
21	897E 08310	Label (Number)	51CN
22	-	Harness Guide (P/O Item 16)51CP	
23	802E 70681	Harness Cover	51CQ
24	007K 88783	Lock Gear Assembly (Item 1-4)51CR	
25	802E 55671	MSI Lower Cover	51CS
26	-	Spring (P/O Item 16)	51CT
27	-	Bracket (P/O Item 16)	51CV
28	-	Data Plate	51CW



PL 13.3 MSI Component

Item	Parts No	Description	A.C.
1	-	MSI Damper	51E1
2	007E 79331	Sector Gear	51E2
3	007E 79350	Gear (19T)	51E3
4	013E 23610	Sleeve Bearing	51E4
5	-	Sleeve Bearing	51E5
6	-	Sleeve Bearing	51E6
7	050K 49665	MSI Tray (PL 13.5)	51E7
8	-	MSI Feeder (PL 13.6)(REP 13.3.1)5130	
9	801K 50650	MSI Lift Up Motor (PL 13.4)51E8	
10	-	MSI Front Frame	51E9

PL 13.3

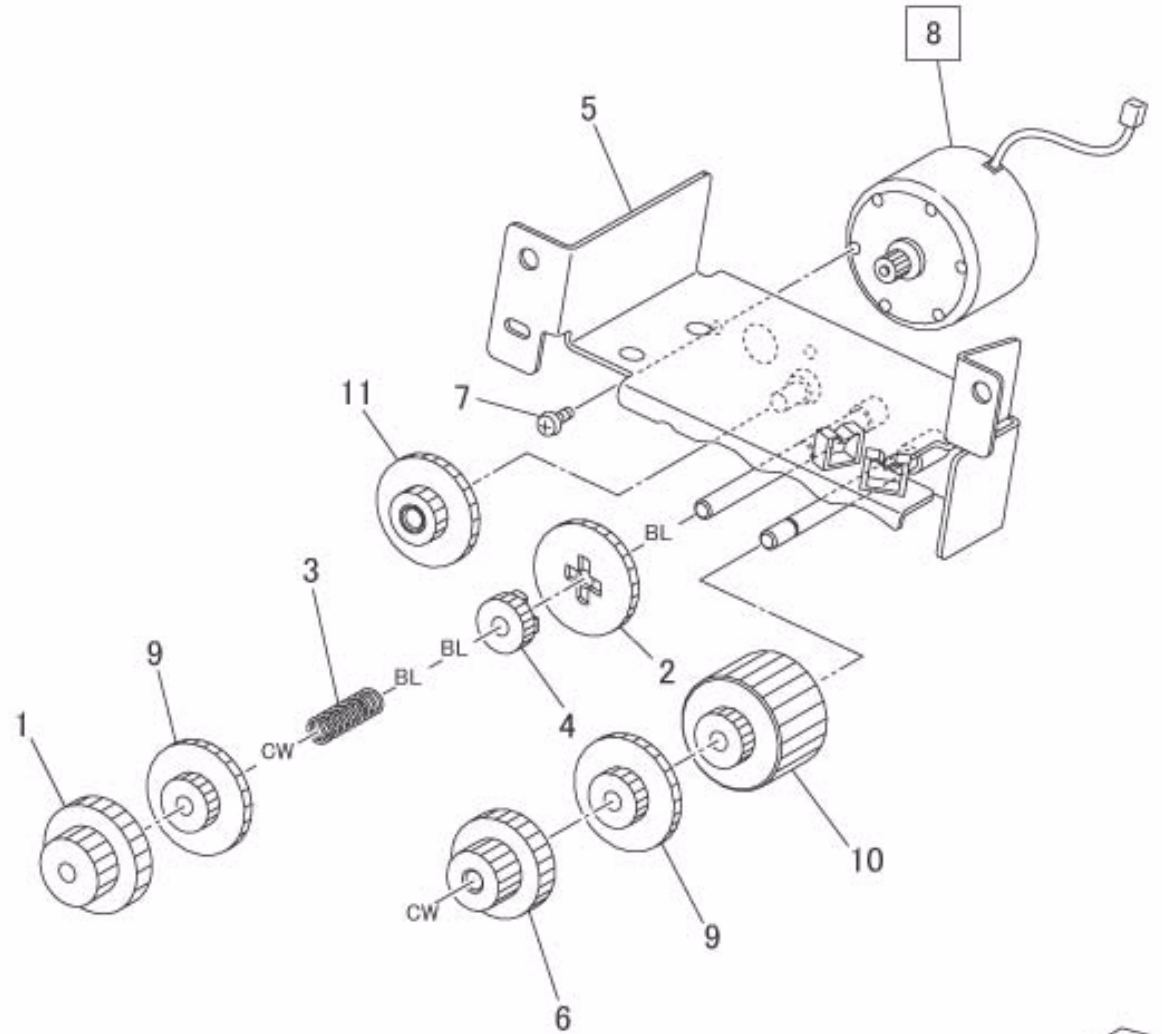


Front Right
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PL 13.4 MSI Lift Up Motor Component

PL 13.4

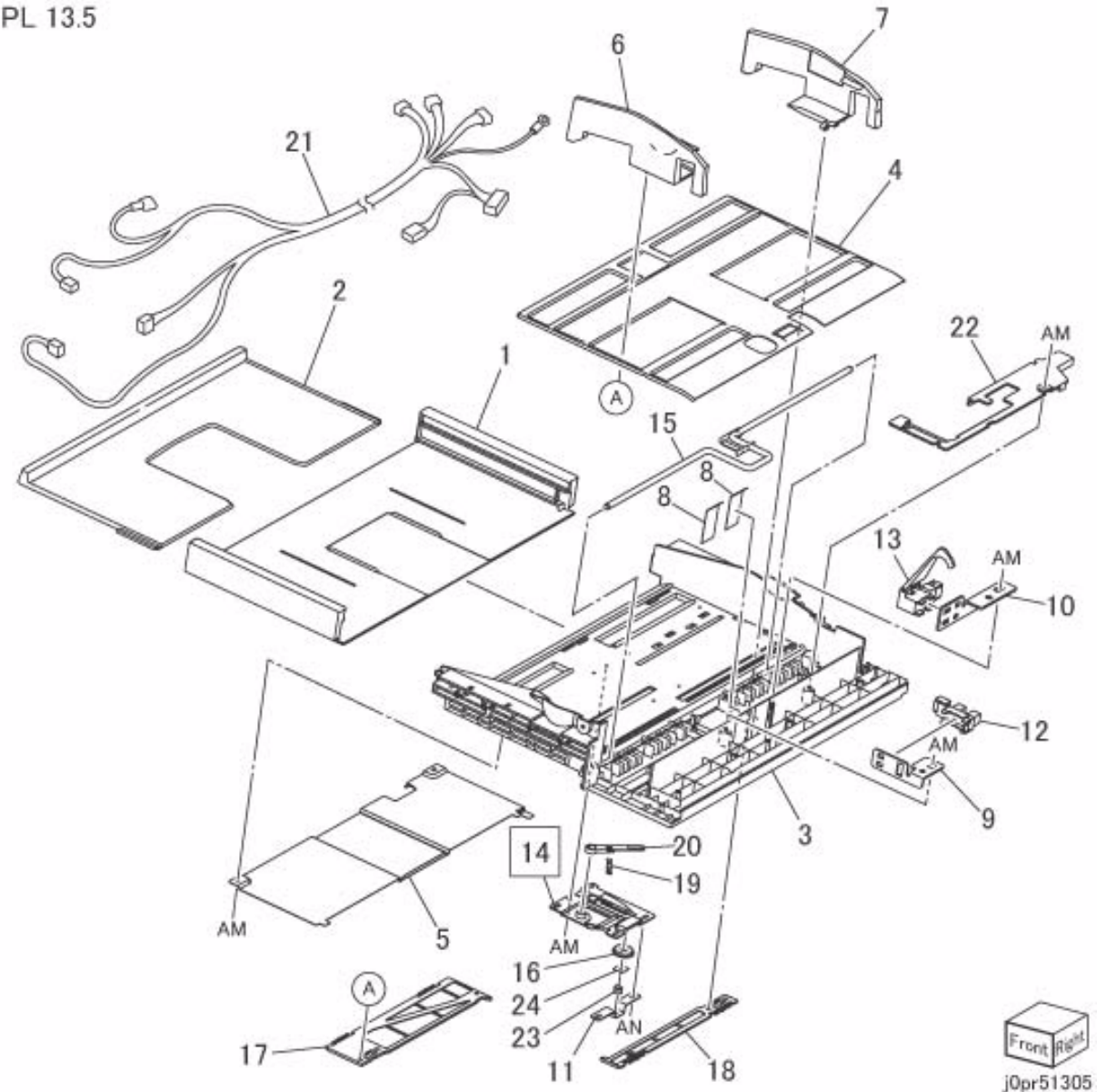
Item	Parts No	Description	A.C.
1	007E 79790	Gear (12T/28T)	51F1
2	007E 79810	Gear (28T)	51F2
3	809E 50062	Compression Spring	51F3
4	007E 79800	Gear (12T)	51F4
5	-	Lift Up Bracket	51F5
6	007E 79340	Gear (10T/20T)	51F6
7	-	Screw (M2.6x2.5)	51F7
8	127K 64831	(SCC) MSI Lift Motor (REP 99.1.1)51F8	
9	007E 22430	Gear (12T/28T)	51F9
10	807E 00480	Gear (12T/28T)	51FB
11	807E 03280	Gear (12T/44T)	51FC



PL 13.5 MSI Tray Component

Item	Parts No	Description	A.C.
1	050E 19810	Lower Tray	51G1
2	050E 19821	Extension Tray	51G2
3	-	MSI Tray	51G3
4	015K 61123	Bottom Plate	51G4
5	802E 55680	Tray Lower Cover	51G5
6	038E 26770	Front Side Guide	51G6
7	038E 26780	Rear Side Guide	51G7
8	038E 30911	Paper Guide	51G8
9	-	Sensor Bracket	51G9
10	-	Sensor Bracket	51GB
11	-	Gear Plate	51GC
12	930W 00112	MSI Down Sensor	51GD
13	130K 64360	MSI Paper Set Sensor	51GE
14	130K 64432	(SCC) MSI Paper Size Sensor (REP 99.1.1)	51GF
15	-	Shaft	51GG
16	-	Pinion Gear	51GH
17	-	Front Rack Gear	51GJ
18	-	Rear Rack Gear	51GK
19	809E 49930	Compression Spring	51GL
20	012E 11760	Sensor Link	51GM
21	-	MSI Tray Wire Harness	51GN
22	-	Harness Cover	51GP
23	-	Gear Spring	51GQ
24	-	Spacer	51GR

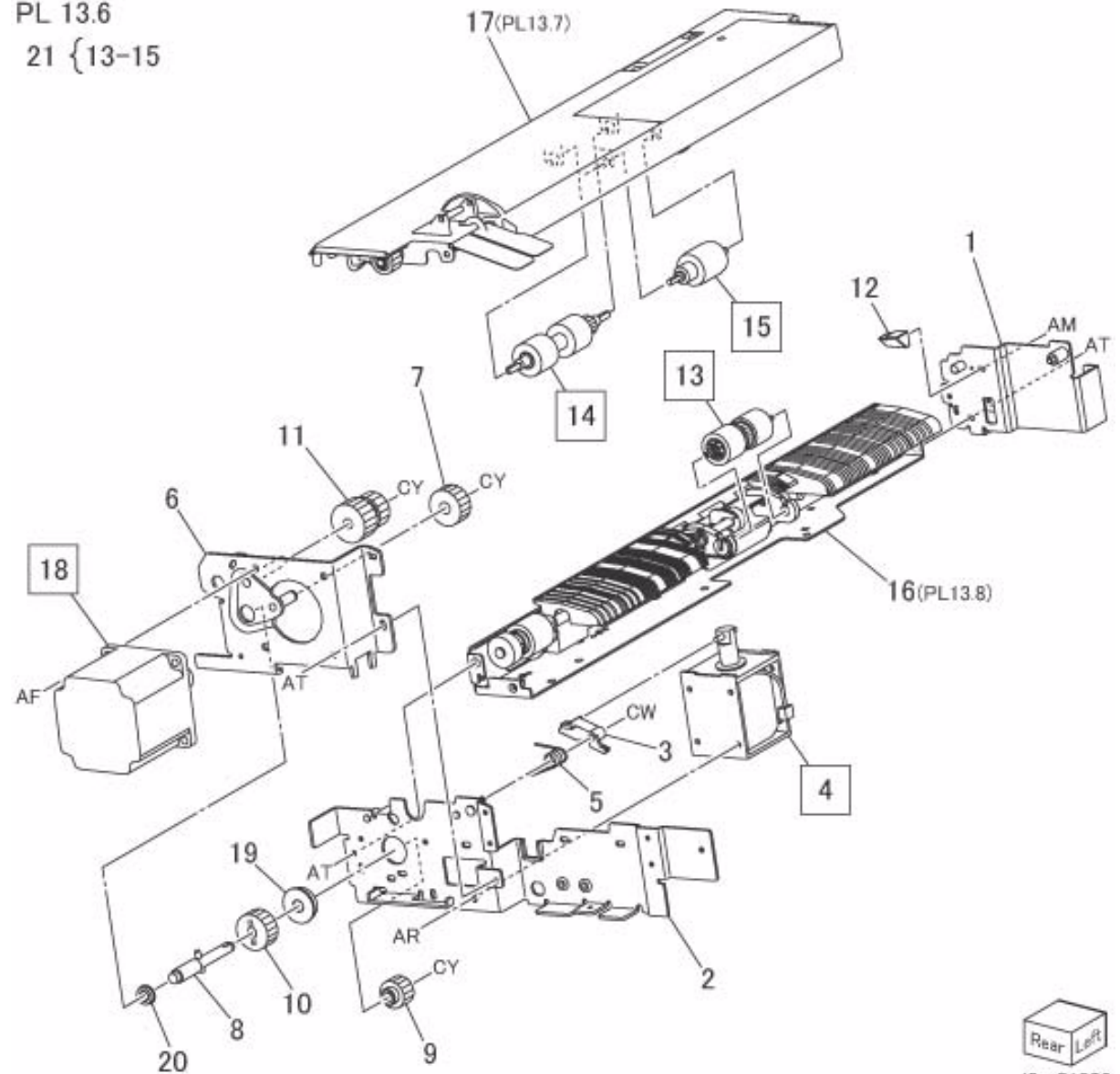
PL 13.5



PL 13.6 MSI Feeder Component

Item	Parts No	Description	A.C.
1	-	MSI Feeder Front Frame	51H1
2	-	MSI Feeder Rear Frame	51H2
3	012E 11041	Solenoid Link	51H3
4	121K 31341	(SCC) MSI Nudger Solenoid (REP 99.1.1)	51H4
5	-	Torsion Spring	51H5
6	-	Motor Bracket	51H6
7	007E 78770	Gear (25T)	51H7
8	-	Shaft	51H8
9	007E 78760	Gear (19T)	51H9
10	007E 78780	Gear (25T)	51HB
11	007K 88730	One Way Clutch Gear (23T/27T)	51HC
12	-	Block	51HD
13	059K 26591	Retard Roll (P/O Item 21)(REP 13.6.1)	5233
14	059K 26691	Feed Roll (P/O Item 21)(REP 13.6.2)	5132
15	059K 26702	Nudger Roll (P/O Item 21)(REP 13.6.3)	5131
16	-	MSI Lower Feeder (PL 13.8)	51HE
17	059K 75861	MSI Upper Feeder (PL 13.7)	51HF
18	127K 38252	(SCC) MSI Feed Motor (REP 99.1.1)	51HG
19	013E 25530	Sleeve Bearing	51HH
20	413W 66250	Ball Bearing	51HJ
21	604K 23660	Feed Roll Kit (Item 13-15)	51HK

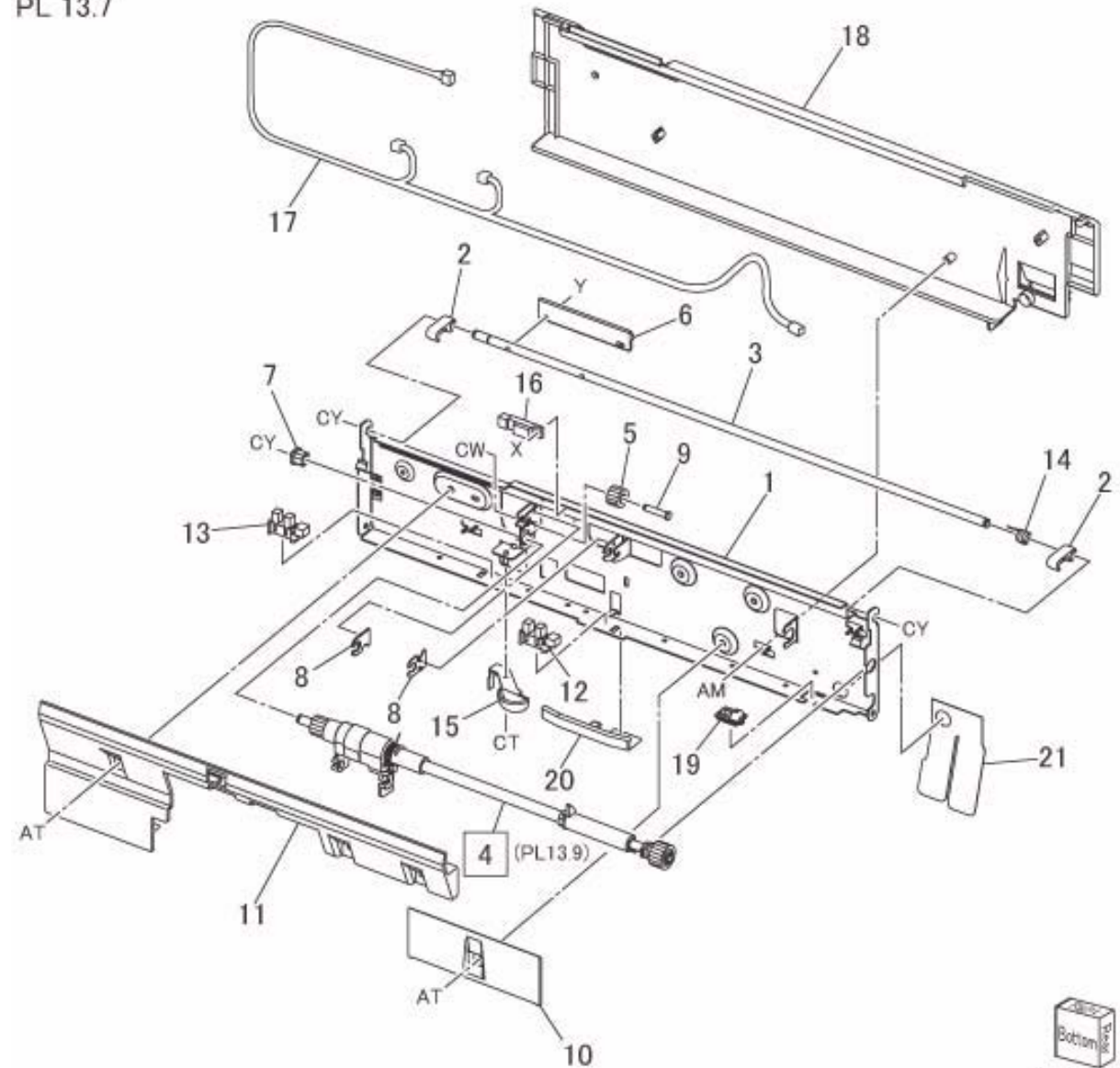
PL 13.6
21 {13-15



PL 13.7 MSI Upper Feeder Component

Item	Parts No	Description	A.C.
1	-	MSI Upper Feeder Frame	51J1
2	003E 59570	Latch	51J2
3	-	Latch Shaft	51J3
4	006K 23314	Feed/Nudger Shaft (PL 13.9)(REP 13.7.1)	51J4
5	007E 78180	Gear (Spur 25T)	51J5
6	-	Lever	51J6
7	013E 25540	Sleeve Bearing	51J7
8	-	Spacer	51J8
9	-	Pin	51J9
10	-	Upper Rear Chute	51JB
11	-	Upper Chute	51JC
12	930W 00112	MSI Lift Up Sensor	51JD
13	930W 00112	MSI No Paper Sensor	51JE
14	-	Torsion Spring	51JF
15	120E 21900	Actuator	51JG
16	930W 00211	MSI Pre Feed Sensor	51JH
17	-	MSI Upper Feeder Wire Harness	51JJ
18	802E 55662	MSI Upper Feeder Cover	51JK
19	-	Guide	51JL
20	-	Upper Guide	51JM
21	-	Solenoid Guide	51JN

PL 13.7

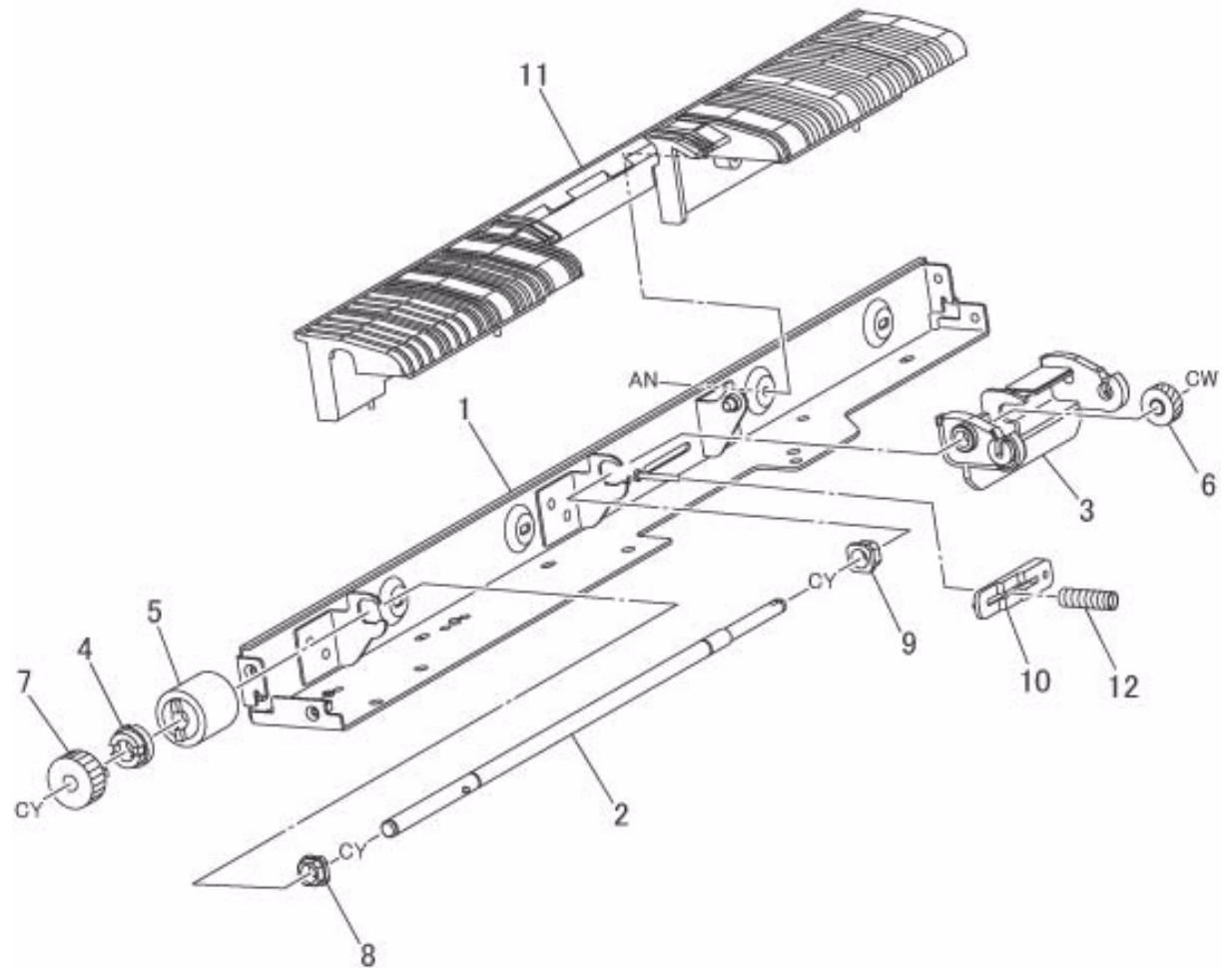


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PL 13.8 MSI Lower Feeder Component

Item	Parts No	Description	A.C.
1	-	MSI Lower Feeder Frame 51K1	
2	-	Retard Shaft (P/O Item 13)51K2	
3	-	Retard Bracket (P/O Item 13)51K3	
4	-	Collar (P/O Item 13) 51K4	
5	-	Friction Clutch (P/O Item 13)51K5	
6	007E 78170	Gear (Helical 15T)	51K6
7	007E 89760	Gear (Spur 22T)	51K7
8	-	Sleeve Bearing (Length : 5mm)(P/O Item 13)51K8	
9	013E 23610	Sleeve Bearing (Length : 6.6mm)51K9	
10	-	Retard Slide	51KB
11	-	Lower Chute	51KC
12	809E 41221	Compression Spring	51KD
13	006K 23135	Retard Shaft Assembly (Item 2-9)51KE	

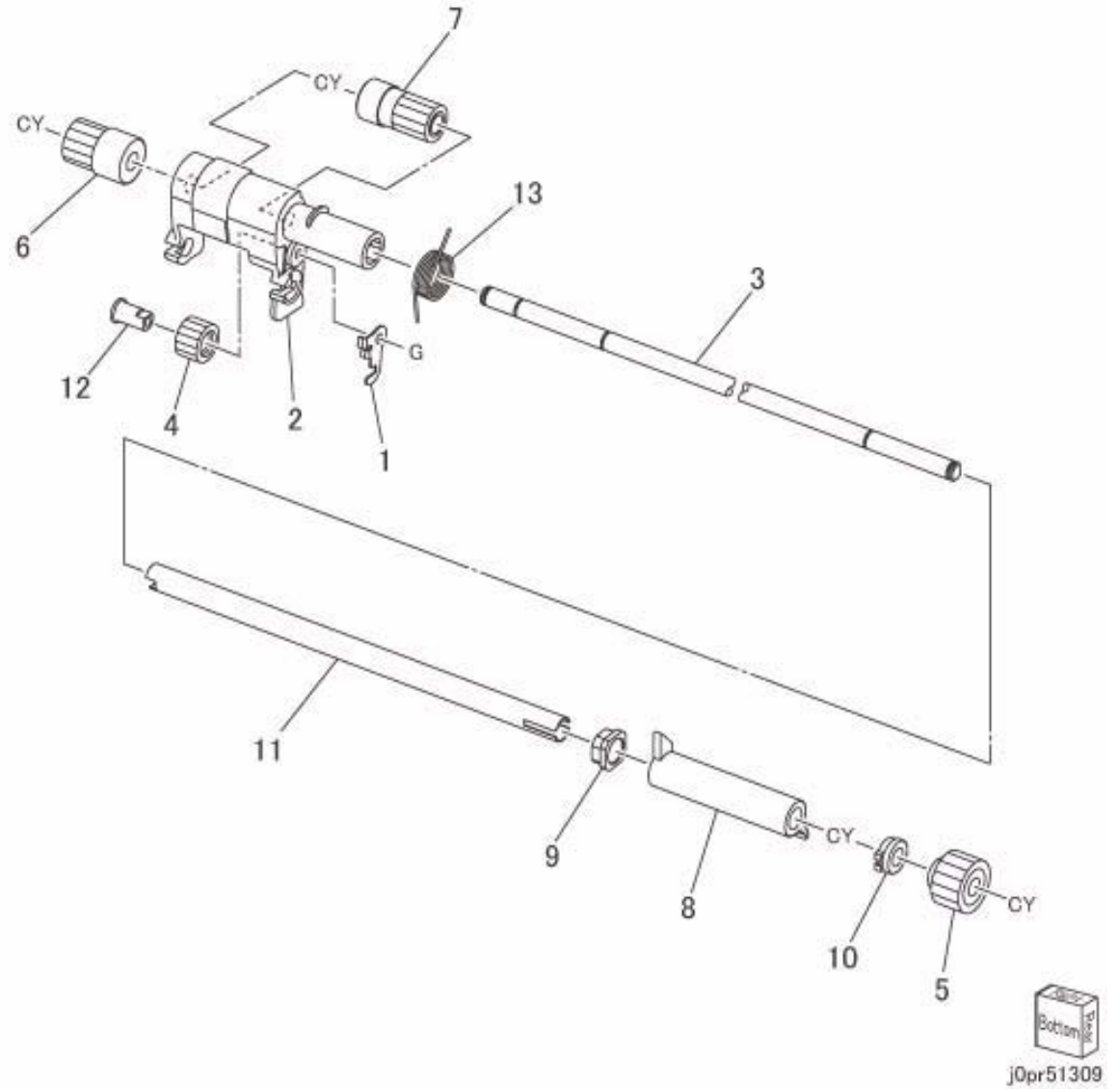
PL 13.8
13 {2-9}



PL 13.9 Feed/Nudger Shaft Component

Item	Parts No	Description	A.C.
1	-	Nudger Support	51L1
2	-	Nudger Bracket	51L2
3	-	Shaft	51L3
4	007E 78110	Gear (23T)	51L4
5	807E 02150	Gear (20T)	51L5
6	007K 88540	One Way Clutch Gear (26T)51L6	
7	007K 88550	One Way Clutch Gear (22T)51L7	
8	-	Nudger Lever	51L8
9	-	Sleeve Bearing	51L9
10	-	Sleeve Bearing	51LB
11	-	Spacer	51LC
12	-	Pin	51LD
13	-	Torsion Spring	51LE

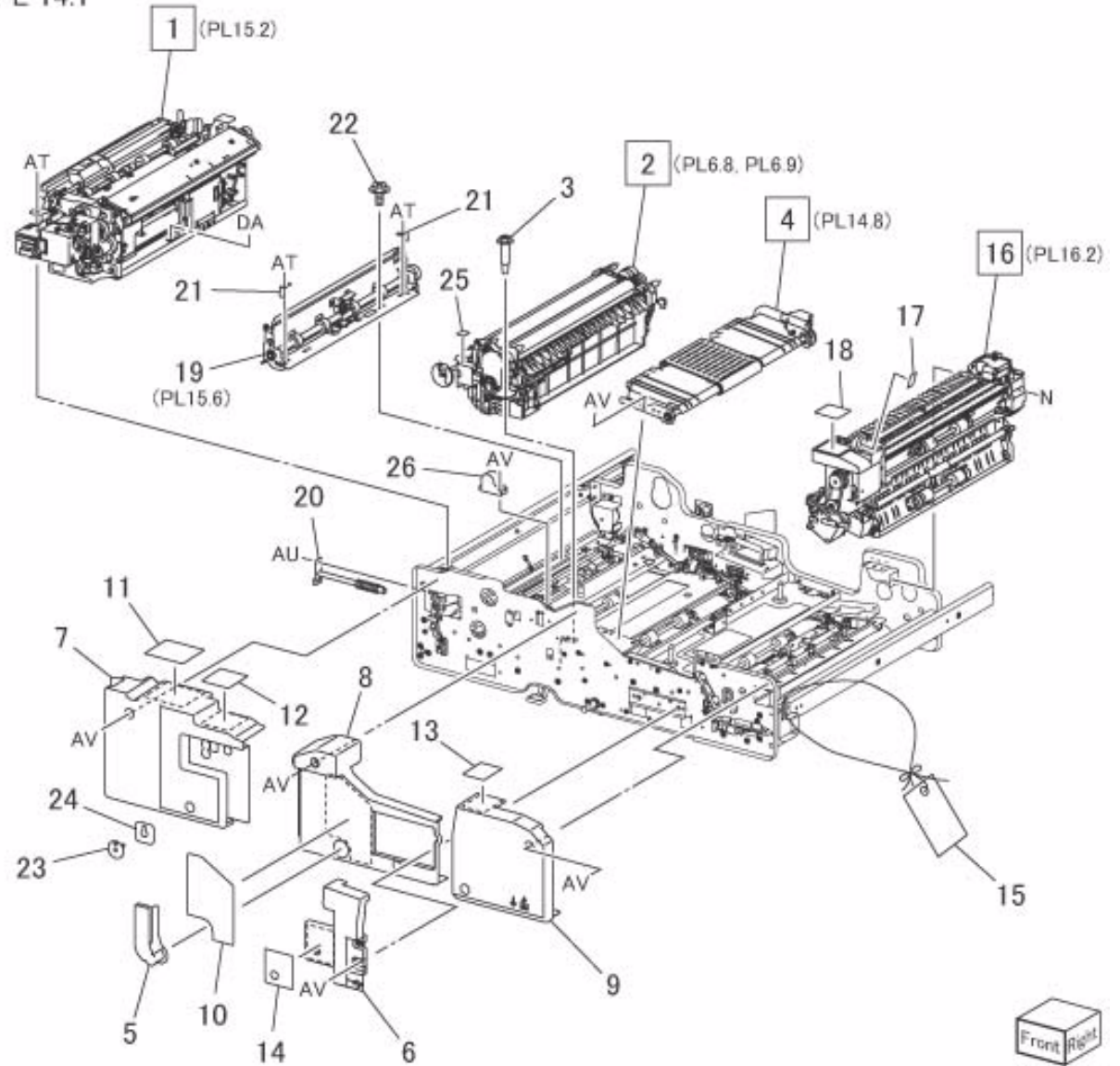
PL 13.9



PL 14.1 Drawer Unit

Item	Parts No	Description	A.C.
1	059K 79341	Registration Transport Assembly (PL 15.2)(REP 14.1.1)5310	
2	059K 79310	2ND BTR Roll Assembly (PL 6.8,PL 6.9)(REP 14.1.2) 52B1	
3	029E 35540	Guide Pin	52B2
4	059K 33528	V-transport Assembly (PL 14.8)(REP 14.1.4)6120	
5	003E 61300	Knob	52B3
6	003E 78732	Fusing Unit Handle	52B4
7	848E 13050	Left Drawer Cover	52B5
8	848E 21050	Center Drawer Cover	52B6
9	848E 21060	Right Drawer Cover	52B7
10	896E 80900	Drawer Lock Label	52B8
11	896E 80910	Instruction Label (2a)	52B9
12	896E 80920	Instruction Label (2d)	52BB
13	896E 80930	Instruction Label (2b 2c)	52BC
14	896E 64110	Label	52BD
15	-	Drawer Tag Assembly (Package)52BE	
16	059K 76050	Inverter Transport Assembly (PL 16.2)(REP 14.1.3) 5240	
17	896E 82340	Label (2c)	52BF
18	896E 80861	Label	52BG
19	054K 34491	Transport Chute Assembly (PL 15.6)52BH	
20	068K 52840	Spring Bracket Assembly 52BJ	
21	-	Free Spring	52BK
22	-	Tapping Screw	52BL
23	-	Indicator Stopper (Package)52BM	
24	-	Spacer (Package)	52BN
25	-	Label (Static Caution)	52BP
26	-	Connector Cover	52BQ

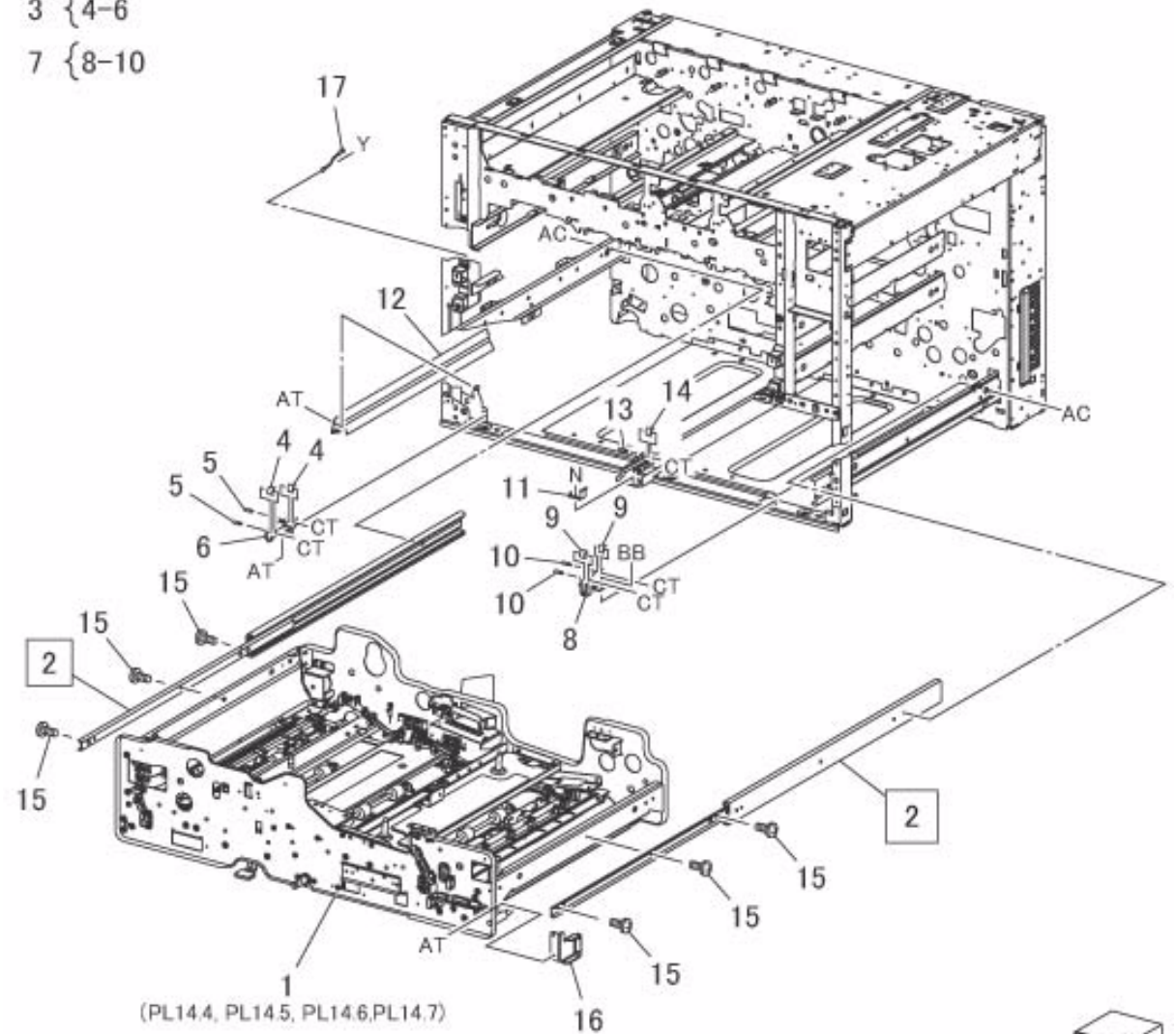
PL 14.1



PL 14.2 Drawer Assembly

Item	Parts No	Description	A.C.
1	050K 69951	Drawer Assembly (PL 14.4,PL 14.5,PL 14.6,PL 14.7) 52C1	
2	801K 25662	Drawer Rail (REP 14.2.1)52C2	
3	038K 87833	Left Guide Assembly (Item 4-6)52C3	
4	-	Roller (P/O Item 3)	52C4
5	-	Shaft (P/O Item 3)	52C5
6	-	Guide Bracket (P/O Item 3)52C6	
7	032K 05320	Right Guide Assembly (Item 8-10)52C7	
8	-	Guide Bracket (P/O Item 7)52C8	
9	-	Roller (P/O Item 7)	52C9
10	-	Shaft (P/O Item 7)	52CB
11	014E 45620	Drawer Cam Block	52CC
12	-	Duplex Chute	52CD
13	-	Roller	52CE
14	-	Guide Shaft	52CF
15	-	Screw	52CG
16	868E 14900	Drawer Bracket	52CH
17	130K 88740	Out ENV. Sensor	52CJ

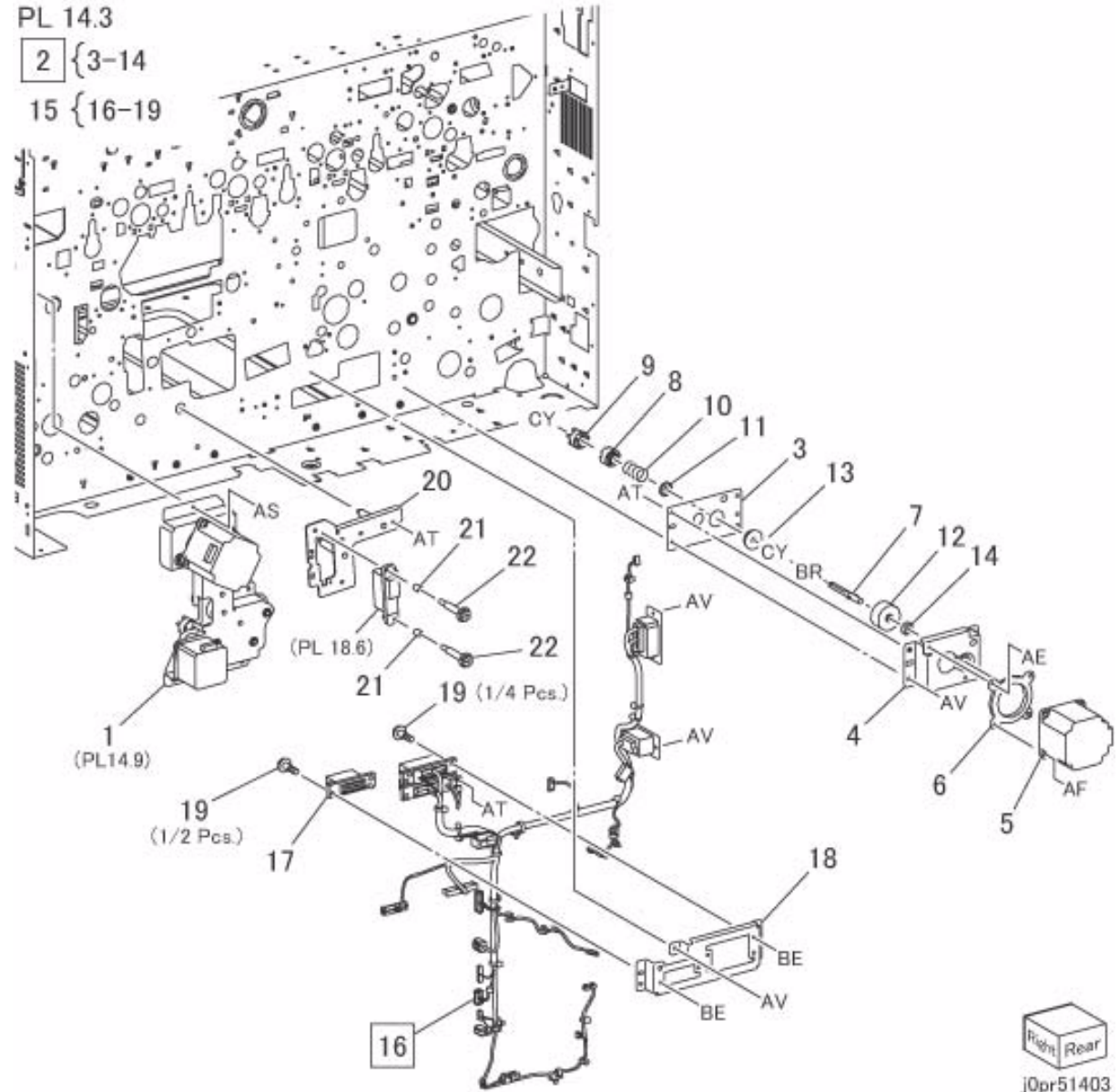
PL 14.2
3 {4-6
7 {8-10



Front Right
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PL 14.3 Drawer Connection (Rear)

Item	Parts No	Description	A.C.
1	007K 14852	Decurler/Inverter Drive Assembly (PL 14.9)52D1	
2	068K 59340	DUP Motor Assembly (Item 3-14)(REP 14.3.1)5250	
3	-	Coupling Bracket (P/O Item 2)52D2	
4	-	Bracket Motor (P/O Item 2)52D3	
5	127K 52720	DUP Motor	5251
6	-	Damper (P/O Item 2)	52D4
7	-	Shaft Assembly (P/O Item 2)52D5	
8	005E 24311	Slide Coupling	52D6
9	005E 24320	Coupling	52D7
10	-	Spring (P/O Item 2)	52D8
11	-	Retainer (P/O Item 2)	52D9
12	-	Helical Gear (34T)(P/O Item 2)52DB	
13	413W 06650	Bearing (P/O Item 2)	52DC
14	413W 75659	Bearing (P/O Item 2)	52DD
15	952K 04201	Wire Harness Assembly (Item 16-19)52DE	
16	952K 04191	(SCC) Wire Harness(REP 99.1.1)52DF	
17	-	Connector (P/O Item 15) 52DG	
18	-	Connector Bracket (P/O Item 15)52DH	
19	-	Shoulder Screw (P/O Item 15)52DJ	
20	-	Stud Assembly	52DK
21	809E 49990	Spring	52DL
22	826E 08080	Shoulder Screw	52DM



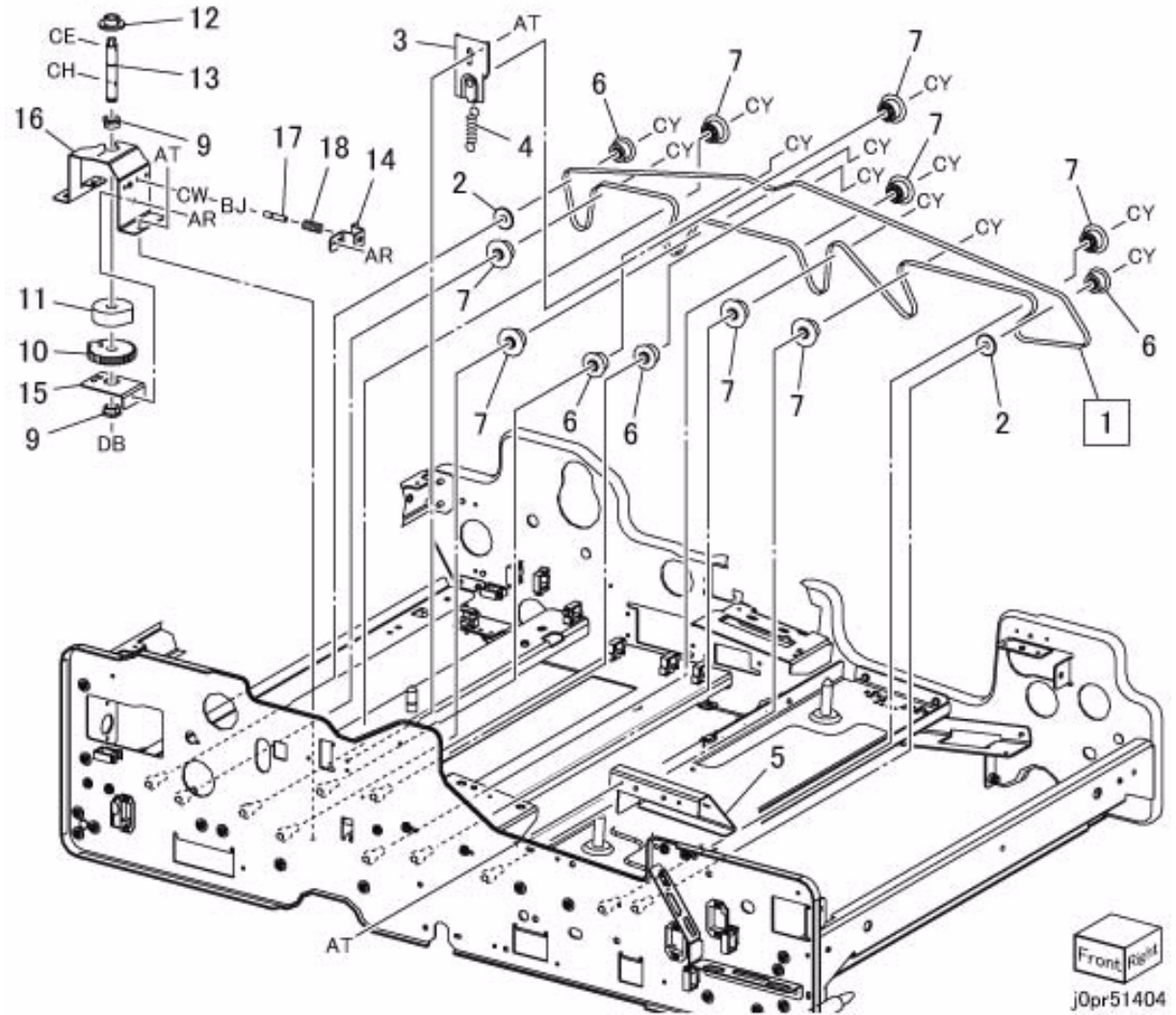
PL 14.4 Drawer Assembly (1 of 4)

Item	Parts No	Description	A.C.
1	023E 27010	Duplex Transport Drive Belt (REP 14.4.1)52E1	
2	-	Belt Washer	52E2
3	-	Tension Bracket	52E3
4	809E 76160	Spring	52E4
5	-	Bracket	52E5
6	-	Pulley	52E6
7	-	Idler Pulley	52E7
8	068K 52920	Unit Move Bracket Assembly (Item 9-18)52E8	
9	413W 11860	Sleeve Bearing	52E9
10	-	Cam (P/O Item 19)	52EB
11	-	Position Cam (P/O Item 19)52EC	
12	-	Position Knob (P/O Item 19)52ED	
13	-	Shaft (P/O Item 19)	52EE
14	-	Pin Bracket (P/O Item 8) 52EF	
15	-	Shaft Bracket (P/O Item 8)52EG	
16	-	Base Bracket (P/O Item 8)52EH	
17	-	Stopper Shaft (P/O Item 8)52EJ	
18	-	Spring (P/O Item 8)	52EK
19	006K 86200	Position Cam Assembly (Item 9-13)52EL	

PL 14.4

8 {9-18

19 {9-13



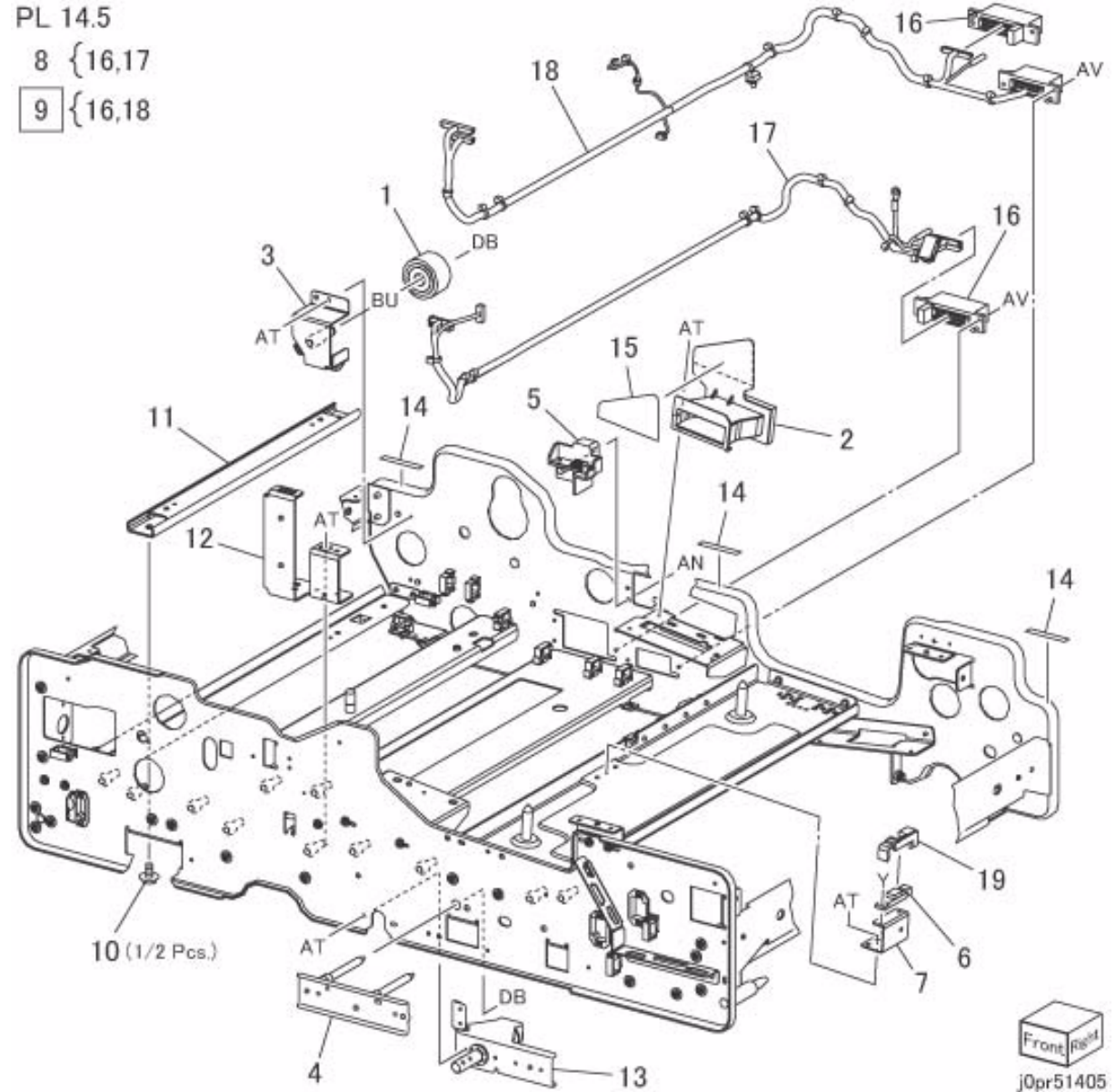
PL 14.5 Drawer Assembly (2 of 4)

Item	Parts No	Description	A.C.
1	-	Coupling Gear (33T)	52F1
2	-	Duct	52F2
3	-	Bracket	52F3
4	068K 59060	Bracket Assembly	52F4
5	113K 82972	Connector Assembly	52F5
6	130K 87770	Fusing Unit Entrance Sensor	52F6
7	-	Bracket	52F7
8	962K 61860	Wire Harness Assembly (Item 16,17)	52F8
9	952K 04240	(SCC) Wire Harness Assembly (Item 16,18)(REP 99.1.1)	52F9
10	-	Screw	52FB
11	801K 25691	Rail Assembly	52FC
12	-	Harness Bracket	52FD
13	003K 13455	Drawer Latch Assembly	52FE
14	-	Caution Label	52FF
15	-	Label	52FG
16	913W 12114	Connector	52FH
17	-	Wire Harness (P/O Item 8)	52FJ
18	-	Wire Harness (P/O Item 9)	52FK
19	-	Sensor Cover	52FL

PL 14.5

8 {16,17

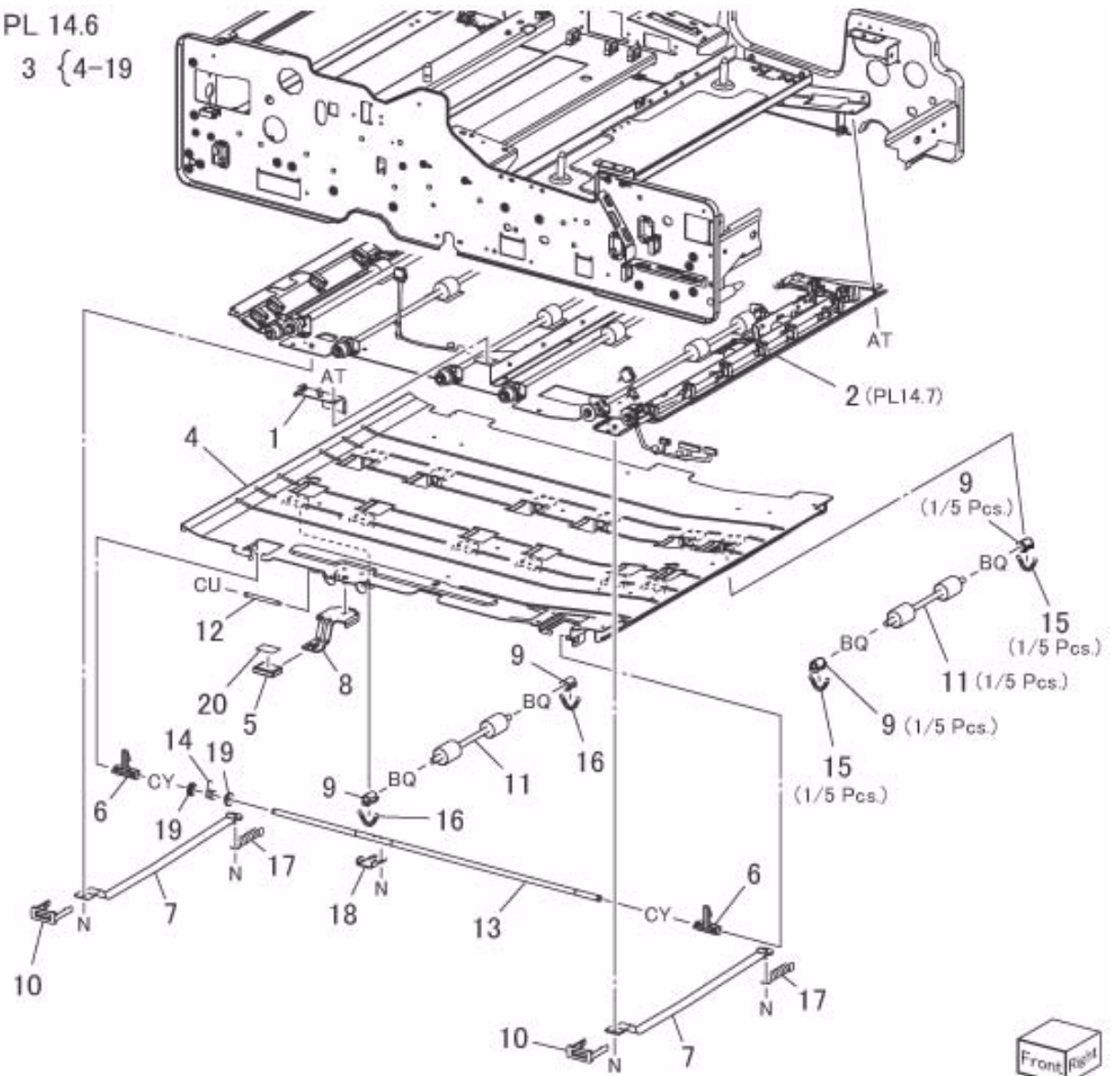
9 {16,18



PL 14.6 Drawer Assembly (3 of 4)

Item	Parts No	Description	A.C.
1	—	Harness Bracket	52G1
2	054K 49170	Duplex Upper Chute Assembly (PL 14.7)	52G2
3	054K 35941	Duplex Lower Chute Assembly (Item 4-19)	52G3
4	—	Duplex Low Chute (P/O Item 3)	52G4
5	003E 62801	Knob	52G5
6	003E 76610	Latch Hook	52G6
7	003K 16280	Tape Stopper	52G7
8	011E 15250	Lever	52G8
9	013E 27050	Bearing (P/O Item 3)	52G9
10	—	Tape Guide (P/O Item 3)	52GB
11	059K 55560	Pinch Roll	52GC
12	—	Shaft Lever (P/O Item 3)	52GD
13	—	Shaft Latch (P/O Item 3)	52GE
14	—	Spring (P/O Item 3)	52GF
15	809E 76140	Pinch Spring (5N)	52GG
16	809E 76150	Pinch Spring (15N)	52GH
17	—	Spring (P/O Item 3)	52GJ
18	—	Bracket (P/O Item 3)	52GK
19	413W 75659	Bearing	52GL
20	896E 80890	Label (2d)	52GM

PL 14.6
3 {4-19

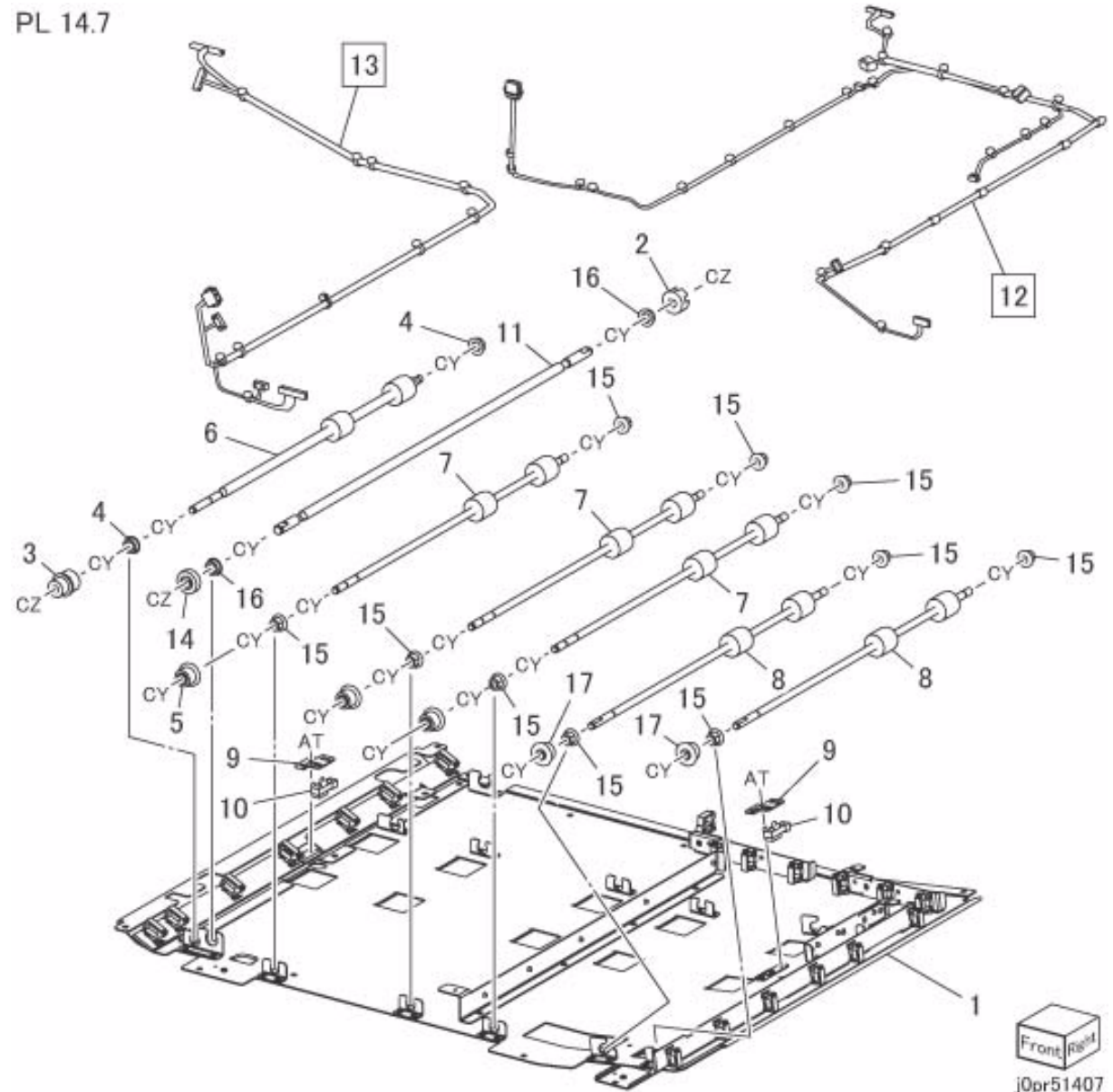


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PL 14.7 Drawer Assembly (4 of 4)

Item	Parts No	Description	A.C.
1	-	Duplex Up Chute	52H1
2	005E 24340	Coupling	52H2
3	005K 08740	Clutch	52H3
4	013E 17670	Bearing	52H4
5	020K 10740	Pulley	52H5
6	059K 54430	Duplex Out Roll	52H6
7	059K 54440	Duplex Roll	52H7
8	059K 55960	Duplex In Roll	52H8
9	-	Sensor Bracket	52H9
10	930W 00212	DUP In Sensor	52HB
-	930W 00212	DUP Out Sensor	52HB
11	-	Shaft	52HC
12	952K 04230	(SCC) Wire Harness(REP 99.1.1)52HD	
13	952K 04220	(SCC) Wire Harness(REP 99.1.1)52HE	
14	-	Helical Gear	52HF
15	413W 75959	Bearing	52HG
16	413W 88650	Ball Bearing	52HH
17	499W 14124	Pulley	52HJ

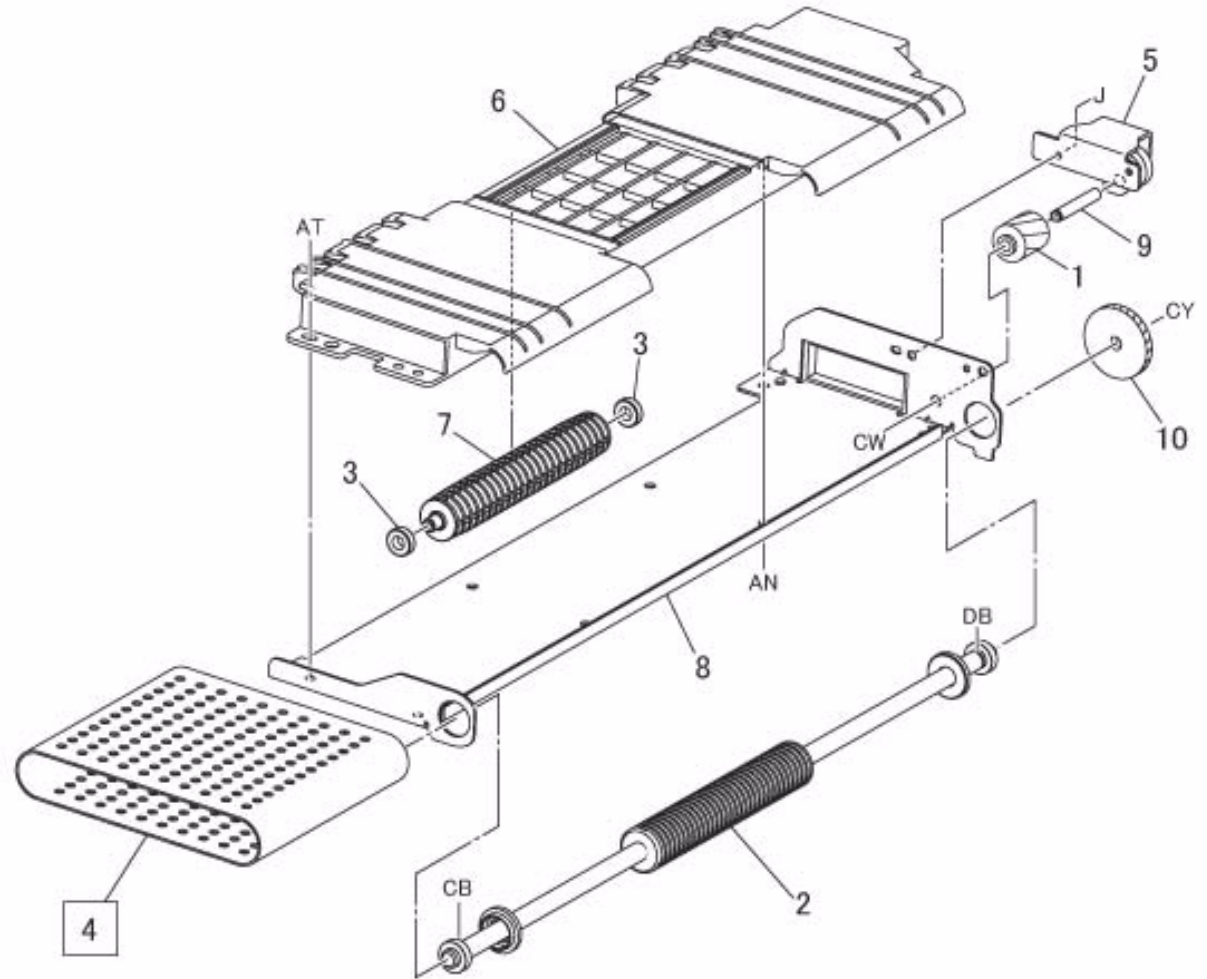
PL 14.7



PL 14.8 V-Transport Assembly

Item	Parts No	Description	A.C.
1	807E 03370	Gear (15T)	52J1
2	006K 23690	Shaft	52J2
3	413W 93250	Ball Bearing	52J3
4	023E 21401	Transport Belt (REP 14.8.1)6121	
5	030K 76292	Bracket	52J4
6	-	Transport Chute	52J5
7	059E 99400	Roller	52J6
8	-	Frame Assembly	52J7
9	-	Shaft	52J8
10	807E 03350	Gear (29T)	52J9

PL 14.8

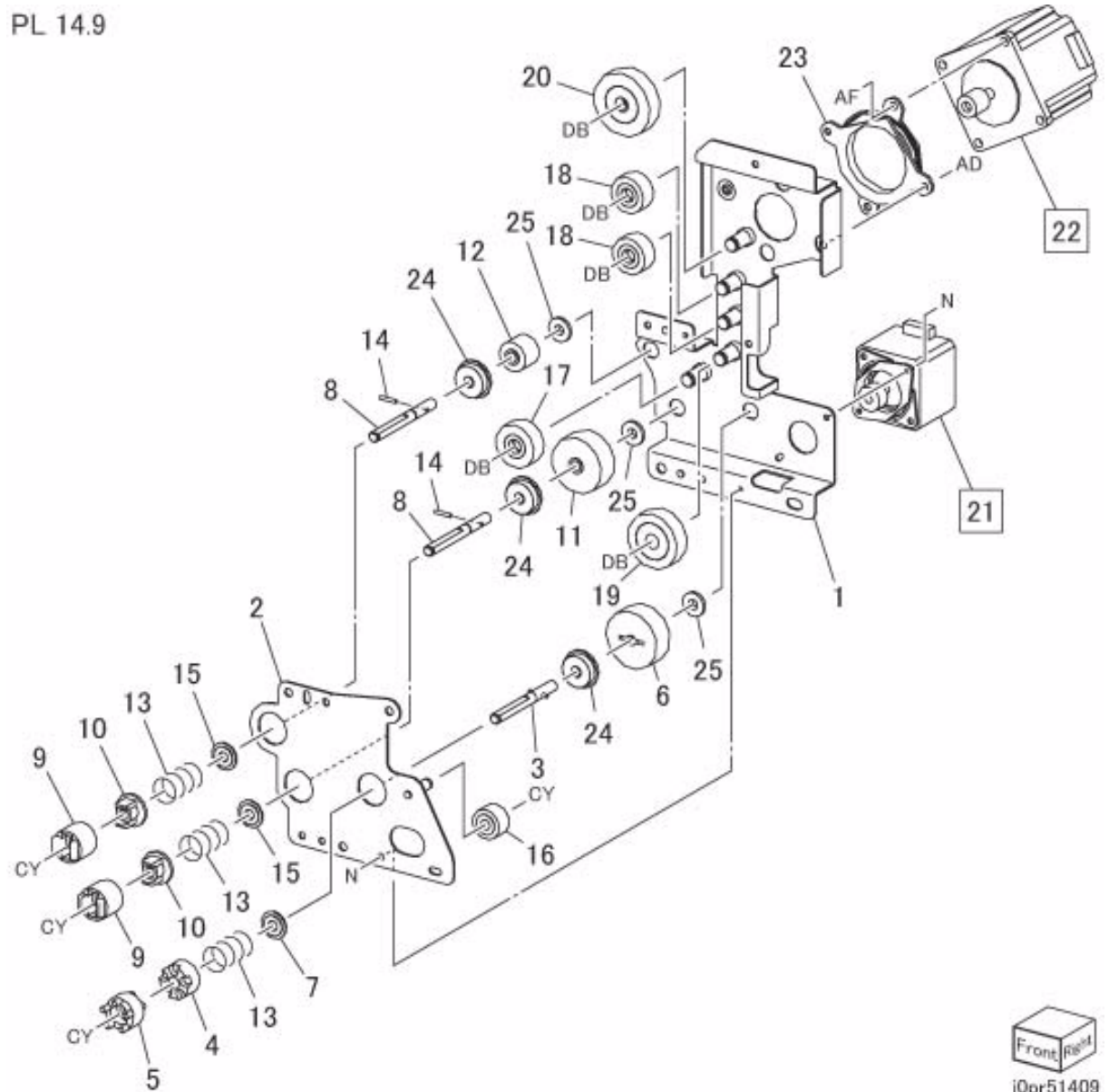


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PL 14.9 Decurler/Inverter Drive Assembly

Item	Parts No	Description	A.C.
1	-	Gear Bracket Assembly	52K1
2	-	Plate Assembly	52K2
3	-	Inverter Coupling Shaft Assembly	52K3
4	005E 24311	Slide Coupling	52K4
5	005E 24320	Transmitter Coupling	52K5
6	807E 18940	Idle Gear (38T)	52K6
7	-	Retainer	52K7
8	-	Coupling Shaft	52K8
9	005E 25961	Coupling	52K9
10	005E 25971	Slide Coupling	52KB
11	807E 23912	Gear (39T)	52KC
12	807E 23922	Helical Gear (19T)	52KD
13	809E 42000	Spring	52KE
14	-	Pin	52KF
15	-	Retainer	52KG
16	807E 22210	Idle Gear (19T)	52KH
17	007K 15120	Gear (39T)	52KJ
18	007K 15100	Gear (25T)	52KK
19	007K 15110	Gear (30T)	52KL
20	007K 15130	Gear (45T)	52KM
21	127K 51900	(SCC) Invert In Motor (REP 99.1.1)52KN	
22	127K 58250	(SCC) Decurler PENE Up Motor (REP 99.1.1)52KP	
23	-	Motor Damper	52KQ
24	413W 06650	Bearing	52KR
25	413W 75659	Bearing	52KS

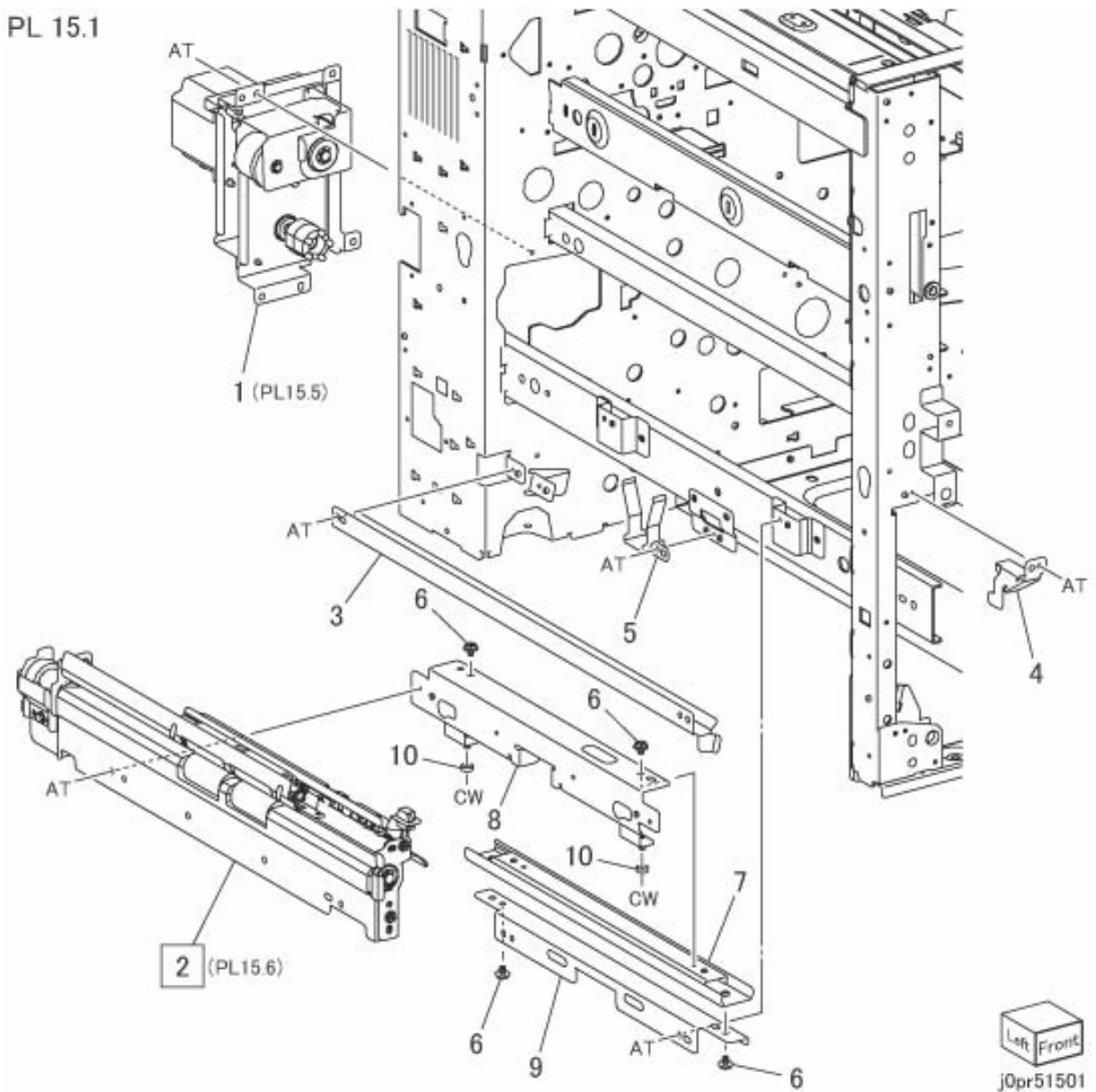
PL 14.9



PL 15.1 Registration Unit

Item	Parts No	Description	A.C.
1	007K 98040	Registration Drive Assembly (PL 15.5)53B1	
2	054K 35960	MSI Chute Assembly (PL 15.6)(REP 15.1.1)53B2	
3	054E 33420	L/H Chute	53B3
4	-	Latch Bracket	53B4
5	-	Slide Spring	53B5
6	-	Tapping Screw	53B6
7	-	MSI Chute Rail	53B7
8	-	Rail Inner Bracket	53B8
9	-	Rail Outer Bracket	53B9
10	-	Lever Bearing	53BB

PL 15.1

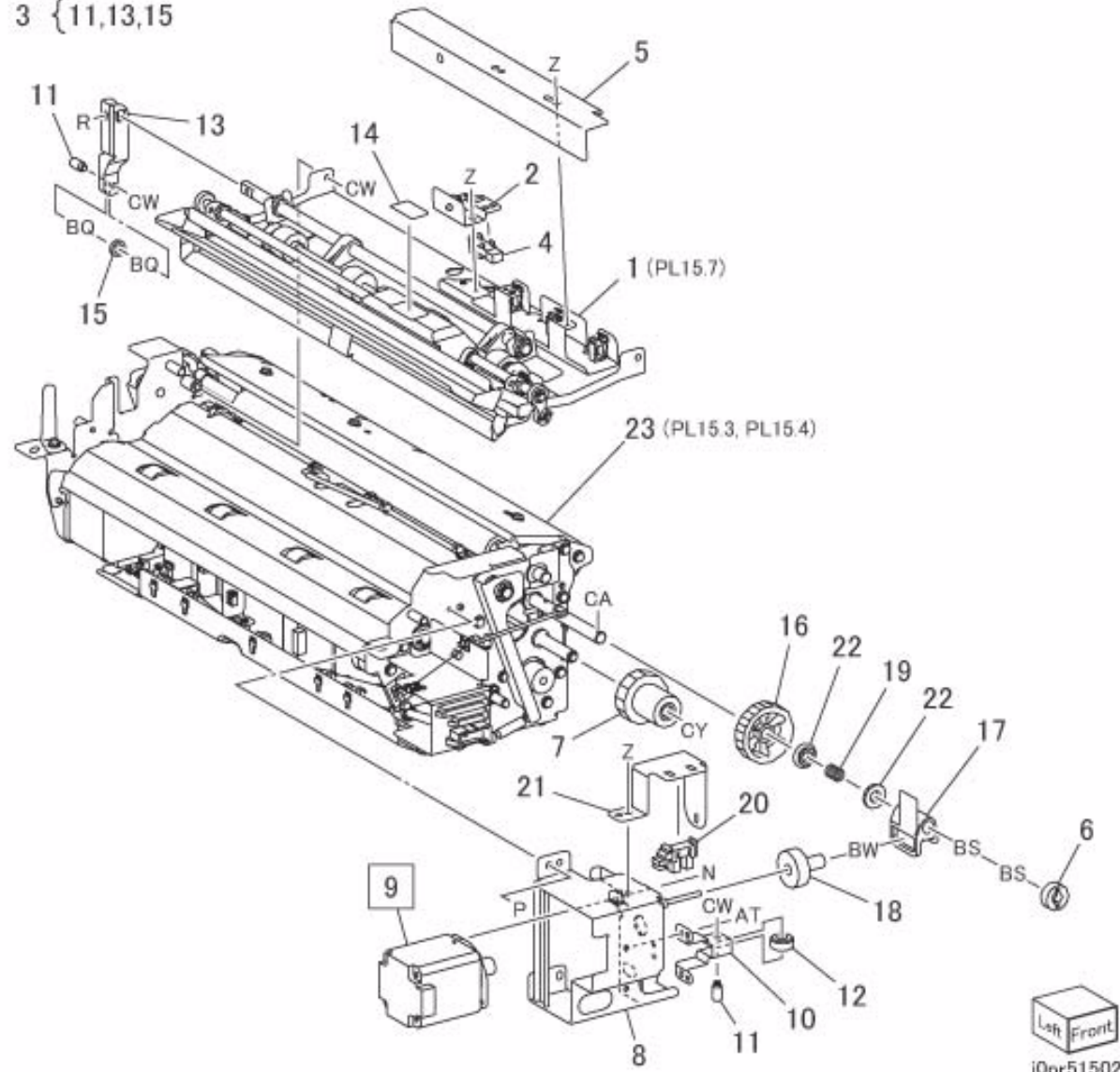


PL 15.2 Registration Transport Assembly (1 of 3)

Item	Parts No	Description	A.C.
1	-	Upper Chute Assembly (PL 15.7)53C1	
2	-	Sensor Bracket	53C2
3	011K 98610	Lever Assembly (Item 11,13,15)53C3	
4	930W 00212	Regi. In Sensor	53C4
5	-	Cover	53C5
6	-	Regi Roll Stopper	53C6
7	007K 97880	Regi Drive Gear	53C7
8	-	Motor Bracket Assembly	53C8
9	127K 52300	(SCC) Side Shift Motor(REP 99.1.1)53C9	
10	-	Bearing Bracket	53CB
11	-	Shaft (P/O Item 3)	53CC
12	-	Roll	53CD
13	-	Lever (P/O Item 3)	53CE
14	896E 82350	Label	53CF
15	413W 66150	Ball Bearing	53CG
16	807E 18990	Gear (47T)	53CH
17	-	Rack Gear	53CJ
18	-	Gear (15T/47T)	53CK
19	-	Spring	53CL
20	930W 00112	Side Shift Home Sensor	53CM
21	-	Bracket	53CN
22	413W 77359	Bearing	53CP
23	-	Registration Transport Assembly (PL 15.3,PL 15.4)	53CQ

PL 15.2

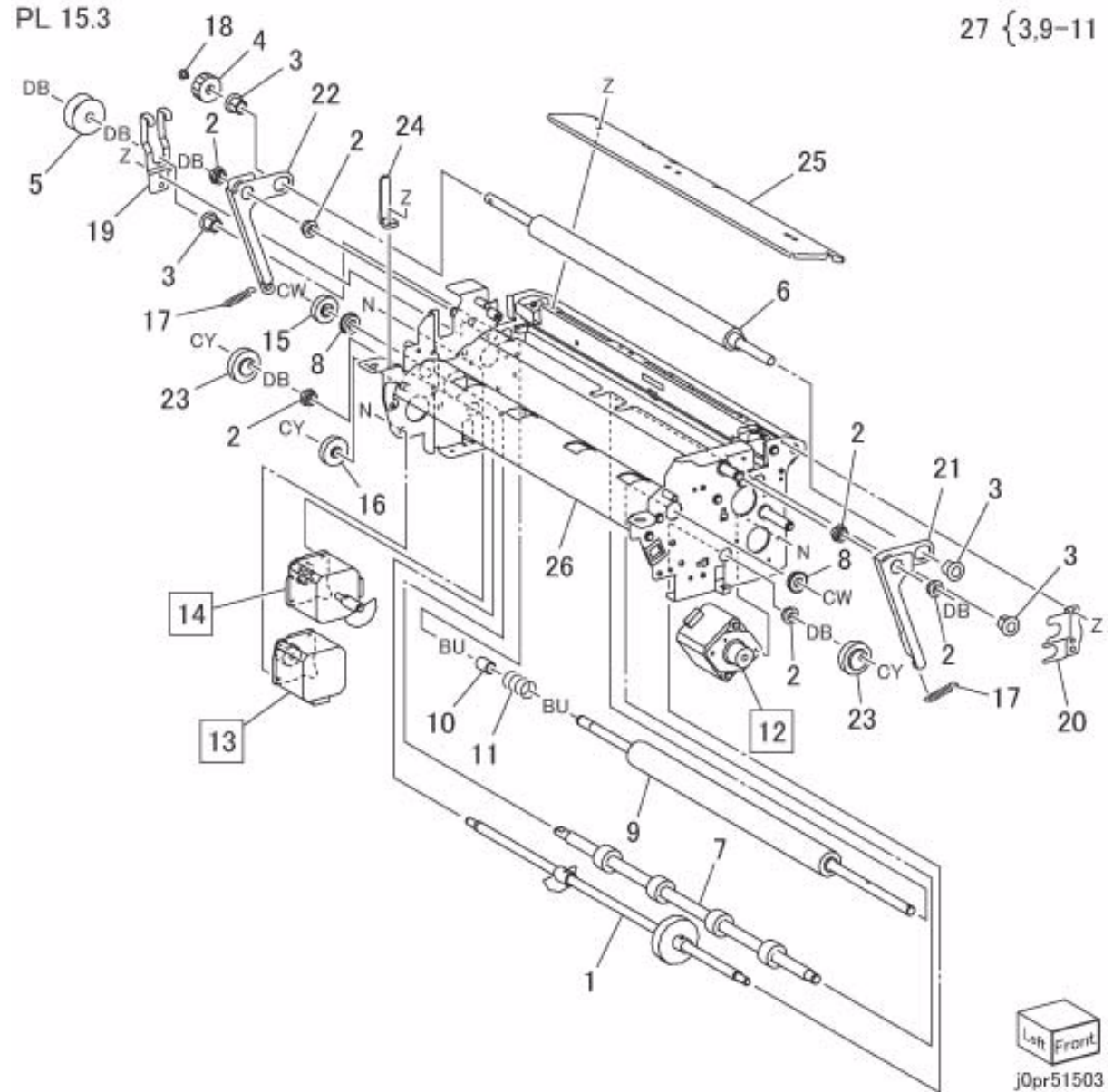
3 {11,13,15}



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PL 15.3 Registration Transport Assembly (2 of 3)

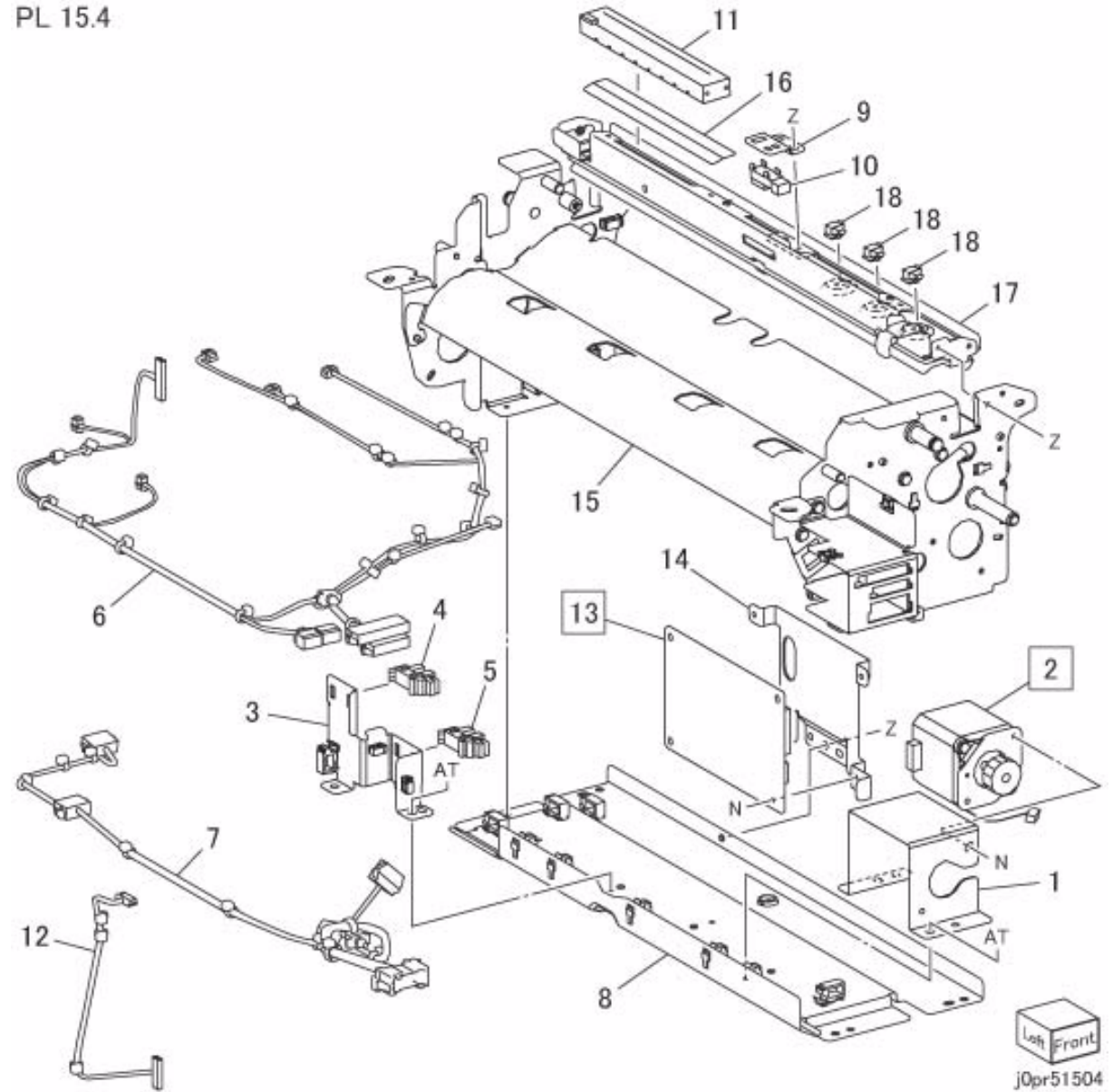
Item	Parts No	Description	A.C.
1	006K 25910	Lift Up Shaft	53D1
2	413W 11860	Sleeve Bearing	53D2
3	013E 16030	Bearing	53D3
4	-	Pinch Guide	53D4
5	-	Regi Guide	53D5
6	059K 50681	Regi Pinch Roll	53D6
7	059K 55010	Regi Drive Pinch Roll	53D7
8	413W 82370	Ball Bearing	53D8
9	-	Regi Drive Roll (P/O Item 27)53D9	
10	-	Bearing (P/O Item 27)	53DB
11	-	Spring (P/O Item 27)	53DC
12	127K 51950	(SCC) Regi. Motor(REP 99.1.1)53DD	
13	127K 51950	(SCC) Pre Regi. Motor(REP 99.1.1)53DE	
14	127K 53001	(SCC) Pre Regi. N/R Motor(REP 99.1.1)53DF	
15	-	Helical Gear (25T)	53DG
16	-	Helical Gear (27T)	53DH
17	809E 74610	Lift Up Spring	53DJ
18	-	Screw	53DK
19	-	Rear Bearing Bracket	53DL
20	-	Front Bearing Bracket	53DM
21	-	Front Lift Up Arm	53DN
22	-	Rear Lift Up Arm	53DP
23	008K 91940	Lift Cam	53DQ
24	-	Rear Safety Bracket	53DR
25	-	Upper Cover	53DS
26	-	Frame Assembly	53DT
27	059K 56710	Regi Drive Roll Assembly (Item 3,9-11)53I3	



PL 15.4 Registration Transport Assembly (3 of 3)

PL 15.4

Item	Parts No	Description	A.C.
1	-	Motor Bracket	53F1
2	127K 53030	(SCC) Regi. N/R Motor(REP 99.1.1)	53F2
3	-	Bracket	53F3
4	930W 00112	Pre Regi. N/R Home Sensor	53F4
5	930W 00112	Regi. N/R Home Sensor	53F5
6	962K 61880	Wire Harness	53F6
7	962K 61890	Wire Harness	53F7
8	-	Bottom Plate Assembly	53F8
9	-	Sensor Bracket	53F9
10	930W 00212	Regi. Out Sensor	53FB
11	130E 94910	CIS	53FC
12	-	Wire Harness	53FD
13	960K 29141	(SCC) CIS Control PWB(REP 99.1.1)	53FE
14	-	PWB Bracket	53FF
15	-	Frame Assembly	53FG
16	019E 70890	CIS PAD	53FH
17	054K 33431	Chute Assembly	53FJ
18	-	Clamp	53FK

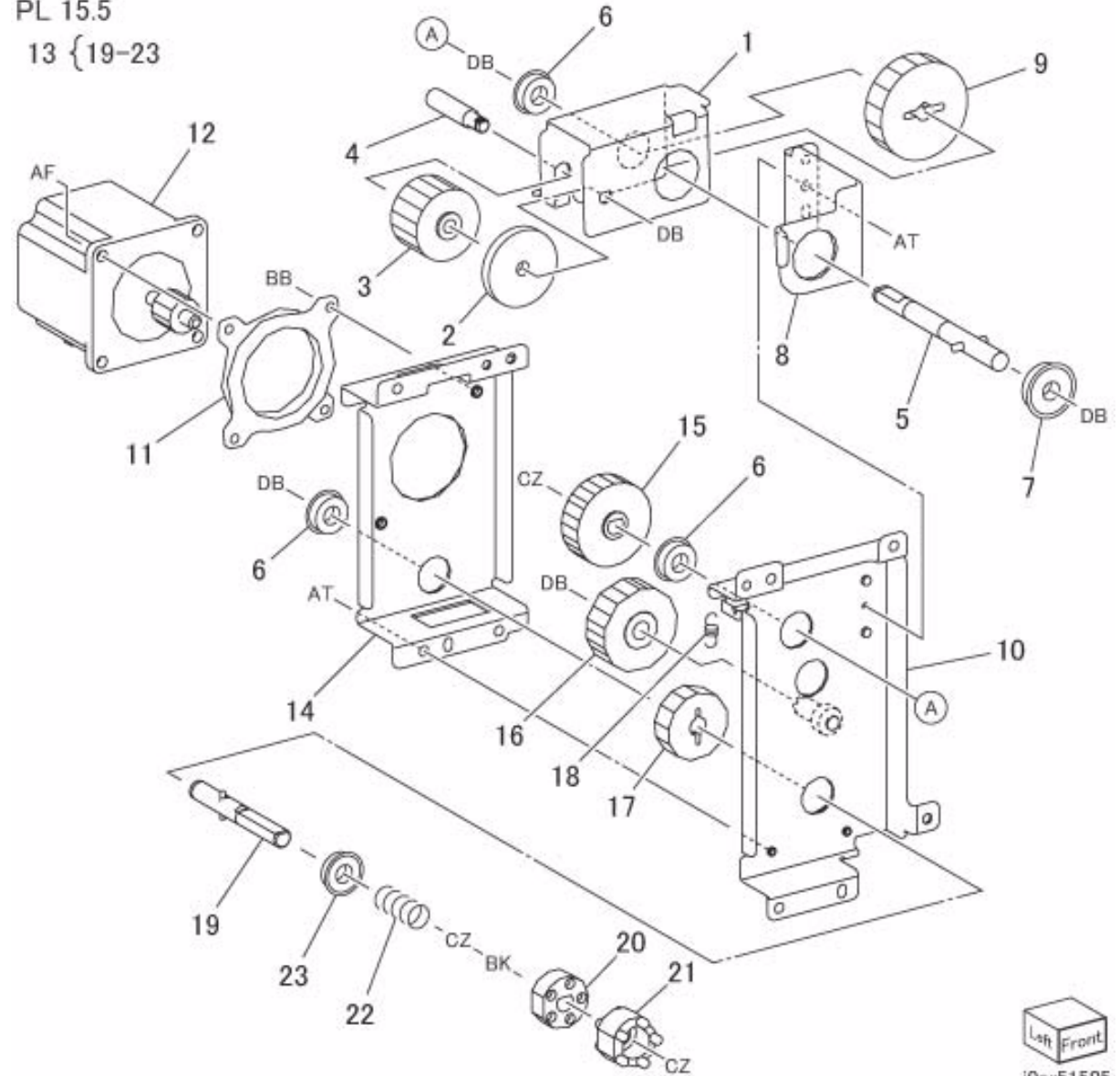


PL 15.5 Registration Drive Assembly

Item	Parts No	Description	A.C.
1	-	Tension Bracket	53G1
2	-	Collar	53G2
3	-	Gear (29T)	53G3
4	-	Tension Shaft	53G4
5	-	Shaft	53G5
6	413W 82370	Ball Bearing	53G6
7	-	Ball Bearing	53G7
8	-	Support Bracket	53G8
9	-	Gear (41T)	53G9
10	-	Bracket Assembly	53GB
11	-	Damper	53GC
12	127K 51970	Transport Motor Assembly	53GD
13	-	Coupling Assembly (Item 19-23)	53GE
14	-	Motor Bracket	53GF
15	807E 23960	Gear (41T)	53GG
16	807E 23970	Gear (41T)	53GH
17	807E 23980	Gear (33T)	53GJ
18	-	Spring	53GK
19	-	Shaft (P/O Item 13)	53GL
20	-	Coupling (P/O Item 13)	53GM
21	005E 23760	Coupling	53GN
22	809E 80980	Spring	53GP
23	413W 82370	Ball Bearing	53GQ

PL 15.5

13 {19-23}

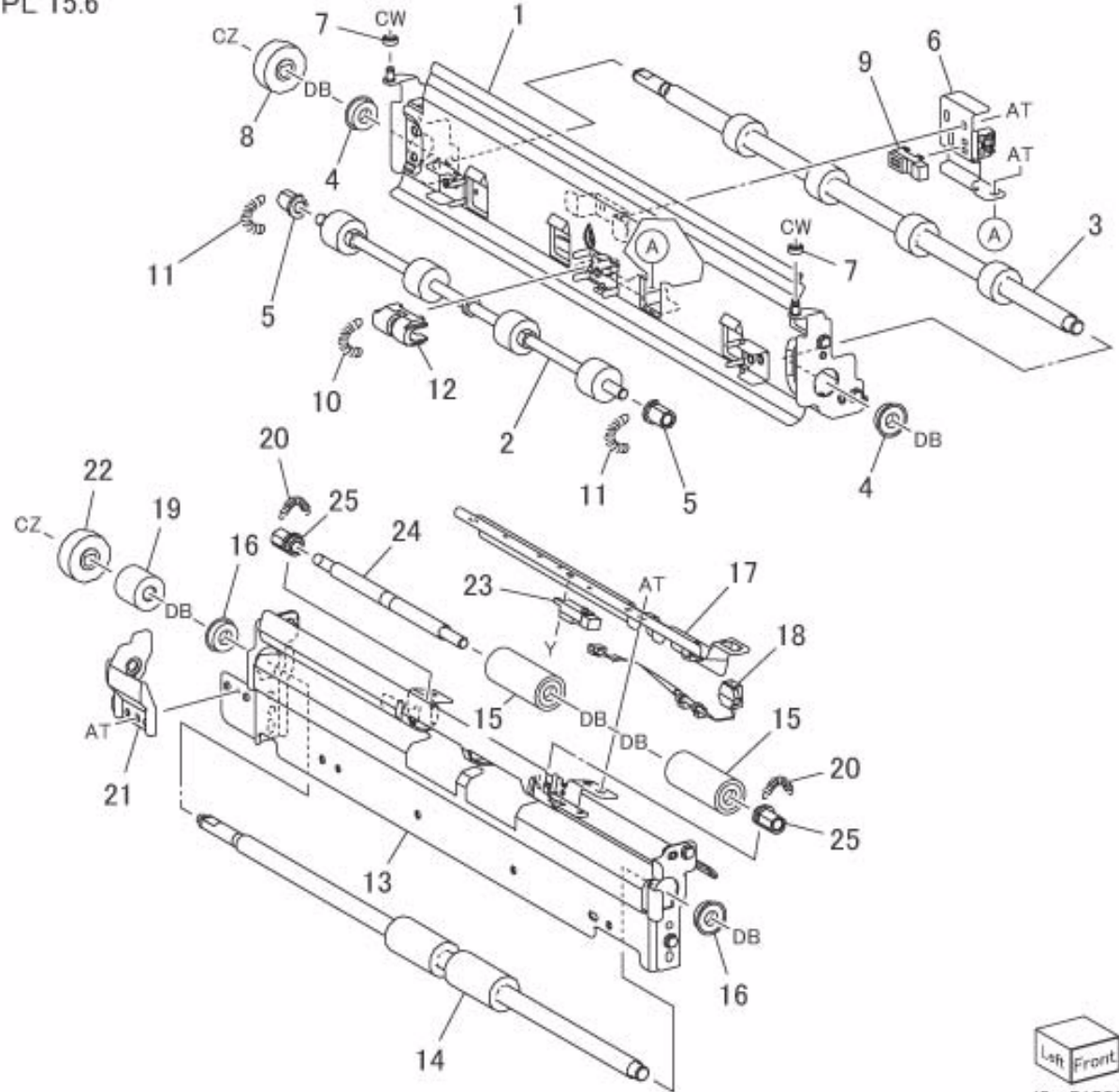


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PL 15.6 Transport Chute Assembly and MSI Chute Assembly

Item	Parts No	Description	A.C.
1	-	Transport Chute Assembly 53H1	
2	059K 47191	Transport Pre Regi Roll	53H2
3	059K 55000	Transport Regi Roll	53H3
4	413W 82370	Ball Bearing	53H4
5	013E 34610	Bearing	53H5
6	-	Sensor Bracket	53H6
7	-	Lever Bearing	53H7
8	807E 23900	Gear (25T)	53H8
9	930W 00212	Pre Regi. Sensor	53H9
10	809E 72440	Center Spring	53HB
11	809E 82800	Side Spring	53HC
12	849E 87380	Bearing Support	53HD
13	-	MSI Chute Assembly	53HE
14	059K 56530	MSI Take Away Roll	53HF
15	059K 37990	MSI Roll	53HG
16	413W 82370	Ball Bearing	53HH
17	849E 95520	Sensor Bracket	53HJ
18	962K 61910	Wire Harness	53HK
19	005E 25990	Gear Collar (25T)	53HL
20	809E 54941	Spring	53HM
21	848E 20760	Gear Cover	53HN
22	-	Gear (25T)	53HP
23	930W 00211	MSI Pre Regi. Sensor	53HQ
24	-	Shaft	53HR
25	-	Support	53HS

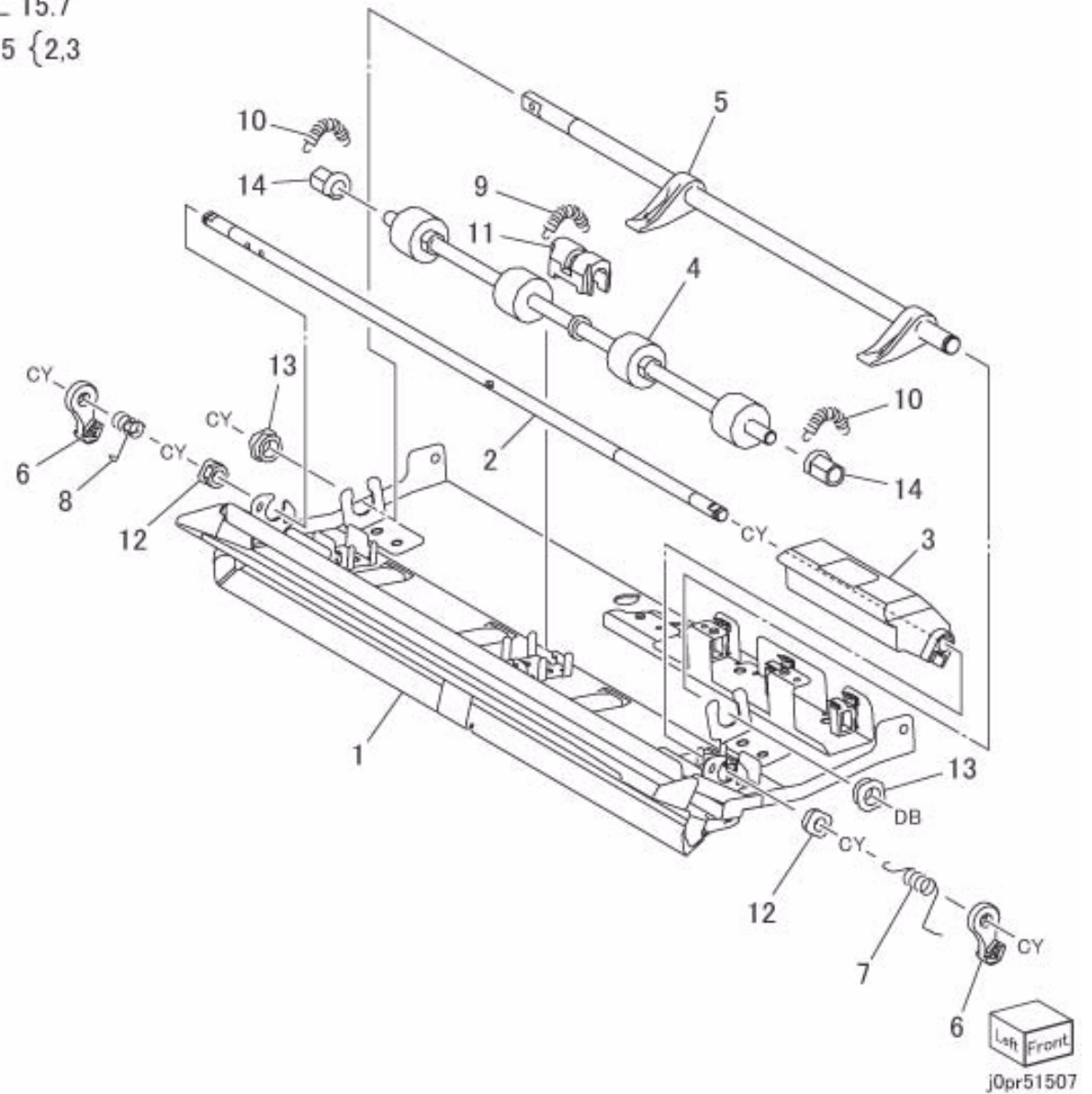
PL 15.6



PL 15.7 Upper Chute Assembly

Item	Parts No	Description	A.C.
1	–	Upper Chute	53K1
2	–	Handle Shaft (P/O Item 15)53K2	
3	003E 76020	Handle	53K3
4	059K 47191	Pinch Roll	53K4
5	006K 86500	Shaft Assembly	53K5
6	–	Chute Hook	53K6
7	809E 80890	Spring (Front)	53K7
8	809E 80900	Spring (Rear)	53K8
9	809E 78921	Pinch Spring (Center)	53K9
10	809E 78931	Spring (Side)	53KB
11	–	Support Bearing	53KC
12	413W 11660	Sleeve Bearing	53KD
13	413W 11860	Sleeve Bearing	53KE
14	013E 34610	Pinch Bearing	53KF
15	003K 17240	Handle Assembly (Item 2,3)53KG	

PL 15.7
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PL 16.1 Inverter Unit

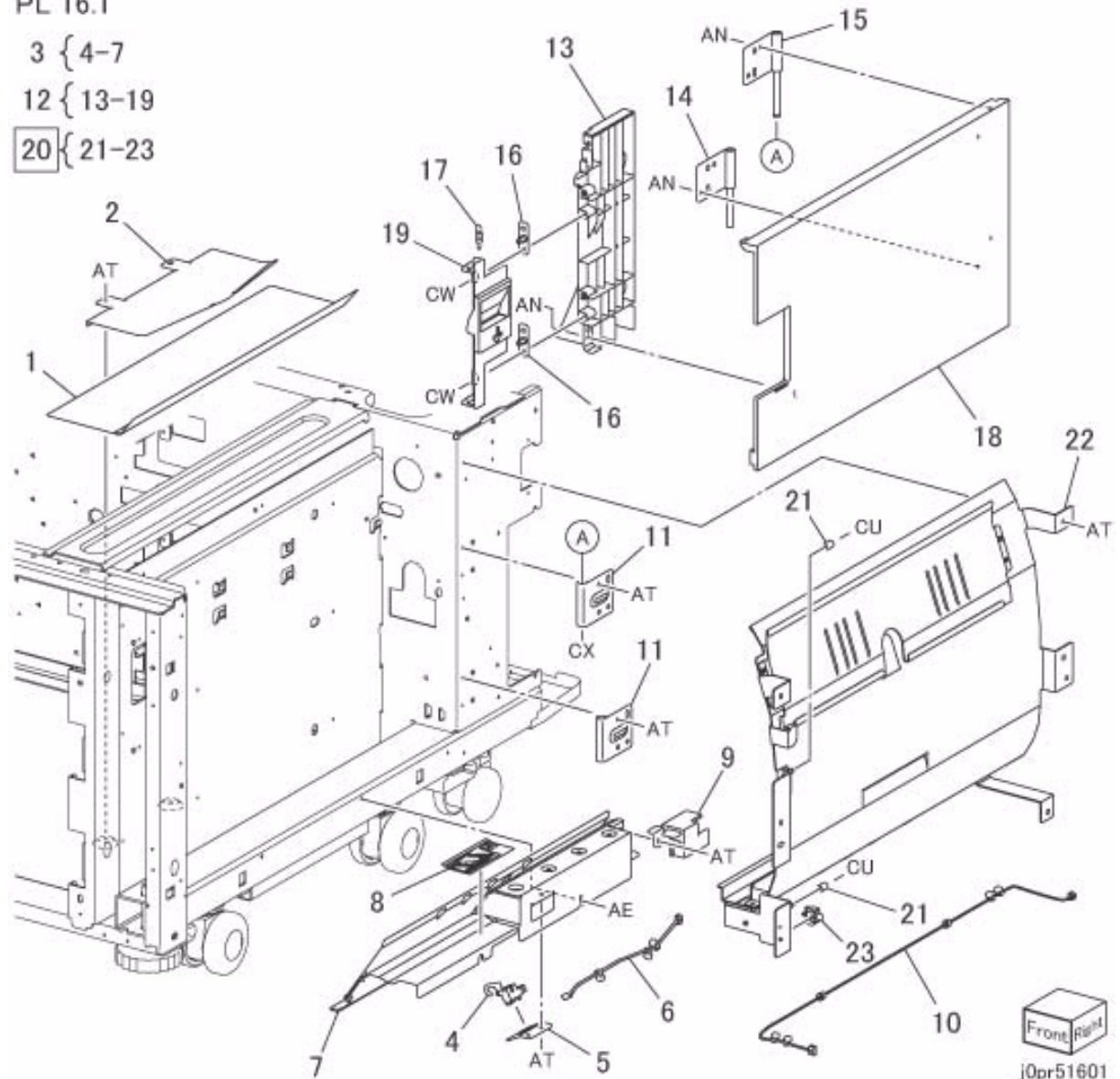
Item	Parts No	Description	A.C.
1	038E 35651	Inverter Bottom Guide	52M1
2	054E 25680	Chute	52M2
3	054K 49550	Chute Assembly (Item 4-7)52M3	
4	130K 72530	Invert End Sensor	52M4
5	-	Sensor Bracket (P/O Item 3)52M5	
6	-	Wire Harness (P/O Item 3)52M6	
7	-	Chute (P/O Item 3)	52M7
8	-	Label	52M8
9	-	Cover	52M9
10	-	Wire Harness Assembly	52MB
11	849E 07050	Hinge Bracket	52MC
12	848K 01201	Inverter Cover Assembly (Item 13-19)52MD	
13	-	Chute (P/O Item 12)	52ME
14	-	Hinge Bracket (Lower) (P/O Item 12)52MF	
15	-	Hinge Bracket (Upper) (P/O Item 12)52MG	
16	-	Latch Bracket (P/O Item 12)52MH	
17	809E 80940	Spring	52MJ
18	-	Inverter Cover (P/O Item 12)52MK	
19	-	Latch Cover (P/O Item 12)52ML	
20	054K 35951	Inverter Chute Assembly (Item 21-23) (REP 16.1.1) 52MM	
21	-	Collar (P/O Item 20)	52MN
22	-	Inverter Chute (P/O Item 20)52MP	
23	110E 93440	R/H Cover Interlock Switch52MQ	

PL 16.1

3 { 4-7

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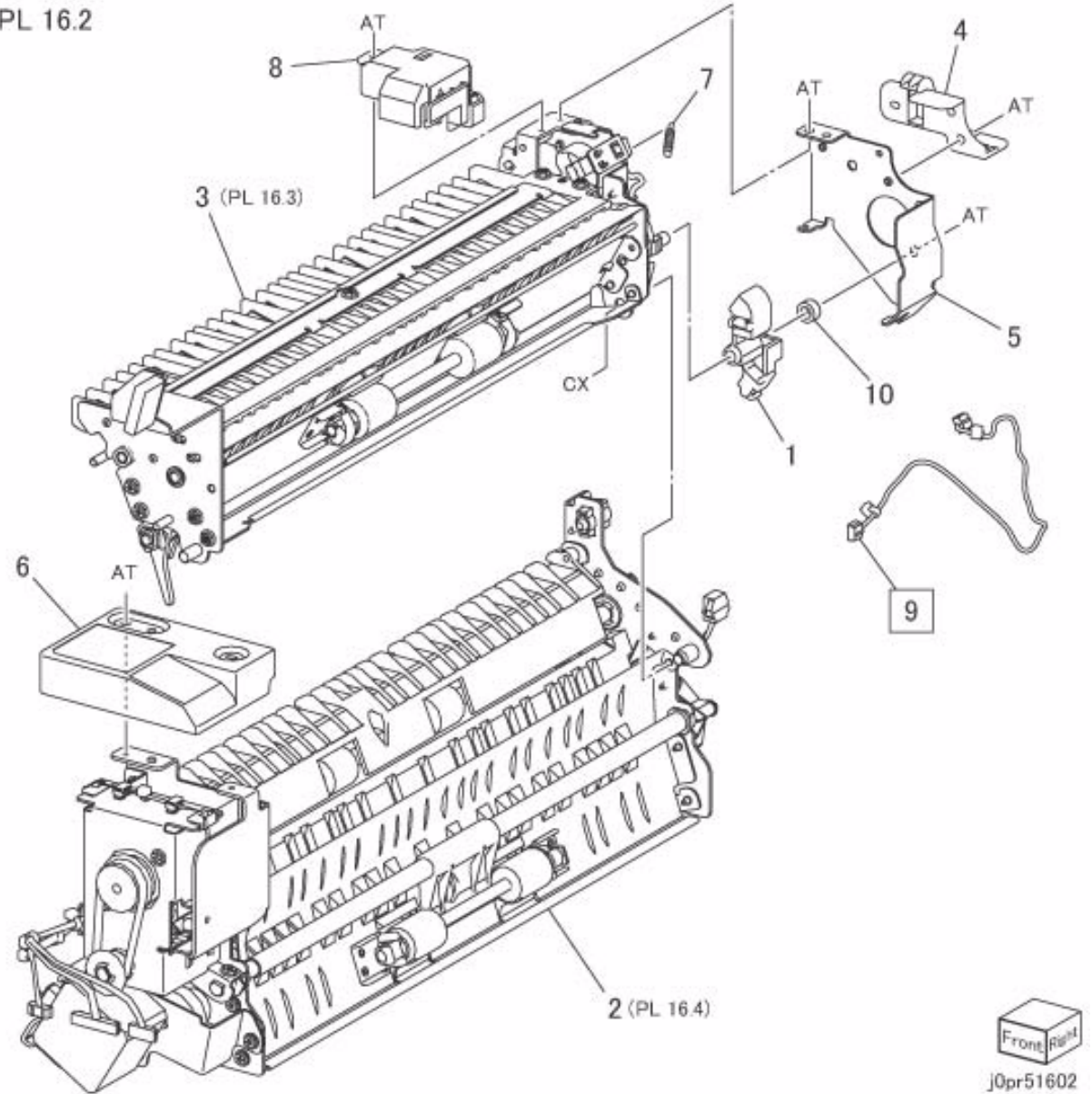
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PL 16.2 Inverter Transport Assembly

Item	Parts No	Description	A.C.
1	-	Harness Guide	52N1
2	059K 78260	Fix Transport Assembly (PL 16.4)	52N2
3	059K 76060	Swing Transport Assembly (PL 16.3)	52N3
4	032E 40310	Rear Guide	52N4
5	848E 87030	Inverter Rear Cover	52N5
6	848E 18331	Front Motor Cover	52N6
7	899E 01700	Spring	52N7
8	-	Cover	52N8
9	952K 04270	(SCC) Wire Harness	52N9
10	-	Core	52NB

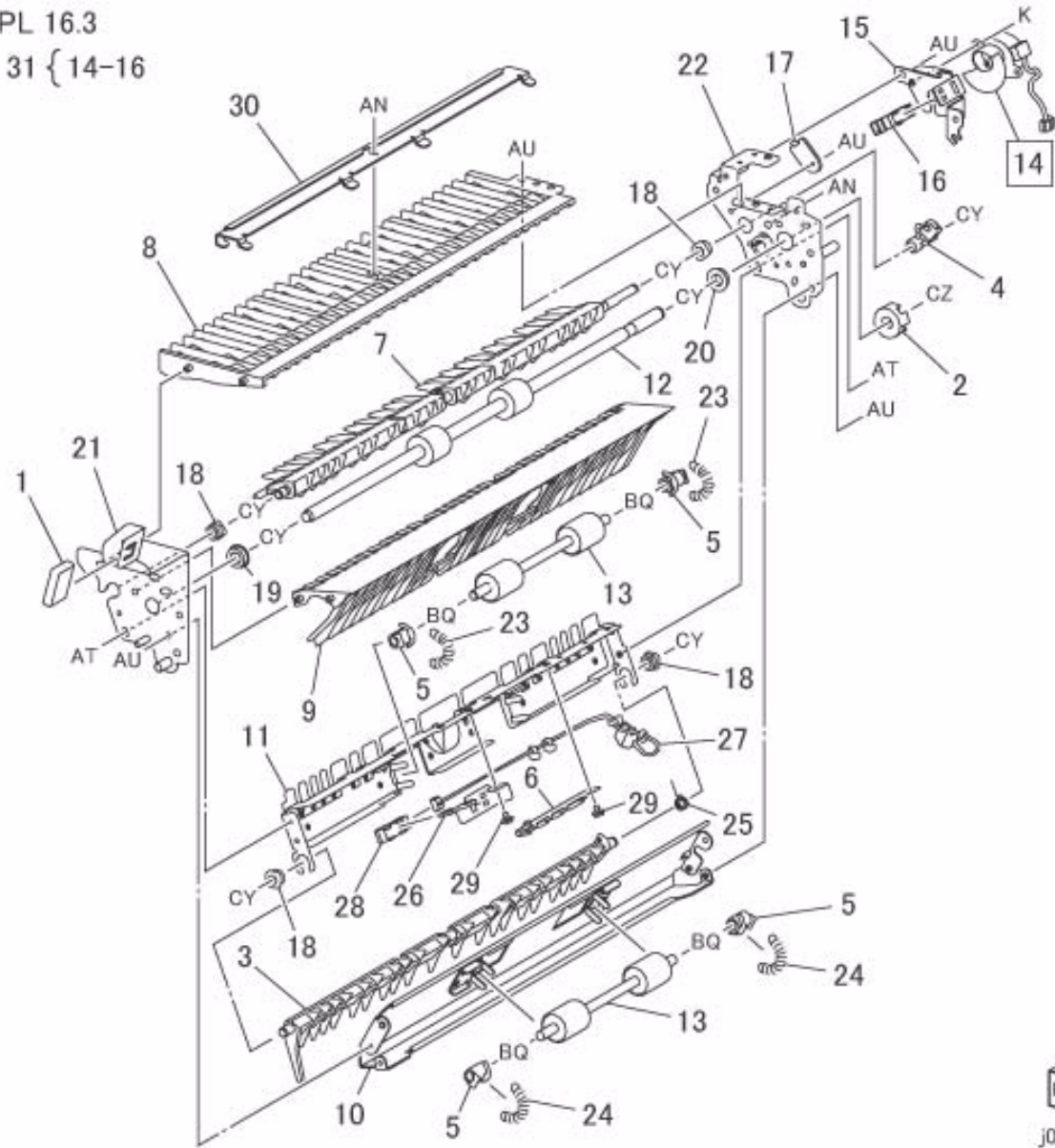
PL 16.2



PL 16.3 Swing Transport Assembly

Item	Parts No	Description	A.C.
1	003E 62801	Knob	52P1
2	005E 24340	Coupling	52P2
3	006K 86290	Inverter Gate	52P3
4	012K 96920	Link Assembly	52P4
5	013E 27050	Bearing	52P5
6	-	Harness Guide	52P6
7	050K 69701	Inverter In Gate	52P7
8	054E 34102	Upper Inverter Chute	52P8
9	054E 34113	Inverter Exit Chute	52P9
10	054K 34011	Inverter Out Pinch Chute	52PB
11	-	Inverter In Pinch Chute	52PC
12	059K 54020	Inverter Exit Roll	52PD
13	059K 55560	Pinch Roll	52PE
14	127K 66970	(SCC) Invert In Gate Motor (REP 99.1.1)	52PF
15	-	Bracket (P/O Item 31)	52PG
16	930W 00111	Invert Gate Home Sensor	52PH
17	-	Inverter Latch Guide	52PJ
18	413W 11660	Sleeve Bearing	52PK
19	413W 66250	Ball Bearing	52PL
20	413W 88650	Ball Bearing	52PM
21	-	Front Frame	52PN
22	-	Frame Assembly Swing Rear	52PP
23	809E 75670	Pinch Spring	52PQ
24	809E 75680	Pinch Spring	52PR
25	809E 75690	Spring	52PS
26	-	Sensor Bracket	52PT
27	962K 62130	Wire Harness	52PV
28	930W 00212	Invert In Sensor	52PW
29	826E 08780	Tapping Screw (Blue)	52PX
30	-	Plate	52Q1
31	007K 18830	Invert In Gate Motor Assembly (Item 14-16)	52Q2

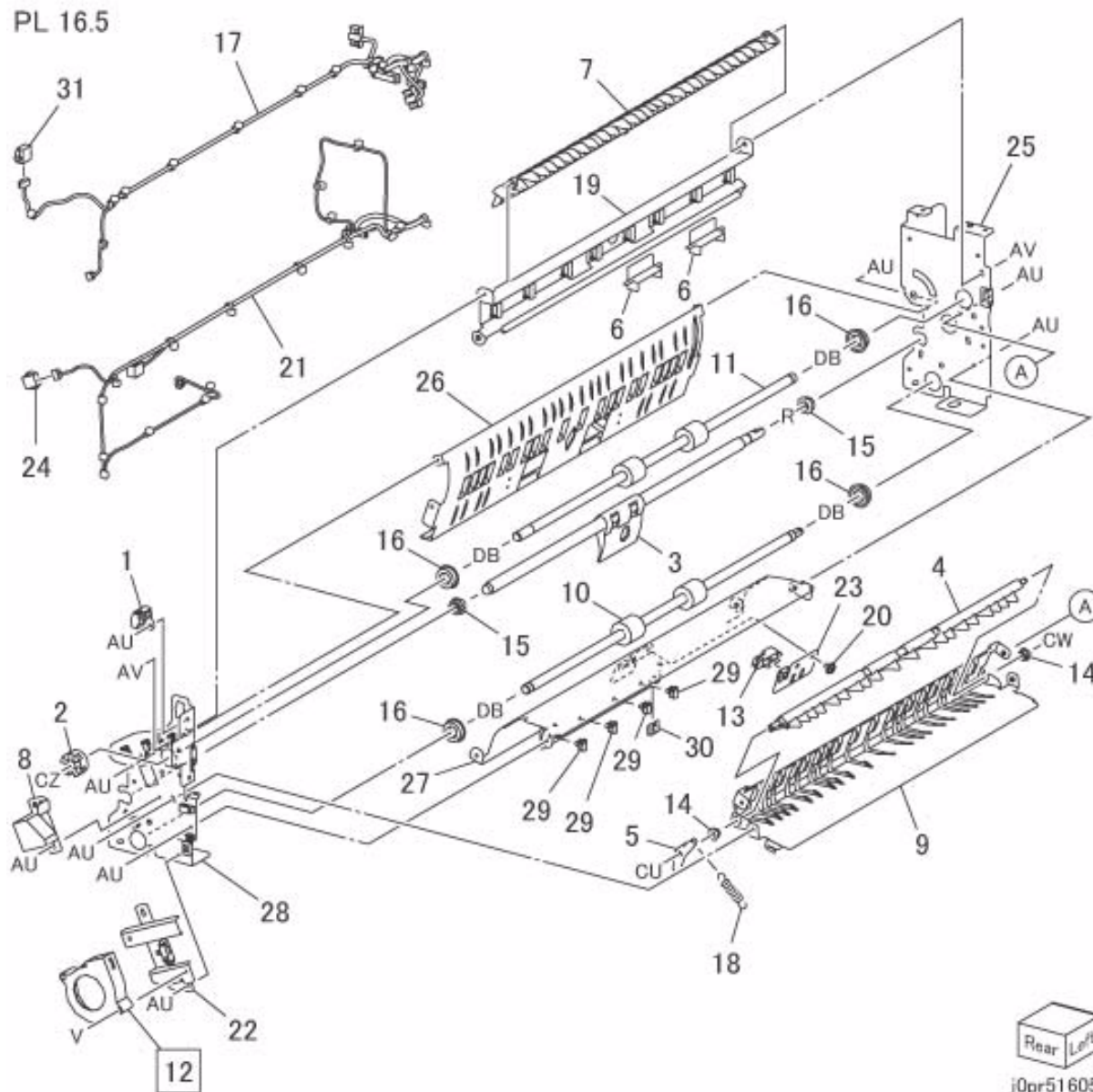
PL 16.3
31 { 14-16



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PL 16.5 Fix Transport Assembly (2 of 2)

Item	Parts No	Description	A.C.
1	003K 16000	Latch Assembly	52S1
2	005E 24340	Coupling	52S2
3	006K 86270	Shaft Assembly	52S3
4	006K 86280	Inverter Duplex Shaft	52S4
5	012E 16030	Gate Link	52S5
6	-	Harness Guide	52S6
7	-	Inverter In Drive Chute	52S7
8	-	Duct	52S8
9	054E 35240	Inverter Upper Duplex Chute	52S9
10	059K 53990	Inverter Roll	52SB
11	059K 54010	Inverter In Roll	52SC
12	127K 39582	(SCC) Inverter Fan (REP 99.1.1)	52SD
13	930W 00212	Invert Path Sensor	52SE
14	-	Sleeve Bearing	52SF
15	413W 11860	Sleeve Bearing	52SG
16	413W 82370	Ball Bearing	52SH
17	952K 04250	Wire Harness	52SJ
18	809E 75650	Gate Spring	52SK
19	-	Tie Plate	52SL
20	826E 08780	Tapping Screw (Blue)	52SM
21	952K 04260	Wire Harness	52SN
22	-	Fan Bracket	52SP
23	-	Sensor Bracket	52SQ
24	-	Connector	52SR
25	-	Front Frame	52SS
26	054K 34000	Chute Assembly	52ST
27	054K 35190	Chute Assembly	52SV
28	-	Rear Frame	52SW
29	-	Clamp	52SX
30	-	Clamp	52T1
31	913W 13410	Connector	52T2



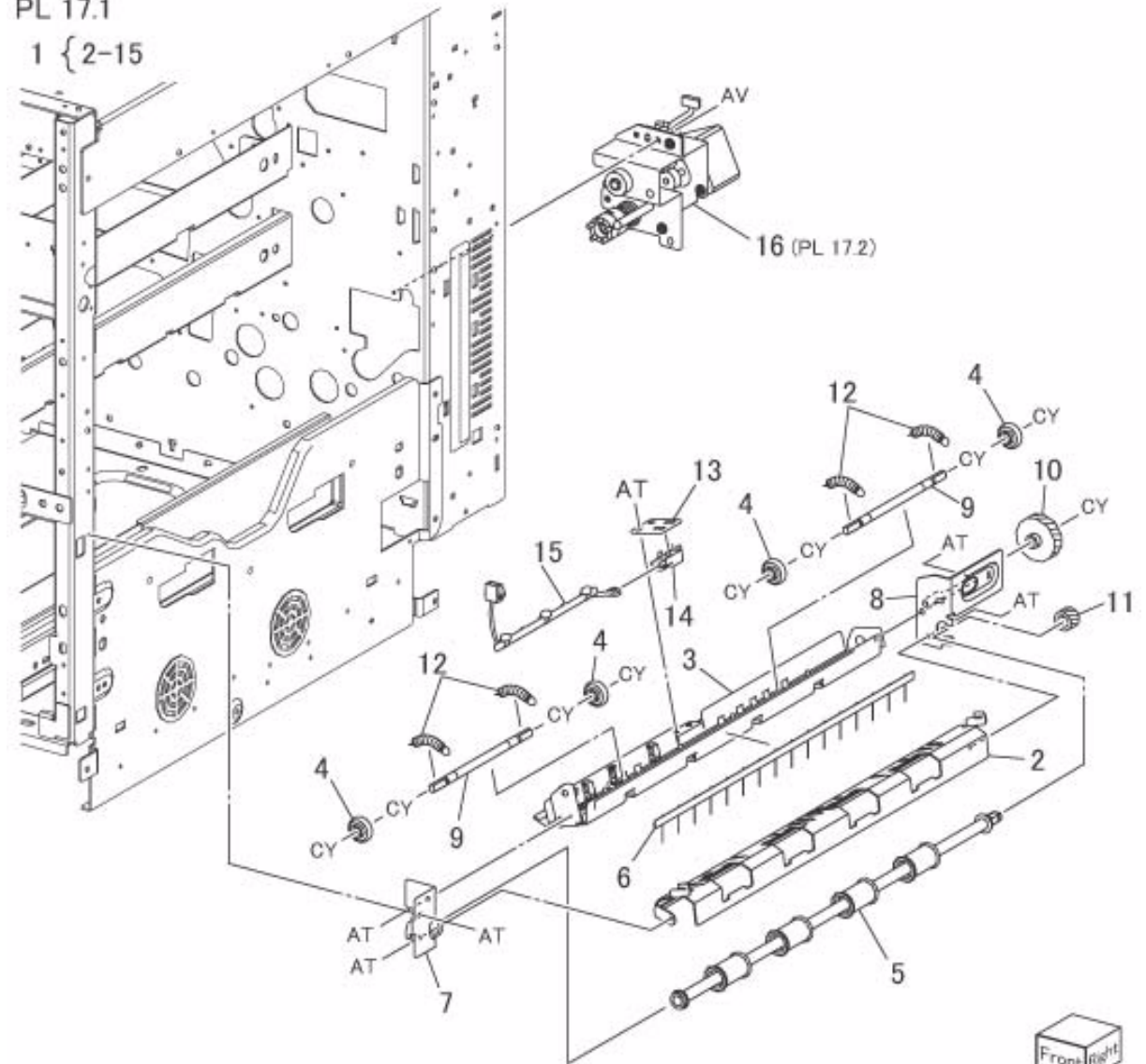
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PL 17.1 Exit

Item	Parts No	Description	A.C.
1	059K 56680	Exit Transport Assembly (Item 2-15)5410	
2	-	Exit Lower Chute	54B1
3	-	Upper Exit Chute	54B2
4	059K 62210	Pinch Roll	54B3
5	059K 47691	Exit Roll	54B4
6	105E 17330	Eliminator	54B5
7	-	Front Frame	54B6
8	-	Rear Frame	54B7
9	-	Pinch Shaft	54B8
10	807E 18870	Idler Gear (37T)	54B9
11	807E 18880	Drive Gear (15T)	54BB
12	809E 75710	Pinch Spring	54BC
13	-	Sensor Bracket	54BD
14	930W 00212	IOT Exit Sensor	54BE
15	962K 61960	Wire Harness	54BF
16	007K 14921	Exit/Inverter Drive Assembly (PL 17.2)54BG	

PL 17.1

1 { 2-15

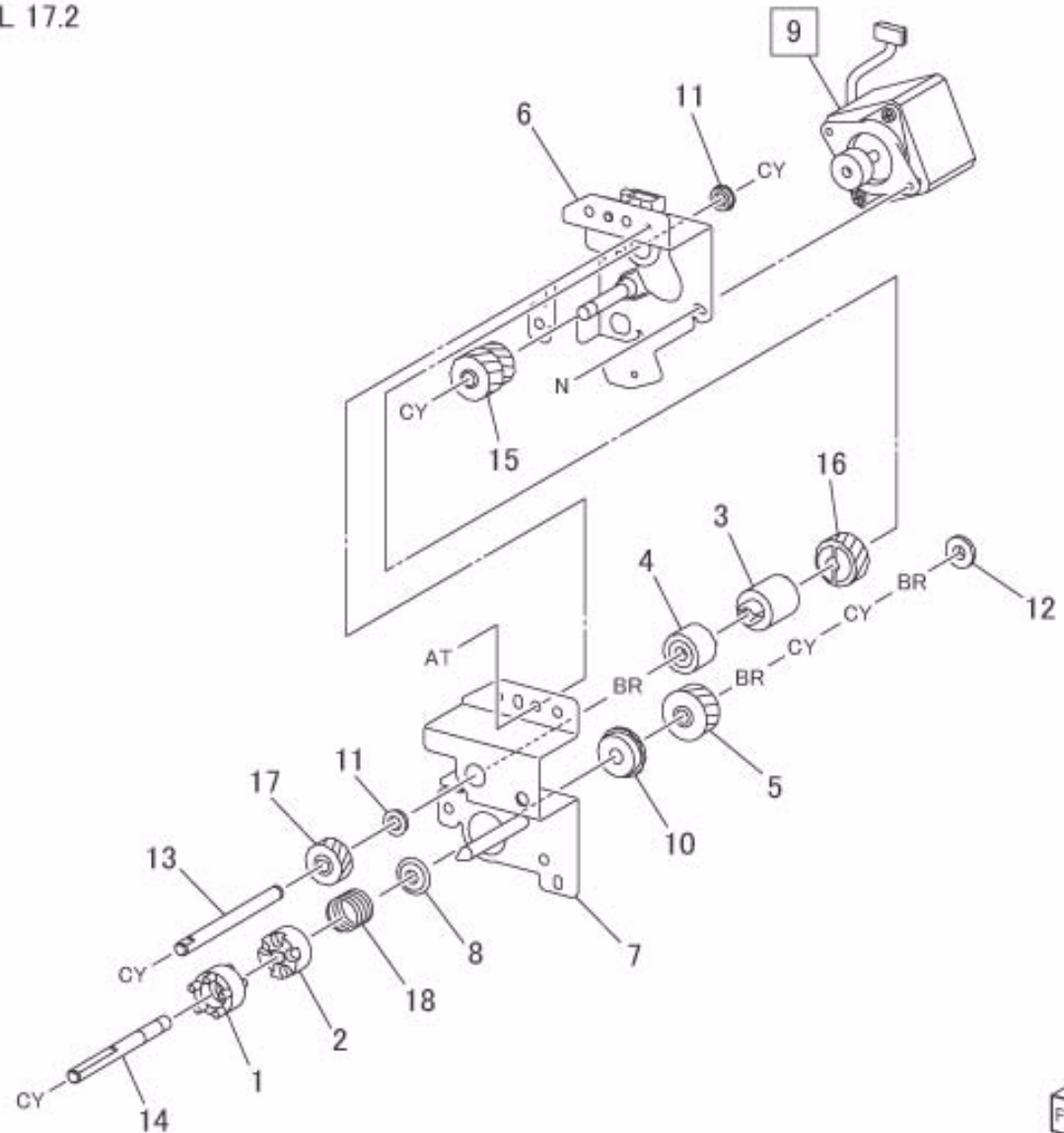


Front Right
j0pr51701

PL 17.2 Exit/Inverter Drive Assembly

Item	Parts No	Description	A.C.
1	005E 24311	Slide Coupling	54C1
2	005E 24320	Transmitter Coupling	54C2
3	005K 06701	Friction Clutch	54C3
4	005K 08400	Exit Clutch	54C4
5	007K 97600	Gear (23T)	54C5
6	-	Motor Bracket	54C6
7	-	Bracket Assembly	54C7
8	-	Retainer	54C8
9	127K 51890	(SCC) IOT Exit Motor (REP 99.1.1)54C9	
10	413W 06650	Bearing	54CB
11	413W 66250	Ball Bearing	54CC
12	413W 75659	Bearing	54CD
13	-	Shaft	54CE
14	-	Shaft	54CF
15	807E 18890	Idler Gear (20T/22T)	54CG
16	807E 18900	Gear (23T)	54CH
17	807E 18910	Drive Gear (20T)	54CJ
18	809E 42000	Spring	54CK

PL 17.2

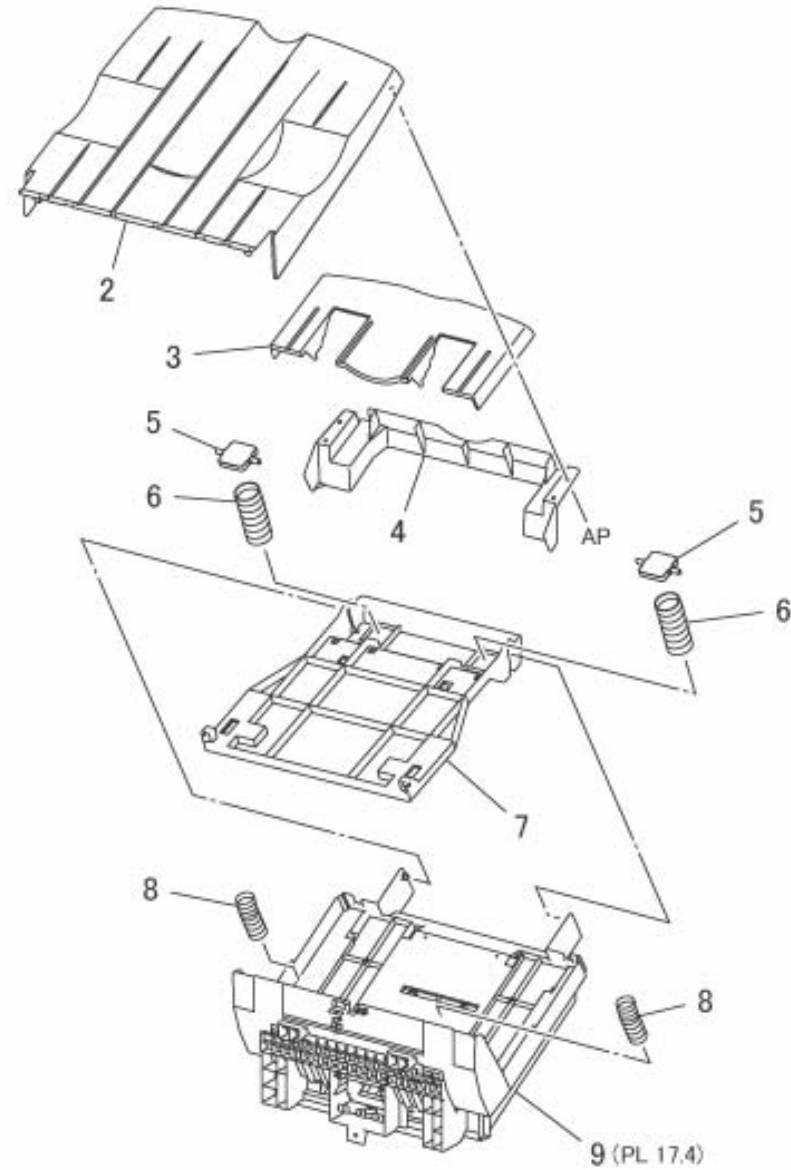


j0pr51702

PL 17.3 OCT (Color C75 Press Option) (1 of 2)

Item	Parts No	Description	A.C.
1	050K 50987	OCT (Item 2-9)	60AA
2	-	Catch Tray (P/O Item 1)	60B1
3	-	Extension Tray (P/O Item 1)	60B2
4	-	Catch Tray Cover (P/O Item 1)	60B3
5	-	Plate (P/O Item 1)	60B4
6	-	Spring (B) (P/O Item 1)	60B5
7	-	Center Tray (P/O Item 1)	60B6
8	-	Spring (A) (P/O Item 1)	60B7
9	-	Base Tray Assembly (P/O Item 1) (PL 17.4)	60B8

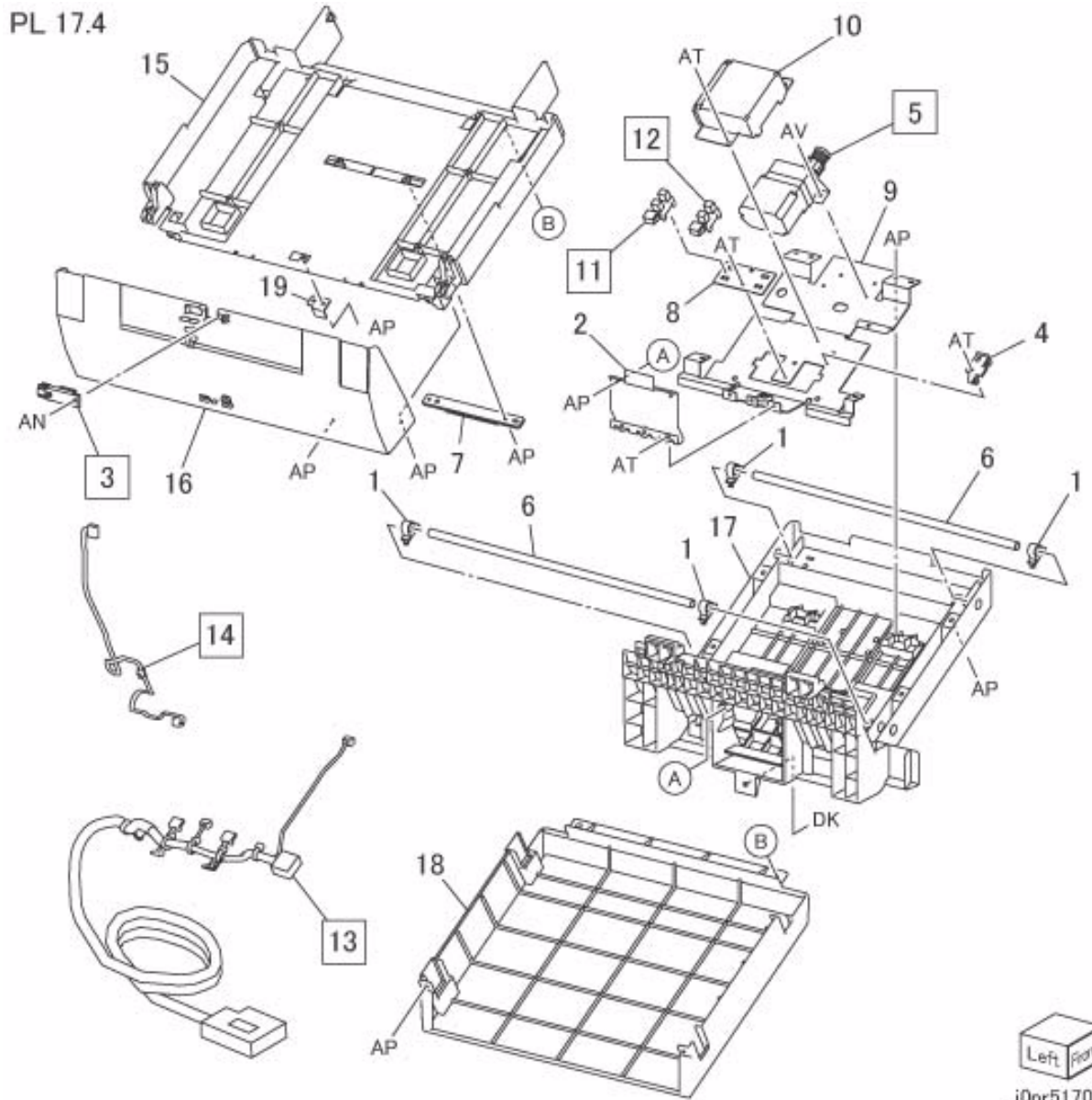
PL 17.3
1 {2-9}



PL 17.4 OCT (Color C75 Press Option) (2 of 2)

Item	Parts No	Description	A.C.
1	-	Bearing	60C1
2	-	Gasket	60C2
3	930W 00211	(SCC) Tray Full Sensor (REP 99.1.1)60C3	
4	-	Clamp	60C4
5	127K 39972	(SCC) OCT Motor (REP 99.1.1)60C5	
6	-	Shaft	60C6
7	-	Rack	60C7
8	-	Bracket	60C8
9	-	Plate	60C9
10	-	Motor Cover	60CB
11	930W 00111	(SCC) Rear Position Sensor (REP 99.1.1)60CC	
12	930W 00111	(SCC) Front Position Sensor (REP 99.1.1)60CD	
13	962K 24443	(SCC) Wire Harness (REP 99.1.1)60CE	
14	962K 31120	(SCC) Wire Harness (REP 99.1.1)60CF	
15	-	Base Tray	60CG
16	-	Wall Tray	60CH
17	-	Support	60CJ
18	-	Bottom Cover	60CK
19	-	Actuator	60CL

PL 17.4

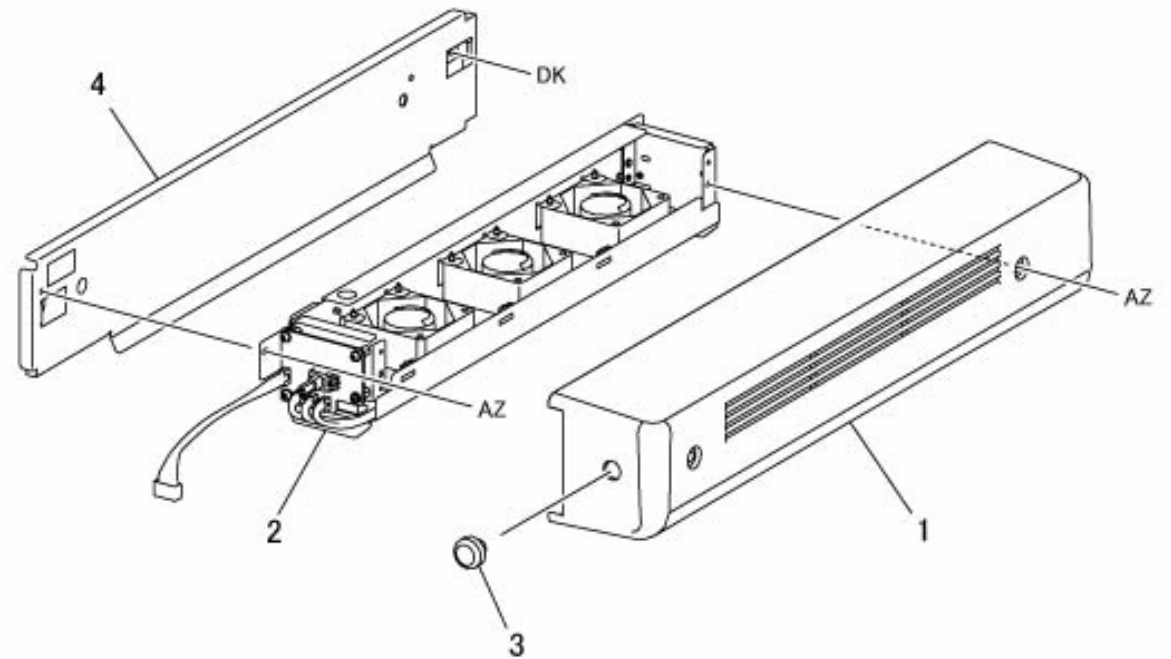


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PL 17.5 Exit Fan Assembly (Color C75 Press Option)

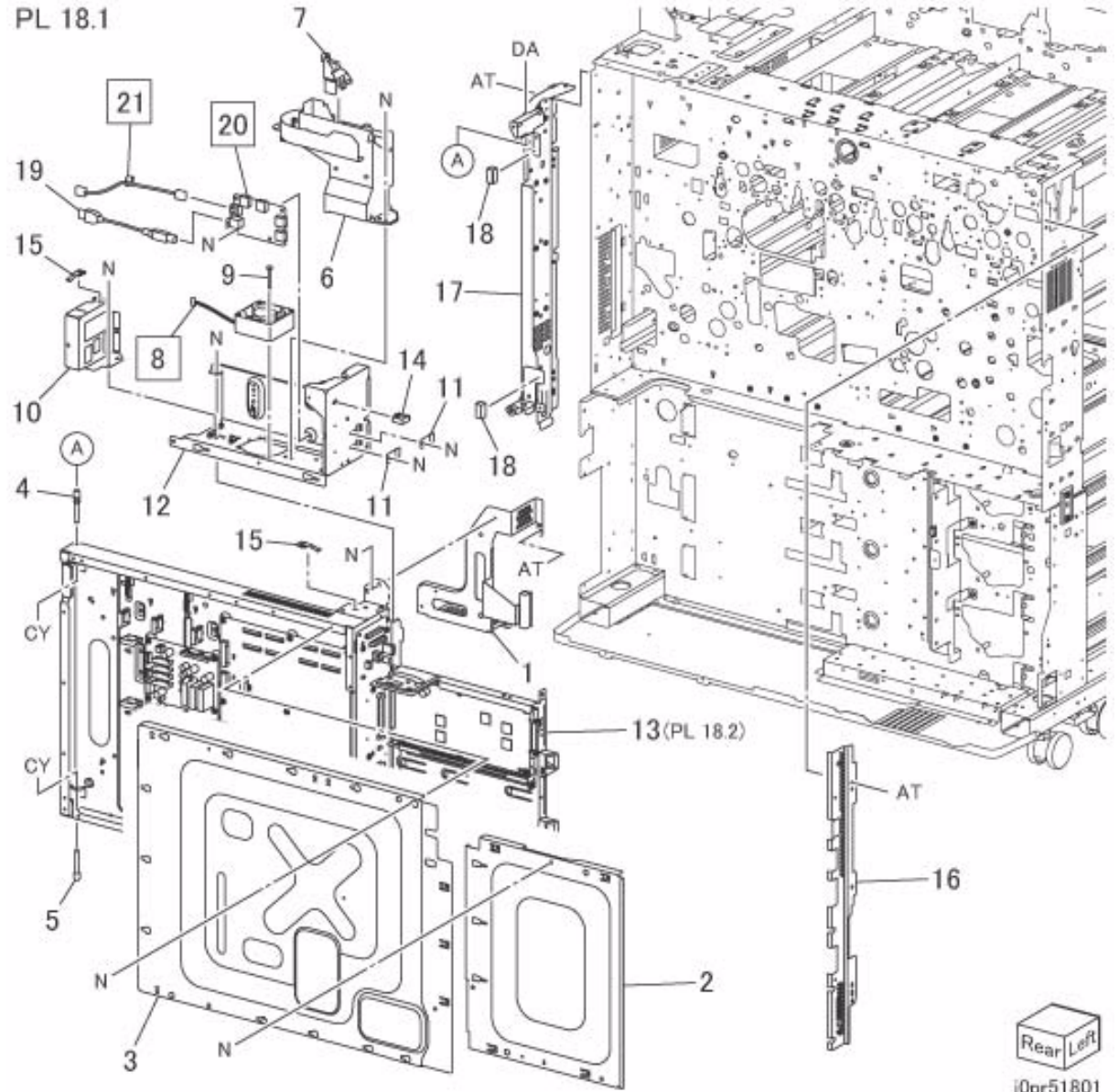
PL 17.5

Item	Parts No	Description	A.C.
1	848E 64140	Fan Cover	54D1
2	127K 63670	Exit Fan Assembly	54D2
3	803E 08610	Knob	54D3
4	-	Fan Support	54D4



PL 18.1 IOT PWB Chassis Unit

Item	Parts No	Description	A.C.
1	049K 08540	Bracket Assembly	72B1
2	848E 54930	Control Cover	72B2
3	-	MCU Cover	72B3
4	826E 08551	Upper Pin	72B4
5	826E 08562	Lower Pin	72B5
6	-	ESS Duct	72B6
7	-	ESS S Duct	72B7
8	127K 63080	(SCC) ESS Fan (REP 99.1.1)72B8	
9	-	Screw	72B9
10	-	Shield	72BB
11	-	Panel	72BC
12	-	Panel	72BD
13	-	IOT PWB Chassis Assembly (PL 18.1)72BE	
14	-	Clamp	72BF
15	-	Clamp	72BG
16	-	Left Bracket	72BH
17	068K 59021	Right Bracket	72BJ
18	-	Shield Gasket	72BK
19	117K 47312	USB Cable (Option)	72BL
20	960K 45040	(SCC) USB HUB PWB (Option) (REP 99.1.1)72BM	
21	962K 96900	(SCC) Wire Harness (Option) (REP 99.1.1)72BN	

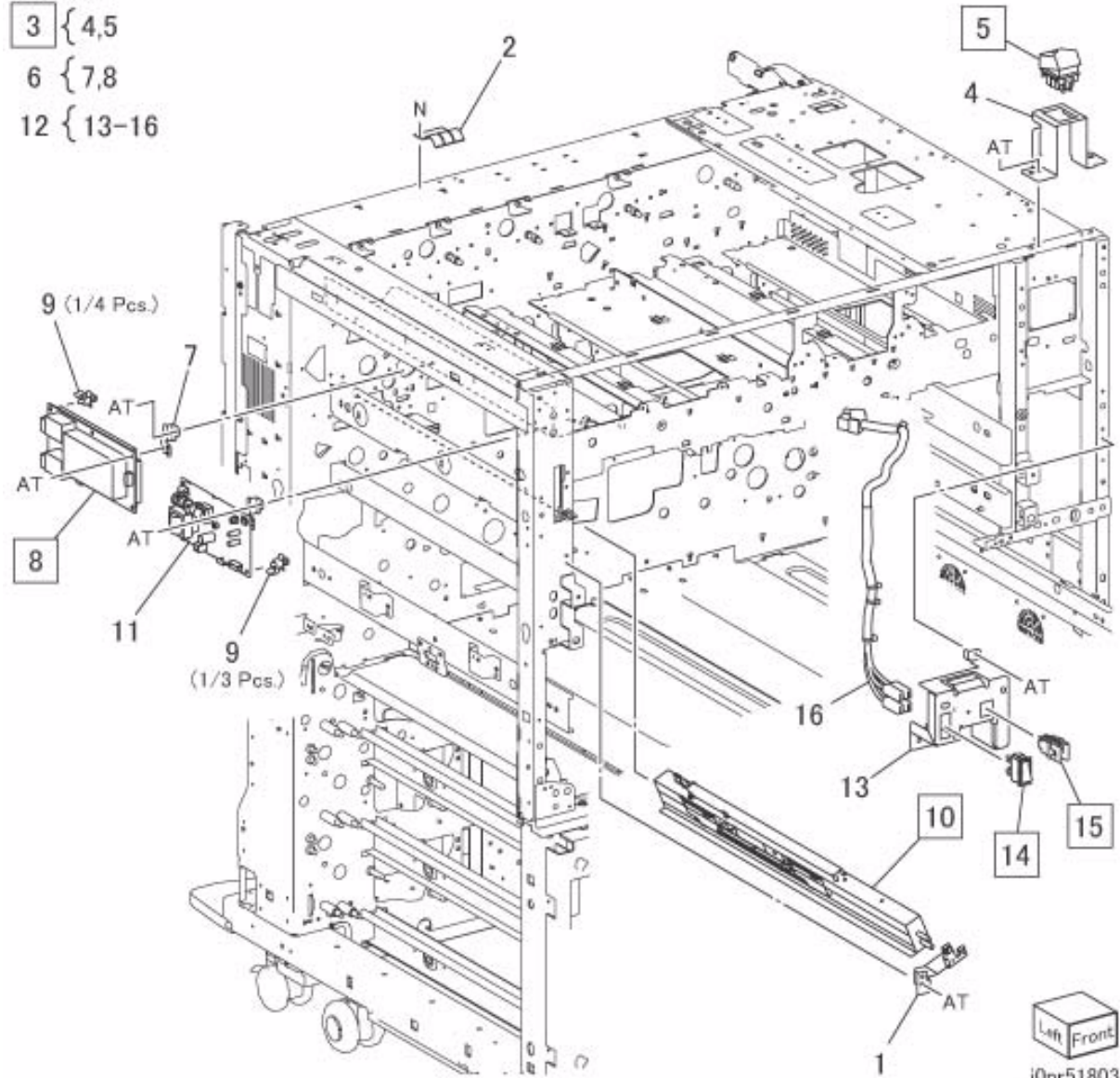


PL 18.3 IOT-Front/Left

Item	Parts No	Description	A.C.
1	015K 71560	MOB ADC Bracket Assembly	72D1
2	-	Conductor	72D2
3	110K 16750	(SCC) Sub Switch Assembly (Item 4,5)	(REP 99.1.1) 72D3
4	-	Bracket (P/O Item 3)	72D4
5	110E 13020	(SCC) Sub Power Switch (REP 99.1.1)	72D5
6	105K 23440	HVPS Assembly (S4) (Item 7,8)	72D6
7	-	Bracket (P/O Item 6)	72D7
8	105E 12593	(SCC) HVPS S4 (REP 99.1.1)	72D8
9	-	PWB Support	72D9
10	130K 71493	MOB ADC Assembly (REP 18.3.1)	72DB
11	105K 23340	HVPS S5C K	72DC
12	105K 23440	Main Power Switch Assembly (Item 13-16)	72DD
13	-	Bracket (P/O Item 12)	72DE
14	910W 00704	(SCC) Main Power Switch (REP 99.1.1)	72DF
15	110E 11980	(SCC) Front Cover Interlock Switch (REP 99.1.1)	72DG
16	-	Wire Harness (P/O Item 12)	72DH

PL 18.3

- 3 { 4,5
- 6 { 7,8
- 12 { 13-16

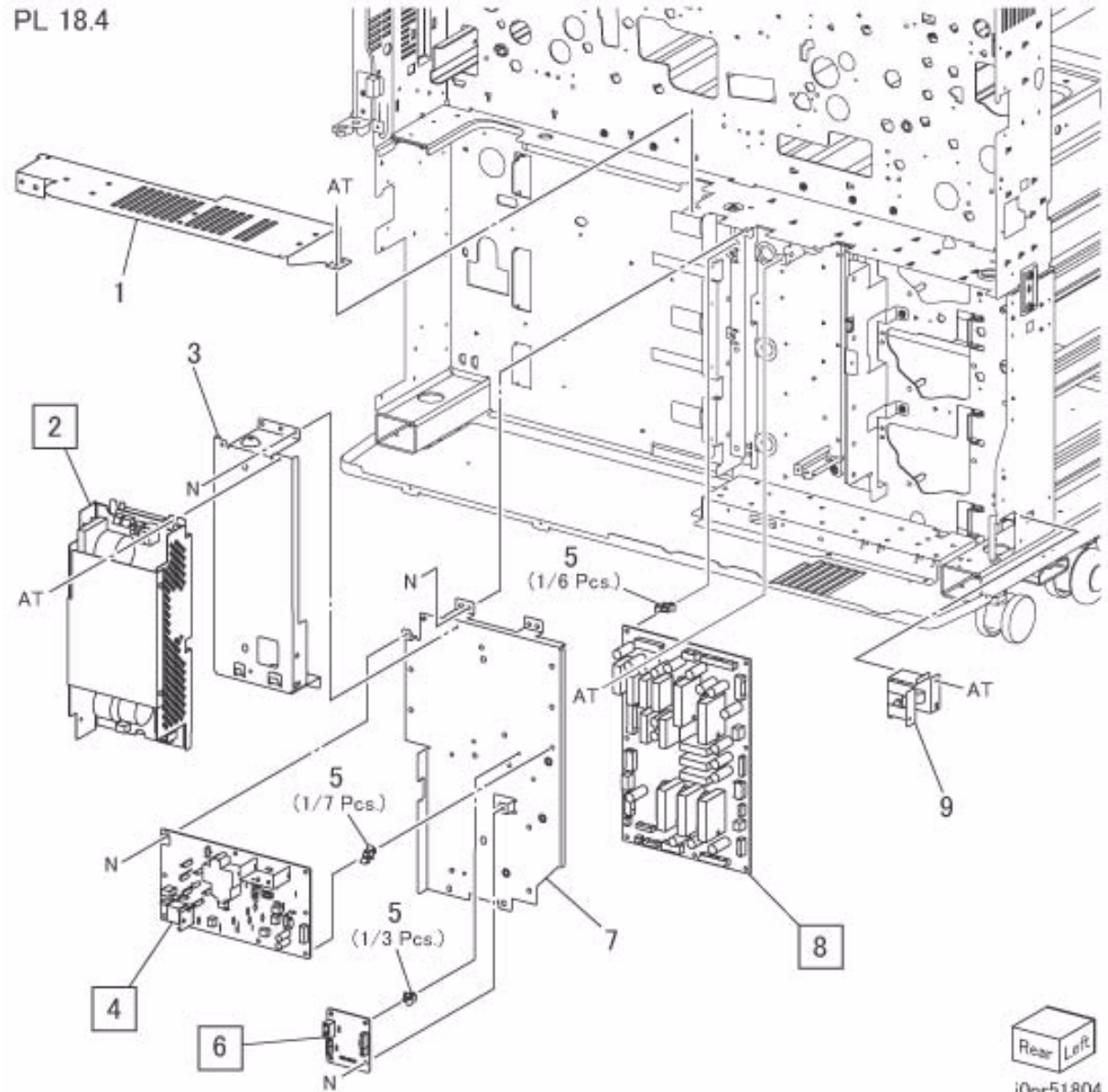


Left Front
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PL 18.4 IOT Rear (1 of 2)

Item	Parts No	Description	A.C.
1	-	Harness Bracket	72E1
2	105E 20430	(SCC) IIT LVPS (CC3) (REP 99.1.1)72E2	
3	-	Bracket	72E3
4	105E 20740	(SCC) HVPS (PR12) (REP 18.4.1, REP 99.1.1)72E4	
5	-	PWB Support	72E5
6	960K 63630	(SCC) MD BS PWB (REP 99.1.1)72E6	
7	-	Bracket	72E7
8	960K 53981	(SCC) PH Drive PWB (REP 18.4.2, REP 99.1.1)72E8	
9	849E 60980	Bracket	72E9

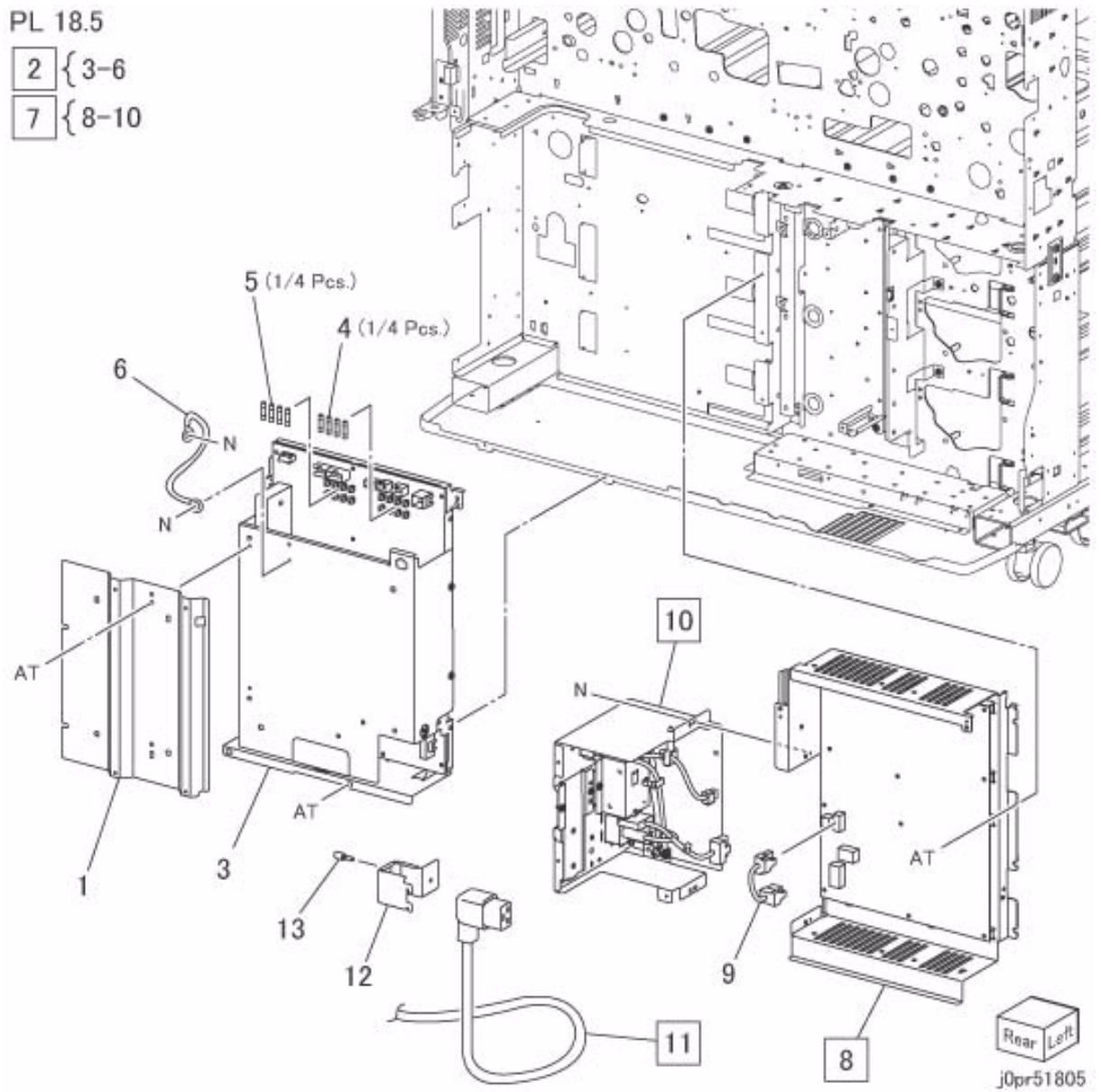
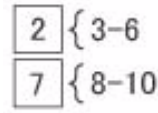
PL 18.4



PL 18.5 IOT Rear (2 of 2)

Item	Parts No	Description	A.C.
1	-	Bracket	72F1
2	105K 31320	(SCC) LVPS Assembly(N10) (Item 3-6) (REP 18.5.1, REP 99.1.1)7310	
3	-	LVPS N09A (P/O Item 2) 72F2	
4	108E 98001	Fuse (6.3A/250V)	72F3
5	108E 98520	Fuse (5A/250V)	72F4
6	-	Wire Harness (P/O Item 2)72F5	
7	105K 30700	(SCC) AC Power Supply Unit (Item 8-10) (REP 18.5.2, REP 99.1.1)72F6	
8	105K 31270	(SCC) AC Power Supply N09A (REP 99.1.1)72F7	
9	-	Wire Harness (P/O Item 7)72F8	
10	101K 62450	(SCC) Inlet Chassis Assembly (REP 99.1.1)72F9	
11	117E 21580	(SCC) Power Cord (FX)(REP 99.1.1)7122	
-	117E 24600	(SCC) Power Cord (FXA/FXNZ)(REP 99.1.1)7122	
-	117E 24610	(SCC) Power Cord (FXHK/FXS/FXM)(REP 99.1.1)7122	
-	117E 24630	(SCC) Power Cord (FXK/FXV/AG)(REP 99.1.1)7122	
-	117E 32610	(SCC) Power Cord (FXP/FXTH)(REP 99.1.1)7122	
-	117E 24650	(SCC) Power Cord (FXCL)(REP 99.1.1)7122	
-	117E 24660	(SCC) Power Cord (FXTW)(REP 99.1.1)7122	
12	849E 24831	Bracket	72FB
13	826E 09710	Screw	72FC

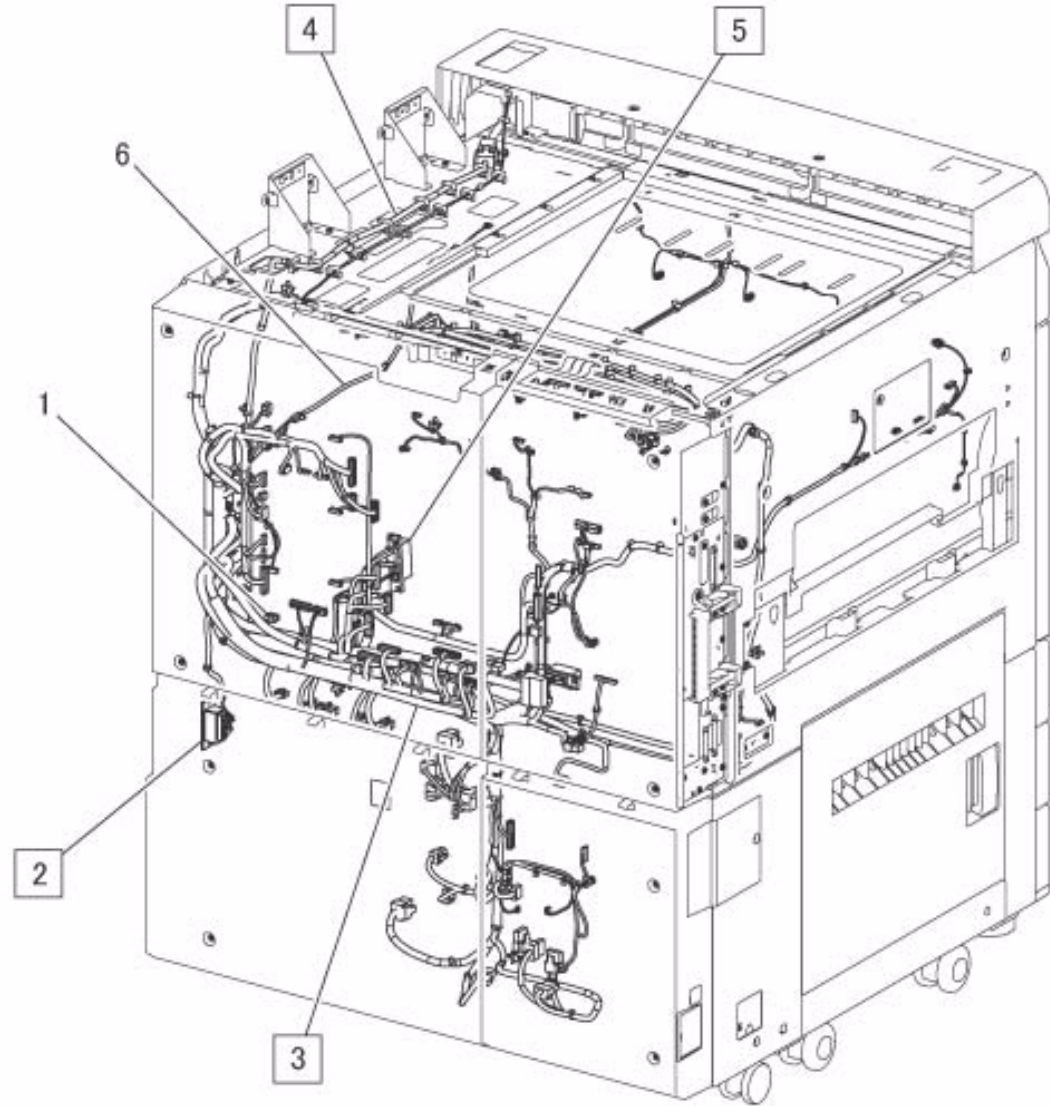
PL 18.5



PL 18.6 Wire Harness

Item	Parts No	Description	A.C.
1	962K 64590	Wire Harness (DFANR)	71B1
2	962K 93581	(SCC) Wire Harness (DCSIG)(REP 99.1.1)	71B2
3	962K 93591	(SCC) Wire Harness (DCPWR)(REP 99.1.1)	71B3
4	962K 93601	(SCC) Wire Harness (ACMAIN)(REP 99.1.1)	71B4
5	962K 93621	(SCC) Wire Harness (ACDRAW)(REP 99.1.1)	71B5
6	962K 61800	Wire Harness (RHPNT)	71B6

PL 18.6



Rear Left
jOpr51806

PL 19.1 Cover (1 of 2)

Item	Parts No	Description	A.C.
1	848K 53980	Front Cover Assembly (Item 2-5) (Color C75 Press) 32B1	
-	848K 74400	Front Cover Assembly (Item 2-5) (Color J75 Press) 32B1	
2	-	Front Cover (P/O Item 1) 32B2	
3	-	Fusing Duct Assembly (P/O Item 1) 32B3	
4	032E 21490	Cover Guide	32B4
5	121E 88470	Magnet Catch	32B5
6	-	Pin	32B6
7	815K 07680	Logo	32B7
8	848E 72631	Right Inner Cover	32B8
9	848E 22550	Left Inner Cover	32B9
10	848K 14690	Waste Bottle Cover Assembly (Item 11,12) 32BB	
11	-	Waste Bottle Cover (P/O Item 10) 32BC	
12	121E 92870	Magnet Catch	32BD
13	848K 20210	Right Upper Cover Assembly (Item 14,15) 32BE	
14	-	Right Upper Cover (P/O Item 14) 32BF	
15	802E 65101	Cover	32BG
16	802E 73652	Right Upper Rear Cover	32BH
17	848E 22640	Right Lower Front Cover	32BJ
18	848E 22660	Right Lower Center Cover	32BK
19	848E 72640	Right Lower Rear Cover	32BL
20	802E 63660	Blind Cover	32BM
21	003E 79070	Upper Hinge	32BN
22	-	Pin	32BP
23	003K 17200	Lower Hinge	32BQ
24	-	Left Bracket	32BR
25	003K 86630	Upper Hinge	32BS
26	003K 17190	Lower Hinge	32BT
27	-	Label (Caution)	32BV
28	-	Switch Label	32BW
29	-	Finisher Outlet Label (FX,APO,FXHK) 32BX	
30	-	Label (FX)	32C1
31	-	Label	32C2
32	848K 76410	Front Cover Unit (Item 1,7) (Color C75 Press) 32C3	

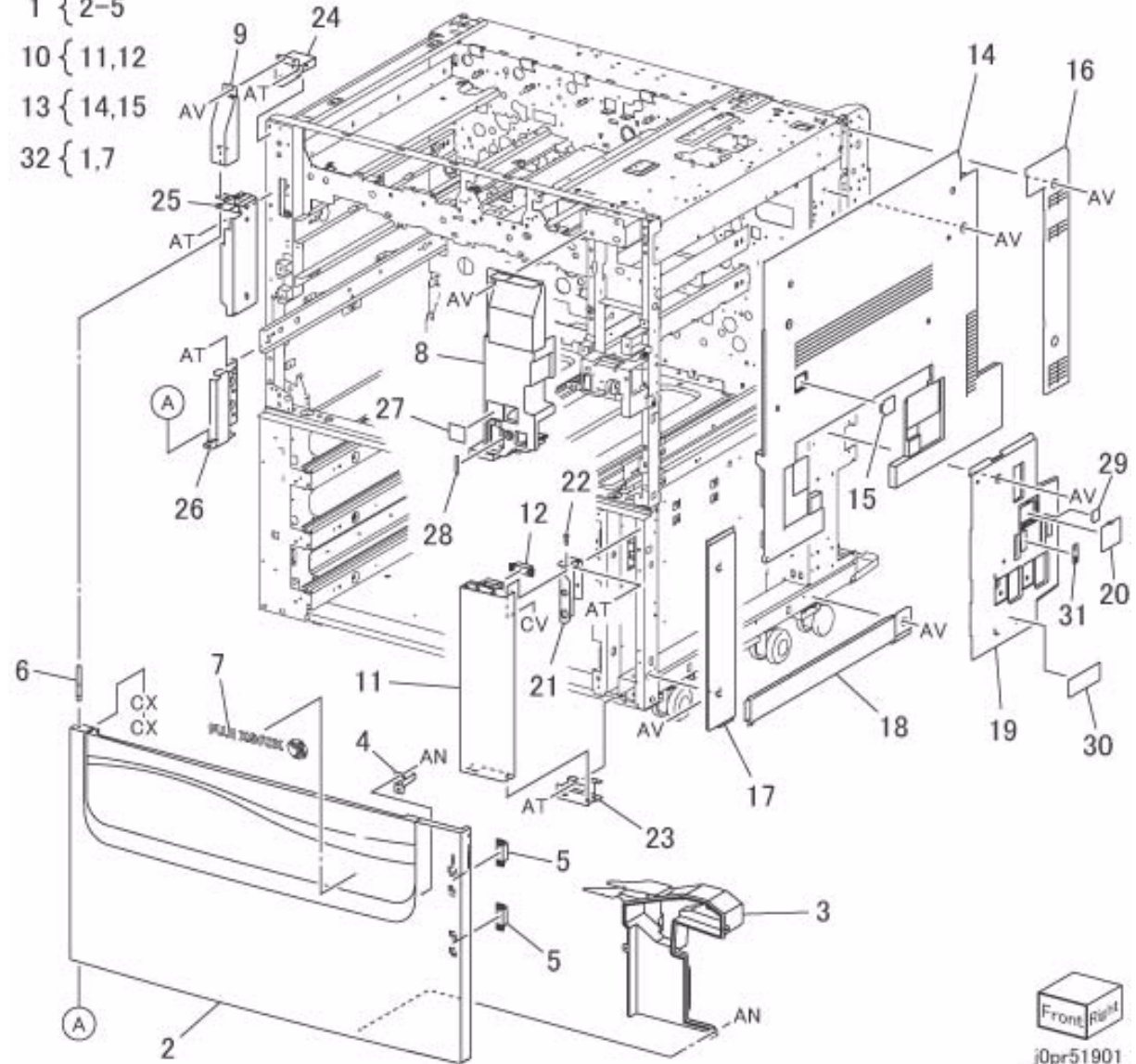
PL 19.1

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13 { 14,15

32 { 1,7

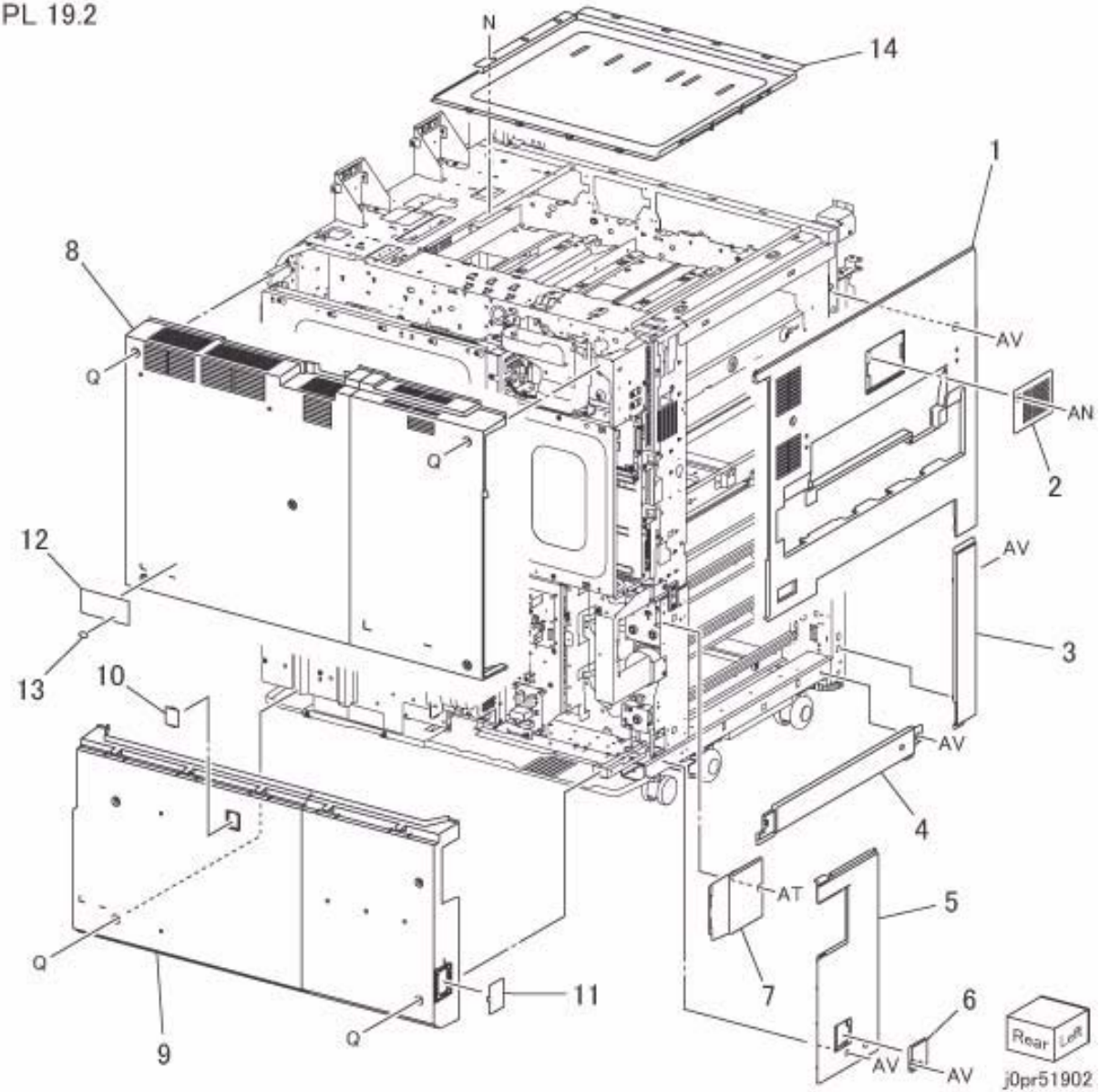


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PL 19.2 Cover (2 of 2)

Item	Parts No	Description	A.C.
1	848E 22592	Left Upper Cover	32D1
2	802E 65111	Filter Cover	32D2
3	848E 22600	Left Lower Front Cover	32D3
4	848E 22611	Left Lower Center Cover	32D4
5	848E 22622	Left Lower Rear Cover	32D5
6	848E 75530	EPSV Cover	32D6
7	802K 56961	Filter Cover Assembly	32D7
8	848K 53850	Rear Upper Cover Assembly	32D8
9	848K 53860	Rear Lower Cover Assembly	32D9
10	-	Cover	32DB
11	802E 63660	Blind Cover	32DC
12	-	Data Label	32DD
13	-	Label-CCC (FXCL)	32DE
14	-	IIT Plate	32DF

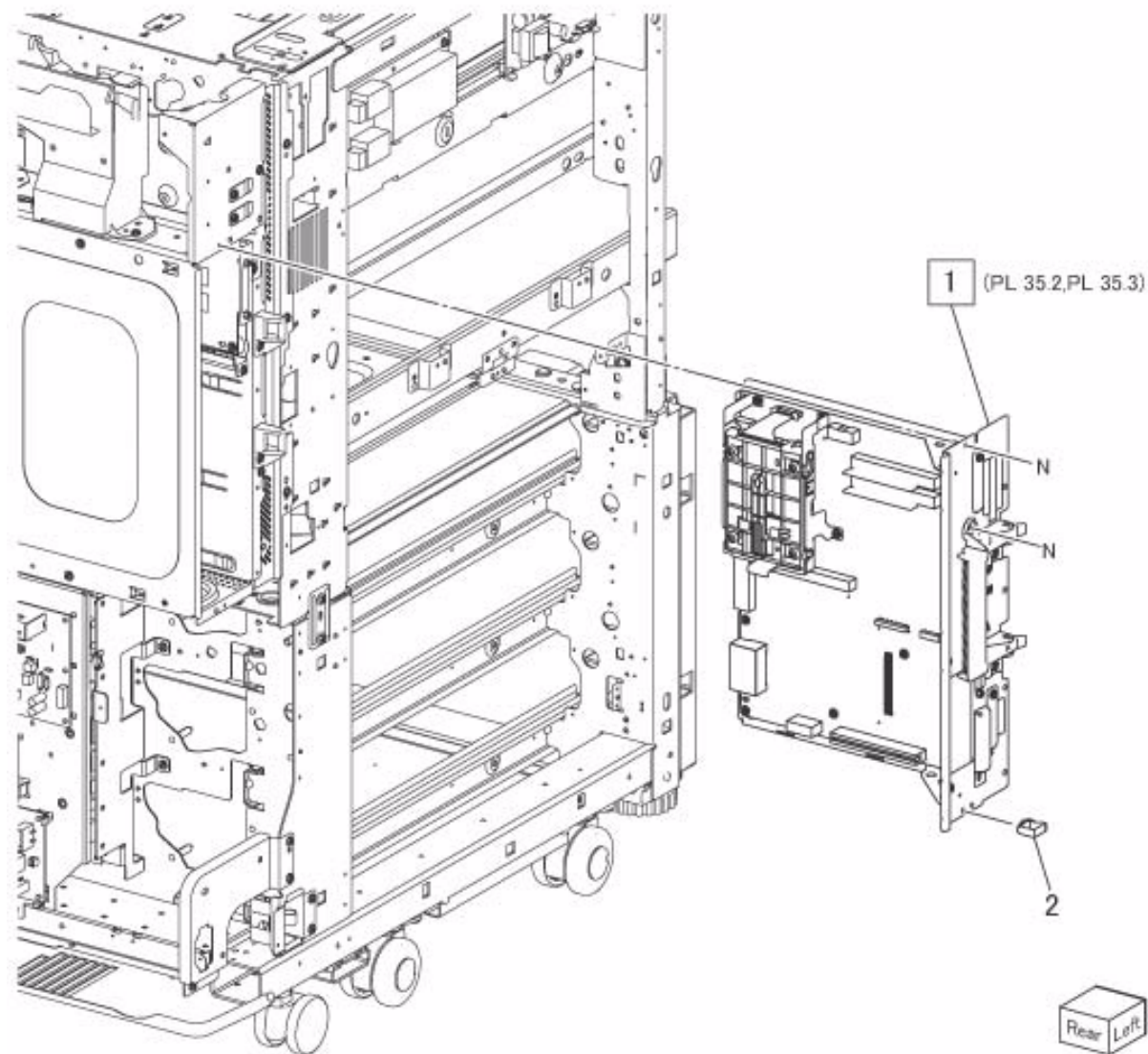
PL 19.2



PL 35.1 Control Unit

Item	Parts No	Description	A.C.
1	-	Control Unit (PL 35.1, PL 35.3) (REP 35.1.1)76B1	
2	920W 01218	Clamp	76B2

PL 35.1



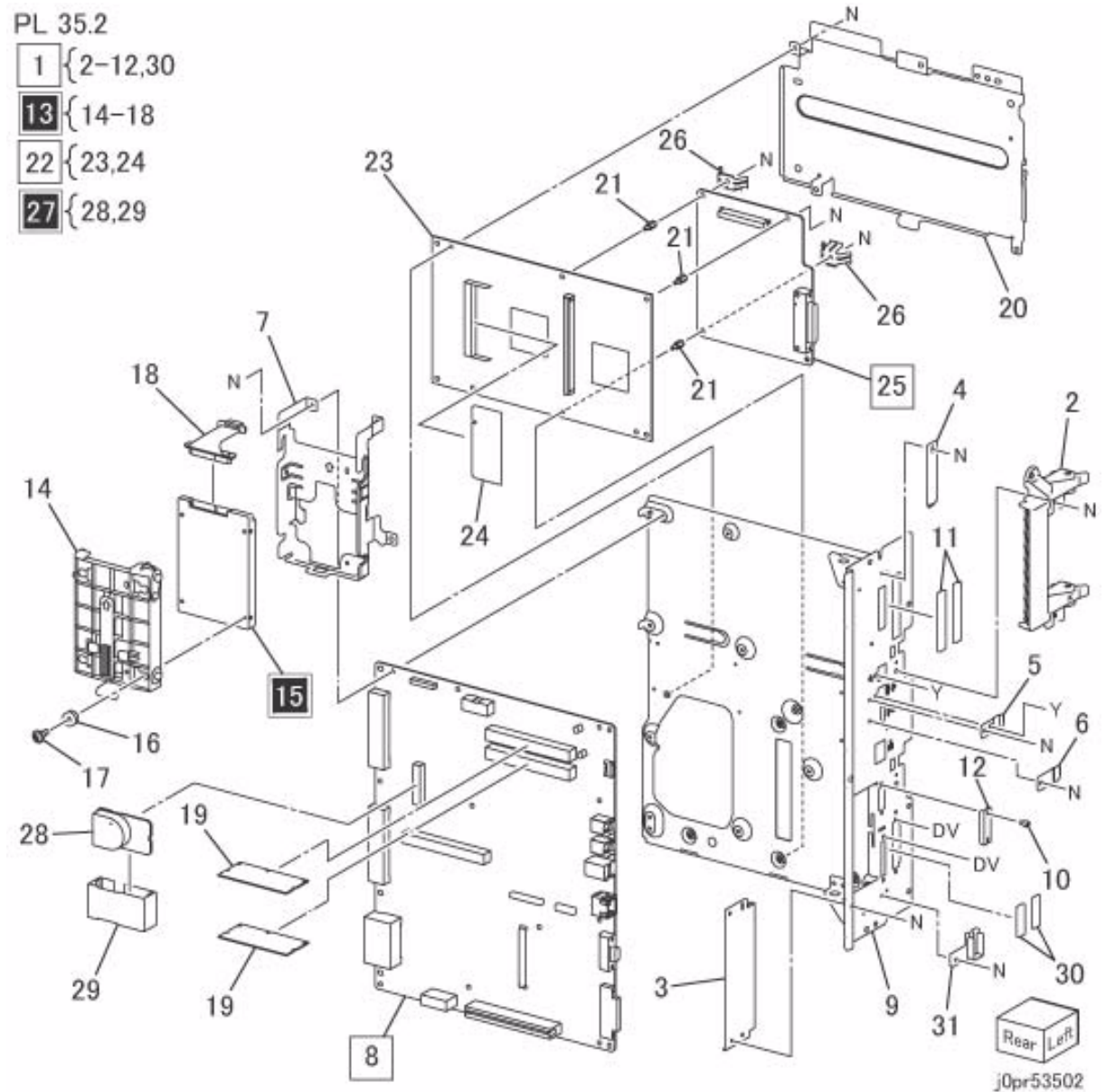
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PL 35.2 Control Unit Component

Item	Parts No	Description	A.C.
1	604K 80320	(SCC) Control Housing Kit (Item 2-12,30) (FX) (REP 99.1.1)76C1	
-	604K 80330	(SCC) Control Housing Kit (Item 2-12,30) (APO/GCO) (REP 99.1.1)76C1	
2	003K 88020	Handle Assembly	76C2
3	-	Panel (P/O Item 1)	76C3
4	802E 56690	Blind Cover	76C4
5	101E 19411	Panel	76C5
6	-	USB Panel (P/O Item 1)	76C6
7	868E 41340	HDD Bracket	76C7
8	604K 80360	(SCC) ESS PWB (FX) (REP 35.2.1, REP 99.1.1)7610	
-	604K 80370	(SCC) ESS PWB (APO/GCO) (REP 35.2.1, REP 99.1.1)7610	
9	-	Housing Assembly (P/O Item 1)76C8	
10	-	Screw	76C9
11	-	Gasket (P/O Item 1)	76CB
12	-	EPSV Panel (P/O Item 1)76CC	
13	101K 66540	(SCC) (ISC) HDD Assembly (Item 14-18) (ADJ 18.1.8) (REP 99.1.1)7810	
14	-	HDD Cover (P/O Item 13)76CD	
15	121K 52930	(SCC) (ISC) HDD (ADJ 18.1.8) (REP 99.1.1)76CE	
16	-	Damper (P/O Item 13)	76CF
17	826E 10470	Screw	76CG
18	962K 79750	HDD Cable	76CH
19	133K 27140	DIMM 1GB	76CJ
20	-	Cover	76CK
21	-	Spacer	76CL
22	960K 64380	(SCC) Artemis PWB Assembly (Item 23, 24) (REP 35.2.2, REP 99.1.1)76CM	
23	-	Artemis PWB (P/O Item 22)76CN	
24	-	DIMM (P/O Item 22)	76CP
25	960K 46761	(SCC) 1P DUP PWB (REP 35.2.3, REP 99.1.1)76CQ	
26	130E 88210	Conductor	76CR
27	101K 60793	(SCC) (ISC) NVM PWB Assembly (Item 28, 29) (ADJ 18.1.8) (REP 99.1.1)76CS	
28	-	NVM PWB (P/O Item 27)76CT	
29	101E 24421	Cover	76CV
30	-	Gasket (P/O Item 1)	76CW
31	-	Guide	76CX

PL 35.2

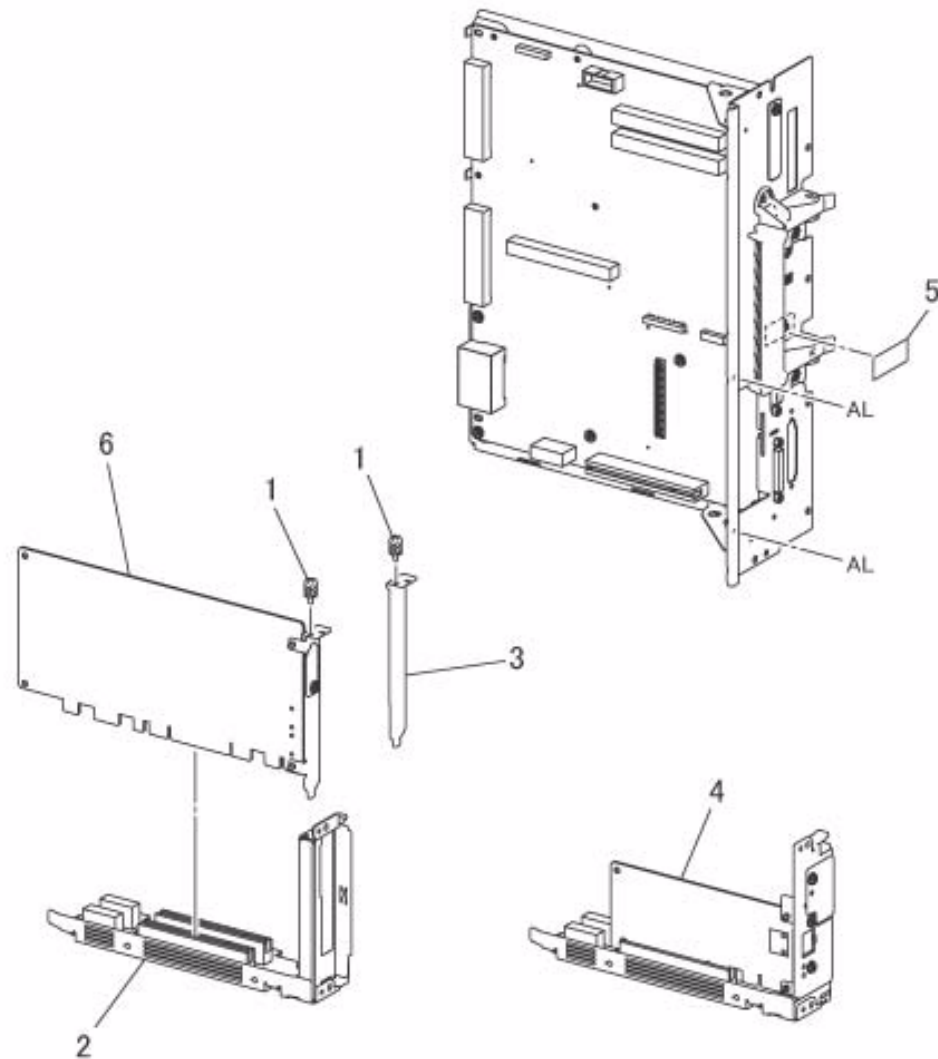
- 1 { 2-12,30
- 13 { 14-18
- 22 { 23,24
- 27 { 28,29



PL 35.3 Control Unit (Option)

PL 35.3

Item	Parts No	Description	A.C.
1	826E 14330	Knurling Screw	76E1
2	101K 60870	Riser PWB Assembly	76E2
3	849E 68740	Plate	76E3
4	101K 60862	Gigabit Ethernet PWB Assembly	76E4
5	-	Seal	76E5
6	960K 61522	Image Comp. PWB (SELENE)	76E6

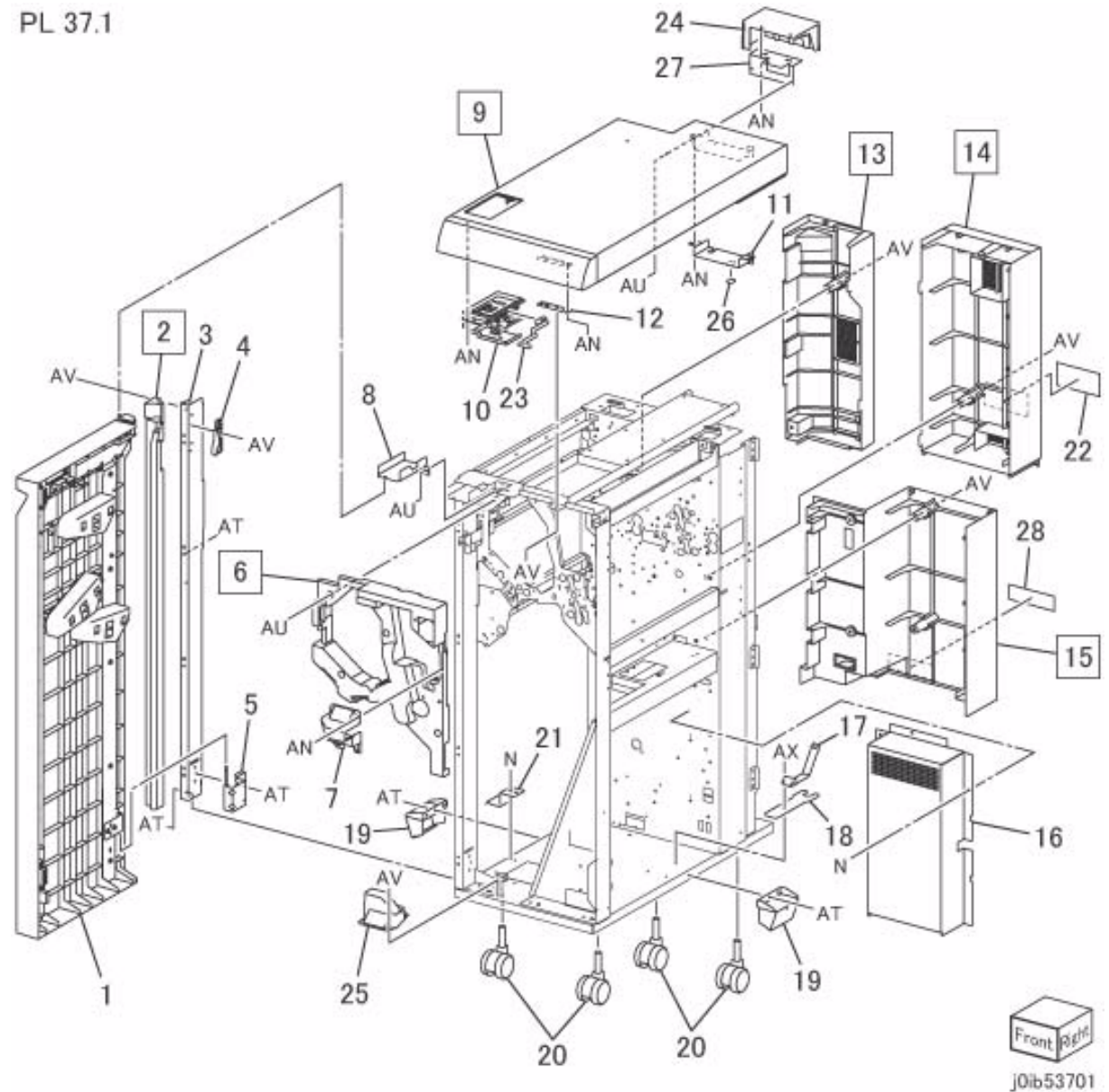


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PL 37.1 IFM Cover

Item	Parts No	Description	A.C.
1	848K 20380	Front Door Assembly (with Item 5)64B1	
2	848E 25800	(SCC) Front Cover (REP 99.1.1)64B2	
3	-	Front Angle Frame	64B3
4	032E 31370	Guard Finger	64B4
5	-	Lower Hinge (P/O Item 1)64B5	
6	848K 23160	Inner Cover (REP 37.1.2)64B6	
7	848E 28020	Lever Cover	64B7
8	-	Upper Hinge	64B8
9	848E 25780	(SCC) Top Cover (REP 99.1.1)64B9	
10	848K 58250	IFM Control Panel SW/LED (with Item 23)64BB	
11	-	Bracket	64BC
12	-	Plate	64BD
13	848E 15840	(SCC) Rear Left Cover (REP 99.1.1)64BE	
14	848E 15850	(SCC) Rear Right Cover(REP 99.1.1)64BF	
15	848E 25810	(SCC) Rear Lower Cover (REP 99.1.1)64BG	
16	-	LVPS Cover	64BH
17	-	Spanner	64BJ
18	-	Spanner	64BK
19	868E 17360	Bracket	64BL
20	-	Caster	64BM
21	015K 79510	Shield Plate	64BN
22	-	Data Plate	64BP
23	962K 65440	Wire Harness	64BQ
24	-	Blind Cover	64BR
25	-	Frame Cover	64BS
26	-	Gasket	64BT
27	-	Bracket	64BV
28	-	Earth Label	64BW

PL 37.1



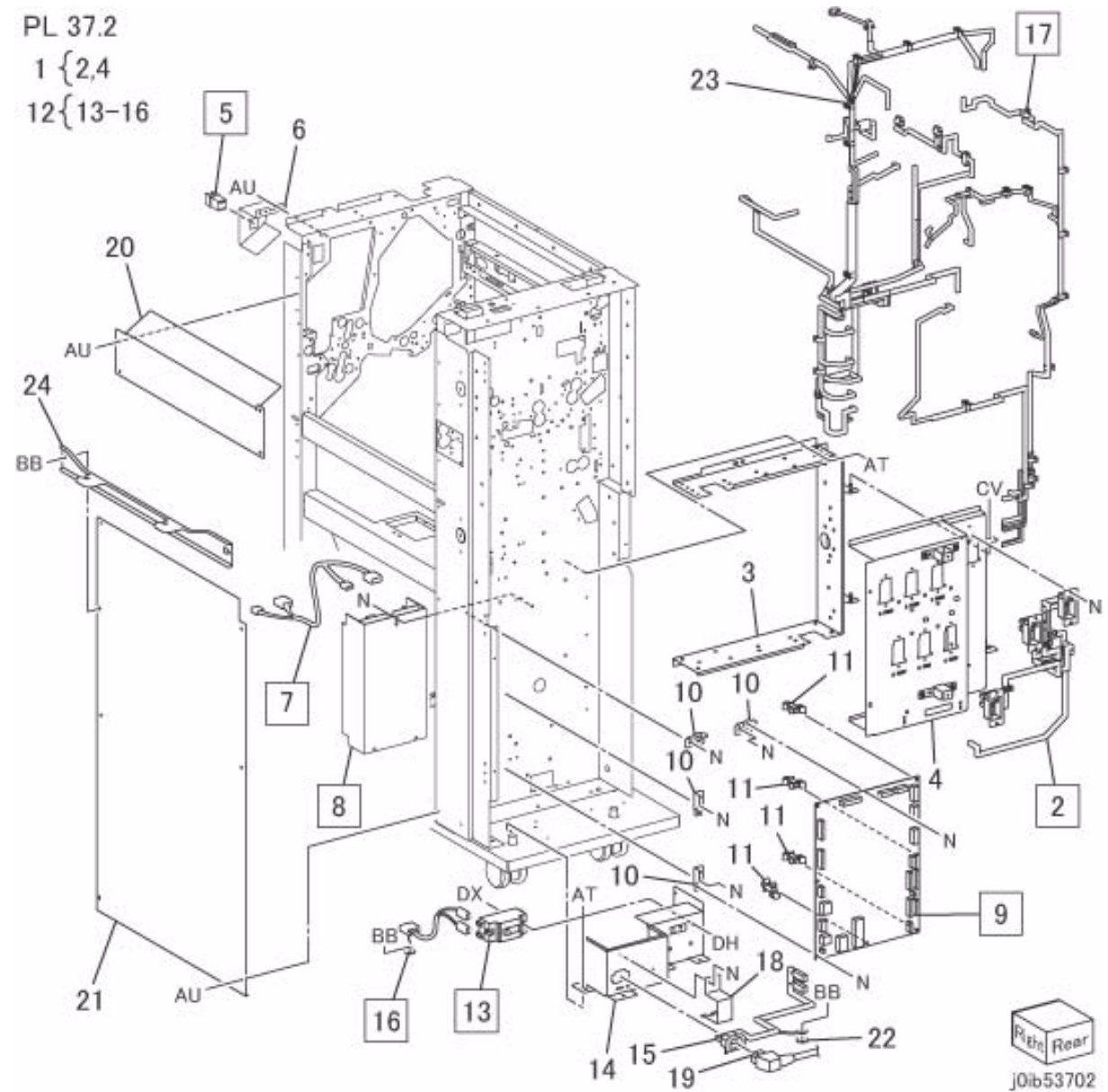
PL 37.2 LVPS / Breaker

Item	Parts No	Description	A.C.
1	848K 08311	IOT-IFM PWB Communication (Item 2,4)64C1	
2	962K 65420	(SCC) CDI Harness Assembly(REP 99.1.1)64C2	
3	-	Bracket	64C3
4	-	Cover (P/O Item 1)	64C4
5	110E 97990	IFM Front Door Interlock Switch (REP 37.2.1)64C5	
6	-	Bracket	64C6
7	962K 65450	(SCC) Wire Harness(REP 99.1.1)64C7	
8	105E 15191	(SCC) IFM LVPS (REP 99.1.1)64C8	
9	960K 50890	(SCC) IFM PWB (REP 37.2.2, REP 99.1.1)64C9	
10	-	PWB Bracket	64CB
11	-	PWB Support	64CC
12	068K 56630	Inlet Bracket Assembly (Item 13-16)64CD	
13	908W 00917	(SCC) Breaker (REP 99.1.1)64CE	
14	-	Bracket (P/O Item 12)	64CF
15	-	Inlet Socket (P/O Item 12)64CG	
16	962K 65410	(SCC) AC LVPS Harness (REP 99.1.1)64CH	
17	962K 71090	(SCC) Wire Harness(REP 99.1.1)64CJ	
18	-	Cover	64CK
19	-	Power Cord	64CL
20	-	Right Upper Cover	64CM
21	-	Right Lower Cover	64CN
22	-	Washer	64CP
23	-	Main Motor Wire Harness64CQ	
24	015K 78590	Docking Plate Assembly 64CR	

PL 37.2

1 { 2,4

12 { 13-16

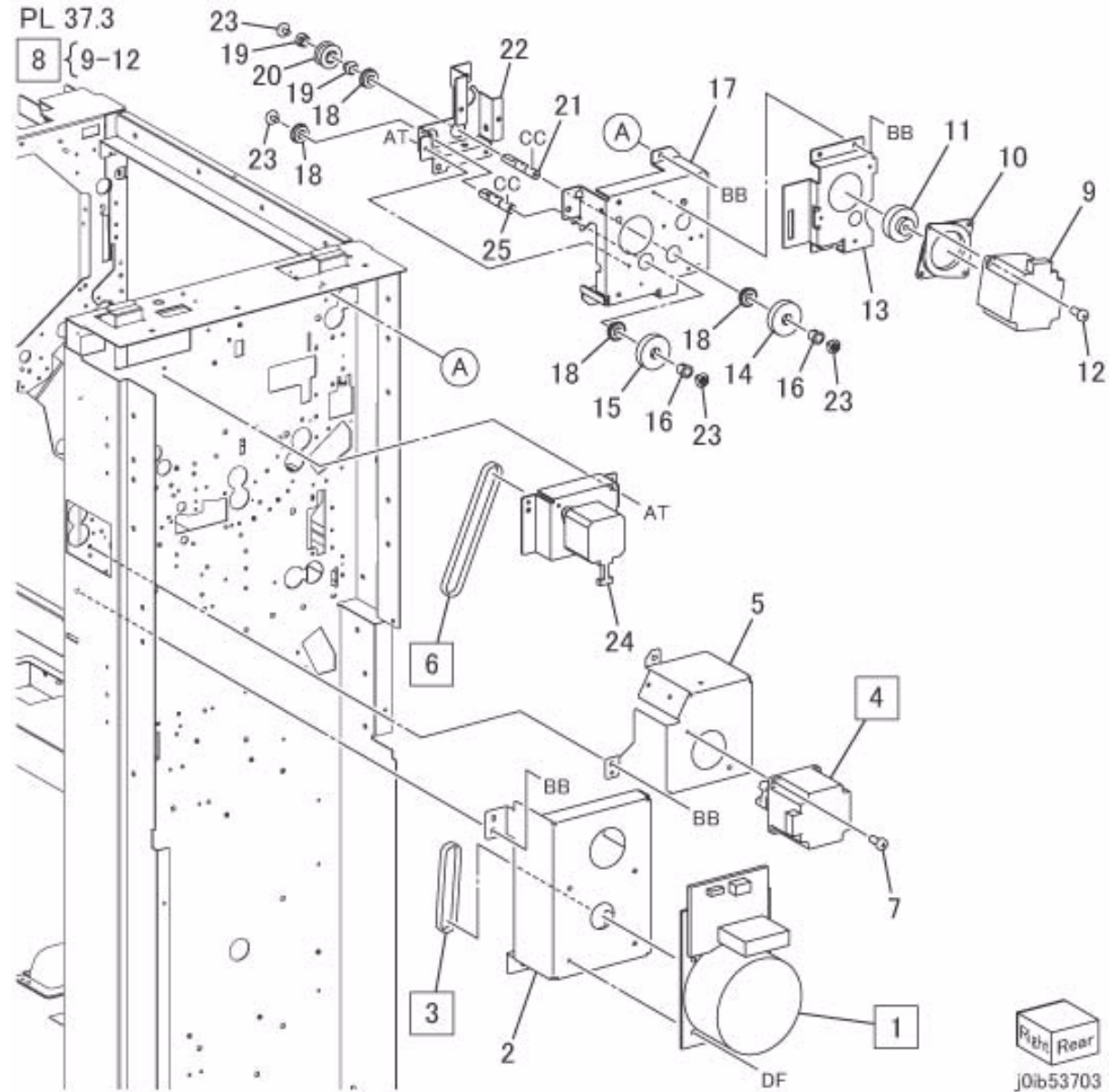


Right Rear

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PL 37.3 IFM Drive

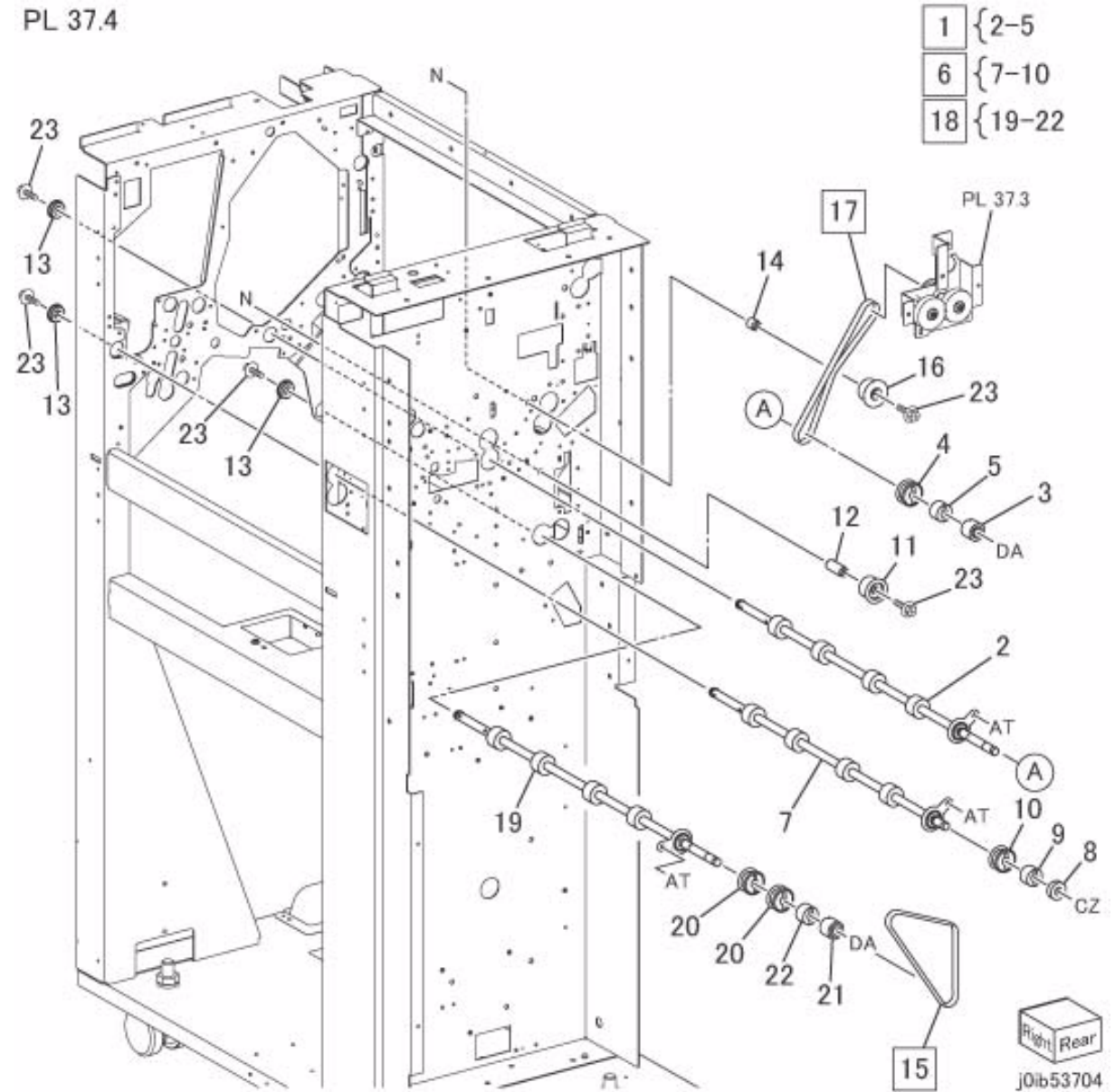
Item	Parts No	Description	A.C.
1	127K 58161	(SCC) Decurler Belt Motor (REP 99.1.1)64D1	
2	-	Bracket	64D2
3	023E 27130	Decurler Motor Belt (REP 37.3.1)64D3	
4	127K 56860	(SCC) Decurler Cam Motor (REP 99.1.1)64D4	
5	-	Bracket	64D5
6	023E 27260	Exit Motor Belt (REP 37.3.2)64D6	
7	-	Screw	64D7
8	127K 56870	(SCC) IFM Transport Motor Assembly (Item 9-12)(REP 99.1.1)64D8	
9	-	IFM Transport Motor (P/O Item 8)64D9	
10	-	Damper (P/O Item 8)	64DB
11	-	Gear (P/O Item 8)	64DC
12	-	Screw (P/O Item 8)	64DD
13	-	Bracket	64DE
14	807E 21520	Gear	64DF
15	807E 21530	Gear	64DG
16	005E 25350	Collar	64DH
17	-	Bracket	64DJ
18	013E 34440	Bearing	64DK
19	005E 25280	Spacer	64DL
20	020E 45420	Pulley	64DM
21	006K 87440	Shaft	64DN
22	-	Bracket	64DP
23	826E 38620	Screw	64DQ
24	127K 58810	Exit Motor Assembly	64DR
25	-	Shaft	64DS



PL 37.4 Trans Roll

Item	Parts No	Description	A.C.
1	059K 61170	Trans Roll Assembly (Item 2-5)(REP 37.4.1)64F1	
2	059K 57730	Trans Roll	64F2
3	005K 08860	Flange	64F3
4	020K 15760	Pulley	64F4
5	005K 09120	Torque Limiter Clutch	64F5
6	059K 57570	Exit Roll Assembly (Item 7-10)(REP 37.4.2)64F6	
7	059K 57740	Exit Roll	64F7
8	005E 26360	Collar	64F8
9	005K 09120	Torque Limiter Clutch	64F9
10	020K 15760	Pulley	64FB
11	-	Pulley	64FC
12	-	Stud	64FD
13	013E 34300	Bearing	64FE
14	826E 31970	Stud	64FF
15	023E 27240	Entrans Belt (REP 37.4.3)64FG	
16	020K 15780	Pulley	64FH
17	023E 27250	Feed Belt (REP 37.4.3) 64FJ	
18	059K 60660	Trans Roll Assembly (Item 19-22)(REP 37.4.1)64FK	
19	059K 57730	Trans Roll	64FL
20	020K 15760	Pulley	64FM
21	005K 08860	Flange	64FN
22	005K 09120	Torque Limiter Clutch	64FP
23	826E 38620	Screw	64FQ

PL 37.4

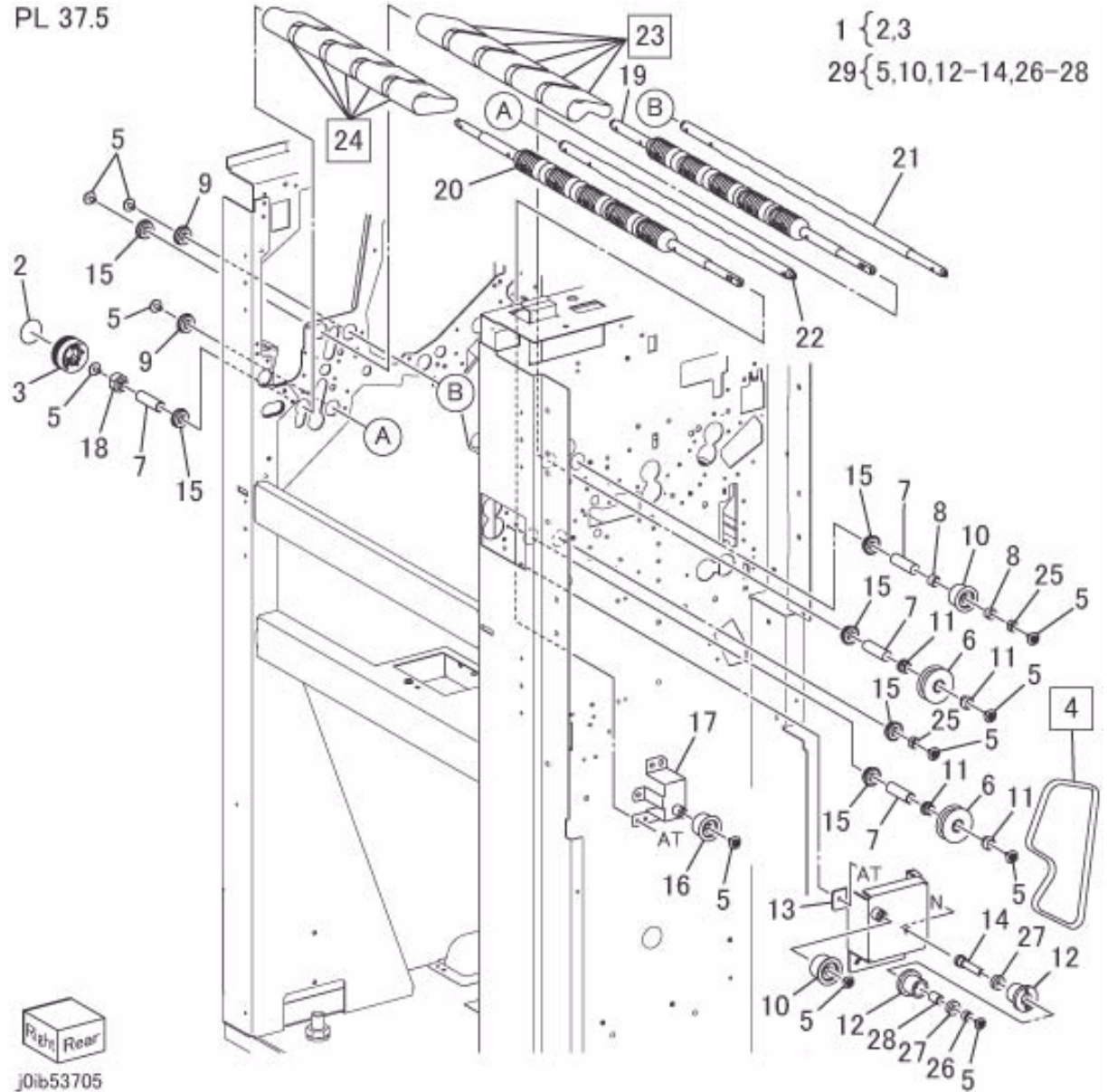


- 1 {2-5
- 6 {7-10
- 18 {19-22

PL 37.5 Decurler Drive Belt

Item	Parts No	Description	A.C.
1	003K 86660	Knob Assembly (Item 2,3)	64G1
2	-	Label (P/O Item 1)	64G2
3	-	Knob (P/O Item 1)	64G3
4	023E 26910	Decurler Drive Belt (REP 37.5.2)	64G4
5	826E 38620	Screw	64G5
6	020E 45380	Pulley	64G6
7	005E 25202	Collar	64G7
8	005E 25270	Collar	64G8
9	013E 34300	Bearing	64G9
10	020K 15730	Pulley	64GB
11	005E 25280	Spacer	64GC
12	020K 17300	Pulley	64GD
13	-	Bracket (P/O Item 29)	64GE
14	-	Shaft (P/O Item 29)	64GF
15	013E 34440	Bearing	64GG
16	020K 15730	Pulley	64GH
17	-	Bracket	64GJ
18	-	Spacer	64GK
19	059K 55190	Upper Decurler Belt Roll	64GL
20	059K 55200	Lower Decurler Belt Roll	64GM
21	059E 03782	Upper Idle Roll	64GN
22	059E 03792	Lower Idle Roll	64GP
23	023E 07321	Decurler Belt Upper (REP 37.5.1)	64GQ
24	023E 07321	Decurler Belt Lower (REP 37.5.1)	64GR
25	005E 25221	Collar	64GS
26	005E 31330	Collar	64GT
27	013E 34290	Bearing	64GV
28	005E 25180	Collar	64GW
29	068K 56650	Tension Bracket Assembly (Item 5,10,12-14,26-28)	64GX

PL 37.5

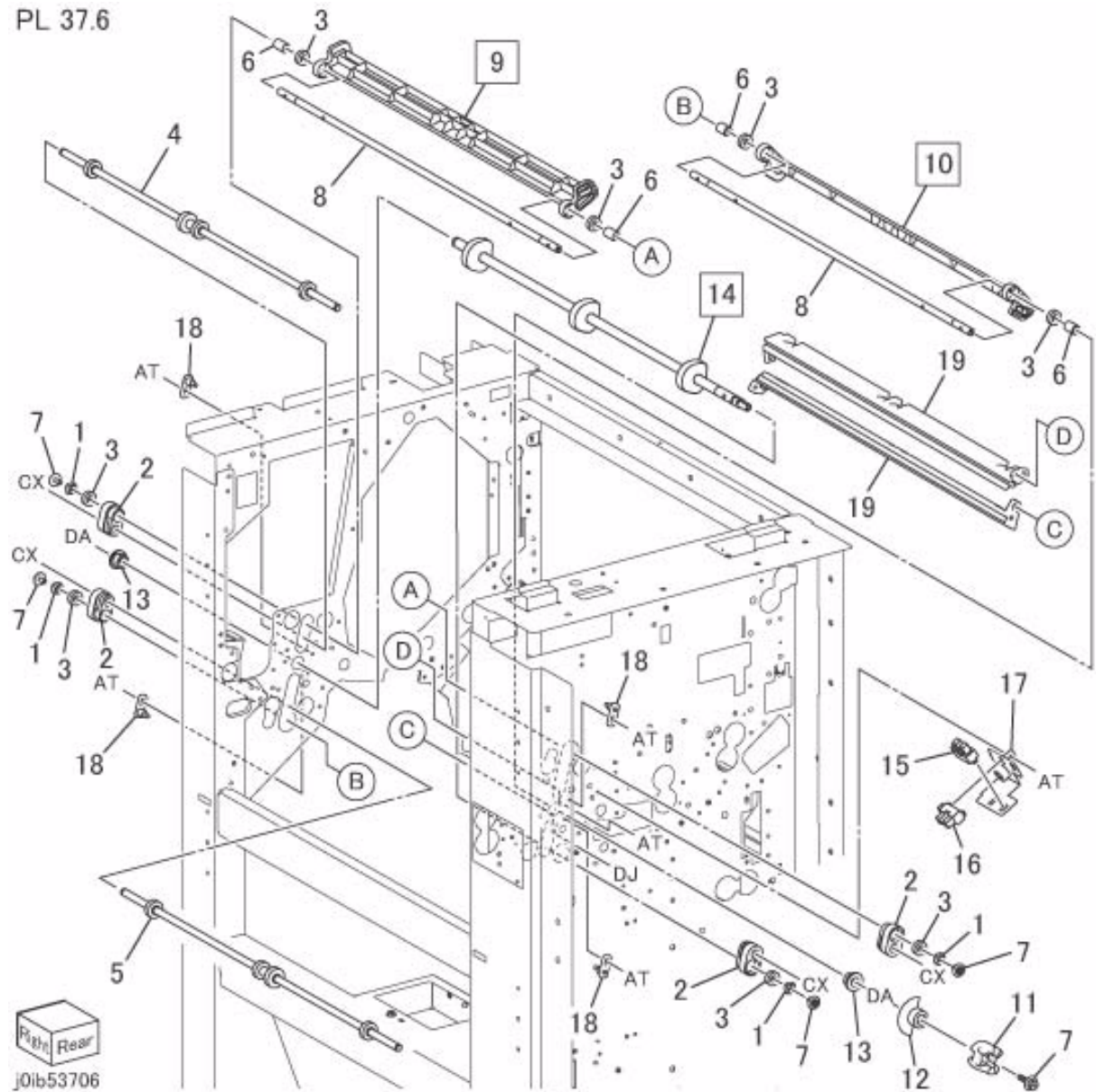


Right Rear
j0ib53705

PL 37.6 Inlet Chute

Item	Parts No	Description	A.C.
1	005E 25170	Collar	64J1
2	-	Block	64J2
3	013E 34290	Bearing	64J3
4	006K 89680	Shaft Assembly	64J4
5	006K 89680	Shaft Assembly	64J5
6	005E 25180	Collar	64J6
7	-	Screw	64J7
8	806E 22770	Shaft	64J8
9	054E 34860	Inlet Chute Upper (REP 37.6.1)64J9	
10	054E 34860	Inlet Chute Lower (REP 37.6.1)64JB	
11	005E 27410	Coupling Cam	64JC
12	120E 29780	Actuator	64JD
13	-	Bearing	64JE
14	006K 86520	Cam Shaft (REP 37.6.2) 64JF	
15	107E 08680	Decurler Cam Position Sensor 264JG	
16	107E 08680	Decurler Cam Position Sensor 164JH	
17	-	Bracket	64JJ
18	-	Pin	64JK
19	068K 56680	Decurler Bracket	64JL

PL 37.6

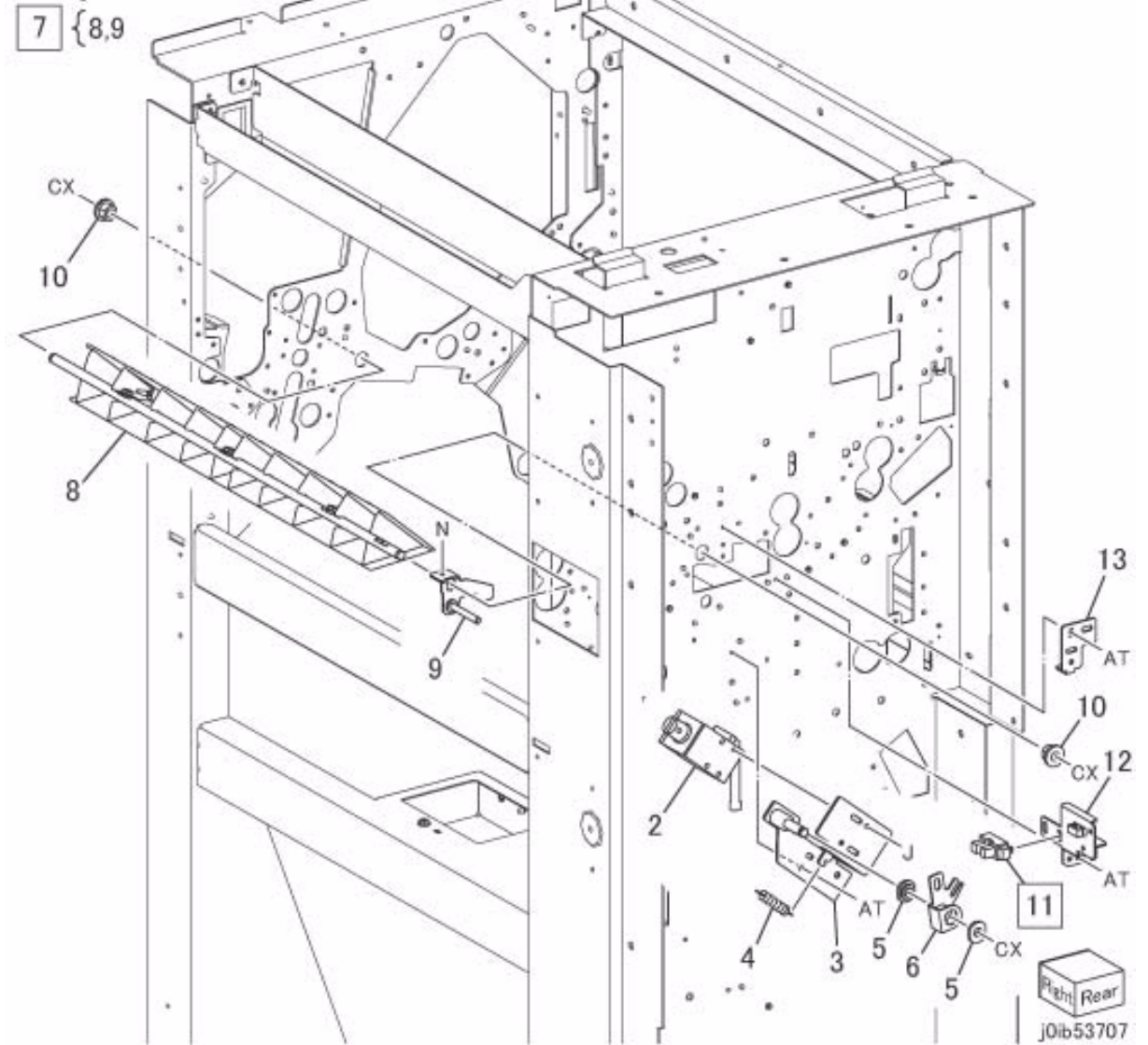


PL 37.7 Gate Assembly

Item	Parts No	Description	A.C.
1	121K 42220	Decurler Gate Solenoid Assembly (Item 2-6)64K1	
2	121K 42720	Decurler Gate Solenoid	64K2
3	-	Bracket Assembly (P/O Item 1)64K3	
4	-	Spring (P/O Item 1)	64K4
5	-	Bearing (P/O Item 1)	64K5
6	-	Gate Lever (P/O Item 1)	64K6
7	050K 60911	Gate Assembly (Item 8,9)(REP 37.7.1)64K7	
8	-	Gate (P/O Item 7)	64K8
9	-	Link (P/O Item 7)	64K9
10	-	Bearing	64KB
11	107E 08680	Decurler Gate Sensor (REP 37.7.2)64KC	
12	-	Bracket	64KD
13	-	Guide	64KE

PL 37.7

1 {2-6
7 {8,9

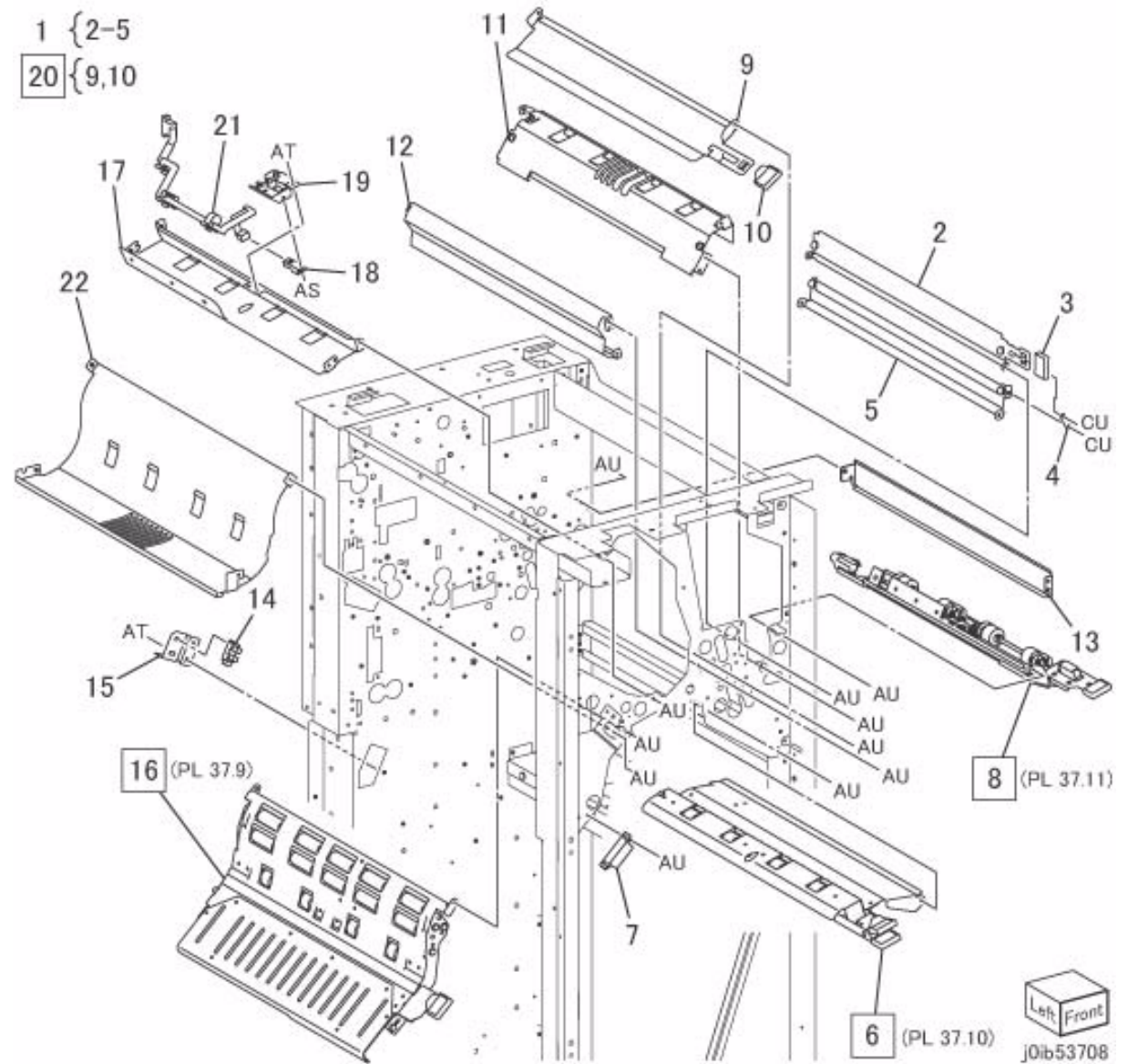


PL 37.8 Guide Assembly

Item	Parts No	Description	A.C.
1	038K 18181	Exit Guide Assembly (Item 2-5)64L1	
2	-	Guide (P/O Item 1)	64L2
3	-	Knob (P/O Item 1)	64L3
4	-	Plate (P/O Item 1)	64L4
5	-	Lower Exit Guide Assembly (P/O Item 1)64L5	
6	038K 18260	Guide Assembly-MID Low (PL 37.10) (REP 37.8.1) 64L6	
7	121E 20640	Magnet	64L7
8	038K 18240	Guide Assembly-Exit Up (PL 37.11) (REP 37.8.2) 64L8	
9	-	Guide Assembly-MID U (P/O Item 20)64L9	
10	011K 98980	Knob 2a	64LB
11	038K 20860	Guide Assembly (with Eliminator)64LC	
12	038E 36570	Guide	64LD
13	038E 36590	Guide	64LE
14	107E 08680	Entrance Chute Open Sensor64LF	
15	-	Bracket	64LG
16	038K 20850	Guide Assembly Low-563 (PL 37.9) (REP 37.8.1) 64LH	
17	038E 39730	Guide Assembly	64LJ
18	930W 00211	Decurler In Sensor	64LK
19	868E 07540	Bracket	64LL
20	038K 18300	Guide Assembly-MID U (Item 9,10) (REP 37.8.1) 64LM	
21	-	Sensor Wire Harness	64LN
22	-	Guide Upper-563	64LP

PL 37.8

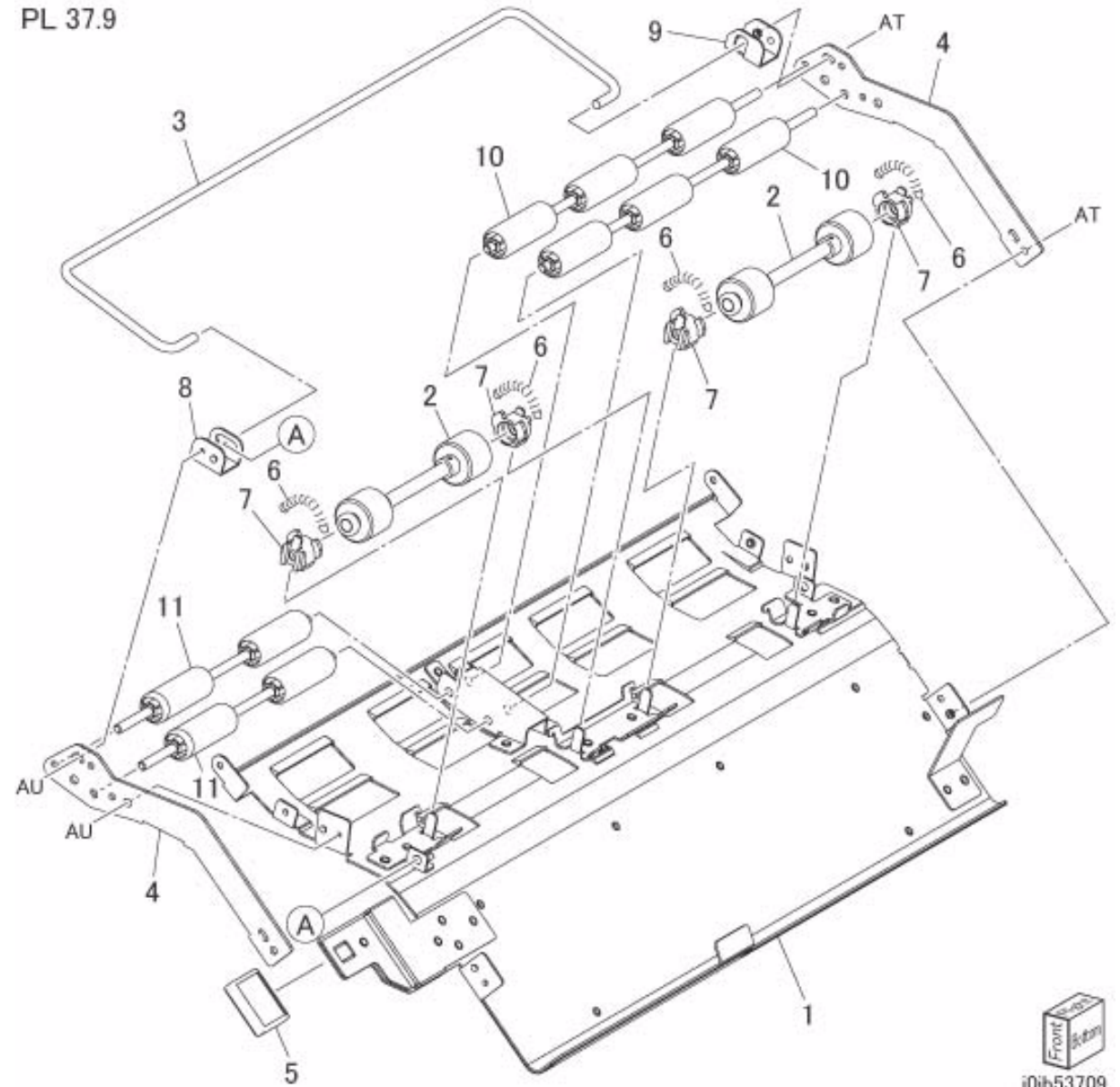
1 { 2-5
20 { 9,10



PL 37.9 Guide Assembly Low-563

Item	Parts No	Description	A.C.
1	-	Guide	64M1
2	059K 57700	Pinch Roll	64M2
3	-	Torsion Bar	64M3
4	-	Guide Plate	64M4
5	-	Knob 1a	64M5
6	809E 84600	Spring	64M6
7	-	Collar	64M7
8	-	Bracket (Front)	64M8
9	-	Bracket (Rear)	64M9
10	-	Roll (Long)	64MB
11	-	Roll (Short)	64MC

PL 37.9

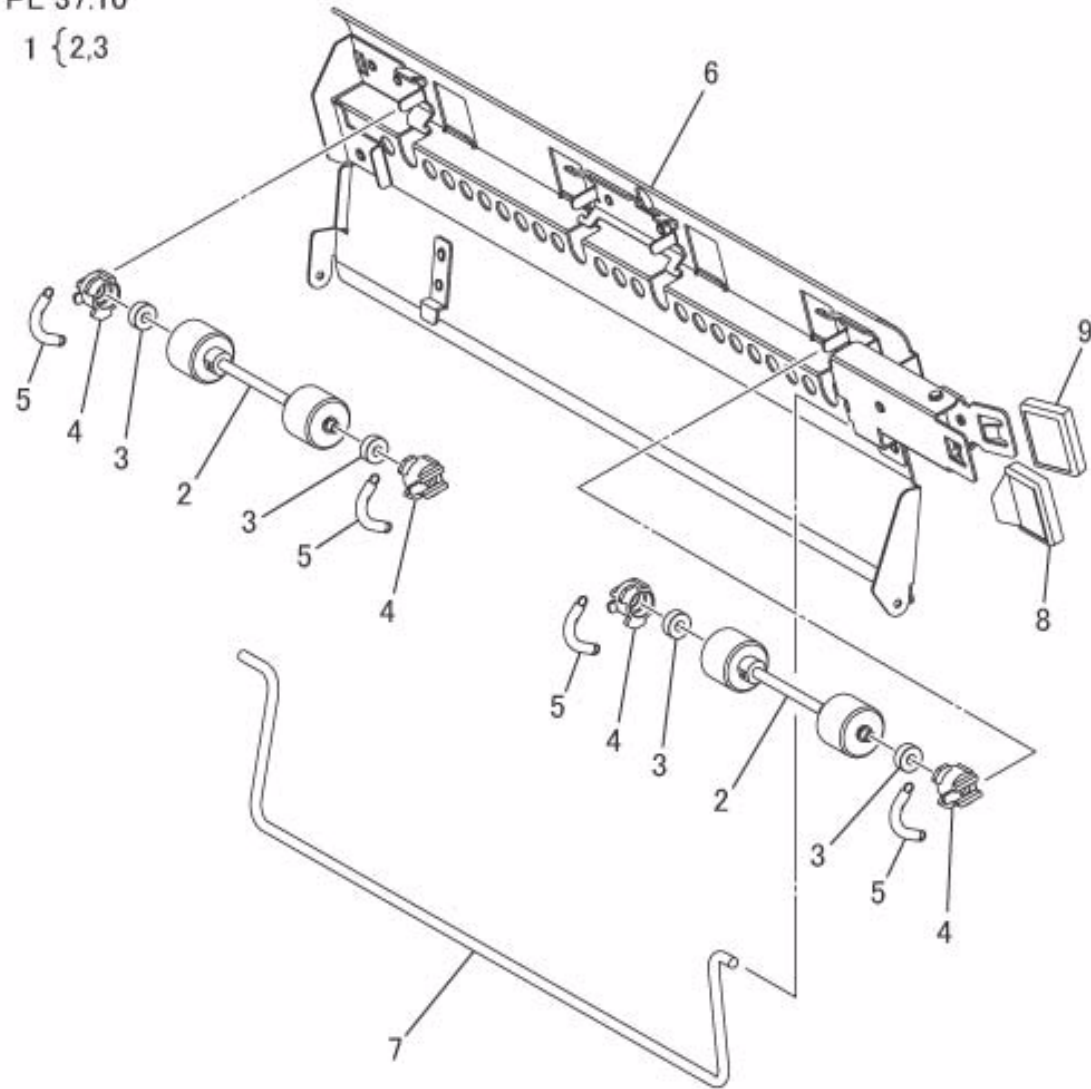


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PL 37.10 Guide Assembly-MID Low

Item	Parts No	Description	A.C.
1	059K 57700	Pinch Roll Assembly (Item 2,3)64N1	
2	-	Pinch Roll (P/O Item 1)	64N2
3	-	Bearing (P/O Item 1)	64N3
4	-	Collar	64N4
5	809E 79160	Spring	64N5
6	-	Guide Assembly	64N6
7	-	Torsion Bar	64N7
8	-	Knob	64N8
9	011K 98970	Knob 2b	64N9

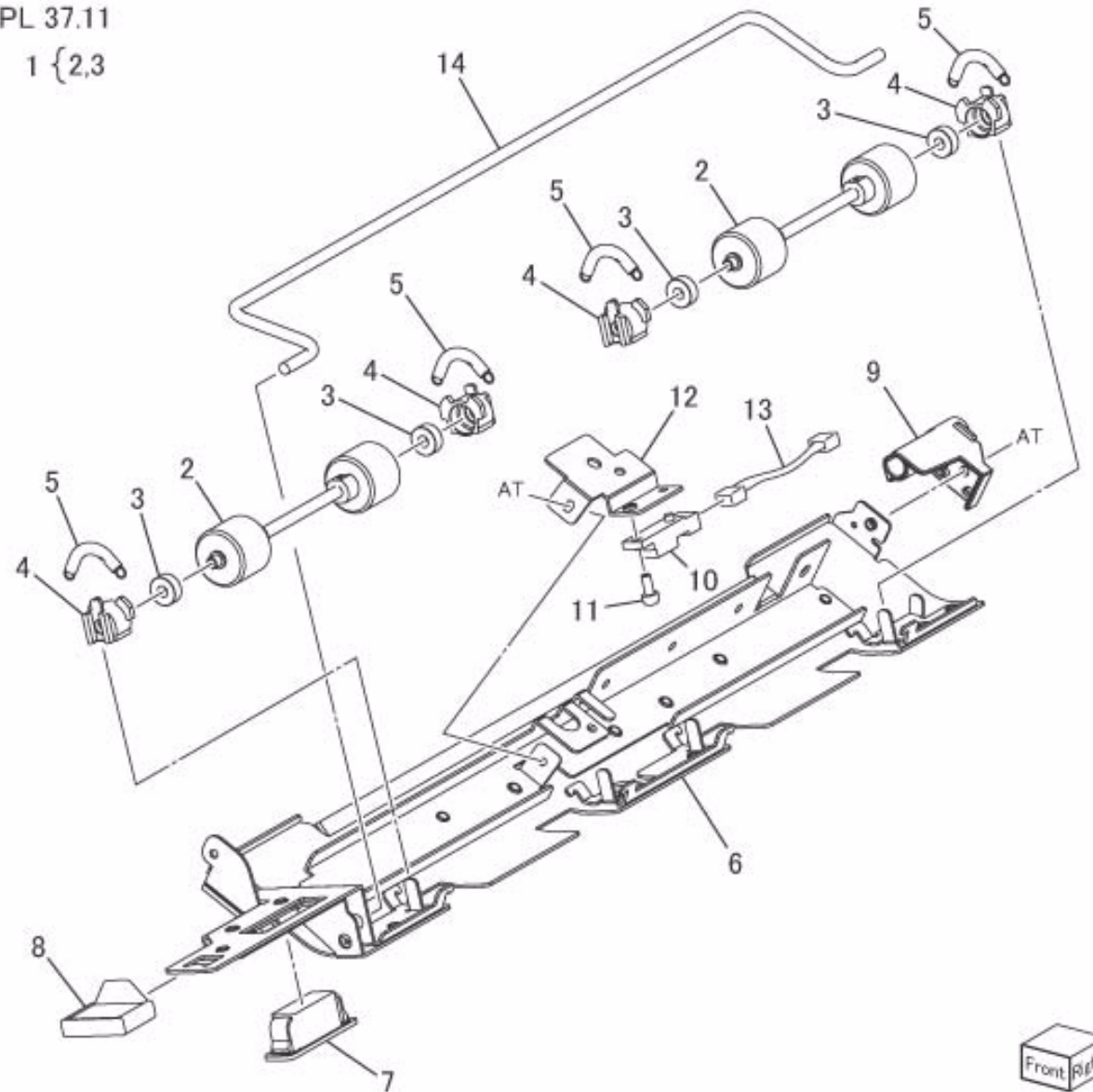
PL 37.10
1 {2,3



PL 37.11 Guide Assembly-Exit Up

Item	Parts No	Description	A.C.
1	059K 57700	Pinch Roll Assembly (Item 2,3)64P1	
2	-	Pinch Roll (P/O Item 1)	64P2
3	-	Bearing (P/O Item 1)	64P3
4	-	Collar	64P4
5	809E 79160	Spring	64P5
6	-	Guide Assembly	64P6
7	121E 21830	Magnet	64P7
8	-	Knob	64P8
9	-	Bracket	64P9
10	930W 00211	IFM Exit Sensor	64PB
11	-	Screw	64PC
12	-	Bracket	64PD
13	962K 65430	Wire Harness	64PE
14	-	Torsion Bar	64PF

PL 37.11
1 {2,3}



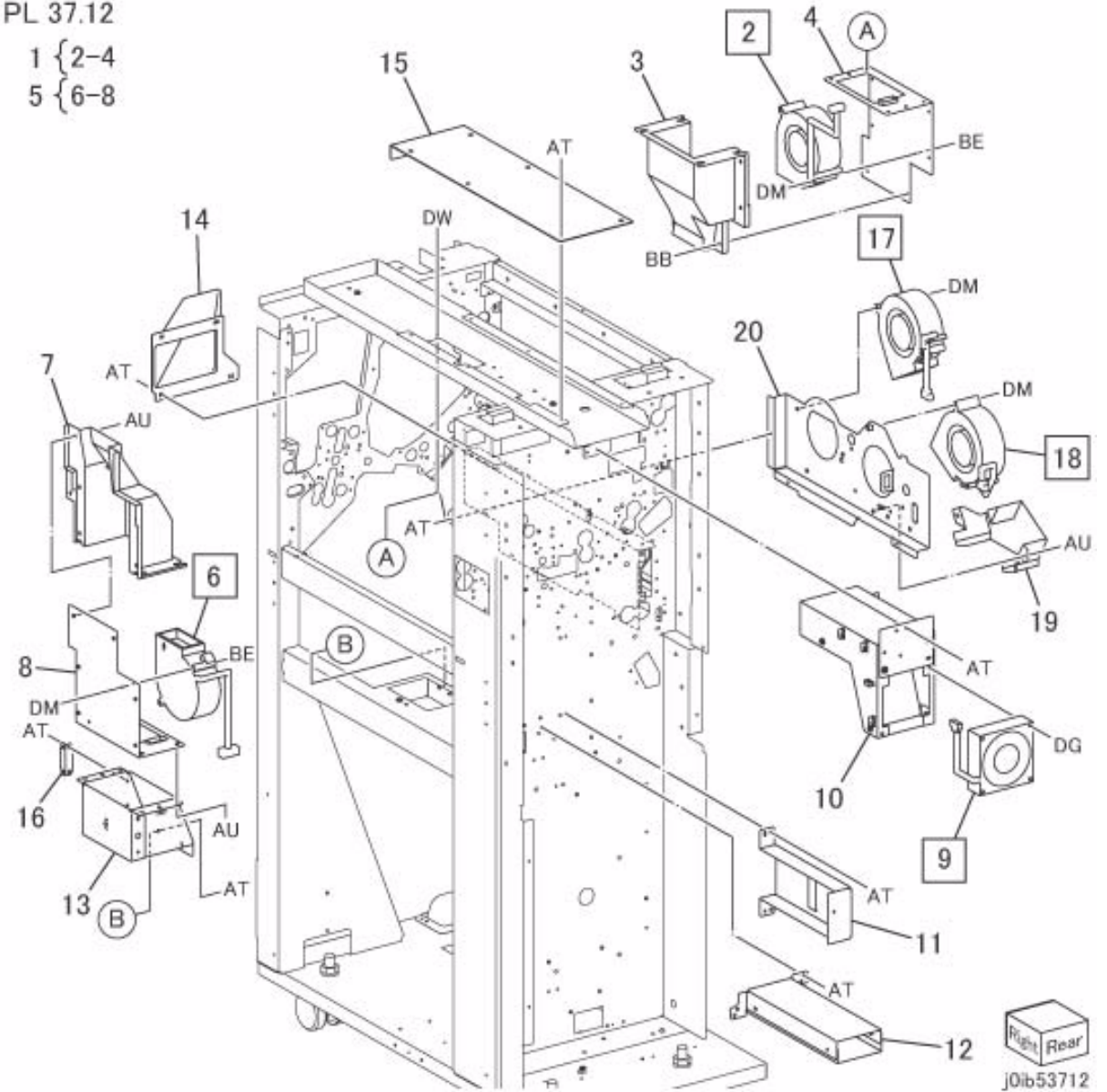
Front Right
j0ib53711

PL 37.12 Fan

Item	Parts No	Description	A.C.
1	127K 58070	Fan 2 Assembly (Item 2-4)	64Q1
2	127E 85610	(SCC) Fan (REP 99.1.1)	64Q2
3	-	Fan Duct (P/O Item 1)	64Q3
4	-	Plate (P/O Item 1)	64Q4
5	127K 58070	Fan 1 Assembly (Item 6-8)	64Q5
6	127E 85610	(SCC) Fan (REP 99.1.1)	64Q6
7	-	Fan Duct (P/O Item 5)	64Q7
8	-	Plate (P/O Item 5)	64Q8
9	927W 00335	(SCC) Fan 5 (REP 99.1.1)	64Q8
10	-	Fan Duct	64QB
11	-	Bracket	64QC
12	-	Lower Duct	64QD
13	068K 61310	Lower Duct Bracket	64QE
14	-	Exhaust Duct	64QF
15	-	Top Duct	64QG
16	-	Magnet	64QH
17	127E 85610	(SCC) Fan 4 (REP 99.1.1)	64QJ
18	127E 85610	(SCC) Fan 3 (REP 99.1.1)	64QK
19	054E 39060	Duct	64QL
20	-	Plate	64QM

PL 37.12

1 { 2-4
5 { 6-8

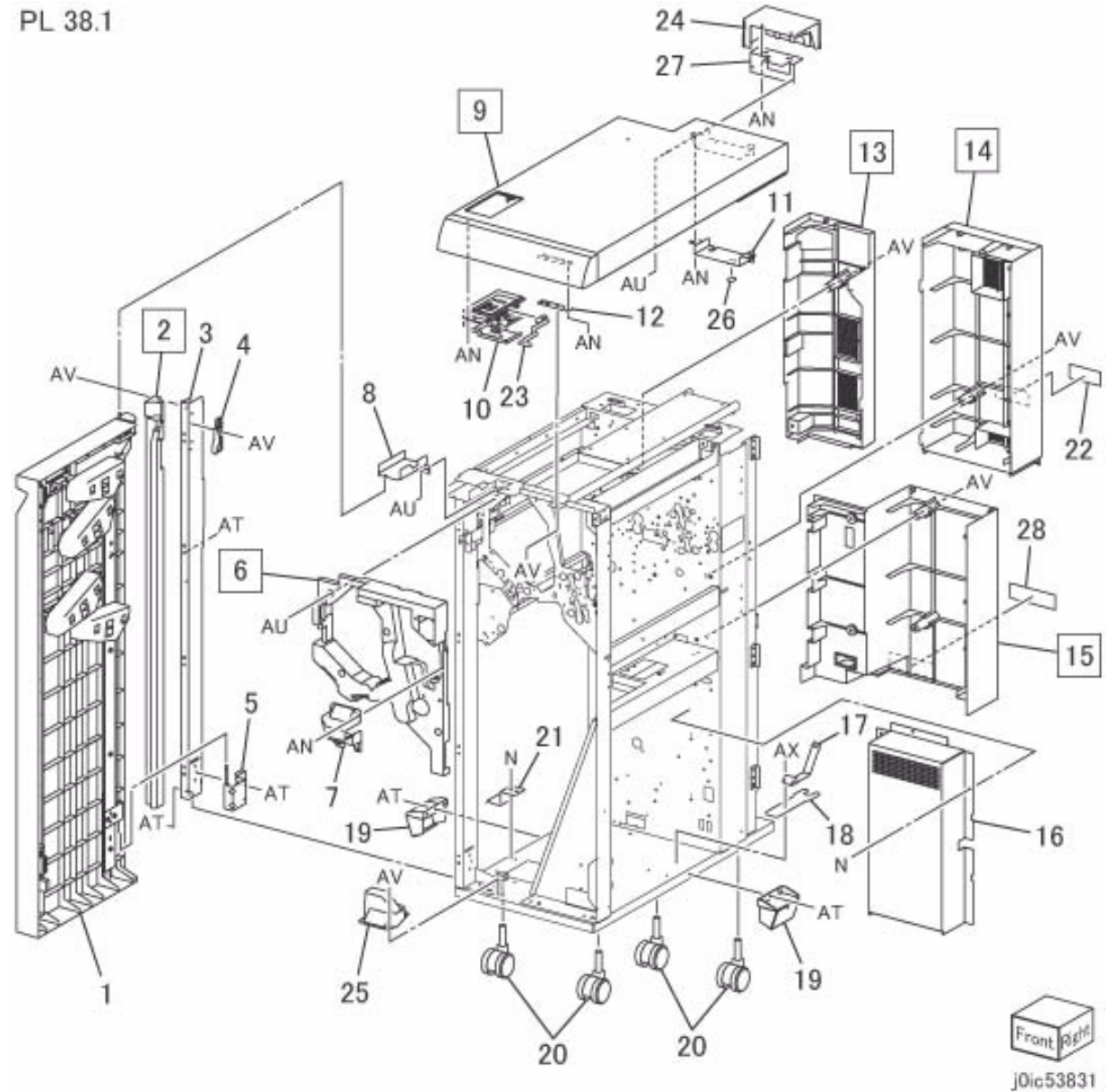


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PL 38.1 ICM Cover

Item	Parts No	Description	A.C.
1	848K 20380	Front Door Assembly (with Item 5)65B1	
2	848E 25800	(SCC) Front Cover (REP 99.1.1)65B2	
3	-	Front Angle Frame	65B3
4	032E 31370	Guard Finger	65B4
5	-	Lower Hinge (P/O Item 1)65B5	
6	848K 23160	Inner Cover (REP 38.1.2)65B6	
7	848E 28020	Lever Cover	65B7
8	-	Upper Hinge	65B8
9	848E 25780	(SCC) Top Cover (REP 99.1.1)65B9	
10	848K 08420	ICM Control Panel SW/LED (with Item 23)65BB	
11	-	Bracket	65BC
12	-	Plate	65BD
13	-	(SCC) Rear Left Cover (REP 99.1.1)65BE	
14	848E 15850	(SCC) Rear Right Cover(REP 99.1.1)65BF	
15	848E 25810	(SCC) Rear Lower Cover (REP 99.1.1)65BG	
16	-	LVPS Cover	65BH
17	-	Spanner	65BJ
18	-	Spanner	65BK
19	868E 17360	Bracket	65BL
20	-	Caster	65BM
21	815E 41040	Shield Plate	65BN
22	-	Data Plate	65BP
23	962K 65440	Wire Harness	65BQ
24	-	Blind Cover	65BR
25	-	Frame Cover	65BS
26	-	Gasket	65BT
27	-	Bracket	65BV
28	-	Earth Label	65BW

PL 38.1

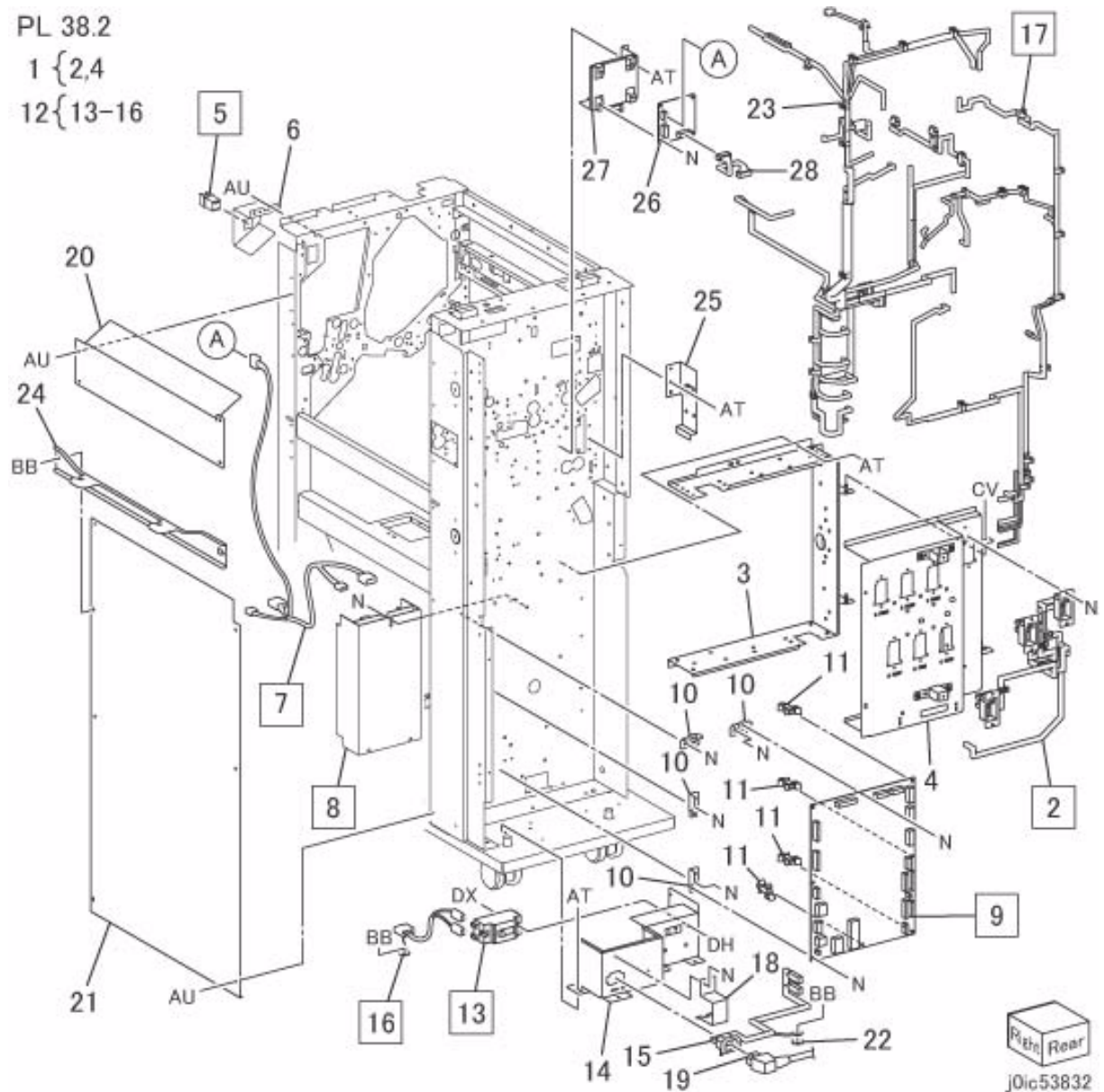


PL 38.2 LVPS / Breaker

Item	Parts No	Description	A.C.
1	848K 08311	IOT-ICM PWB Communication (Item 2,4)65C1	
2	962K 65420	(SCC) CDI Harness Assembly(REP 99.1.1)65C2	
3	-	Bracket	65C3
4	-	Cover (P/O Item 1)	65C4
5	110E 97990	ICM Front Door Interlock Switch (REP 38.2.1)65C5	
6	-	Bracket	65C6
7	962K 65450	(SCC) Wire Harness(REP 99.1.1)65C7	
8	105E 15191	(SCC) ICM LVPS (REP 99.1.1)65C8	
9	960K 49711	(SCC) ICM PWB (REP 38.2.2, REP 99.1.1)65C9	
10	-	PWB Bracket	65CB
11	-	PWB Support	65CC
12	068K 56630	Inlet Bracket Assembly (Item 13-16)65CD	
13	908W 00917	(SCC) Breaker (REP 99.1.1)65CE	
14	-	Bracket (P/O Item 12)	65CF
15	-	Inlet Socket (P/O Item 12)65CG	
16	962K 65410	(SCC) AC LVPS Harness (REP 99.1.1)65CH	
17	962K 71090	(SCC) Wire Harness(REP 99.1.1)65CJ	
18	-	Cover	65CK
19	-	Power Cord	65CL
20	-	Right Upper Cover	65CM
21	-	Right Lower Cover	65CN
22	-	Washer	65CP
23	-	Main Motor Wire Harness65CQ	
24	015K 78590	Docking Plate Assembly	65CR
25	-	Bracket	65CS
26	960K 73301	Fan PWB	65CT
27	-	PWB Bracket	65CV
28	-	Fan Wire Harness	65CW

PL 38.2

1 { 2,4
12 { 13-16

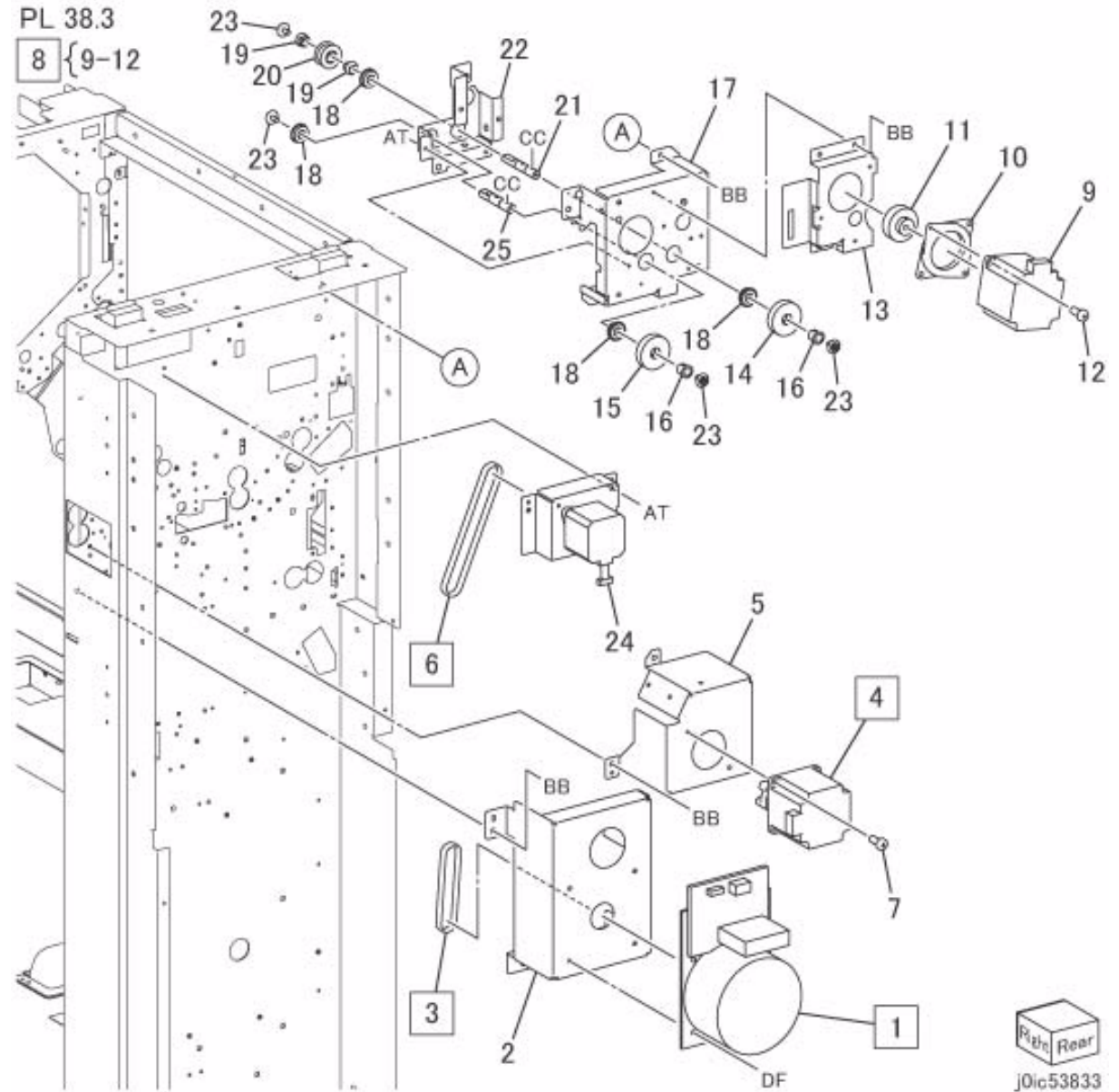


Right Rear

J0ic53832

PL 38.3 ICM Drive

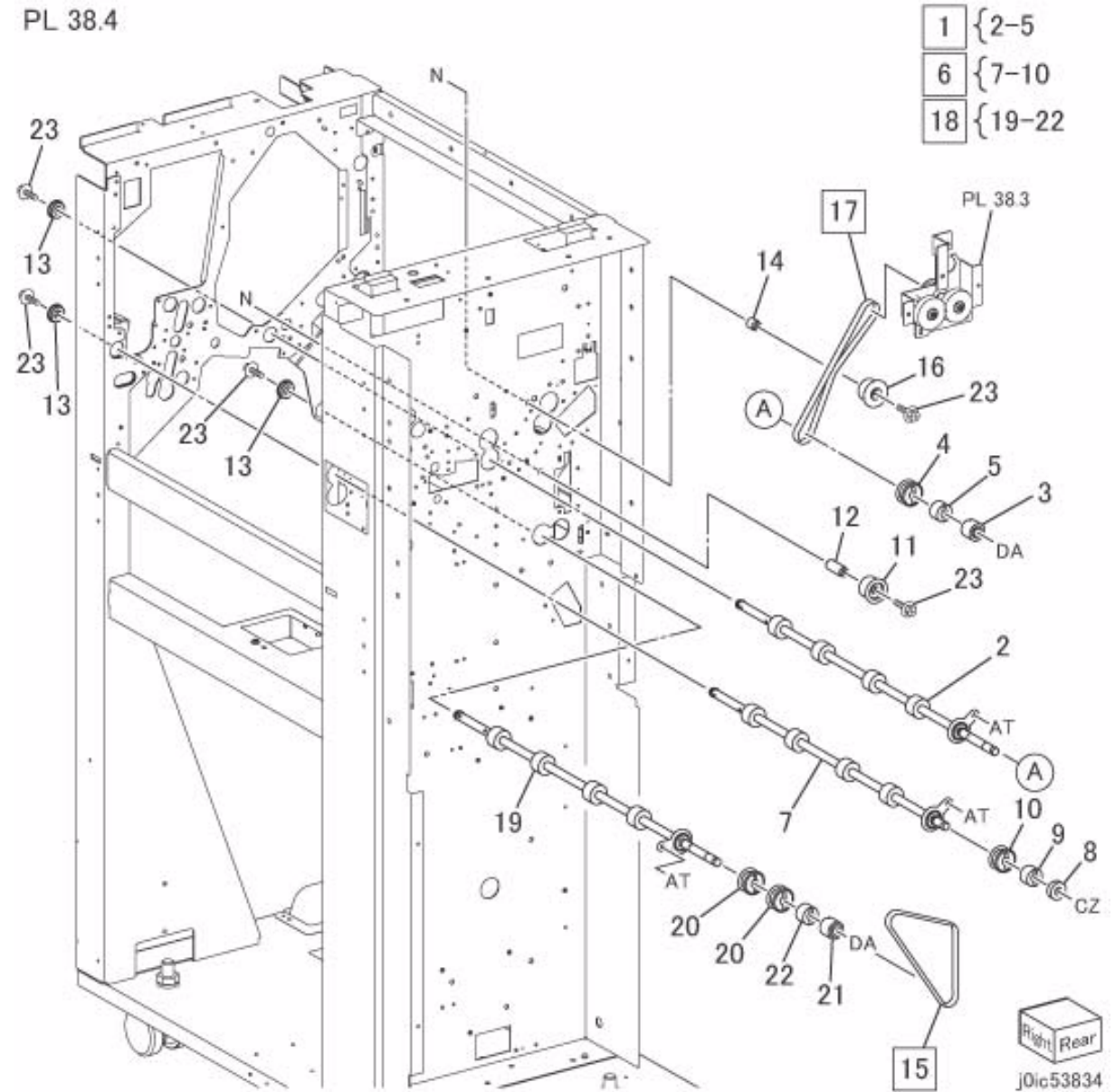
Item	Parts No	Description	A.C.
1	127K 58161	(SCC) Decurler Belt Motor (REP 99.1.1)65D1	
2	-	Bracket	65D2
3	023E 27130	Deculer Motor Belt (REP 38.3.1)65D3	
4	127K 56860	(SCC) Decurler Cam Motor (REP 99.1.1)65D4	
5	-	Bracket	65D5
6	023E 27260	Exit Motor Belt (REP 38.3.2)65D6	
7	-	Screw	65D7
8	127K 56870	(SCC) ICM Transport Motor Assembly (Item 9-12)(REP 99.1.1)65D8	
9	-	ICM Transport Motor (P/O Item 8)65D9	
10	-	Damper (P/O Item 8)	65DB
11	-	Gear (P/O Item 8)	65DC
12	-	Screw (P/O Item 8)	65DD
13	-	Bracket	65DE
14	807E 21520	Gear	65DF
15	807E 21530	Gear	65DG
16	005E 25350	Collar	65DH
17	-	Bracket	65DJ
18	013E 34440	Bearing	65DK
19	005E 25280	Spacer	65DL
20	020E 45420	Pulley	65DM
21	006K 87440	Shaft	65DN
22	-	Bracket	65DP
23	826E 38620	Screw	65DQ
24	127K 58810	Exit Motor Assembly	65DR
25	-	Shaft	65DS



PL 38.4 Trans Roll

Item	Parts No	Description	A.C.
1	059K 61170	Trans Roll Assembly (Upper) (Item 2-5)(REP 38.4.1) 65F1	
2	059K 57730	Trans Roll	65F2
3	005K 08860	Flange	65F3
4	020K 15760	Pulley	65F4
5	005K 09120	Torque Limiter Clutch	65F5
6	059K 57570	Exit Roll Assembly (Item 7-10)(REP 38.4.3)65F6	
7	059K 57740	Exit Roll	65F7
8	005E 26360	Collar	65F8
9	005K 09120	Torque Limiter Clutch	65F9
10	020K 15760	Pulley	65FB
11	020K 15730	Pulley	65FC
12	-	Stud	65FD
13	013E 34300	Bearing	65FE
14	826E 31970	Stud	65FF
15	023E 27240	Entrance Belt (REP 38.4.4)65FG	
16	020K 15780	Pulley	65FH
17	023E 27250	Feed Belt (REP 38.4.5) 65FJ	
18	059K 60660	Trans Roll Assembly (Lower) (Item 19-22)(REP 38.4.2)65FK	
19	059K 57730	Trans Roll	65FL
20	020K 15760	Pulley	65FM
21	005K 08860	Flange	65FN
22	005K 09120	Torque Limiter Clutch	65FP
23	826E 38620	Screw	65FQ
-	-	-	-

PL 38.4



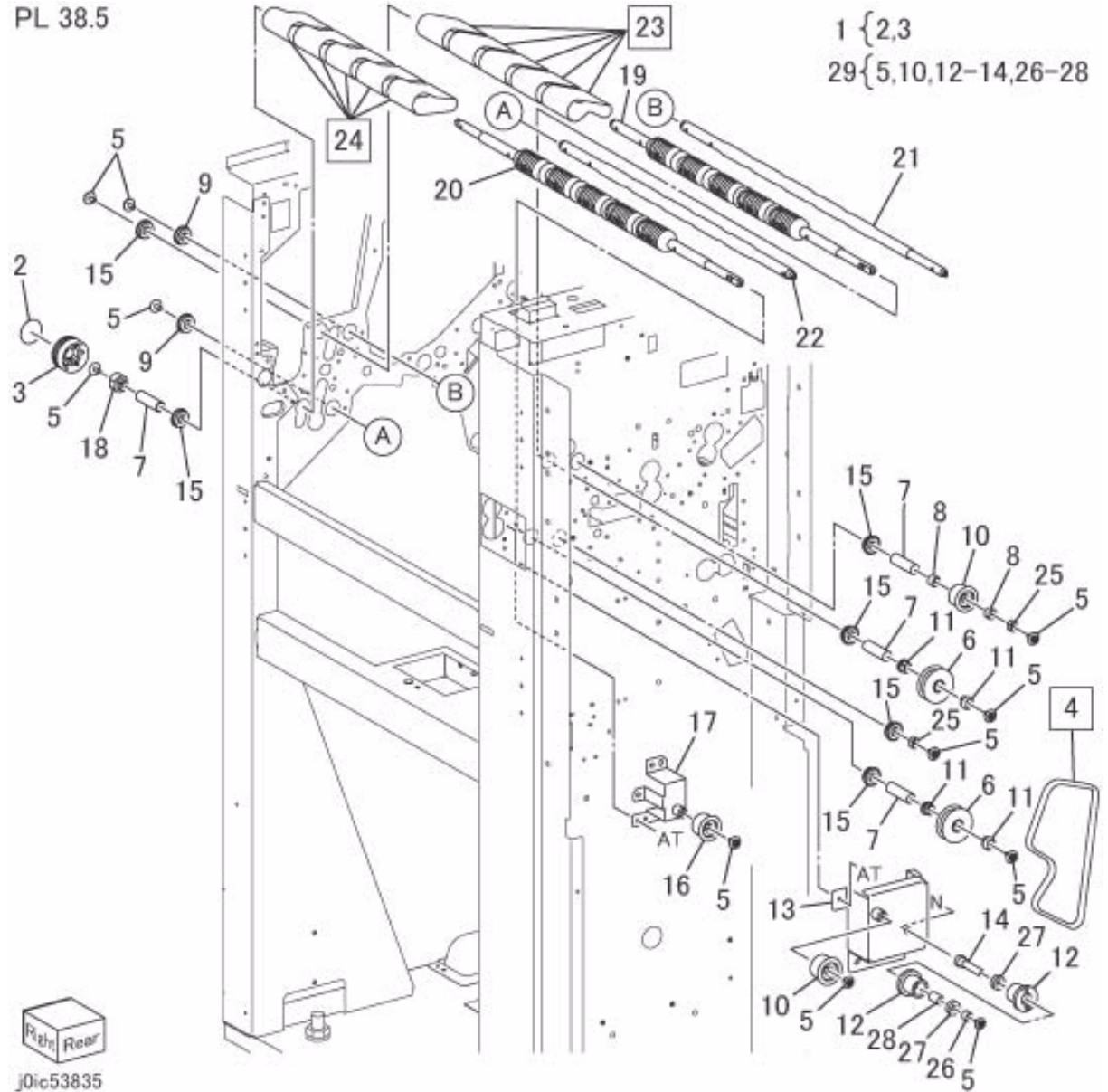
- 1 {2-5
- 6 {7-10
- 18 {19-22

Right Rear
j0ic53834

PL 38.5 Decurler Drive Belt

Item	Parts No	Description	A.C.
1	003K 86660	Knob Assembly (Item 2,3)	65G1
2	-	Label (P/O Item 1)	65G2
3	-	Knob (P/O Item 1)	65G3
4	023E 26910	Decurler Drive Belt (REP 38.5.2)	65G4
5	826E 38620	Screw	65G5
6	020E 45380	Pulley	65G6
7	005E 25202	Collar	65G7
8	005E 25270	Collar	65G8
9	013E 34300	Bearing	65G9
10	020K 15730	Pulley	65GB
11	005E 25280	Spacer	65GC
12	020K 17300	Pulley	65GD
13	-	Bracket (P/O Item 29)	65GE
14	-	Shaft (P/O Item 29)	65GF
15	013E 34440	Bearing	65GG
16	020K 15730	Pulley	65GH
17	-	Bracket	65GJ
18	-	Spacer	65GK
19	059K 55190	Upper Decurler Belt Roll	65GL
20	059K 55200	Lower Decurler Belt Roll	65GM
21	059E 03782	Upper Idle Roll	65GN
22	059E 03792	Lower Idle Roll	65GP
23	023E 27930	Decurler Belt Upper (REP 38.5.1)	65GQ
24	023E 27930	Decurler Belt Lower (REP 38.5.1)	65GR
25	005E 25221	Collar	65GS
26	005E 31330	Collar	65GT
27	013E 34290	Bearing	65GV
28	005E 25180	Collar	65GW
29	068K 56650	Tension Bracket Assembly (Item 5,10,12-14,26-28)	65GX

PL 38.5

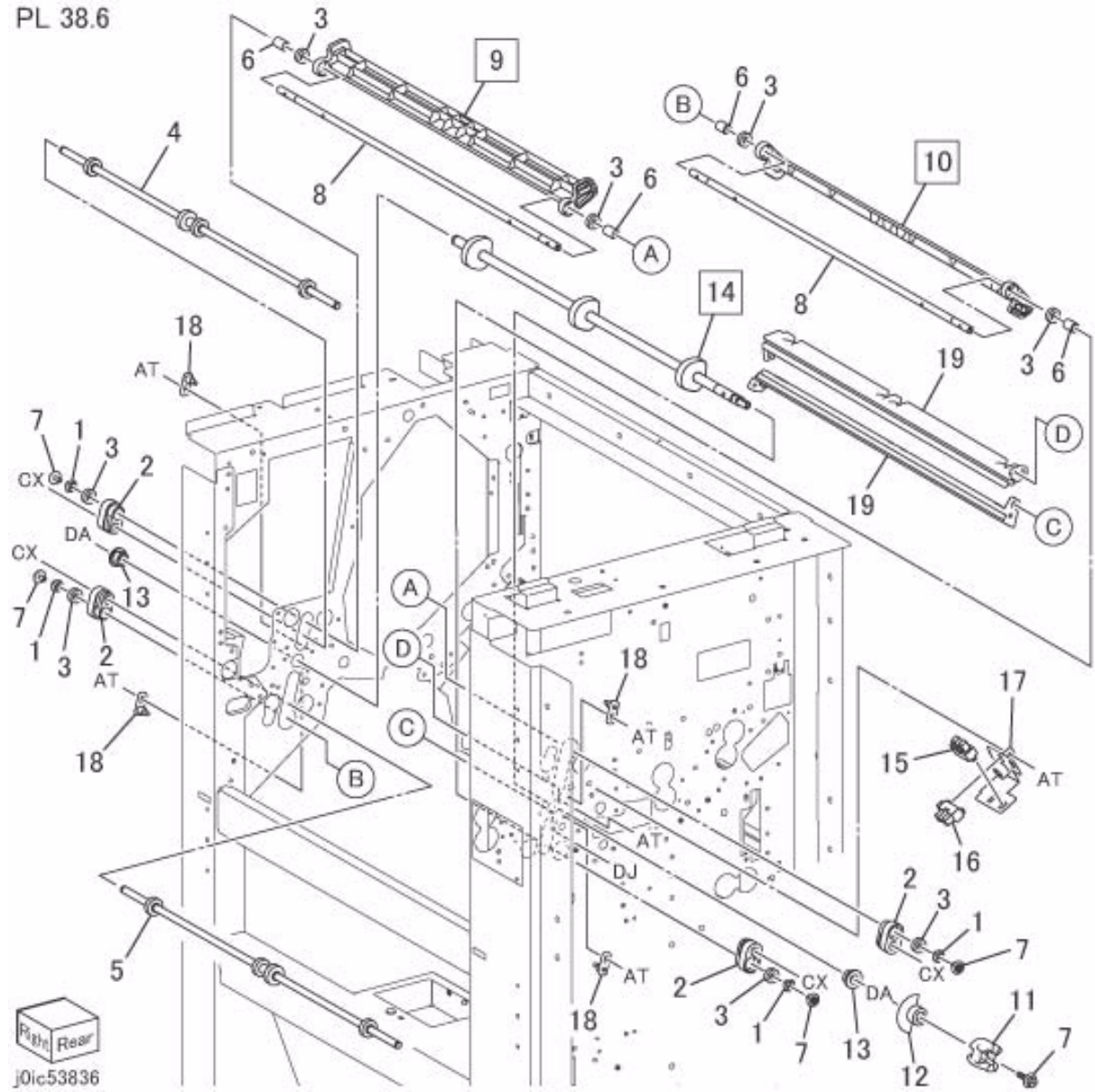


Right Rear
j0ic53835

PL 38.6 Inlet Chute

Item	Parts No	Description	A.C.
1	005E 25170	Collar	65J1
2	-	Block	65J2
3	013E 34290	Bearing	65J3
4	006K 89680	Shaft Assembly	65J4
5	006K 89680	Shaft Assembly	65J5
6	005E 25180	Collar	65J6
7	-	Screw	65J7
8	806E 22770	Shaft	65J8
9	054E 34860	Inlet Chute Upper (REP 38.6.1)65J9	
10	054E 34860	Inlet Chute Lower (REP 38.6.1)65JB	
11	005E 27410	Coupling Cam	65JC
12	120E 29780	Actuator	65JD
13	-	Bearing	65JE
14	006K 86520	Cam Shaft (REP 38.6.2) 65JF	
15	107E 08680	Decurler Cam Position Sensor 265JG	
16	107E 08680	Decurler Cam Position Sensor 165JH	
17	-	Bracket	65JJ
18	-	Pin	65JK
19	068K 56680	Decurler Bracket	65JL

PL 38.6



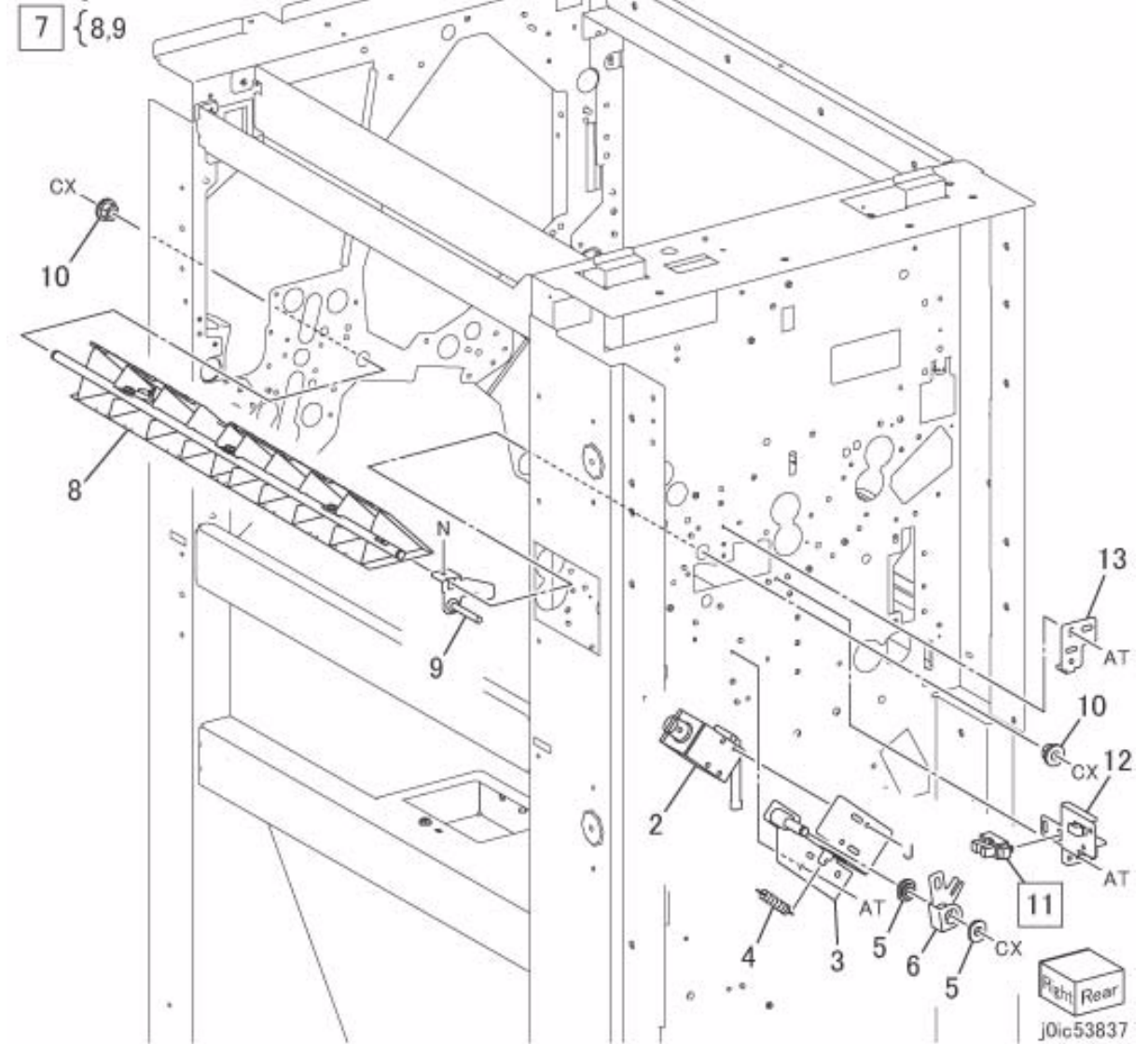
Push Rear
j0ic53836

PL 38.7 Gate Assembly

Item	Parts No	Description	A.C.
1	121K 42220	Decurler Gate Solenoid Assembly (Item 2-6)65K1	
2	121K 42720	Decurler Gate Solenoid	65K2
3	-	Bracket Assembly (P/O Item 1)65K3	
4	-	Spring (P/O Item 1)	65K4
5	-	Bearing (P/O Item 1)	65K5
6	-	Gate Lever (P/O Item 1)	65K6
7	050E 29430	Gate Assembly (Item 8,9)(REP 38.7.1)65K7	
8	-	Gate (P/O Item 7)	65K8
9	-	Link (P/O Item 7)	65K9
10	-	Bearing	65KB
11	107E 08680	Decurler Gate Sensor (REP 38.7.2)65KC	
12	-	Bracket	65KD
13	-	Guide	65KE

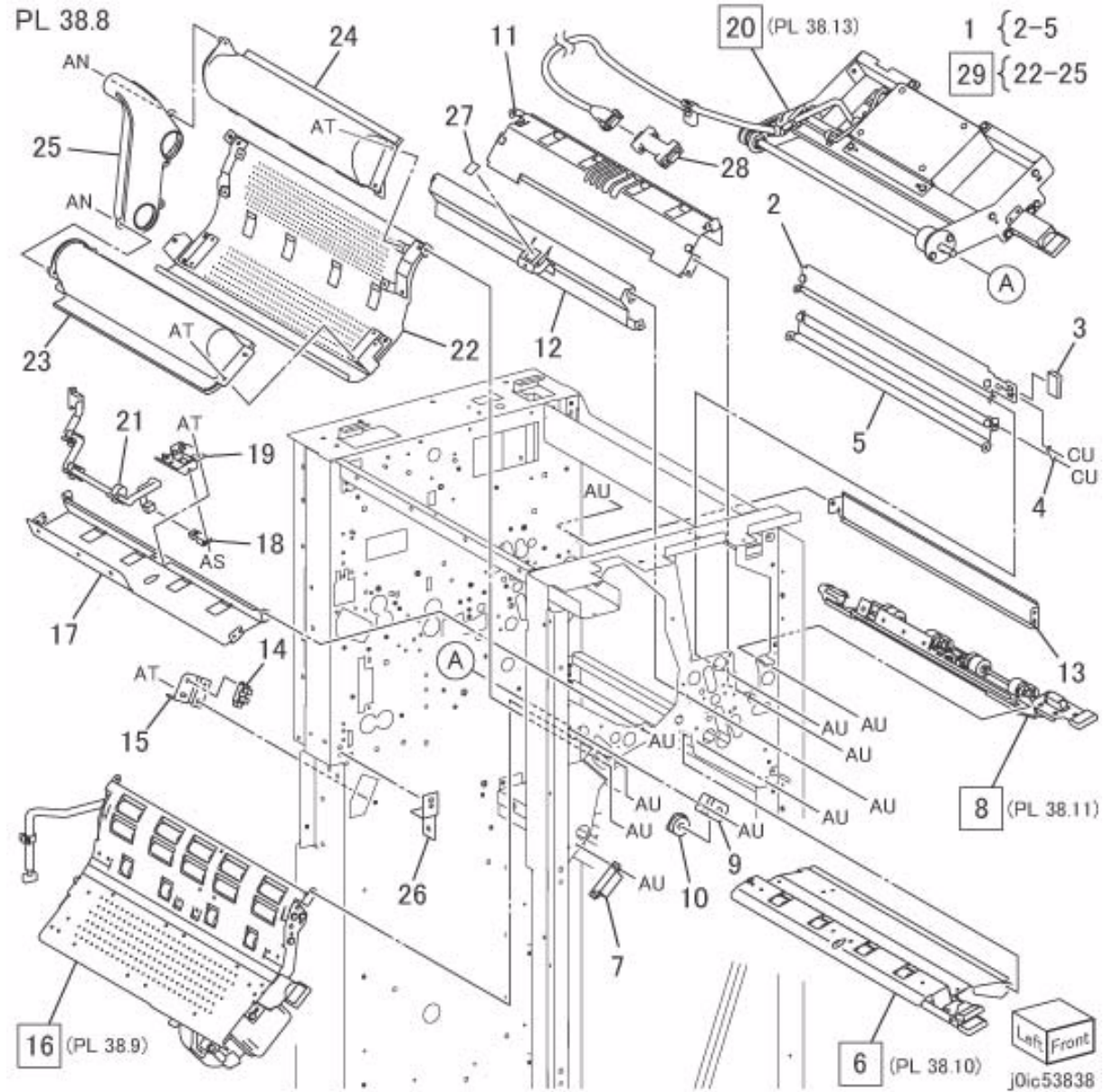
PL 38.7

1 {2-6
7 {8,9



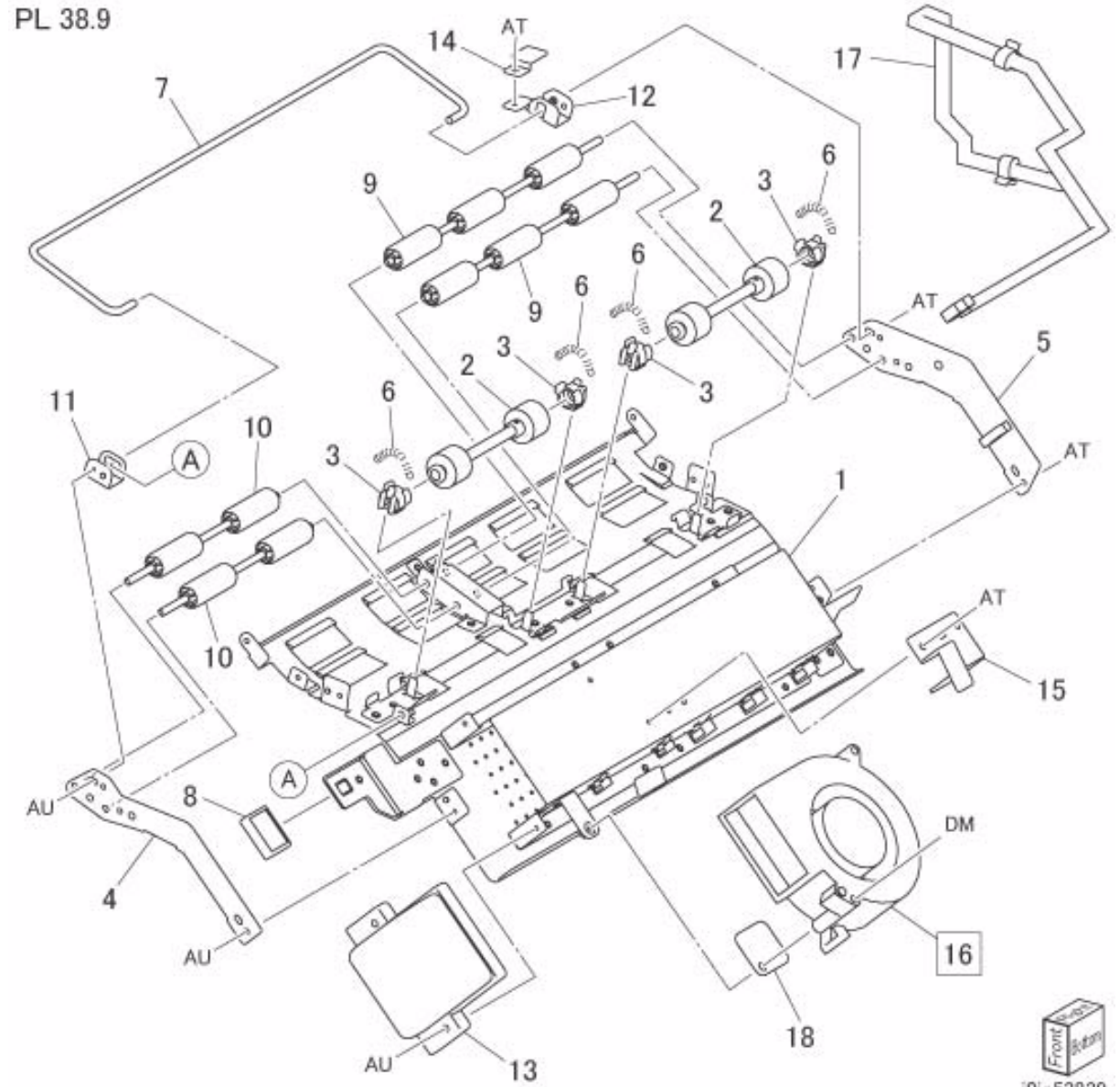
PL 38.8 Guide Assembly

Item	Parts No	Description	A.C.
1	038K 18181	Exit Guide Assembly (Item 2-5)65L1	
2	-	Guide (P/O Item 1)	65L2
3	-	Knob (P/O Item 1)	65L3
4	-	Plate (P/O Item 1)	65L4
5	-	Lower Exit Guide Assembly (P/O Item 1)65L5	
6	038K 18260	Guide Assembly-MID Low (PL 38.10) (REP 38.8.1) 65L6	
7	121E 20640	Magnet	65L7
8	038K 18240	Guide Assembly-Exit Up (PL 38.11) (REP 38.8.2) 65L8	
9	-	Stop Bracket	65L9
10	-	Bearing	65LB
11	038K 20860	Guide Assembly (with Eliminator)65LC	
12	-	Guide	65LD
13	038E 36590	Guide	65LE
14	107E 08680	Entrance Chute Open Sensor65LF	
15	-	Bracket	65LG
16	-	Guide Assembly Low-AMIATA (PL 38.9) (REP 38.8.3)65LH	
17	038K 19500	Guide Assembly	65LJ
18	930W 00211	Decurler In Sensor	65LK
19	868E 07540	Bracket	65LL
20	-	Guide Assembly-ILS (PL 38.13) (REP 38.8.4)65LM	
21	-	Sensor Wire Harness	65LN
22	-	Guide Upper-AMIATA (P/O Item 29)65LP	
23	-	Duct Assembly Up In (P/O Item 29)65LQ	
24	-	Duct Assembly Up Mid (P/O Item 29)65LR	
25	-	Duct Assembly V (P/O Item 29)65LS	
26	-	Seal	65LT
27	063E 12920	ILS Tile	65LV
28	-	Cable Adapter	65LW
29	038K 23980	Guide Upper-AMIATA (Item 22-25) (REP 38.8.5) 65LX	



PL 38.9 Guide Assembly Low-AMIATA

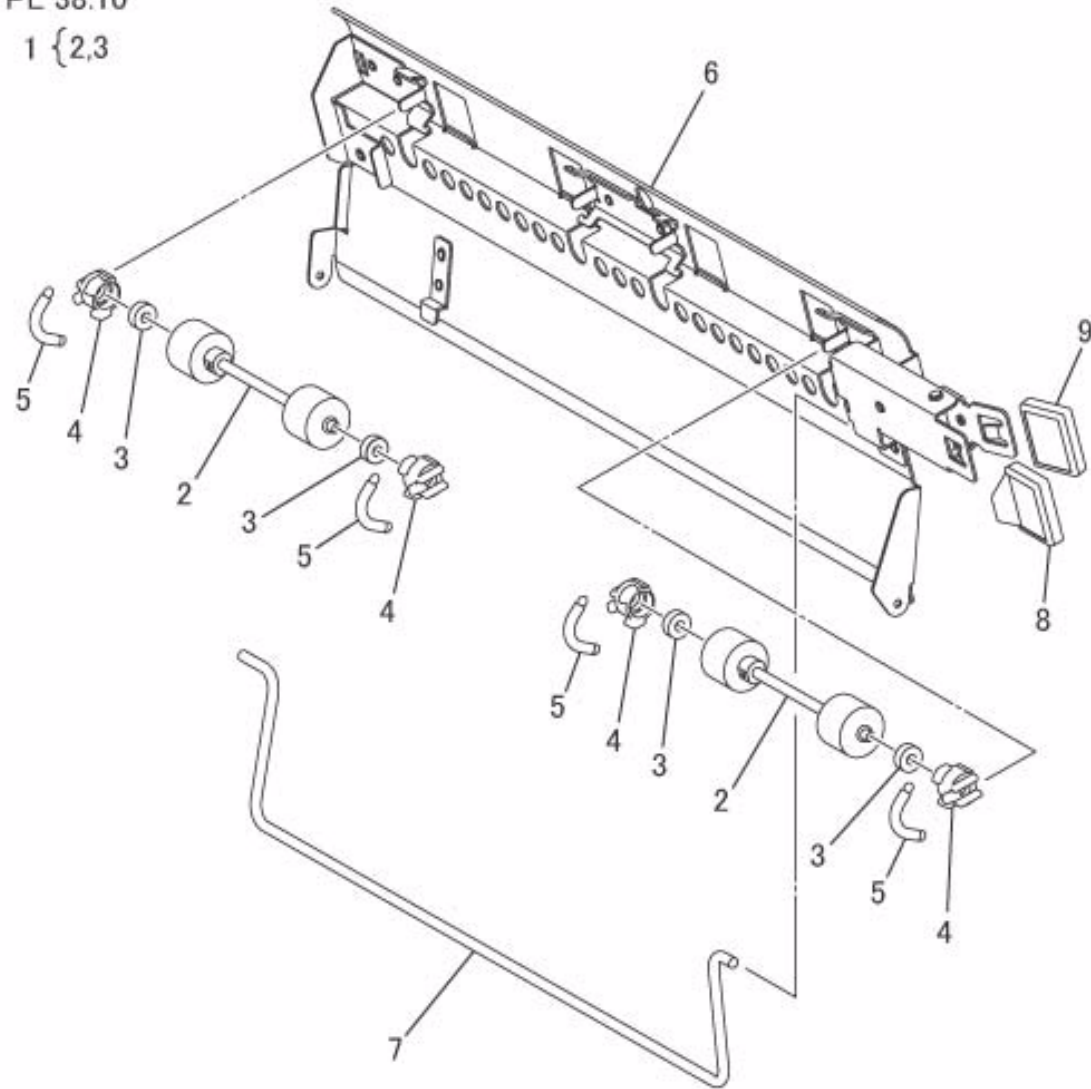
Item	Parts No	Description	A.C.
1	-	Guide	65M1
2	059K 57700	Pinch Roll	65M2
3	-	Collar	65M3
4	-	Bracket (Front)	65M4
5	-	Bracket (Rear)	65M5
6	809E 84600	Spring	65M6
7	-	Torsion Bar	65M7
8	-	Knob 1a	65M8
9	-	Roll (Long)	65M9
10	-	Roll (Short)	65MB
11	-	Bracket	65MC
12	-	Bracket	65MD
13	-	Duct	65ME
14	-	Plate	65MF
15	-	Bracket	65MG
16	127E 85610	(SCC) Fan 3 (REP 99.1.1)65MH	65MH
17	-	Wire Harness	65MJ
18	-	Seal	65MK



PL 38.10 Guide Assembly-MID Low

Item	Parts No	Description	A.C.
1	059K 57700	Pinch Roll Assembly (Item 2,3)65N1	
2	-	Pinch Roll (P/O Item 1)	65N2
3	-	Bearing (P/O Item 1)	65N3
4	-	Collar	65N4
5	809E 79160	Spring	65N5
6	-	Guide Assembly	65N6
7	-	Torsion Bar	65N7
8	-	Knob	65N8
9	011K 98970	Knob 2b	65N9

PL 38.10
1 {2,3

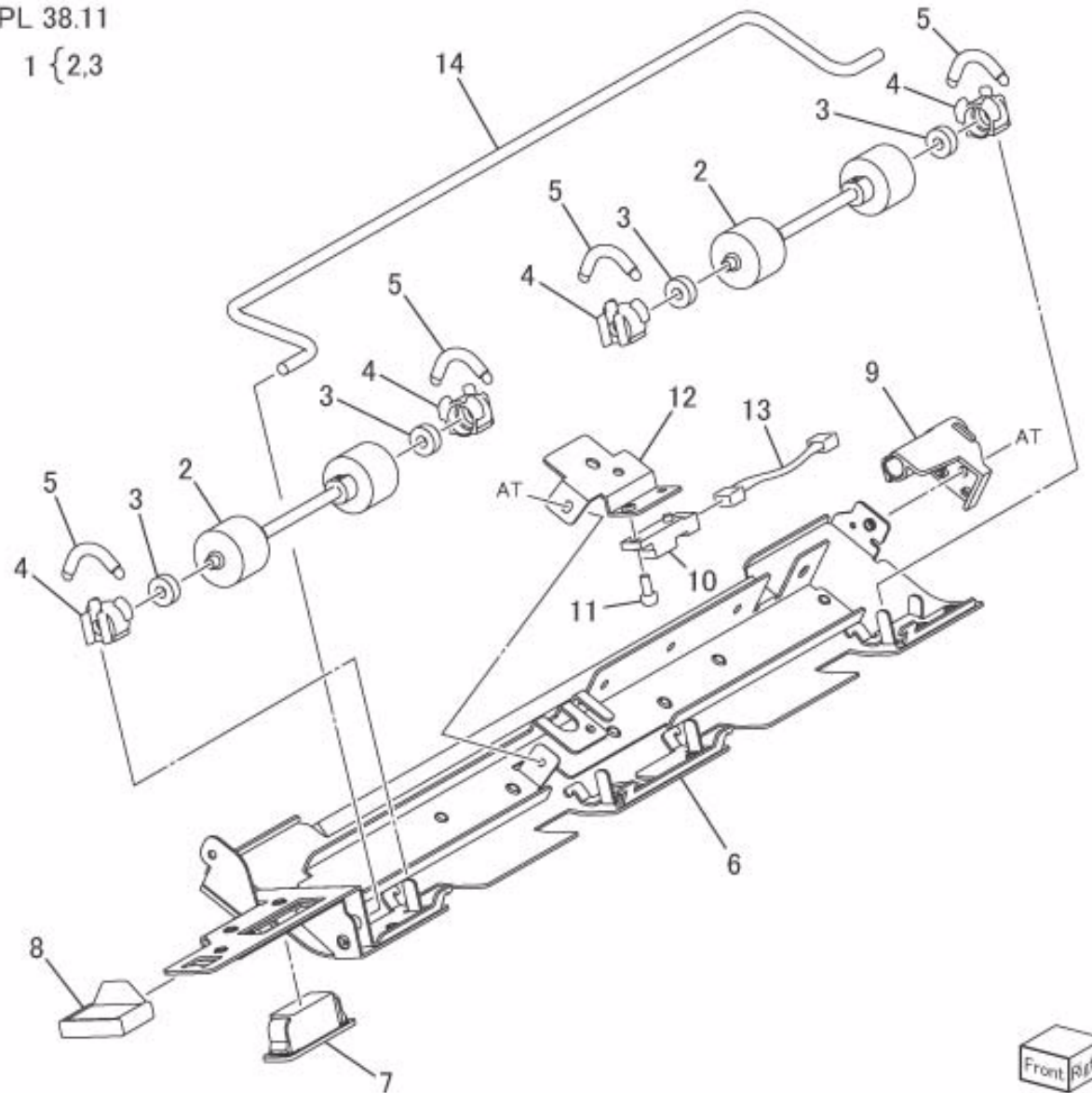


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PL 38.11 Guide Assembly-Exit Up

Item	Parts No	Description	A.C.
1	059K 57700	Pinch Roll Assembly (Item 2,3)	65P1
2	-	Pinch Roll (P/O Item 1)	65P2
3	-	Bearing (P/O Item 1)	65P3
4	-	Collar	65P4
5	809E 79160	Spring	65P5
6	-	Guide Assembly	65P6
7	121E 21830	Magnet	65P7
8	-	Knob	65P8
9	-	Bracket	65P9
10	930W 00211	ICM Exit Sensor	65PB
11	-	Screw	65PC
12	-	Bracket	65PD
13	962K 65430	Wire Harness	65PE
14	-	Torsion Bar	65PF

PL 38.11
1 {2,3}



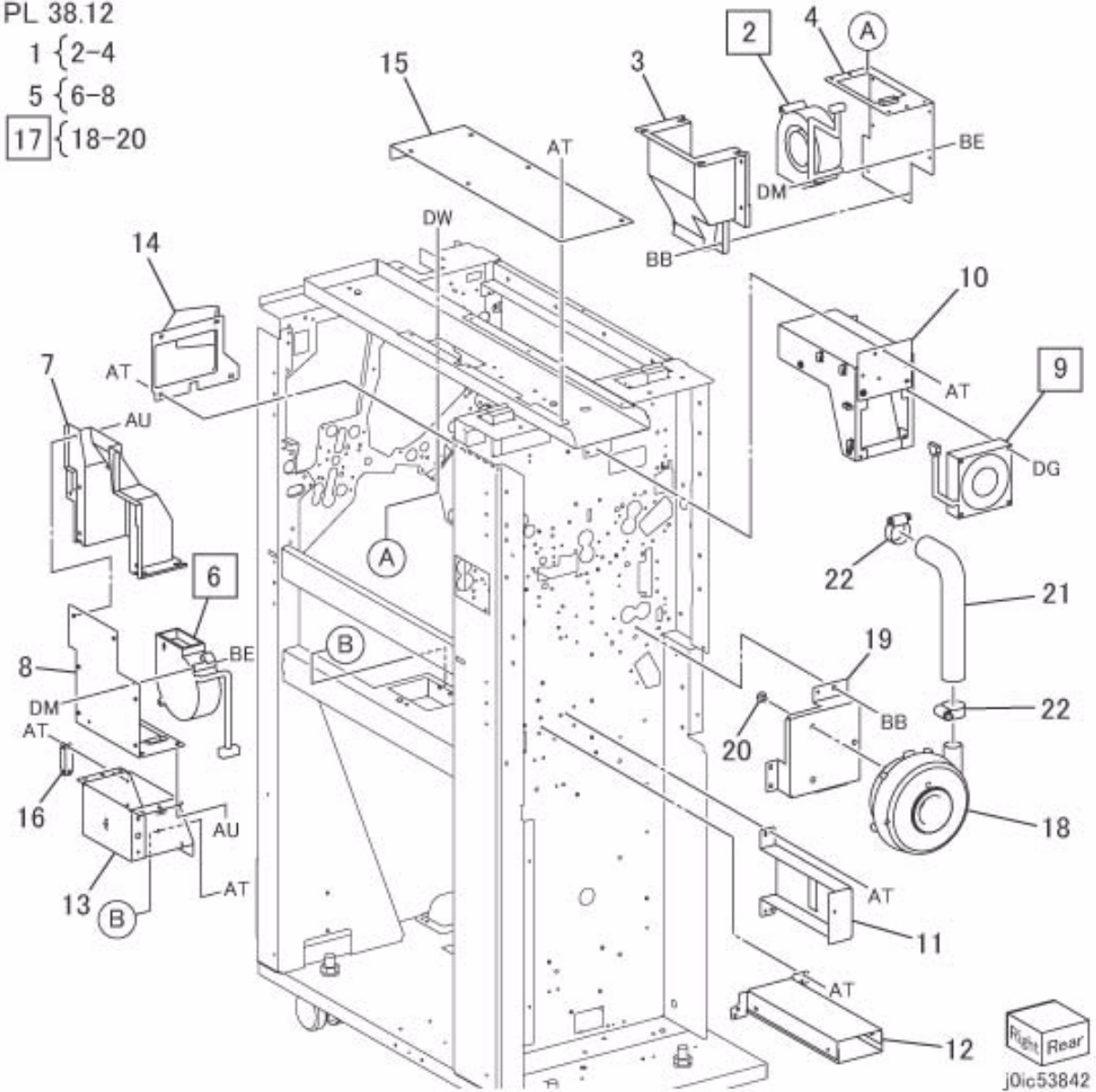
Front Right
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PL 38.12 Fan

Item	Parts No	Description	A.C.
1	127K 66590	Fan 2 Assembly (Item 2-4)65Q1	
2	127E 85610	(SCC) Fan (REP 99.1.1) 65Q2	
3	-	Fan Duct (P/O Item 1) 65Q3	
4	-	Plate (P/O Item 1) 65Q4	
5	127K 58070	Fan 1 Assembly (Item 6-8)65Q5	
6	127E 85610	(SCC) Fan (REP 99.1.1) 65Q6	
7	054E 52640	Fan Duct 65Q7	
8	815E 92120	Plate 65Q8	
9	927W 00335	(SCC) Fan 5 (REP 99.1.1)65Q9	
10	-	Fan Duct 65QB	
11	-	Bracket 65QC	
12	-	Lower Duct 65QD	
13	068K 61310	Lower Duct Bracket 65QE	
14	-	Exhaust Duct 65QF	
15	-	Top Duct 65QG	
16	-	Magnet 65QH	
17	-	Fan 4 (Item 18-20) (REP 38.12.1)65QJ	
18	127K 66480	Fan 4 65QK	
19	-	Bracket 65QL	
20	-	Screw 65QM	
21	-	Duct 65QN	
22	-	Clamp 65QP	

PL 38.12

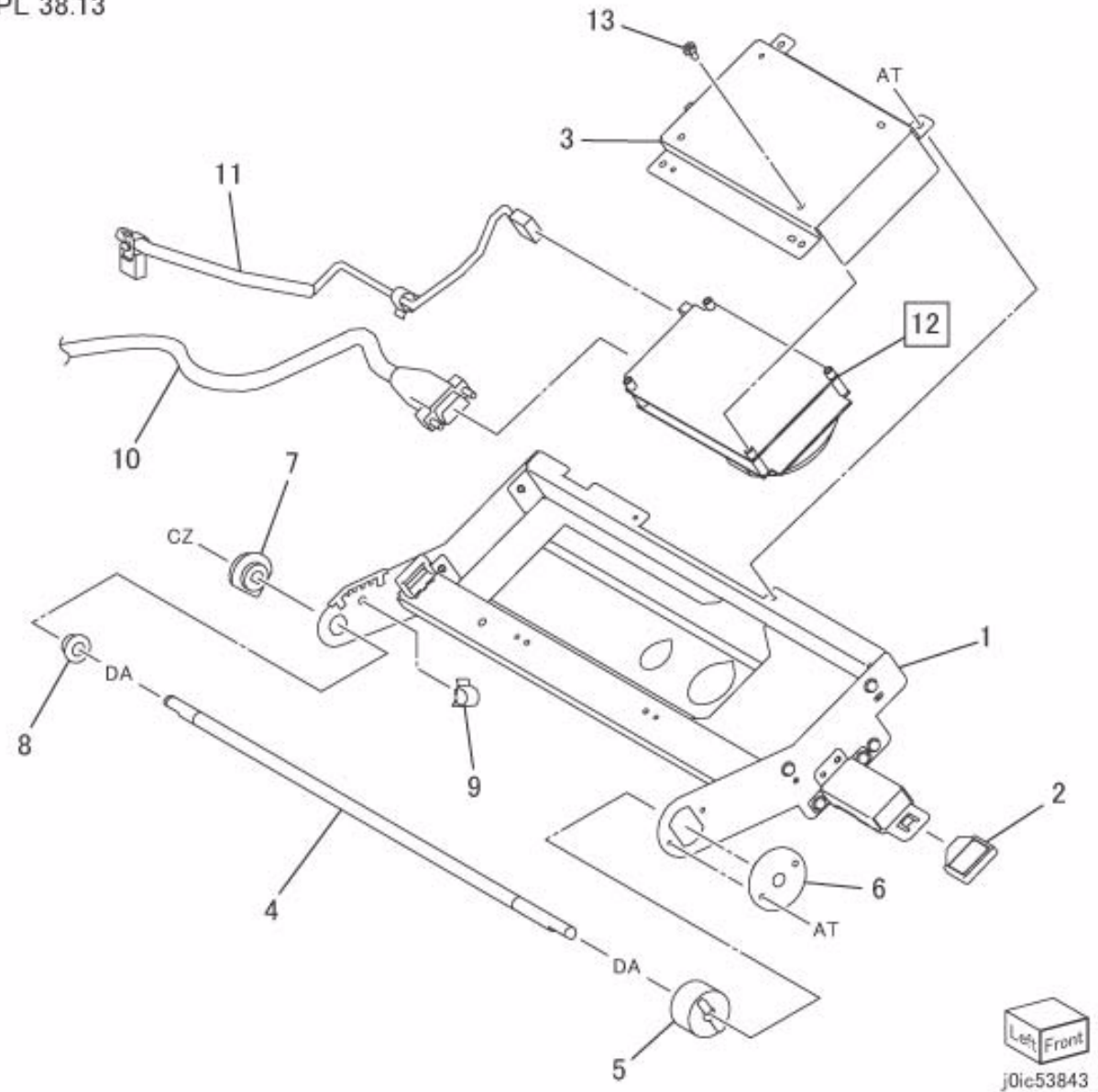
- 1 { 2-4
- 5 { 6-8
- 17 { 18-20



PL 38.13 Guide Assembly-ILS

Item	Parts No	Description	A.C.
1	-	ILS Guide Assembly	65R1
2	011K 98980	Knob 2a	65R2
3	-	Bracket	65R3
4	-	Shaft	65R4
5	-	One Way Clutch	65R5
6	-	Coupling	65R6
7	-	Bearing	65R7
8	-	Bearing	65R8
9	-	Cableband Push Tie	65R9
10	-	ILS Cable	65RB
11	-	Wire Harness	65RC
12	930K 01900	ILS (Inline Sensor) (REP 38.13.1)65RD	
13	-	Screw	65RE

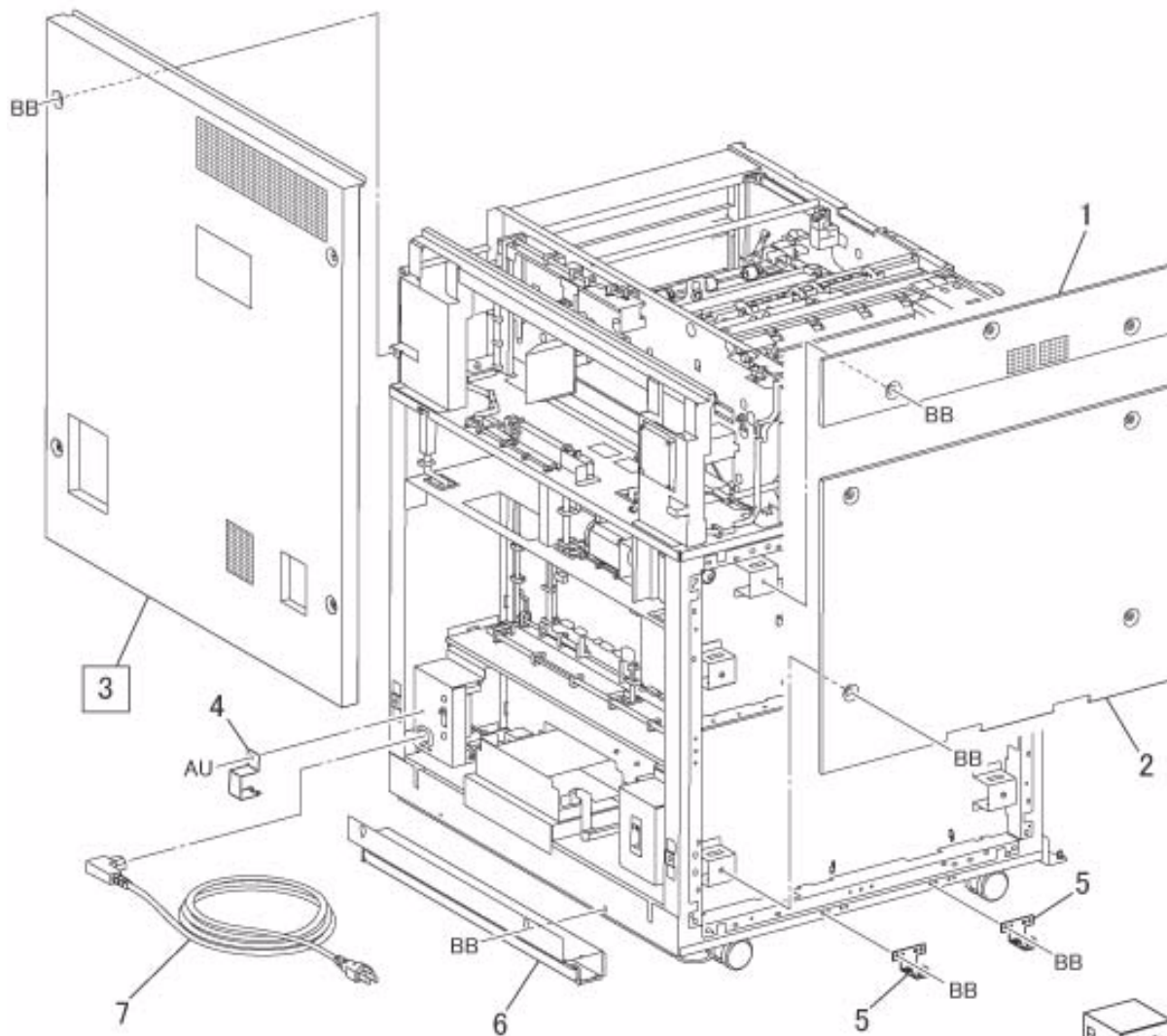
PL 38.13



PL 39.1 Left / Rear Cover

Item	Parts No	Description	A.C.
1	-	Left Upper Cover	67B1
2	-	Left Lower Cover	67B2
3	-	Rear Cover (REP 39.1.2)	67B3
4	-	Inlet Bracket	67B4
5	068K 58000	EME Plate	67B5
6	-	Duct	67B6
7	-	Power Cord	67B7

PL 39.1

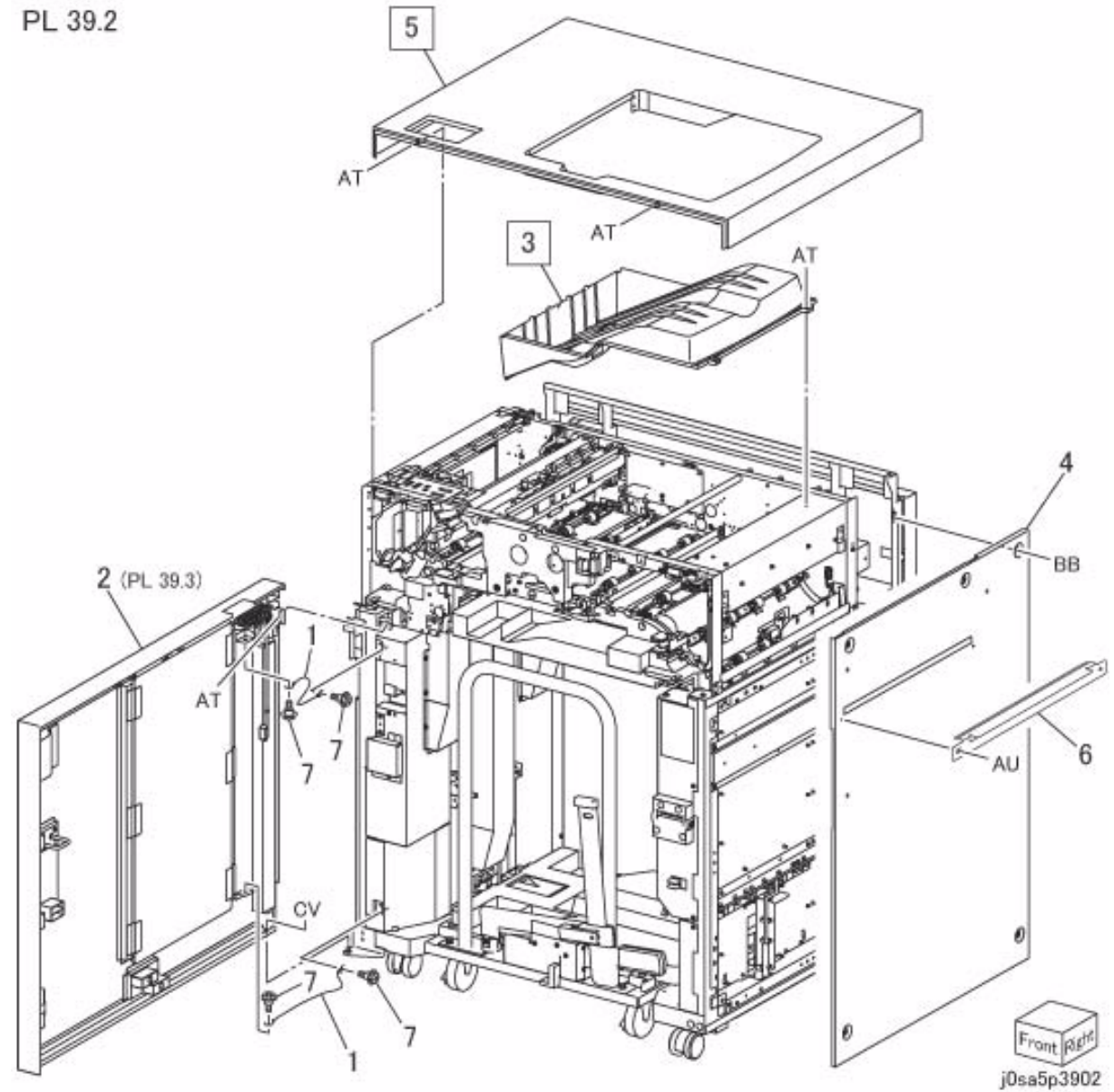


Rear Left
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PL 39.2 Top / Front / Right Cover

Item	Parts No	Description	A.C.
1	803E 01160	Stopper Wire	67C1
2	848K 08612	Front Door (PL 39.3)	67C2
3	050E 23970	(SCC) Top Tray (REP 99.1.1)	67C3
4	-	Right Cover	67C4
5	848K 08660	Top Cover (REP 39.2.1)	67C5
6	-	Chute	67C6
7	826E 40430	Shoulder Screw	67C7

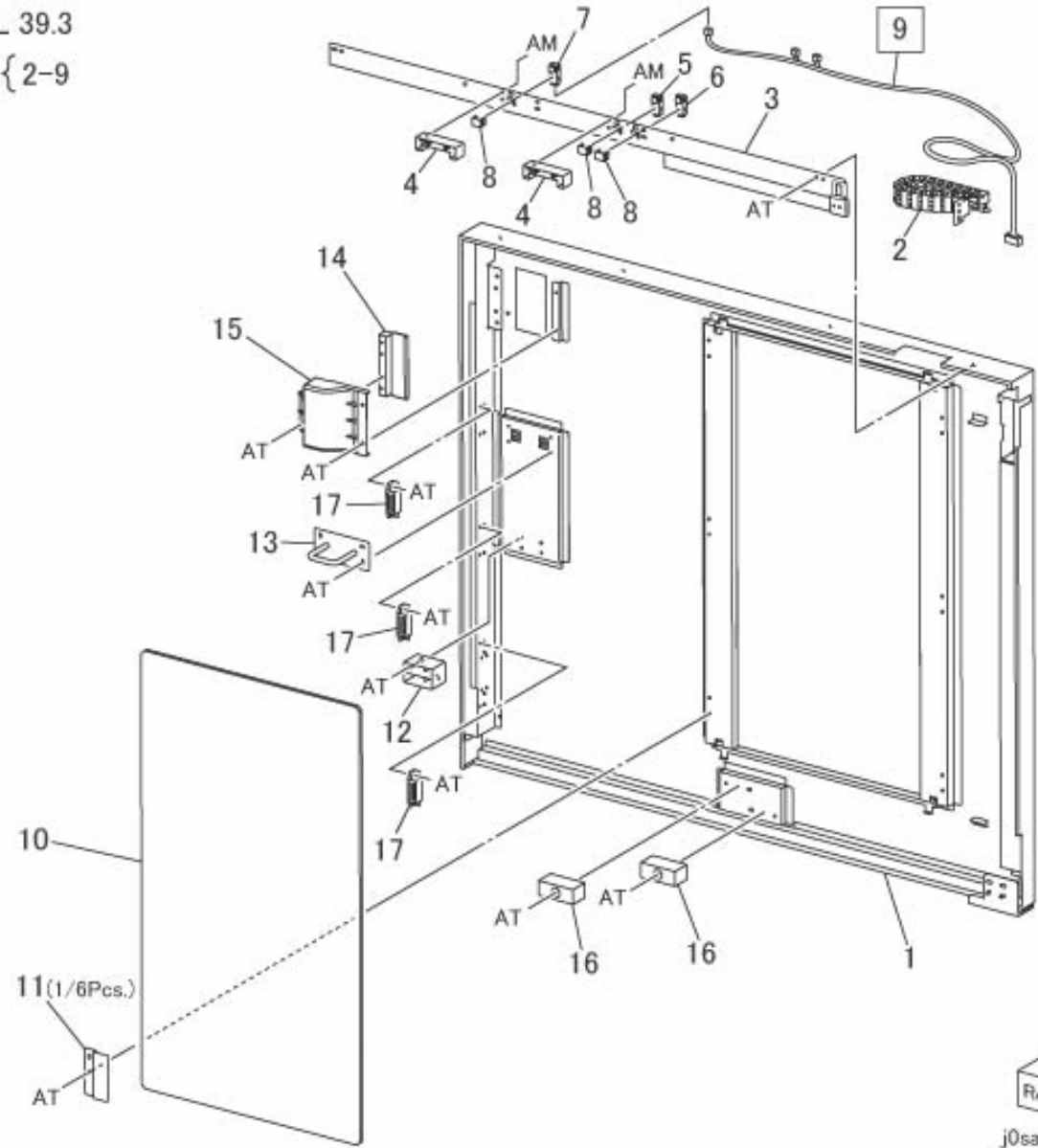
PL 39.2



PL 39.3 Front Door Component

Item	Parts No	Description	A.C.
1	-	Front Door	67D1
2	-	Harness Guard (P/O Item 18)67D2	
3	-	Sensor Bracket (P/O Item 18)67D3	
4	-	Slide (P/O Item 18) 67D4	
5	-	Height Sensor Side Center-P (P/O Item 18)67D5	
6	-	Height Sensor Side Left-L (P/O Item 18)67D6	
7	-	Height Sensor Side Right-L (P/O Item 18)67D7	
8	-	Sensor Holder (P/O Item 18)67D8	
9	962K 65710	(SCC) Sensor Wire Harness (REP 99.1.1)67D9	
10	-	Window Plate	67DB
11	-	Bracket	67DC
12	-	Bracket	67DD
13	019K 09750	Hook	67DE
14	-	Handle	67DF
15	-	Handle Cover	67DG
16	-	Stopper	67DH
17	121E 20640	Magnet	67DJ
18	068K 58070	Stack Height Sensor and Bracket (Item 2-9)67DK	

PL 39.3
18 { 2-9

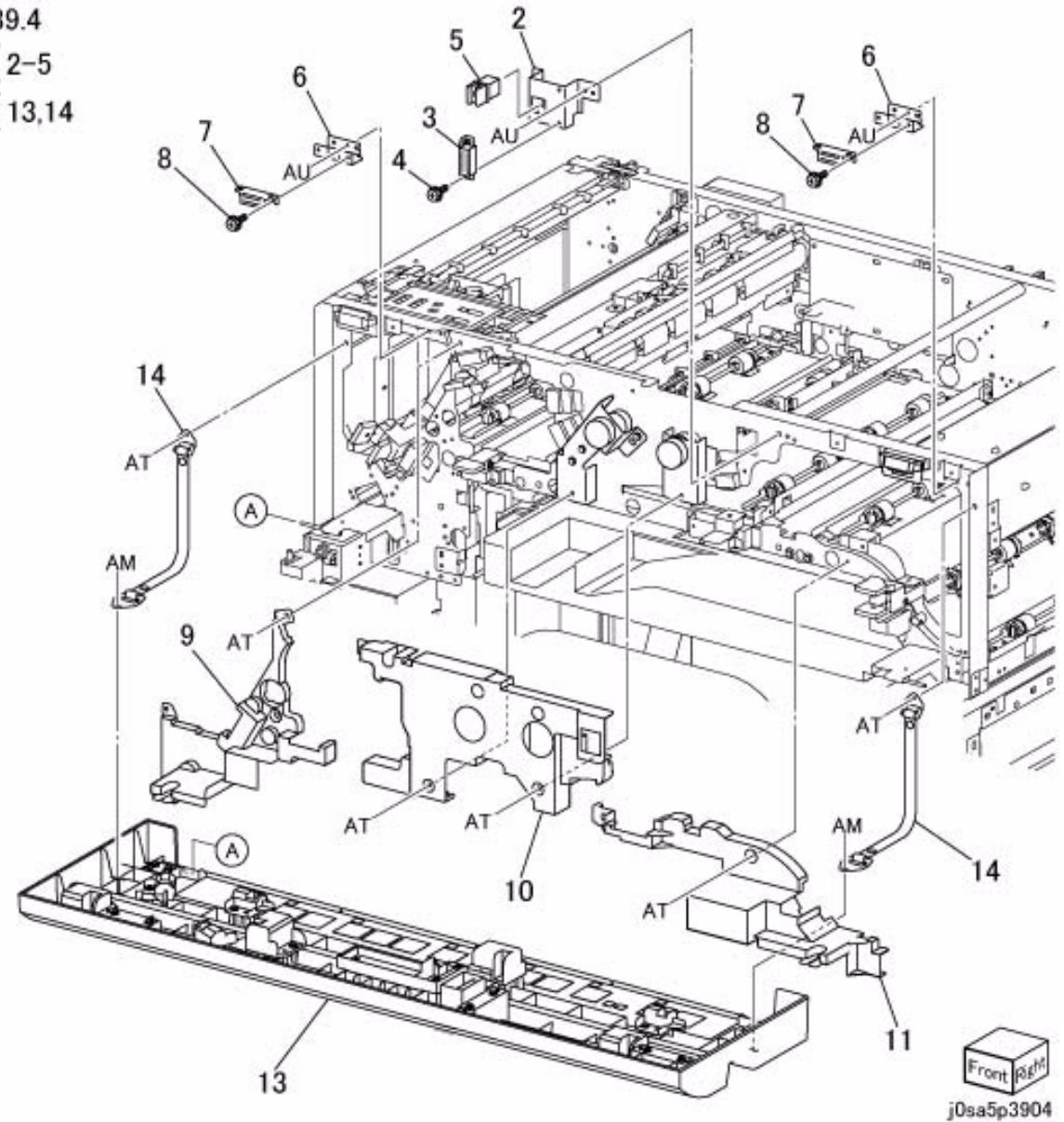


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PL 39.4 Upper / Transport Inner Cover

Item	Parts No	Description	A.C.
1	068K 56860	HCS Upper Cover Switch and Magnet (Item 2-5) 67E1	
2	-	Bracket (P/O Item 1)	67E2
3	121E 20640	Magnet	67E3
4	-	Screw (P/O Item 1)	67E4
5	-	HCS Upper Cover Switch (P/O Item 1)67E5	
6	-	Bracket	67E6
7	121E 21410	Magnet	67E7
8	-	Screw	67E8
9	-	Transport Left Inner Cover67E9	
10	-	Transport Center Inner Cover67EB	
11	-	Transport Right Inner Cover67EC	
12	848K 08600	Upper Cover (Item 13,14)(REP 39.4.1)67ED	
13	-	Upper Cover (P/O Item 12)67EE	
14	003E 76370	Stopper	67EF

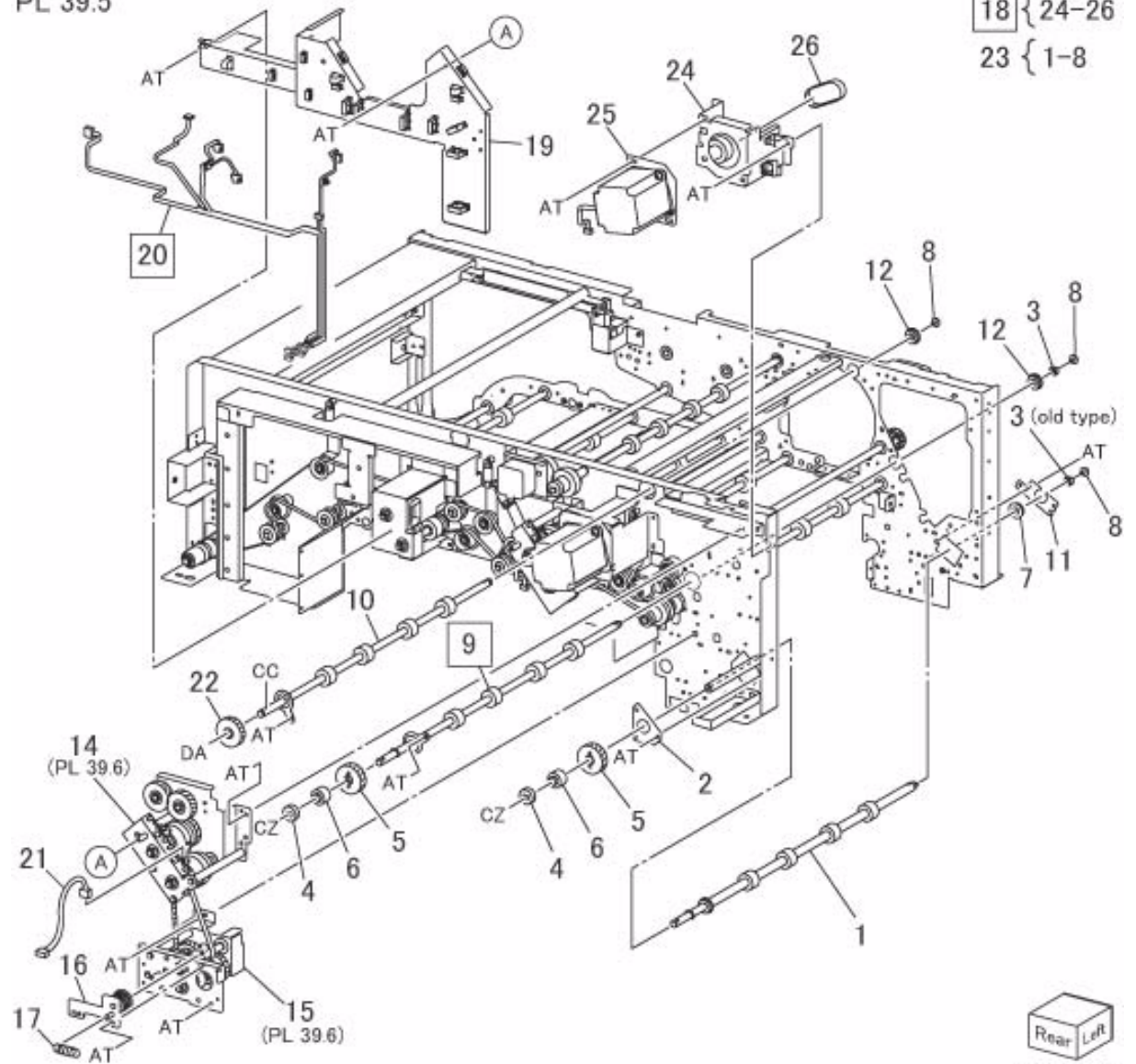
PL 39.4
 1 { 2-5
 12 { 13,14



PL 39.5 HCS Transport Motor 1, HCS Entrance / Top Tray Roll

Item	Parts No	Description	A.C.
1	-	HCS Entrance Roll (P/O Item 23)67F1	
2	-	Bearing Plate (P/O Item 23)67F2	
3	005E 25221	Collar	67F3
4	-	Collar (P/O Item 23)	67F4
5	007K 98220	Gear (HL 32L)	67F5
6	005K 09120	Torque Limiter	67F6
7	-	Bearing (P/O Item 23)	67F7
8	826E 38620	Screw	67F8
9	059K 57221	Top Tray Roll 1(REP 39.5.2)67F9	
10	059K 57231	Top Tray Roll 2	67FB
11	815E 41340	Bearing Plate	67FC
12	013E 34440	Bearing	67FD
13	-	-	67FE
14	-	Transport/Top Tray Clutch and Bracket (PL 39.6) 67FF	
15	-	Gear Bracket (PL 39.6)	67FG
16	068K 57250	Tension Pulley	67FH
17	809E 79440	Spring	67FJ
18	068K 57210	HCS Transport Motor 1 (Item 24-26)(REP 39.5.1) 67FK	
19	-	Harness Bracket	67FL
20	962K 65800	(SCC) Wire Harness (Motor, Clutch, Solenoid)(REP 99.1.1)67FM	
21	962K 65840	Transport Clutch Wire Harness67FN	
22	807E 21670	Gear (HL 32R)	67FP
23	059K 57600	HCS Entrance Roll Assembly (Item 1-8)67FQ	
24	-	Motor Bracket (P/O Item 18)67FR	
25	-	HCS Transport Motor 1 (P/O Item 18)67FS	
26	423W 44155	Belt	67FT

PL 39.5



18 { 24-26
23 { 1-8

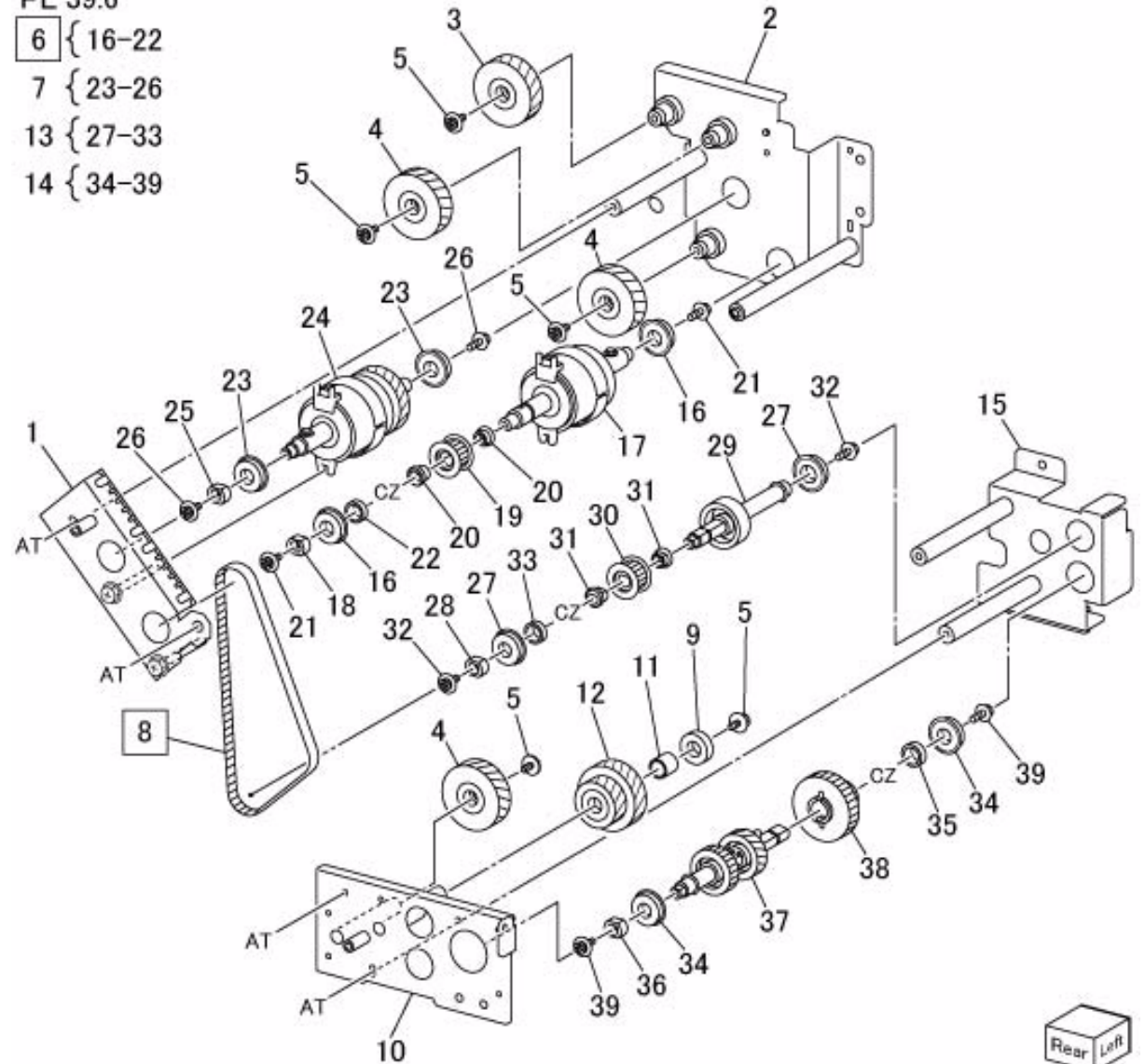


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PL 39.6 Transport / Top Tray Clutch

Item	Parts No	Description	A.C.
1	-	Clutch Bracket	67G1
2	-	Gear Bracket	67G2
3	007K 98220	Gear (HL32L)	67G3
4	007K 98210	Gear (HL32R)	67G4
5	826E 38620	Screw	67G5
6	005K 08870	Transport Clutch (Item 16-22)(REP 39.6.1)67G6	
7	005K 08890	Top Tray Clutch (Item 23-26)67G7	
8	423W 50055	Belt (REP 39.6.1)	67G8
9	-	Bearing	67G9
10	-	Bracket	67GB
11	005E 26570	Collar	67GC
12	007K 98240	Gear (HL32/22L)	67GD
13	006K 87110	Gear Pulley Shaft (Item 27-33)67GE	
14	006K 87120	Gear Shaft (Item 34-39) 67GF	
15	-	Bracket	67GG
16	013E 34440	Bearing	67GH
17	-	Transport Clutch (P/O Item 6)67GJ	
18	005E 25221	Collar	67GK
19	020E 45420	Pulley	67GL
20	005E 26390	Collar	67GM
21	826E 38620	Screw	67GN
22	-	Collar (P/O Item 6)	67GP
23	013E 34440	Bearing	67GQ
24	-	Top Tray Clutch (P/O Item 7)67GR	
25	005E 25221	Collar	67GS
26	826E 38620	Screw	67GT
27	013E 34440	Bearing	67GV
28	005E 25221	Collar	67GW
29	-	Gear and Shaft (P/O Item 13)67GX	
30	020E 45420	Pulley	67H1
31	005E 26390	Collar	67H2
32	826E 38620	Screw	67H3
33	-	Collar (P/O Item 13)	67H4
34	013E 34440	Bearing	67H5
35	-	Collar (P/O Item 14)	67H6
36	005E 25221	Collar	67H7
37	-	Gear and Shaft (P/O Item 14)67H8	
38	807E 21670	Gear (HL32R)	67H9
39	826E 38620	Screw	67HB

PL 39.6
 6 { 16-22
 7 { 23-26
 13 { 27-33
 14 { 34-39



PL 39.7 HCS Transport Motor 2 , Bypass Roll 1 / 2

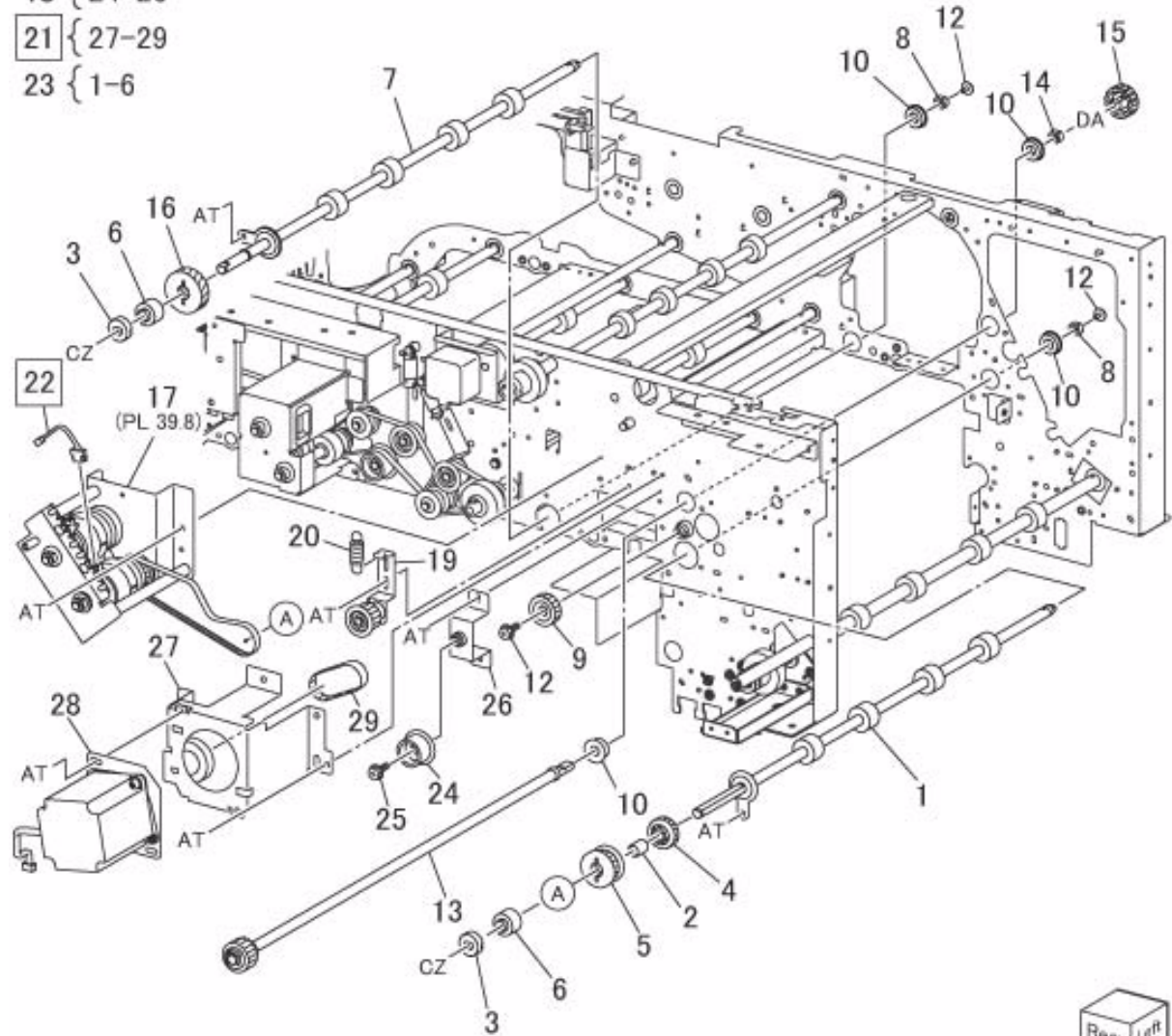
Item	Parts No	Description	A.C.
1	-	Bypass Roll 1 (P/O Item 23)67J1	
2	-	Collar (P/O Item 23)	67J2
3	-	Collar (P/O Item 23)	67J3
4	-	Gear (P/O Item 23)	67J4
5	-	Pulley (P/O Item 23)	67J5
6	005K 09120	Torque Limiter	67J6
7	059K 57221	Bypass Roll 2	67J7
8	005E 25221	Collar	67J8
9	007K 98180	Gear (SP22)	67J9
10	013E 34440	Bearing	67JB
11	-	-	67JC
12	826E 38620	Screw	67JD
13	006K 86580	1a Shaft	67JE
14	-	Collar	67JF
15	003K 86670	1a Knob	67JG
16	007K 98220	Gear (HL 32L)	67JH
17	-	Bypass Clutch 1/2 and Bracket (PL 39.8)67JJ	
18	020K 15770	Pulley and Bracket (Item 24-26)67JK	
19	068K 57280	Tension Pulley	67JL
20	809E 79440	Spring	67JM
21	068K 57190	HCS Transport Motor 2 (Item 27-29)(REP 39.7.1) 67JN	
22	962K 65840	(SCC) Bypass Clutch 1 Wire Harness (REP 99.1.1) 67JP	
23	059K 57580	Bypass Roll 1 Assembly (Item 1-6)67JQ	
24	020K 15780	Pulley	67JR
25	826E 38620	Screw	67JS
26	-	Bracket (P/O Item 18)	67JT
27	-	Motor Bracket (P/O Item 21)67JV	
28	-	HCS Transport Motor 2 (P/O Item 21)67JW	
29	423W 44155	Belt	67JX

PL 39.7

18 { 24-26

21 { 27-29

23 { 1-6



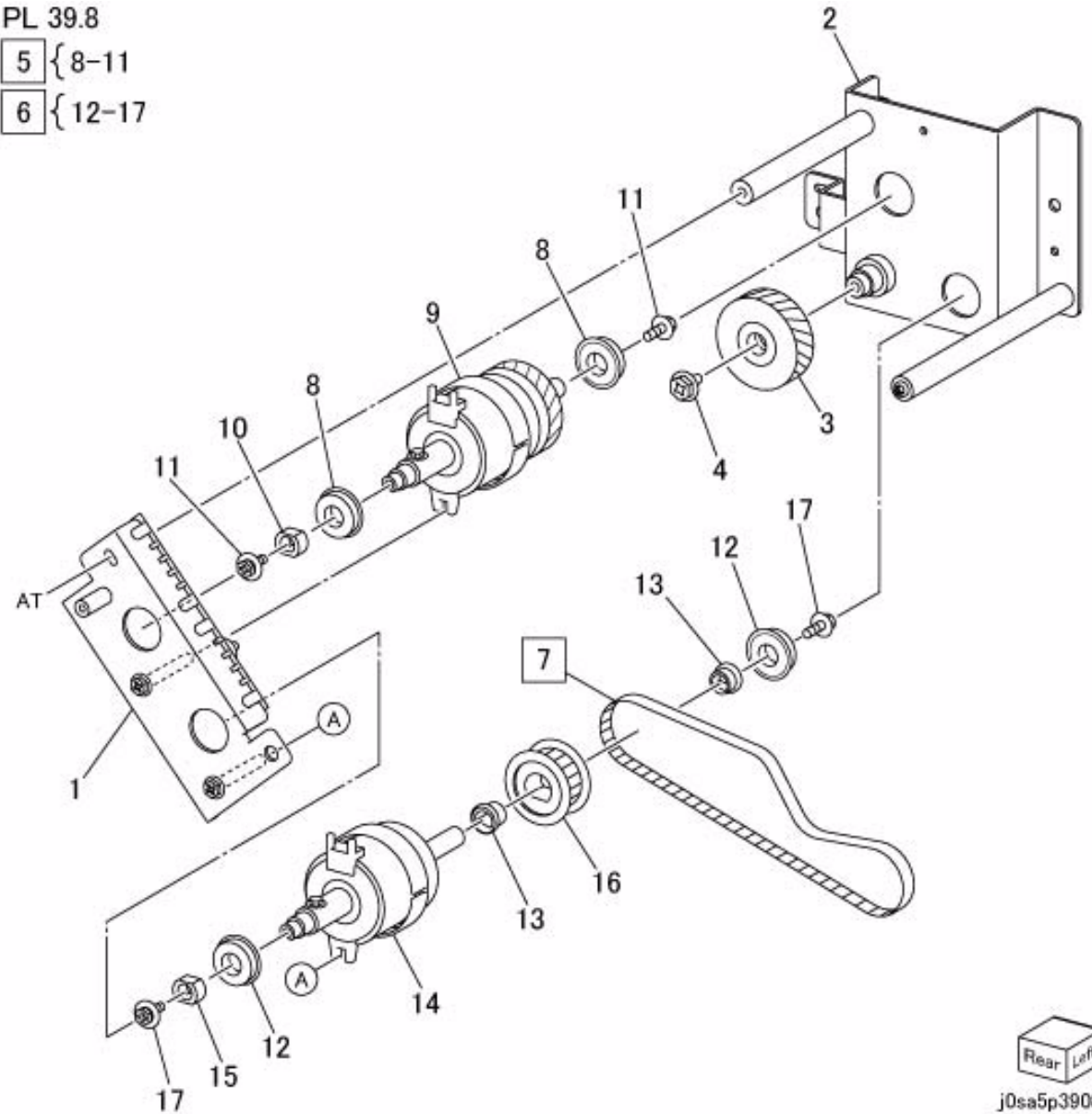
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PL 39.8 Bypass Clutch 1 / 2

Item	Parts No	Description	A.C.
1	-	Clutch Bracket	67L1
2	-	Gear Bracket	67L2
3	007K 98210	Gear (HL 32R)	67L3
4	826E 38620	Screw	67L4
5	005K 08890	Bypass Clutch 1 (Item 8-11)(REP 39.8.1)67L5	
6	005K 08910	Bypass Clutch 2 (Item 12-17)(REP 39.8.1)67L6	
7	423W 50055	Belt (REP 39.8.1)	67L7
8	013E 34440	Bearing	67L8
9	-	Bypass Clutch 1 (P/O Item 5)67L9	
10	005E 25221	Collar	67LB
11	826E 38620	Screw	67LC
12	013E 34440	Bearing	67LD
13	005E 26390	Collar	67LE
14	-	Bypass Clutch 2 (P/O Item 6)67LF	
15	005E 25221	Collar	67LG
16	-	Pulley (P/O Item 6)	67LH
17	826E 38620	Screw	67LJ

PL 39.8

- 5 { 8-11
- 6 { 12-17

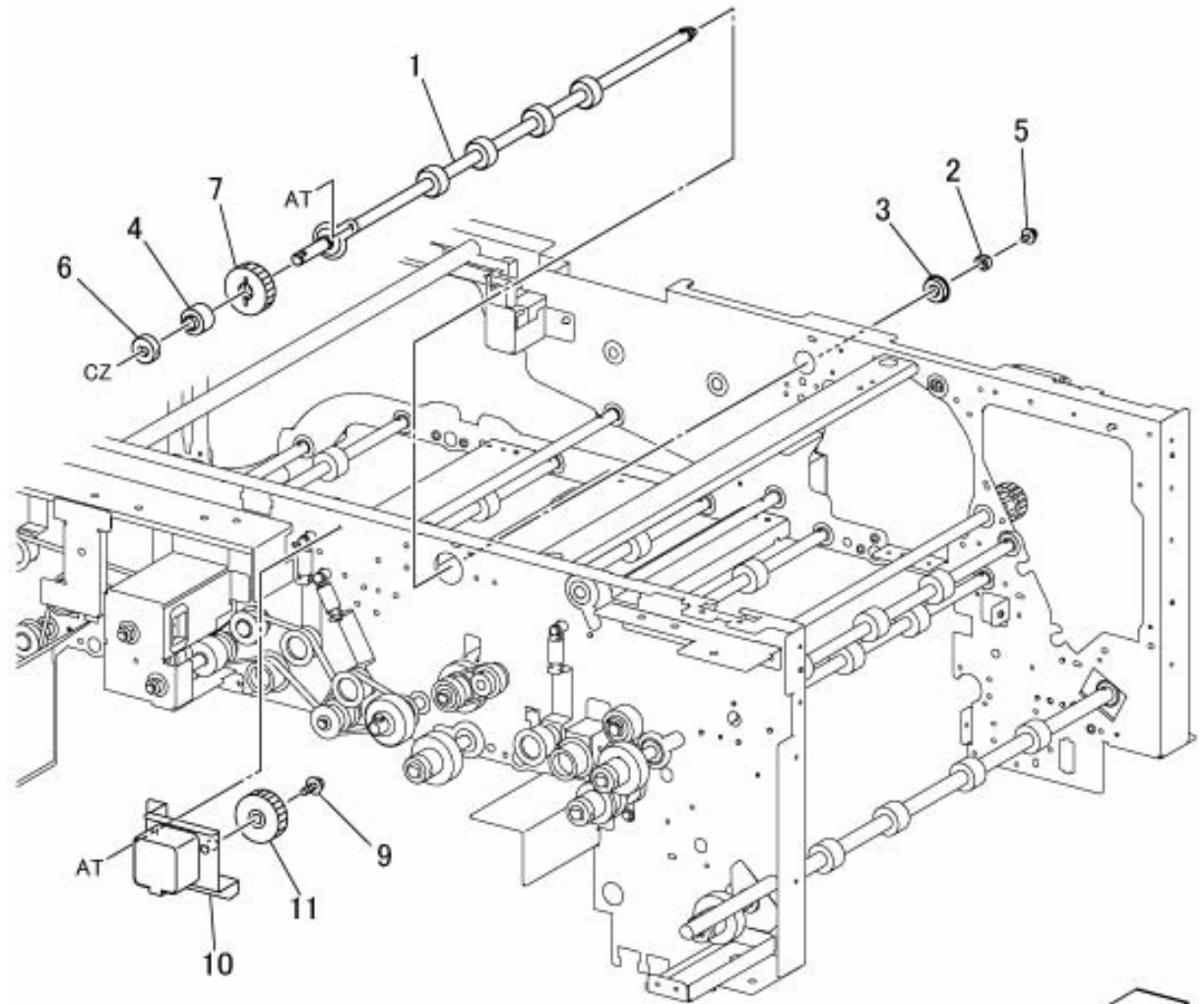



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PL 39.9 Top Tray Motor , Top Tray Exit Roll

Item	Parts No	Description	A.C.
1	059K 57271	Top Tray Exit Roll	67M1
2	005E 25221	Collar	67M2
3	013E 34440	Bearing	67M3
4	005K 09110	Torque Limiter	67M4
5	826E 38620	Screw	67M5
6	-	Collar	67M6
7	007K 98250	Gear (SP31)	67M7
8	068K 57230	Top Tray Motor (Item 9-11)(REP 39.9.1)67M8	
9	826E 38620	Screw	67M9
10	-	Top Tray Motor (P/O Item 8)67MB	
11	007K 98250	Gear (SP31)	67MC

PL 39.9
 8 { 9-11

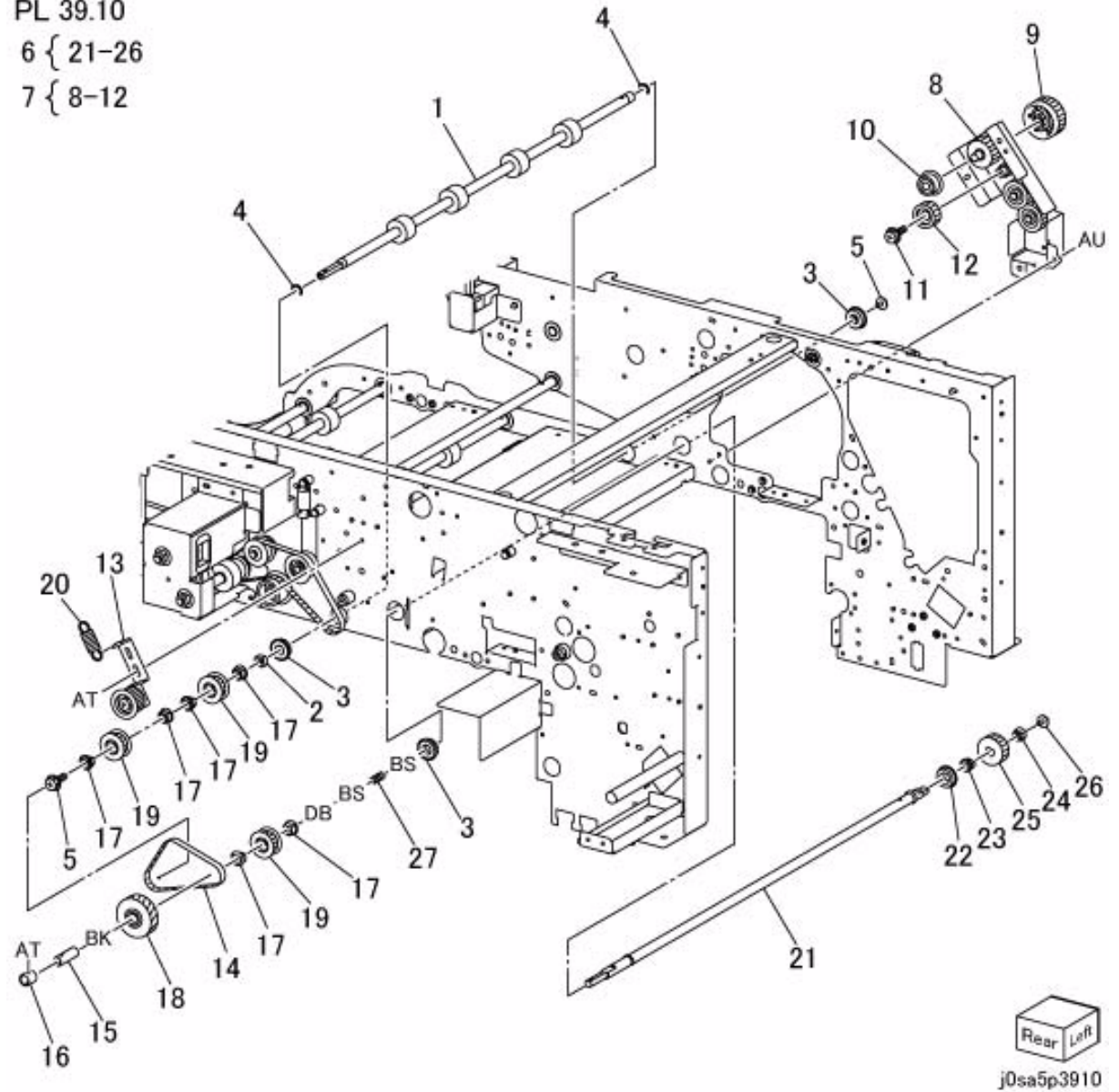


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PL 39.10 Bypass Roll 3 , 2a Gear Box

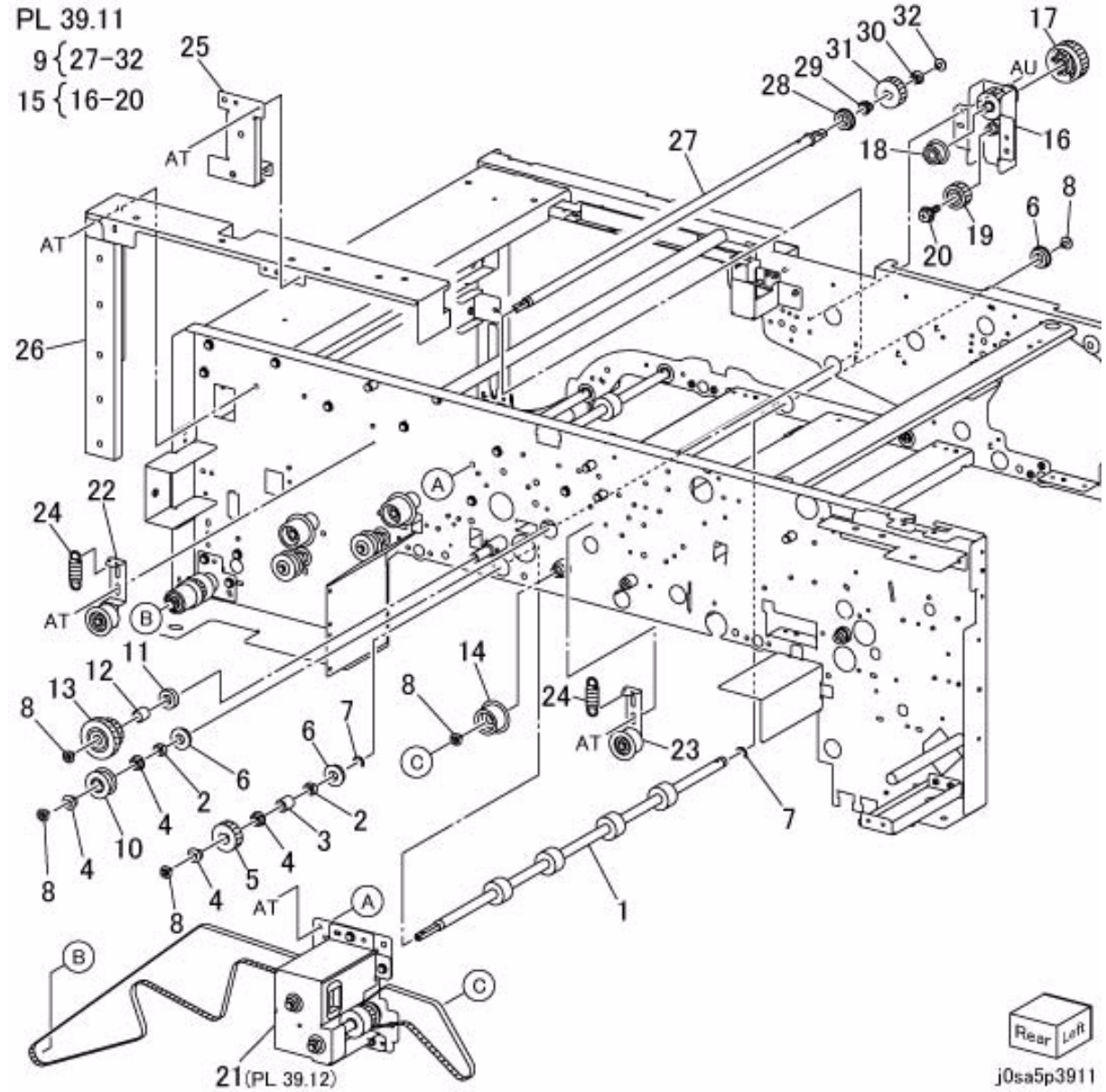
Item	Parts No	Description	A.C.
1	059E 03911	Bypass Roll 3	67N1
2	005E 25221	Collar	67N2
3	013E 34440	Bearing	67N3
4	-	CE-Ring	67N4
5	826E 38620	Screw	67N5
6	006K 86590	2a Shaft Assembly (Item 21-26)	67N6
7	695K 18570	2a Gear Box (Item 8-12)	67N7
8	-	Gear Box (P/O Item 7)	67N8
9	003K 86660	2a Knob	67N9
10	013E 34440	Bearing	67NB
11	826E 38620	Screw	67NC
12	007K 98180	Gear (22)	67ND
13	068K 57260	Tension Pulley	67NE
14	423W 46455	Belt	67NF
15	005E 26560	Collar	67NG
16	005E 26600	Collar	67NH
17	005E 26390	Collar	67NJ
18	007K 98270	Oneway Clutch Gear (HL32L)	67NK
19	020E 45420	Pulley	67NL
20	809E 79440	Spring	67NM
21	-	2a Shaft (P/O Item 6)	67NN
22	013E 34440	Bearing	67NP
23	-	Collar (P/O Item 6)	67NQ
24	005E 26350	Collar	67NR
25	807E 24620	Gear (SP22)	67NS
26	826E 38620	Screw	67NT
27	-	Spring	67NV

PL 39.10
 6 { 21-26
 7 { 8-12



PL 39.11 Bypass Roll 4 , 3a Gear Box

Item	Parts No	Description	A.C.
1	059E 03911	Bypass Roll 4	67Q1
2	005E 25221	Collar	67Q2
3	005E 27080	Collar	67Q3
4	005E 26350	Collar	67Q4
5	807E 24620	Gear (SP22)	67Q5
6	013E 34440	Bearing	67Q6
7	-	CE-Ring	67Q7
8	826E 38620	Screw	67Q8
9	006K 86610	3a Shaft Assembly (Item 27-32)	67Q9
10	020E 45420	Pulley	67QB
11	-	Bearing	67QC
12	005E 26570	Collar	67QD
13	007K 98230	Gear (HL32R/SP22)	67QE
14	020K 15780	Pulley	67QF
15	695K 18580	3a Gear Box (Item 16-20)	67QG
16	-	Gear Box (P/O Item 15)	67QH
17	003K 86690	3a Knob	67QJ
18	013E 34440	Bearing	67QK
19	007K 98180	Gear (22)	67QL
20	826E 38620	Screw	67QM
21	-	Bypass Clutch 3 and Bracket (PL 39.12)	67QN
22	068K 57260	Tension Pulley	67QP
23	068K 57270	Tension Pulley	67QQ
24	809E 79440	Spring	67QR
25	-	Harness Bracket	67QS
26	-	Harness Bracket	67QT
27	-	3a Shaft (P/O Item 9)	67QV
28	013E 34440	Bearing	67QW
29	-	Collar (P/O Item 9)	67QX
30	005E 26350	Collar	67R1
31	807E 24620	Gear (SP22)	67R2
32	826E 38620	Screw	67R3



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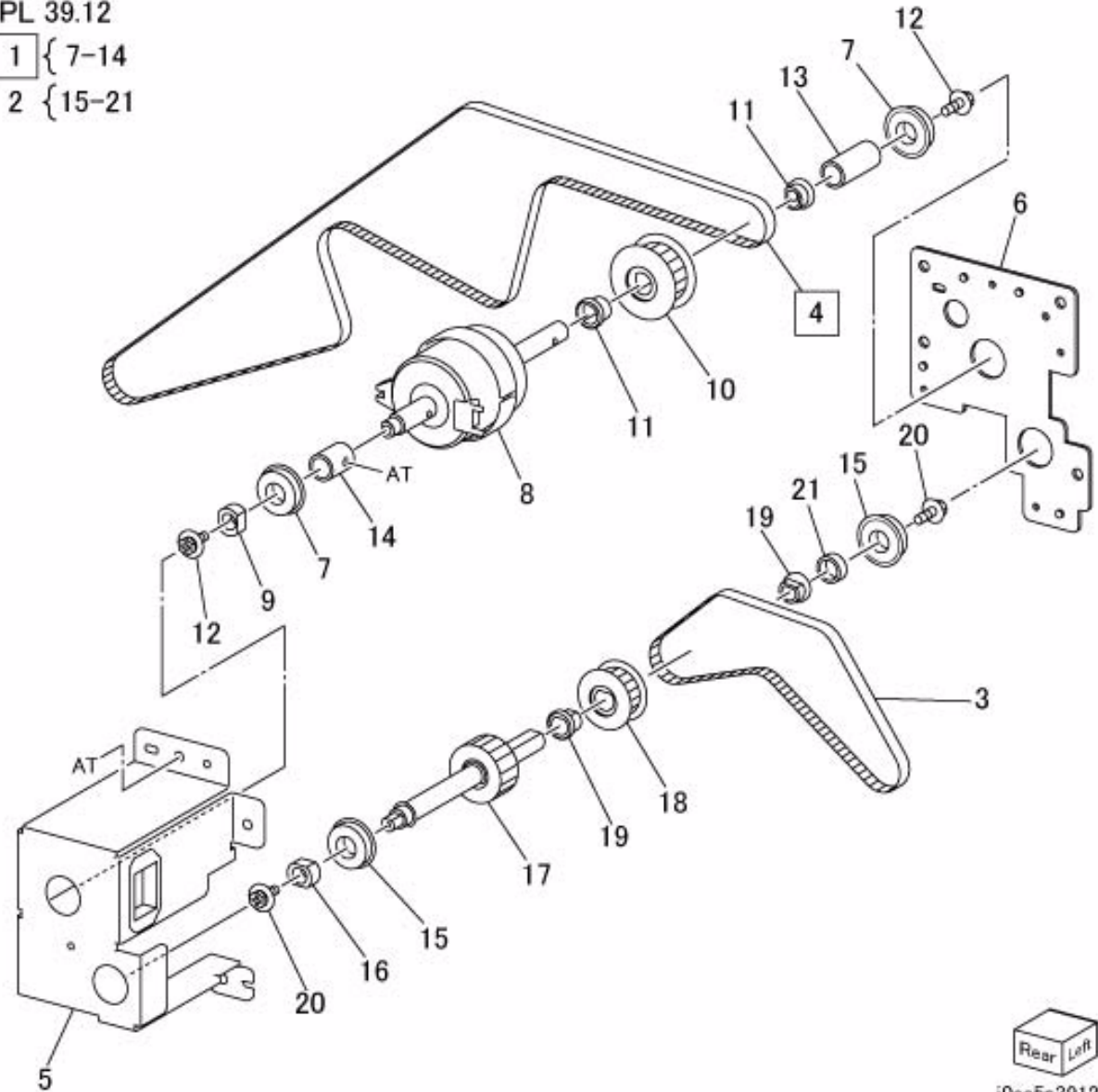
PL 39.12 Bypass Clutch 3

Item	Parts No	Description	A.C.
1	005K 08940	Bypass Clutch 3 (Item 7-14)(REP 39.12.1)67S1	
2	006K 87100	Gear Pulley Shaft (Item 15-21)67S2	
3	423W 50055	Belt	67S3
4	423W 93355	Belt (REP 39.12.1)	67S4
5	-	Clutch Bracket (P/O Item 1)67S5	
6	-	Bracket (P/O Item 1)	67S6
7	013E 34440	Bearing	67S7
8	-	Bypass Clutch 3 (P/O Item 1)67S8	
9	005E 25221	Collar	67S9
10	020E 45420	Pulley	67SB
11	005E 26390	Collar	67SC
12	826E 38620	Screw	67SD
13	-	Collar (P/O Item 1)	67SE
14	005E 26560	Collar	67SF
15	013E 34440	Bearing	67SG
16	005E 25221	Collar	67SH
17	-	Gear and Shaft (P/O Item 2)67SJ	
18	020E 45420	Pulley	67SK
19	005E 26390	Collar	67SL
20	826E 38620	Screw	67SM
21	-	Collar (P/O Item 2)	67SN

PL 39.12

1 { 7-14

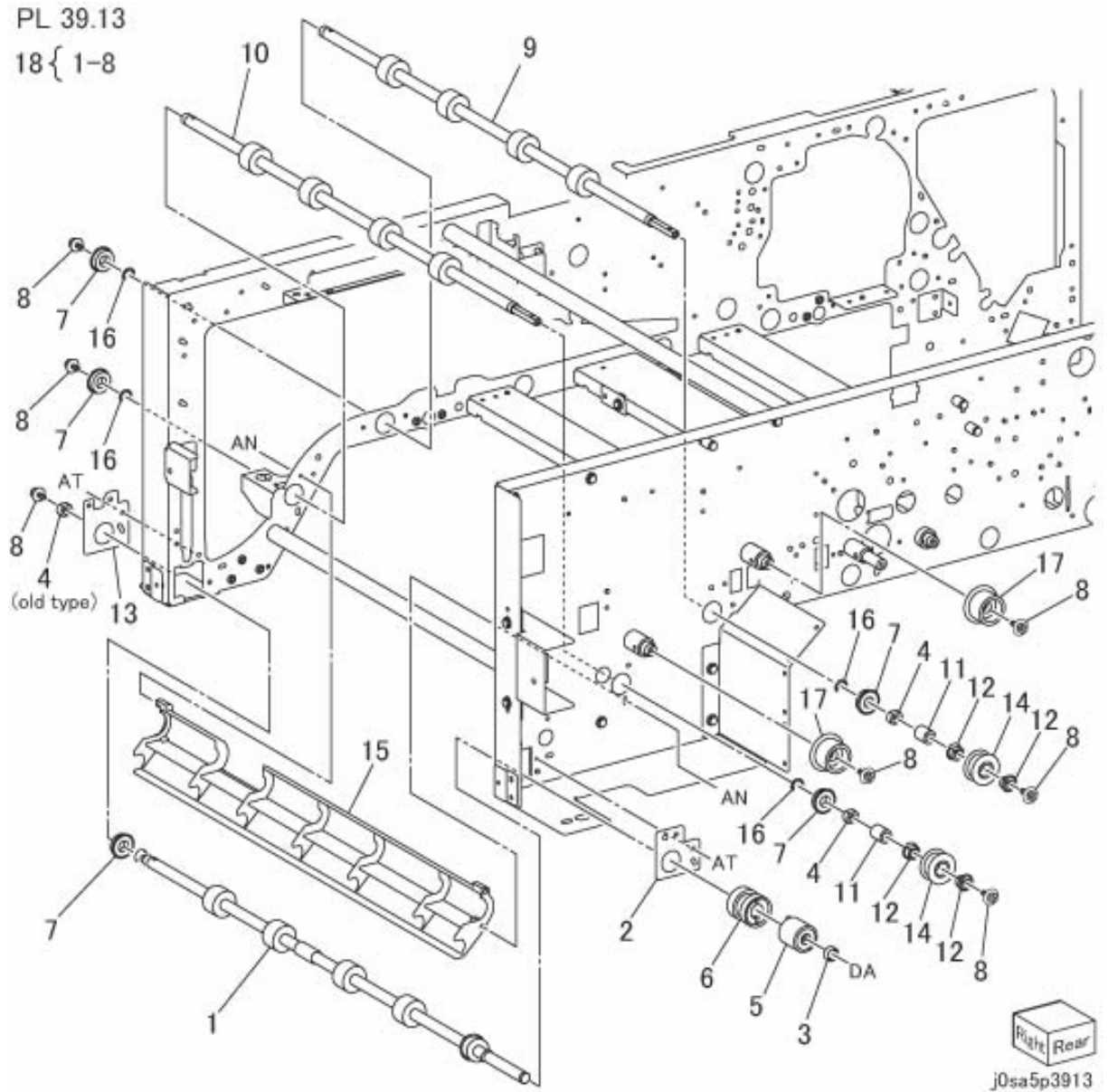
2 { 15-21



Rear
Left
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PL 39.13 Bypass Roll 5 / 6 , Bypass Exit Roll

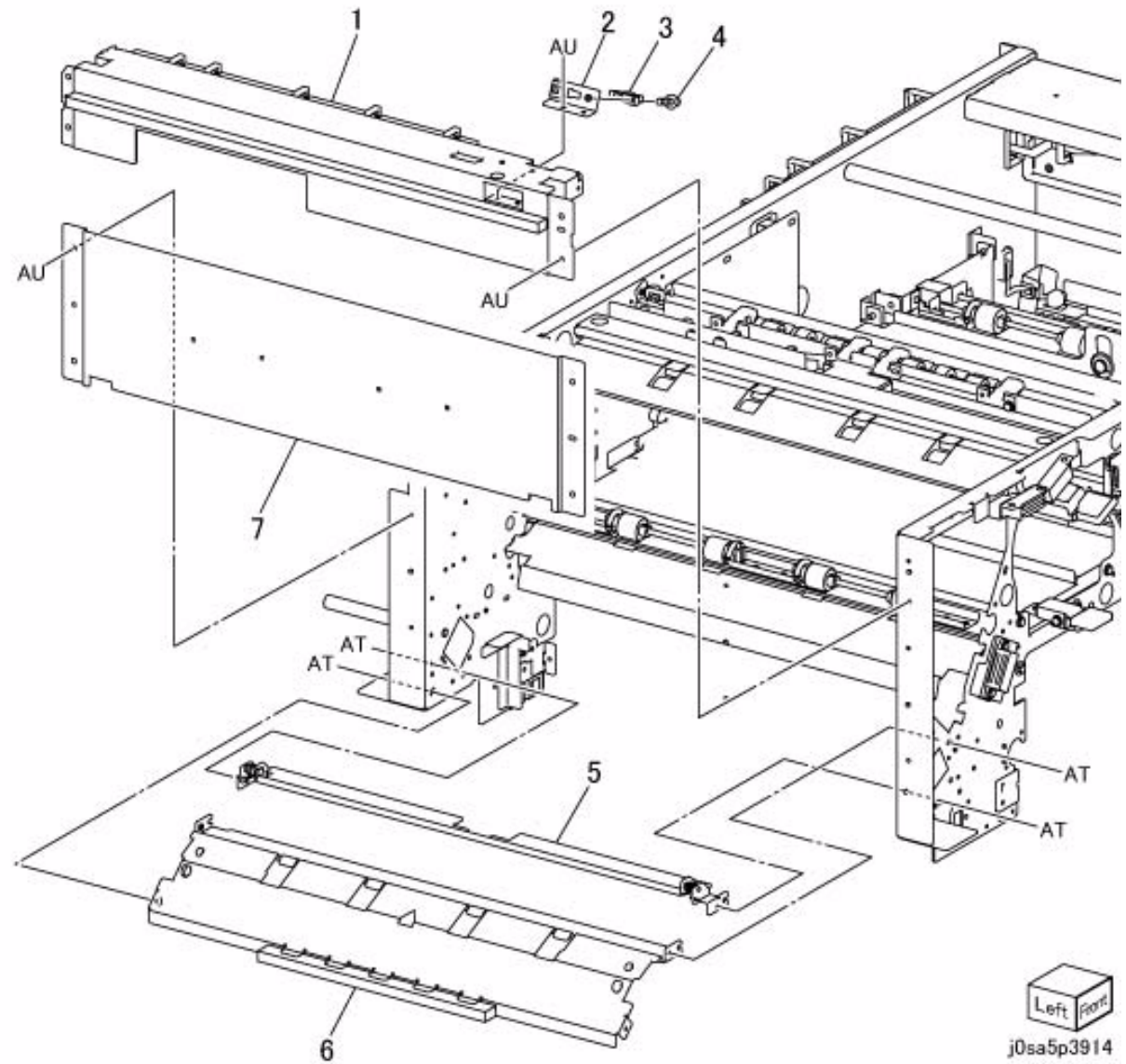
Item	Parts No	Description	A.C.
1	-	Bypass Exit Roll (P/O Item 18)67T1	
2	-	Bearing Plate (P/O Item 18)67T2	
3	-	Collar (P/O Item 18)	67T3
4	005E 25221	Collar	67T4
5	-	Oneway Clutch (P/O Item 18)67T5	
6	-	Pulley (P/O Item 18)	67T6
7	013E 34440	Bearing	67T7
8	826E 38620	Screw	67T8
9	059E 03911	Bypass Roll 5	67T9
10	059E 03911	Bypass Roll 6	67TB
11	005E 27080	Collar	67TC
12	-	Collar	67TD
13	815E 41330	Bearing Plate	67TE
14	020E 45420	Pulley	67TF
15	-	Roll Cover	67TG
16	-	CE-Ring	67TH
17	-	Pulley	67TJ
18	059K 57590	Bypass Exit Roll Assembly (Item 1-8)67TK	



PL 39.14 HCS Entrance Chute

Item	Parts No	Description	A.C.
1	-	Tie Bracket	67V1
2	-	Sensor Bracket	67V2
3	130E 94971	Chute Open Sensor	67V3
4	826E 39100	Screw	67V4
5	054K 36370	HCS Entrance Upper Chute67V5	
6	054K 34720	HCS Entrance Lower Chute67V6	
7	-	Tie Plate	67V7

PL 39.14

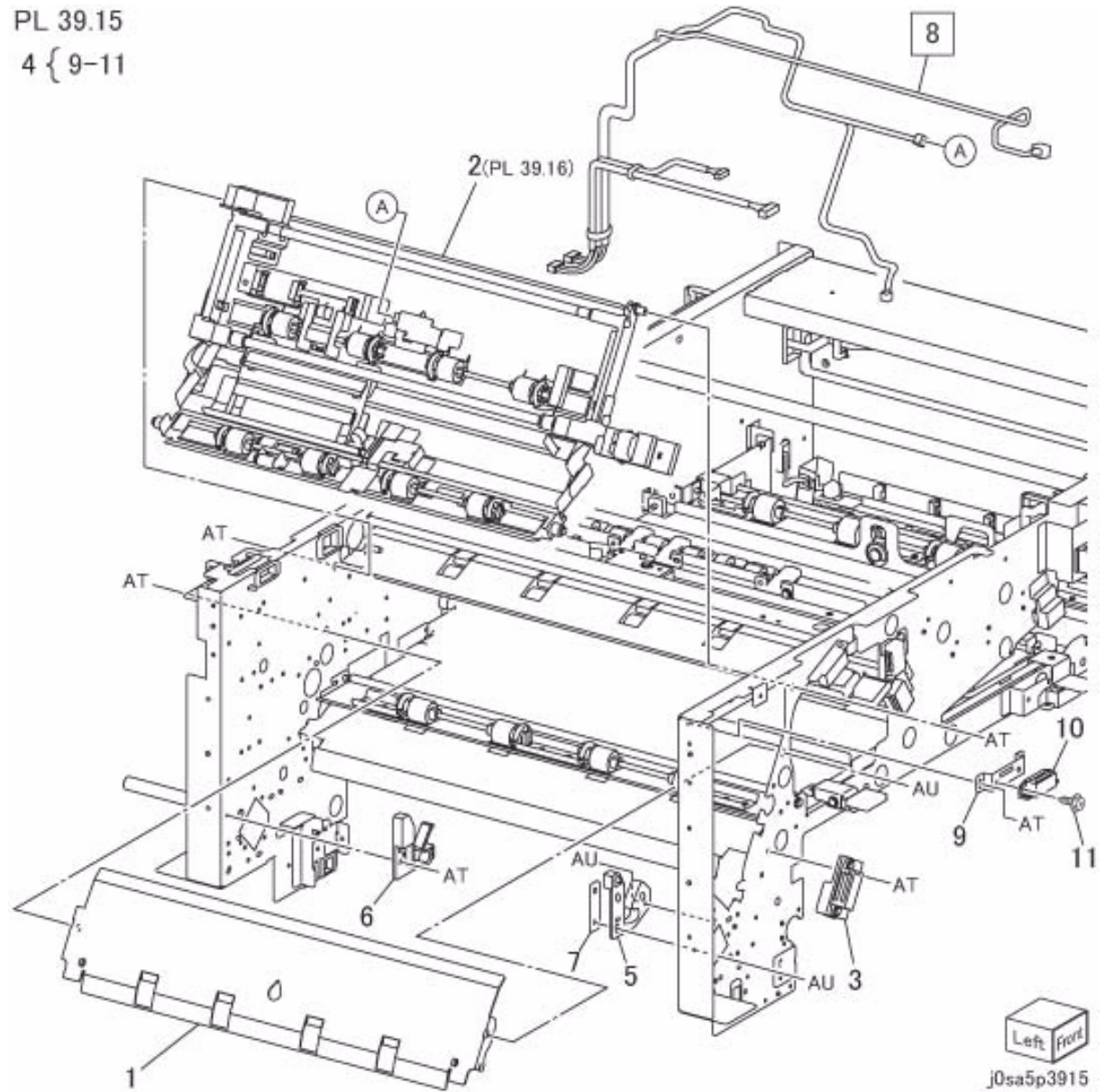


PL 39.15 1b Chute Assembly

Item	Parts No	Description	A.C.
1	054K 34900	1b Lower Chute	67W1
2	054K 34940	1b Chute (PL 39.16)	67W2
3	068K 56990	Magnet and Bracket	67W3
4	068K 57000	Magnet and Bracket (Item 9-11)	67W4
5	-	Guide (Front)	67W5
6	-	Guide (Rear)	67W6
7	-	Nut Plate	67W7
8	962K 65810	(SCC) Sensor Wire Harness (REP 99.1.1)	67W8
9	-	Bracket (P/O Item 4)	67W9
10	121E 21410	Magnet	67WB
11	-	Screw (P/O Item 4)	67WC

PL 39.15

4 { 9-11



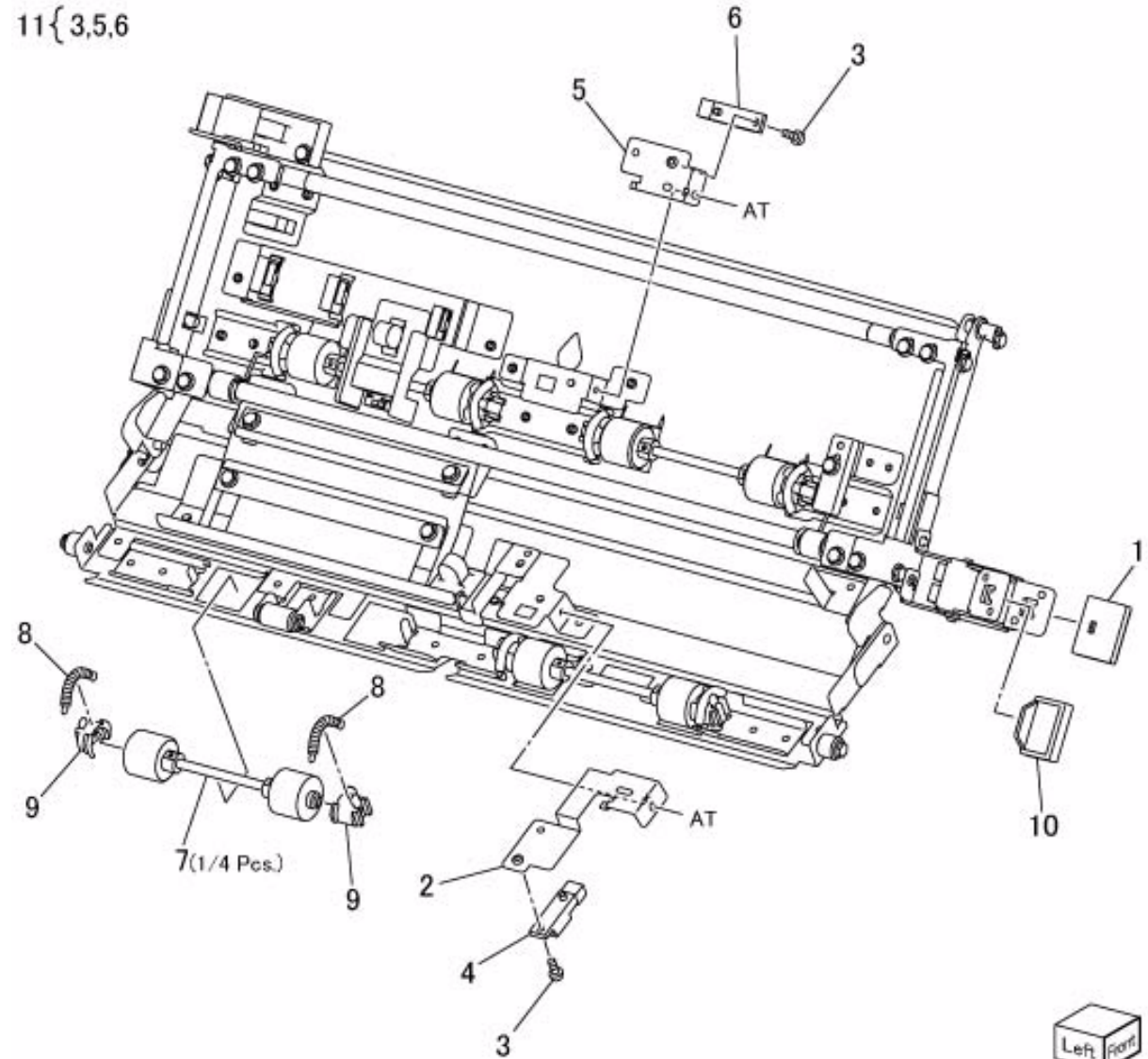
Left Front

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PL 39.16 1b Chute Component

Item	Parts No	Description	A.C.
1	–	Lever	67X1
2	–	Sensor Bracket	67X2
3	826E 39100	Screw	67X3
4	930W 00211	Stacker Path Sensor	67X4
5	–	Sensor Bracket (P/O Item 11)67X5	
6	930W 00211	Top Tray Path Sensor	67X6
7	059K 57700	Pinch Roll	67X7
8	–	Spring	67X8
9	–	Collar	67X9
10	011K 99100	1b Lever	67XB
11	068K 61400	Top Tray Path Sensor and Bracket (Item 3, 5, 6) 67XC	

PL 39.16
11 { 3,5,6



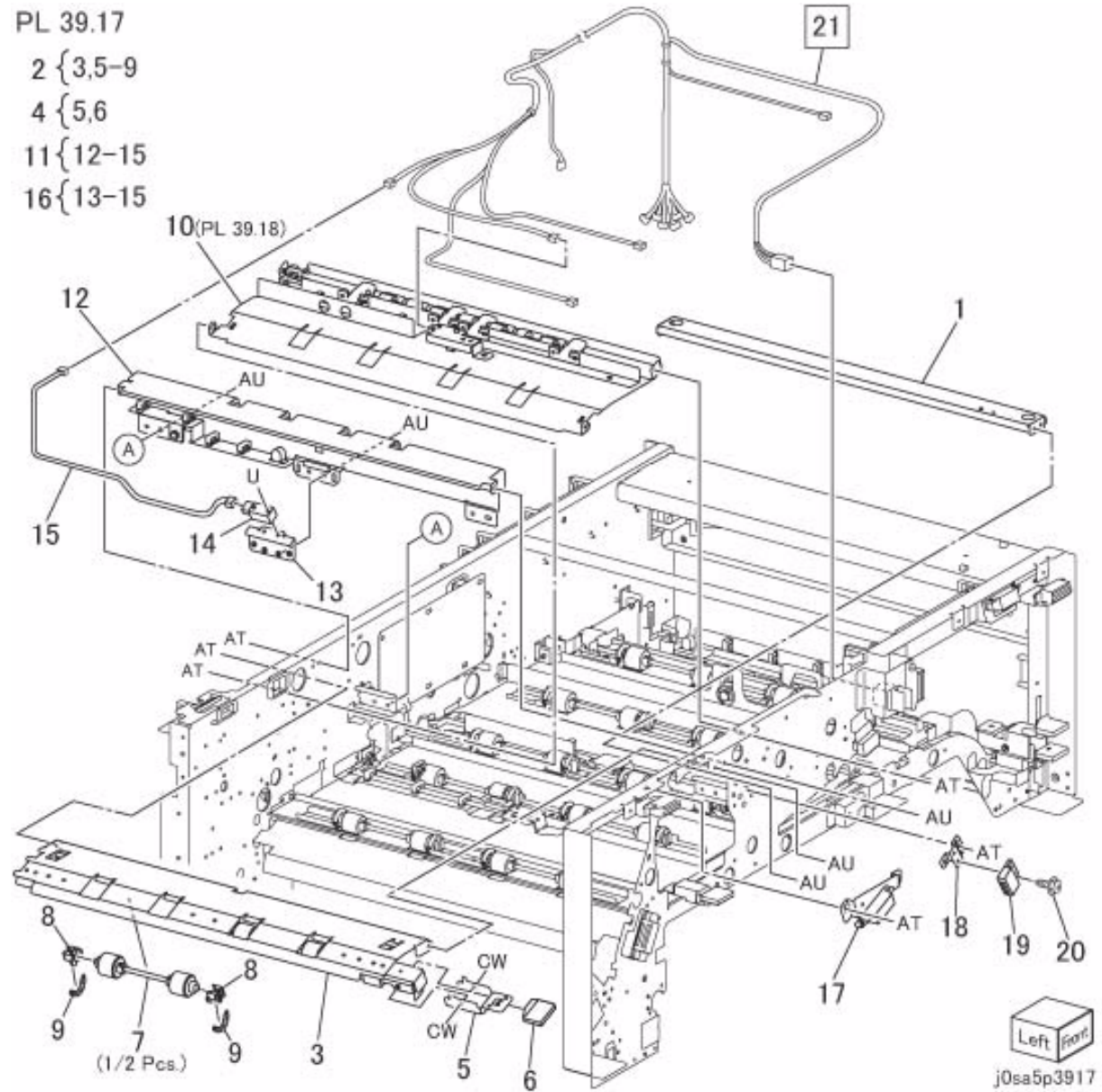
Left Front
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PL 39.17 2b Chute Assembly , Top Tray Exit Lower Chute

Item	Parts No	Description	A.C.
1	-	Tie Plate	68B1
2	054K 34920	2a Chute (Item 3, 5-9)	68B2
3	-	2a Chute (P/O Item 2)	68B3
4	011K 98930	Lever and Bracket (Item 5,6)	68B4
5	-	Lever Bracket (P/O Item 4)	68B5
6	011K 99090	2a Lever	68B6
7	059K 57700	Pinch Roll	68B7
8	-	Collar (P/O Item 2)	68B8
9	-	Spring (P/O Item 2)	68B9
10	054K 34991	2a Upper Chute (PL 39.18)	68BB
11	038K 18330	Top Tray Exit Lower Chute (Item 12-15)	68BC
12	-	Top Tray Exit Lower Chute (P/O Item 11)	68BD
13	-	Sensor Bracket (P/O Item 16)	68BE
14	-	Top Tray Full Sensor (P/O Item 16)	68BF
15	-	Sensor Wire Harness (P/O Item 16)	68BG
16	068K 61790	Top Tray Full Sensor and Harness (Item 13-15)	68BH
17	068K 57040	Magnet and Bracket	68BJ
18	-	Bracket	68BK
19	121E 21420	Magnet	68BL
20	-	Screw	68BM
21	962K 65820	(SCC) Sensor Wire Harness (REP 99.1.1)	68BN

PL 39.17

- 2 { 3,5-9
- 4 { 5,6
- 11 { 12-15
- 16 { 13-15

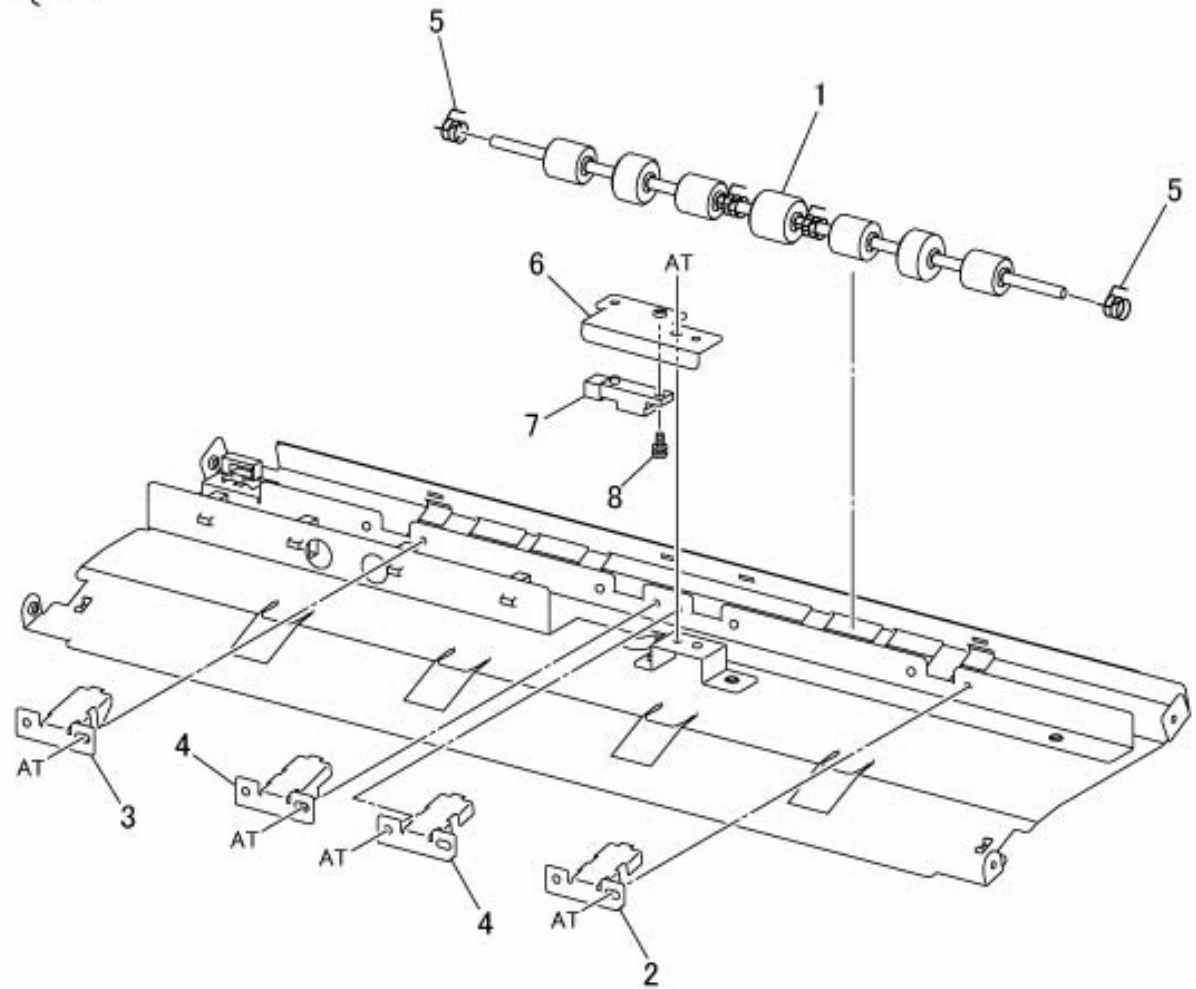


Left front
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PL 39.18 2b Chute Component

Item	Parts No	Description	A.C.
1	059K 55331	Top Tray Exit Pinch Roll	68C1
2	-	Spring Plate (Front)	68C2
3	-	Spring Plate (Rear)	68C3
4	-	Spring Plate (Center)	68C4
5	-	Spring	68C5
6	-	Sensor Bracket (P/O Item 9)68C6	
7	930W 00211	Top Tray Exit Sensor	68C7
8	826E 39100	Screw	68C8
9	068K 61450	Top Tray Exit Sensor and Bracket (Item 6-8)68C9	

PL 39.18
9 { 6-8



PL 39.19 Bypass Upper / Lower Chute 1 , 2b Chute

Item	Parts No	Description	A.C.
1	054K 34730	Bypass Lower Chute 1	68D1
2	054K 34780	Bypass Upper Chute 1(Item 3-6)68D2	
3	-	Bypass Upper Chute 1(P/O Item 2)68D3	
4	059K 55310	Pinch Roll	68D4
5	-	Collar1(P/O Item 2)	68D5
6	-	Spring1(P/O Item 2)	68D6
7	054K 34800	2b Chute (Item 8-12)	68D7
8	-	2b Chute (P/O Item 7)	68D8
9	-	Sensor Bracket (P/O Item 13)68D9	
10	826E 39100	Screw	68DB
11	930W 00211	Bypass Path Sensor 1	68DC
12	011K 99120	2b Lever	68DD
13	068K 61400	Bypass Path Sensor 1 and Bracket (Item 9-11)68DE	
14	068K 56980	Magnet and Bracket (Item 15-17)68DF	
15	-	Bracket (P/O Item 14)	68DG
16	121E 20640	Magnet	68DH
17	-	Screw (P/O Item 14)	68DJ
18	-	Bracket	68DK
19	-	Magnet	68DL

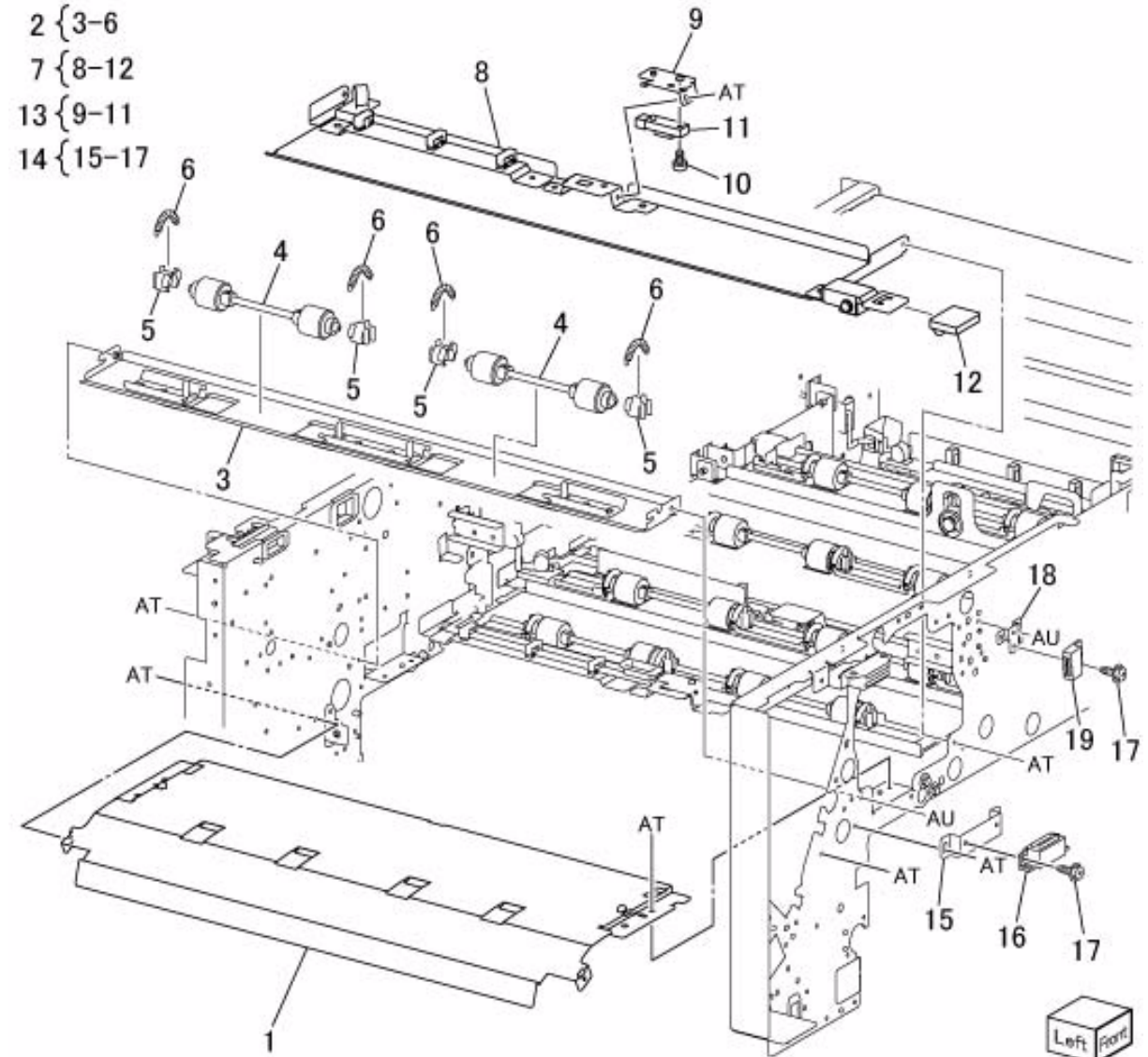
PL 39.19

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13 {9-11

14 {15-17



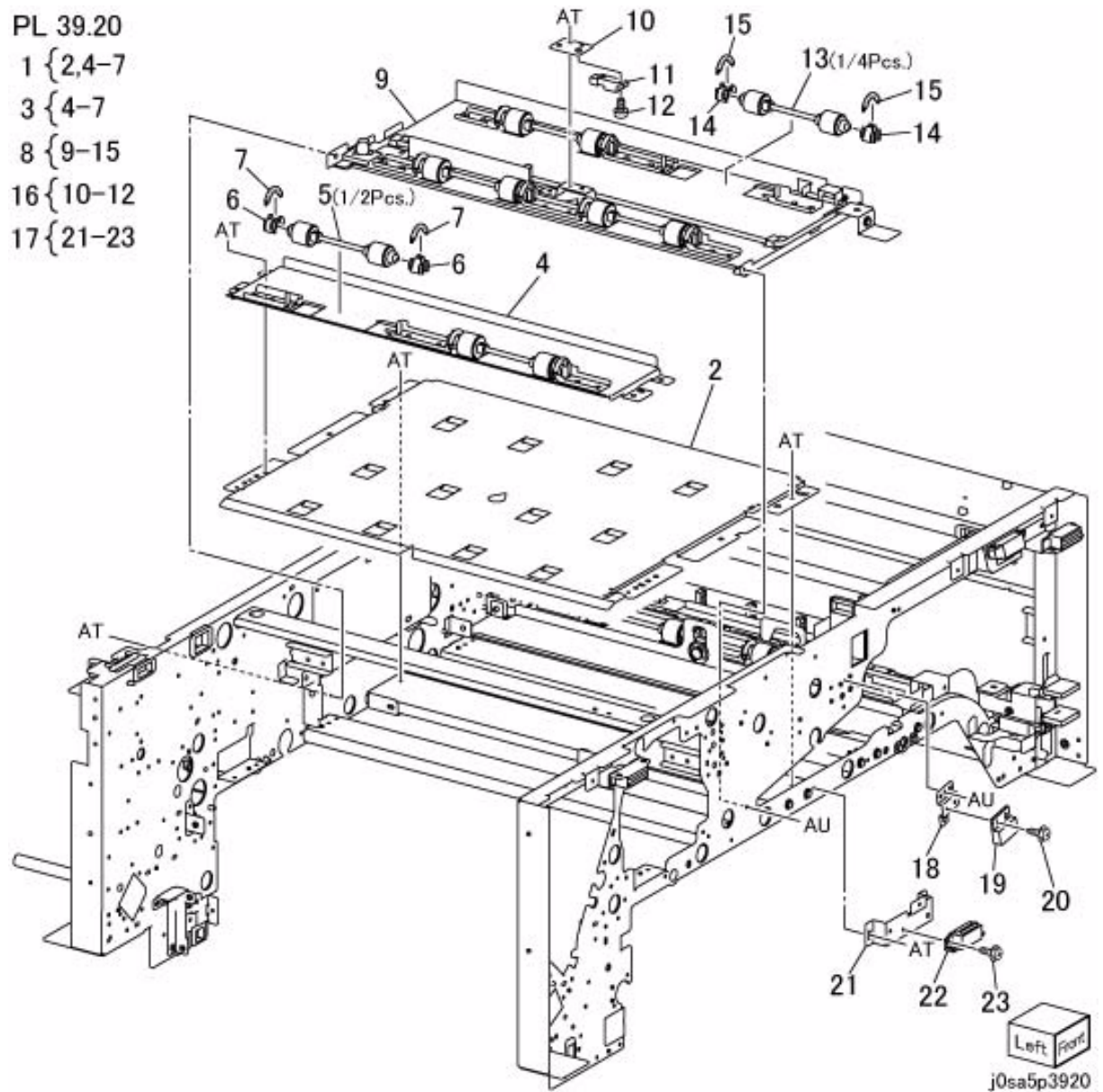
Left Front

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PL 39.20 Bypass Upper / Lower Chute 2 , Bypass Upper Chute 3

Item	Parts No	Description	A.C.
1	054K 34750	Bypass Upper/Lower Chute 2 (Item 2, 4-7)68E1	
2	054K 37220	Bypass Lower Chute 2	68E2
3	054K 34820	Bypass Upper Chute 2 (Item 4-7)68E3	
4	-	Bypass Upper Chute 2 (P/O Item 3)68E4	
5	059K 57700	Pinch Roll	68E5
6	-	Collar (P/O Item 3)	68E6
7	-	Spring (P/O Item 3)	68E7
8	054K 34840	Bypass Upper Chute 3 (Item 9-15)68E8	
9	-	Bypass Upper Chute 3 (P/O Item 8)68E9	
10	-	Sensor Bracket (P/O Item 16)68EB	
11	930W 00211	Bypass Path Sensor 2	68EC
12	826E 39100	Screw	68ED
13	059K 57700	Pinch Roll	68EE
14	-	Collar (P/O Item 8)	68EF
15	-	Spring (P/O Item 8)	68EG
16	068K 61410	Bypass Path Sensor 2 and Bracket (Item 10-12) 68EH	
17	068K 57030	Magnet and Bracket (Item 21-23)68EJ	
18	-	Bracket	68EK
19	-	Magnet	68EL
20	-	Screw	68EM
21	-	Bracket (P/O Item 17)	68EN
22	121E 20640	Magnet	68EP
23	-	Screw (P/O Item 17)	68EQ

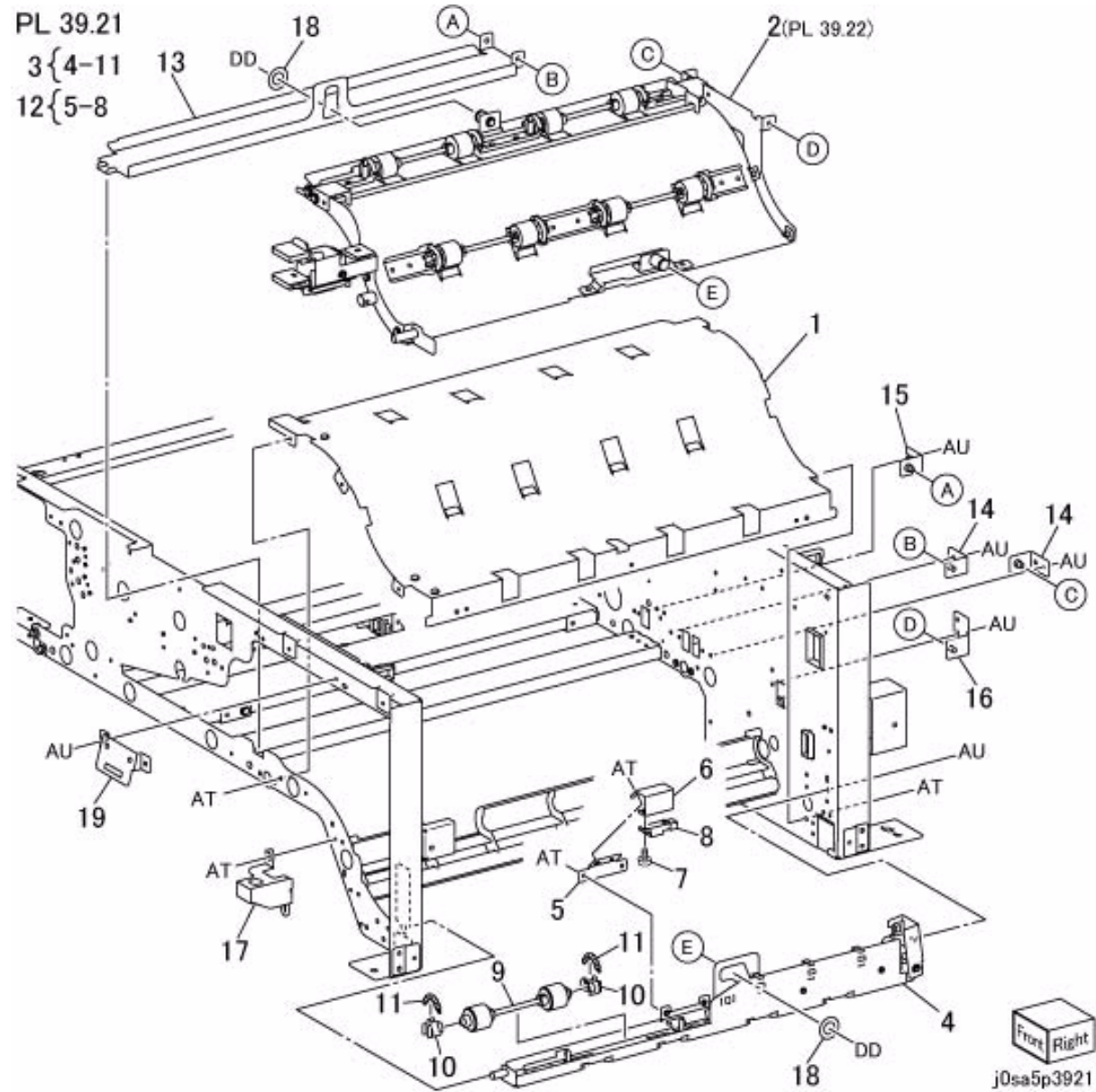
PL 39.20
 1 {2,4-7
 3 {4-7
 8 {9-15
 16 {10-12
 17 {21-23



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**PL 39.21 3b Chute Assembly , Bypass Lower
Chute 3 , Bypass Exit Upper Chute**

Item	Parts No	Description	A.C.
1	054K 34770	Bypass Lower Chute 3	68F1
2	054K 34880	3b Chute (PL 39.22)	68F2
3	038K 18320	Bypass Exit Upper Chute (Item 4-11)	68F3
4	-	Bypass Exit Upper Chute (P/O Item 3)	68F4
5	-	Sensor Bracket (P/O Item 12)	68F5
6	-	Sensor Bracket (P/O Item 12)	68F6
7	826E 39100	Screw	68F7
8	930W 00211	Bypass Exit Sensor	68F8
9	059K 57700	Pinch Roll	68F9
10	-	Collar (P/O Item 3)	68FB
11	-	Spring (P/O Item 3)	68FC
12	068K 61460	Bypass Exit Sensor and Bracket (Item 5-8)	68FD
13	-	Bypass Upper Chute4	68FE
14	068K 56970	Bracket	68FF
15	068K 56960	Bracket	68FG
16	068K 56950	Bracket	68FH
17	-	Bracket	68FJ
18	-	Washer	68FK
19	-	Bracket	68FL

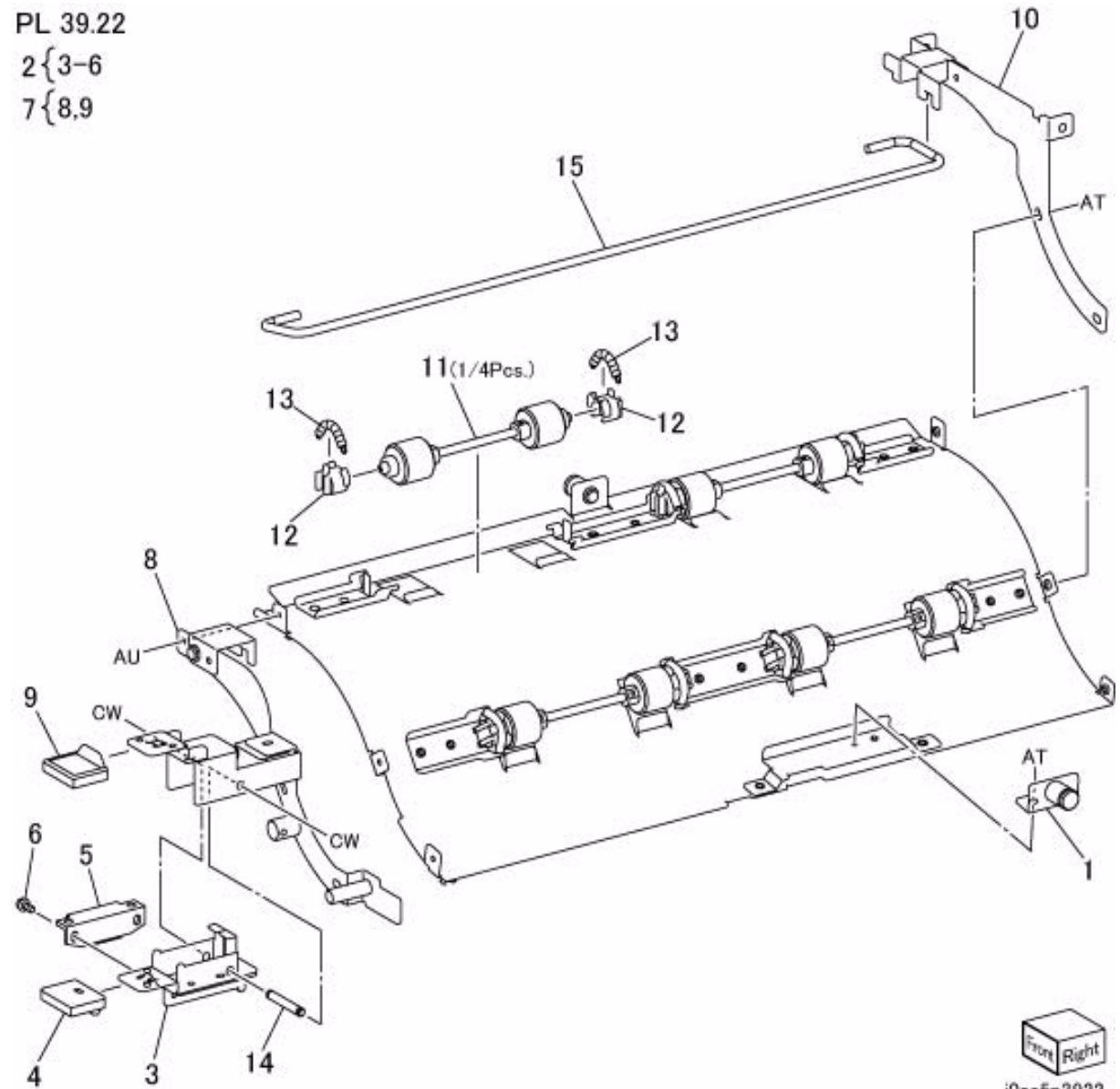


PL 39.22 3b Chute Component

Item	Parts No	Description	A.C.
1	068K 61420	Pin Bracket	68G1
2	011K 98920	Lever and Bracket (Item 3-6)68G2	
3	-	Lever Bracket (P/O Item 2)68G3	
4	011E 20860	Lever	68G4
5	121E 20640	Magnet	68G5
6	-	Screw (P/O Item 2)	68G6
7	015K 79390	Lever and Bracket (Item 8,9)68G7	
8	-	Lever Bracket (P/O Item 7)68G8	
9	011K 99080	3b Lever	68G9
10	015K 79400	Rear Plate	68GB
11	059K 57700	Pinch Roll	68GC
12	-	Collar	68GD
13	-	Spring	68GE
14	-	Lever Shaft	68GF
15	-	Torsion Bar	68GG

PL 39.22

2 { 3-6
7 { 8,9



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PL 39.23 Gate Solenoid

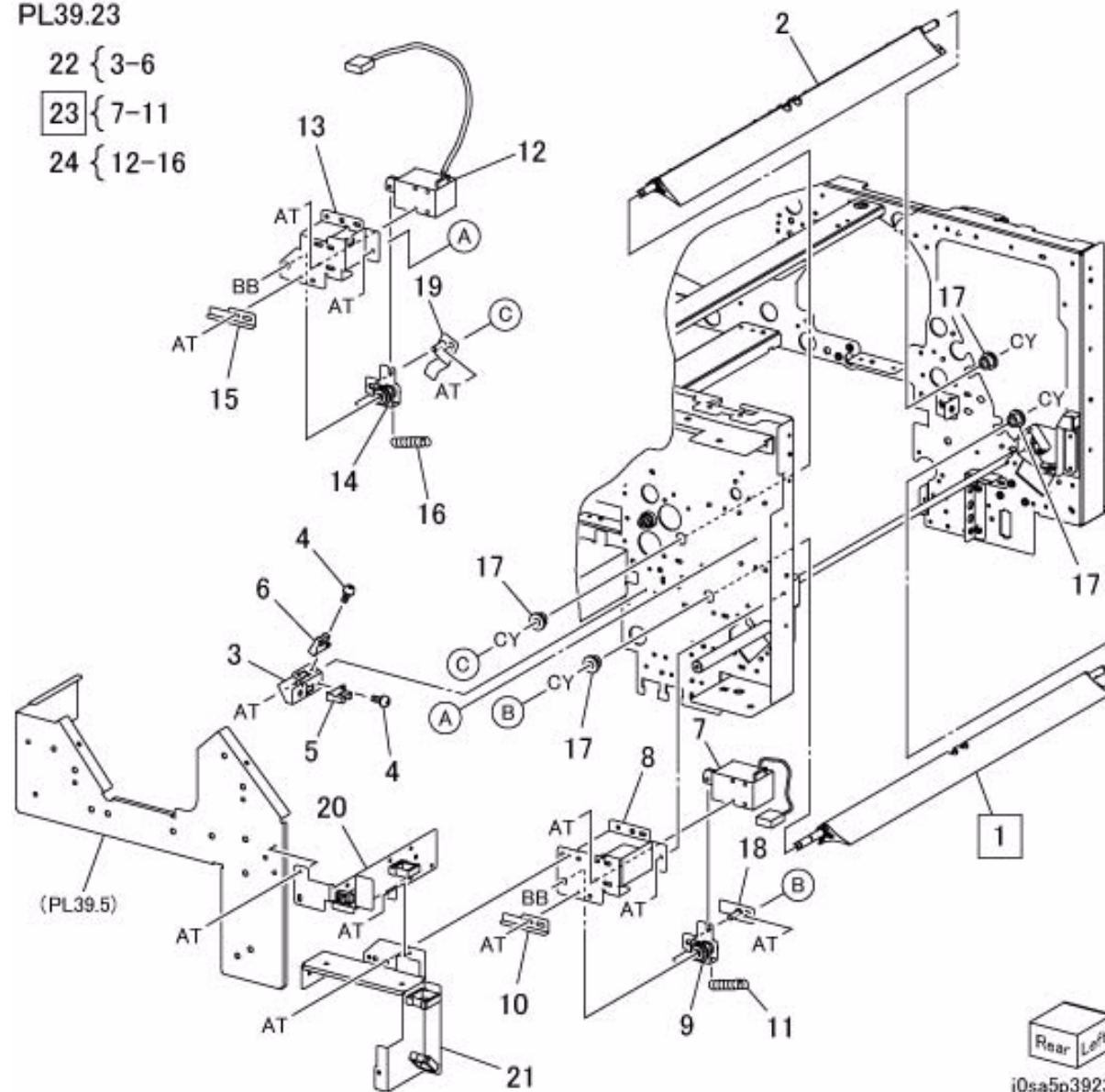
Item	Parts No	Description	A.C.
1	050K 62960	Gate 1(REP 39.23.1)	68H1
2	050K 62970	Gate 2	68H2
3	-	Sensor Bracket (P/O Item 22)68H3	
4	826E 39100	Screw	68H4
5	130E 94971	Gate Sensor 1	68H5
6	130E 94971	Gate Sensor 2	68H6
7	-	Gate Solenoid 1 (P/O Item 23)68H7	
8	-	Solenoid Bracket (P/O Item 23)68H8	
9	-	Solenoid Link (P/O Item 23)68H9	
10	-	Stopper Plate (P/O Item 23)68HB	
11	-	Spring (P/O Item 23) 68HC	
12	-	Gate Solenoid 2 (P/O Item 24)68HD	
13	-	Solenoid Bracket (P/O Item 24)68HE	
14	-	Solenoid Link (P/O Item 24)68HF	
15	-	Stopper Plate (P/O Item 24)68HG	
16	-	Spring (P/O Item 24) 68HH	
17	-	Bearing	68HJ
18	-	Gate Link	68HK
19	-	Gate Link	68HL
20	-	Harness Bracket	68HM
21	-	Harness Bracket	68HN
22	130K 72680	Gate Sensor and Bracket (Item 3-6)68HP	
23	012K 96520	Gate Solenoid 1 (Item 7-11)(REP 39.23.1)68HQ	
24	012K 96540	Gate Solenoid 2 (Item 12-16)68HR	

PL39.23

22 { 3-6

23 { 7-11

24 { 12-16



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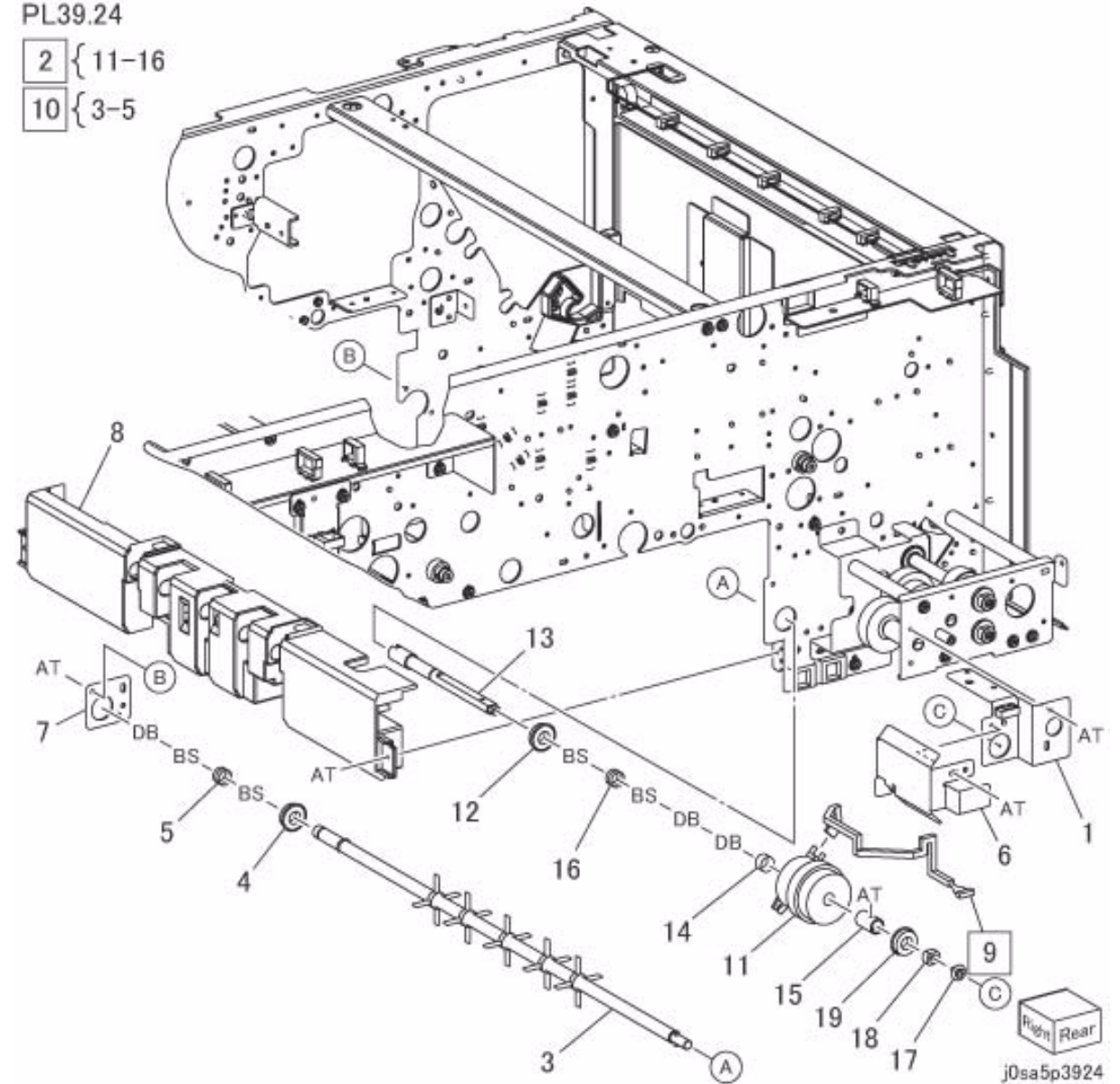
PL 39.24 Paddle

Item	Parts No	Description	A.C.
1	—	Clutch Bracket	68J1
2	005K 09420	Stacker Paddle Clutch (Item 11-16)(REP 39.24.1) 68J2	
3	—	Paddle (P/O Item 10)	68J3
4	013E 34440	Bearing	68J4
5	—	Spring (P/O Item 10)	68J5
6	—	Paddle Clutch Cover	68J6
7	815E 41400	Bearing Plate	68J7
8	054E 35251	Stacker Chute (Note)	68J8
9	962K 65750	(SCC) Clutch Wire Harness (REP 99.1.1)68J9	
10	033K 96781	Paddle (Item 3-5)(REP 39.24.2)68JB	
11	—	Stacker Paddle Clutch (P/O Item 2)68JC	
12	013E 34440	Bearing	68JD
13	—	Shaft (P/O Item 2)	68JE
14	—	Collar (P/O Item 2)	68JF
15	—	Collar (P/O Item 2)	68JG
16	—	Spring (P/O Item 2)	68JH
17	826E 38620	Screw	68JJ
18	005E 25221	Collar	68JK
19	013E 34440	Bearing	68JL

NOTE: As to Serial No. - 100121, When replacing Item 8, replace PL 39.25 - Item 3 simultaneously.

PL39.24

2 { 11-16
10 { 3-5

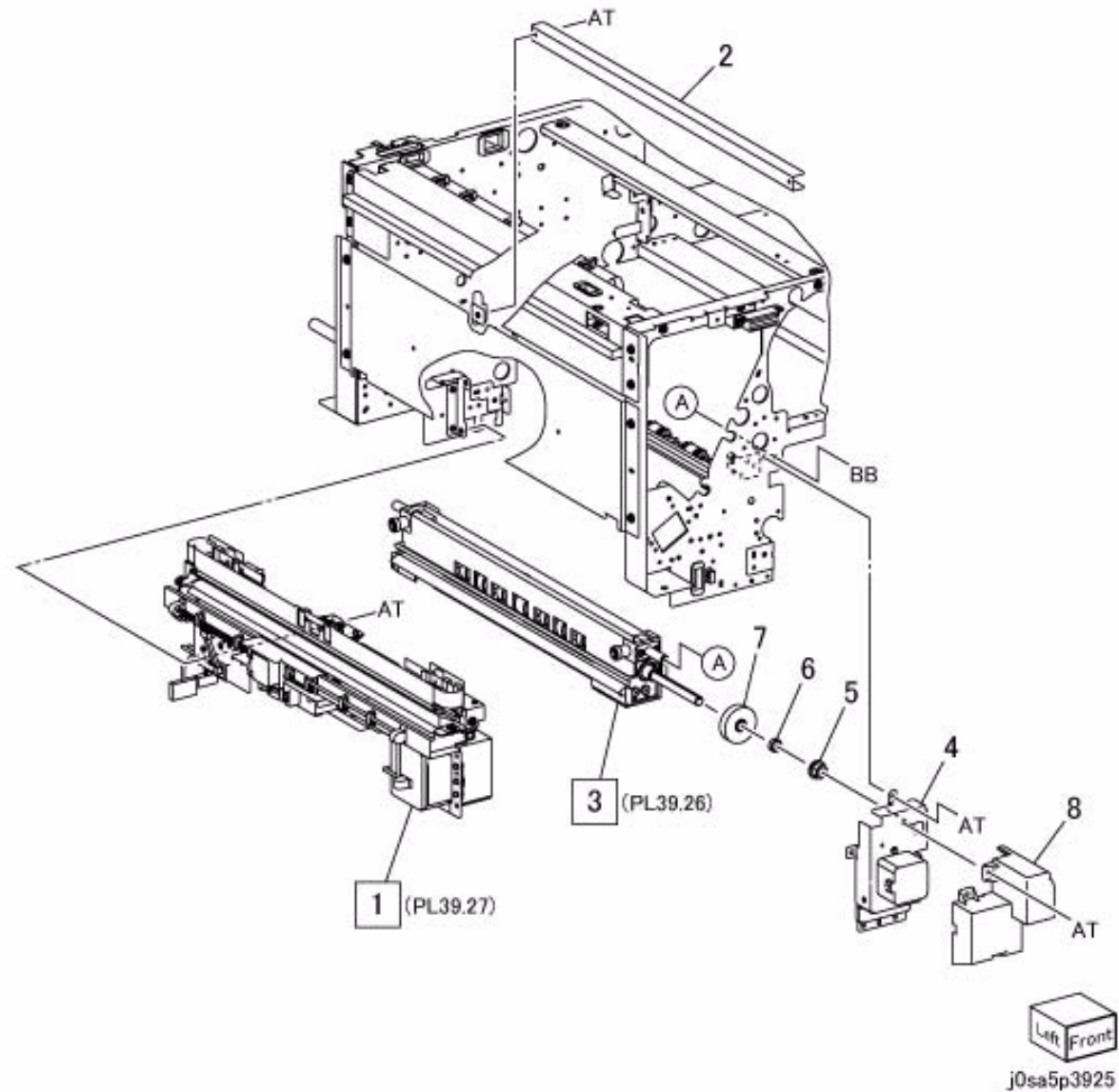


PL 39.25 Stacker Exit Roll Housing and Edge Sensor Frame

PL39.25

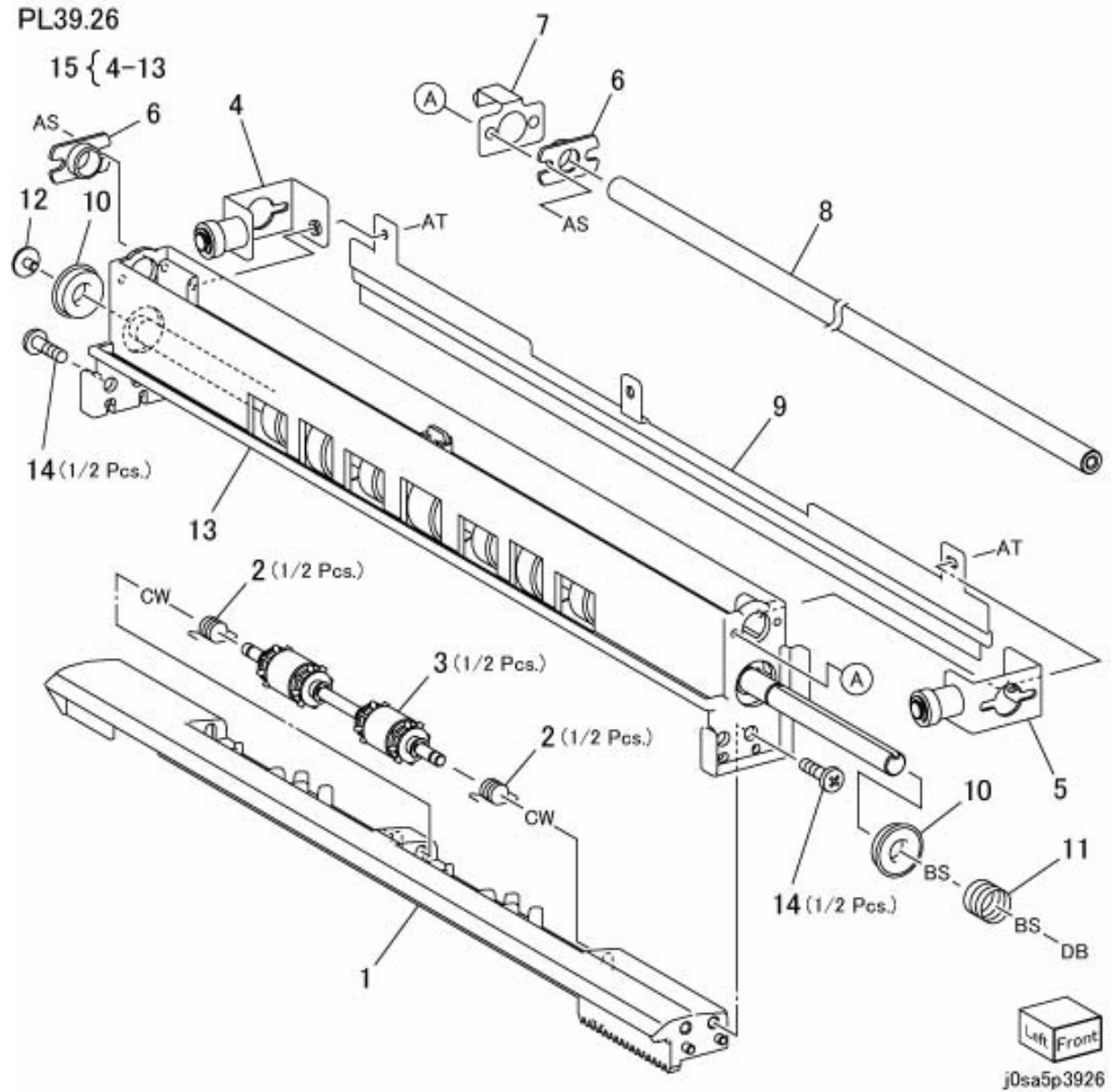
Item	Parts No	Description	A.C.
1	054K 35021	Edge Sensor Frame (PL 39.27)(REP 39.25.2)68K1	
2	-	Rail	68K2
3	059K 55403	Stacker Exit Roll Housing (Note)(PL 39.26)(REP 39.25.1)68K3	
4	068K 57431	Stacker Exit Motor	68K4
5	-	Bearing	68K5
6	005E 25580	Collar	68K6
7	-	Gear (SP31)	68K7
8	-	Motor Cover	68K8

NOTE: As to Serial No. - 100121, When replacing Item 3, replace PL 39.24 - Item 8 simultaneously.



PL 39.26 Stacker Exit Roll Housing Component

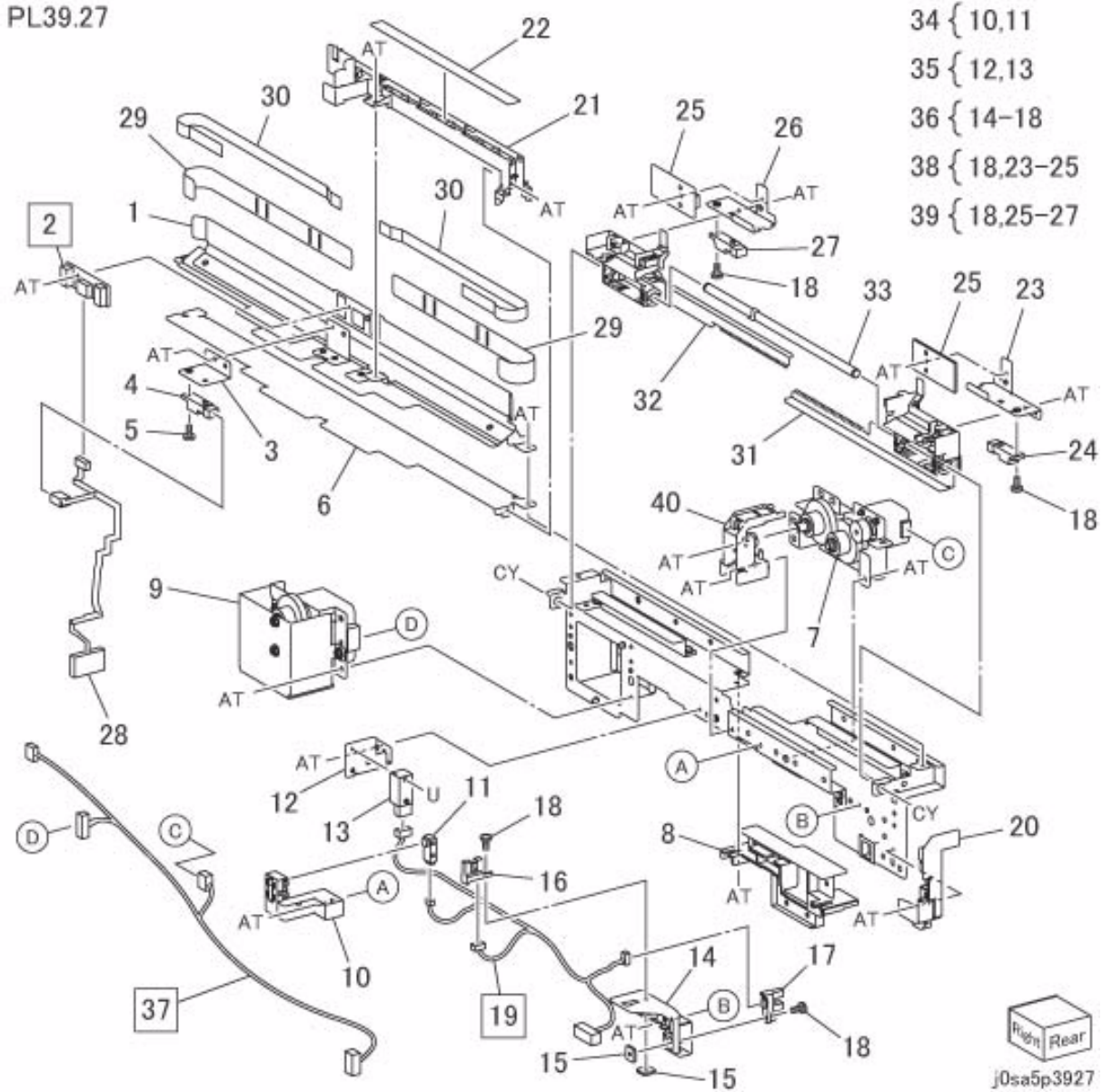
Item	Parts No	Description	A.C.
1	-	Lower Chute	68L1
2	-	Spring	68L2
3	059K 57611	Pinch Roll	68L3
4	068K 61570	Offset Roll (Rear)	68L4
5	068K 61580	Offset Roll (Front)	68L5
6	-	Bush (P/O Item 15)	68L6
7	-	Ground Plate (P/O Item 15)	68L7
8	-	Offset Shaft (P/O Item 15)	68L8
9	015K 79440	Eliminator	68L9
10	013E 34440	Bearing	68LB
11	-	Spring (P/O Item 15)	68LC
12	826E 38620	Screw	68LD
13	-	Stacker Exit Roll Housing (P/O Item 15)	68LE
14	-	Screw	68LF
15	801K 30322	Stacker Exit Roll Housing (Item 4-13)	68LG



PL 39.27 Edge Sensor Frame Component

Item	Parts No	Description	A.C.
1	-	Upper Chute	68M1
2	960K 32270	(SCC) Sensor A PWB (REP 99.1.1)	68M2
3	-	Sensor Bracket	68M3
4	930W 00211	Stacker Exit Sensor	68M4
5	826E 39100	Screw	68M5
6	-	Lower Chute	68M6
7	068K 61481	Edge Sensor Move Motor	68M7
8	-	Harness Guide	68M8
9	068K 57451	Stacker Exit Roll Offset Motor	68M9
10	-	Sensor Bracket (P/O Item 34)	68MB
11	-	Height Sensor Lead-L (P/O Item 34)	68MC
12	-	Sensor Bracket (P/O Item 35)	68MD
13	-	Stack Height Control Sensor (P/O Item 35)	68ME
14	-	Sensor Bracket (P/O Item 36)	68MF
15	-	Nut Plate (P/O Item 36)	68MG
16	130E 94971	Stacker Exit Roll Home Sensor	68MH
17	130E 94971	Paper Edge Home Sensor	68MJ
18	-	Screw	68MK
19	962K 65720	(SCC) Sensor Wire Harness (REP 99.1.1)	68ML
20	-	Harness Guide	68MM
21	-	Harness Guide	68MN
22	-	Sheet	68MP
23	-	Sensor Bracket (P/O Item 38)	68MQ
24	930W 00211	Rear Paper Edge Sensor	68MR
25	-	Sensor B PWB (P/O Item 38 or Item 39)	68MS
26	-	Sensor Bracket (P/O Item 39)	68MT
27	930W 00211	Front Paper Edge Sensor	68MV
28	-	Sensor Wire Harness	68MW
29	032E 28730	Flexible Print Cable Guide	68MX
30	-	Flexible Print Cable	68N1
31	068K 61490	Rear Rack Gear	68N2
32	068K 61500	Front Rack Gear	68N3
33	-	Guide Shaft	68N4
34	130K 72590	Height Sensor Lead-L and Bracket (Item 10, 11)	68N5
35	130K 72600	Stack Height Control Sensor and Bracket (Item 12, 13)	68N6
36	130K 72610	Sensor and Bracket (Item 14-18)	68N7
37	962K 65680	(SCC) Motor Wire Harness (REP 99.1.1)	68N8
38	130K 72620	Rear Paper Edge Sensor and PWB (Item 18, 23-25)	68N9
39	130K 72630	Front Paper Edge Sensor and PWB (Item 18, 25-27)	68NB
40	-	Rack Bracket	68NC

PL39.27



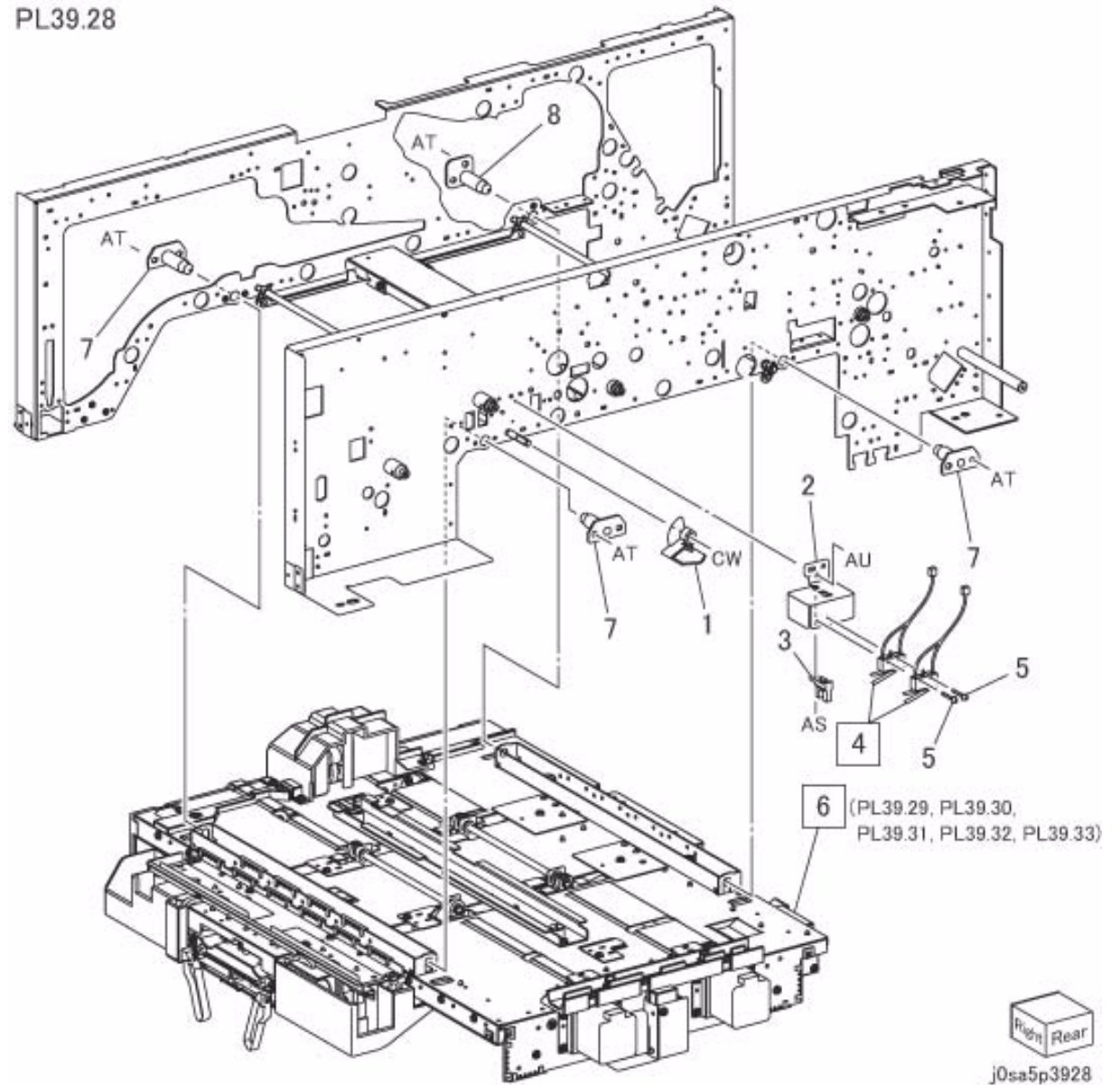
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- 35 { 12,13
- 36 { 14-18
- 38 { 18,23-25
- 39 { 18,25-27

Right Rear
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PL 39.28 Tamper Unit

Item	Parts No	Description	A.C.
1	120E 29800	Actuator	68P1
2	—	Sensor Bracket	68P2
3	130E 94971	Stacker Upper Limit Sensor	68P3
4	962K 65860	(SCC) Stacker Upper Limit Switch (1set : 2)(REP 99.1.1)	68P4
5	—	Screw	68P5
6	038K 18345	Tamper Unit (PL 39.29, PL 39.30, PL 39.31, PL 39.32, PL 39.33)(REP 39.28.1)	68P6
7	—	Pin Bracket	68P7
8	—	Pin Bracket	68P8

PL39.28



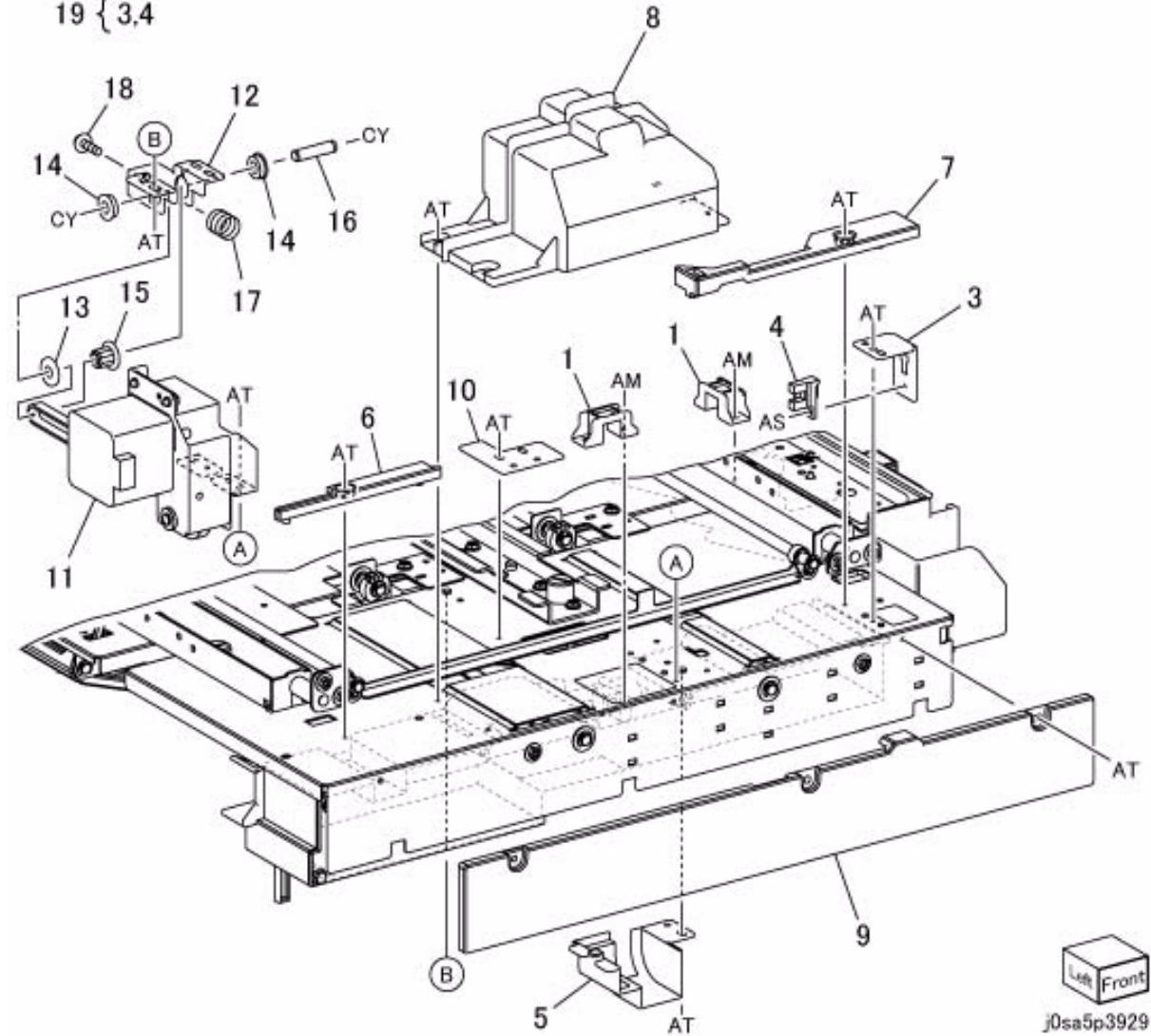
PL 39.29 Front Tamper Motor

Item	Parts No	Description	A.C.
1	-	Belt Clamp	68Q1
2	068K 57690	Front Tamper Motor (Item 11-18)(REP 39.29.1)68Q2	
3	-	Sensor Bracket (P/O Item 19)68Q3	
4	130E 94971	Front Tamper Home Sensor 68Q4	
5	-	Gear Cover	68Q5
6	-	Upper Left Cover	68Q6
7	-	Upper Right Cover	68Q7
8	-	Motor Cover	68Q8
9	-	Front Cover	68Q9
10	-	Plate	68QB
11	-	Front Tamper Motor (P/O Item 2)68QC	
12	-	Bracket (P/O Item 2)	68QD
13	005E 25610	Flange	68QE
14	-	Bearing (P/O Item 2)	68QF
15	020E 45490	Pulley	68QG
16	-	Shaft (P/O Item 2)	68QH
17	-	Spring (P/O Item 2)	68QJ
18	-	Screw (P/O Item 2)	68QK
19	068K 57720	Front Tamper Home Sensor and Bracket (Item 3, 4) 68QL	

PL39.29

2 { 11-18

19 { 3,4

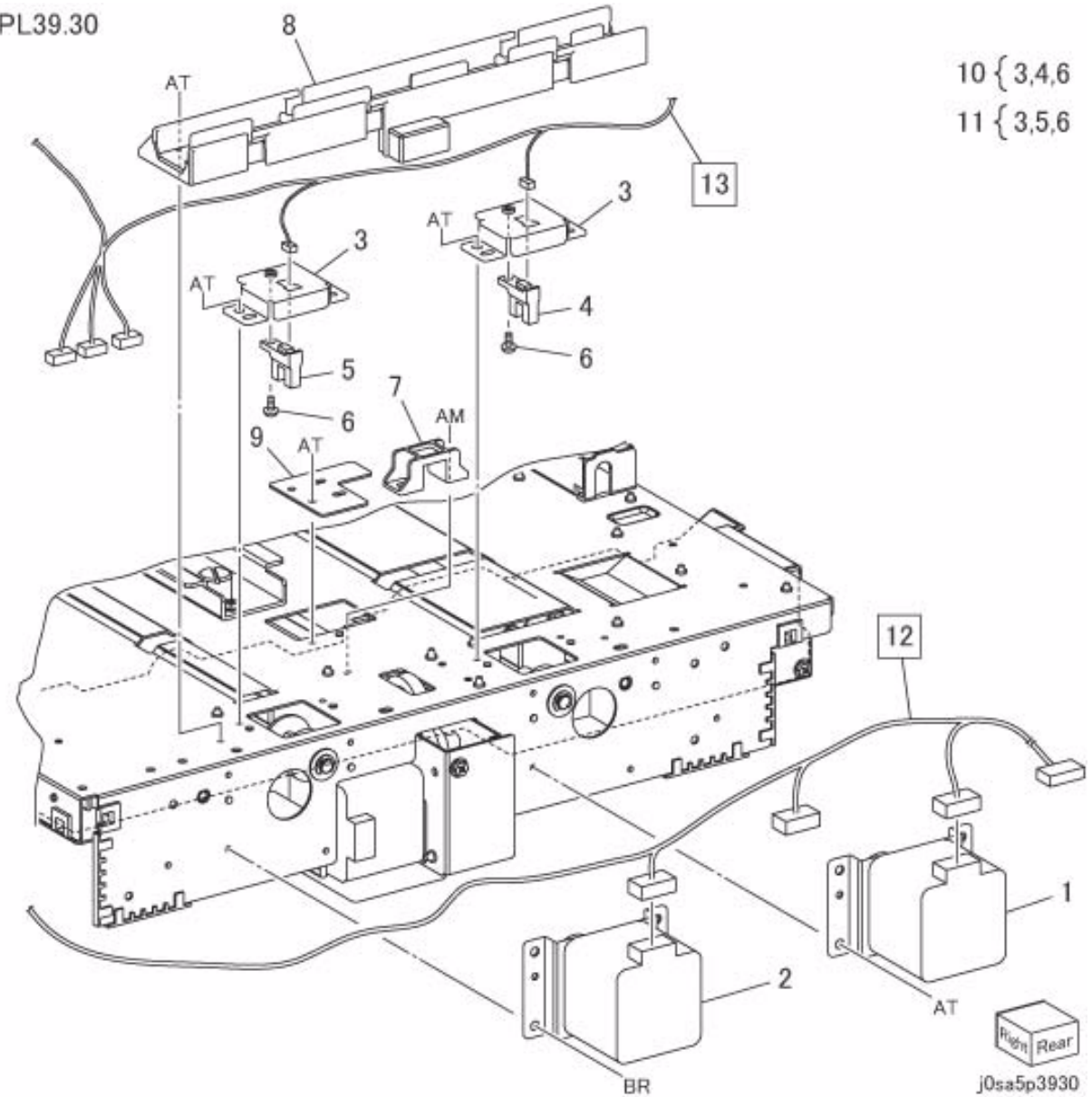


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PL 39.30 Side Tamper Extension Motor , Pad Move Motor

Item	Parts No	Description	A.C.
1	068K 57530	Side Tamper Extension Motor	68R1
2	068K 57530	Pad Move Motor	68R2
3	-	Sensor Bracket (P/O Item 10 or Item 11)	68R3
4	130E 94971	Side Tamper Extension Home Sensor	68R4
5	130E 94971	Pad Move Home Sensor	68R5
6	-	Screw (P/O Item 10 or Item 11)	68R6
7	-	Belt Clamp	68R7
8	-	Harness Guide	68R8
9	-	Plate	68R9
10	068K 57550	Side Tamper Extension Home Sensor and Bracket (Item 3, 4, 6)	68RB
11	068K 57550	Pad Move Home Sensor and Bracket (Item 3, 5, 6)	68RC
12	962K 65670	(SCC) Motor Wire Harness (REP 99.1.1)	68RD
13	962K 65790	(SCC) Sensor Wire Harness (REP 99.1.1)	68RE

PL39.30



10 { 3,4,6
11 { 3,5,6

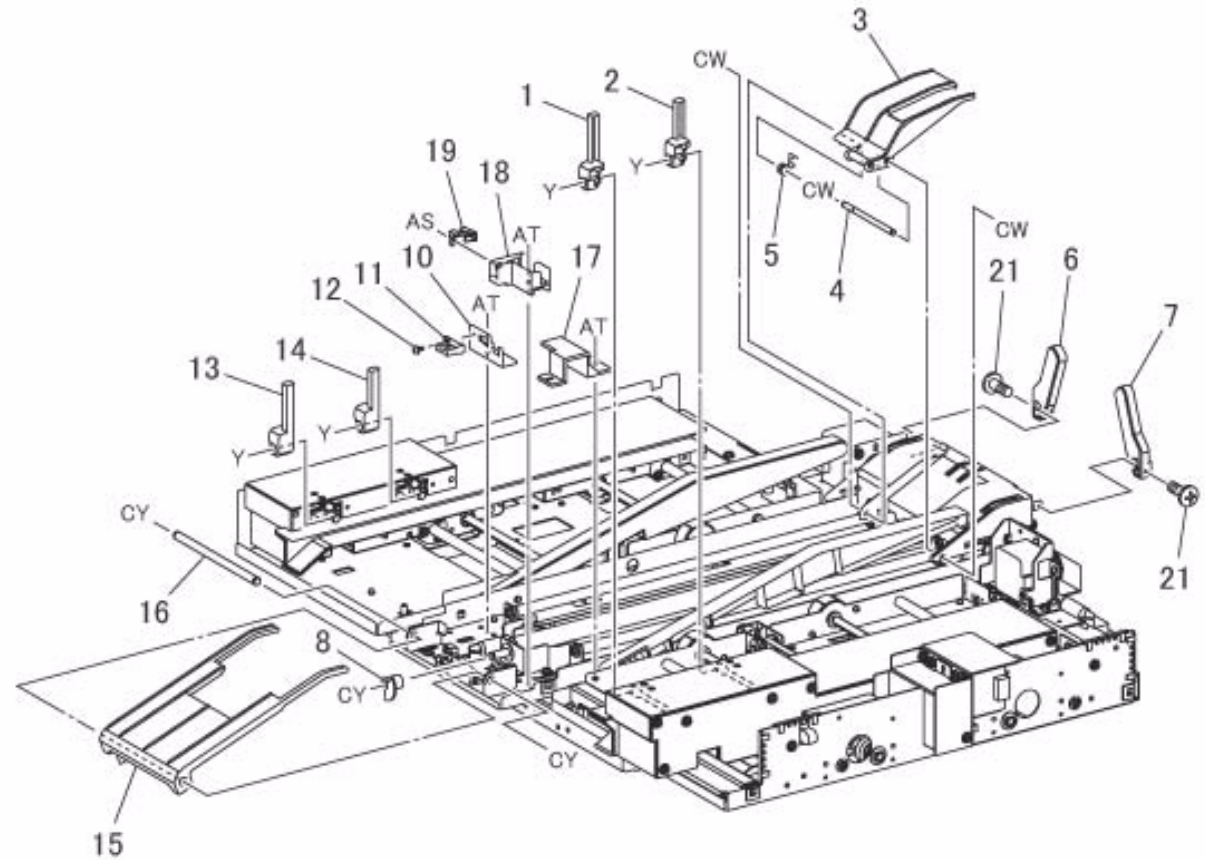
PL 39.31 Extension Pad

Item	Parts No	Description	A.C.
1	019E 70290	Extension Pad (Left)	68S1
2	019E 71430	Extension Pad (Right)	68S2
3	019K 09740	Clamper	68S3
4	-	Clamper Shaft	68S4
5	-	Spring	68S5
6	019E 70301	Extension Pad (Front)	68S6
7	019E 70311	Extension Pad (Rear)	68S7
8	-	Actuator	68S8
9	130K 72670	Set Clamper Home Sensor and Bracket (Item 18, 19)	68S9
10	-	Sensor Bracket (P/O Item 20)	68SB
11	130E 94971	Stacker Up Curl Sensor	68SC
12	-	Screw (P/O Item 20)	68SD
13	019E 70320	Extension Pad (Left)	68SE
14	019E 71420	Extension Pad (Right)	68SF
15	004E 17610	Damper	68SG
16	-	Damper Shaft	68SH
17	-	Harness Cover	68SJ
18	-	Sensor Bracket (P/O Item 9)	68SK
19	130E 94971	Set Clamper Home Sensor	68SL
20	130K 72420	Stacker Up Curl Sensor and Bracket (Item 10-12)	68SM
21	-	Screw	68SN

PL39.31

9 { 18,19

20 { 10-12



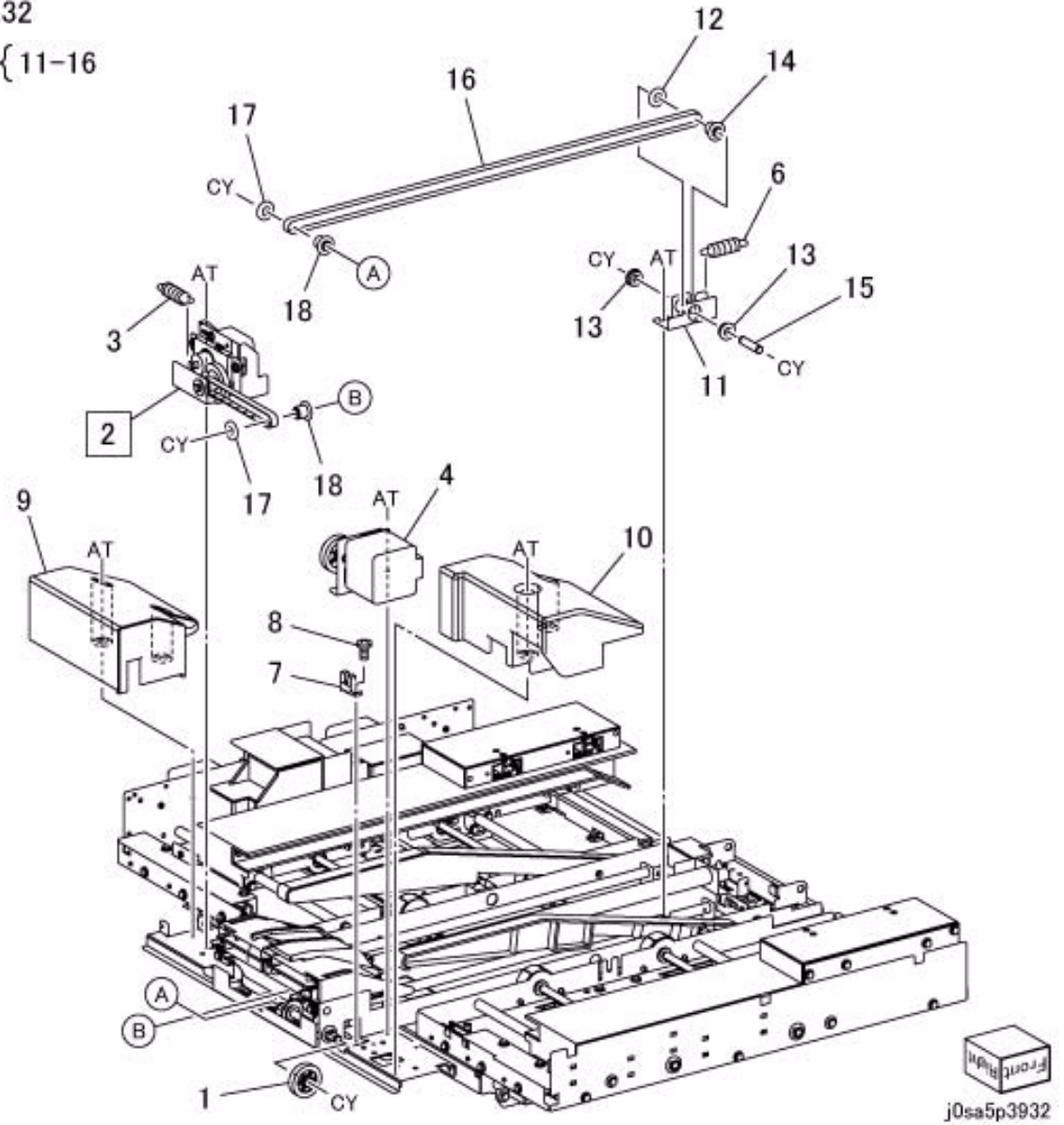
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PL 39.32 Set Clamp Motor , Lead Tamper Motor

Item	Parts No	Description	A.C.
1	807E 21870	Gear (SP25)	68T1
2	068K 57610	Set Clamp Motor (REP 39.32.1)	68T2
3	-	Spring	68T3
4	068K 57630	Lead Tamper Motor	68T4
5	068K 57650	Pulley Bracket and Belt (Item 11-16)	68T5
6	-	Spring	68T6
7	130E 94971	Lead Tamper Home Sensor	68T7
8	-	Screw	68T8
9	-	Motor Cover	68T9
10	-	Motor Cover	68TB
11	-	Bracket (P/O Item 5)	68TC
12	005E 25610	Flange	68TD
13	-	Bearing (P/O Item 5)	68TE
14	020E 45490	Pulley	68TF
15	-	Shaft (P/O Item 5)	68TG
16	-	Belt (P/O Item 5)	68TH
17	005E 25610	Flange	68TJ
18	020E 45490	Pulley	68TK

PL39.32

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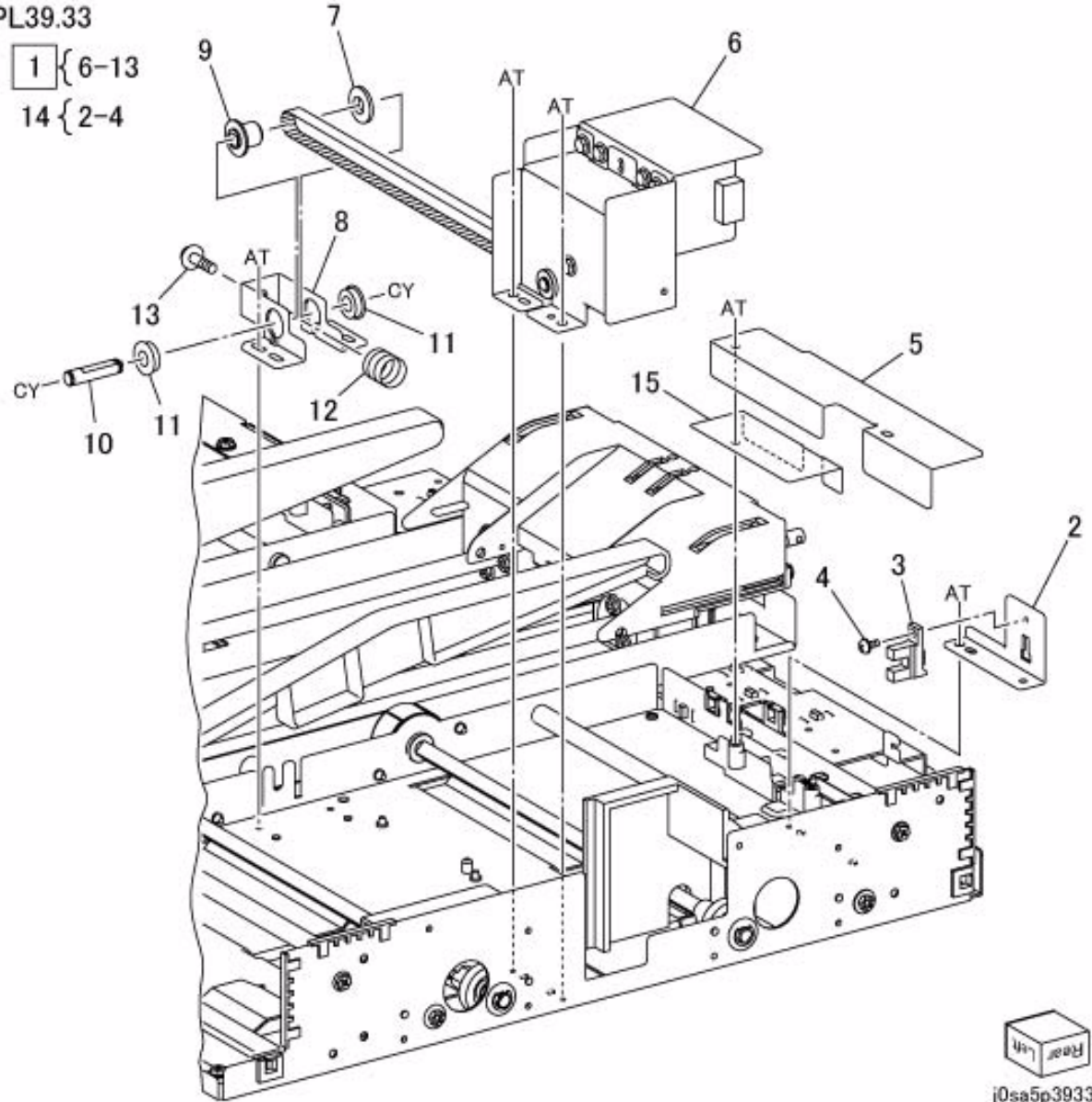
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PL 39.33 Rear Tamper Motor

Item	Parts No	Description	A.C.
1	068K 57500	Rear Tamper Motor (Item 6-13)(REP 39.33.1)68V1	
2	-	Sensor Bracket (P/O Item 14)68V2	
3	130E 94971	Rear Tamper Home Sensor68V3	
4	-	Screw (P/O Item 14) 68V4	
5	-	Harness Cover 68V5	
6	-	Rear Tamper Motor (P/O Item 1)68V6	
7	005E 25610	Flange 68V7	
8	-	Bracket (P/O Item 1) 68V8	
9	020E 45490	Pulley 68V9	
10	-	Shaft (P/O Item 1) 68VB	
11	-	Bearing (P/O Item 1) 68VC	
12	-	Spring (P/O Item 1) 68VD	
13	-	Screw (P/O Item 1) 68VE	
14	068K 57560	Rear Tamper Home Sensor and Bracket (Item 2-4) 68VF	
15	-	Edge Guard 68VG	

PL39.33

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14 { 2-4



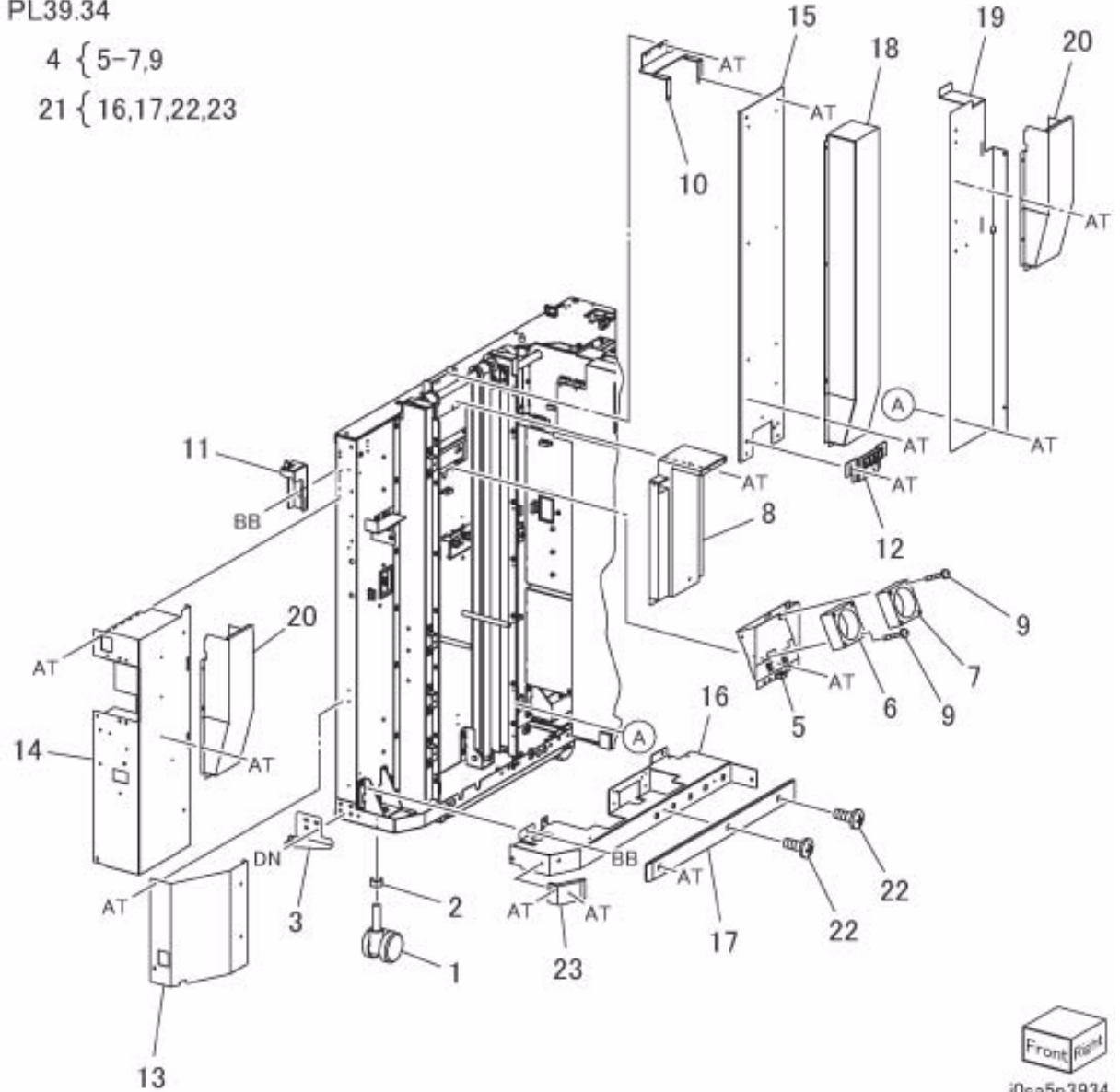
PL 39.34 Stacker-Left

Item	Parts No	Description	A.C.
1	017E 12140	Caster	68W1
2	027E 93430	Nut	68W2
3	068K 59820	Hinge	68W3
4	068K 57931	Paper Fan 1/2and Duct (Item 5-7, 9)68W4	
5	-	Bracket (P/O Item 4)	68W5
6	-	Paper Fan 1 (P/O Item 4)68W6	
7	-	Paper Fan 2 (P/O Item 4)68W7	
8	-	Duct	68W8
9	-	Screw (P/O Item 4)	68W9
10	-	Bracket	68WB
11	068K 59830	Hinge	68WC
12	130K 72430	Stacker NO Paper Sensor68WD	
13	-	Stacker Left Lower Cover68WE	
14	-	Stacker Left Front Cover 68WF	
15	-	Stacker Left Center Cover68WG	
16	-	Stacker Left Lower Frame (P/O Item 21)68WH	
17	-	Dolly Rail (P/O Item 21)	68WJ
18	-	Duct	68WK
19	-	Stacker Left Rear Cover 68WL	
20	-	Duct	68WM
21	032K 05570	Stacker Left Lower Frame and Dolly Rail (Item 16, 17,22,23)68WN	
22	-	Shoulder Screw (P/O Item 21)	68WP
23	-	Base Cover (P/O Item 21)68WQ	

PL39.34

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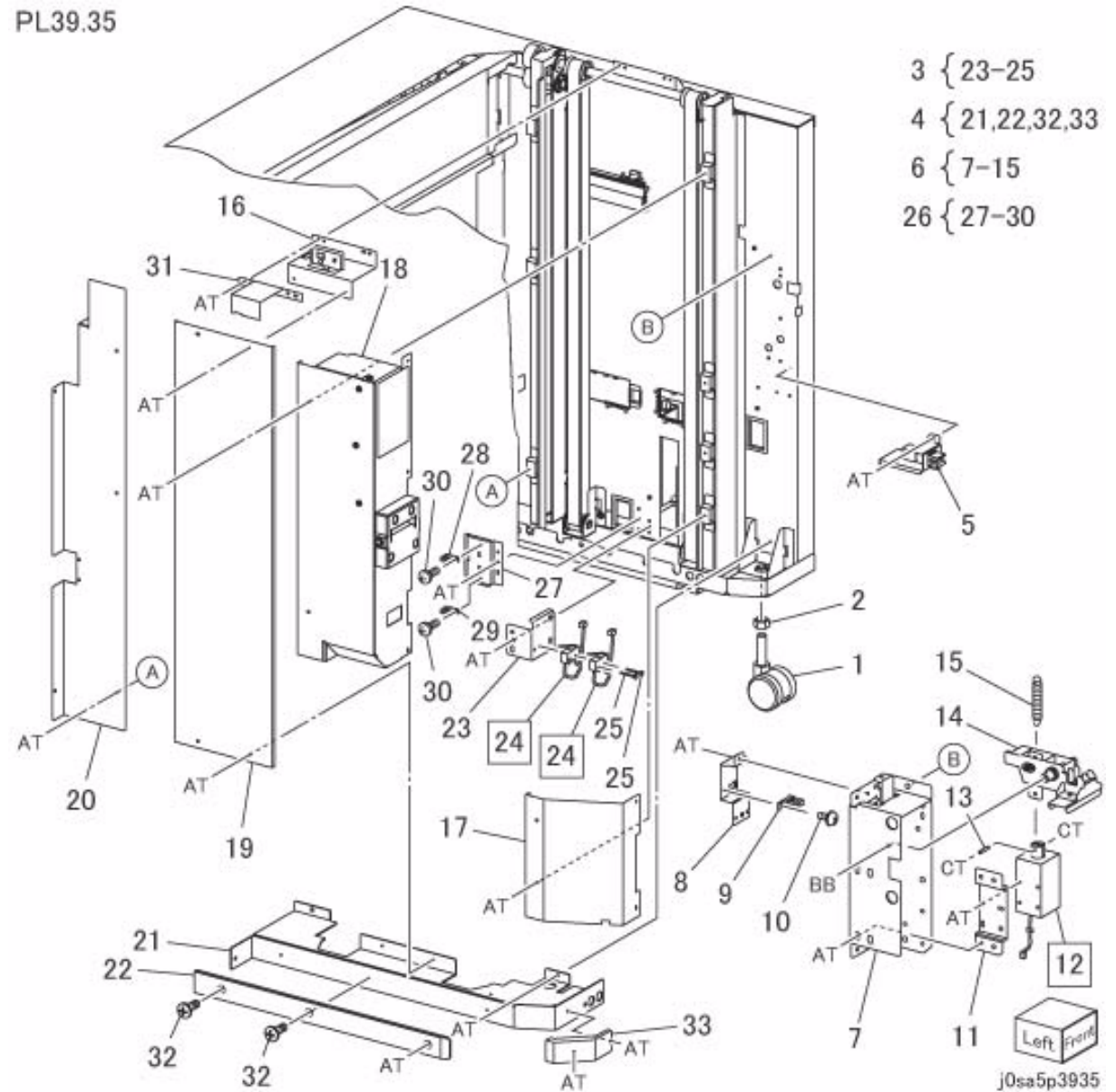


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PL 39.35 Stacker-Right

Item	Parts No	Description	A.C.
1	017E 12140	Caster	68X1
2	027E 93430	Nut	68X2
3	068K 57840	Stacker Lower Limit Switch and Bracket (Item 23-25)	68X3
4	032K 05560	Stacker Right Lower Frame and Dolly Rail (Item 21, 22,32,33)68X4	
5	068K 57890	HCS Front Door Switch	68X5
6	003K 15920	Front Door Lock (Item 7-15)68X6	
7	-	Front Door Lock Bracket (P/O Item 6)68X7	
8	-	Sensor Bracket (P/O Item 6)68X8	
9	130E 94971	Front Door Lock Sensor	68X9
10	-	Screw (P/O Item 6)	68XB
11	-	Solenoid Bracket (P/O Item 6)68XC	
12	121K 41530	(SCC) Front Door Lock Solenoid (REP 99.1.1)68XD	
13	-	Pin (P/O Item 6)	68XE
14	-	Latch (P/O Item 6)	68XF
15	-	Spring (P/O Item 6)	68XG
16	068K 57911	Height Sensor Lead-P	68XH
17	-	Stacker Right Lower Cover68XJ	
18	-	Stacker Right Front Cover68XK	
19	-	Stacker Right Center Cover68XL	
20	-	Stacker Right Rear Cover68XM	
21	-	Stacker Right Lower Frame (P/O Item 4)68XN	
22	-	Dolly Rail (P/O Item 4)	68XP
23	-	Sensor Bracket (P/O Item 3)68XQ	
24	962K 65860	(SCC) Stacker Lower Limit Switch (REP 99.1.1)68XR	
25	-	Screw (P/O Item 3)	68XS
26	068K 62170	Stacker Full/Dolly Set Position Sensor and Bracket (Item 27-30)68XT	
27	-	Sensor Bracket (P/O Item 26)68XV	
28	130E 94971	Stacker Full Sensor	68XW
29	130E 94971	Dolly Set Position Sensor68XX	
30	-	Screw (P/O Item 26)	68Y1
31	-	Bracket	68Y2
32	-	Shoulder Screw (P/O Item 4)68Y3	
33	-	Base Cover (P/O Item 4)	68Y4

PL39.35



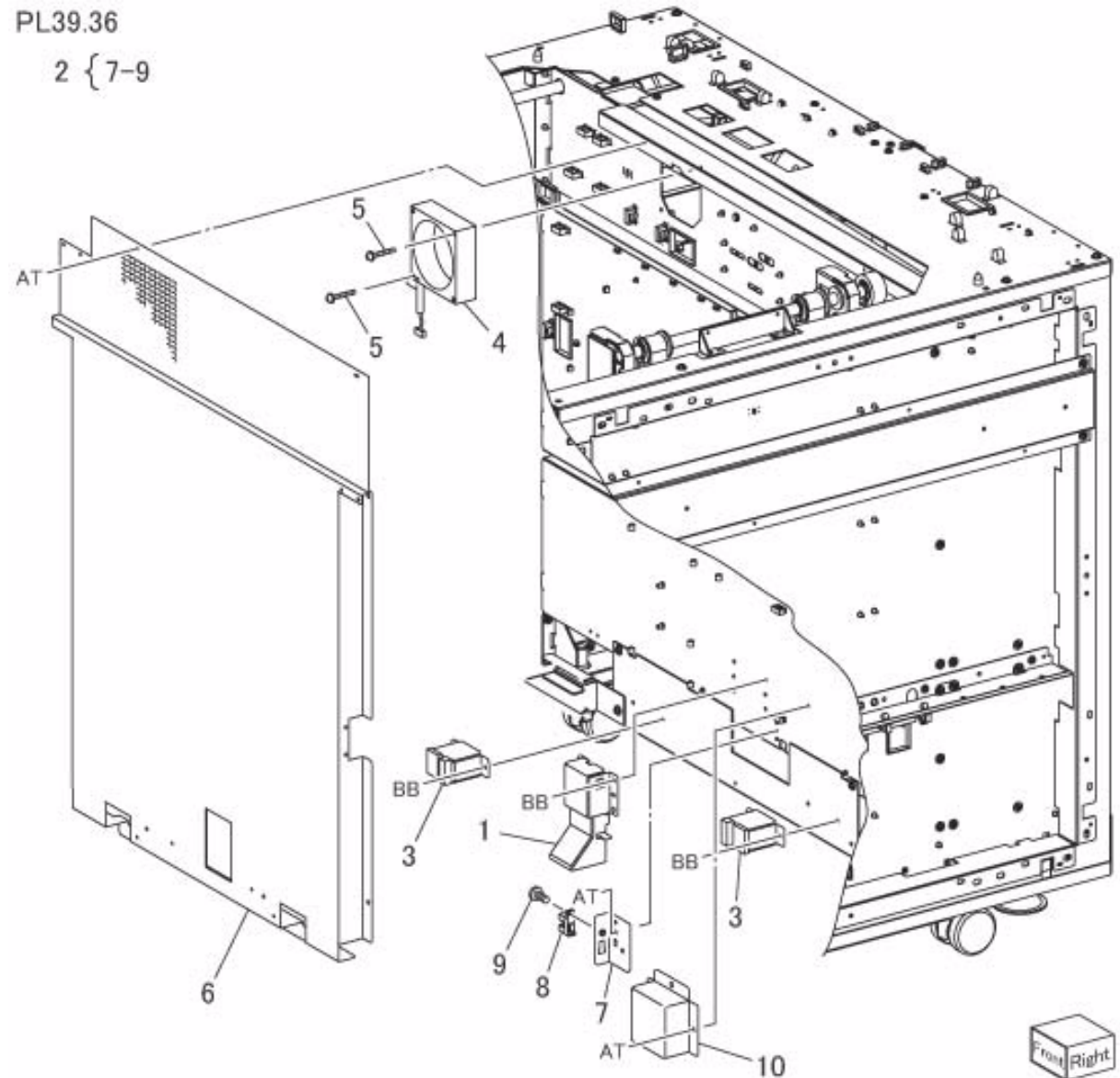
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PL 39.36 Stacker-Rear

Item	Parts No	Description	A.C.
1	068K 61850	Tray Set Lever	69B1
2	068K 57880	Tray Set Sensor and Bracket (Item 7-9)69B2	
3	068K 57920	Dolly Stopper	69B3
4	927W 00335	Lower Fan	69B4
5	-	Screw	69B5
6	-	Stacker Rear Cover	69B6
7	-	Sensor Bracket (P/O Item 2)69B7	
8	130E 94971	Tray Set Sensor	69B8
9	-	Screw (P/O Item 2)	69B9
10	-	Sensor Cover	69BB

PL39.36

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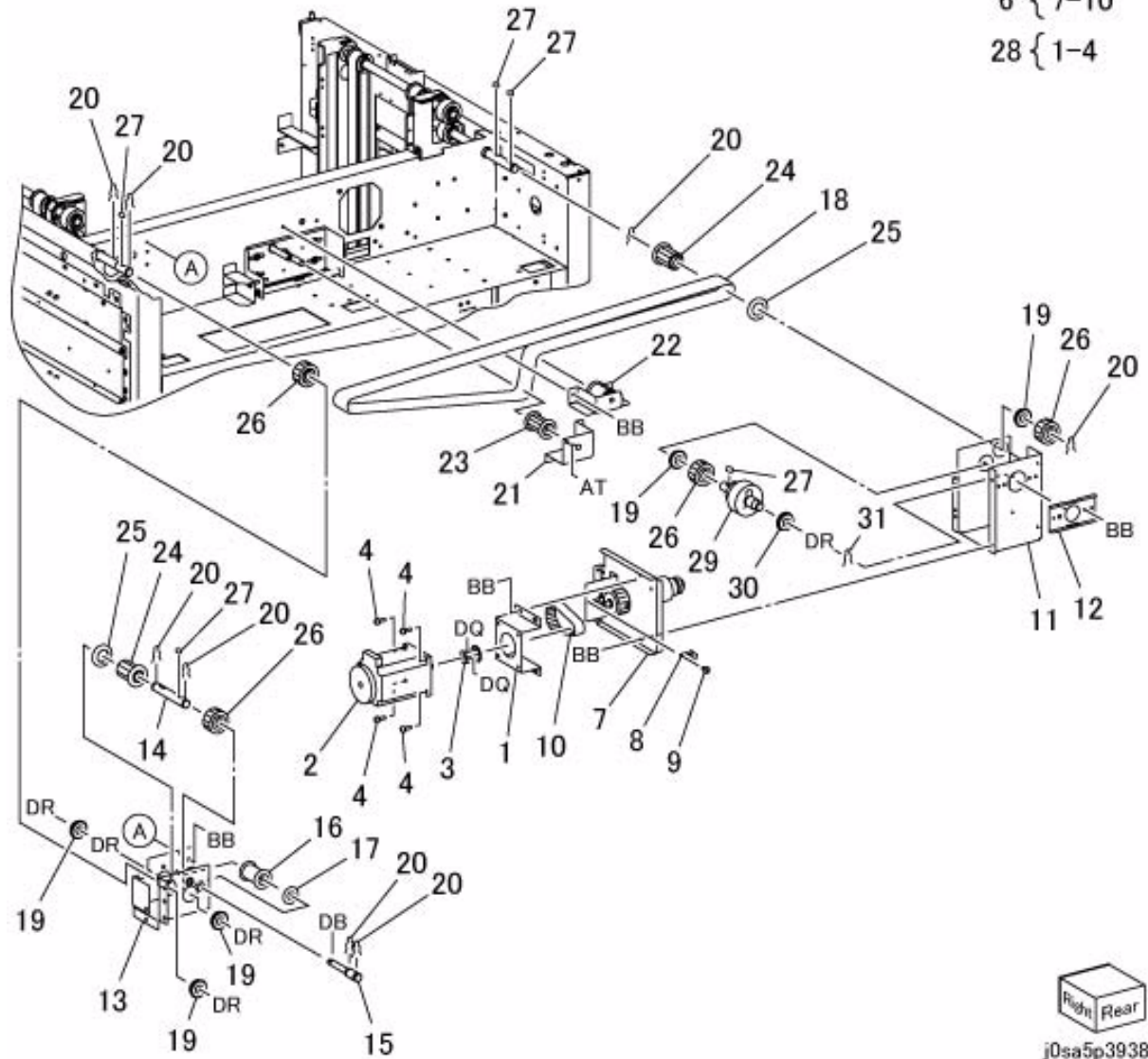


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PL 39.38 Stacker Elevator-Rear

Item	Parts No	Description	A.C.
1	-	Motor Bracket (P/O Item 28)69D1	
2	-	Elevator Motor (P/O Item 28)69D2	
3	-	Pulley (P/O Item 28) 69D3	
4	-	Screw (P/O Item 28) 69D4	
5	020K 15820	Worm Wheel (Item 29-31)69D5	
6	006K 86630	Worm Gear and Bracket (Item 7-10)69D6	
7	-	Worm Gear and Bracket (P/O Item 6)69D7	
8	130E 94971	Elevator Encoder Sensor69D8	
9	-	Screw (P/O Item 6) 69D9	
10	023E 27170	Belt6 69DB	
11	-	Bracket 69DC	
12	-	Bearing Bracket 69DD	
13	-	Bracket 69DE	
14	-	Gear Pulley Shaft 69DF	
15	-	Stud 69DG	
16	-	Idler Roll 69DH	
17	-	Collar 69DJ	
18	023E 26960	Belt 69DK	
19	013E 33590	Bearing 69DL	
20	029E 45840	Clip 69DM	
21	-	Tension Bracket 69DN	
22	-	Idler and Bracket 69DP	
23	-	Pulley 69DQ	
24	020E 45980	Pulley 69DR	
25	005E 26660	Flange 69DS	
26	807E 21920	Gear (SP20) 69DT	
27	003E 76291	Key 69DV	
28	068K 57810	Elevator Motor (Item 1-4)69DW	
29	-	Worm Wheel (P/O Item 5)69DX	
30	013E 33590	Bearing 69E1	
31	029E 45840	Clip 69E2	

PL39.38



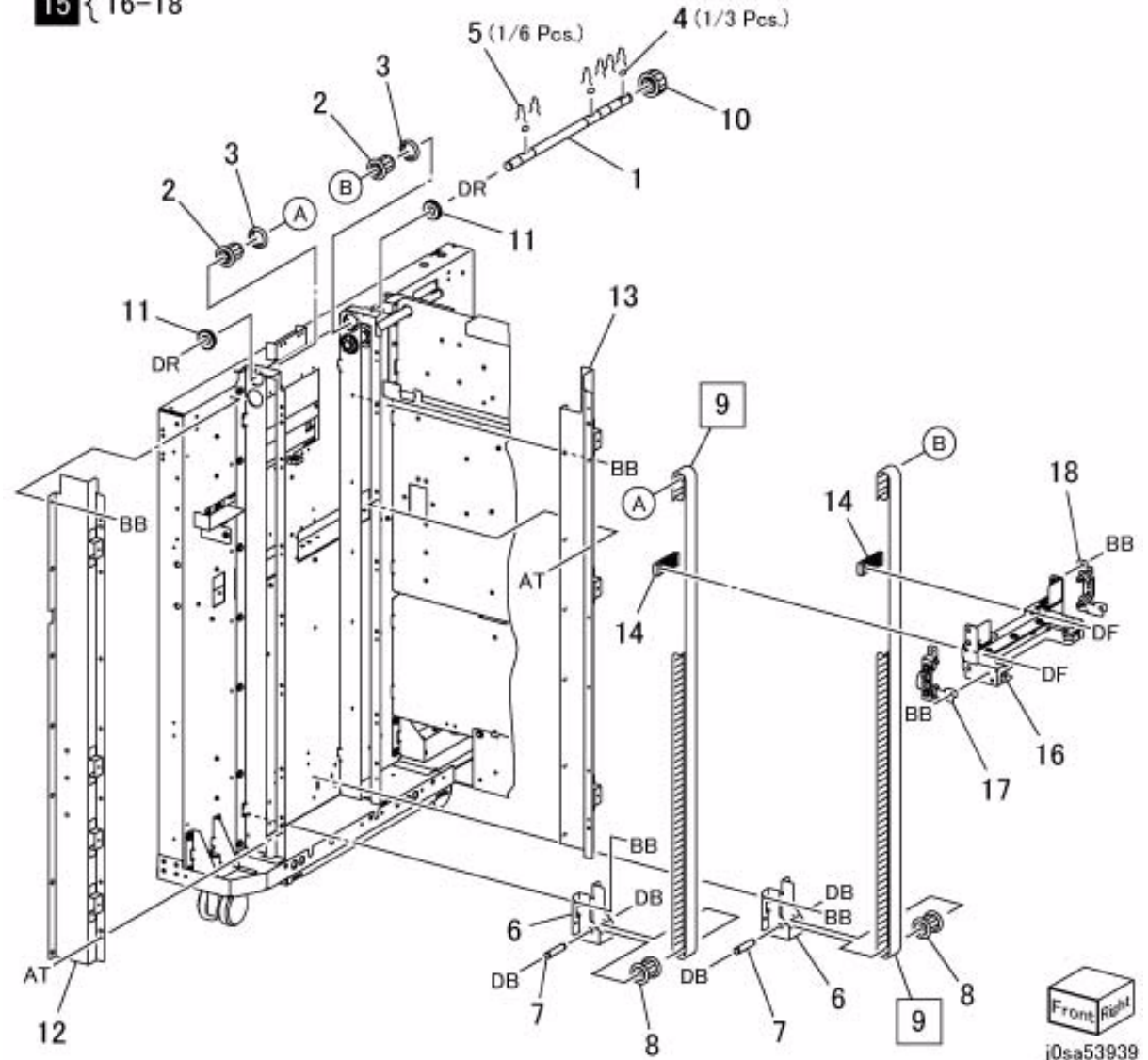
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- 6 { 7-10
- 28 { 1-4

PL 39.39 Stacker Elevator-Left

Item	Parts No	Description	A.C.
1	-	Shaft	69F1
2	020E 45560	Pulley	69F2
3	005E 25620	Flange	69F3
4	003E 76291	Key	69F4
5	029E 45840	Clip	69F5
6	-	Pulley Bracket	69F6
7	-	Shaft	69F7
8	-	Pulley	69F8
9	023E 26970	Left Stacker Belt (REP 39.39.1)69F9	
10	-	Gear (SP20)	69FB
11	013E 33590	Bearing	69FC
12	-	Front Rail Support	69FD
13	-	Rear Rail Support	69FE
14	-	Belt Clamp	69FF
15	031K 93730	Left Tray Arm (Item 16-18)(ADJ 39.39.1)69FG	
16	-	Left Tray Arm (P/O Item 15)69FH	
17	-	Front Guide (P/O Item 15)69FJ	
18	-	Rear Guide (P/O Item 15)69FK	

PL39.39

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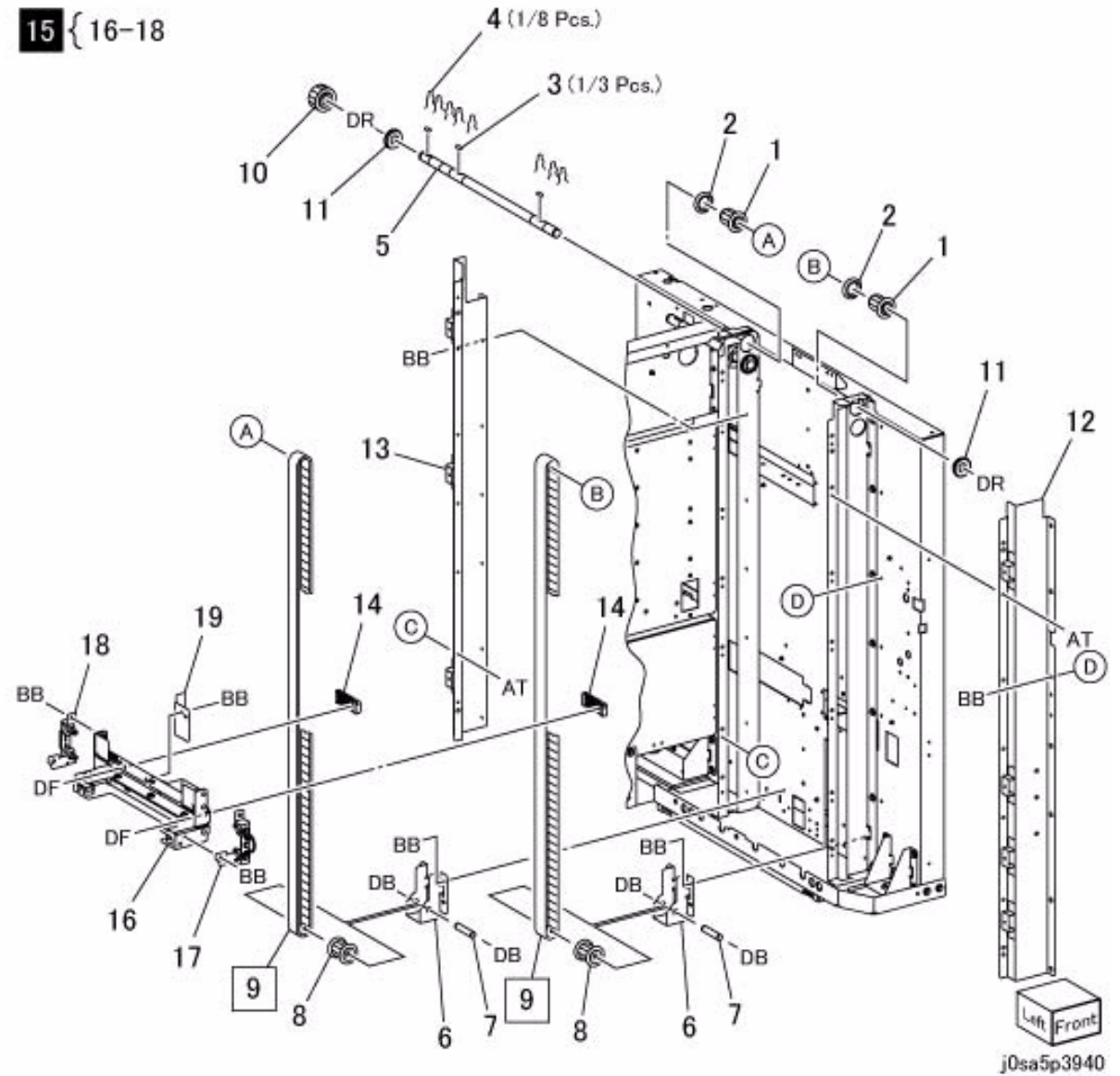
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PL 39.40 Stacker Elevator-Right

Item	Parts No	Description	A.C.
1	020E 45560	Pulley	69G1
2	005E 25620	Flange	69G2
3	003E 76291	Key	69G3
4	029E 45840	Clip	69G4
5	-	Shaft	69G5
6	-	Pulley Bracket	69G6
7	-	Shaft	69G7
8	-	Pulley	69G8
9	023E 26970	Right Stacker Belt (REP 39.40.1)69G9	
10	-	Gear (SP20)	69GB
11	013E 33590	Bearing	69GC
12	-	Front Rail Support	69GD
13	-	Rear Rail Support	69GE
14	-	Belt Clamp	69GF
15	031K 93760	Right Tray Arm (Item 16-18)(ADJ 39.39.1)69GG	
16	-	Right Tray Arm (P/O Item 15)69GH	
17	-	Front Guide (P/O Item 15)69GJ	
18	-	Rear Guide (P/O Item 15)69GK	
19	-	Actuator	69GL

PL39.40

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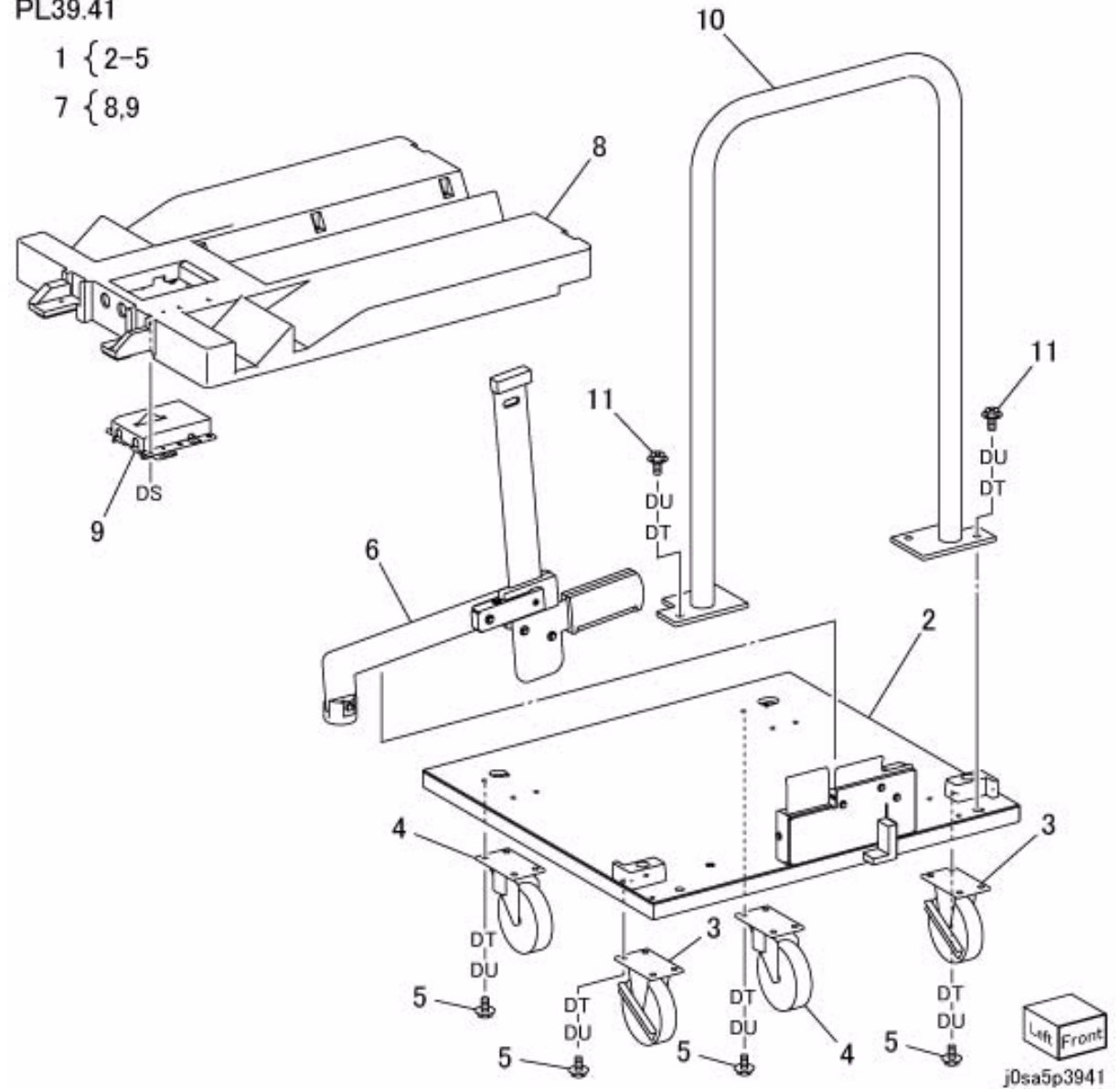
PL 39.41 Dolly

Item	Parts No	Description	A.C.
1	801K 30440	Dolly (Item 2-5)	69H1
2	-	Dolly (P/O Item 1)	69H2
3	017E 12150	Caster (Front)	69H3
4	017E 12160	Caster (Rear)	69H4
5	826E 40320	Bolt	69H5
6	032K 05490	Clamper	69H6
7	050K 60970	Stacker Tray (Item 8, 9)	69H7
8	-	Stacker Tray (P/O Item 7)	69H8
9	848K 08570	Actuator	69H9
10	003K 86590	Handle	69HB
11	826E 40320	Bolt	69HC

PL39.41

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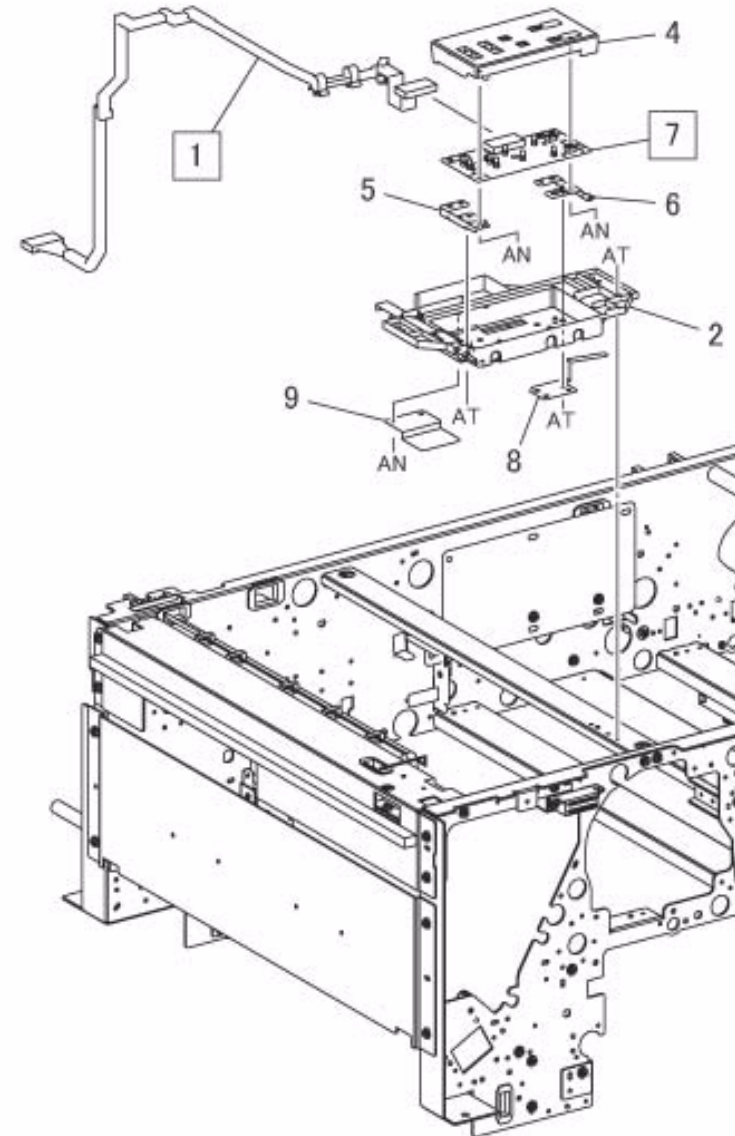
PL 39.42 HCS Control Panel

Item	Parts No	Description	A.C.
1	962K 65700	(SCC) Control Panel Wire Harness (REP 99.1.1) 69J1	
2	–	Control Panel Case (P/O Item 10)69J2	
3	848K 08670	HCS Control Panel (Item 4-7)69J3	
4	–	HCS Control Panel (P/O Item 3)69J4	
5	–	Bracket (P/O Item 3) 69J5	
6	–	Bracket (P/O Item 3) 69J6	
7	960K 31930	(SCC) HCS Control Panel PWB (REP 39.42.1, REP 99.1.1)69J7	
8	–	Ground Plate (P/O Item 10)69J8	
9	–	Bracket 69J9	
10	848K 16800	HCS Control Panel and Case (Item 2, 4-8)69JB	

PL39.42

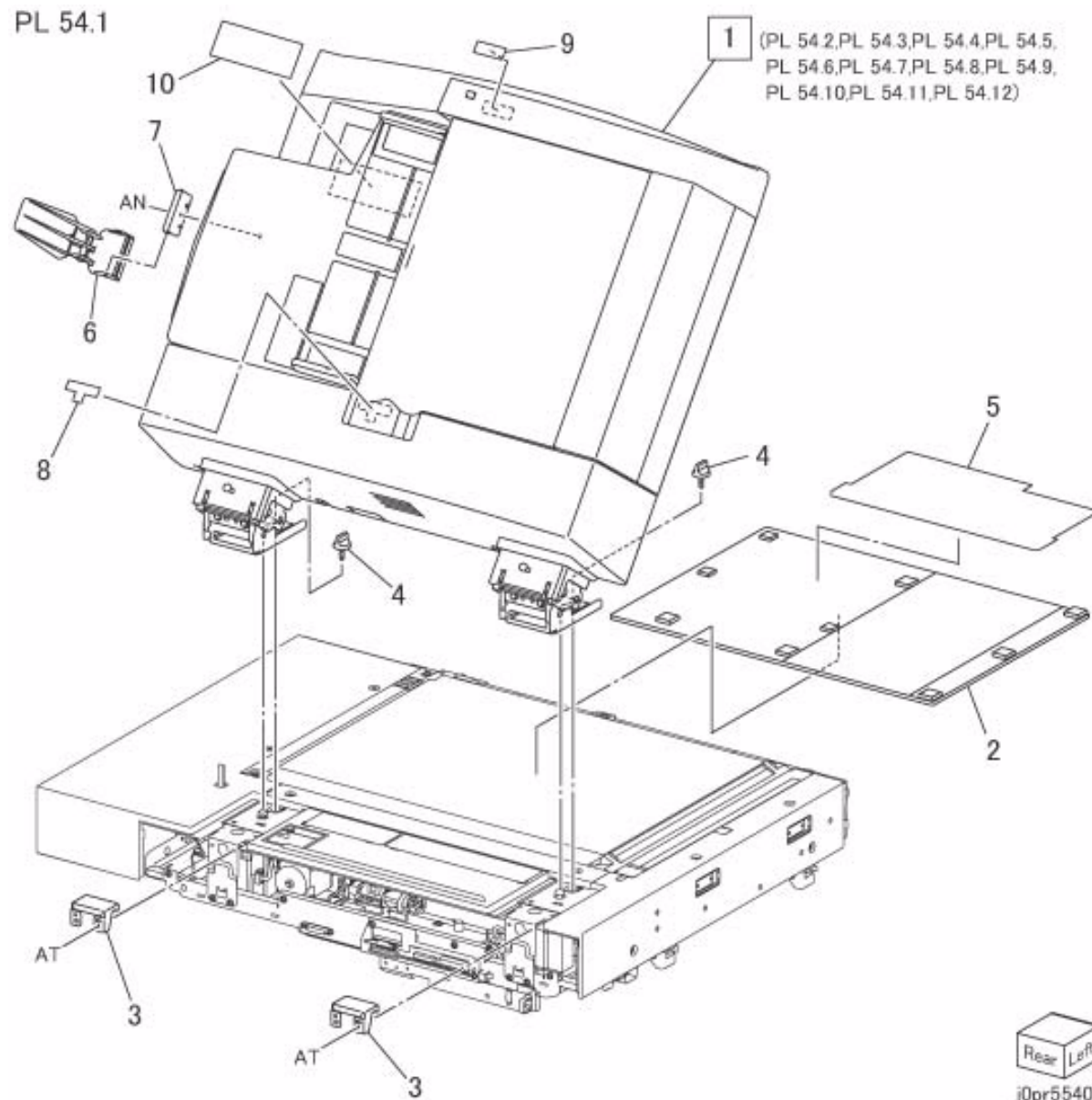
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PL 54.1 DADF Assembly

Item	Parts No	Description	A.C.
1	059K 78921	DADF-250 (PL 54.2,PL 54.3,PL 54.4,PL 54.5,PL 54.6,PL 54.7,PL 54.8,PL 54.9,PL 54.10,PL 54.11,PL 54.12)(REP 54.1.1)22AA	
2	004K 03060	Platen Cushion	22B1
3	849E 17561	DADF Support	22B2
4	003K 91881	Knob Screw	22B3
5	118E 23250	White Reference Sheet	22B4
6	003K 13752	Stopper	22B5
7	003E 62120	Hinge	22B6
8	893E 45461	Label (Caution)	22B7
9	-	Label (FX Only)	22B8
10	-	Label (Caution) (FX Only)	22B9



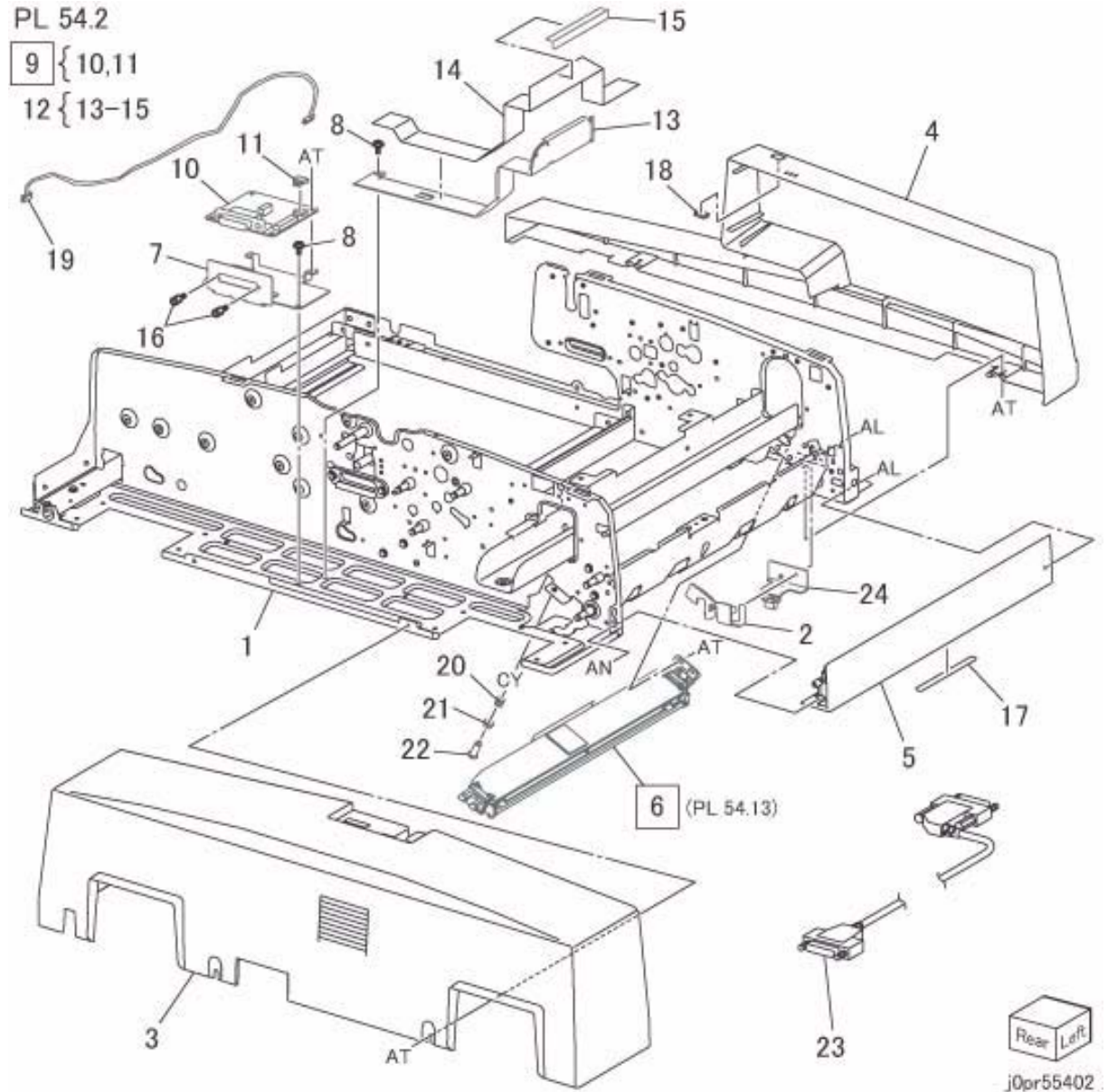
PL 54.2 DADF Cover, CIS

Item	Parts No	Description	A.C.
1	-	Frame	22C1
2	032E 37720	Harness Guide	22C2
3	848E 58400	DADF Rear Cover	22C3
4	848E 64552	DADF Front Cover	22C4
5	848E 64561	DADF Left Lower Cover	22C5
6	130K 77310	CIS (PL 54.13) (REP 54.2.1)22C6	
7	-	PWB Bracket	22C7
8	826E 11600	Round Point Screw	22C8
9	960K 46740	(SCC) DCDC PWB (Item 10,11) (REP 54.2.2, REP 99.1.1)22C9	
10	-	DCDC PWB (P/O Item 9)22CB	
11	-	SEEP ROM (P/O Item 9) 22CC	
12	049K 06300	DCDC-CIS Flat Cable Assembly (Item 13-15)22CD	
13	-	Shield Bracket (P/O Item 12)22CE	
14	117E 30750	DCDC-CIS Flat Cable	22CF
15	-	Film (P/O Item 12)	22CG
16	-	Stud Screw	22CH
17	004K 02331	Cushion	22CJ
18	-	LED Cap	22CK
19	962K 75200	DCDC-CIS Wire Harness	22CL
20	809E 93960	Compression Spring	22CM
21	-	Bush	22CN
22	-	Stud Screw	22CP
23	117E 34210	DCDC-1P DUP Cable	22CQ
24	-	Bracket	22CR

PL 54.2

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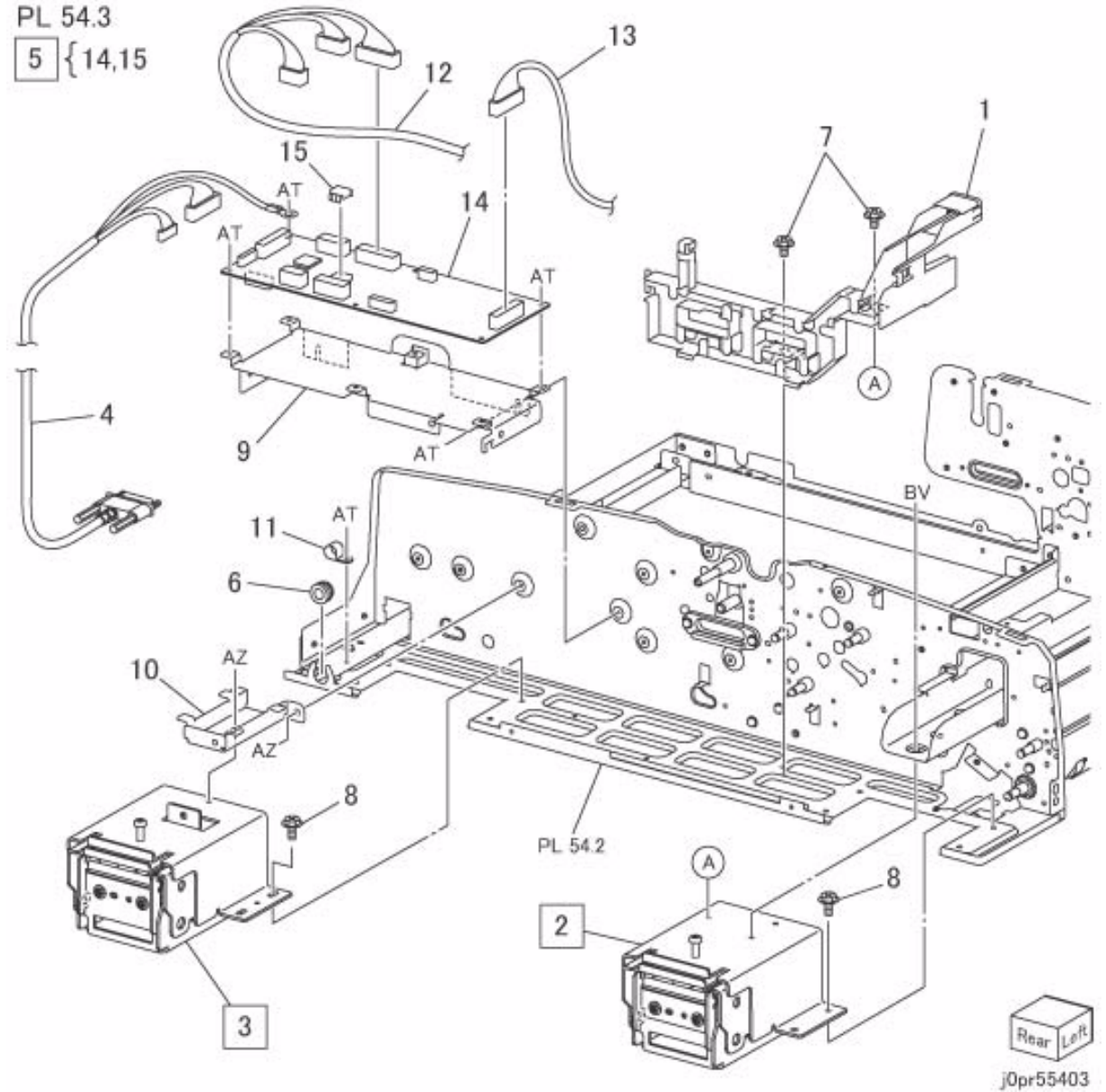


PL 54.3 DADF PWB, Counter Balance

Item	Parts No	Description	A.C.
1	-	Harness Guide	22D1
2	036K 91960	Left Counter Balance (REP 54.3.1)22D2	
3	036K 91970	Right Counter Balance (REP 54.3.1)22D3	
4	117E 27450	IIT-DADF Cable	22D4
5	960K 54070	(SCC) DADF PWB (Item 14,15) (REP 54.3.2, REP 99.1.1)2280	
6	-	Bush	22D5
7	826E 11600	Round Point Screw (M3)	22D6
8	826E 09640	Round Point Screw (M4)	22D7
9	849E 17061	PWB Bracket	22D8
10	849E 16831	Bracket	22D9
11	-	Clamp	22DB
12	962K 19296	DADF Front Wire Harness22DC	
13	962K 19305	DADF Motor Wire Harness22DD	
14	-	DADF PWB (P/O Item 5) 22DE	
15	-	SEEP ROM (P/O Item 5) 22DF	

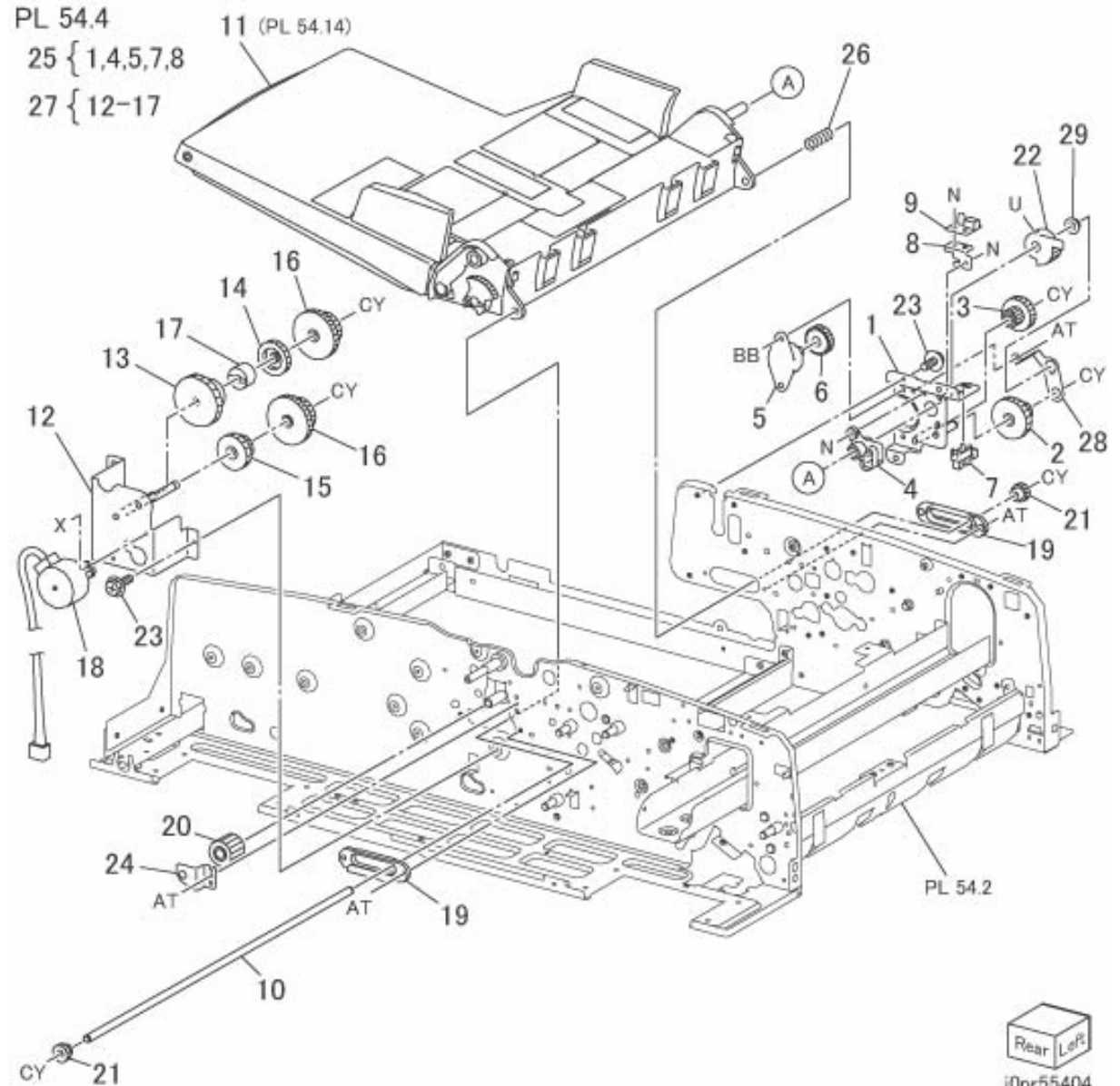
PL 54.3

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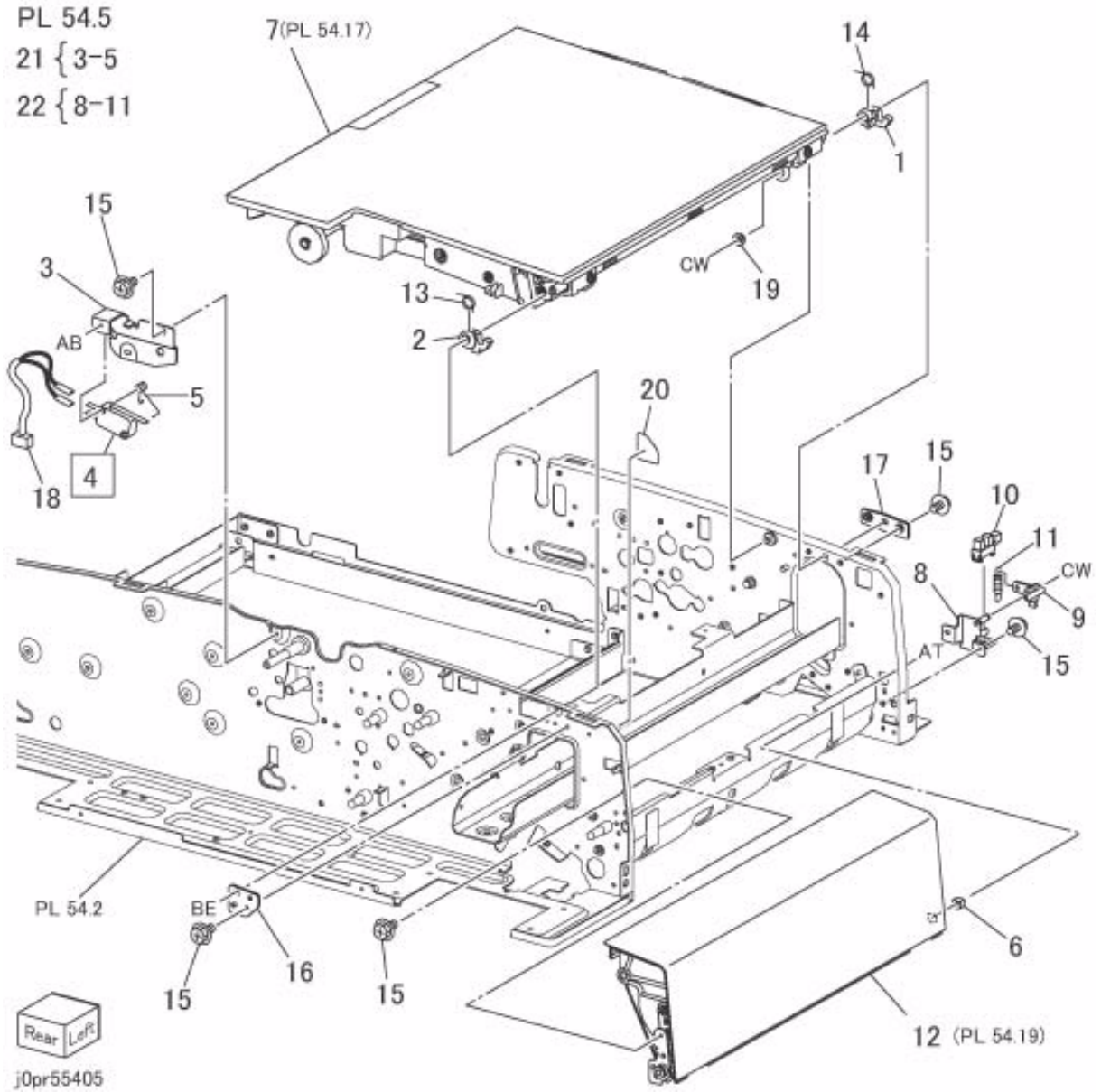
PL 54.4 Document Tray, Tray Motor

Item	Parts No	Description	A.C.
1	-	Bracket (P/O Item 25)	22E1
2	807E 01200	Gear (Spur 40T/16T)	22E2
3	807E 01210	Gear (Spur 32T/16T)	22E3
4	003K 14790	Hinge	22E4
5	004K 02002	Oil Damper	22E5
6	007K 89161	One Way Clutch Gear (Spur 27T)22E6	
7	130E 84280	DADF Tray Interlock Sensor (Alternate)22E7	
-	930W 00125	DADF Tray Interlock Sensor (Alternate)22E7	
8	-	LED Bracket (P/O Item 25)22E8	
9	960K 55380	Document Set LED	22E9
10	006E 79262	Pinion Shaft	22EB
11	050K 65970	DADF Document Tray (PL 54.14)22EC	
12	-	Bracket (P/O Item 27)	22ED
13	807E 00680	Gear (Helical 48T)	22EE
14	807E 00690	Gear (Spur 33T)	22EF
15	807E 00370	Gear (Spur 33T/18T) (P/O Item 27)22EG	
16	807E 00350	Gear (Spur 48T/18T) (P/O Item 27)22EH	
17	-	Torque Limiter (P/O Item 27)22EJ	
18	127K 38402	DADF Tray Motor	22EK
19	-	Rack Guide	22EL
20	807E 00310	Gear (Spur 25T)	22EM
21	807E 00470	Pinion Gear	22EN
22	807E 00672	Sector Gear	22EP
23	-	Round Point Screw	22EQ
24	849E 17040	Bracket	22ER
25	004K 03171	Oil Damper (Item 1, 4, 5, 7, 8)22ES	
26	809E 65080	Compression Spring	22ET
27	049K 07620	Lift Gear Assembly (Item 12-17)22EV	
28	-	Bracket	22EW
29	-	Bearing	22EX



PL 54.5 Feeder Upper Chute, Feeder Cover Interlock Switch

Item	Parts No	Description	A.C.
1	803E 08630	Left Cover Front Latch	22G1
2	803E 08640	Left Cover Rear Latch	22G2
3	-	Switch Bracket (P/O Item 21)22G3	
4	110K 11921	(SCC) DADF Feeder Cover Interlock Switch (REP 99.1.1)22G4	
5	809E 54830	Torsion Spring	22G5
6	014E 45101	Bush	22G6
7	054K 45220	Feeder Upper Chute (PL 54.17)22G7	
8	-	Bracket (P/O Item 22)	22G8
9	120E 22331	Actuator	22G9
10	130E 84280	DADF L/H Cover Interlock Sensor (Alternate)22GB	
-	930W 00125	DADF L/H Cover Interlock Sensor (Alternate)22GB	
11	809E 00115	Tension Spring	22GC
12	848K 49320	DADF Left Upper Cover (PL 54.19)22GD	
13	809E 51451	Torsion Spring (Right Wind)22GE	
14	809E 51461	Torsion Spring (Left Wind)22GF	
15	826E 11600	Round Point Screw	22GG
16	849E 16500	Hinge Bracket	22GH
17	849E 22970	Hinge Bracket	22GJ
18	962K 19261	Wire Harness	22GK
19	059E 01370	Roll	22GL
20	893E 45660	Label	22GM
21	003K 88540	Feeder Cover Interlock Switch Assembly (Item 3-5) 22GN	
22	130K 77640	Cover Interlock Sensor Assembly (Item 8-11)22GP	



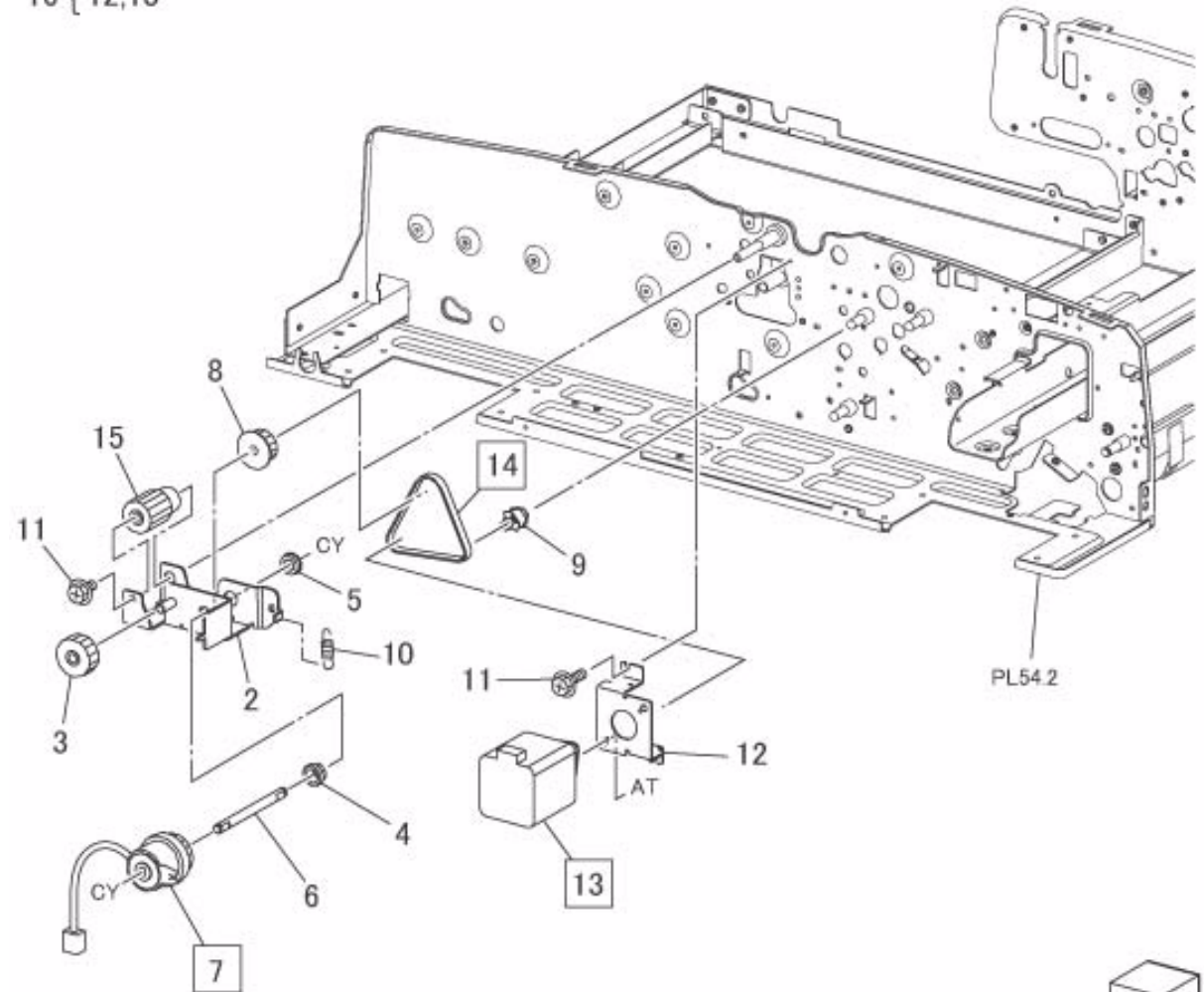
PL 54.6 Feed Motor, Feed Clutch

Item	Parts No	Description	A.C.
1	121K 47430	(SCC) Feed Clutch Assembly (Item 2-8) (REP 99.1.1) 22H1	
2	-	Clutch Bracket (P/O Item 1)22H2	
3	807E 00320	Gear (Spur 24T)	22H3
4	013E 39590	Bearing	22H4
5	013E 24840	Bearing	22H5
6	-	Clutch Shaft (P/O Item 1)22H6	
7	121K 31860	(SCC) DADF Feed Clutch (REP 54.6.1, REP 99.1.1) 22H7	
8	020E 36750	Pulley	22H8
9	020E 47300	Pulley	22H9
10	809E 54581	Tension Spring	22HB
11	-	Round Point Screw	22HC
12	-	Motor Bracket (P/O Item 16)22HD	
13	127K 38301	(SCC) DADF Feed Motor (REP 99.1.1)22HE	
14	423W 29454	Feed Motor Belt (Alternate) (REP 54.6.2) 22HF	
-	423W 29455	Feed Motor Belt (Alternate) (REP 54.6.2)22HF	
15	807E 00660	Gear (Spur 20T)	22HG
16	127K 38520	DADF Feed Motor Assembly (Item 12,13)22HH	

PL 54.6

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16 { 12,13



PL54.2

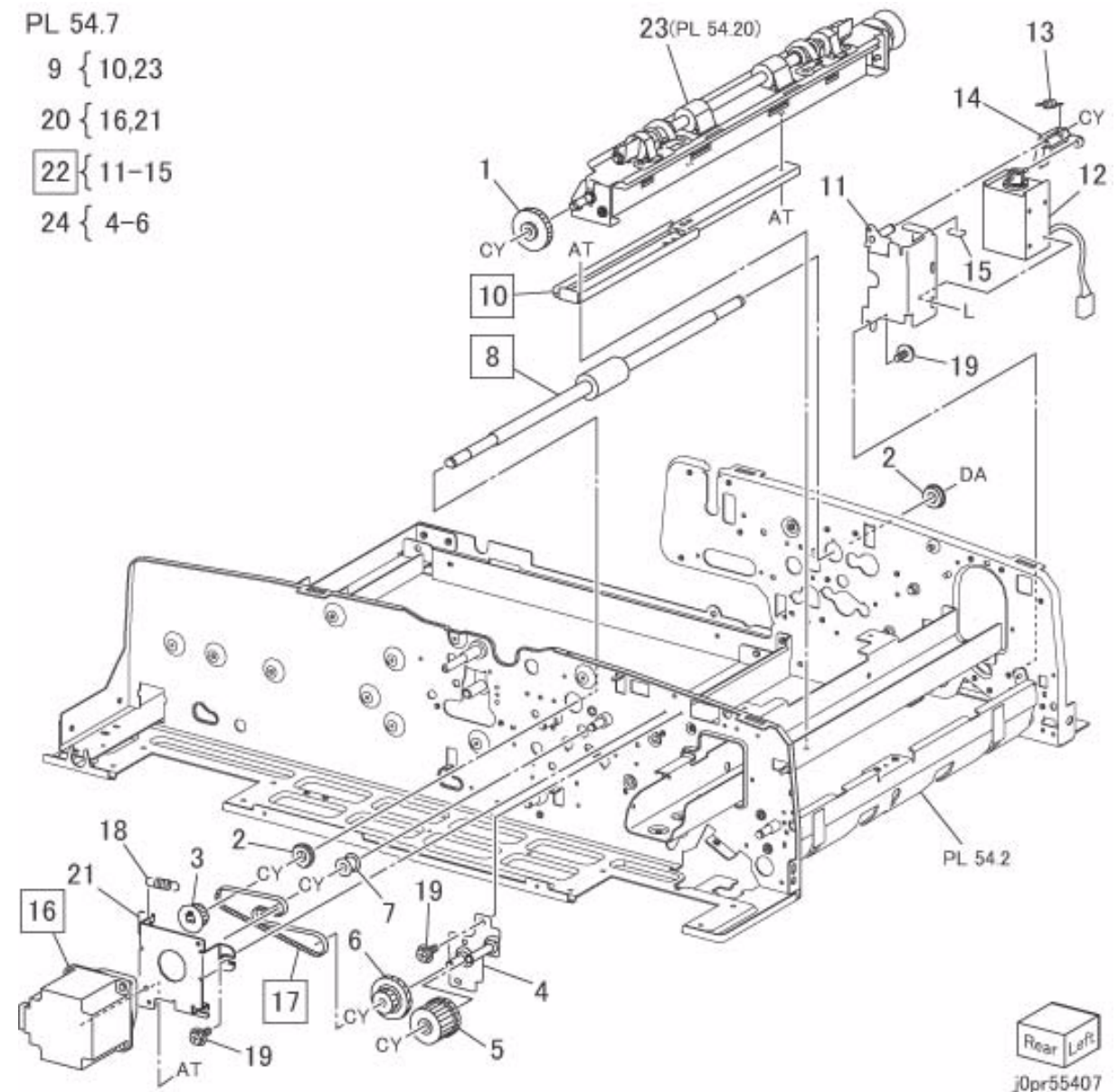


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PL 54.7 Pre Regi. Motor, Pre Regi. Roll Chute, Take Away Roll, Baffle Solenoid

Item	Parts No	Description	A.C.
1	807E 10690	One Way Clutch Gear (Spur 38T)22J1	
2	013E 24670	Ball Bearing	22J2
3	020E 36770	Pulley	22J3
4	-	Stud Bracket (P/O Item 24) 22J4	
5	807E 00330	Gear (Spur 33T/Helical 33T)22J5	
6	807E 00490	Gear Pulley	22J6
7	059E 07700	Pulley	22J7
8	059K 31091	Take Away Roll (REP 54.7.1)22J8	
9	059K 71420	Pre Regi. Roll Chute Assembly (Item 10,23)22J9	
10	001E 64763	Rail (REP 54.7.2)	22JB
11	-	Solenoid Bracket (P/O Item 22) 22JC	
12	-	DADF Baffle Solenoid (P/O Item 22)22JD	
13	-	Tension Spring (P/O Item 22)22JE	
14	-	Actuator (P/O Item 22) 22JF	
15	-	Damper (P/O Item 22) 22JG	
16	127K 38321	(SCC) DADF Pre Regi. Motor (REP 99.1.1)22JH	
17	423W 34554	Pre Regi. Motor Belt (Alternate) (REP 54.7.3)22JJ	
-	423W 34555	Pre Regi. Motor Belt (Alternate) (REP 54.7.3)22JJ	
18	-	Tension Spring	22JK
19	-	Round Point Screw	22JL
20	127K 63490	DADF Pre Regi. Motor Assembly (Item 16,21)22JM	
21	-	Motor Bracket (P/O Item 20)22JN	
22	121K 48070	Baffle Solenoid Assembly (Item 11-15) (REP 54.7.4) 22JP	
23	054K 24487	Pre Regi. Roll Chute (P/O Item 9) (PL 54.20)22JQ	
24	049K 07610	Gear Assembly (Item 4-6)22JR	

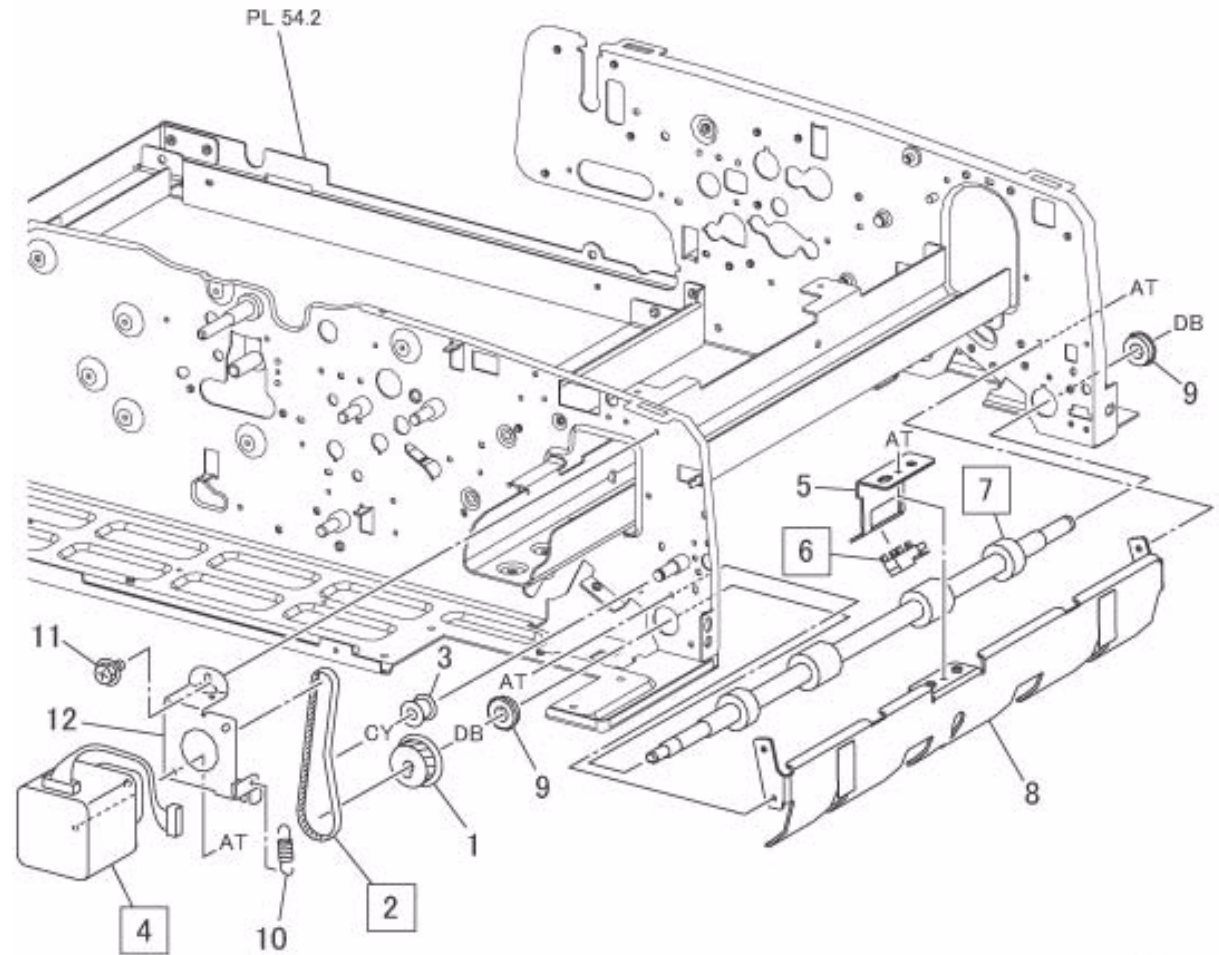
PL 54.7
 9 { 10,23
 20 { 16,21
 22 { 11-15
 24 { 4-6



PL 54.8 Regi. Motor, Regi. Roll, Lead Regi. Sensor

Item	Parts No	Description	A.C.
1	020E 36781	Pulley	22K1
2	023E 21300	Regi. Motor Belt (REP 54.8.1)22K2	
3	059E 07700	Pulley	22K3
4	127K 38341	(SCC) DADF Regi. Motor (REP 99.1.1)22K4	
5	-	Sensor Bracket	22K5
6	930W 00212	DADF Lead Regi. Sensor (REP 54.8.2)22K6	
7	059K 31082	Regi. Roll (REP 54.8.3) 22K7	
8	054K 27742	Regi. In 2 Chute	22K8
9	013E 24670	Ball Bearing	22K9
10	-	Tension Spring	22KB
11	-	Round Point Screw	22KC
12	-	Motor Bracket (P/O Item 13) 22KD	
13	127K 63390	DADF Regi. Motor Assembly (Item 4, 12)22KE	

PL 54.8
13 { 4,12



Rear Left
j0pr55408

PL 54.9 Platen Motor, Platen Roll, Out Roll

Item	Parts No	Description	A.C.
1	-	Flange (P/O Item 26)	22L1
2	012E 11440	Platen Front Link	22L2
3	012E 11450	Platen Rear Link	22L3
4	-	Tension Bracket (P/O Item 31)22L4	
5	059E 07700	Pulley	22L5
6	809E 51440	Tension Spring	22L6
7	013E 24670	Ball Bearing	22L7
8	013E 25911	Sleeve Bearing	22L8
9	020E 36790	Pulley	22L9
10	020E 36800	Pulley	22LB
11	023E 21310	Belt (Width : 4mm)	22LC
12	023E 21320	Platen Motor Belt (Width : 6mm) (REP 54.9.1)22LD	
13	059K 31071	Out Roll (REP 54.9.2)	22LE
14	815E 65600	Platen Back Plate	22LF
15	059K 30964	Platen Roll	22LG
16	809E 50280	Torsion Spring (Left Wind)22LH	
17	809E 50130	Torsion Spring (Right Wind)22LJ	
18	013E 24680	Bearing	22LK
19	005E 18160	Collar	22LL
20	005E 18810	Platen Collar	22LM
21	127K 38341	(SCC) DADF Platen Motor (REP 99.1.1)22LN	
22	809E 50510	Spring Platen (Length 30.8mm)22LP	
23	809E 50880	Spring Platen (Length 23mm)22LQ	
24	826E 09061	Shoulder Screw (Alternate)22LR	
-	826E 31120	Shoulder Screw (Alternate)22LR	
25	-	Motor Bracket (P/O Item 29)22LS	
26	604K 25230	Spare Parts Kit (Item 1, 5, 6, 9, 11, 12, 22)22LT	
27	103E 36100	Washer	22LV
28	105K 21210	Eliminator	22LW
29	127K 63390	Platen Motor Assembly (Item 21, 25)22LX	
30	059K 69270	Platen Roll Assembly (Item 14-20)22M1	
31	012K 96860	Platen Rear Link Assembly (Item 3-6)22M2	

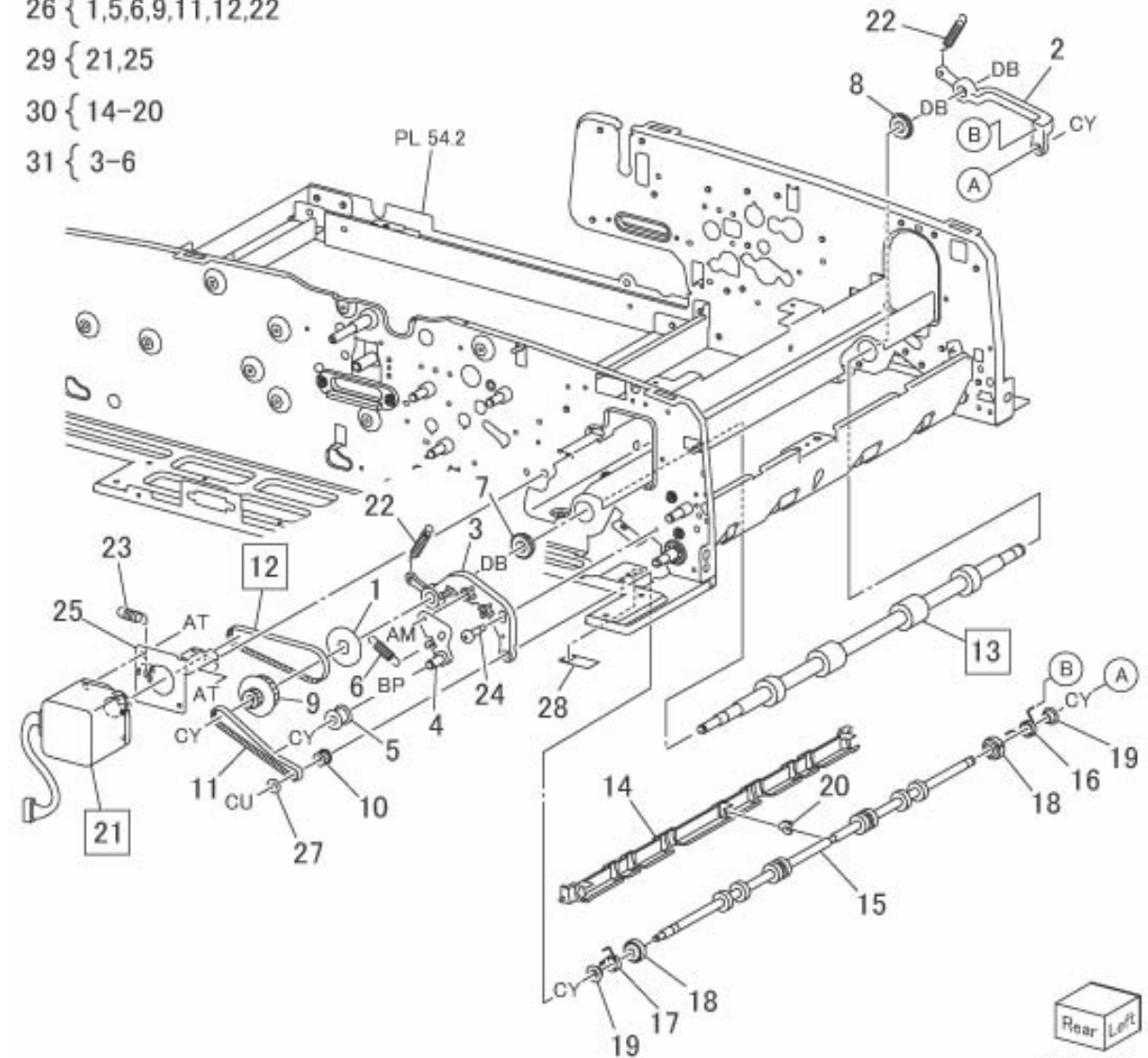
PL 54.9

26 { 1,5,6,9,11,12,22

29 { 21,25

30 { 14-20

31 { 3-6

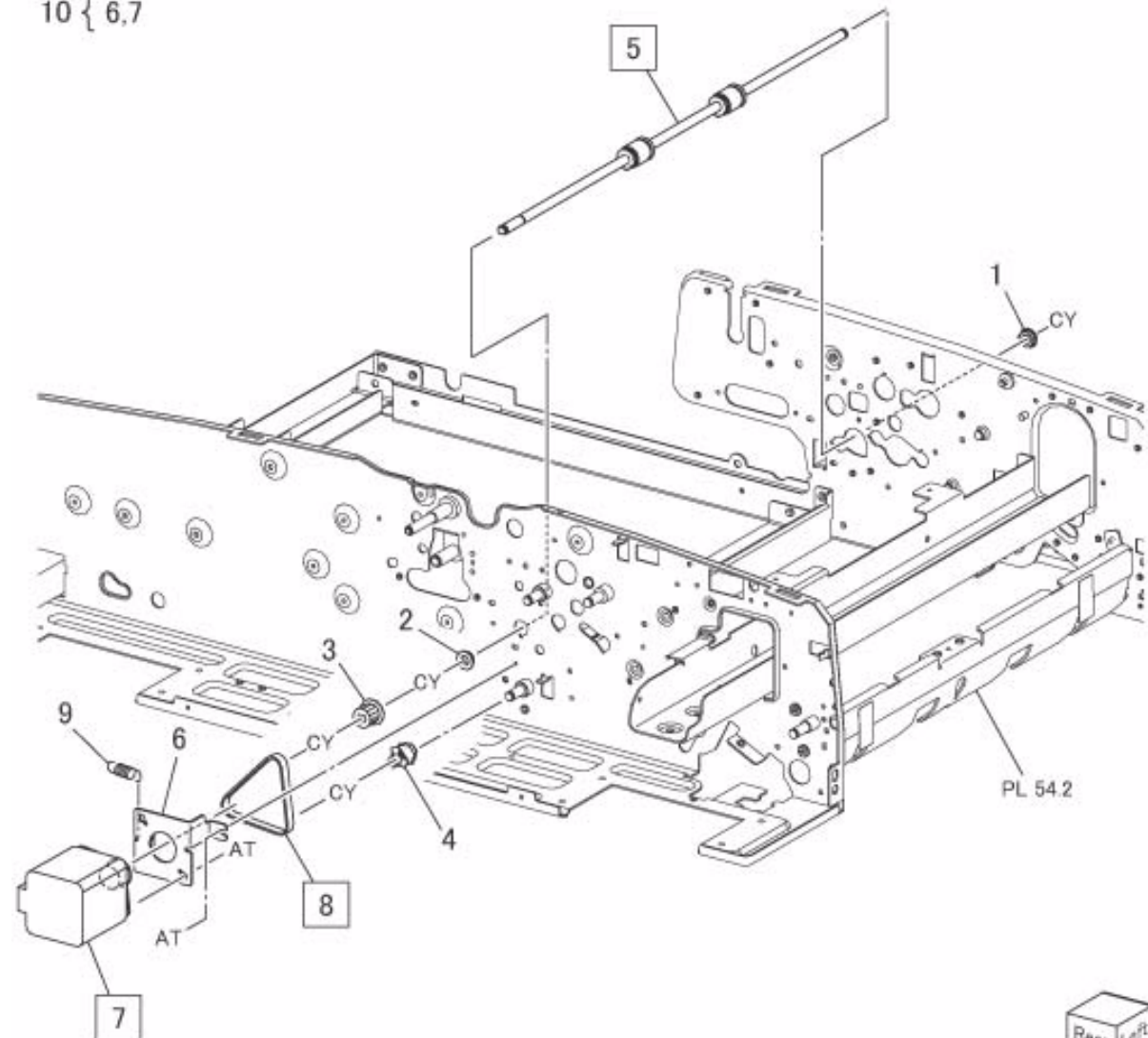


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PL 54.10 Exit1 Motor, Exit1 Roll

Item	Parts No	Description	A.C.
1	013E 24840	Ball Bearing	22N1
2	013E 26250	Sleeve Bearing	22N2
3	020E 36810	Pulley	22N3
4	020E 47300	Pulley	22N4
5	059K 27201	Exit1 Roll (REP 54.10.1)	22N5
6	-	Motor Bracket (P/O Item 10)22N6	
7	127K 38301	(SCC) DADF Exit Motor (REP 99.1.1)22N7	
8	423W 28054	Exit Motor Belt (Alternate) (REP 54.10.2)22N8	
-	423W 28055	Exit Motor Belt (Alternate) (REP 54.10.2)22N8	
9	809E 50880	Tension Spring	22N9
10	127K 38520	DADF Exit Motor Assembly (Item 6, 7)22NB	

PL 54.10
10 { 6,7

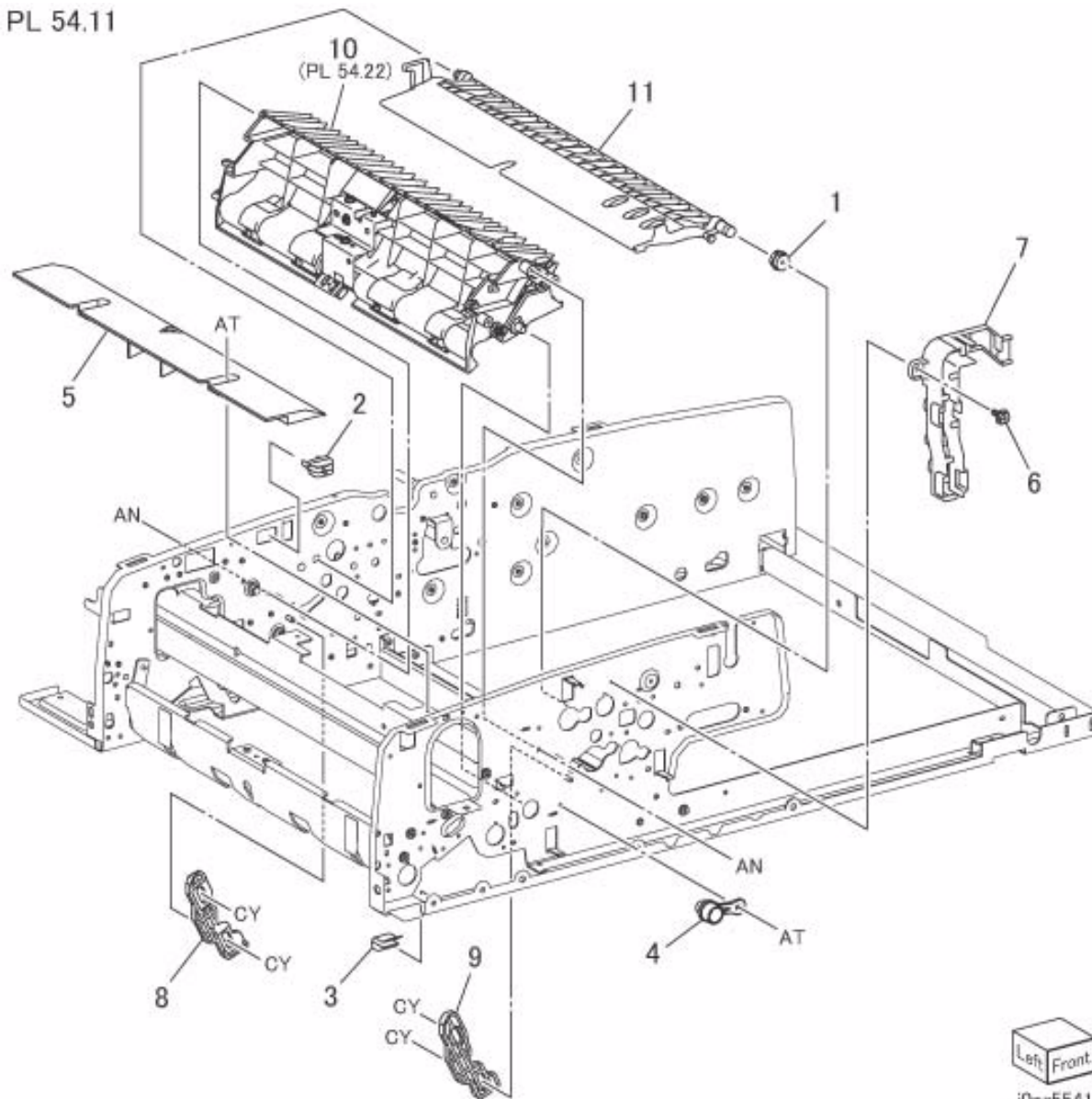


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PL 54.11 Guide Upper Chute, Guide Chute Assembly, Invert Chute Assembly

Item	Parts No	Description	A.C.
1	013E 24172	Sleeve Bearing	22P1
2	803E 08250	Stopper	22P2
3	-	Gasket	22P3
4	803E 07950	Gate Stopper	22P4
5	054E 46140	Guide Upper Chute	22P5
6	826E 11600	Round Point Screw	22P6
7	-	Harness Guide	22P7
8	012E 17860	Rear Link	22P8
9	012E 17870	Front Link	22P9
10	054K 45201	Guide Chute Assembly (PL 54.22)22PB	
11	054K 46040	Invert Chute Assembly	22PC

PL 54.11

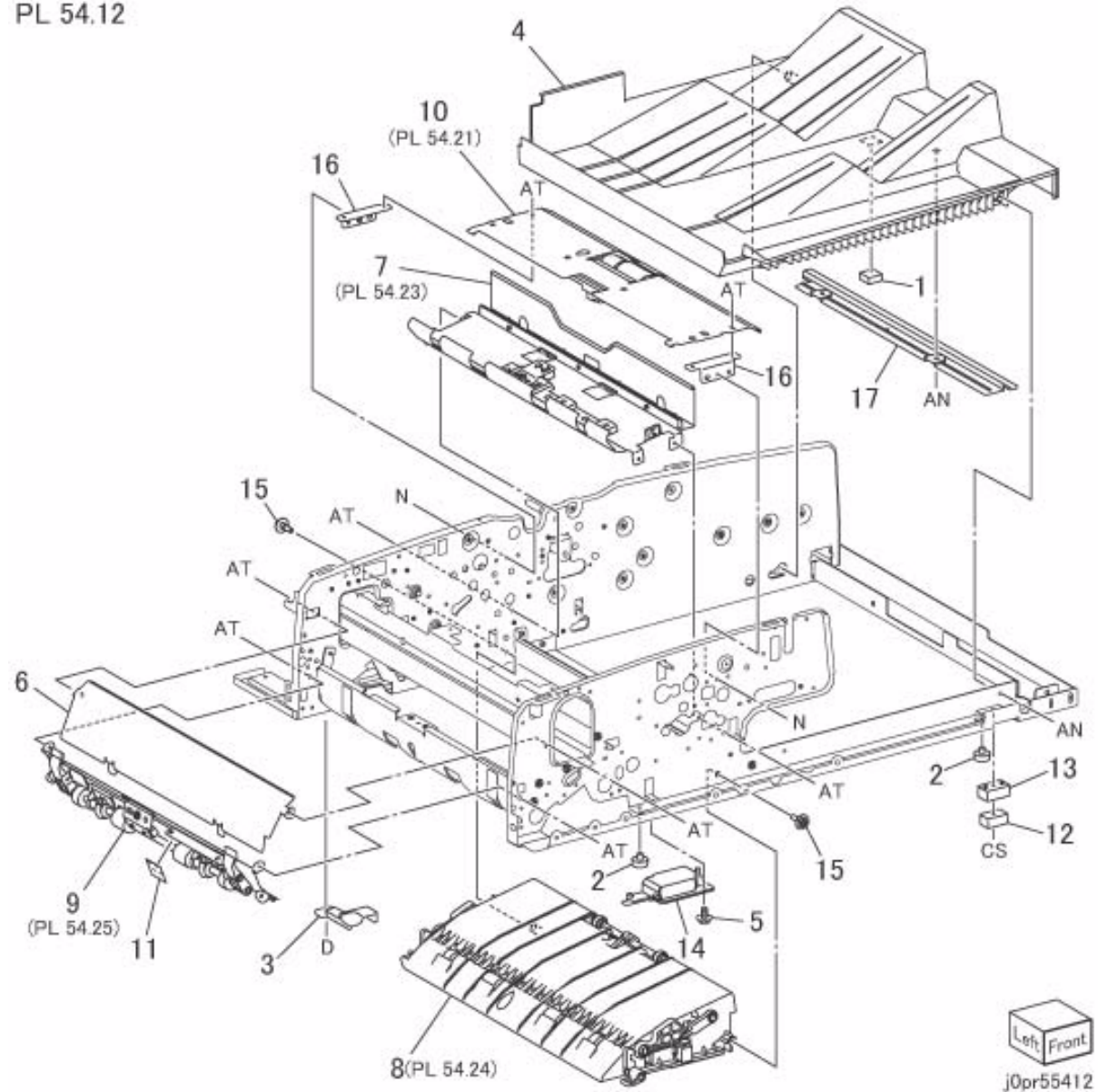


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PL 54.12 Exit Upper/Lower Chute, Regi. Out Chute, Feeder Lower Chute

PL 54.12

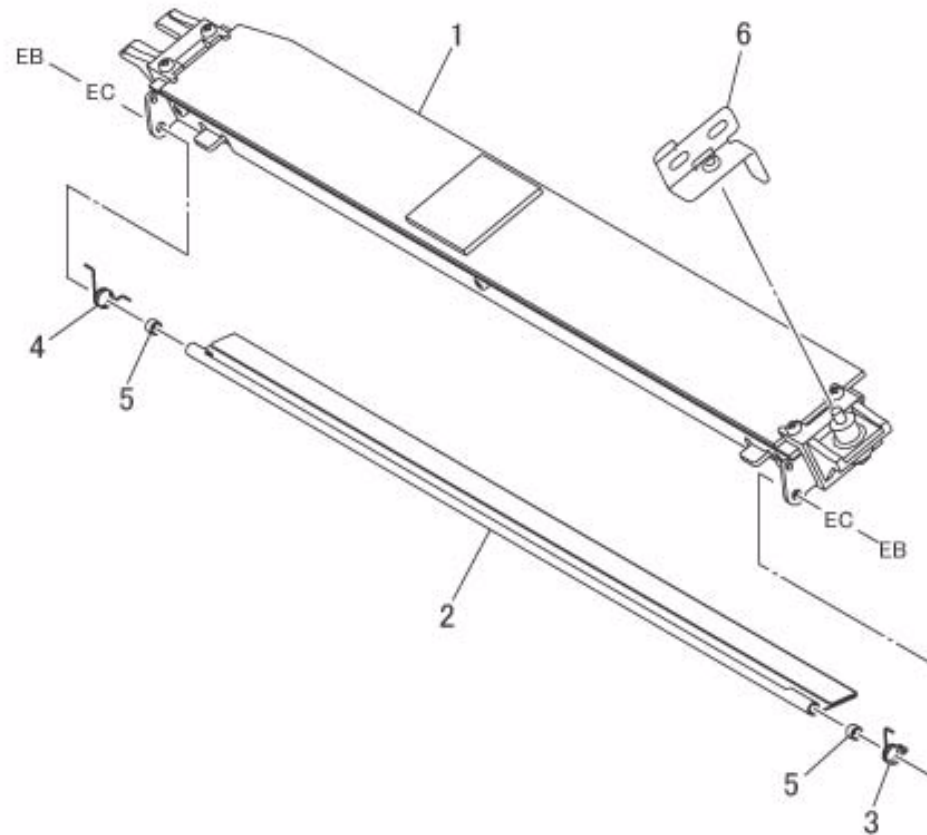
Item	Parts No	Description	A.C.
1	063E 07290	Fastener Tape	22Q1
2	017E 92760	Foot	22Q2
3	-	Bottom Rear Cover	22Q3
4	050E 26550	DADF Exit Tray	22Q4
5	826E 11600	Round Point Screw	22Q5
6	054E 42080	Regi. In1 Chute	22Q6
7	054K 45190	Exit Upper Chute (PL 54.23)	22Q7
8	054K 46220	Exit Low Chute (PL 54.24)	22Q8
9	054K 46180	Regi. Out Chute (PL 54.25)	22Q9
10	054K 46200	Feeder Lower Chute (PL 54.21)	22QB
11	105K 21200	Eliminator	22QC
12	-	Interlock Magnet (White Paint (N) : Left)	22QD
13	848E 64570	Magnet Cover	22QE
14	-	Bottom Front Cover	22QF
15	826E 09001	Shoulder Screw (Alternate)	22QG
-	826E 30750	Shoulder Screw (Alternate)	22QH
16	849E 17360	Bracket	22QH
17	868E 64660	Tray Plate	22QJ



PL 54.13 CIS

PL 54.13

Item	Parts No	Description	A.C.
1	-	CIS	22R1
2	849E 17112	Plate	22R2
3	-	Torsion Spring (Left Wind)22R3	
4	-	Torsion Spring (Right Wind)22R4	
5	-	Spacer	22R5
6	-	Front Bracket	22R6

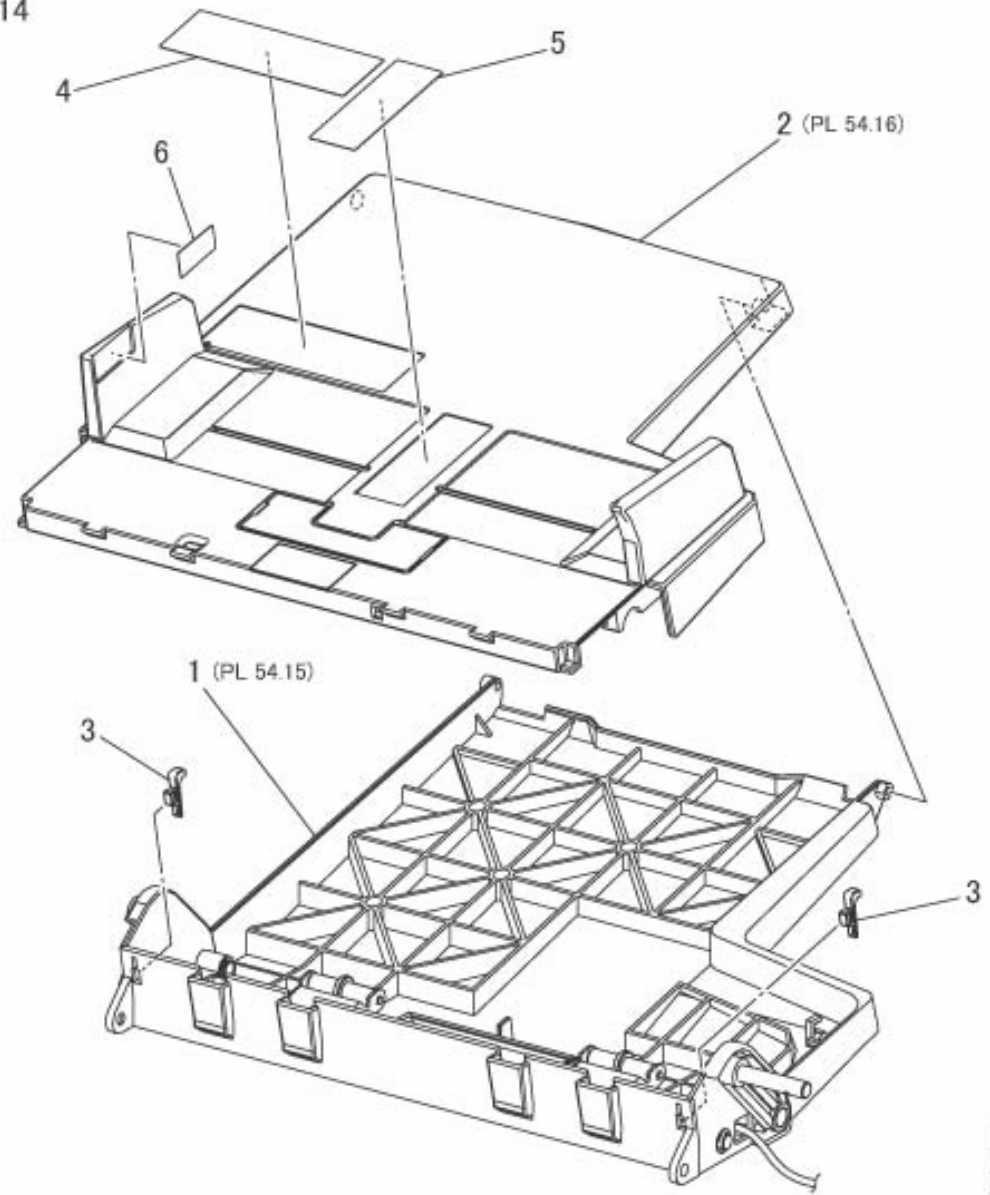


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PL 54.14 Document Tray

Item	Parts No	Description	A.C.
1	-	DADF Document Bottom Tray (PL 54.15)22S1	
2	-	DADF Document Upper Tray (PL 54.16)22S2	
3	-	Tray Block	22S3
4	893E 09602	Label (Size)	22S4
5	893E 03340	Label (Instruction)	22S5
6	893E 09660	Label (Max)	22S6

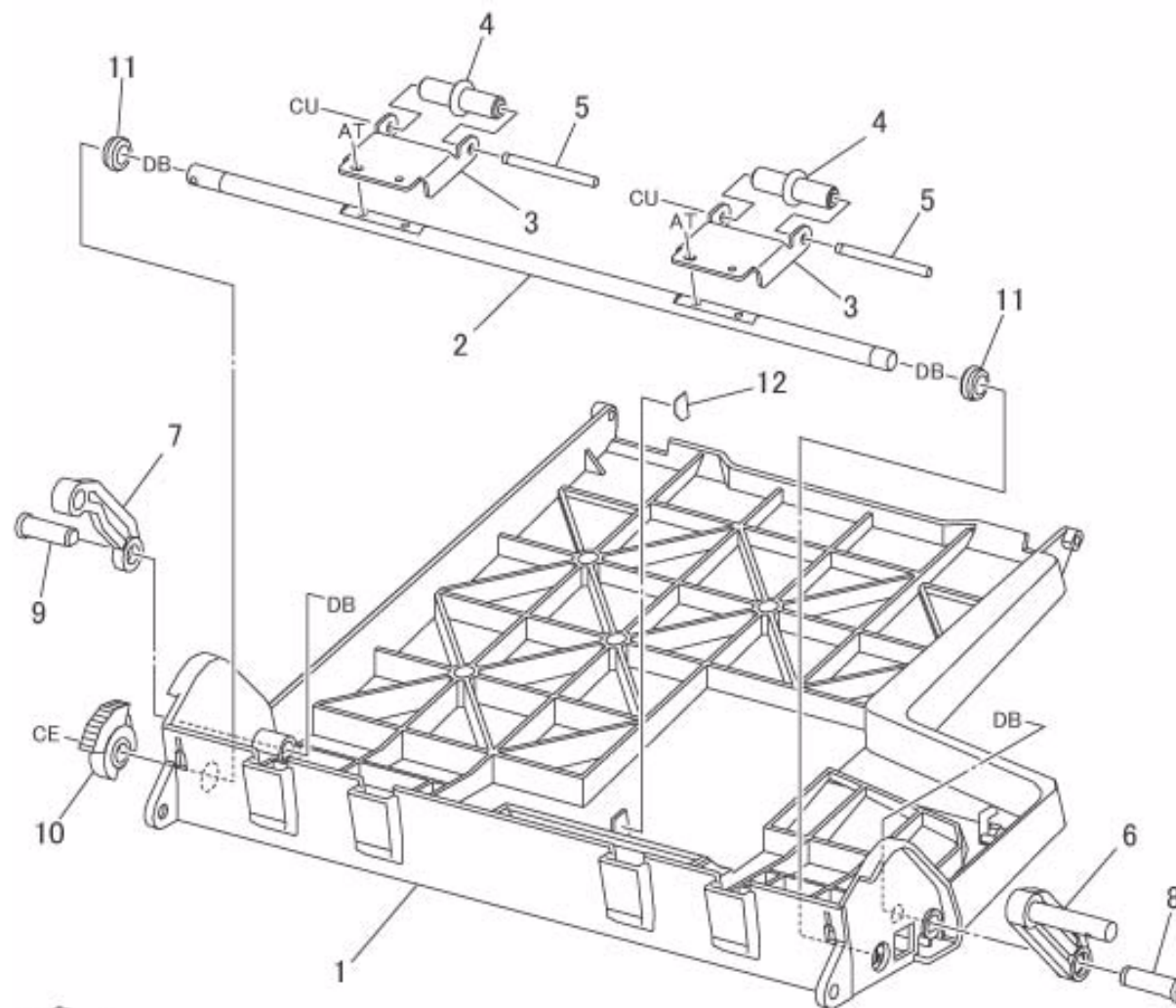
PL 54.14



PL 54.15 Document Bottom Tray

Item	Parts No	Description	A.C.
1	-	Bottom Tray	22T1
2	-	Lift Shaft	22T2
3	-	Lift Lever	22T3
4	-	Roll	22T4
5	-	Shaft	22T5
6	012K 94451	Front Link	22T6
7	012E 11481	Rear Link	22T7
8	-	Front Stud	22T8
9	-	Rear Stud	22T9
10	807E 00420	Sector Gear	22TB
11	-	Sleeve Bearing	22TC
12	103E 29881	Sensor Film	22TD

PL 54.15

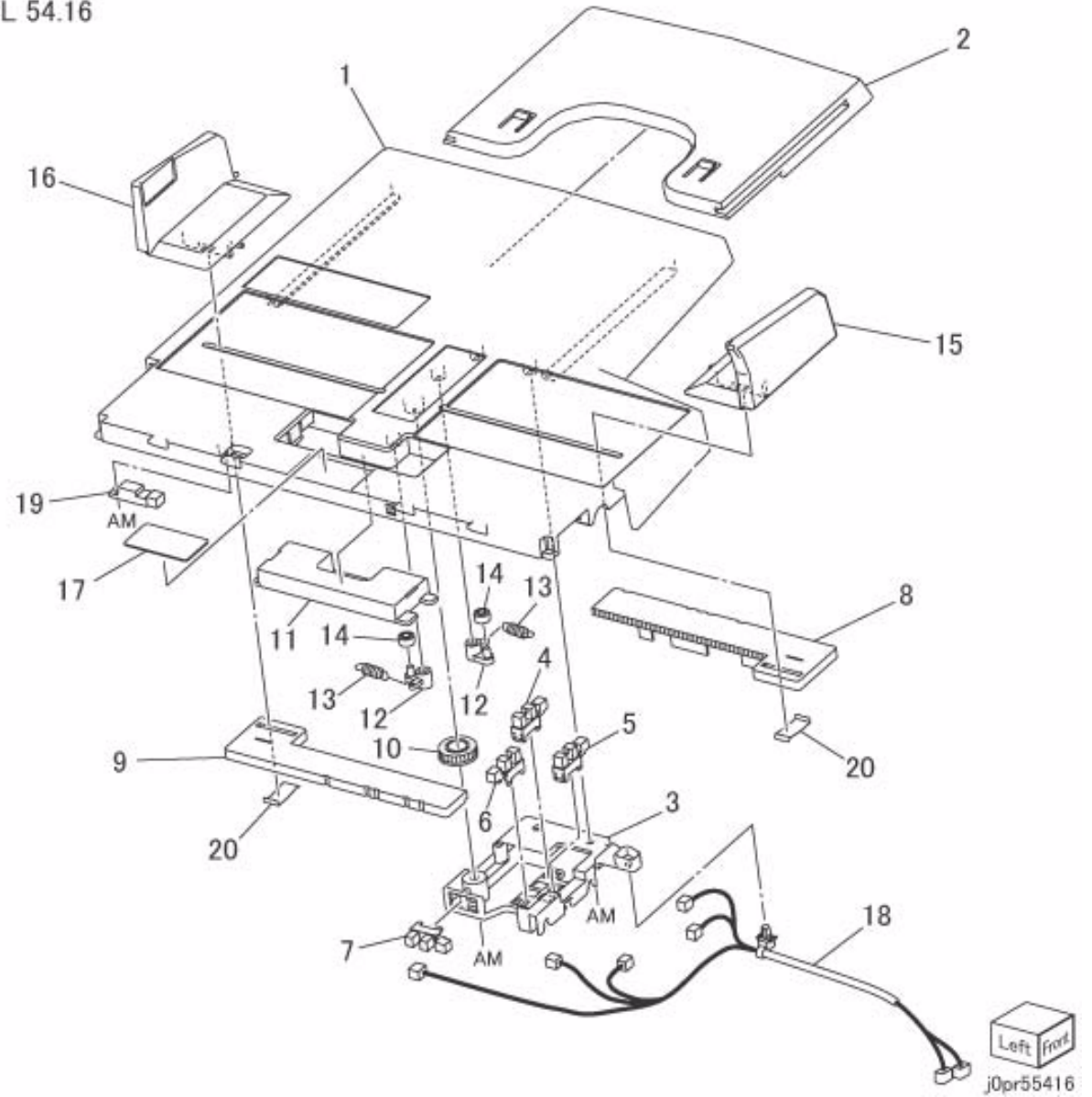


Left Front
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PL 54.16 Document Upper Tray

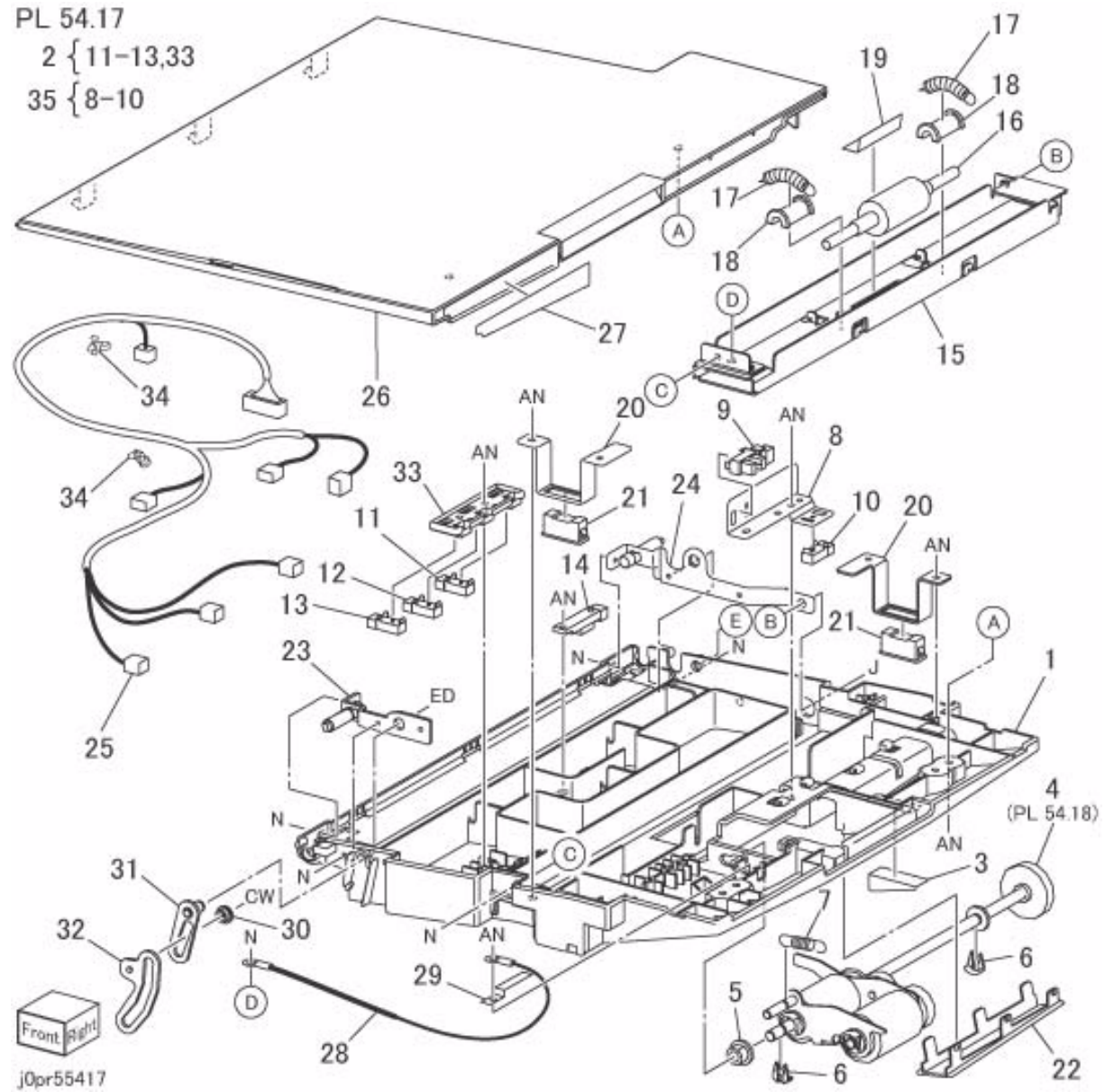
Item	Parts No	Description	A.C.
1	-	Upper Tray	22V1
2	-	Entrance Add Tray	22V2
3	-	Sensor Housing	22V3
4	930W 00121	DADF Tray APS Sensor	122V4
5	930W 00121	DADF Tray APS Sensor	222V5
6	930W 00121	DADF Tray APS Sensor	322V6
7	930W 00121	DADF Bottom Sensor	22V7
8	-	Front Rack Gear	22V8
9	807E 00440	Rear Rack Gear	22V9
10	807E 00450	Pinion Gear	22VB
11	-	Window Plate	22VC
12	012E 11470	Roll Link	22VD
13	809E 50561	Tension Spring	22VE
14	-	Roll	22VF
15	-	Front Side Guide	22VG
16	-	Rear Side Guide	22VH
17	019K 99061	Retard Pad	22VJ
18	962K 19284	DADF Tray Wire Harness	22VK
19	930W 00211	DADF Document Set Sensor	22VL
20	809E 54961	Rack Gear Spring	22VM

PL 54.16



PL 54.17 Feeder Upper Chute

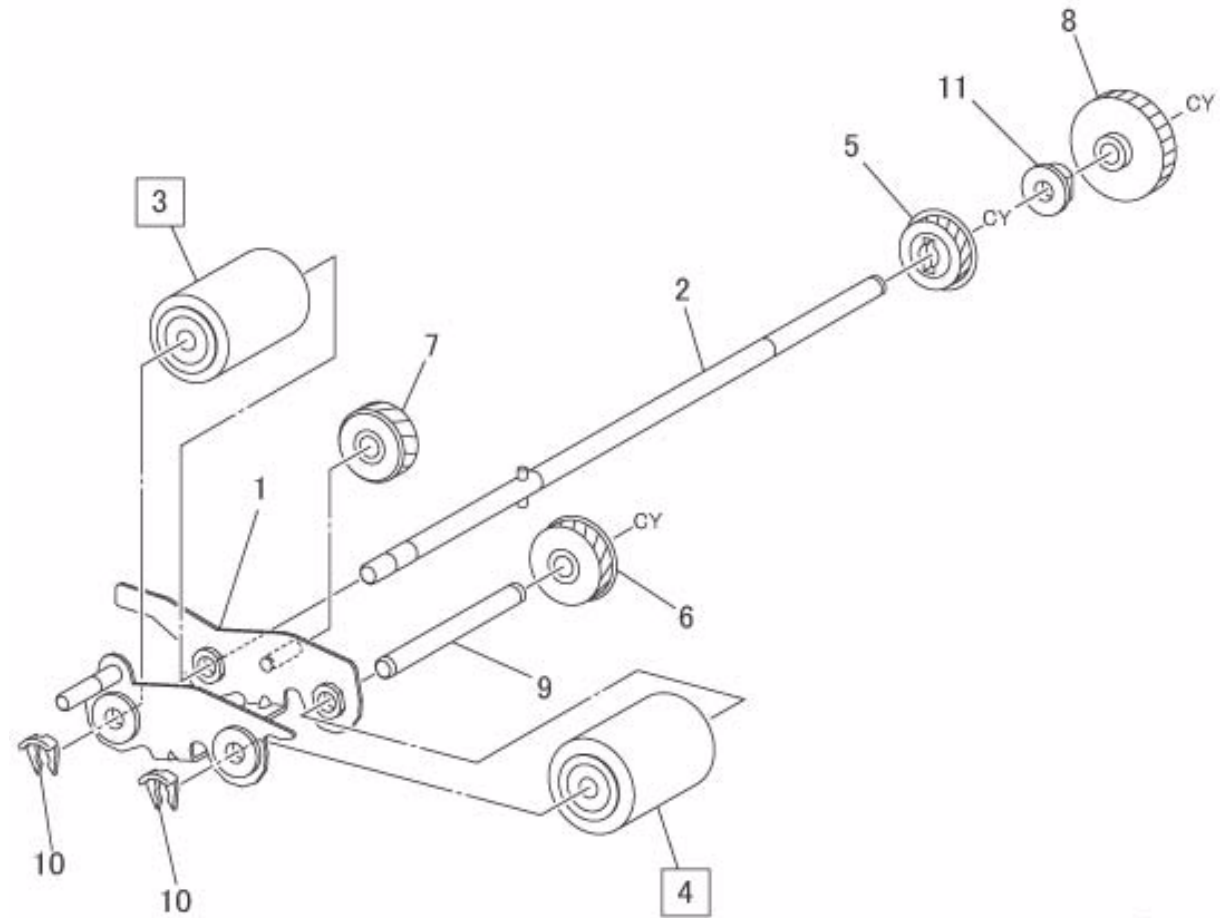
Item	Parts No	Description	A.C.
1	-	Feeder Upper Chute	22W1
2	130K 77230	APS Sensor Assembly (Item 11-13, 33)	22W2
3	055K 31520	Sensor Shield	22W3
4	-	Feeder/Nudger Roll (PL 54.18)	22W4
5	413W 75959	Bearing	22W5
6	028E 94260	KL-Clip	22W6
7	809E 50120	Tension Spring	22W7
8	868E 58671	Sensor Bracket	22W8
9	930W 00121	DADF Level Sensor	22W9
10	930W 00222	DADF Feed Sensor	22WB
11	930W 00222	DADF No.1 APS Sensor	22WC
12	930W 00222	DADF No.2 APS Sensor	22WD
13	930W 00222	DADF No.3 APS Sensor	22WE
14	130E 84300	DADF Pre Regi. Sensor	22WF
15	030K 75742	Pinch Roll Housing	22WG
16	059K 71100	Pinch Roll	22WH
17	809E 50250	Tension Spring	22WJ
18	013E 24660	Garter Bearing	22WK
19	105K 21190	Eliminator	22WL
20	-	Magnet Bracket	22WM
21	121K 47090	Magnet Catch	22WN
22	-	Chute Guide	22WP
23	003K 88310	Front Hinge	22WQ
24	003K 88320	Rear Hinge	22WR
25	962K 86780	DADF Feeder Wire Harness	22WS
26	848E 64590	Feeder Upper Cover	22WT
27	893E 09611	Label (Size)	22WV
28	962K 28381	Ground Wire	22WW
29	809E 58361	Plate Spring	22WX
30	059E 01370	Roller	22X1
31	-	Stopper	22X2
32	-	Stopper	22X3
33	848E 58430	Sensor Housing	22X4
34	019E 49830	Push Tie	22X5
35	130K 77220	Sensor Assembly (Item 8-10)	22X6



PL 54.18 Feeder/Nudger Roll

Item	Parts No	Description	A.C.
1	–	Nudger Bracket	22Y1
2	–	Feed Shaft	22Y2
3	059K 29520	Feed Roll (REP 54.18.1)	22Z2
4	059K 29510	Nudger Roll (REP 54.18.2)	22Z1
5	–	Gear (Helical 38T)	22Y3
6	–	Gear (Helical 44T)	22Y4
7	–	Gear (Helical 39T)	22Y5
8	–	Gear (Spur 29T)	22Y6
9	–	Nudger Shaft	22Y7
10	028E 94260	KL-Clip	22Y8
11	413W 75959	Sleeve Bearing	22Y9

PL 54.18

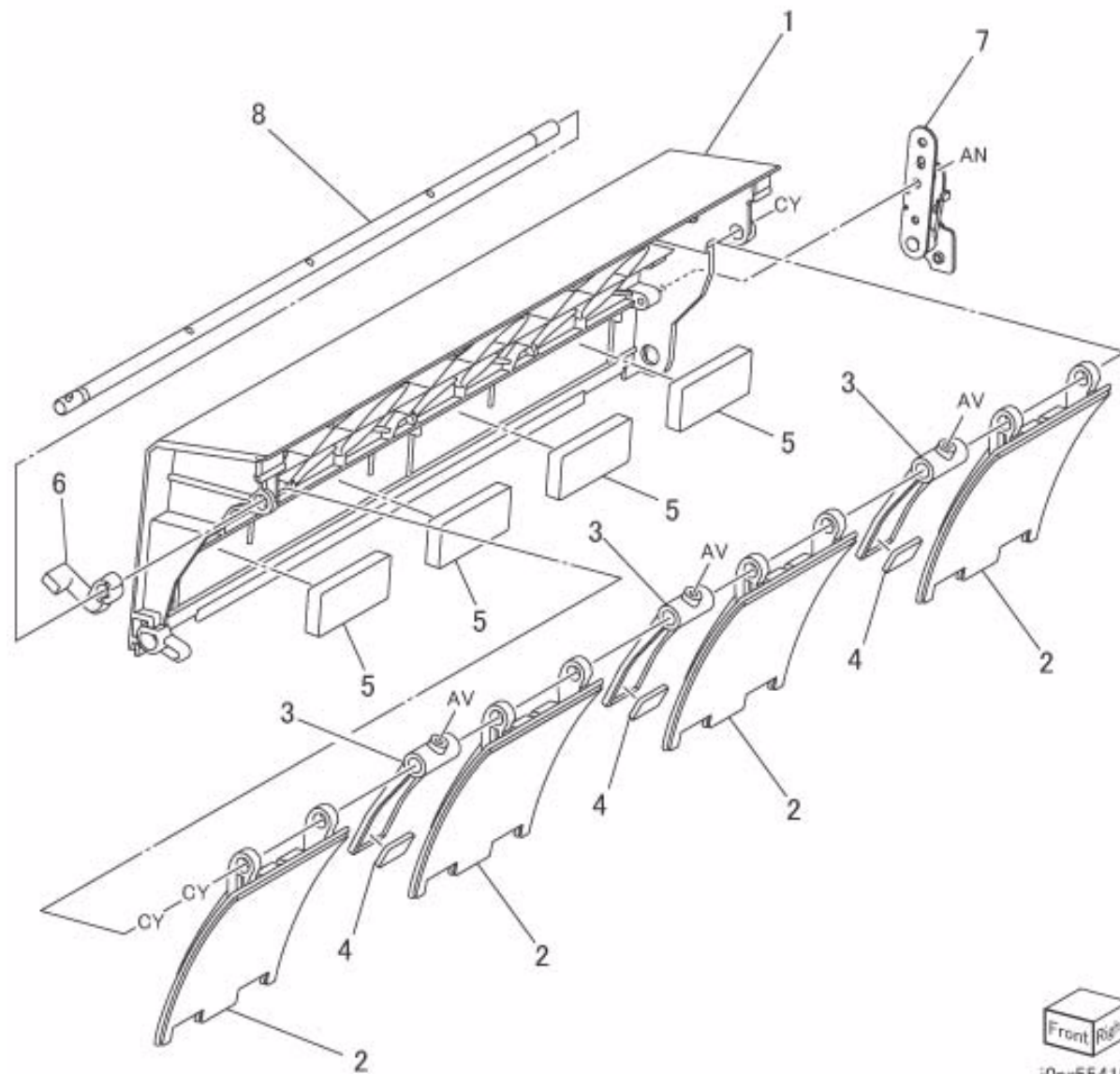


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PL 54.19 Left Upper Cover

Item	Parts No	Description	A.C.
1	848E 64580	Left Upper Cover	23B1
2	055K 38510	Baffle	23B2
3	-	Baffle Stopper	23B3
4	-	Damper	23B4
5	-	Baffle Cushion	23B5
6	120E 22271	Actuator	23B6
7	003K 13310	Hinge	23B7
8	-	Baffle Shaft	23B8

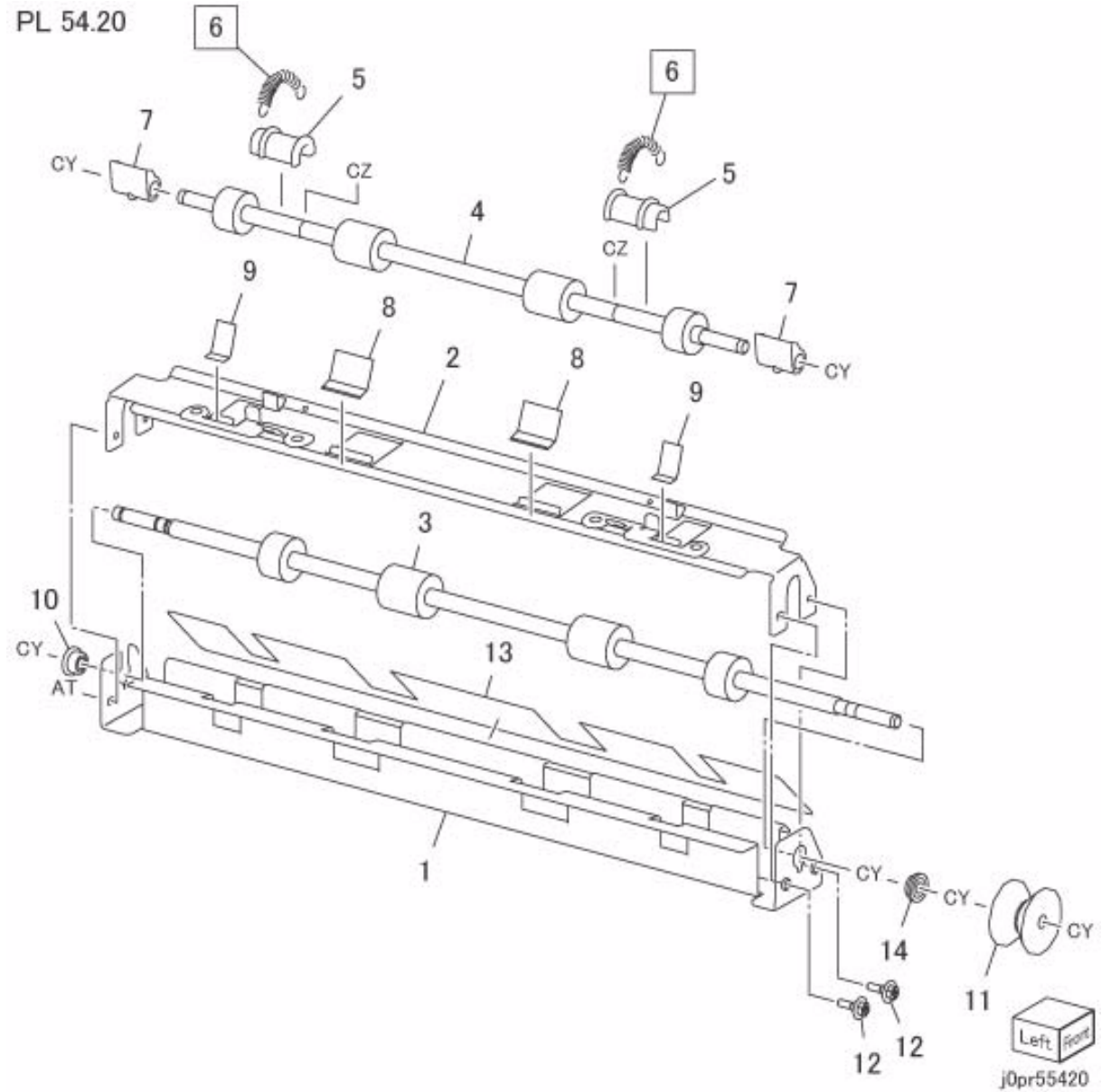
PL 54.19



j0pr55419

PL 54.20 Pre Regi. Roll Chute

Item	Parts No	Description	A.C.
1	-	Pre Regi. Lower Chute	23C1
2	-	Pre Regi. Upper Chute	23C2
3	059K 31123	Pre Regi. Roll	23C3
4	059K 31131	Pinch Roll	23C4
5	-	Garter Bearing	23C5
6	-	Tension Spring (REP 54.20.1)23C6	
7	-	Release Cam	23C7
8	105K 21200	Eliminator	23C8
9	105K 21210	Eliminator	23C9
10	013E 24840	Ball Bearing	23CB
11	-	Home Pulley	23CC
12	826E 09001	Shoulder Screw (Alternate)23CD	
-	826E 30750	Shoulder Screw (Alternate)23CD	
13	-	Film	23CE
14	-	Ball Bearing	23CF

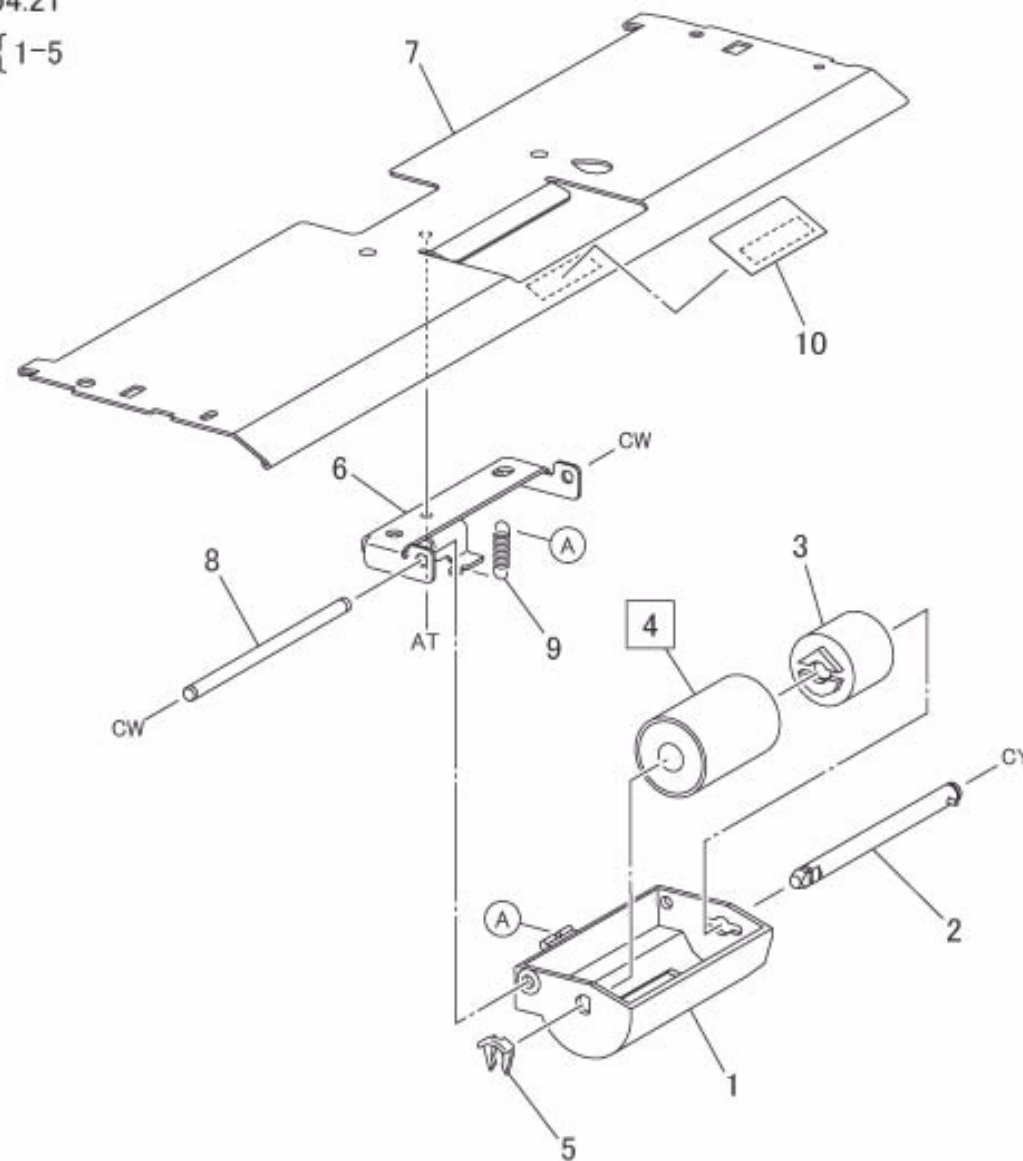


PL 54.21 Feeder Lower Chute

Item	Parts No	Description	A.C.
1	-	Retard Roll Housing (P/O Item 11)23D1	
2	-	Retard Roll Shaft (P/O Item 11)23D2	
3	005K 06810	Torque Limiter	23D3
4	059K 30951	Retard Roll (REP 54.21.1)2223	
5	028E 94260	KL-Clip	23D4
6	-	Bracket	23D5
7	-	Feeder Lower Chute	23D6
8	-	Shaft	23D7
9	809E 50240	Tension Spring	23D8
10	103E 32111	Film	23D9
11	019K 11940	Retard Roll (Item 1-5)	23DB

PL 54.21

11 { 1-5



j0pr55421

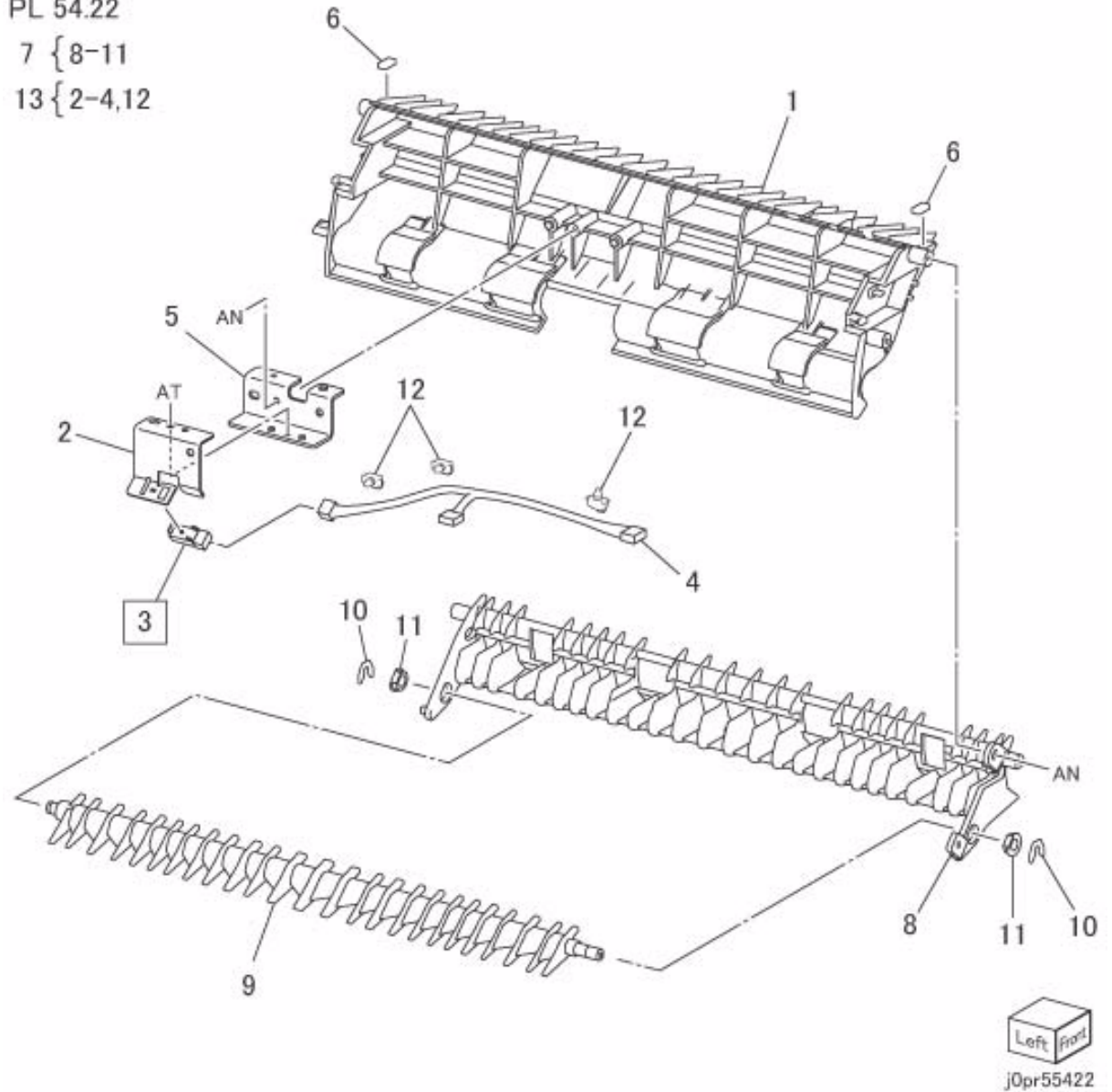
PL 54.22 Guide Chute Assembly

Item	Parts No	Description	A.C.
1	-	Guide Chute	23E1
2	-	Sensor Bracket (P/O Item 13)23E2	
3	930W 00222	DADF Out Sensor (REP 54.22.1)23E3	
4	962K 86800	Wire Harness	23E4
5	-	Sensor Bracket	23E5
6	-	Damper	23E6
7	054K 45210	Simp/Dup Gate Housing (Item 8-11)23E7	
8	-	Gate Housing (P/O Item 7)23E8	
9	-	Simp/Dup Gate (P/O Item 7)23E9	
10	005E 18570	C-Clip	23EB
11	013E 24150	Bearing	23EC
12	120E 92270	Push Tie	23ED
13	130K 77210	DADF Out Sensor Assembly (Item 2-4, 12)23EE	

PL 54.22

7 { 8-11

13 { 2-4,12

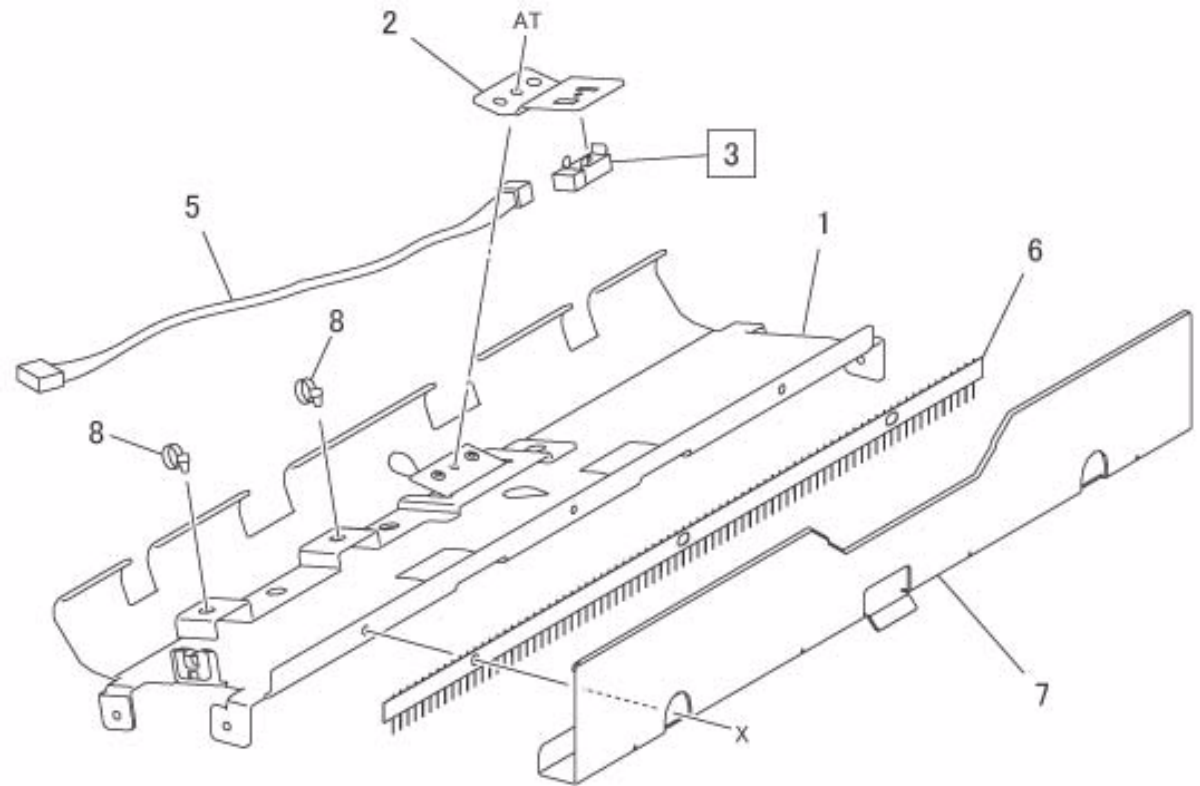


PL 54.23 Exit Upper Chute

Item	Parts No	Description	A.C.
1	-	Exit Upper Chute	23F1
2	-	Sensor Bracket (P/O Item 4)23F2	
3	930W 00222	DADF Exit Sensor (REP 54.23.1)23F3	
4	130K 77200	DADF Exit Sensor Assembly (Item 2, 3, 5, 8)23F4	
5	962K 86790	Wire Harness	23F5
6	105E 12240	Eliminator	23F6
7	868E 58690	Guide Bracket	23F7
8	019E 49830	Push Tie	23F8

PL 54.23

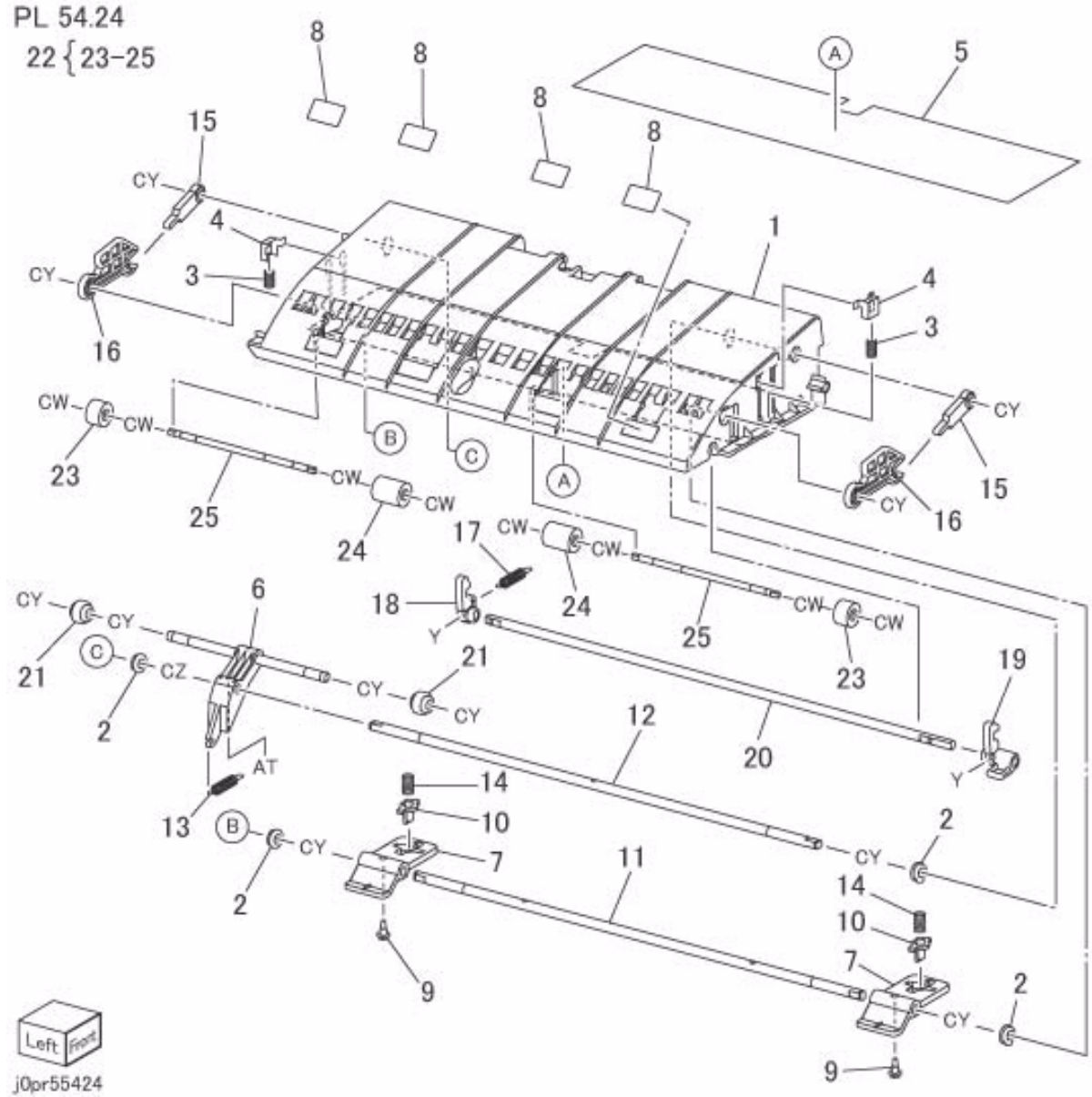
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PL 54.24 Exit Lower Chute

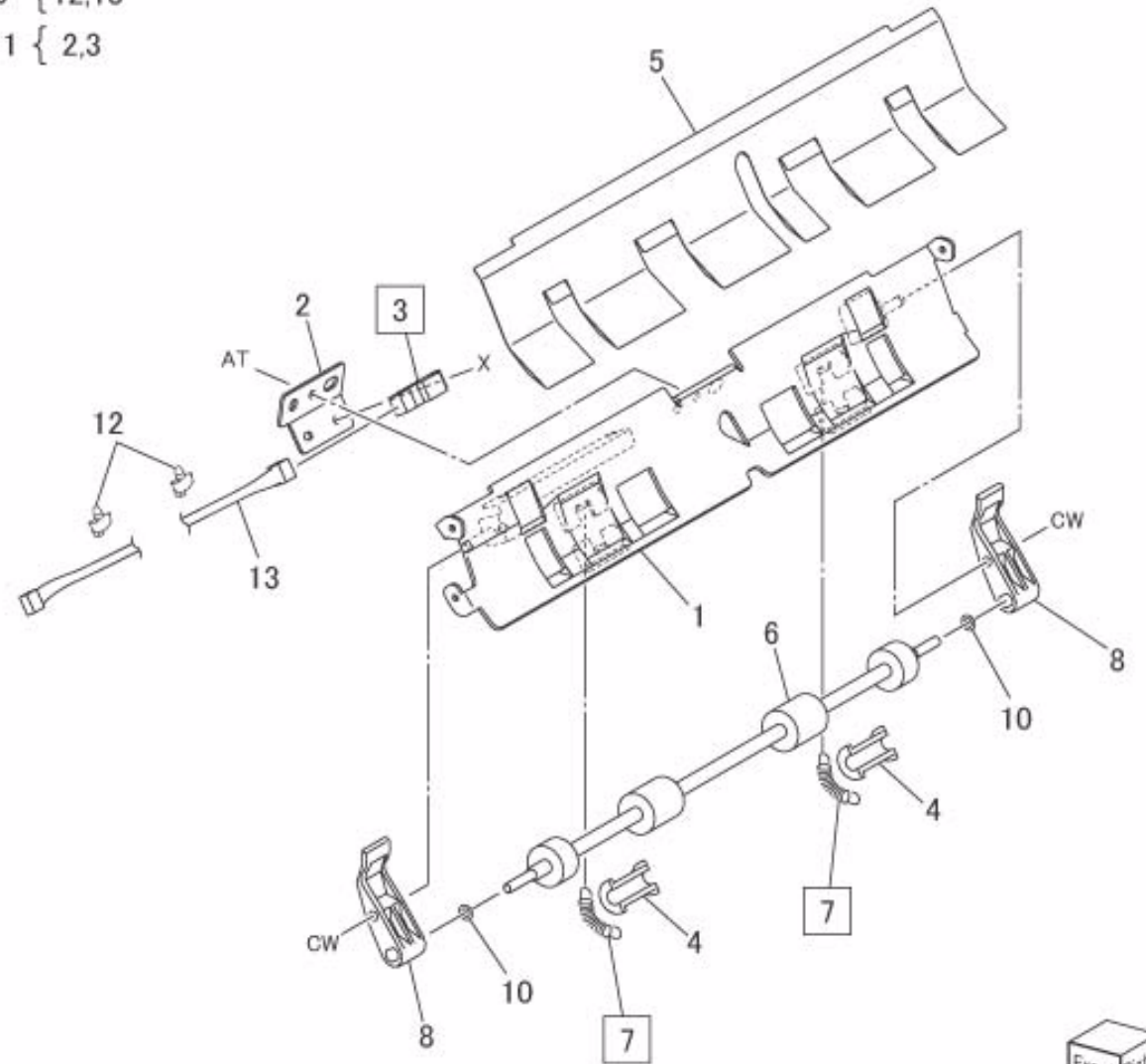
Item	Parts No	Description	A.C.
1	-	Exit Lower Chute	23G1
2	013E 26250	Bearing	23G2
3	809E 60530	Spring	23G3
4	848E 64630	Housing	23G4
5	-	Seal	23G5
6	-	Pinch Roll Shaft	23G6
7	849E 16460	Pinch Plate	23G7
8	103E 29870	Film	23G8
9	826E 08450	Shoulder Screw	23G9
10	-	Spring Cap	23GB
11	-	Shaft	23GC
12	-	Shaft	23GD
13	809E 50101	Tension Spring	23GE
14	809E 50112	Compression Spring	23GF
15	012E 11400	Link	23GG
16	012E 12200	Link	23GH
17	809E 51401	Tension Spring	23GJ
18	012E 11601	Rear Latch	23GK
19	012E 11590	Front Latch	23GL
20	-	Latch Shaft	23GM
21	059E 98510	Pinch Roll	23GN
22	059K 31033	Pinch Roll Assembly (Item 23-25)	23GP
23	059K 31513	Pinch Roll (10)	23GQ
24	059K 31523	Pinch Roll (20)	23GR
25	-	Shaft (P/O Item 22)	23GS



PL 54.25 Regi. Out Chute

Item	Parts No	Description	A.C.
1	-	Regi. Out Chute	23J1
2	-	Sensor Bracket (P/O Item 11)23J2	
3	930W 00211	DADF Regi. Sensor (REP 54.25.1)23J3	
4	013E 24660	Garter Bearing	23J4
5	-	Film	23J5
6	059K 31062	Pinch Roll	23J6
7	809E 50270	Tension Spring (REP 54.25.2)23J7	
8	012E 17850	Link	23J8
9	962K 19321	Wire Harness Assembly (Item 12, 13)23J9	
10	-	Nylon Washer	23JB
11	130K 64420	DADF Regi. Sensor Assembly (Item 2, 3)23JC	
12	120E 92270	Push Tie	23JD
13	-	Wire Harness (P/O Item 9)23JE	

PL 54.25
 9 { 12,13
 11 { 2,3



j0pr55425

98.1 Screws

Table 1

ITEM	PART NO.	PART NAME
A	102W 27678	Screw (M3x6)
B	102W 28478	Screw (M3x14)
C	112W 27677	Sems Screw (M3x6)
D	112W 27678	Sems Screw (M3x6)
E	112W 27698	Sems Screw (M3x6)
F	112W 27898	Sems Screw (M3x8)
G	112W 28078	Sems Screw (M3x10)
H	112W 87888	Sems Screw (M8x20)
J	113W 20478	Screw (M3x4)
K	113W 20488	Pan Head Screw (M2.5x4)
L	113W 20578	Screw (M3x5)
M	113W 20677	Screw (M3x6)
N	113W 20678	Screw (M3x6)
P	113W 20698	Round Screw (M3x6)
Q	113W 20878	Screw (M3x8)
R	113W 21078	Screw (M3x10)
S	113W 21278	Screw (M3x12)
T	113W 21478	Screw (M3x14)
U	113W 21678	Screw (M3x16)
V	113W 21778	Screw (M3x18)
W	113W 22578	Screw (M3x25)
X	113W 27588	Pan Head Screw (M3x5)
Y	113W 27688	Pan Head Screw (M3x6)
Z	113W 36678	Screw (M4x16)
AA	113W 28088	Pan Head Screw (M3x10)
AB	113W 28888	Screw (M3x20)
AC	113W 35578	Screw (M4x5)
AD	113W 35678	Screw (M4x6)
AE	113W 35878	Screw (M4x8)
AF	113W 35888	Pan Head Screw (M4x8)
AG	113W 36078	Screw (M4x10)
AH	113W 38088	Pan Head Screw (M4x40)
AJ	114W 27678	Bind Head Screw (M3x6)
AK	114W 27878	Bind Head Screw (M3x8)
AL	141W 35551	Setscrew (M4x5)
AM	153W 17688	Tapping Screw (M3x6)
AN	153W 17888	Tapping Screw (M3x8)
AP	153W 18088	Tapping Screw (M3x10)

Table 1

ITEM	PART NO.	PART NAME
AQ	153W 18288	Tapping Screw (M3x12)
AR	153W 27678	Tapping Screw (M3x6)
AS	153W 27878	Tapping Screw (M3x8)
AT	158W 27678	Screw (M3x6)
AU	158W 27688	Round Screw (M3x7)
AV	158W 27878	Screw (M3x8)
AW	158W 28078	Screw (M3x10)
AX	158W 28278	Screw (M3x12)
AY	158W 35677	Screw (M4x6)
AZ	158W 35678	Screw (M4x6)
BA	158W 35698	Pan Head Screw (M4x12)
BB	158W 35878	Screw (M4x8)
BC	158W 45278	Screw (M5x12)
BD	201W 33278	Nut (12)
BE	220W 21278	Flange Nut (3)
BF	232W 21178	Clinching Nut (3)
BG	232W 24178	Clinching Nut (4)
BH	232W 24278	Clinching Nut (4)
BJ	251W 24278	Washer (4)
BK	251W 29278	Washer (8)
BL	252W 24250	Nylon Washer (4)(t0.25)
BM	252W 24350	Nylon Washer (4)(t0.5)
BN	252W 26450	Nylon Washer (5)
BP	252W 27250	Nylon Washer (6)(t0.25)
BQ	252W 27350	Nylon Washer (6)(t0.5)
BR	252W 27450	Nylon Washer (6)(t1)
BS	252W 29250	Nylon Washer (8)(t0.25)
BT	252W 29350	Nylon Washer (8)(t0.5)
BU	252W 29450	Nylon Washer (8)(t1)
BV	252W 31350	Nylon Washer (10)(t0.5)
BW	252W 31550	Nylon Washer (10)(t1.5)
BX	271W 10850	Pin (1.6x8)
BY	271W 16050	Dowel Pin (2x10)
BZ	271W 21050	Dowel Pin (2.5x10)
CA	271W 21250	Dowel Pin (2.5x12)
CB	271W 21450	Dowel Pin (2.5x14)
CC	271W 21650	Dowel Pin (2.5x16)
CD	271W 28050	Dowel Pin (3x10)
CE	271W 28650	Dowel Pin (3x16)
CF	271W 28850	Dowel Pin (3x20)

Table 1

ITEM	PART NO.	PART NAME
CG	285W 15851	Spring Pin (2x8)
CH	285W 16251	Spring Pin (2x12)
CJ	285W 21051	Spring Pin (2.5x10)
CK	285W 21451	Spring Pin (2.5x14)
CL	285W 21851	Spring Pin (2.5x20)
CM	285W 28051	Spring Pin (3x10)
CN	285W 28251	Spring Pin (3x12)
CP	285W 28651	Spring Pin (3x16)
CQ	285W 28851	Spring Pin (3x20)
CR	351W 29250	C-Clip (8)
CS	351W 52250	Retaining Clip
CT	354W 15278	E-Clip (2)
CU	354W 19278	E-Clip (2.5)
CV	354W 21254	KL-Clip
CW	354W 21278	E-Clip (3)
CX	354W 24254	KL-Clip
CY	354W 24278	E-Clip (4)
CZ	354W 26278	E-Clip (5)
DA	354W 27254	KL-Clip
DB	354W 27278	E-Clip (6)
DC	354W 29254	KL-Clip
DD	354W 29278	E-Clip (8)
DE	354W 30278	E-Clip (9)
DF	113W 36278	Screw (M4x12)
DG	113W 37478	Screw (M4x30)
DH	113W 38278	Screw (M4x45)
DJ	158W 28678	Screw (M3x16)
DK	158W 36678	Screw (M4x16)
DL	113W 36888	Pan Head Screw (M4x20)
DM	112W 30098	Sems Screw (M3x40)
DN	158W 36278	Screw (M4x12)
DP	201W 33278	Nut (12)
DQ	141W 35551	Setscrew (M4x4)
DR	252W 33350	Nylon Washer (12)(t0.5)
DS	153W 15888	Tapping Screw (M4x8)
DT	251W 27278	Washer (6)
DU	256W 27278	Spring Washer (6)
DV	273W 00178	Stud Nut
DW	251W 24478	Washer (4)
DX	220W 24378	Flange Nut (4)

Table 1

ITEM	PART NO.	PART NAME
DY	117W 30178	Shoulder Screw
DZ	113W 36478	Screw (M4x14:White)
EA	113W 28488	Pan Head Screw (M3x14:White)
EB	113W 28288	Pan Head Screw (M3x12:White)
EC	256W 21278	Spring Washer (3:White)
ED	354W 21251	E-Clip (3)
EE	256W 33278	Spring Washer (12)

99.1 Paper

Table 1

Item	Description	A.C
1	J Paper	57B1
2	JD Paper	57B2
3	C2 Paper	57B3
4	Plain (XEROX)	5711
5	Plain (Other makers)	57B4
6	Recycled Paper (XEROX)	5712
7	Recycled Paper (Other makers)	57B5
8	Heavyweight	57B6
9	Tracing Paper	5714
10	Transparency Paper (FX)	5713
11	Transparency Paper (Other makers)	57B7
12	Tack Film	57B8
13	Labels	57B9
14	Postcard	57BB
15	Tab Stock Paper	57BC
16	Hole Punched Paper	57BD
17	Heavyweight 2	57BK
18	Heavyweight 1 Side 2	75BL
19	Heavyweight 2 Side 2	75BG
20	Coated Paper	75BH
21	Coated Paper Side 2	75BJ

99.2 Consumables

Table 1

Item	Description	A.C
1	Toner (K)	409K
2	Toner (Y)	409L
3	Toner (M)	409M
4	Toner (C)	409N

99.3 Electrical Adjustment

Table 1

Table 1

Item	Description	A.C
1	Side Regi Adjustment (Tray 1)	77B1
2	Side Regi Adjustment (Tray 2)	77B2
3	Side Regi Adjustment (Tray 3)	77B3
4	Side Regi Adjustment (MSI Tray 5)	77B5
5	Side Regi Adjustment (HCF Tray 6)	77C3
6	Side Regi Adjustment (HCF Tray 7)	77C4
7	Lead Regi Adjustment (Tray 1)	77C5
8	Lead Regi Adjustment (Tray 2)	77C6
9	Lead Regi Adjustment (Tray 3)	77C7
10	Lead Regi Adjustment (MSI Tray 5)	77C9
11	Lead Regi Adjustment (HCF Tray 6)	77CB
12	Lead Regi Adjustment (HCF Tray 7)	77CC
13	White Ref Adjustment	771M
14	IIT Calibration DC945	7726
15	CCD Calibration	77CD
16	Light Axis Fluctuation Correction	77CE
17	Retrieval of Side 2 Shading Correction Dada	77CF
18	ROS Write Timing	77B7
19	Border Erase Adjustment	77B6
20	ATC SENSOR SET UP	77B8
21	Tone UP/DOWN Adjustment	77BC
22	NVM Initialization (IIT/IPS)	702A
23	NVM Initialization (SYS-System)	77BE
24	NVM Initialization (SYS-User)	702D
25	NVM Initialization (IOT)	77BF
26	NVM Initialization (INPUT DEVICE)	77CG
27	NVM Initialization (IISS-EXTENSION)	77CH
28	NVM Initialization (OUTPUT DEVICE)	77CJ
29	Lead Edge Border Erase Adjustment	77BH
30	Trail Edge Border Erase Adjustment	77BJ
31	Side Erase Adjustment	77BK
32	FS R/E Adjustment	77BL
33	SS R/E Adjustment	77BM
34	Temperature Adjustment	7751
35	Fixed R/E Change	77C1
36	Buzzer Level	77C2
37	Download (Reinstall)	77E1
38	Download (Version UPI)	77E2

Item	Description	A.C
39	HDD Initialization (Partition 1)	77CK
40	HDD Initialization (Partition 2)	77CL
41	HDD Initialization (Partition 3)	77CM
42	HDD Initialization (Partition 4)	77CN
43	HDD Initialization (Partition 5)	77CP
44	HDD Initialization (Partition 6)	77CQ
45	HDD Initialization (Partition 7)	77CR
46	HDD Initialization (Partition 8)	77CS
47	HDD Initialization (ALL Partitions)	77CT
48	Finisher Folding Position Adjustment (Booklet)	77CV
49	Finisher Folding Position Adjustment (Bi-Fold)	77CW
50	Finisher Folding Position Adjustment (Z-Fold)	77CX
51	Finisher Folding Position Adjustment (Z Tri-Fold)	77CY
52	Finisher Folding Position Adjustment (C Tri-Fold)	77CZ
53	Other NVM Changes	7760
54	Other Diag. Adjustment	77BN
55	Auto Gradation Correction	77F1
56	Smile Correction	77F2
57	ATC Sensor Setup	77F3
58	Belt Edge Lean Mode	77F4
59	Tone Up/Down	77F5
60	Secondary Transfer Output Adjustment	77F6

99.4 Mechanical Adjustment

Table 1

Item	Description	A.C
1	Full/Harf Parallel Adjutment	1050
2	Contact Arc Adjustment	434P

99.5 Originals

Table 1

Item	Description	A.C
1	Photo Originals	572B
2	Printed Originals	572C
3	Maps and Low Contrast Originals	572D
4	Paste-up Originals	572E
5	Dirty/areased Originals	572F
6	Colored Originals	572G
7	Other Originals	572H

99.6 Accessories Related

Table 1

Item	Description	A.C
1	Accessories Related	80AA
2	EP-SV unit	8050
3	Cable between M/C and EP-SV	8051
4	Cable between EP-SV and Related product	8052
5	TEL line for EP-SV	8053
6	AC Adaptor for EP-SV	8054

99.7 Applications/Environment

Table 1

Item	Description	A.C
1	Corrective Action Failure (Within User Guide)	9051
2	Corrective Action Failure (Out of User Guide)	9052
3	Operation Failure (Within User Guide)	9053
4	Operation Failure (Out of User Guide)	9054
5	No reoccurrence after Power OFF/ON	9055
6	Disturbance from surrounding machines	9040
7	Power supply at customer's site	7123

99.8 DMP/Network Functions Related

Table 1

Item	Description	A.C
1	Use Environment	90AA
2	DMP Function	9060
3	Problems at remort station when data is sent (storage destination of Push-Scan etc, PC/server etc)	9061
4	Problems at sent station when data is received (PC/server etc)	9062
5	Problems at Accounting Server *1(made by other than FX)	9063
6	Problems at Authentication Server (Kerberos etc)	9064
7	Problems at Directory Server (LDAP etc)	9065
8	Problems at Timer Server	9066
9	Problems at Router	9067
10	Problems at HUB	9068
11	Problems at USB Device (Commercial item)	9069
12	Problems at Memory Media (Commercial item)	906B
13	Problems at Wireless LAN	906C
14	Network-related Services SW *2	9070
15	CentreWare Easy Operator	9071
16	CentreWare Easy Admin	9072
17	Job Flow Creation Tool	9073
18	CentreWare Flow Services	9074
19	CentreWare Scan Services	9075
20	DocuHouse	9076
21	CentreWare Device Portal Service	9077
22	DocuShare/ArcWizShare	9078
23	FreeFlow related (XDOD)	9079
24	Print/Scan Driver	907B
25	XDOM	907C

NOTE:

*1: Accounting Server is a server with SW such as DocuHouse that performs auditor ad ministraton. Use this code for a non-FX-made server.

*2: If the service operating on the remove terminal that has a problem is a non-FX product, use Area Code 906X under DMP function. If it is FX-made SW, use Network Connection Service SW Area Code 907X.

Navi 1.1 Processor + Option

Navi 1.1

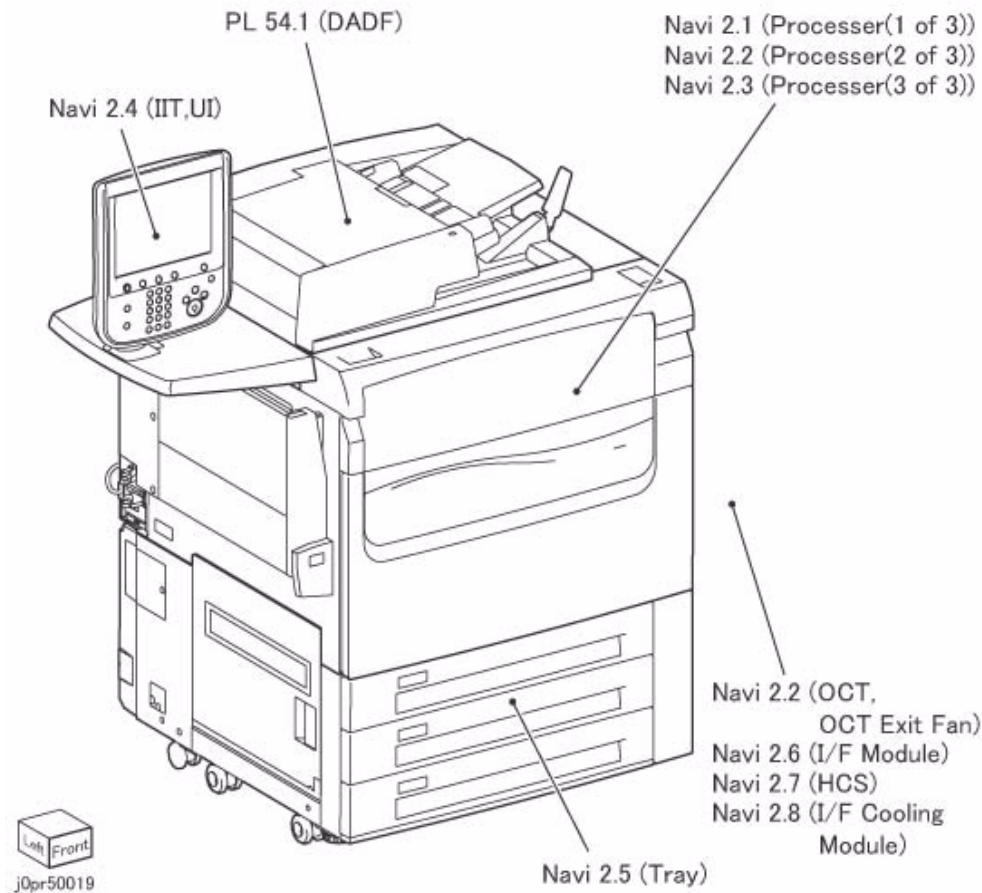


Figure 1 j0pr50019

Navi 2.1 Processor (1 of 3)

Navi 2.1

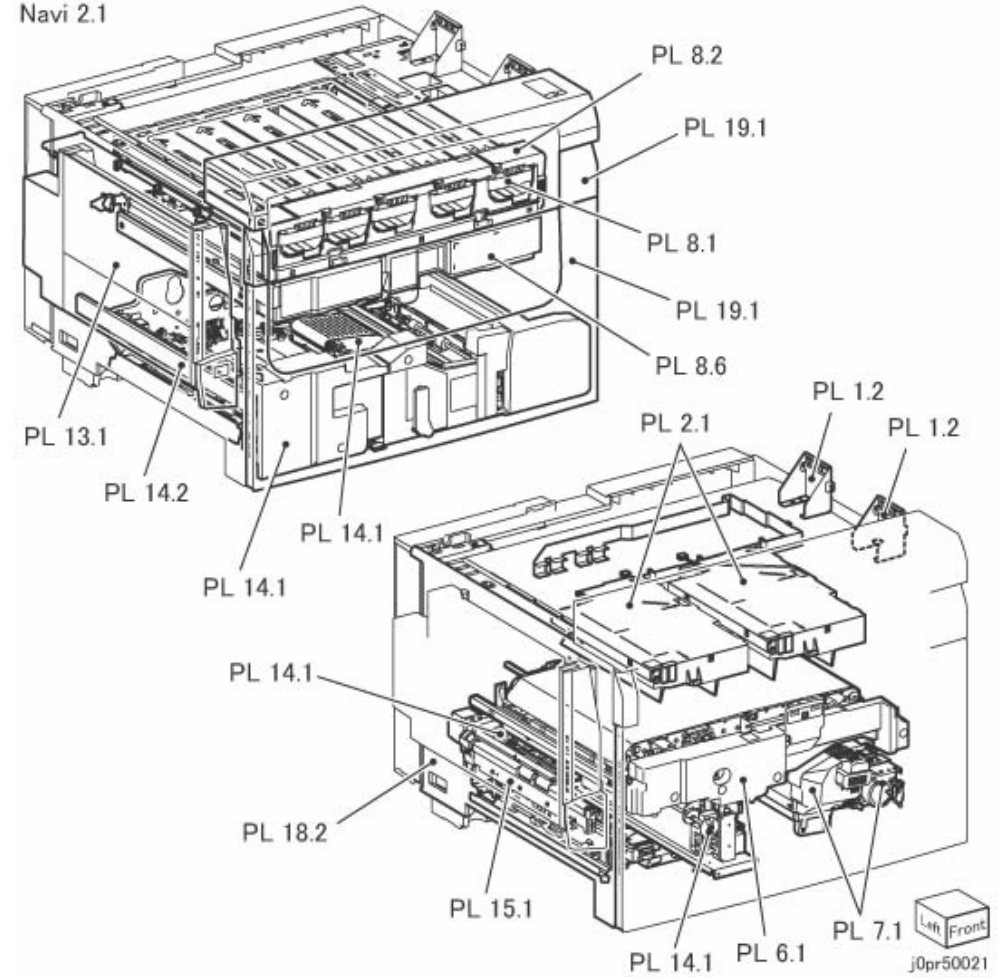


Figure 1 j0pr50021

Navi 2.2 Processor (2 of 3)

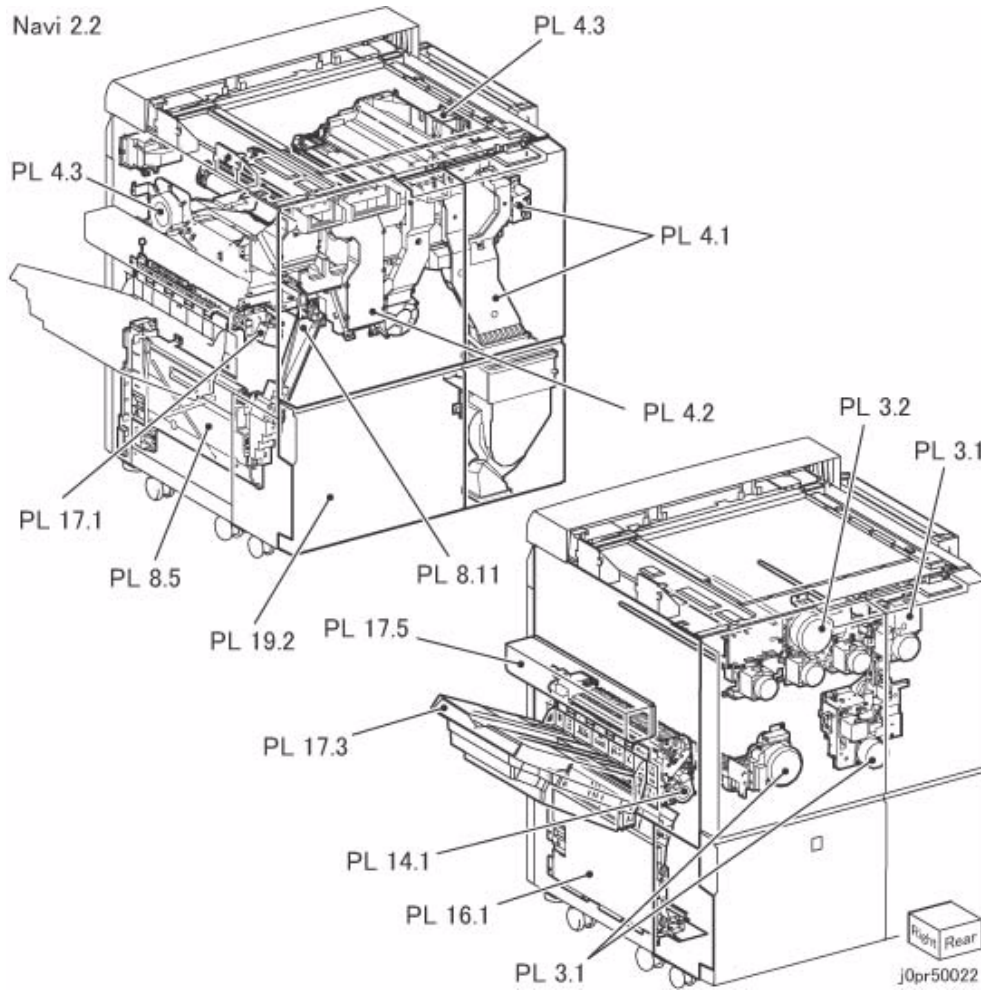


Figure 1 j0pr50022

Navi 2.3 Processor (3 of 3)

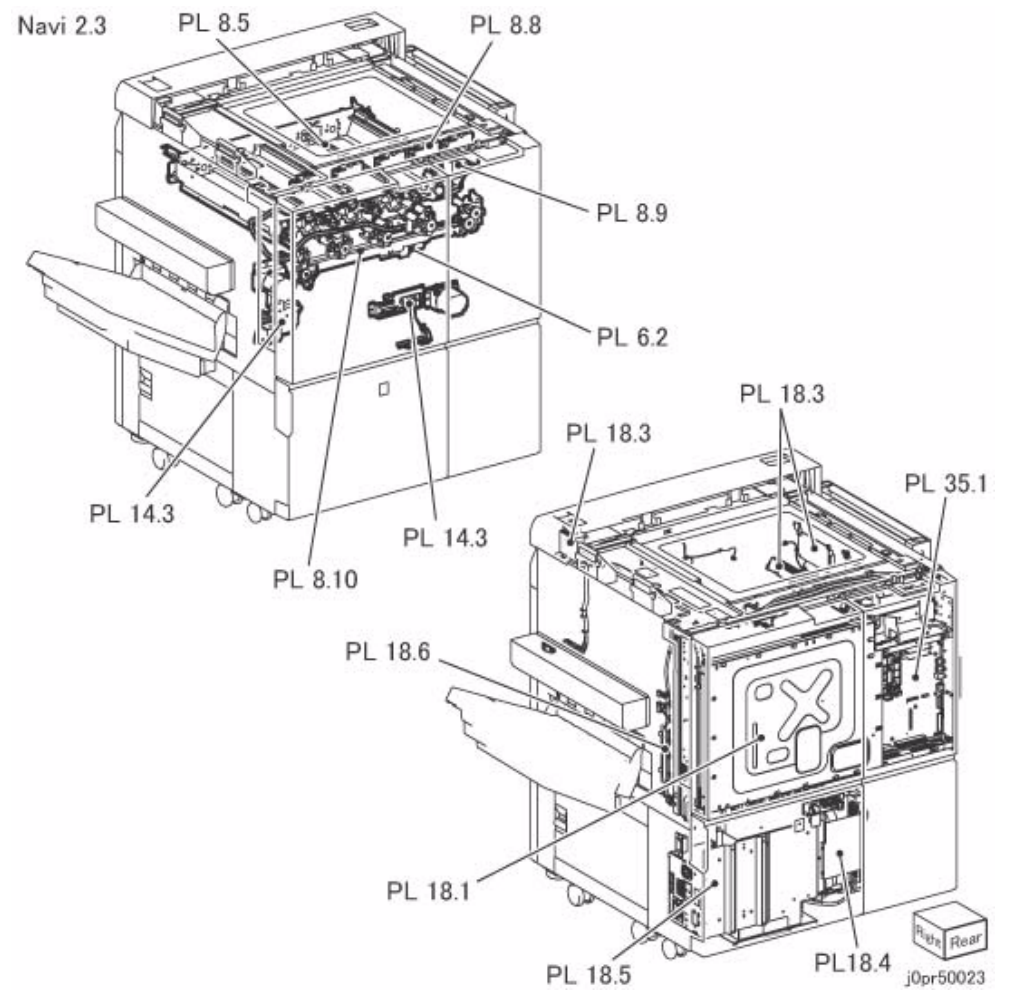


Figure 1 j0pr50023

Navi 2.4 IIT,UI

Navi 2.4

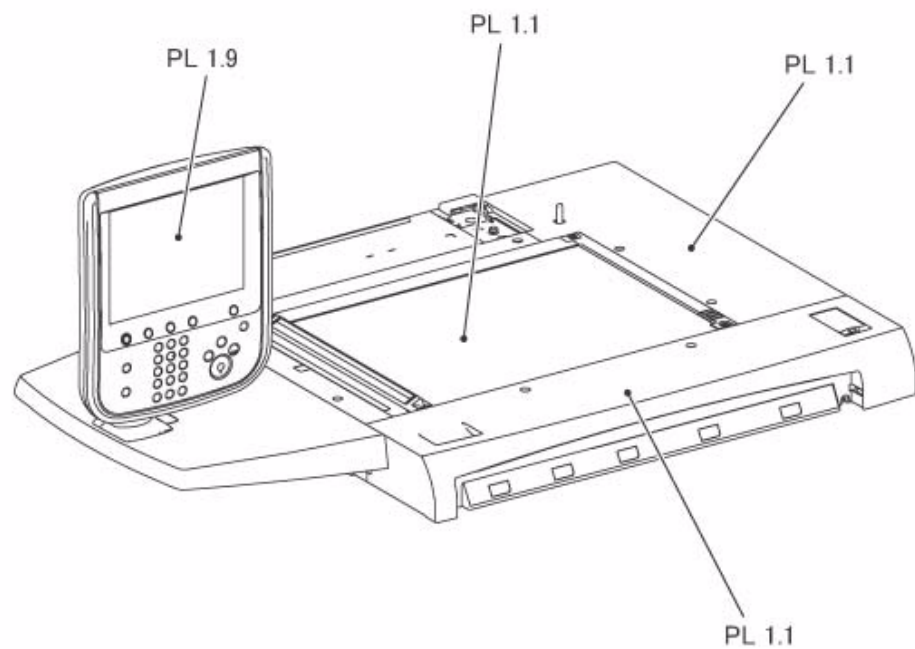


Figure 1 j0pr50024

Navi 2.5 Tray Module

Navi 2.5

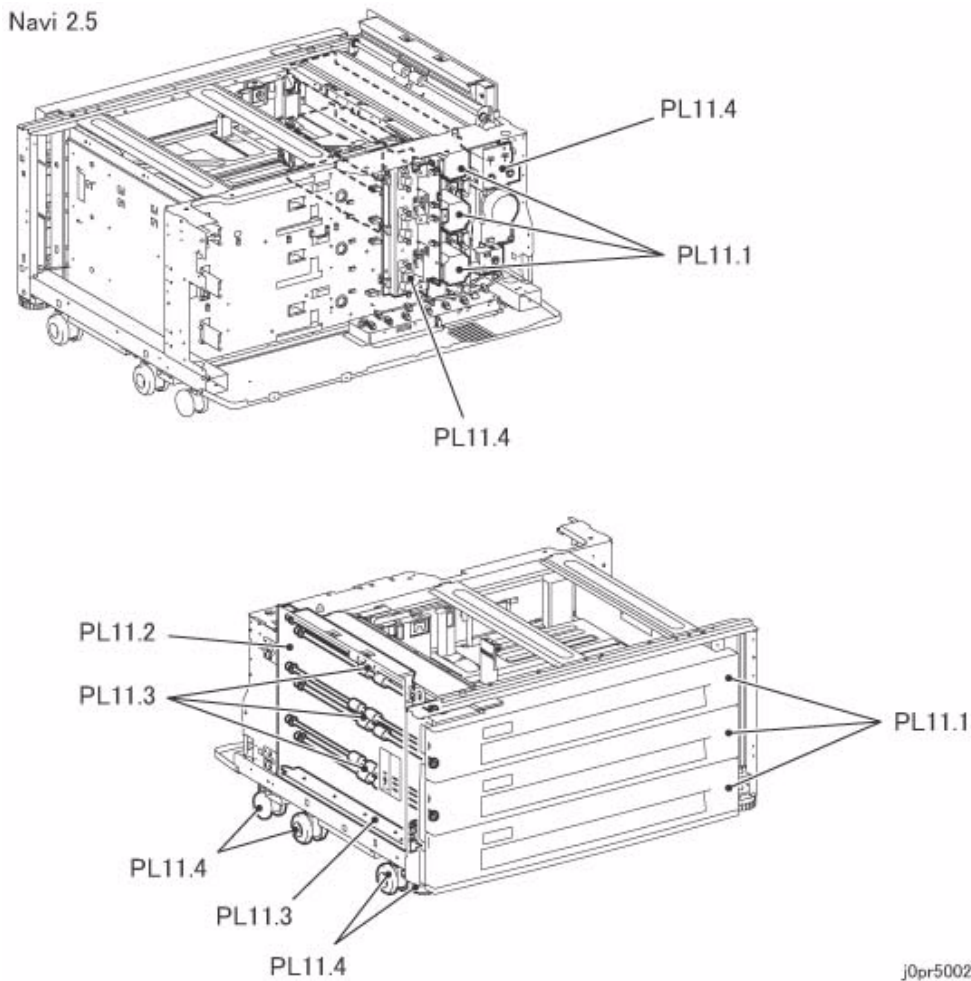
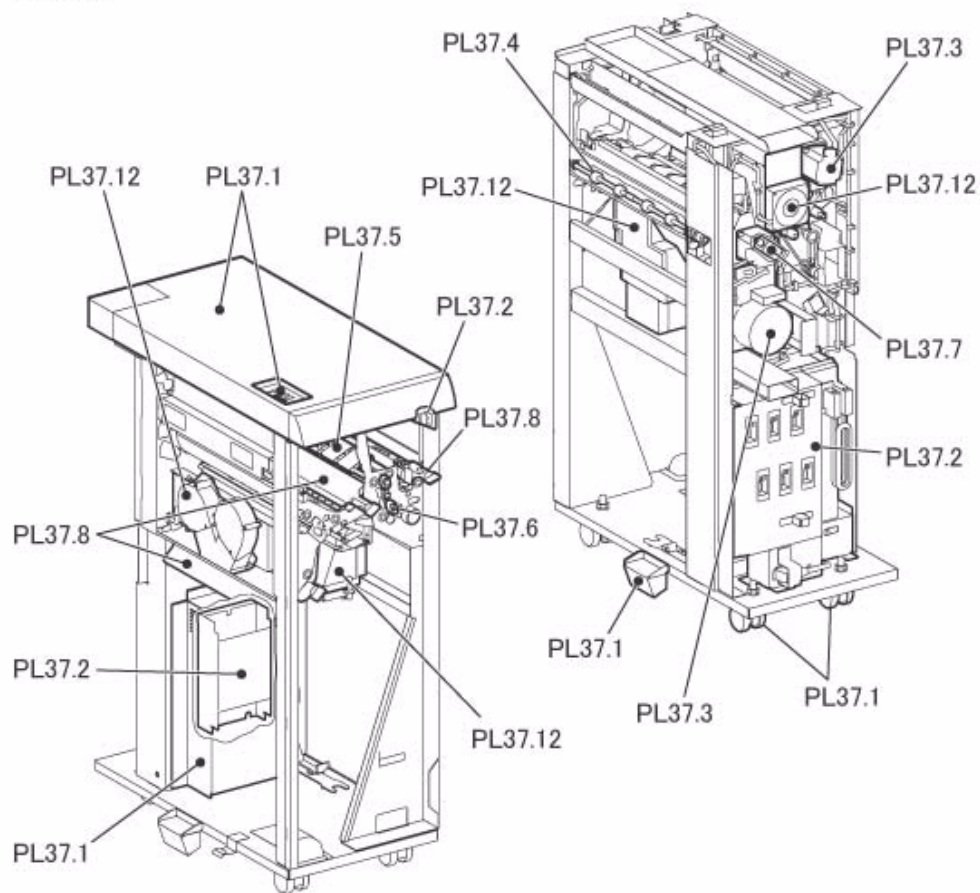


Figure 1 j0pr50025

Navi 2.6 I/F Module

Navi 2.7 HCS

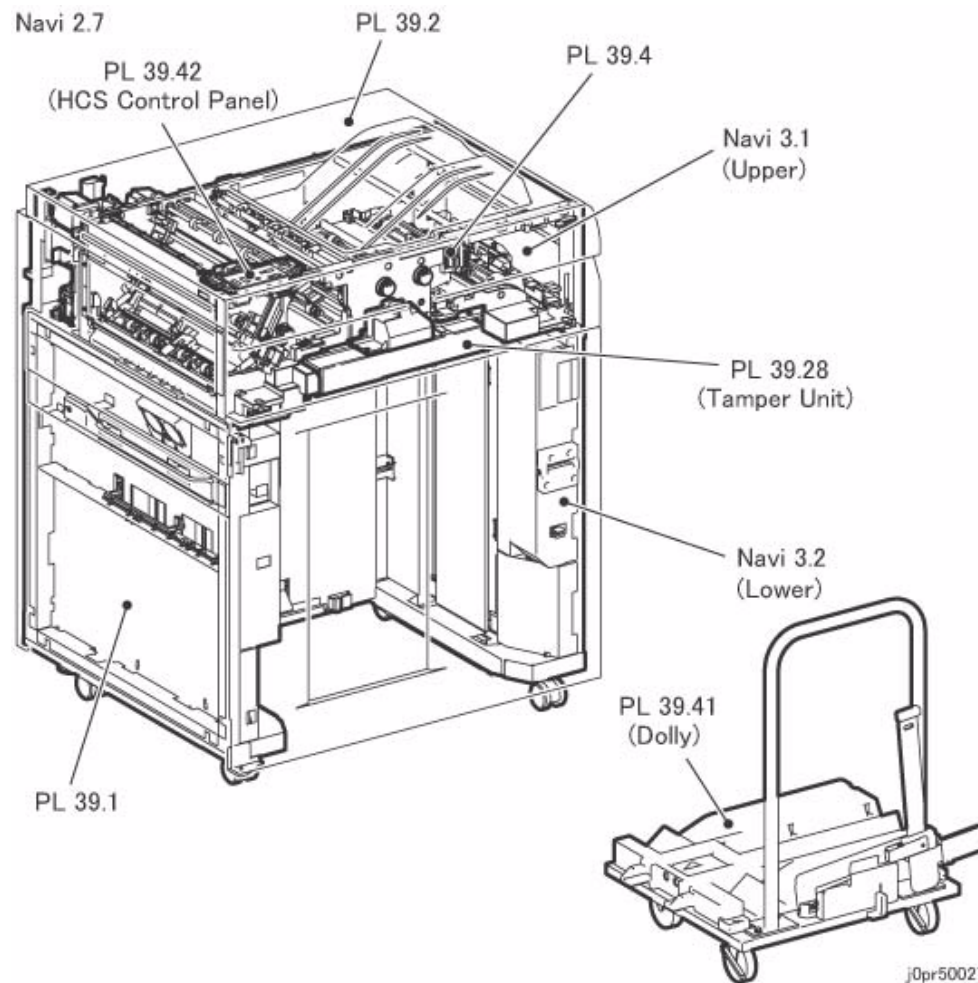
Navi 2.6



j0pr50026

Figure 1 j0pr50026

Navi 2.7

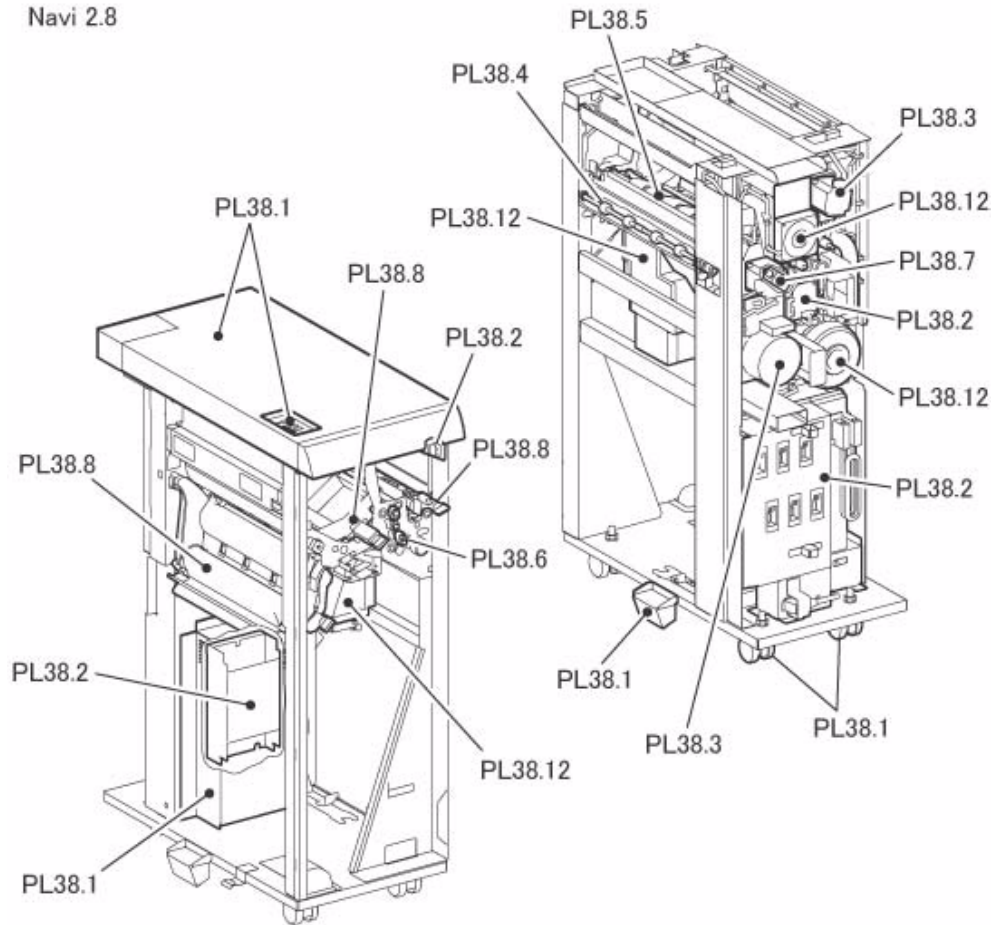


j0pr50027

Figure 1 j0pr50027

Navi 2.8 I/F Cooling Module

Navi 2.8

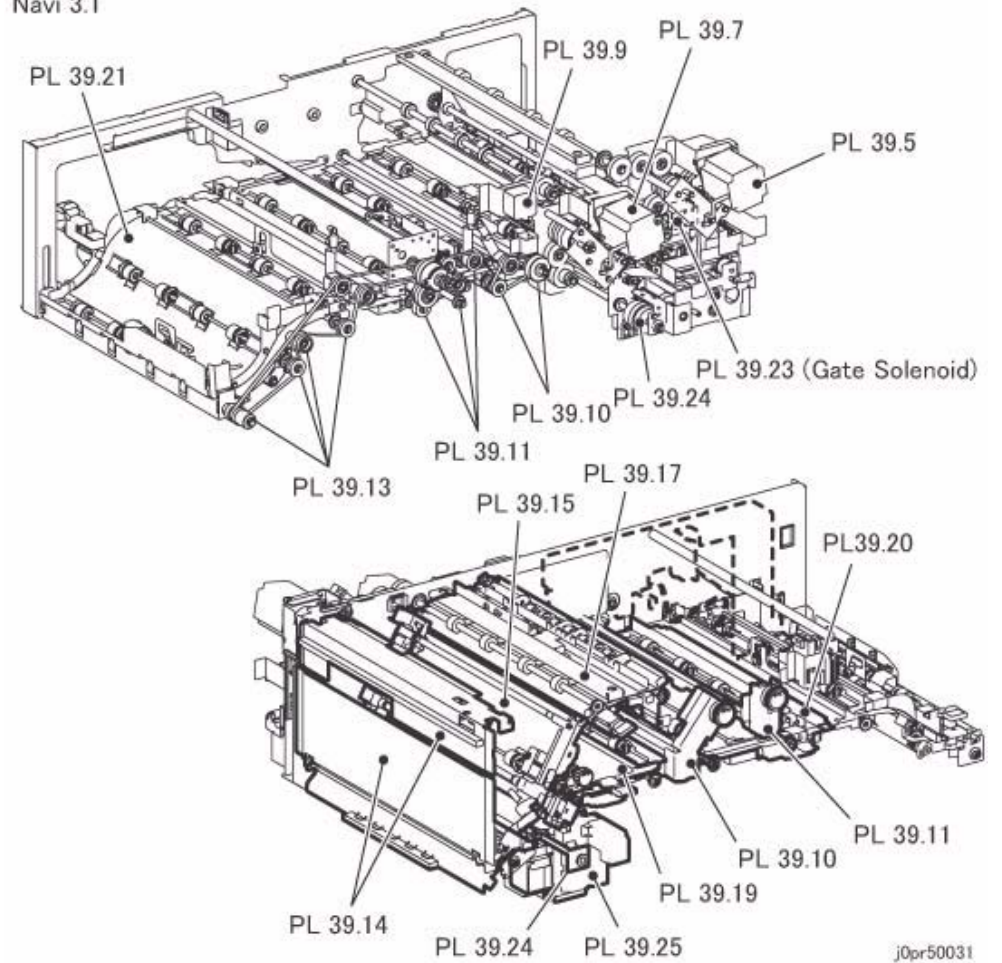


j0pr50028

Figure 1 j0pr50028

Navi 3.1 HCS Upper

Navi 3.1



j0pr50031

Figure 1 j0pr50031

Navi 3.2 HCS Lower

Navi 3.2

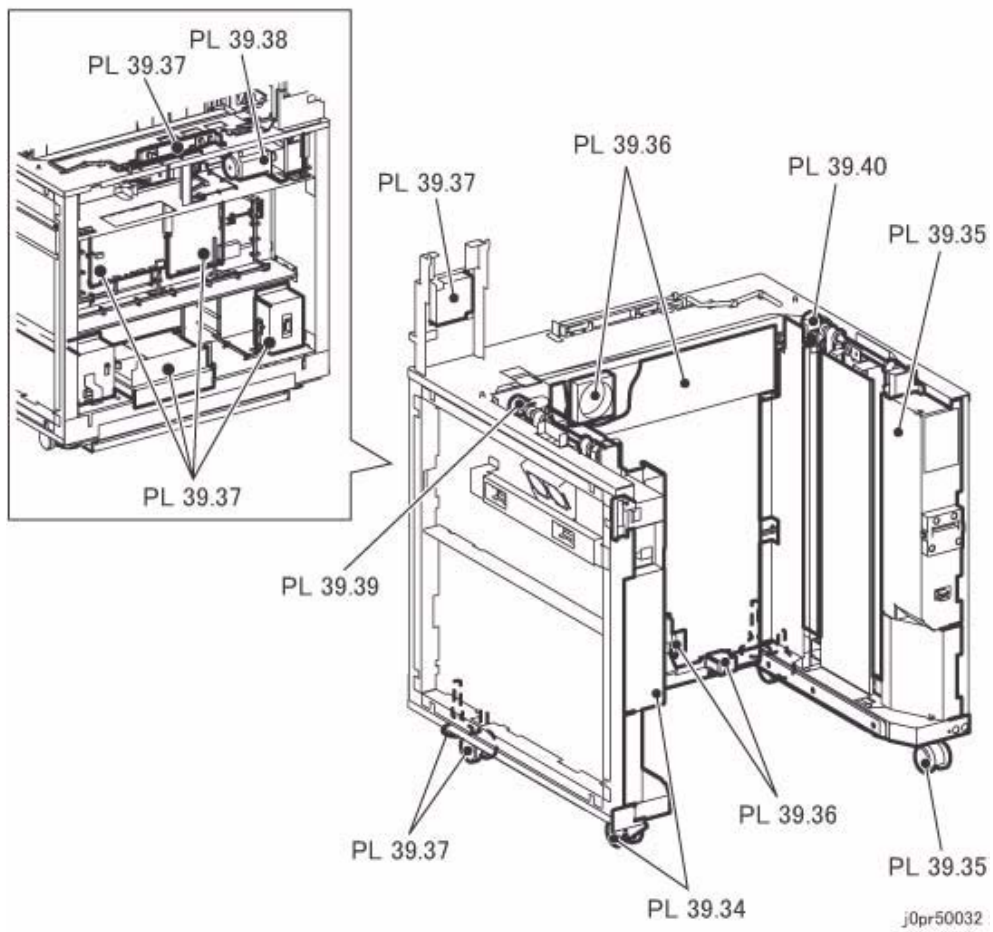


Figure 1 j0pr50032

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6.1.1 Product Name/FWSS Code/XJ Code/Product Code

Product Code

Table 1 Product Code

Destination	Product Name	FWSS Code	XJ Code	Product Code
FX	Color C75 Press		ZGA	ND200084
	Color C75 Press Type S	CC75PS		LD200115 *1
	Color C75 Press Type H	CC75PH		LD200116 *2
APO	Color C75 Press	---	ZHW	TD200162
	Color J75 Press	---	ZHZ	TD200158
GCO (FXCL)	Color C75 Press	---	ZHY	TD200165
	Color J75 Press	---	ZJA	TD200161

*1: This product operates by the following Set Code configuration. (When not installed with an HCF other than the 2000HCF)

- Main Unit (ND200084)
- Large Color Control Panel (EC101473)
- Large Color Control Panel Installation Kit (EC101838)

*2: This product operates by the following Set Code configuration. (When 2000B1 HCF/4000C1 HCF/4000C2 HCF is installed as default configuration)

- Main Unit (ND200084)
- Large Color Control Panel (EC101473)
- Large Color Control Panel Installation Kit (EC102060)

Options

Table 2

Product Name	Product Code	FX Color C75 Press	APO/GCO Color C75 Press	APO/GCO Color J75 Press	Remarks
Large Color Control Panel*1	EC101473	O			Standard installation is at the left side.
	EC101537		O	O	
	EC101540		O	O	
	EC101538		O	O	
	EC101539		O	O	
Large Color Control Panel Installation Kit*1	EC101838	O	O	O	This is a required option for the Large Color Control Panel. However, only when not installed with an HCF other than the 2000HCF.
Large Color Control Panel Installation Kit 2	EC101787	O	O	O	Large Color Control Panel Installation Kit for High Capacity Feeder (HCF B1-S/C1-DS/C2-DS). However, only when the HCF is installed later.
Large Color Control Panel Installation Kit (High Capacity Feeder)	EC102060	O	O	O	Large Color Control Panel Installation Kit for High Capacity Feeder (HCF B1-S/C1-DS/C2-DS). However, only when the HCF is installed together with the Main Unit.
Wing Table *2	ED200022	O	O		This can only be installed at the right side for machines with OCT. [Color C75 Press Only]
High Capacity Feeder (1 Level)	QM100019	O	O	O	1 Level Tray for A4
High Capacity Feeder B1-S	QC100078	O	O	O	
High Capacity Feeder C1-DS	QD200044	O	O		Color C75 Press Only
High Capacity Feeder C2-DS	TD200181			O	Color J75 Press Only
Guide Assembly-Post	ED200260	O	O	O	Postcard loader guide for High Capacity Feeder (B1-S/C1-DS/C2-DS). This option is for when a second set is required.
Offset Catch Tray	ED200026	O	O		Color C75 Press Only
Catch Tray Fan Kit*3	ED200617	O			Color C75 Press Only
	ED200619		O		Color C75 Press Only
High Capacity Stacker (Dolly Kit bundle)	QM200043	O	O	O	
Stacker Cart (Dedicated Cart for High Capacity Stacker)	EM200254	O	O	O	
High Capacity Stacker Panel Tilt Kit	EM200245	O	O	O	
Finisher C2	QC100080	O			Color C75 Press Only
Center-binding Finisher C2	QC100081	O			Color C75 Press Only
Finisher C2	EC101794		O		Color C75 Press Only
Center-binding Finisher C2	EC101795		O		Color C75 Press Only
Finisher C 2/3H Punch Unit (US Standard)	EC101183	O	O		Color C75 Press Only
Finisher D4	QM200039	O			Does not come with Power Cord and I/F Cable
	EM200246		O	O	Does not come with Power Cord and I/F Cable
Center-binding Finisher D4	QM200040	O			Does not come with Power Cord and I/F Cable
	EM200247		O	O	Does not come with Power Cord and I/F Cable
Finisher D4 2/3H Punch Unit	EM200170	O	O	O	

Table 2

Product Name	Product Code	FX Color C75 Press	APO/GCO Color C75 Press	APO/GCO Color J75 Press	Remarks
Folder Unit D4	QM200041	○			
	EM200248		○	○	
Trimmer/Square Folder	QM200042	○	○	○	Bundled with an I/F Cable with Trimmer support (962K65152)
Interface Cable (Short)	EM200215	○	○	○	This I/F Cable (640 mm) is required for installing the IFM, ICM, and HCS
Interface Cable (Medium)	EM200289	○	○	○	This I/F Cable (850 mm) is required for installing the Finisher D4
Interface Cable	EM200216	○	○	○	This I/F Cable (1,680 mm) is required for installing the Finisher D4
IFM (Interface Module)	QD200045	○	○		This does not come bundled with a Power Cord. [Color C75 Press Only]
ICM (Interface Cooling Module)	TD200159			○	This does not come bundled with a Power Cord. [Color J75 Press Only]
IOT Power Cord	EM200112		○	○	Power Cord 1 (AUS/NZ)
	EM200113		○	○	Power Cord 1 (SIN/MAS/HKG)
	EM200114		○	○	Power Cord 1 (VN/ID/KOR)
	EM200115		○	○	Power Cord 1 (TH/PHI)
	EM200116		○	○	Power Cord 1 (CN)
	EM200117		○	○	Power Cord 1 (TW)
	Option Power Cable	EM100188	○		
ED200145			○	○	Power Cord 2 (AUS/NZ) For HCF (B1-S/C1-DS/C2-DS), D3-Fin/D4-Fin, Trimmer, HCS, IFM, ICM.
ED200146			○	○	Power Cord 2 (HK/MAL/SNG) For HCF (B1-S/C1-DS/C2-DS), D3-Fin/D4-Fin, Trimmer, HCS, IFM, ICM.
ED200147			○	○	Power Cord 2 (VT/IND) For HCF (B1-S/C1-DS/C2-DS), D3-Fin/D4-Fin, Trimmer, HCS, IFM, ICM.
ED200148			○	○	Power Cord 2 (PHI) For HCF (B1-S/C1-DS/C2-DS), D3-Fin/D4-Fin, Trimmer, HCS, IFM, ICM.
EL200915			○	○	Power Cord 2 (TH) For HCF (B1-S/C1-DS/C2-DS), D3-Fin/D4-Fin, Trimmer, HCS, IFM, ICM.
EL200600			○	○	Power Cord 2 (CHN) For HCF (B1-S/C1-DS/C2-DS), D3-Fin/D4-Fin, Trimmer, HCS, IFM, ICM.
ED200168			○	○	Power Cord 2 (KOR) For HCF (B1-S/C1-DS/C2-DS), D3-Fin/D4-Fin, Trimmer, HCS, IFM, ICM.
EM200238			○	○	Power Cord 2 (TFX) For HCF (B1-S/C1-DS/C2-DS), D3-Fin/D4-Fin, Trimmer, HCS, IFM, ICM.

Table 2

Product Name	Product Code	FX Color C75 Press	APO/GCO Color C75 Press	APO/GCO Color J75 Press	Remarks
GBC Advanced Punch A4 Size APO/GCO	ED200555		○	○	APO/GCO Only
Mounting Plate for Bustle DFE	ED200270		○		Color C75 Press (APO/GCO) Only
Web Applications Kit	ED200598	○			SW Key
Watermark Extension Kit	ED200599	○			SW Key
Data Security Kit	ED200600	○			SW Key
Authentication Customization Kit	ED200601	○			SW Key
USB Memory Storage Kit	ED200641	○			SW Key
Extensible Customization Kit	ED200610		○	○	SW Key
Network Accounting Kit	ED200597		○	○	SW Key
Scan to USB	ED200638		○	○	SW Key
Scan Feature Extension Kit / Advanced Scan Kit	EM100321	○	○	○	High Compression PDF, Searchable PDF (Scan OCR feature)
Gigabit Ethernet Board	EC101517	○	○	○	
USB Expansion Kit / USB Hub	EC101776	○	○	○	
Earthquake Preparedness Kit (for High Capacity Stacker)	EM200239	○	○	○	
Earthquake Preparedness Kit *4	ZB38	○	○	○	This is a dedicated Earthquake Preparedness Kit for the Main Unit, HCF (B1-S/C1-DS/C2-DS), Finisher D4, and Booklet Finisher D4
Plinth Kit (For DocuColor 1250 HCF)	EC100079	○			W 700 mm x D 760 mm (level surface 725 mm)
Plinth Kit (For DocuColor 1250 10-Pin Output Device)	WU84	○			W 930 mm x D 760 mm (level surface 725 mm)
APO/GCO CAP Kit			○		

*1: Although this component is included in the Main Unit price, it is packaged separately and needs a separate order from the Main Unit.

*2: This option can only be installed at the right side of the Main Unit. Therefore, it cannot be installed when an output unit other than the Offset Catch Tray is connected.

*3: This option is required when connecting the Offset Catch Tray as an output unit.

*4: Production of this option will only start after we receive an order from the customer. (It requires a separate cost for additional installation work.)

6.1.3 Software Keys

6.1.3.1 Options Requiring Software Keys

O: With option setting, -: Without option setting

Table 1

Optional Product Name	Product Code	FX	APO/GCO	
		Color C75 Press	Color C75 Press	Color J75 Press
Scan Feature Extension Kit (Advanced Scan Kit)	EM100321	O	O	O
Watermark Extension Kit (Copy Management Expansion Kit)	ED200599	O	Standard	Standard
Data Security Kit	ED200600	O	Standard	Standard
Network Accounting Kit (Job Based Account Kit: APO/GCO)	ED200597	-	O	O
USB Memory Storage Kit	ED200641	O	-	-
Scan to USB	ED200641	-	O	O
Web Applications Kit (WEB UI Kit)	ED200598	O	Standard	Standard
Extensible Customization Kit	ED200610	-	O	O
USB Expansion Kit (USB Hub)	EC101776	O	O	O
Authentication Customization Kit	ED200601	O	-	-

These software keys support the Main Unit built-in functions and are used for the standard functions recovery at reset. Therefore, they do not need to be set at installation.

- When the Software Key is included in the license agreement (FX/APO/GCO)
Use the password (Software Key) included in the license agreement to perform the setting.
The password (Software Key) was obtained at the factory (Odep) or the central warehouse. After the password was obtained, it is recorded in the license agreement and bundled with the machine)
If the password (Software Key) was obtained from places other than the factory (Odep), settings must be made at the Main Unit (Software Key/Passcode).
- When the Software Key is not bundled together (FX only)
Obtain and set by using the following method.
If the Software Key is not included, contact our Support Centre or an office with access to our Intranet by E-mail or phone. Tell them your Inquiry Code and Main Unit Serial Number (+Check Digit) to request for the key.
Furthermore, if you are unable to enter the Intranet from the customer's location, you can also use a PC or a mobile phone to obtain the Software Key via the Internet. (Fax support is no longer available. you have to obtain the Software Key through the Internet.)

- Contacts to obtain S/W Key by E-mail or phone
Support Center: FUJIFILM Logistics Co., Ltd.
E-Mail: ej-call-1@lg.kdc.fujixerox.co.jp
TEL: 0120-200-872 or 7-637-555
Office Hours: Weekdays: 9:30-17:30 (Lunch Break: 12:00-13:00)
- Address to obtain S/W Key through the Intranet
URL: <http://swkey.ssc.fhxq.fujixerox.co.jp:8881>
- Address to obtain S/W Key through the Internet
URL (PC): <https://swkey.fujixerox.co.jp/>

NOTE: For customers who have already registered in the Intranet, delete the "" in the User ID (E-mail Address field) and User Code, and then type in the password for the Intranet.

All other applicant information columns can be left blank. For customers who have not registered in the Intranet or have forgotten their password, fill up all applicant information fields other than the User Code field containing "".

URL (mobile phone): <https://swkey.fujixerox.co.jp/swkey/SWHttpServletM>

NOTE: User registration is required before working via the Intranet (User ID and Password are required). For better efficiency, record your User ID and Password in your mobile phone or E-mail memo tool and use Cut & Paste to enter them.

6.1.3.2 Provision of/How to Obtain the Software Keys

There are 3 ways in which the Software Keys are provided/can be obtained.

- Listed in the NVM Setting List (FX/APO/GCO)

6.1.4 Machine Size

Main Unit

Width:

1162 mm +/-5 mm (w/ S104 UI, w/ MSI (Close))

Depth:

777 mm +/-5 mm (IOT, with the Stand Alone Type DFE connected)

913 mm +/-5 mm (with the Bustle Type DFE (136 mm) connected)

Height:

1409 mm +/-5 mm

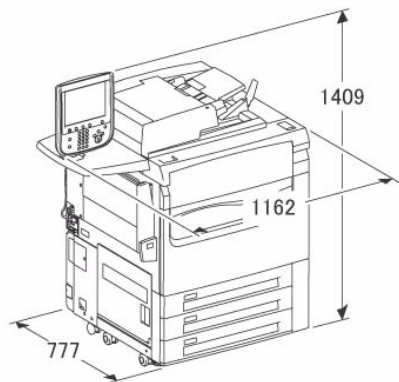


Figure 1 j0pr60001

6.1.5 Machine Weight

1. Measurement Conditions

Not including the Output Tray, Paper, and New Toner Cartridges. Includes the Power Cord.

Table 1

Main Unit	Weight
Color C75 Press/Color J75 Press	282 kg or lighter

2. Weight of Options

Table 2

Option Name	Weight
DFE Bustle	5.6 kg or lighter
OCT	6 kg or lighter
2000 HCF	29 kg or lighter
2000B1-S	177 kg or lighter
4000C1-DS	190 kg or lighter
4000C2-DS	205 kg or lighter
Finisher C2	55 kg or lighter
Finisher C2 with Booklet Maker	86 kg or lighter
Finisher D4 with Booklet Maker	150 kg or lighter
D4 Folder Unit	40 kg or lighter
HCS	144 kg or lighter + Dolly 11 kg or lighter
Interface Module	50 kg or lighter
Interface Cooling Module	55 kg or lighter
Square Fold & Trimmer Module	100 kg or lighter
GBC Advanced Punch	70 kg or lighter

6.1.6 Installation Space

1. Main Unit + OCT/OCT Exit Fan [Color C75 Press Only] (1814 x 2002: W x D) (Figure 1)

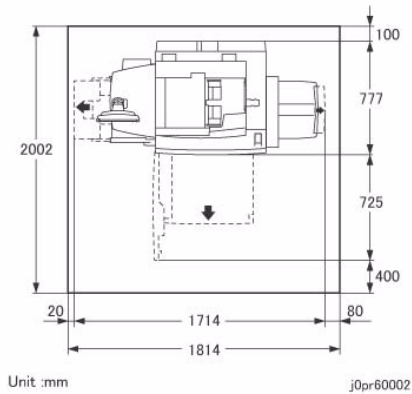


Figure 1 j0pr60002

2. Main Unit + Finisher C2 w/Booklet [Color C75 Press Only] (2336 x 2002: W x D) (Figure 2)

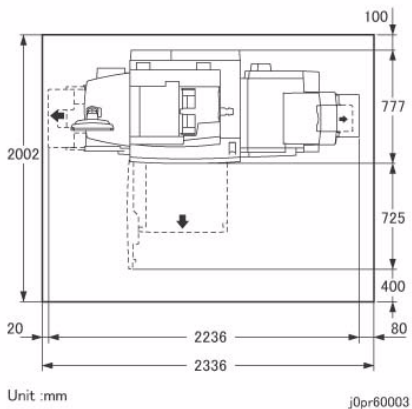


Figure 2 j0pr60003

3. Main Unit + 2000 HCF + OCT [Color C75 Press Only] (1814 x 2002: W x D) (Figure 3)

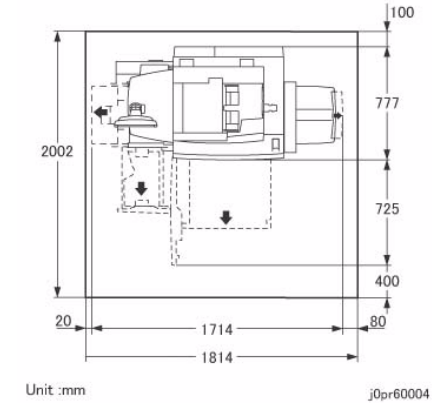


Figure 3 j0pr60004

4. Main Unit + 2000B1 HCF/4000C1 HCF/4000C2 HCF + OCT [Color C75 Press Only] (2257 x 2002: W x D) (Figure 4)

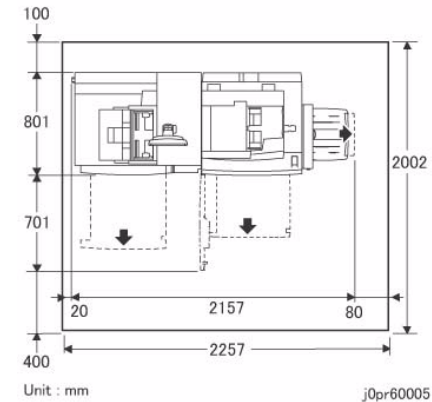


Figure 4 j0pr60005

5. Main Unit + 2000B1 HCF/4000C1 HCF/4000C2 HCF + Finisher C2 w/Booklet (2779 x 2002: W x D) (Figure 5)

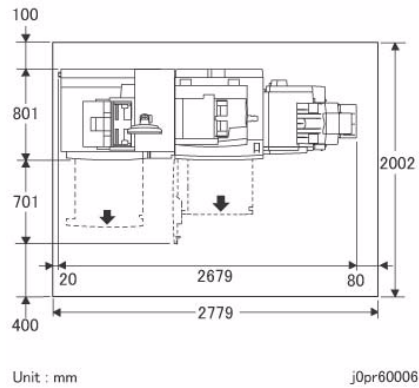


Figure 5 j0pr60006

6. Main Unit + IF Module + Finisher D4 w/Booklet (2815 x 2002: W x D) (Figure 6)

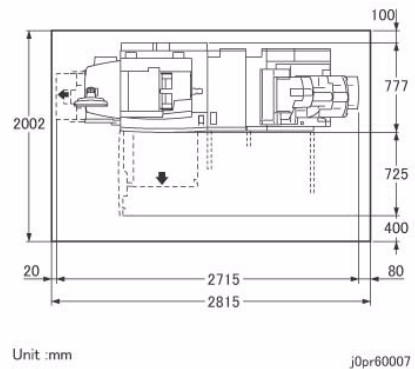


Figure 6 j0pr60007

7. Main Unit + Finisher D4 w/Booklet, w/Folder Unit (3015 x 2002: W x D) (Figure 7)

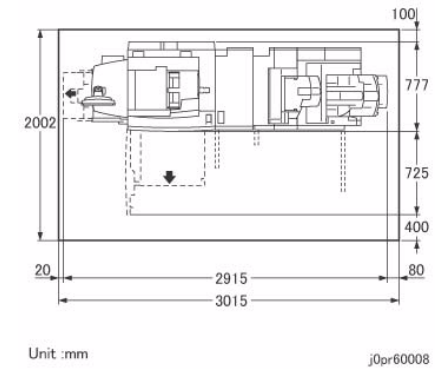


Figure 7 j0pr60008

8. Main Unit + 2000B1 HCF/4000C1 HCF/4000C2 HCF + IF Module + Finisher D4 w/Booklet (3258 x 2002: W x D) (Figure 8)

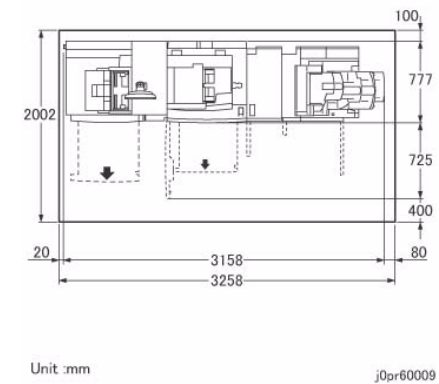
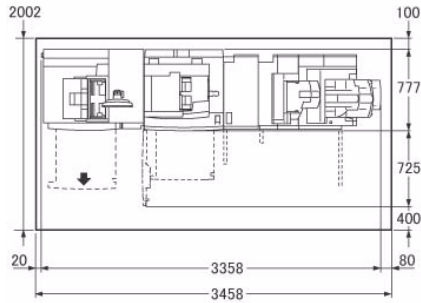


Figure 8 j0pr60009

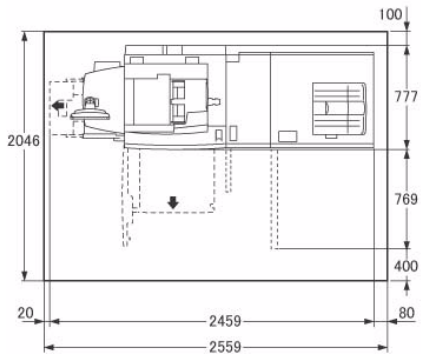
9. Main Unit + 2000B1 HCF/4000C1 HCF/4000C2 HCF + IF Module + Finisher D4 w/Booklet, w/Folder Unit (3458 x 2002: W x D) (Figure 9)



Unit :mm j0pr60010

Figure 9 j0pr60010

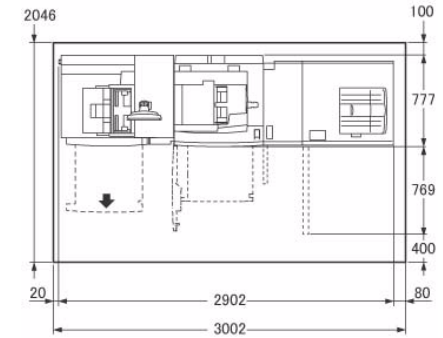
10. Main Unit + IF Module + HCS (2559 x 2046: W x D) (Figure 10)



Unit :mm j0pr60011

Figure 10 j0pr60011

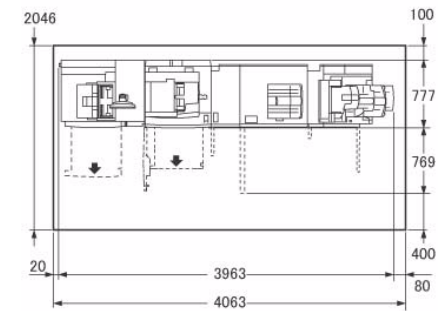
11. Main Unit + 2000B1 HCF/4000C1 HCF/4000C2 HCF + IF Module + HCS (3002 x 2046: W x D) (Figure 11)



Unit :mm j0pr60012

Figure 11 j0pr60012

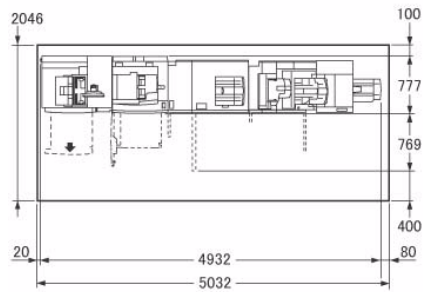
12. Main Unit + 2000B1 HCF/4000C1 HCF/4000C2 HCF + IF Module + HCS + Finisher D4 w/Booklet (4063 x 2046: W x D) (Figure 12)



Unit :mm j0pr60013

Figure 12 j0pr60013

13. Main Unit + 2000B1 HCF/4000C1 HCF/4000C2 HCF + IF Module + HCS + Finisher D4 w/Booklet, w/Folder Unit + Trimmer/Square Fold (5032 x 2046: W x D) (Figure 13)



Unit :mm

j0pr60014

Figure 13 j0pr60014

6.1.7 Electrical Specification

- Power Voltage and Frequency

The power voltage and frequency by destinations are as follows:

Table 1

Area	Power Supply Voltage (V)	Frequency (Hz)
Within Japan	200 +/- 10%	50/60 +/- 3%
APO/GCO	220-240 +/- 10%	50/60 +/- 3%

- Maximum Power Consumption

Power consumption in the Full System is shown in the following table:

(unit: KVA)

Table 2

Applicable Area	Voltage (V)	Power Consumption (KVA)
Within Japan	200	3.0 or lower
APO/GCO	220-240	3.3 or lower

6.1.8 Noise

Table 1

	Color C75 Press/Color J75 Press	
	Main Unit	Full system*1
A characteristic power level during Standby (Unit: B)	5.8	5.8
A characteristic power level during operation (Unit: B)	8.1	8.4

*1: The Full System configuration is Main Unit + 4000C1 HCF + Finisher D4 + IFM + HCS

6.1.9 Installation Environment

- Temperature: 10 to 32 Degree Celsius
- Humidity: 15 to 85% (No condensation)

NOTE: When temperature is 32 Degree Celsius, humidity is 62.5% or lower. When humidity is 85%, temperature is 28 Degree Celsius.

- Operating Air Pressure: Operates properly at altitude between 0 to 8200 feet (0 to 2500 m).
- Levelness: Operates properly as long as it is within 5 mm at the front and rear and 10 mm at the left and right from the installation floor.
- Operation Surrounding Illumination: Operates properly without malfunctions at 3,000 lx or lower (no direct sun light).

6.1.10 Warm Up Time

The time required before a print operation can be performed after the Main Power is turned ON is as follows.

Measurement Conditions: Rated at room temperature of 20 Degree Celsius and 65% RH humidity. The copy is made using Uncoated 64-79 gsm paper in BW Priority mode other than ASRS mode.

Basic Configuration: Standard Main Unit + Finisher D (with no Finisher options)

Table 1

Right after the main power is turned ON	[Time until start of printing] *1 Right after the power (Sub Power) is turned ON
120 s or faster	120 s or faster

*1: [The time from Power ON to the UI entering Standby] or [The time from Power ON to the output of 1st sheet minus the time from Standby to the output of 1st sheet], whichever one is longer.

6.1.11 First Print Output Time (FPOT)

The FPOT is the total time taken for IOT FPOT + PDL generation time + transmission time + Decompose time.

- IOT FPOT: The time taken from when the start command is received by a machine in Standby until the tail edge of the 1st sheet is output from the IOT exit area. (However, this excludes Jobs where the machine had just recovered from Low Power Mode/Semi Low Power Mode/Sleep Mode)

Prerequisite [FX/APO/GCO]

Table 1

Item/Destination	Description	
Client PC	DELL GX620 (Pentium 4 3.2G or 3.4G, Memory: 1GB)	
OS/Application	FX	Windows XP (Japanese)/ Office 2003, Acrobat 8.0, DocuWorks 6.0
	APO/GCO	Windows XP (English), Windows XP (SC, TC, or K edition depending on destination)/English edition of various Applications equivalent to their Japanese edition version, Office 2003 (SC, TC, or K edition depending on destination) *Measured only for the destination products
Connection Interface	lpr direct connection (100 Base-TX, without using a hub)	
PDL	FX	Measured in ARTEX (PS is reference value)
	APO/GCO	Measured in PCL6 (PS is reference value)
Test Chart	FX	J4 (1P), J6 (1P)
	APO/GCO	<ul style="list-style-type: none"> SDTP-172_E (1P), SDTP-172c_E (1P) SDTP-172_SC (1P), SDTP-172c_SC (1P) (Reference value, measured only for SC destination) SDTP-172_TC (1P), SDTP-172c_TC (1P) (Reference value, measured only for TC destination) SDTP-172_K (1P), SDTP-172c_K (1P) (Reference value, measured only for K destination)
Paper Size	A4 LEF, 8.5x11" LEF	
Paper Type	Uncoated/64-79 gsm	
1 Sided/2 Sided	1 Sided	
Paper Supply	Tray 1	
Output	OCT or Finisher Top Tray	
State of IOT	ROS ready, Fusing Unit ready*, not in Setup	
Others	<ul style="list-style-type: none"> Not including the ProCon operation time The print mode is standard mode In the image quality guaranteed environment 	

*: Not including the wait state for the Fusing Unit temperature to drop after an ASRS mode.

FPOT Specification (Reference value)

Table 2

	Color	BW
Color C75 Press/Color J75 Press	11.2 s or faster	7.5 s or faster

6.1.12 FCOT (First Copy Output Time)

The time that is required since <Start> is pressed until the first paper is output from the machine.

(The measurement result is rounded to the first decimal place.)

<How to Measure>

Measure the time that is required since <Start> is pressed until the paper tail edge is output to the pre-determined output destination.

Table 1 <Prerequisite>

Document/Paper Size and Orientation	The size of A4 LEF document, A4 LEF paper, Letter LEF document, and Letter LEF paper are detected before <Start> is pressed.
IIT/DADF Status	If the Platen is used, the document size is detected when the Platen Cover is closed. When DADF is used, the Elevator Tray rises before <Start> is pressed.
Tray Used	Tray 1
Copy Side Settings	1 -> 1 Sided Copy
Paper Quality Settings	Uncoated/weight 64-79 gsm
Quantity Settings	1 set
Reduce / Enlarge	100% (excluding the case of 100% Fine Adjustment)
Output Color	Listed below. ACS is not applicable.
Output Tray	OCT or Finisher Top Tray
Output Orientation	Auto (Face-up output)
State of Fusing Unit	Fusing Unit must be in Ready state
ROS Status	The ROS has to ready before <Start> is pressed (Press <Start> at approx. 3 seconds after the Platen is opened or after the document is placed on the DADF)
State of 1st BTR	The 1st BTR is retracted in BW Priority and contacting in Color Priority
UI	S104-UI
Others	Other application functions or optional functions must not be set.
Background Suppression	When it is turned OFF or ON (when High Speed is specified)
ACC	OFF

Table 2 <FCOT Defined Value>

No.	Document Set Platen/DADF	Output Tray	Priority Mode *1	BW Mode (PS: 308 mm/s)	FC Mode (PS: 308 mm/s)
1	Platen	OCT *2	BW priority	5.2 s*3	8.2 s*3
2	Platen	OCT *2	Color priority	5.1 s*3	9.0 s*3
3	DADF	OCT *2	BW priority	6.8 s*3	10.4 s*3
4	DADF	OCT *2	Color priority	6.8 s*3	9.2 s*3
5	DADF	Finisher C2 Top Tray*2	BW priority	8.2 s*3	11.8 s*3
6	DADF	Finisher C2 Top Tray*2	Color priority	8.3 s*3	10.6 s*3
7	DADF	Finisher D4 Top Tray	BW priority	8.5 s*3	12.0 s*3
8	DADF	Finisher D4 Top Tray	Color priority	8.6 s*3	11.0 s*3

*1 : About the Priority Mode

There are two priority modes to shorten the FCOT: the BW Priority Mode and the Color Priority Mode.

Depending on the priority mode, the home position of the 1st BTR will be different.

In the BW Priority Mode: Retract

In the Color Priority Mode: Contact

If a color mode other than the Color Priority Mode is specified, contact or retract of the 1st BTR (YMC) is required.

The default value follows the Output Color at the UI as a system.

*2: OCT and Finisher C2 are only for Color C75 Press

*3: The measured value (A4) used as reference value

6.1.13 Copy Speed

Copy CPM is defined as follows:

A value that is calculated based on the output time (T) from the 1st paper tail edge to the 11th paper tail edge in terms of 60 seconds (by using the following equation) when a single document is used to make multiple copies.

Copy CPM

$$= (60 / T) \times 10 \text{ <1 Sided>}$$

$$= (60 / T) \times 20 \text{ <2 Sided (IPM)>}$$

T is in the order of 10 ms.

The calculation result is rounded to the first decimal place.

Table 1 <Prerequisite>

Document Size/Orientation	A4 LEF
Document Chart	BW Mode: ITU-T No.1; FC Mode: Upper half of STP6532 (A3)
Paper Size/Direction	Described in the table that shows defined values
Paper Tray	Described in the table that shows defined values
Paper Quality	Described in the table that shows defined values
Collate Mode	Auto
Reduce / Enlarge	100% (excluding the case of 100% Fine Adjustment)
Output Tray	OCT or Finisher Top Tray
Output Orientation	Auto (Face-up output)
State of Fusing Unit	Fusing Unit must be in Ready state
ROS Status	The ROS must have already been started <Start> is pressed
Mixed Size Orig.	OFF
Background Suppression	Either ON/OFF
Others	Other application functions or optional functions: OFF

Standard Mode

Table 2 Tray/HCF Unit: 1-sided ppm & 2-sided ipm (BW / FC)

Paper Length in SS Direction Paper Weight/Paper Type	148 <= Length <= 182 mm*1	182 <= Length <= 210 mm A4 LEF, B5 LEF	210 < Length <= 216 mm 8.5x11" LEF	216 < Length <= 298 mm A4 SEF, 8.5x11" SEF	298 < Length <= 365 mm B4, 8.5x14"	365 < Length <= 432 mm A3 11x17"	432 < Length <= 488 mm 12.6x19.2"
Uncoated 64-176 gsm/Uncoated Side 2 64-176 gsm	50/50 (dup: 45/45)	76/76	75/75	56/56	46/46	39/39 *3	35/35 *4
Uncoated 177-220 gsm/Uncoated Side 2 177-220 gsm	40/40 (dup: 36/36)	51/51 (dup: 46/46)	51/51 (dup: 46/46)	35/35	30/30	25/25	22/22
Uncoated 221-256 gsm*1*5/Uncoated Side 2 221-256 gsm*1	40/40 (dup: 36/36)	51/51 (dup: 46/46)	51/51 (dup: 46/46)	35/35	30/30	25/25	22/22
Uncoated 257-300 gsm*1*5/Uncoated Side 2 257-300 gsm*1	25/25	35/35 (dup 31/31)	35/35 (dup 31/31)	25/25	21/21	17/17	15/15
Recycled 64-105gsm	50/50 (dup: 45/45)	76/76	75/75	56/56	46/46	39/39 *3	35/35 *4
Coated 106-176 gsm/Coated Side 2 106-176 gsm	40/40*2 (dup: 36/36)	51/51*2 (dup: 46/46)	51/51*2 (dup: 46/46)	35/35	30/30	25/25	22/22
Coated 177-220 gsm/Coated Side 2 177-220 gsm	25/25	35/35 (dup 31/31)	35/35 (dup 31/31)	25/25	21/21	17/17	15/15
Coated 221-300 gsm*1*5/Coated Side 2 221-300 gsm*1	25/25	35/35 (dup 31/31)	35/35 (dup 31/31)	25/25	21/21	17/17	15/15
Labels 106-176 gsm	40/40	51/51	51/51	35/35	30/30	25/25	22/22
Label 177-220 gsm	40/40	35/35	35/35	25/25	21/21	17/17	15/15
Label 221-300 gsm*1*5	25/25	35/35	35/35	25/25	21/21	17/17	15/15
Tab Stock 106-176 gsm	31/31	32/32	32/32	-	-	-	-
Tab Stock 177-220 gsm	23/23	23/23	23/23	-	-	-	-
Tab Stock 221-256 gsm*1*5							
Tab Stock 257-300 gsm*1	16/16	16/16	16/16	-	-	-	-

*1: Only 2000B1 HCF/4000C1 HCF/4000C2 HCF are supported

*2: This is 35/35 (dup 35/35) when connected to OCT

*3: 37/37 for HCF

*4: 33/33 for HCF

*5: The default for 2 Sided Copy feature is available for APO/GCO only and not available for FX. The default can be changed using KO settings.

Table 3 MSI Unit: 1-sided ppm & 2-sided ipm (BW/FC)

Paper Length in SS Direction; Paper Type/ Paper Weight	148 <= Length <= 210 mm A4 LEF, B5 LEF	210 < Length <= 216 mm 8.5x11" LEF	216 < Length <= 298 mm A4 SEF, 8.5x11" SEF	298 < Length <= 365 mm B4, 8.5x14"	365 < Length <= 432 mm A3 11x17"	432 < Length <= 488 mm 12.6x19.2"
Uncoated 64-176 gsm/Uncoated Side 2 64-176 gsm	50/50 (dup 45/45)	50/50 (dup 45/45)	41/41	35/35	31/31	28/28
Uncoated 177-220 gsm/Uncoated Side 2 177-220 gsm	40/40 (dup 36/36)	40/40 (dup 36/36)	32/32	27/27	24/24	22/22
Uncoated 221-256 gsm*2/Uncoated Side 2 221-256 gsm	40/40 (dup 36/36)	40/40 (dup 36/36)	32/32	27/27	24/24	22/22
Uncoated 257-300 gsm*2/Uncoated Side 2 257-300 gsm	25/25	25/25	19/19	17/17	15/15	14/14
Recycled 64-105gsm	50/50 (dup 45/45)	50/50 (dup 45/45)	41/41	35/35	31/31	28/28
Coated 106-176 gsm/Coated Side 2 106-176 gsm	40/40*1 (dup 36/36)	40/40*1 (dup 36/36)	32/32	27/27	24/24	22/22
Coated 177-220 gsm/Coated Side 2 177-220 gsm	25/25	25/25	19/19	17/17	15/15	14/14
Coated 221-300 gsm*2/Coated Side 2 221-300 gsm	25/25	25/25	19/19	17/17	15/15	14/14
Transfer Paper 129-176gsm	40/40	40/40	32/32	27/27	24/24	22/22
Labels 106-176 gsm	40/40	40/40	32/32	27/27	24/24	22/22
Label 177-220 gsm Label 221-300 gsm*2	25/25	25/25	19/19	17/17	15/15	14/14
Tab Stock 106-176 gsm	31/31	31/31	-	-	-	-
Tab Stock 177-220 gsm Tab Stock 221-256 gsm*2	23/23	23/23	-	-	-	-
Tab Stock 257-300 gsm*2	16/16	16/16	-	-	-	-

*1: 32/32 (Dup 32/32) when the OCT is connected (Color C75 Press only)

*2: The default for 2 Sided Copy feature is available for APO/GCO only and not available for FX. The default can be changed using KO settings.

Color Gloss Mode

Table 4 Tray/HCF Unit: 1-sided ppm & 2-sided ipm (FC)

Paper Length in SS Direction Paper Weight/Paper Type	148 <= Length <= 182 mm*1	182 <= Length <= 210 mm A4 LEF, B5 LEF	210 < Length <= 216 mm 8.5x11" LEF	216 < Length <= 298 mm A4 SEF, 8.5x11" SEF	298 < Length <= 365 mm B4, 8.5x14"	365 < Length <= 432 mm A3 11x17"	432 < Length <= 488 mm 12.6x19.2"
Uncoated 64-105 gsm Uncoated Side 2 64-105 gsm	40 (dup 36)	51 (dup 46)	51 (dup 46)	35	30	25	22
Uncoated 106-176 gsm Uncoated Side 2 106-176 gsm	25	35 (dup 31)	35 (dup 31)	25	21	17	15
Uncoated 177-220 gsm Uncoated Side 2 177-220 gsm	18	18	18	13	11	9	7
Uncoated 221-256 gsm*1*2 Uncoated Side 2 221-256 gsm*1	18	18	18	13	11	9	7
Uncoated 257-300 gsm*1*2 Uncoated Side 2 257-300 gsm*1	18	18	18	13	11	9	7
Recycled 64-105gsm	40 (dup 36)	51 (dup 46)	51 (dup 46)	35	30	25	22
Coated 106-150 gsm Coated Side 2 106-150 gsm	25	35 (dup 31)	35 (dup 31)	25	21	17	15
Coated 151-220 gsm Coated Side 2 151-220 gsm	18	18	18	13	11	9	7
Coated 221-300 gsm*1*2 Coated Side 2 221-300 gsm*1	18	18	18	13	11	9	7
Tab Stock 106-176 gsm	16	16	16	-	-	-	-
Tab Stock 177-220 gsm Tab Stock 221-256 gsm*1*2 Tab Stock 257-300 gsm*1*2	10	10	10	-	-	-	-

*1: Only 2000B1 HCF/4000C1 HCF/4000C2 HCF are supported

*2: The default for 2 Sided Copy feature is available for APO/GCO only and not available for FX. The default can be changed using KO settings.

Table 5 MSI Unit: 1-sided ppm & 2-sided ipm (FC)

Paper Length in SS Direction Paper Weight/Paper Type	148 <= Length <= 210 mm A4 LEF, B5 LEF	216 < Length <= 216 mm 8.5x11" LEF	216 < Length <= 298 mm A4 SEF, 8.5x11" SEF	298 < Length <= 365 mm B4, 8.5x14"	365 < Length <= 432 mm A3 11x17"	432 < Length <= 488 mm 12.6x19.2"
Uncoated 64-105 gsm Uncoated Side 2 64-105 gsm	40 (dup 36)	40 (dup 36)	32	27	24	22
Uncoated 106-176 gsm Uncoated Side 2 106-176 gsm	25	25	19	17	15	14
Uncoated 177-256 gsm*1 Uncoated Side 2 177-256 gsm	18	18	13	11	9	7
Uncoated 257-300 gsm*1 Uncoated Side 2 257-300 gsm	18	18	13	11	9	7
Recycled 64-105gsm	40 (dup 36)	40 (dup 36)	32	27	24	22
Coated 106-150 gsm Coated Side 2 106-150 gsm	25	25	19	17	15	14
Coated 151-220 gsm Coated Side 2 151-220 gsm	18	18	13	11	9	7
Coated 221-300 gsm*1 Coated Side 2 221-300 gsm	18	18	13	11	9	7
Tab Stock 106-176 gsm	16	16	-	-	-	-
Tab Stock 177-220 gsm Tab Stock 221-300 gsm*1	10	10	-	-	-	-

*1: The default for 2 Sided Copy feature is available for APO/GCO only and not available for FX. The default can be changed using KO settings.

Productivity with Thick Paper Fusing Unit installed

Table 6 Tray/HCF/MSI Unit: 1-sided ppm & 2-sided ipm (FC)

Paper Length in SS Direction Paper Weight/Paper Type	148 <= Length <= 182 mm*1	182 <= Length <= 210 mm A4 LEF, B5 LEF	210 < Length <= 216 mm 8.5x11" LEF	216 < Length <= 298 mm A4 SEF, 8.5x11" SEF	298 < Length <= 365 mm B4, 8.5x14"	365 < Length <= 432 mm A3 11x17"	432 < Length <= 488 mm 12.6x19.2"
Uncoated 177-220 gsm Uncoated Side 2 177-220 gsm	18/18	18/18	18/18	13/13	11/11	9/9	7/7
Uncoated 221-256 gsm*1*2 Uncoated Side 2 221-256 gsm*1	18/18	18/18	18/18	13/13	11/11	9/9	7/7
Uncoated 257-300 gsm*1*2 Uncoated Side 2 257-300 gsm*1	18/18	18/18	18/18	13/13	11/11	9/9	7/7
Coated 177-220 gsm Coated Side 2 177-220 gsm	18/18	18/18	18/18	13/13	11/11	9/9	7/7
Coated 221-300 gsm*1*2 Coated Side 2 221-300 gsm*1	18/18	18/18	18/18	13/13	11/11	9/9	7/7

*1: Only 2000B1 HCF/4000C1 HCF/4000C2 HCF are supported

*2: The default for 2 Sided Copy feature is available for APO/GCO only and not available for FX. The default can be changed using KO settings.

Productivity for Postcard (BW/FC)

Table 7 Standard Mode (BW/FC)

Feed Tray Postcard Weight	2000B1 HCF/4000C1 HCF/4000C2 HCF*1	MSI
106-176 gsm	76/76	50/50 (dup 45/45)
177-220 gsm*2	51/51 (dup 46/46)	40/40 (dup 36/36)

*1: To feed Postcard (100x148 mm) or 4x6, the Guide Assembly-Post must be installed in the HCF Tray. The 4000C2 HCF is only for Color J75 Press.

*2: Set Postcard (100x148 mm) (190 g/m2) in this settings range.

Table 8 Color Gloss Mode (FC)

Feed Tray Postcard Weight	2000B1 HCF/4000C1 HCF/4000C2 HCF*1	MSI
106-150 gsm	35 (dup 31)	25
151-220 gsm*2	18	18

*1: To feed Postcard (100x148 mm) or 4x6, the Guide Assembly-Post must be installed in the HCF Tray. The 4000C2 HCF is only for Color J75 Press.

*2: Set Postcard (100x148 mm) (190 g/m2) in this settings range.

Table 9 With Thick Paper Fusing Unit installed (BW/FC)

Feed Tray Postcard Weight	2000B1 HCF/4000C1 HCF/4000C2 HCF*1	MSI
177-220 gsm*2	18/18 (dup 18/18)	18/18 (dup 18/18)

*1: To feed Postcard (100x148 mm) or 4x6, the Guide Assembly-Post must be installed in the HCF Tray. The 4000C2 HCF is only for Color J75 Press.

*2: Set Postcard (100x148 mm) (190 g/m2) in this settings range.

Productivity for Transparency (BW/FC)

Table 10 Tray/2000B1 HCF/4000C1 HCF/4000C2 HCF/MSI (Unit: ppm)

Finisher Paper Size*1	w/ Finisher	w/o Finisher*2
Length <= 216 mm A4 LEF, 8.5x11 LEF	40/18 35/18 @MSI	40/9 35/9 @MSI
216 < Length <= 298 mm A4 SEF, 8.5x11 SEF	29/13	29/8
298 < Length <= 365 mm B4, 8.5x14"	24/11	24/7
365 < Length <= 432 mm A3, 11x17"	20/9	20/6
432 < Length <= 488 mm	17/7	17/5

*1: Only standard size Transparency is feedable.

*2: The CPM for FC is measured by the time taken from the 2nd sheet to the 12th sheet, R/L=13. (This is because there is an interval after the output of the first and last sheets)

Productivity for Tack Film (BW/FC)

Table 11 2000B1 HCF/4000C1 HCF/4000C2 HCF/MSI (Unit: ppm)

Feed Tray Paper Size	2000B1 HCF/4000C1 HCF/4000C2 HCF	MSI
Length <= 216 mm A4 LEF, 8.5x11 LEF	40/18	35/18
216 < Length <= 298 mm A4 SEF, 8.5x11 SEF	29/13	29/13
365 < Length <= 432 mm A3, 11x17"	20/9	20/9

Productivity for Envelope*1

Table 12 2000B1 HCF/4000C1 HCF/4000C2 HCF/MSI (Unit: ppm)

Feed Tray Envelope Size	2000B1 HCF/4000C1 HCF/4000C2 HCF/MSI
148 < Length <= 216 mm	18
216 < Length <= 298 mm Choukei 3*2, C5*2, Kakukei 6*2	13
298 < Length <= 365 mm	11
365 < Length <= 432 mm Kakukei 2*2, C4*2, Kakukei 20*2	9
432 < Length <= 488 mm	7

*1: This is the productivity when Envelope is selected as the Paper Type. Note that if a Paper Type of other than Envelope is selected for Envelope, the productivity will change depending on each Paper Type.

*2: The productivity for these Envelopes are determined with an added length of 60 mm (proportioned to the flap) to the actual envelope length. Note that this operation will also be performed even if a Paper Type of other than Envelope is selected for the Envelope.

6.1.14 Paper Tray and Capacity

Paper Trays refer to the type of Trays, excluding the MSI, that are pulled out towards the front.

The MSI is installed on the left side of the IOT by standard. However, when the optional High Capacity Feeder (Oversized A3) is installed, the MSI is installed on top of the High Capacity Feeder.

Trays No. 1 to 3: Universal Trays *1

Tray No. 6: Universal Tray *1 (with options - High Capacity Feeder (Oversized A3) (1 Level) or HCF 1 Level Tray)

Tray No. 7: Universal Tray *1 (with option - High Capacity Feeder (Oversized A3) (2 Level))

*1: In coordination with setting the paper set guide (side guide and set guide) to the standard size, paper size setting can be done.

MSI: By aligning the Side Guides with the width of paper, paper sizes in the Fast Scan direction (width direction) can be automatically detected.

For more information on the paper sizes that can be loaded, refer to [6.1.15 Paper Size and Loading Orientation].

The no. of sheets that can be accommodated in each tray is as follows:

Table 1 <Paper tray capacity>

Tray	Capacity	Remarks
Tray No. 1 Tray No. 2 Tray No. 3	550 sheets (Xerox Business, 80 gsm, Color Xpression+ (90 gsm)), 600 sheets (P paper, 64 gsm) (reference), 570 sheets (J paper, 82 gsm)	Tray Module Reference: 60 mm Stack
Tray No. 5 (MSI)	250 sheets (Xerox Business, 80 gsm), Color Xpression+ (90 gsm), 250 sheets (P paper, 64 gsm) (J paper, 82 gsm)	Reference: 250 sheets (C2 paper, 70 gsm), Reference: 27 mm Stack
Tray No. 6 (HCF (Oversized A3) & HCF 1 Level Tray (2000 HCF)) (Option)	2000 sheets (Xerox Business, 80 gsm, Color Xpression+ (90 gsm)), 2300 sheets (P paper, 64 gsm), 2100 sheets (J paper, 82 gsm)	Reference: 205 mm Stack
Tray No. 7 (HCF (Oversized A3)/ (2 Level))	2000 sheets (Xerox Business, 80 gsm, Color Xpression+ (90 gsm)), 2300 sheets (P paper, 64 gsm), 2100 sheets (J paper, 82 gsm)	Reference: 205 mm Stack

Table 1 <Paper tray capacity>

Tray	Capacity	Remarks
Total Paper Capacity	Standard (Main Unit Trays 1 to 3 + MSI)	
	1900 sheets (Xerox Business, 80gsm, Color Xpression+ (90 gsm))	
	1960 sheets (J paper, 82 gsm)	
	Standard (Main Unit Trays 1 to 3 + MSI) + HCF (Oversized A3) (1 Level Tray)	
	3900 sheets (Xerox Business, 80 gsm, Color Xpression+ (90 gsm))	
	4060 sheets (J paper, 82 gsm)	
	Standard (Main Unit Trays 1 to 3 + MSI) + HCF (HCF 1 Level Tray (2000 HCF))	
	3900 sheets (Xerox Business, 80 gsm, Color Xpression+ (90 gsm))	
	4060 sheets (J paper, 82 gsm)	
	Standard (Main Unit Trays 1 to 3 + MSI) + HCF (Oversized A3) (2 Level Tray)	
	5900 sheets (Xerox Business, 80 gsm, Color Xpression+ (90 gsm))	
	6160 sheets (J paper, 82 gsm)	

Remaining Paper Amount Detection:

In the Trays No. 1 to 3, Tray No. 6, and Tray No. 7, the remaining paper amount is detected and displayed with 5 grades, 0%, 25%, 50%, 75%, and 100% on the Select Paper Tray button in the UI.

The remaining amount is displayed on the Machine Status screen in numbers (%), and it is displayed as 5 levels of icons on the paper tray buttons on the Copy screen. When the power is turned OFF during lift-up, if the power is turned ON again without removing the Tray, and the Tray is inserted again while the Bottom Plate has not dropped, the remaining paper amount cannot be detected correctly.

Load While Run:

This enables loading of paper into a Tray that is not being used while printing is in progress.

However, as the Lift Up is performed for each Tray, this Lift Up is performed by Exclusive Control.

6.1.15 Paper Size and Loading Orientation

The paper sizes that can be loaded in the Paper Tray and its loading orientation are as follows.

Table 1

		Tray No. 1, Tray No. 2, Tray No. 3		2000 HCF (1-Tray) Tray No. 6	Trays No. 6 & No. 7 (Oversized A3 HCF)	
		Paper Size Group*1		Paper Size Group*1	Paper Size Group*1	
		FX, XE/ DMO-EDMO-W	APO/GCO	FX, XE/ DMO-EDMO-W	FX, XE/ DMO-EDMO-W	APO/GCO
Postcard SEF	100.0 x 148.0				L*8	L*8
A5 SEF	148.0 x 210.0	OA	OA			
5.5x8.5 SEF	139.7 x 215.9	A	A			
B5 SEF	182.0 x 257.0	O	O		O*8	O*8
B5 LEF	257.0 x 182.0	OB	OB	OB	O	O
A4 SEF	210.0 x 297.0	OE	OE		OJ	OJ
A4 LEF	297.0 x 210.0	OF	OF	O	OH	OH
7.25x10.5 LEF (Executive)	266.7 x 184.0	B	B	B	*2	*2
8x10 SEF	203.2 x 254.0					
8x10 LEF	254.0 x 203.2				O	O
8.5x11 SEF (Letter)	215.9 x 279.4	O	O		O	O
8.5x11 LEF (Letter)	279.4 x 215.9	O	O	O	O	O
8.5x13 SEF (Legal)	215.9 x 330.2	O	O		O	O
8.5x14 SEF (Legal)	215.9 x 355.6	O	O		O	O
16K LEF (FXTW)	267.0 x 194.0	OB	OB*4		O*2	O*4*2
8K SEF (FXTW)	267.0 x 388.0		O*4			O*4
16K LEF (GCO)	270.0 x 195.0	OB	OB*4		O*2	O*4*2
8K SEF (GCO)	270.0 x 390.0		O*4			O*4
B4 SEF	257.0 x 364.0	O	O		O	O
A3 SEF	297.0 x 420.0	OF	OF		O	O
11x17 SEF (Ledger)	279.4 x 431.8	O	O		O	O
DT Special A4 SEF	226.0 x 310.0	E	E		J	J

Table 1

		Tray No. 1, Tray No. 2, Tray No. 3		2000 HCF (1-Tray) Tray No. 6	Trays No. 6 & No. 7 (Oversized A3 HCF)	
		Paper Size Group*1		Paper Size Group*1	Paper Size Group*1	
		FX, XE/ DMO-EDMO- W	APO/GCO	FX, XE/ DMO-EDMO- W	FX, XE/ DMO- EDMO-W	APO/GCO
DT Special A4 LEF	310.0 x 226.0	F	F		H	H
DT Special A3	310.0 x 432.0	O	O		K	K
4 x 6 SEF	101.6 x 152.4				L*8	L*8
12 x 18 SEF	304.8 x 457.2	C	C		OK	OK
SRA3 (12.6x17.7) SEF	320.0 x 450.0	OC	C		OK	OK
12.6 x 19.2 SEF	320.0 x 488.0	OD	OD		O	O
13 x 18 SEF	330.2 x 457.2	C	OC		O	O
13 x 19 SEF	330.2 x 482.6	D	D		O	O
A4 (Tab Stock)*2 LEF	297.0 x 223.0 *3	O	O			
8.5x11 (Tab Stock) *2 LEF	297.0 x 223.0 *3					
Envelope: Choukei 3	120.0 x 235.0				O*9	O*9
Envelope: Kakukei 2	240.0x332.0				O*9	O*9
Envelope: C4	229.0x324.0				O*9	O*9
Envelope: C5	162.0 x 229.0				O*9	O*9
Envelope: Kakukei 20	229.0x324.0				O*9	O*9
Envelope: Kakukei 6	162.0 x 229.0				O*9	O*9
Non-Standard Size		Width: 139.7 mm*7 to 330.0 mm Length: 182.0 mm to 488.0 mm*5			Width: 100.0 mm to 330.0 mm Length: 148.0 mm to 488.0 mm	

A, B, C, D, E, F, H, J, and K: A Customer Engineer can perform modifications (CE NVM) to change the paper sizes that are available for Automatic Size Detection.

When changing a paper size that can be detected by Auto Size Detection B, the change is applied to all Trays (the size change cannot be applied to only one Tray).

*1: There are 4 paper size groups: FX, XE/DMO-E, APO/GCO, and DMO-W. They can be changed in KO.

Paper group default value is provided for each market. O: Default of Paper Size Group

*2 : There is no paper size selection button for the Tab Stock. (When Tab Stock is set as the Paper Type, it is processed as the Tab Stock with the size that is defined in the paper size group.) (Alter Change @ Diag is unavailable) (Auto detection using the Tray guide is unavailable.)

*3 : The Slow Scan (length) of Tab Stock is the Xerox standard size. Commercially available products may have different tab length. The length of Tab (extra length from standard paper) that is guaranteed for paper run is up to 13 mm. (Exceeding this limit causes error operation of the Invert part in detecting the tail edge.)

*4 : Size Detection is switched according to Country code. Use FXTW size for other than GCO.

*5 : Set by changing the tray guide position. Enter the size from UI in KO Tools. KO Tools allows you to change settings so that you can enter a size from the settings screen that is displayed when tray is installed. (Default: Display OFF)

*6 : The HCF 1 Level Tray does not support non-standard sizes.

*7: When entering a non-standard size from the UI, the minimum value that can be entered is 140 mm (when the unit is mm, since this is in 1 mm increments) or 5.5" (when the unit is inch).

*8: Requires the Guide Assembly-Post option.

*9 : When loading an envelope, open the flap and position it such that the flap becomes the tail edge. When loading with the flap closed, load it with the flap at the front side of the MC. Take note that loading an envelope of length 181.9 mm or shorter requires the Guide Assembly-Post option.

6.1.16 Tray Paper Size Factory Settings

The Factory Settings for Tray Sizes are as follows:

Table 1

Destination	Tray	FX/APO/GCO
IOT Main Unit	Tray No. 1 A	4 LEF
	Tray No. 2	A3 SEF
	Tray No. 3	A4 LEF
HCF 1 Level Tray	Tray No. 6	A4 LEF
HCF (Oversized A3)	Tray No. 6	*
HCF (Oversized A3) (2 Level)	Tray No. 6/No. 7	*

*: Set the Side Guide at A4 LEF and the End Guide at A4 SEF.

6.1.17 MSI

Applicable Paper Sizes

The standard sizes that can be fed from MSI are as follows:

When paper is set in the MSI, MSI will be automatically selected. Mixed size is not allowed.

Table 1 MSI Applicable Paper Sizes

Paper Size/Orientation (mm)	PH		Auto Size Detection *3 Spec	Standard Size Specification		KO Selection *4	
	DUP	INV	Destinations (Paper Size Group) FX, APO/GCO	Destinations (Paper Size Group)			
				FX *2	APO/GCO*2		
Postcard SEF	100.0x148.0	O	O	-	O	K	O
Prepaid Postcard SEF	148.0x200.0	O	O	-	O	K	O
Postcard 4x6 SEF	101.6x152.4	O	O	-	K	K	O
Postcard 5x7 SEF	127.0x177.8	O	O	-	K	K	O
A6 SEF	105.0x148.0	O	O	-	O	O	O
B6 SEF	128.0x182.0	O	O	-	O	O	O
A5 SEF	148.0x210.0	O	O	Y	O	O	O
A5 LEF	210.0x148.0	O	O	-	K	K	O
5.5x8.5 SEF	139.7x215.9	O	O	-	K	K	O
B5 SEF	182.0x257.0	O	O	Y	O	O	O
B5 LEF	257.0x182.0	O	O	Y	O	O	O
A4 SEF	210.0x297.0	O	O	Y	O	O	O
A4 LEF*6	297.0x210.0	O	O	Y	O	O	O
A4 Cover LEF	297.0x223.0	O	O	-	K	K	O
7.25x10.5 SEF	184.2x266.7	O	O	-	K	K	O
7.25x10.5 LEF	266.7x184.2	O	O	-	K	K	O
8x10 SEF	254.0x203.2	O	O	-	K	K	O
8x10 LEF	254.0x203.2	O	O	-	K	K	O
8.5x11 (Letter) SEF	215.9x279.4	O	O	-	O	O	O
8.5x11 (Letter) LEF*6	279.4x215.9	O	O	-	O	O	O
9x11 (Ltr Cover) LEF	279.4x228.9	O	O	-	K	K	O
215x315 mm SEF	215.0x315.0	O	O	-	K	K	O
8.5x13 SEF	215.9x330.2	O	O	-	O	O	O
8.5x14 (Legal) SEF	215.9x355.6	O	O	-	O	O	O
16K SEF (FXTW)	194.0x267.0	O	O	-	K	O	O
16K LEF (FXTW)	267.0x194.0	O	O	-	K	O	O
8K SEF (FXTW)	267.0x388.0	O	O	-	K	O	O

Table 1 MSI Applicable Paper Sizes

Paper Size/Orientation (mm)		PH		Auto Size Detection *3 Spec	Standard Size Specification		KO Selection *4
				Destinations (Paper Size Group)	Destinations (Paper Size Group)		
					FX, APO/GCO	FX *2	
16K SEF (GCO)	195.0x270.0	O	O	-	K	*1	O
16K LEF (GCO)	270.0x195.0	O	O	-	K	*1	O
8K SEF (GCO)	270.0x390.0	O	O	-	K	*1	O
B4 SEF	257.0x364.0	O	O	Y	O	O	O
A3 SEF	297.0x420.0	O	O	Y	O	O	O
11x15 SEF	279.4x381.0	O	O	-	K	K	O
11x17 (Ledger) SEF	279.4x431.8	O	O	-	O	O	O
12x18 SEF	304.8x457.2	O	O	-	O	O	O
SRA3 (12.6x17.7) SEF	320.0x450.0	O	O	-	O	O	O
12.6x19.2 SEF	320.0x488.0	O	O	-	K	K	O
13x18 SEF	330.2x457.2	O	O	-	K	K	O
13x19 SEF	330.2x482.6	O	O	-	O	O	O
Envelope: Choukei 3 *5 SEF	120.0x235.0	X	X	-	O	K	O
Envelope: Kakukei 2 *5 SEF	240.0x332.0	X	X	-	O	K	O
Envelope C4 *5 SEF	229.0x324.0	X	X	-	K	K	O
Envelope C5 *5 SEF	162.0x229.0	X	X	-	K	K	O
Envelope: Kakukei 20 *5 SEF	229.0x324.0	X	X	-	K	K	O
Envelope: Kakukei 6 *5 SEF	162.0x229.0	X	X	-	K	K	O
Non-standard	Width: 100.0 mm to 330.0 mm Length: 148.0 mm to 488.0 mm	O	O	-	-	-	-

X: Dup or Invert is not possible

- Auto Size Detection Settings
 - Y: Standard Auto Size Detection available
 - : Auto Size Detection not available
- Standard Size Specification
 - O: Can run when specified as Standard Size (in S104UI, the Standard Size button is displayed by default)
 - K: Standard Size selection button can be displayed by using the KO settings (It is not displayed by default but can be fed by inputting the size)

*1: The 8K and 16K paper size can be switched for use in Taiwan and China (This size can be changed by a CE. Alter Change @ Diag by destination.)

*2: Standard Size display buttons for each destination (Sizes not displayed as Standard Size is handled as a Non-Standard Size, and it is necessary to input the paper size from the Control Panel.)

*3: Auto detectable sizes according to the destination. In the case of MSI paper feed, the Fast Scan paper size is detected by the side guide when a paper is loaded and the Slow Scan paper size is detected after the paper is fed.

*4: Standard size specification button which can change the display on the UI using Tools.

*5 : When loading an envelope, open the flap and position it such that the flap becomes the tail edge. When loading with the flap closed, load it with the flap at the front side of the MC.

*6: When selecting Tab Stock (106-220 gsm) or HW Tab Stock (221-300 gsm) as Paper Type, the system recognizes the Tab Stock by the selection of A4 LEF or Letter LEF. (If the size selection button for Tab Stock is missing or when HW Tab Stock (221-300 gsm) is selected, Invert is not possible)

- Meaning of symbols
 - PH (DUP/INV)
 - O: Dup or Invert is possible

6.1.18 Paper Type Mode (Paper Quality Control)

Paper Quality

The following section describes the paper types and paper weights that can be fed from the Paper Tray and those that can be used for Duplex Feed and Invert Feed.

Table 1

Tray Weight Selected Paper Type	Weight (gsm)	Trays No. 1 to 3	MSI	HCF (optional) No. 6 (HCF 1 Level Tray)	Tray No. 6 (HCF (Oversized A3) (1 Level)), Trays No.6 and No. 7 (HCF (Oversized A3) (2 Level))	PH	
		64-220 gsm	64-300 gsm	64-220 gsm	64-300 gsm	DUP	INV
Uncoated*3	64-220	O	O	O	O	O	O
Uncoated*3	221-300	X	O	X	O	O*7	O*7
Uncoated Side 2	64-105	O	O	O	O	X	O
Uncoated Side 2 *1	106-220	O	O	O	O	X	O
Uncoated Side 2 *1	221-300	X	O	X	O	X	O*7
Recycled Paper	64-105	O	O	O	O	O	O
Coated	106-220	O	O	O	O	O	O
Coated	221-300	X	O	X	O	O*7	O*7
Coated Side 2 *1	106-220	O	O	O	O	X	O
Coated Side 2 *1	221-300	X	O	X	O	X	O*7
Transparency		O	O	X	O	X	X
Tack Film (Adhe- sive) *5		X	O	X	O	X	X
Label	106-220	O	O	O	O	X	X
Label	221-300	X	O	X	O	X	X
Tab Stock	106-220	O	O	X	O	X	O
Tab Stock	221-300	X	O	X	O	X	X
Postcard*4	106-220	X	O	X	O*2	O	O
Envelope*6	-	X	O	X	O	X	X

O: Can be fed (The feed is not guaranteed)

X: Cannot be fed

*1: Paper Type that is selected when printing on Side 2 of a paper that had undergone 1 Sided Print, or performing Manual 2 Sided Print using a paper that cannot be transported through the Duplex Path, such as Coated, Extra Heavyweight, etc.

*2: Requires the Postcard Kit. Japanese Postcard (100 x 148 mm) only. Can be installed in Tray 6 or Tray 7.

*3: Including Hole Punched Paper.

*4 : This Paper Type is for FX only.

*5: This Paper Type is for FX/APO only.

*6: This can only be selected when Envelope Fusing Unit is installed.

*7: The default for Copy feature is available for APO/GCO only. The default can be changed using KO settings.

6.1.19 Image Loss

Each paper size has the following image loss.

- Lead Edge: 4.0 mm
- Side Edge: 3.0 mm (However, it is 6.5 mm for 13x19" paper)
- Tail Edge: 4.0 mm

The amount of image loss edge erase can be changed by a CE.

The measurement of image loss could have different paper tail edge margins due to fluctuation in paper transportation.

6.1.20 Alignment

1. DC Alignment Measurement Method and Specification (Calculated for 100%)

Table 1 Alignment Specification (Calculated for 100%) (Upper IOT Side 1, Lower IOT Side 2)

	SYSTEM Spec (Platen)		SYSTEM Spec (DADF)		IIT	DADF	Remarks
	Tray	MSI*	Tray	MSI*			
Lead Regi	+/-1.1 mm -	+/-1.6 mm -	+/-1.5 mm -	+/-2.2 mm -	+/-0.5 mm -	+/-1.0 mm +/-1.0 mm	
Side Regi	+/-1.1 mm -	+/-3.0 mm -	+/-1.9 mm -	+/-3.3 mm -	+/-0.5 mm -	+/-1.5 mm +/-1.5 mm	
Lead Skew (200 mm)	+/-0.9 mm -	+/-1.6 mm -	+/-1.1 mm -	+/-1.9 mm -	+/-0.5 mm -	+/-0.5 mm +/-0.5 mm	
Side Skew (400 mm)	+/-1.6 mm*1 -	+/-3.2 mm -	+/- 2.3 mm*1 -	+/-3.8 mm -	+/-1.0 mm -	+/-1.5 mm +/-1.5 mm	*1: Reference value
Horizontal Reduce/Enlarge Precision (280 mm); Applicable for 100%	+/-0.5% -	-	+/-0.8% -	-	+/-0.3% +/-0.3%	+/-0.5% +/-0.5%	
Horizontal Reduce/Enlarge Precision (280 mm); Applicable for 25 to 200%	+/-1.0% -	-	+/-1.6% -	-	-	-	
Horizontal Reduce/Enlarge Precision (280 mm); Applicable for 201 to 400%	+/-2.0% -	-	+/-3.2% -	-	-	-	
Vertical Reduce/Enlarge Precision (400 mm); Applicable for 100%	+/-0.5% -	-	+/-0.8% -	-	+/-0.3% -	+/-0.5% +/-0.5%	
Vertical Reduce/Enlarge Precision (400 mm); Applicable for 25 to 200%	+/-1.0% -	-	+/-1.6% -	-	-	-	
Vertical Reduce/Enlarge Precision (400 mm); Applicable for 201 to 400%	+/-2.0% -	-	+/-3.2% -	-	-	-	

Table 1 Alignment Specification (Calculated for 100%) (Upper IOT Side 1, Lower IOT Side 2)

	SYSTEM Spec (Platen)		SYSTEM Spec (DADF)		IIT	DADF	Remarks
	Tray	MSI*	Tray	MSI*			
Perpendicularity (400 mm)	+/-1.7 mm -	-	+/-1.9 mm -	-	+/-1.4 mm -	+/-1.0 mm +/-1.0 mm	
Linearity (vertical) (400 mm span)**	0.7 mm 0.7 mm	-	0.9 mm 0.9 mm	-	0.4 mm -	0.5 mm 0.5 mm	
Linearity (horizontal) (280 mm span)**	0.6 mm 0.6 mm	-	0.6 mm 0.6 mm	-	0.4 mm -	-	
Linearity (diagonal) (280 mm span)**	0.7 mm 0.7 mm	-	0.7 mm 0.7 mm	-	0.4 mm -	-	
Trapezoid Correction (400 mm)	+/-1.0 mm -	-	+/-1.3 mm -	-	+/-0.6 mm -	1.2 mm/ 280 mm	

NOTE: Effect of paper elongation and shrinkage due to environmental changes is not included.

*: The center of the document must be set correctly at the center of the scan.

** : Measure with the 1st Gene (SYSTEM).

2. DC Test Chart & Measurement Point

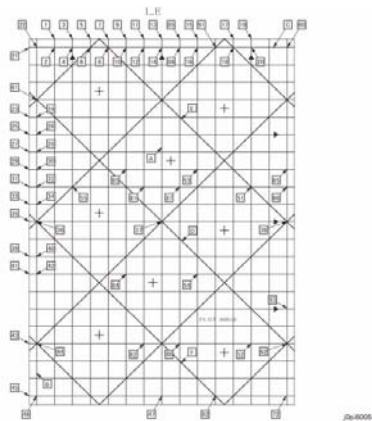


Figure 1 j0pi60051

Table 2 DC Measurement Method

Measurement Item	How to Measure
Side Skew [mm] (400 mm)	(21 to 22)-(45 to 46)
Horizontal Reduce/Enlarge Precision (All area) [%] (280 mm)	{(36 to 38) - 280} / 280 x 100*2 Note) Applicable for 100%
Vertical Reduce/Enlarge Ratio Precision (All area) [%] (400 mm)	{(14 to 47) - 400} / 400 x 100*2 Note) Applicable for 100%
Perpendicularity [mm] (400 mm)	The shift between 47 and the extended perpendicular line from the intersection of the line connecting 4 and 20 with the line A.
Linearity (Vertical) [mm] (400mm)	Measure the maximum difference between the intersection point of the vertical line B and each horizontal line, and the line that passes at 22 and 46 and calculate the maximum deviation. (400 mm span, defined by 1st Gene)
Linearity (Horizontal) [mm] (280 mm)	Measure the maximum difference between the intersection point of the horizontal line C and each vertical line, and the line that passes at 22 and 60 and calculate the maximum deviation. (280 mm span, defined by 1st Gene)
Linearity (Diagonal) [mm] (280 mm)	Measure the shift between the intersections of the diagonal line E with the various lines and the straight line connecting 8 and 38, and measure the shift between the intersections of the diagonal line F with the various lines and the straight line connecting 36 and 92 to calculate the maximum deviation. (280 mm span, defined by 1st Gene)
Trapezoid Correction [mm] (400 mm)	(22 to 46)-(60 to 72)

*1: Measure the length of the position of FX STP#3600, 3650 and use it as the Standard Value in the table.

*2: This is a nominal value. Measure the length of the position of the FX STP#3600,3650 and use it for calculation.

Table 2 DC Measurement Method

Measurement Item	How to Measure
Lead Regi [mm]	(13 to 14) - Standard Value*1
Side Regi [mm]	(35 to 36) - Standard Value*1
Lead Skew [mm] (200 mm)	(19 to 20)-(3 to 4)

6.2.1.1 Tools

The following tools can be stored in the CE Basic Tool Set as standard.

Table 1

No.	Tool No.	Tool Name
1	499T 00247	Test Pattern (A3) for Inner Left Corner Registration
2	499T 00276	Test Pattern (A3) Full Color (STP5001)
3	499T 00301	Screw Driver (-) 3x50
4	499T 00302	Screw Driver (+) 6x100
5	499T 00324	Test Pattern (A4) (STP5416) for CIS Setup
6	499T 00353	Stubby Driver (+ -)
7	499T 00355	Screw Driver (+) 100 mm
8	499T 00356	Screw Driver (+) No.1
9	499T 00451	Spanner & Wrench 5.5x5.5
10	499T 00452	Spanner & Wrench 7x7
11	499T 00454	Spanner & Wrench 10x10
12	499T 01015	Hex Key Set
13	499T 01423	5.5mm Box Driver
14	499T 01901	Side Cutting Nipper
15	499T 02005	Round Nose Plier-Safety
16	499T 02327	Digital Multimeter Set
17	499T 02418	Interlock Sw. Cheater
18	499T 02601	Silver Scale 150 mm
19	499T 02602	Silver Scale 300 mm
20	499T 06025	CE Tool Case
21	499T 06402	Magnetic Screw Pickup Tool
22	499T 06607	Scriber Tool
23	499T 07776	USB Cable for PSW (2 m)
24	499T 07780	100 Base-TX Crossing Cable (3 m)
25	499T 08108	Flash Light
26	499T 08263	USB memory
27	499T 08902	Brush
28	499T 09583	Tester Lead Wire (Red)
29	499T 09584	Tester Lead Wire (Black)
30	499T 09588	Needle Adaptor

6.2.1.2 Service Consumables

There are no Service Consumables unique to this model.

Whenever special consumables for the machine are required, it will be notified in a separate technical information.

6.2.2 Consumables

Table 1

Consumables	Product Code	Life (kPV)	Remarks
Toner Cartridge (K)*1	CT201247 (FX) CT201243 (APO (excluding FXV)/FXHK) CT202101 (FXV/FXCL)	40 (2 unit) 20 (1 unit)	The machine has 2 units installed. After Near Empty is detected, it will stop after 1200 images.
Toner Cartridge (Y)*1	CT201250 (FX) CT201246 (APO (excluding FXV)/FXHK) CT202104 (FXV/FXCL)	22	After Near Empty is detected, it will stop after 800 images.
Toner Cartridge (M)*1	CT201249 (FX) CT201245 (APO (excluding FXV)/FXHK) CT202103 (FXV/FXCL)	21	After Near Empty is detected, it will stop after 800 images.
Toner Cartridge (C)*1	CT201248 (FX) CT201244 (APO (excluding FXV)/FXHK) CT202102 (FXV/FXCL)	22	After Near Empty is detected, it will stop after 800 images.
Waste Toner Bottle	CWAA0554 (FX) CWAA0663 (APO/GCO)	33.3	
Drum Cartridge (K)	CT350985 (FX) CT350994 (APO/GCO)	354 (FC)*2 373 (BW)*2	The precise Life is 600 kcycle. A warning signal will be issued at 575 kcycle.
Drum Cartridge (Y, M, C)	CT350747 (FX) CT350778 (APO/GCO)	158*2	The precise Life is 400 kcycle. A warning signal will be issued at 360 kcycle.
50-Sheet Staples Type XE (3PCS)	CWAA0540	-	For Finisher C 5000 Staples x 3 sets/Box
Center-binding Staples Type XC (4 pcs)	CWAA0501	-	For Finisher C 5000 Staples x 4 sets/Box
Center-binding Staples Cartridge Type D4 (for Finisher 4D)	CWAA0749	-	5000 Staples x 4 sets/Box
Staples Type XF (4 pcs)*3 (for Finisher D2/D3/D4)	CWAA0671 (FX) CWAA0677 (APO/GCO)	-	5000 Staples x4 sets + Staple Dust Box (*4) x1 set/Box 20k Staples and above

*2: The Life value is specified by the number of drum rotations (cycle). The number of printable sheets (PV) for the Life value is a reference value for usage under the condition of Plain, A4 (landscape) size, 1 Sided, and defined by the continuous print quantity in one print. Since the actual number of printable sheets varies depending on the usage conditions, such as the number of prints for each job, the paper size, the paper feed direction, the ACS (Auto Color Select) usage condition**, the initialize operation at machine power OFF/ON, and the mode condition**, it may noticeably differ from the reference values. Use these replacement interval values only as guidelines.

** : When [Color] or [Auto] is selected for output color during Copy, or [Color (Auto)] is selected for Print mode, the Color Drums will still be consumed even during BW Copy/Print. Furthermore, when Heavy-weight mode is selected, the Color Drums will also still be consumed even during BW Copy/Print.

*3: For 100 sheets. Auto Staples Cut is supported. The Staples differs depending on the Finisher that is used. It is not common across all.

*4 : The Staple Dust Box is a CRU item. Used up and extra (unwanted) Staple Dust Boxes are to be collected back by the CSD (Customer Service Deliverer) or CE.

*1: This cartridge is a dedicated consumables for Color J75/C75 Press. It is not included in the Maintenance Full Service Agreement.

Take note that this cartridge is treated as a dedicated product by the Maintenance Full Service Agreement.



6.2.3 Modification

The Mod (Tag) number can be registered in the NVM. With this registration, Mod information can be remotely verified as NR data via EPSV. (Remote verification is for FX only.) When Mod is performed, access the NVM and change the data because the Mod (Tag) No.1 to 32 correspond to 001 to 032 of NVM (900).

6.2.3.1 Explanation of Symbols

Modifications that differ from the original specifications will be indicated with following symbols.

Table 1

Item	Description
[Models with 5V]	Indicates the Code applies to machines that have undergone the 5V modification.
[Models without 5V]	Indicates the Code applies to machines that the 5V modification has not been introduced.
 Figure 1 5005	This symbol indicates the configuration of the part after a modification with the number shown in the symbol is introduced.
 Figure 2 5006	This symbol indicates the configuration of the part before a modification with the number shown in the symbol is introduced.

6.2.4 Modification List

Notify the Mod No. registration and reports for the following options at product launch. After product launch, notify the Mod No. using Technical Information as needed.)

NOTE: Take note because there are cases where the current Mod No. is different from that of the previous machine's. Those with blank Product Codes are not handled as MOD.

Table 1

No	ModNo	Name	Product Code
1	21V	HCS (High Capacity Stacker)	QM200043
2	200V	Finisher D4 (w/ Booklet)	QM200039
3	201V	Center-binding Finisher D4	QM200040
4	202V	Folder D4 for Finisher D	EM200170
5	204V	Finisher-C	QC100080
6	205V	Center-binding Finisher C	QC100081
7	206V	3H Punch Kit for Finisher C	EC101183
8	207V	OCT	ED200026
9	208V	OCT Exit Fan Kit	ED200617
10	210V	2000 HCF	QM100019
11	211V	IFM (Interface Module)	QD200045
		ICM (Interface Cooling Module)	TD200159
12	212V	High Capacity Feeder B1-S (2000B1 HCF)	QC100078
13	213V	High Capacity Feeder C1-DS (4000C1 HCF)	QD200044
		High Capacity Feeder C2-DS (4000C2 HCF)	TD200181
14	215V	Large Color Control Panel (Right Install)	EC101473
15	217V	Wing Table	ED200022
16	218V	Trimmer & Square Folder	QM200042
17	229V	Set Numbering Extension Kit	EM200599
18	230V	Data Security Kit	EM200600
19	233V	Attention Light II	EC100639
20	237V	Scan Feature Extension Kit	EM100321
21	238V	Gigabit Ethernet Board	EC101517
22	239V	USB Expansion Kit	EC101776
23	240V	Web Applications Kit	ED200598
24	241V	Authentication Customization Kit	ED200601
25	304V	Foot Switch	TE39
26	313V	Key Switch	TY77
27	335V	DocuLyzer	T9100014
28	335V	DocuLyzer NW	T9100013
29	339V	PC Connection Box (Adaptor-BOX)	E9100065
30	340V	Smart Card Gate 3 (Smart Card Gate 3 Pro)	Q9100010
31	340V	Smart Card Gate 3 for HID Prox	Q9100011
32	340V	Authentication Gate 1.0 (Smart Card Gate High)	SDCL020A

Table 1

No	ModNo	Name	Product Code
33	350V	Earthquake Preparedness Kit	ZB38
34	352V	Tray Module Heater Kit	-
35	353V	2000 HCF Tray Heater	-
36	354V	2000B1 HCF/4000C1 HCF/4000C2 HCF Tray Heater	-
37	447V	Caster Locked	-
38	448V	Caster Locked/Motion Prevention Stopper Affixed	-
39	449V	No Machine Lock Mechanism	-
40	710V	EPnet-BOX type L (LAN/Modem)	T9100061
41	710V	EPnet-BOX type W2 (FOMA)	Q9100006

6.3.1.1 DC330 Input Component Check List (DADF-250 Color)

Table 1 DC330 Input Component Check List (DADF-250 Color)

Chain-Link	Component Name	Description	ON State	Module Name
005-102	Document Sensor (Belt DADF/CVT)	No paper detected on Document Sensor.	H	DADF
005-110	Regi Sensor (Belt DADF/CVT)	Paper detected on Regi Sensor.	L	DADF
005-202	CVT Bottom Sensor	Tray is at home position.	H	DADF
005-203	CVT Level Sensor	Nudger Roll is rising.	H	DADF
005-204	CVT Feed Sensor	Paper detected on Feed Sensor.	L	DADF
005-206	CVT Pre Regi Sensor	Paper detected on Pre Regi Sensor.	L	DADF
005-207	CVT Lead Regi Sensor	Paper detected on Lead Regi Sensor.	L	DADF
005-208	CVT Out Sensor	Paper detected on Out Sensor.	L	DADF
005-209	CVT #1 Exit Sensor	Paper detected on #1 Exit Sensor.	L	DADF
005-212	CVT Feeder Cover Interlock Switch	Feeder Cover open.	-	DADF
005-213	CVT DADF Interlock Switch	Platen Interlock open.	H	DADF
005-214	CVT Tray Interlock Sensor	Tray Interlock open.	H	DADF
005-215	CVT #1 Tray APS Sensor	The Actuator is not blocked.	H	DADF
005-216	CVT #2 Tray APS Sensor	The Actuator is not blocked.	H	DADF
005-217	CVT #3 Tray APS Sensor	The Actuator is not blocked.	H	DADF
005-218	CVT APS No.1 Sensor	Paper detected on APS No.1 Sensor.	L	DADF
005-219	CVT APS No.2 Sensor	Paper detected on APS No.2 Sensor.	L	DADF
005-220	CVT APS No.3 Sensor	Paper detected on APS No.3 Sensor.	L	DADF
005-223	L/H Cover Interlock Sensor	Left Hand Cover open.	H	DADF
005-224	Scan Start	Scan Count Signal ON.	H	DADF
005-225	Nudger Position Snr	Nudger Roll is up.	H	DADF

6.3.1.2 DC330 Input Component Check List (IISS)

Table 1 DC330 Input Component Check List (IISS)

Chain-Link	Component Name	Description	ON State	Module Name
062-201	Sheet Abort	Registers a document.	L	IISS
062-212	IIT Regi Sensor	Deactuates the Regi Sensor.	L	IISS
062-240	ADF Exist	DADF is not installed.	H	IISS
062-251	APS Sensor 1	Document detected.	APS SNR 1: L APS ON: H	IISS
062-253	APS Sensor3	Document detected.	APS SNR 3: L APS ON: H	IISS
062-272	Scan Start	Scanning possible.	L	IISS
062-280	CCD Fan Fail	Fan failure.	H	IISS
062-300	Platen I/L Switch	Platen closed.	L	IISS
062-301	Angle Sensor	Platen closed.	L	IISS

6.3.1.3 DC330 Input Component Check List (IOT)

Table 1 DC330 Input Component Check List (IOT)

Chain-Link	Component Name	Display	Description	Module Name
010-200	Fusing Unit Entrance Sensor	H / L	Detects paper on Fusing Unit Entrance Sensor. Paper detected: Low.	Fusing
010-201	Fusing Unit Exit Sensor	H / L	Detects paper on Fusing Unit Exit Sensor. Paper detected: Low.	Fusing
010-202	Fusing Unit New	H / L	Detects for new Fusing Unit. New parts detected: Low.	Fusing
010-203	Fusing Unit Nip Sensor	H / L	Detects Nip status of Fusing Unit. Nip status detected: Low.	Fusing
010-204	PENE Up Sensor	H / L	Detects the Decurler Cam Upper position. Decurler Cam Upper position detected: Low.	Fusing
010-205	PENE Down Sensor	H / L	Detects the Decurler Cam Down position. Decurler Cam Down position detected: Low.	Fusing
041-200	LD 24V Status	H / L	F4 fuse blow-out on the MCU PWB detected: High.	IOT Manager
041-201	ADC 24V Status	H / L	F3 fuse blow-out on the MCU PWB detected: High.	IOT Manager
041-202	IOT F1 Status	H / L	F1 fuse blow-out on the IOT-DRIVER PWB detected: High.	IOT Manager
041-203	IOT F2 Status	H / L	F1 fuse blow-out on the IOT-DRIVER PWB detected: High.	IOT Manager
041-204	IOT F3 Status	H / L	F1 fuse blow-out on the IOT-DRIVER PWB detected: High.	IOT Manager
041-206	PH F1 Status	H / L	F1 fuse blow-out on the PH-DRIVER PWB detected: High.	IOT Manager
041-207	PH F2 Status	H / L	F1 fuse blow-out on the PH-DRIVER PWB detected: High.	IOT Manager
041-208	PH F3 Status	H / L	F1 fuse blow-out on the PH-DRIVER PWB detected: High.	IOT Manager
041-209	PH F4 Status	H / L	F1 fuse blow-out on the PH-DRIVER PWB detected: High.	IOT Manager
041-210	PH F5 Status	H / L	F1 fuse blow-out on the PH-DRIVER PWB detected: High.	IOT Manager
041-211	PH F6 Status	H / L	F1 fuse blow-out on the PH-DRIVER PWB detected: High.	IOT Manager
041-212	PH F7 Status	H / L	F1 fuse blow-out on the PH-DRIVER PWB detected: High.	IOT Manager
041-213	PH F8 Status	H / L	F1 fuse blow-out on the PH-DRIVER PWB detected: High.	IOT Manager
041-214	PH F9 Status	H / L	F1 fuse blow-out on the PH-DRIVER PWB detected: High.	IOT Manager
041-215	PH F10 Status	H / L	F1 fuse blow-out on the PH-DRIVER PWB detected: High.	IOT Manager
042-200	IBT Belt Home Sensor	H / L	Detects the Home Position of the IBT Belt. Home detected: Low.	Drive
047-200	OCT Front Position Sensor	H / L	Detects OCT Front Position Sensor ON/OFF. OCT Front position detected: High.	OutCon
047-201	OCT Rear Position Sensor	H / L	Detects OCT Rear Position Sensor ON/OFF. OCT Rear position detected: High.	OutCon
047-202	OCT Full Stack Sensor	H / L	Detects OCT Full Stack Sensor ON/OFF. OCT Full detected: Low.	OutCon
047-203	OCT Detect	H / L	Detects the OCT. OCT detected: Low.	OutCon
061-200	ROS Motor Y/M: Ready	H / L	Displays the ROS Motor Y/M Ready signal. Ready detected: Low.	ROS

Table 1 DC330 Input Component Check List (IOT)

Chain-Link	Component Name	Display	Description	Module Name
061-201	ROS Motor C/K: Ready	H / L	Displays the ROS Motor C/K Ready signal. Ready detected: Low.	ROS
061-202	NO-SOS FAIL M	H / L	Displays the status of the NO-SOS FAIL M signal. Normal detected: Low.	ROS
061-203	NO-SOS FAIL K	H / L	Displays the status of the NO-SOS FAIL K signal. Normal detected: Low.	ROS
061-204	NO-SOS FAIL M	H / L	Displays the status of the NO-SOS FAIL M signal. Normal detected: Low.	ROS
061-205	SOS LONG FAIL K	H / L	Displays the status of the SOS LONG FAIL K signal. Normal detected: Low.	ROS
061-206	SOS SHORT FAIL M	H / L	Displays the status of the SOS SHORT FAIL M signal. Normal detected: Low.	ROS
061-207	SOS SHORT FAIL K	H / L	Displays the status of the SOS SHORT FAIL K signal. Normal detected: Low.	ROS
061-208	SOS STOP FAIL M	H / L	Displays the status of the SOS STOP FAIL M signal. Normal detected: Low.	ROS
061-209	SOS STOP FAIL K	H / L	Displays the status of the SOS STOP FAIL K signal. Normal detected: Low.	ROS
061-210	LD_ALARM Y	H / L	Displays the status of the LD_ALARM Y signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm Y in the NVM area. Normal detected: Low.	ROS
061-211	LD_ALARM M	H / L	Displays the status of the LD_ALARM M signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm M in the NVM area. Normal detected: Low.	ROS
061-212	LD_ALARM C	H / L	Displays the status of the LD_ALARM C signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm C in the NVM area. Normal detected: Low.	ROS
061-213	LD_ALARM K	H / L	Displays the status of the LD_ALARM K signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm K in the NVM area. Normal detected: Low.	ROS
061-214	ROS Connect Fail (Y)	H / L	Displays the status of the connection between the ROS Y PWB and the MCU. Normal detected: Low.	ROS
061-215	ROS Connect Fail (M)	H / L	Displays the status of the connection between the ROS M PWB and the MCU. Normal detected: Low.	ROS
061-216	ROS Connect Fail (C)	H / L	Displays the status of the connection between the ROS C PWB and the MCU. Normal detected: Low.	ROS
061-217	ROS Connect Fail (K)	H / L	Displays the status of the connection between the ROS K PWB and the MCU. Normal detected: Low.	ROS
061-200	ROS Motor Y/M: Ready	H / L	Displays the ROS Motor Y/M Ready signal. Ready detected: Low.	ROS
061-201	ROS Motor C/K: Ready	H / L	Displays the ROS Motor C/K Ready signal. Ready detected: Low.	ROS

Table 1 DC330 Input Component Check List (IOT)

Chain-Link	Component Name	Display	Description	Module Name
061-202	NO-SOS FAIL M	H / L	Displays the status of the NO-SOS FAIL M signal. Normal detected: Low.	ROS
061-203	NO-SOS FAIL K	H / L	Displays the status of the NO-SOS FAIL K signal. Normal detected: Low.	ROS
061-204	NO-SOS FAIL M	H / L	Displays the status of the NO-SOS FAIL M signal. Normal detected: Low.	ROS
061-205	SOS LONG FAIL K	H / L	Displays the status of the SOS LONG FAIL K signal. Normal detected: Low.	ROS
061-206	SOS SHORT FAIL M	H / L	Displays the status of the SOS SHORT FAIL M signal. Normal detected: Low.	ROS
061-207	SOS SHORT FAIL K	H / L	Displays the status of the SOS SHORT FAIL K signal. Normal detected: Low.	ROS
061-208	SOS STOP FAIL M	H / L	Displays the status of the SOS STOP FAIL M signal. Normal detected: Low.	ROS
061-209	SOS STOP FAIL K	H / L	Displays the status of the SOS STOP FAIL K signal. Normal detected: Low.	ROS
061-210	LD_ALARM Y	H / L	Displays the status of the LD_ALARM Y signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm Y in the NVM area. Normal detected: Low.	ROS
061-211	LD_ALARM M	H / L	Displays the status of the LD_ALARM M signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm M in the NVM area. Normal detected: Low.	ROS
061-212	LD_ALARM C	H / L	Displays the status of the LD_ALARM C signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm C in the NVM area. Normal detected: Low.	ROS
061-213	LD_ALARM K	H / L	Displays the status of the LD_ALARM K signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm K in the NVM area. Normal detected: Low.	ROS
061-214	ROS Connect Fail (Y)	H / L	Displays the status of the connection between the ROS Y PWB and the MCU. Normal detected: Low.	ROS
061-215	ROS Connect Fail (M)	H / L	Displays the status of the connection between the ROS M PWB and the MCU. Normal detected: Low.	ROS
061-216	ROS Connect Fail (C)	H / L	Displays the status of the connection between the ROS C PWB and the MCU. Normal detected: Low.	ROS
061-217	ROS Connect Fail (K)	H / L	Displays the status of the connection between the ROS K PWB and the MCU. Normal detected: Low.	ROS
061-200	ROS Motor Y/M: Ready	H / L	Displays the ROS Motor Y/M Ready signal. Ready detected: Low.	ROS
061-201	ROS Motor C/K: Ready	H / L	Displays the ROS Motor C/K Ready signal. Ready detected: Low.	ROS
061-202	NO-SOS FAIL M	H / L	Displays the status of the NO-SOS FAIL M signal. Normal detected: Low.	ROS

Table 1 DC330 Input Component Check List (IOT)

Chain-Link	Component Name	Display	Description	Module Name
061-203	NO-SOS FAIL K	H / L	Displays the status of the NO-SOS FAIL K signal. Normal detected: Low.	ROS
061-204	NO-SOS FAIL M	H / L	Displays the status of the NO-SOS FAIL M signal. Normal detected: Low.	ROS
061-205	SOS LONG FAIL K	H / L	Displays the status of the SOS LONG FAIL K signal. Normal detected: Low.	ROS
061-206	SOS SHORT FAIL M	H / L	Displays the status of the SOS SHORT FAIL M signal. Normal detected: Low.	ROS
061-207	SOS SHORT FAIL K	H / L	Displays the status of the SOS SHORT FAIL K signal. Normal detected: Low.	ROS
061-208	SOS STOP FAIL M	H / L	Displays the status of the SOS STOP FAIL M signal. Normal detected: Low.	ROS
061-209	SOS STOP FAIL K	H / L	Displays the status of the SOS STOP FAIL K signal. Normal detected: Low.	ROS
061-210	LD_ALARM Y	H / L	Displays the status of the LD_ALARM Y signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm Y in the NVM area. Normal detected: Low.	ROS
061-211	LD_ALARM M	H / L	Displays the status of the LD_ALARM M signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm M in the NVM area. Normal detected: Low.	ROS
061-212	LD_ALARM C	H / L	Displays the status of the LD_ALARM C signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm C in the NVM area. Normal detected: Low.	ROS
061-213	LD_ALARM K	H / L	Displays the status of the LD_ALARM K signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm K in the NVM area. Normal detected: Low.	ROS
061-214	ROS Connect Fail (Y)	H / L	Displays the status of the connection between the ROS Y PWB and the MCU. Normal detected: Low.	ROS
061-215	ROS Connect Fail (M)	H / L	Displays the status of the connection between the ROS M PWB and the MCU. Normal detected: Low.	ROS
061-216	ROS Connect Fail (C)	H / L	Displays the status of the connection between the ROS C PWB and the MCU. Normal detected: Low.	ROS
061-217	ROS Connect Fail (K)	H / L	Displays the status of the connection between the ROS K PWB and the MCU. Normal detected: Low.	ROS
061-200	ROS Motor Y/M: Ready	H / L	Displays the ROS Motor Y/M Ready signal. Ready detected: Low.	ROS
061-201	ROS Motor C/K: Ready	H / L	Displays the ROS Motor C/K Ready signal. Ready detected: Low.	ROS
061-202	NO-SOS FAIL M	H / L	Displays the status of the NO-SOS FAIL M signal. Normal detected: Low.	ROS
061-203	NO-SOS FAIL K	H / L	Displays the status of the NO-SOS FAIL K signal. Normal detected: Low.	ROS

Table 1 DC330 Input Component Check List (IOT)

Chain-Link	Component Name	Display	Description	Module Name
061-204	NO-SOS FAIL M	H / L	Displays the status of the NO-SOS FAIL M signal. Normal detected: Low.	ROS
061-205	SOS LONG FAIL K	H / L	Displays the status of the SOS LONG FAIL K signal. Normal detected: Low.	ROS
061-206	SOS SHORT FAIL M	H / L	Displays the status of the SOS SHORT FAIL M signal. Normal detected: Low.	ROS
061-207	SOS SHORT FAIL K	H / L	Displays the status of the SOS SHORT FAIL K signal. Normal detected: Low.	ROS
061-208	SOS STOP FAIL M	H / L	Displays the status of the SOS STOP FAIL M signal. Normal detected: Low.	ROS
061-209	SOS STOP FAIL K	H / L	Displays the status of the SOS STOP FAIL K signal. Normal detected: Low.	ROS
061-210	LD_ALARM Y	H / L	Displays the status of the LD_ALARM Y signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm Y in the NVM area. Normal detected: Low.	ROS
061-211	LD_ALARM M	H / L	Displays the status of the LD_ALARM M signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm M in the NVM area. Normal detected: Low.	ROS
061-212	LD_ALARM C	H / L	Displays the status of the LD_ALARM C signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm C in the NVM area. Normal detected: Low.	ROS
061-213	LD_ALARM K	H / L	Displays the status of the LD_ALARM K signal. When an LD Alarm occurs, stores the detail of the LD status at the occurrence of the LD Alarm K in the NVM area. Normal detected: Low.	ROS
061-214	ROS Connect Fail (Y)	H / L	Displays the status of the connection between the ROS Y PWB and the MCU. Normal detected: Low.	ROS
061-215	ROS Connect Fail (M)	H / L	Displays the status of the connection between the ROS M PWB and the MCU. Normal detected: Low.	ROS
061-216	ROS Connect Fail (C)	H / L	Displays the status of the connection between the ROS C PWB and the MCU. Normal detected: Low.	ROS
061-217	ROS Connect Fail (K)	H / L	Displays the status of the connection between the ROS K PWB and the MCU. Normal detected: Low.	ROS
071-100	Tray 1 Pre Feed Sensor	H / L	Detects the Tray 1 Pre Feed Sensor ON/OFF. Paper detected: Low.	P/H
071-101	Feed Out Sensor1	H / L	Detects the Feed Out Sensor 1 ON/OFF. Paper detected: Low.	P/H
071-200	Tray 1 Level Sensor	H / L	Detects the Tray 1 Level Sensor ON/OFF. Lift Up position detected: High.	P/H
071-201	Tray 1 No Paper Sensor	H / L	Detects the Tray 1 No Paper Sensor ON/OFF. No paper detected: High.	P/H
071-202	Tray 1 Paper Size Sensor Signal	H / L	Detects the Tray 1 Paper Size Sensor ON/OFF. For details on the Paper Size voltage value, refer to 7.3 BSD CH7.1 Tray 1 Paper Size Sensing in Chapter 7.	P/H

Table 1 DC330 Input Component Check List (IOT)

Chain-Link	Component Name	Display	Description	Module Name
072-100	Tray 2 Pre Feed Sensor	H / L	Detects the Tray 2 Pre Feed Sensor ON/OFF. Paper detected: Low.	P/H
072-101	Feed Out Sensor2	H / L	Detects the Feed Out Sensor 2 ON/OFF. Paper detected: Low.	P/H
072-200	Tray 2 Level Sensor	H / L	Detects the Tray 2 Level Sensor ON/OFF. Lift Up position detected: High.	P/H
072-201	Tray 2 No Paper Sensor	H / L	Detects the Tray 2 No Paper Sensor ON/OFF. No paper detected: High.	P/H
072-202	Tray 2 Paper Size Sensor Signal	H / L	Detects the Tray 2 Size Sensor Digital ON/OFF. For details on the Paper Size voltage value, refer to 7.3 BSD CH7.2 Tray 2 Paper Size Sensing in Chapter 7.	P/H
073-100	Tray 3 Pre Feed Sensor	H / L	Detects the Tray 3 Pre Feed Sensor ON/OFF. Paper detected: Low.	P/H
073-101	Feed Out Sensor 3	H / L	Detects the Feed Out Sensor 3 ON/OFF. Paper detected: Low.	P/H
073-200	Tray 3 Level Sensor	H / L	Detects the Tray 3 Level Sensor ON/OFF. Lift Up position detected: High.	P/H
073-201	Tray 3 No Paper Sensor	H / L	Detects the Tray 3 No Paper Sensor ON/OFF. No paper detected: High.	P/H
073-202	Tray 3 Paper Size Sensor Signal	H / L	Detects the Tray 3 Size Sensor Digital ON/OFF. For details on the Paper Size voltage value, refer to 7.3 BSD CH7.3 Tray 3 Paper Size Sensing in Chapter 7.	P/H
075-100	MSI Pre Feed Sensor	H / L	Detects the MSI Pre Feed Sensor ON/OFF. Paper detected: Low.	P/H
075-200	MSI Lift Up Sensor	H / L	Detects the MSI Lift Up Sensor ON/OFF. Lift Up position detected: High.	P/H
075-201	MSI Down Sensor	H / L	Detects the MSI Down Sensor ON/OFF. Lift Down position detected: High.	P/H
075-202	MSI No Paper Sensor	H / L	Detects the MSI No Paper Sensor ON/OFF. Paper detected: Low.	P/H
075-203	MSI Paper Set Sensor	H / L	Detects the MSI Paper Set Sensor ON/OFF. Paper detected: High.	P/H
077-100	Pre Regi Sensor	H / L	Detects the Pre Regi Sensor ON/OFF. Paper detected: Low.	P/H
077-101	MSI Pre Regi Sensor	H / L	Detects the MSI Pre Regi Sensor ON/OFF. Paper detected: Low.	P/H
077-102	Regi In Sensor	H / L	Detects the Regi In Sensor ON/OFF. Paper detected: Low.	P/H
077-103	Regi Out Sensor	H / L	Detects the Regi Out Sensor ON/OFF. Paper detected: Low.	P/H
077-104	Transparency Sensor (Not in use)	H / L	Detects the Transparency Sensor ON/OFF. White frame detected: Low.	P/H
077-105	Side Shift Home Sensor	H / L	Detects the position of the Regi Roll. Rear side detected: Low.	P/H

Table 1 DC330 Input Component Check List (IOT)

Chain-Link	Component Name	Display	Description	Module Name
077-106	Pre Regi N/R Home Sensor	H / L	Detects the Nip/Release status of the Pre Regi Roll. Nip status detected: Low.	P/H
077-107	Regi N/R Home Sensor	H / L	Detects the Nip/Release status of the Regi Roll. Nip status detected: Low.	P/H
077-109	Invert In Sensor	H / L	Detects the Invert In Sensor ON/OFF. Paper detected: Low.	P/H
077-110	Invert Path Sensor	H / L	Detects the Invert Path Sensor ON/OFF. Paper detected: Low.	P/H
077-111	Invert End Sensor	H / L	Detects the Invert End Sensor ON/OFF. Paper detected: High.	P/H
077-112	Invert N/R Sensor	H / L	Detects the Invert N/R Sensor ON/OFF. Nip status detected: Low.	P/H
077-113	Dup In Sensor	H / L	Detects the Dup In Sensor ON/OFF. Paper detected: Low.	P/H
077-115	Dup Out Sensor	H / L	Detects the Dup Out Sensor ON/OFF. Paper detected: Low.	P/H
077-116	IOT Exit Sensor	H / L	Detects the IOT Exit Sensor ON/OFF. Paper detected: Low.	P/H
077-117	Invert Gate Home Sensor	H / L	Detects the Invert Gate Home Sensor ON/OFF. Exit direction detected: Low.	P/H
077-300	Front Cover Interlock	H / L	Detects the Front Cover Interlock Open/Close. Front Cover Open detected: Low.	P/H
077-301	Right Hand Cover Interlock	H / L	Detects Right Hand Cover Interlock Open/Close. Right Hand Cover Open detected: High.	P/H
077-302	Left Hand Cover Interlock	H / L	Detects the Left Hand Cover Interlock Open/Close. Left Hand Cover Open detected: High.	P/H
077-303	PH Drawer Interlock	H / L	Detects PH Drawer Interlock Open/Close. PH Drawer Interlock Open detected: High.	P/H
077-304	MSI Cover Interlock	H / L	Detects MSI Cover Interlock Open/Close. MSI Cover Interlock Cover Open detected: Low.	P/H
091-200	Waste Container Set Sensor	H / L	Detects the Waste Toner Container. Waste Toner Container detected: High.	Xero
091-201	Waste Container Full Sensor	H / L	Detects Waste Toner Container Near Full. Waste Toner Container Near Full detected: High.	Xero

Table 1 DC330 Input Component Check List (IOT)

Chain-Link	Component Name	Display	Description	Module Name
093-200	Low Toner Y	H / L	<p>Detects the Toner availability in Toner Reserve Tank Y.</p> <p>No Toner detection condition: [I/O] Low Toner Sensor Y (Low) [I/O] Toner Selector A (Low) [I/O] Toner Selector B (Low)</p> <p>Switches among Y, M, C, and K according to the combination of Toner Selector A and B. For details on the switching among Y, M, C, and K, refer to 7.3 BSD CH9.15 Toner Dispense Control (1/3) in Chapter 7.</p> <p>(When this component is running, the components that cannot be outputting simultaneously are: 093-201, 093-202, and 093-203)</p> <p>NOTE: According to the Low Toner Sensor hardware configuration, the level is unstable for approx. 3 seconds after Power ON and 1 second after the start of Component Check.</p>	Deve
093-201	Low Toner M	H / L	<p>Detects the Toner availability in Toner Reserve Tank M.</p> <p>No Toner detection condition: [I/O] Low Toner Sensor M (Low) [I/O] Toner Selector A (High) [I/O] Toner Selector B (Low)</p> <p>Switches among Y, M, C, and K according to the combination of Toner Selector A and B. For details on the switching among Y, M, C, and K, refer to 7.3 BSD CH9.15 Toner Dispense Control (1/3) in Chapter 7.</p> <p>(When this component is running, the components that cannot be outputting simultaneously are: 093-200, 093-202, and 093-203)</p> <p>NOTE: According to the Low Toner Sensor hardware configuration, the level is unstable for approx. 3 seconds after Power ON and 1 second after the start of Component Check.</p>	Deve
093-202	Low Toner C	H / L	<p>Detects the Toner availability in Toner Reserve Tank C.</p> <p>No Toner detection condition: [I/O] Low Toner Sensor C (Low) [I/O] Toner Selector A (Low) [I/O] Toner Selector B (High)</p> <p>Switches among Y, M, C, and K according to the combination of Toner Selector A and B. For details on the switching among Y, M, C, and K, refer to 7.3 BSD CH9.15 Toner Dispense Control (1/3) in Chapter 7.</p> <p>(When this component is running, the components that cannot be outputting simultaneously are: 093-200, 093-201, and 093-203)</p> <p>NOTE: According to the Low Toner Sensor hardware configuration, the level is unstable for approx. 3 seconds after Power ON and 1 second after the start of Component Check.</p>	Deve
093-203	Low Toner K	H / L	<p>Detects the Toner availability in Toner Reserve Tank K.</p> <p>No Toner detection condition: [I/O] Low Toner Sensor K (Low) [I/O] Toner Selector A (High) [I/O] Toner Selector B (High)</p> <p>Switches among Y, M, C, and K according to the combination of Toner Selector A and B. For details on the switching among Y, M, C, and K, refer to 7.3 BSD CH9.15 Toner Dispense Control (1/3) in Chapter 7.</p> <p>(When this component is running, the components that cannot be outputting simultaneously are: 093-200, 093-201, and 093-202)</p> <p>NOTE: According to the Low Toner Sensor hardware configuration, the level is unstable for approx. 3 seconds after Power ON and 1 second after the start of Component Check.</p>	Deve

Table 1 DC330 Input Component Check List (IOT)

Chain-Link	Component Name	Display	Description	Module Name
093-205	Dispense Cover Switch 1	H / L	Detects the open/closed status of the Dispense Cover. Dispense Cover Open status: High.	Deve
093-206	Marking Drawer Interlock	H / L	Detects the open/closed status of the Marking Drawer. Marking Drawer Closed status: Low.	Deve
094-200	1st BTR CONT/RET Sensor	H / L	Detects the 1st BTR CONT/RET Sensor ON/OFF. Retract position detected: Low.	Xfer
094-201	2nd BTR CONT/RET Sensor	H / L	Detects the 2nd BTR CONT/RET Sensor ON/OFF. Retract position detected: Low.	Xfer
094-202	Post 2nd BTR Sensor	H / L	Detects the Post 2nd BTR Sensor ON/OFF. Paper detected: Low.	Xfer

6.3.1.4 DC330 Input Component Check List (IF Module)

Table 1 DC330 Input Component Check List (IF Module)

Chain-Link	Component Name	Display	Description	Module Name
048-100	IOT Exit Sensor (Hot Line)	H / L	Paper detection at IOT Exit Sensor (Hot Line) Paper detected: Low.	I/F Module
048-101	IFM Transpot SNR	H / L	Paper detection at IFM Transport Sensor. Paper detected: Low.	I/F Module
048-102	IFM Decurler In SNR	H / L	Paper detection at IFM Decurler In Sensor. Paper detected: Low.	I/F Module
048-103	IFM Exit SNR	H / L	Paper detection at IFM Exit Sensor. Paper detected: Low.	I/F Module
048-201	IFM Decurler Cam Position 1 SNR	H / L	Detects light blockage at IFM Decurler Cam Position 1 Sensor. Light blockage detected: High. Position 1: H, Position 2: L -> Pene Up 2, Down 10 Position 1: L, Position 2: L -> Pene Up 6, Down 8 Position 1: L, Position 2: H -> Pene Up 10, Down 2 Position 1: H, Position 2: H -> Pene Up 8, Down 6	I/F Module
048-202	IFM Decurler Cam Position 2 SNR	H / L	Detects light blockage at IFM Decurler Cam Position 2 Sensor. Light blockage detected: High. Position 1: H, Position 2: L -> Pene Up 2, Down 10 Position 1: L, Position 2: L -> Pene Up 6, Down 8 Position 1: L, Position 2: H -> Pene Up 10, Down 2 Position 1: H, Position 2: H -> Pene Up 8, Down 6	I/F Module
048-203	IFM Decurler Gate SNR	H / L	Detects the direction of IFM Decurler Gate. Upper side detection: Top feed side (Gate is positioned at the bottom) - Sensor in blocked state: High. Lower side detection: Bottom feed side (Gate is positioned at the top) - Sensor in exposed state: Low.	I/F Module
048-204	IFM Manual Decurler Down SW	H / L	Detects the IFM Manual Decurler Down SW ON/OFF. Switch is ON: Low.	I/F Module
048-205	IFM Manual Decurler Up SW	H / L	Detects the IFM Manual Decurler Up SW ON/OFF. Switch is ON: Low.	I/F Module
048-206	IFM Auto Decurler SW	H / L	Detects the IFM Auto Decurler SW ON/OFF. Switch is ON: Low.	I/F Module
048-207	IFM Fan 1/2 LOCK	H / L	Detects the rotation of both IFM Fan 1 and IFM Fan 2. Rotation detected: Low.	I/F Module
048-208	IFM Fan 3 LOCK	H / L	Detects the rotation of IFM Fan 3. Rotation detected: Low.	I/F Module
048-209	IFM Fan 5 LOCK	H / L	Detects the rotation of IFM Fan 5. Rotation detected: Low.	I/F Module
048-210	Output 1 Detect	H / L	Detects the electrical connection of HCS 1. Connection detected: Low.	I/F Module
048-211	Output 2 Detect	H / L	Detects the electrical connection of HCS 2. Connection detected: Low.	I/F Module
048-212	Output 3 Detect	H / L	Detects the electrical connection of Finishing Device 3. Connection detected: Low.	I/F Module

Table 1 DC330 Input Component Check List (IF Module)

Chain-Link	Component Name	Display	Description	Module Name
048-213	Output 4 Detect	H / L	Detects the electrical connection of Finishing Device 4. Connection detected: Low.	I/F Module
048-214	Output 5 Detect	H / L	Detects the electrical connection of Finishing Device 5. Connection detected: Low.	I/F Module
048-215	Output 6 Detect	H / L	Detects the electrical connection of Finisher D4. Connection detected: Low.	I/F Module
048-216	Output 1 Exit SNR IN	H / L	Paper detection at Exit Sensor of HCS 1 bypass transport path. Paper detected: Low.	I/F Module
048-217	Output 3 Exit SNR IN	H / L	Paper detection at Exit Sensor of HCS 2 bypass transport path. Paper detected: Low.	I/F Module
048-219	Output 5 Exit SNR IN	H / L	Paper detection at Exit Sensor of Finishing Device 5 bypass transport path. Paper detected: Low.	I/F Module
048-220	Output 6 Exit SNR IN	H / L	Paper detection at Exit Sensor of Finishing Device 6 bypass transport path. Paper detected: Low.	I/F Module
048-221	IFM Ent Chute Open SNR	H / L	Detects the opening of IFM Ent Chute. Sensor is in exposed state - Open detected: Low. Sensor is in blocked state - Closed detected: High.	I/F Module
048-222	Output 2 Exit SNR IN	H / L	Paper detection at Exit Sensor of Finisher D4 bypass transport path. Paper detected: Low.	I/F Module
048-300	IFM Front Door SW	H / L	Detects the IFM Front Door open/close. Open detected: High.	I/F Module

6.3.1.5 DC330 Input Component Check List (HCS 1)

Table 1 DC330 Input Component Check List (HCS 1)

Chain-Link	Component Name	Display	Description	Module Name
049-101	TOP TRAY EXIT SNR	H / L	Detection at TOP TRAY EXIT Sensor. For detection of TOP TRAY Output Jam (paper detected): Low.	HCS 1
049-102	TOP TRAY PATH SNR	H / L	Detection at TOP TRAY PATH Sensor. For detection of TOP TRAY Transport Path Jam (paper detected): Low.	HCS 1
049-103	BYPASS EXIT SNR	H / L	Detection at BYPASS EXIT Sensor. For detection of Straight Output Jam (paper detected): Low.	HCS 1
049-104	BYPASS PATH SNR 1	H / L	Detection at BYPASS PATH Sensor 1. For detection of Straight Transport Path Jam (paper detected): Low.	HCS 1
049-105	STACKER PATH SNR	H / L	Detection at STACKER PATH Sensor. For detection of STACKER Transport Path Jam (paper detected): Low.	HCS 1
049-106	STACKER EXIT SNR	H / L	Detection at STACKER EXIT Sensor. For detection of Paper Delivery Jam (paper detected): Low.	HCS 1
049-107	BYPASS PATH SNR 2	H / L	Detection at BYPASS PATH Sensor 2. For detection of Straight Transport Path Jam (paper detected): Low.	HCS 1
049-108	UPPER DEVICE EXIT SNR	H / L	Detection at UPPER DEVICE EXIT Sensor. Paper detected at UPPER DEVICE EXIT: Low.	HCS 1
049-200	Front Door Lock Sensor	H / L	Detection at Front Door Lock Sensor. Front Cover locked (Sensor is blocked): Low.	HCS 1
049-201	Stacker Upper Limit Switch	H / L	Detection of Stacker Upper Limit Switch. Elevator Tray upper position overrun (Switch is ON): High.	HCS 1
049-202	DOLLY REMOVE SW	H / L	Detection of DOLLY REMOVE Switch. Paper removal request (Panel Switch is pressed): Low.	HCS 1
049-203	SAMPLE REJECT SW	H / L	Detection of SAMPLE REJECT Switch. Sample ejection request (Panel Switch is pressed): Low.	HCS 1
049-207	DOLLY SET POSITION SNR	H / L	Detection at DOLLY SET POSITION Sensor. Dolly pulled out position (Sensor is blocked): Low.	HCS 1
049-208	Tray Set Sensor	H / L	Detection at Tray Set Sensor. Dolly exists (Sensor is blocked): Low.	HCS 1
049-209	Height Sensor Side Left	H / L	Detection at Height Sensor Side Left. Stack error (Sensor is blocked): High.	HCS 1
049-210	Height Sensor Side Center	H / L	Detection at Height Sensor Side Center. Stack error (Sensor is blocked): High.	HCS 1
049-211	Height Sensor Side Right	H / L	Detection at Height Sensor Side Right. Stack error (Sensor is blocked): High.	HCS 1
049-212	Height Sensor Lead	H / L	Detection at Height Sensor Lead. Stack error (Sensor is blocked): High.	HCS 1
049-214	STACK FULL SNR	H / L	Detection at STACK FULL Sensor. Stacker full (Sensor is blocked): Low.	HCS 1
049-215	STACK HEIGHT CONTROL SENSOR	H / L	Detection at STACK HEIGHT CONTROL Sensor. Stacker paper top surface detected (paper detected): Low.	HCS 1

Table 1 DC330 Input Component Check List (HCS 1)

Chain-Link	Component Name	Display	Description	Module Name
049-218	STACK NO PAPER SENSOR	H / L	Detection at STACK NO PAPER Sensor. Paper exists in Tray (Sensor is blocked): High	HCS 1
049-219	Stacker Lower Limit Switch	H / L	Detection of Stacker Lower Limit Switch. Elevator Tray lower position overrun (Switch is ON): High.	HCS 1
049-221	LEAD TAMPER HOME SENSOR	H / L	Detection at LEAD TAMPER HOME Sensor. At home position (Sensor is blocked): Low.	HCS 1
049-223	SET CLAMP HOME SNR	H / L	Detection at SET CLAMP HOME Sensor. At home position (Sensor is blocked): Low.	HCS 1
049-224	SIDE TAMPER EXTENSION HOME SNR	H / L	Detection at SIDE TAMPER EXTENSION HOME Sensor. At home position (Sensor is blocked): Low.	HCS 1
049-225	Rear Tamper Home Sensor	H / L	Detection at Rear Tamper Home Sensor. At home position (Sensor is blocked): Low.	HCS 1
049-226	Front Tamper Home Sensor	H / L	Detection at Front Tamper Home Sensor. At home position (Sensor is blocked): Low.	HCS 1
049-227	PAD MOVE HOME SNR	H / L	Detection at PAD MOVE HOME Sensor. At home position (Sensor is blocked): Low.	HCS 1
049-228	TOP TRAY FULL SNR	H / L	Detection at TOP TRAY FULL Sensor. Top Tray Full (paper detected): Low.	HCS 1
049-229	STACKER EXIT ROLL HOME SNR	H / L	Detection at STACKER EXIT ROLL HOME Sensor. At home position (Sensor is blocked): Low.	HCS 1
049-230	Gete Sensor 1	H / L	Detection at Gete Sensor 1. Stacker transport (Sensor is blocked): Low.	HCS 1
049-231	Gete Sensor 2	H / L	Detection at Gete Sensor 2. Bypass transport (Sensor is blocked): Low.	HCS 1
049-232	Rear Paper Edge Sensor	H / L	Detection at Rear Paper Edge Sensor. Edge detected at Paper IN side (paper detected): Low.	HCS 1
049-233	Front Paper Edge Sensor	H / L	Detection at Front Paper Edge Sensor. Edge detected at Paper OUT side (paper detected): Low.	HCS 1
049-234	Paper Edge Home Sensor	H / L	Detection at Paper Edge Home Sensor. At home position (Sensor is blocked): Low.	HCS 1
049-235	Lower Fan Fail Sensor	H / L	Detection at internal Lower Fan Fail Sensor. Fan error (stopped): High.	HCS 1
049-237	Paper Fan 1 Fail Sensor	H / L	Detection at internal Paper Fan 1 Fail Sensor. Fan error (stopped): High.	HCS 1
049-238	Paper Fan 2 Fail Sensor	H / L	Detection at internal Paper Fan 2 Fail Sensor. Fan error (stopped): High.	HCS 1
049-239	Upper Fan Fail Sensor	H / L	Detection at internal Upper Fan Fail Sensor. Fan error (stopped): High.	HCS 1
049-241	Stacker Upper Limit Sensor	H / L	Detection at Stacker Upper Limit Sensor. Elevator Tray upper position overrun (Sensor is blocked): Low.	HCS 1
049-242	Chute Open Sensor	H / L	Detection at Chute Open Sensor. Chute Open detected (Sensor is blocked): Low.	HCS 1

Table 1 DC330 Input Component Check List (HCS 1)

Chain-Link	Component Name	Display	Description	Module Name
049-243	Elevator Encoder Sensor	H / L	Detects the Elevator Motor out-of-step. Detection at Elevator Encoder Sensor (Sensor is blocked): Low.	HCS 1
049-244	Stacker Up Curl Sensor	H / L	Detection at Stacker Up Curl Sensor. Stack error (Up Curl detected = Sensor is blocked): High.	HCS 1
049-301	HCS UPPER COVER SW	H / L	Detection at HCS UPPER COVER Switch. Upper Cover Open: High.	HCS 1
049-302	HCS FRONT DOOR SW	H / L	Detection at HCS FRONT DOOR Switch. Front Door Open: High.	HCS 1

6.3.2.1 DC330 Output Component Check List (DADF-250 Color)

Table 1 DC330 Output Component Check List (DADF-250 Color)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	ON State	Module Name
005-001	CVT Feed Motor : CCW 55.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-002~005-010 005-013~005-014 005-074	-	DADF
005-002	CVT Feed Motor : CCW 73.3 mm/s.	Turns ON for 50 s -> Auto OFF	O	X	005-001 005-003~005-010 005-013~005-014 005-074	-	DADF
005-003	CVT Feed Motor : CCW 82.5 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-001~005-002 005-004~005-010 005-013~005-014 005-074	-	DADF
005-004	CVT Feed Motor : CCW 10.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-001~005-003 005-005~005-010 005-013~005-014 005-074	-	DADF
005-005	CVT Feed Motor : CCW 146.7 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-001~005-004 005-006~005-010 005-013~005-014 005-074	-	DADF
005-006	CVT Feed Motor : CCW 165.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-001~005-005 005-007~005-010 005-013~005-014 005-074	-	DADF
005-007	CVT Feed Motor : CCW 220.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-001~005-006 005-008~005-010 005-013~005-014 005-074	-	DADF
005-008	CVT Feed Motor : CCW 293.3 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-001~005-007 005-009~005-010 005-013~005-014 005-074	-	DADF
005-009	CVT Feed Motor : CCW 330.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-001~005-008 005-010~005-010 005-013~005-014 005-074	-	DADF
005-010	CVT Feed Motor : CCW 400.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-001~005-009 005-013~005-014 005-074	-	DADF
005-013	CVT Feed Motor : CCW 440.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-001~005-010 005-014, 005-074	-	DADF

Table 1 DC330 Output Component Check List (DADF-250 Color)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	ON State	Module Name
005-014	CVT Feed Motor : CW 700.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-001~005-010 005-013, 005-074	-	DADF
005-015	CVT Pre Regi Motor (CCW 55.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-016~005-025 005-076~005-077 005-089	-	DADF
005-016	CVT Pre Regi Motor (CCW 73.3 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-015 005-017~005-025 005-076~005-077 005-089	-	DADF
005-017	CVT Pre Regi Motor (CCW 82.5 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-015~005-016 005-018~005-025 005-076~005-077 005-089	-	DADF
005-018	CVT Pre Regi Motor (CCW 110.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-015~005-017 005-019~005-025 005-076~005-077 005-089	-	DADF
005-019	CVT Pre Regi Motor (CCW 146.7 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-015~005-018 005-020~005-025 005-076~005-077 005-089	-	DADF
005-020	CVT Pre Regi Motor (CCW 165.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-015~005-019 005-021~005-025 005-076~005-077 005-089	-	DADF
005-021	CVT Pre Regi Motor (CCW 220.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-015~005-020 005-022~005-025 005-076~005-077 005-089	-	DADF
005-022	CVT Pre Regi Motor (CCW 293.3 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-015~005-021 005-023~005-025 005-076~005-077 005-089	-	DADF
005-023	CVT Pre Regi Motor (CCW 330.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-015~005-022 005-024~005-025 005-076~005-077 005-089	-	DADF
005-024	CVT Pre Regi Motor (CCW 440.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-015~005-023 005-025 005-076~005-077 005-089	-	DADF

Table 1 DC330 Output Component Check List (DADF-250 Color)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	ON State	Module Name
005-025	CVT Pre Regi Motor (CCW 700.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-015~005-024 005-076~005-077 005-089	-	DADF
005-026	CVT Regi Motor : CCW 55.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-027~005-036 005-078~005-080	-	DADF
005-027	CVT Regi Motor : CCW 73.3 mm/s.	Turns ON for 50 s -> Auto OFF	O	X	005-026 005-028~005-036 005-078~005-080	-	DADF
005-028	CVT Regi Motor : CCW 82.5 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-026~005-027 005-029~005-036 005-078~005-080	-	DADF
005-029	CVT Regi Motor : CCW 110.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-026~005-028 005-030~005-036 005-078~005-080	-	DADF
005-030	CVT Regi Motor : CCW 146.7 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-026~005-029 005-031~005-036 005-078~005-080	-	DADF
005-031	CVT Regi Motor : CCW 165.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-026~005-030 005-032~005-036 005-078~005-080	-	DADF
005-032	CVT Regi Motor : CCW 220.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-026~005-031 005-033~005-036 005-078~005-080	-	DADF
005-033	CVT Regi Motor : CCW 293.3 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-026~005-032 005-034~005-036 005-078~005-080	-	DADF
005-034	CVT Regi Motor : CCW 330.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-026~005-033 005-035~005-036 005-078~005-080	-	DADF
005-035	CVT Regi Motor (CCW 440.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-026~005-034 005-037~005-036 005-078~005-080	-	DADF
005-036	CVT Regi Motor : CW 35.2 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-026~005-036 005-078~005-080	-	DADF
005-037	CVT Platen Motor (CCW 55.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-038~005-039 005-041~005-047 005-085	-	DADF
005-038	CVT Platen Motor (CCW 73.3 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-037 005-039 005-041~005-047 005-085	-	DADF

Table 1 DC330 Output Component Check List (DADF-250 Color)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	ON State	Module Name
005-039	CVT Platen Motor (CCW 82.5 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-037~005-038 005-041~005-047 005-085	-	DADF
005-041	CVT Platen Motor (CCW 110.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-042~005-047 005-085	-	DADF
005-042	CVT Platen Motor (CCW 146.7 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-037~005-039 005-041 005-043~005-047 005-085	-	DADF
005-043	CVT Platen Motor (CCW 165.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-037~005-039 005-041~005-042 005-044~005-047 005-085	-	DADF
005-044	CVT Platen Motor (CCW 220.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-037~005-039 005-041~005-043 005-045~005-047 005-085	-	DADF
005-045	CVT Platen Motor (CCW 293.3 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-037~005-039 005-041~005-044 005-046~005-047 005-085	-	DADF
005-046	CVT Platen Motor (CCW 330.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-037~005-039 005-041~005-045 005-047 005-085	-	DADF
005-047	CVT Platen Motor (CCW 440.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-037~005-039 005-041~005-046 005-085	-	DADF
005-048	CVT Exit Motor (CCW 55.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-049~005-054 005-057~005-061	-	DADF
005-049	CVT Exit Motor (CCW 73.3 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-048 005-050~005-054 005-057~005-061	-	DADF
005-050	CVT Exit Motor (CCW 82.5 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-048~005-049 005-051~005-054 005-057~005-061	-	DADF
005-051	CVT Exit Motor (CCW 110.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-048~005-050 005-052~005-054 005-057~005-061	-	DADF
005-052	CVT Exit Motor (CCW 146.7 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-048~005-051 005-053~005-054 005-057~005-061	-	DADF

Table 1 DC330 Output Component Check List (DADF-250 Color)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	ON State	Module Name
005-053	CVT Exit Motor (CCW 165.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-048~005-052 005-054 005-057~005-061	-	DADF
005-054	CVT Exit Motor (CCW 220.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-048~005-053 005-057~005-061	-	DADF
005-057	CVT Exit Motor (CCW 293.3 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-048~005-054 005-058~005-061	-	DADF
005-058	CVT Exit Motor (CCW 330.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-048~005-054 005-057 005-059~005-061	-	DADF
005-059	CVT Exit Motor (CCW 440.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-048~005-054 005-057~005-058 005-060~005-061	-	DADF
005-060	CVT Exit Motor (CCW 700.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-048~005-054 005-057~005-059 005-061	-	DADF
005-061	CVT Exit Motor (CCW 460.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-048~005-054 005-057~005-060	-	DADF
005-062	CVT Feed Clutch	Turns ON for 2 s -> Auto OFF	O	X	005-069	L	DADF
005-063	Cooling Fan Operation	Turns ON for 100 ms	O	X	005-065	H	DADF
005-065	CVT Baffle Solenoid	Turns ON for 320 ms (Turns ON for 100 ms at the suction side -> ON for 220 ms at the retention side)	O	X	005-036~005-039 005-041~005-047 005-064 005-066~005-067 005-096	H	DADF
005-074	CVT Feed Motor : CCW 460.0 mm/s	Turns ON for 50 s -> Auto OFF	O	X	005-001~005-010 005-013~005-014	-	DADF
005-076	CVT Pre Regi Motor (CCW 460.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-015~005-025 005-077	-	DADF
005-077	CVT Pre Regi Motor (CCW 750.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	05-076	-	DADF
005-078	CVT Regi Motor (CCW 460.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-026~005-036 005-079~005-080	-	DADF
005-079	CVT Regi Motor (CW 110.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-026~005-036 005-078 005-080	-	DADF
005-080	CVT Regi Motor (CW 220.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-026~005-036 005-078~005-079	-	DADF
005-083	Doc Ready	Turns ON the Doc Ready signal	O	X	-	L	DADF
005-084	Doc Set LED	Belt: Turns ON the DOC SET LED CVT: Turns ON for 5 s -> Auto OFF	O	X	-	L	DADF
005-085	CVT Platen Motor (CCW 460.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	X	005-037~005-047	-	DADF

Table 1 DC330 Output Component Check List (DADF-250 Color)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	ON State	Module Name
005-086	Tray Lift Up Operation 1	Initialization -> Stop at 500 ms -> Lift Up operation when job starts. Turn magnetization OFF 10 s after Lift Up ends.	O	X	005-087 005-091, 005-092	-	DADF
005-087	Tray Lift Up Operation 2	Initialization -> Stop at 500 ms -> Lift Up operation when job starts. Turn magnetization OFF 10 s after Lift Up ends.	O	-	005-086 005-091, 005-093	-	DADF
005-088	Image Area ON	Turns ON for 5 s	O	-	-	H	DADF
005-089	CVT Pre Regi Motor (CCW 650.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	-	005-015~005-025 005-076~005-077	-	DADF
005-093	Nudger Motor CW	CVT Feed Motor (CCW 350.0 mm/s)	O	-		-	DADF
005-094	Nudger Motor CCW	CVT Pre Regi Motor (CCW 350.0 mm/s)	O	-		-	DADF
005-095	CVT Regi Motor (CCW 350.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	-	005-026~005-035 005-058~005-061 005-078~005-079	-	DADF
005-096	CVT Platen Motor (CCW 350.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	-	005-036~005-039 005-041~005-047 005-064~005-067	-	DADF
005-097	CVT Exit Motor (CCW 350.0 mm/s)	Turns ON for 50 s -> Auto OFF	O	-	005-048~005-054 005-057~005-061	-	DADF

6.3.2.2 DC330 Output Component Check List (IISS)

Table 1 DC330 Output Component Check List (IISS)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	ON State	Module Name
062-002	IIT Exposure Lamp	Turns the Lamp ON for 180 s -> Auto OFF Will also turn OFF when Stop is instructed before Auto OFF.	O	X	-	L	IISS
062-005	IIT Scan Motor (Scan direction)	Moves it 50 mm from current position in Scan direction -> Auto OFF Will not accept Stop instruction before Auto OFF.	O	X	062-006	4 phases each H/L switch	IISS
062-006	IIT Scan Motor (Return direction)	Moves it 50 mm from current position in Return direction -> Auto OFF Will not accept Stop instruction before Auto OFF.	O	X	062-005	4 phases each H/L switch	IISS
062-017	CCD Cooling Fan	Operates the CCD Cooling Fan at high speed.	X	X	-	FAN ON: H FAN Slow: L	IISS
062-086	IIT Image Area	IMG-AREA Signal Output	X	X	-	P727 LVDS ()H	IISS
062-091	Exchange To ADF	Turns ON the document exchange command signal to the DADF.	X	X	-	L	IISS

6.3.2.3 DC330 Output Component Check List (IOT)

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
010-001	Fusing Unit Drive Motor: 308 mm/s	Rotates the Fusing Unit Drive Motor when Process Speed is 308 mm/s. [I/O] Fusing Unit Drive Motor [I/O] Fusing Unit Drive Motor Gain 1 [I/O] Fusing Unit Drive Motor Gain 2 [I/O] Fusing Unit Drive Motor Clock [I/O] Fusing Unit Drive Motor Reverse: Sets the reverse rotation time by the combination of [NVM] 745-006 to 019 when the stop process is carried out. (Sets the above speed according to the combination of the Fusing Unit Drive Motor Gain 1, Gain 2 and Clock.) When the operation starts: Reverse rotation -> Forward rotation When the operation stops: Forward rotation -> Reverse rotation	-	X	010 010 010	002 003 004	Low High High - High -> Low -> High	ON State Gain 1 Gain 2 Clock Reverse rotation -> Forward rotation -> Reverse rotation	Fusing
010-002	Fusing Unit Drive Motor: 224 mm/s	Rotates the Fusing Unit Drive Motor when Process Speed is 224 mm/s. [I/O] Fusing Unit Drive Motor [I/O] Fusing Unit Drive Motor Gain 1 [I/O] Fusing Unit Drive Motor Gain 2 [I/O] Fusing Unit Drive Motor Clock [I/O] Fusing Unit Drive Motor Reverse: Sets the reverse rotation time by the combination of [NVM] 745-006 to 019 when the stop process is carried out. (Sets the above speed according to the combination of the Fusing Unit Drive Motor Gain 1, Gain 2 and Clock.) When the operation starts: Reverse rotation -> Forward rotation When the operation stops: Forward rotation -> Reverse rotation	-	X	010 010 010	001 003 004	Low Low High - High -> Low -> High	ON State Gain 1 Gain 2 Clock Reverse rotation -> Forward rotation -> Reverse rotation	Fusing
010-003	Fusing Unit Drive Motor: 154 mm/s	Rotates the Fusing Unit Drive Motor when Process Speed is 154 mm/s. [I/O] Fusing Unit Drive Motor [I/O] Fusing Unit Drive Motor Gain 1 [I/O] Fusing Unit Drive Motor Gain 2 [I/O] Fusing Unit Drive Motor Clock [I/O] Fusing Unit Drive Motor Reverse: Sets the reverse rotation time by the combination of [NVM] 745-006 to 019 when the stop process is carried out. (Sets the above speed according to the combination of the Fusing Unit Drive Motor Gain 1, Gain 2 and Clock.) When the operation starts: Reverse rotation -> Forward rotation When the operation stops: Forward rotation -> Reverse rotation	-	X	010 010 010	001 002 004	Low High Low - High -> Low -> High	ON State Gain 1 Gain 2 Clock Reverse rotation -> Forward rotation -> Reverse rotation	Fusing

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
010-004	Fusing Unit Drive Motor: 102 mm/s	Rotates the Fusing Unit Drive Motor when Process Speed is 102 mm/s. [I/O] Fusing Unit Drive Motor [I/O] Fusing Unit Drive Motor Gain 1 [I/O] Fusing Unit Drive Motor Gain 2 [I/O] Fusing Unit Drive Motor Clock [I/O] Fusing Unit Drive Motor Reverse: Sets the reverse rotation time by the combination of [NVM] 745-006 to 019 when the stop process is carried out. (Sets the above speed according to the combination of the Fusing Unit Drive Motor Gain 1, Gain 2 and Clock.) When the operation starts: Reverse rotation -> Forward rotation When the operation stops: Forward rotation -> Reverse rotation	-	X	010 010 010	001 002 003	Low Low Low - High -> Low -> High	ON State Gain 1 Gain 2 Clock Reverse rotation -> Forward rotation -> Reverse rotation	Fusing
010-007	Main Lamp 1	Turns Heat Roll Main Lamp 1 ON/OFF. (When this component is running, the following Fault (Chain-Link) are also being detected: 10-311, 10-319, 10-320, 10-322, 10-323, 10-324, 10-326, 10-327, 10-328, 10-334, 59-313)	1000 ms	X	010 010	008 009	Low	ON	Fusing
010-008	Main Lamp 2	Turns Heat Roll Main Lamp 2 ON/OFF. (When this component is running, the following Fault (Chain-Link) are also being detected: 10-311, 10-319, 10-320, 10-322, 10-323, 10-324, 10-326, 10-327, 10-328, 10-334, 59-313)	1000 ms	X	010 010	007 009	Low	ON	Fusing
010-009	Sub Lamp	Turns Heat Roll Sub Lamp ON/OFF. (When this component is running, the following Fault (Chain-Link) are also being detected: 10-311, 10-319, 10-320, 10-322, 10-323, 10-324, 10-326, 10-327, 10-328, 10-334, 59-313)	1000 ms	X	010 010	007 008	Low	ON	Fusing
010-010	Decurler Pene Up Motor	Rotates the Decurler Pene Up Motor.	-	X			Low	ON State (60 degrees advance) Reverse rotation	Fusing
010-011	Decurler Pene Down Motor CW	Rotates the Decurler Pene Down Motor in CW direction (Decurler Cam reverse rotation).	-	X	010	012	Low	ON State (60 degrees advance) Forward rotation	Fusing
010-012	Decurler Pene Down Motor CCW	Rotates the Decurler Pene Down Motor in CCW direction (forward rotation).	-	X	010	011	Low	ON State (60 degrees advance) Reverse rotation	Fusing
010-013	Decurler Fan	Rotates the Decurler Fan.	-	X			Low	Rotate	Fusing

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
042-001	Main Motor: 308 mm/s	Rotates the Main Motor when Process Speed is 308 mm/s. [I/O] Main Motor [I/O] Main Motor Gain 1 [I/O] Main Motor Gain 2 [I/O] Main Motor Clock (Sets the above speed according to the combination of the Main Motor Gain 1, Gain 2 and Clock.)	-	X	042 042 042 042 042 042 093	002 003 004 029 030 031 032 023	Low High High -	ON State - - Clock	Drive
042-002	Main Motor: 224 mm/s	Rotates the Main Motor when Process Speed is 224 mm/s. [I/O] Main Motor [I/O] Main Motor Gain 1 [I/O] Main Motor Gain 2 [I/O] Main Motor Clock (Sets the above speed according to the combination of the Main Motor Gain 1, Gain 2 and Clock.)	-	X	042 042 042 042 042 042 093	001 003 004 029 030 031 032 023	Low Low High -	ON State - - Clock	Drive
042-003	Main Motor: 154 mm/s	Rotates the Main Motor when Process Speed is 154 mm/s. [I/O] Main Motor [I/O] Main Motor Gain 1 [I/O] Main Motor Gain 2 [I/O] Main Motor Clock (Sets the above speed according to the combination of the Main Motor Gain 1, Gain 2 and Clock.)	-	X	042 042 042 042 042 042 093	001 002 004 029 030 031 032 023	Low High Low -	ON State - - Clock	Drive
042-004	Main Motor: 102 mm/s	Rotates the Main Motor when Process Speed is 102 mm/s. [I/O] Main Motor [I/O] Main Motor Gain 1 [I/O] Main Motor Gain 2 [I/O] Main Motor Clock (Sets the above speed according to the combination of the Main Motor Gain 1, Gain 2 and Clock.)	-	X	042 042 042 042 042 042 093	001 002 003 029 030 031 032 023	Low High Low -	ON State - - Clock	Drive
042-005	Drum Motor K: 308 mm/s	Rotates the Drum Motor (K) when Process Speed is 308 mm/s. NOTE: Retract the Transfer Module before the operation. Also, in order to not damage the IBT Belt, remove the IBT Marking Drawer before the operation. [I/O] Drum Motor K [I/O] Drum Motor Gain 1 K [I/O] Drum Motor Gain 2 K [I/O] Drum Motor Clock K	-	X	042 042 042 042 042 042 042 042 093	006 007 008 014 015 016 029 030 031 032 023	Low High High -	ON State - - Clock	Drive

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
042-006	Drum Motor K: 224 mm/s	Rotates the Drum Motor (K) when Process Speed is 224 mm/s. NOTE: Retract the Transfer Module before the operation. Also, in order to not damage the IBT Belt, remove the IBT Marking Drawer before the operation. [I/O] Drum Motor K [I/O] Drum Motor Gain 1 K [I/O] Drum Motor Gain 2 K [I/O] Drum Motor Clock K	-	X	042 042 042 042 042 042 042 042 042 093	005 007 008 013 015 016 029 030 031 032 023	Low Low High -	ON State - - Clock	Drive
042-007	Drum Motor K: 154 mm/s	Rotates the Drum Motor (K) when Process Speed is 154 mm/s. NOTE: Retract the Transfer Module before the operation. Also, in order to not damage the IBT Belt, remove the IBT Marking Drawer before the operation. [I/O] Drum Motor K [I/O] Drum Motor Gain 1 K [I/O] Drum Motor Gain 2 K [I/O] Drum Motor Clock K	-	X	042 042 042 042 042 042 042 042 042 093	005 006 008 013 014 016 029 030 031 032 023	Low Low High -	ON State - - Clock	Drive
042-008	Drum Motor K: 102 mm/s	Rotates the Drum Motor (K) when Process Speed is 102 mm/s. NOTE: Retract the Transfer Module before the operation. Also, in order to not damage the IBT Belt, remove the IBT Marking Drawer before the operation. [I/O] Drum Motor K [I/O] Drum Motor Gain 1 K [I/O] Drum Motor Gain 2 K [I/O] Drum Motor Clock K	-	X	042 042 042 042 042 042 042 042 042 093	005 006 007 013 014 015 029 030 031 032 023	Low High Low -	ON State - - Clock	Drive
042-009	Drum Motor Y, M, C: 308 mm/s	Rotates the Drum Motor (Y, M, C) when Process Speed is 308 mm/s. NOTE: Retract the Transfer Module before the operation. Also, in order to not damage the IBT Belt, remove the IBT Marking Drawer before the operation. [I/O] Drum Motor Y, M, C [I/O] Drum Motor Gain 1 Y, M, C [I/O] Drum Motor Gain 2 Y, M, C [I/O] Drum Motor Clock Y, M, C	-	X	042 042 042 042 042 042 042 093	010 011 012 029 030 031 032 024	Low High High -	ON State - - Clock	Drive

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
042-010	Drum Motor Y, M, C: 224 mm/s	Rotates the Drum Motor (Y, M, C) when Process Speed is 224 mm/s. NOTE: Retract the Transfer Module before the operation. Also, in order to not damage the IBT Belt, remove the IBT Marking Drawer before the operation. [I/O] Drum Motor Y, M, C [I/O] Drum Motor Gain 1 Y, M, C [I/O] Drum Motor Gain 2 Y, M, C [I/O] Drum Motor Clock Y, M, C	-	X	042 042 042 042 042 042 093	009 011 012 029 030 031 032 024	Low High Low -	ON State - - Clock	Drive
042-011	Drum Motor Y, M, C: 154 mm/s	Rotates the Drum Motor (Y, M, C) when Process Speed is 154 mm/s. NOTE: Retract the Transfer Module before the operation. Also, in order to not damage the IBT Belt, remove the IBT Marking Drawer before the operation. [I/O] Drum Motor Y, M, C [I/O] Drum Motor Gain 1 Y, M, C [I/O] Drum Motor Gain 2 Y, M, C [I/O] Drum Motor Clock Y, M, C	-	X	042 042 042 042 042 093	009 010 012 029 030 031 032 024	Low Low Low -	ON State - - Clock	Drive
042-012	Drum Motor Y, M, C: 102 mm/s	Rotates the Drum Motor (Y, M, C) when Process Speed is 102 mm/s. NOTE: Retract the Transfer Module before the operation. Also, in order to not damage the IBT Belt, remove the IBT Marking Drawer before the operation. [I/O] Drum Motor Y, M, C [I/O] Drum Motor Gain 1 Y, M, C [I/O] Drum Motor Gain 2 Y, M, C [I/O] Drum Motor Clock Y, M, C	-	X	042 042 042 042 042 093	009 010 011 029 030 031 032 024	Low Low Low -	ON State - - Clock	Drive
042-013	IBT Drive Motor (Color): 308 mm/s	Rotates the IBT Drive Motor when Process Speed is 308 mm/s [Walk control]. NOTE: Before running this component, perform 042-019 IBT Steering Motor (CW) Low Current to initialize the Steering. Remove the IBT Belt when performing the IBT Drive Motor operation. (The operation stops automatically when the condition for 042-326 Belt Home Position too long Fail / 042-327 Belt Position Fail / 042-328 Belt Edge Sensor Fail is satisfied.) [I/O] IBT Drive Motor [I/O] IBT Drive Motor Gain 1 [I/O] IBT Drive Motor Gain 2 [I/O] IBT Drive Motor Clock (Sets the above speed according to the combination of the IBT Drive Motor Gain 1, Gain 2 and Clock.)	-	X	042 042 042 042 042 042 042 042 042 042 042 093	006 007 008 014 015 016 017 018 019 029 030 031 032 034 035 023	Low High High -	ON State - - Clock	Drive

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
042-014	IBT Drive Motor: 224 mm/s	<p>Rotates the IBT Drive Motor when Process Speed is 224 mm/s [Walk control].</p> <p>NOTE: Before running this component, perform 042-019 IBT Steering Motor (CW) Low Current to initialize the Steering. Remove the IBT Belt when performing the IBT Drive Motor operation. (The operation stops automatically when the condition for 042-326 Belt Home Position too long Fail / 042-327 Belt Position Fail / 042-328 Belt Edge Sensor Fail is satisfied.)</p> <p>[I/O] IBT Drive Motor [I/O] IBT Drive Motor Gain 1 [I/O] IBT Drive Motor Gain 2 [I/O] IBT Drive Motor Clock (Sets the above speed according to the combination of the IBT Drive Motor Gain 1, Gain 2 and Clock.)</p>	-	X	042 042 042 042 042 042 042 042 042 042 042 042 042 042 042 093	005 007 008 013 015 016 017 018 019 029 030 031 032 034 035 023	Low Low High -	ON State - - Clock	Drive
042-015	IBT Drive Motor: 154 mm/s	<p>Rotates the IBT Drive Motor when Process Speed is 154 mm/s [Walk control].</p> <p>NOTE: Before running this component, perform 042-019 IBT Steering Motor (CW) Low Current to initialize the Steering. Remove the IBT Belt when performing the IBT Drive Motor operation. (The operation stops automatically when the condition for 042-326 Belt Home Position too long Fail / 042-327 Belt Position Fail / 042-328 Belt Edge Sensor Fail is satisfied.)</p> <p>[I/O] IBT Drive Motor [I/O] IBT Drive Motor Gain 1 [I/O] IBT Drive Motor Gain 2 [I/O] IBT Drive Motor Clock (Sets the above speed according to the combination of the IBT Drive Motor Gain 1, Gain 2 and Clock.)</p>	-	X	042 042 042 042 042 042 042 042 042 042 042 042 042 042 042 042 093	005 006 008 013 014 016 017 018 019 029 030 031 032 034 035 023	Low High Low -	ON State - - Clock	Drive

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
042-016	IBT Drive Motor: 102 mm/s	Rotates the IBT Drive Motor when Process Speed is 102 mm/s [Walk control]. NOTE: Before running this component, perform 042-019 IBT Steering Motor (CW) Low Current to initialize the Steering. Remove the IBT Belt when performing the IBT Drive Motor operation. (The operation stops automatically when the condition for 042-326 Belt Home Position too long Fail / 042-327 Belt Position Fail / 042-328 Belt Edge Sensor Fail is satisfied.) [I/O] IBT Drive Motor [I/O] IBT Drive Motor Gain 1 [I/O] IBT Drive Motor Gain 2 [I/O] IBT Drive Motor Clock (Sets the above speed according to the combination of the IBT Drive Motor Gain 1, Gain 2 and Clock.)	-	X	042 042 042 042 042 042 042 042 042 042 042 042 042 042 042 093	005 006 007 013 014 015 017 018 019 029 030 031 032 034 035 023	Low High Low -	ON State - - Clock	Drive
042-017	IBT Steering Motor (CW) High Current	Rotates the IBT Steering Motor in the CW direction. (Strong magnetism, Low drive frequency) [I/O] IBT Steering Motor [I/O] IBT Steering Motor Direction [PWM] IBT Steering Motor Current Rotates 1 round in CW direction, resets the angle to '0', and then stops.	2333 ms	X	042 042 042 042 042 042 042 042 042 042 042 042	013 014 015 016 018 019 029 030 031 032 034 035	- - -	ON State CW direction Strong Current	Drive
042-018	IBT Steering Motor (CCW) High Current	Rotates the IBT Steering Motor in the CCW direction. (Strong magnetism, Low drive frequency) [I/O] IBT Steering Motor [I/O] IBT Steering Motor Direction [PWM] IBT Steering Motor Current Rotates 1 round in CCW direction, resets the angle to '0', and then stops.	2300 ms	X	042 042 042 042 042 042 042 042 042 042 042 042	013 014 015 016 017 019 029 030 031 032 034 035	- - -	ON State CCW direction Strong Current	Drive

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
042-019	IBT Steering Motor (CW) Low Current	Rotates the IBT Steering Motor in the CW direction. (Low current excitation, High drive frequency) [I/O] IBT Steering Motor [I/O] IBT Steering Motor Direction [PWM] IBT Steering Motor Current Rotates 1 round in CW direction, resets the angle to '0', and then stops.	2333 ms	X	042 042 042 042 042 042 042 042 042 042 042 042	013 014 015 016 017 018 029 030 031 032 034 035	- - -	ON State CW direction Weak Current	Drive
042-020	Fusing Unit Exhaust Fan: High Speed	Rotates the Fusing Unit Exhaust Fan at High Speed. Changes to Low Speed rotation at stop command.	-	X	-	-	-	ON State (serves as speed control)	Drive
042-021	Blower Fan: High Speed	Rotates the Blower Fan at High Speed.	-	X	042	022	-	ON State (serves as speed control)	Drive
042-022	Blower Fan: Low Speed	Rotates the Blower Fan at Low Speed.	-	X	042	021	-	ON State (serves as speed control)	Drive
042-023	CC Intake Fan: High Speed	Rotates the CC Intake Fan at High Speed.	-	X	042	024	-	ON State	Drive
042-024	CC Intake Fan: Low Speed	Rotates the CC Intake Fan at Low Speed.	-	X	042	023	-	ON State	Drive
042-025	V_tra Fan: High Speed	Rotates the V_tra Fan at High Speed. [I/O] V_tra Fan [I/O] V_tra Fan Speed	-	X	042	026	High Low	ON State High speed rotation	Drive
042-026	V_tra Fan: Low Speed	Rotates the V_tra Fan at Low Speed. [I/O] V_tra Fan [I/O] V_tra Fan Speed	-	X	042	025	High High	ON State Low speed rotation	Drive
042-027	Dup Fan	Rotates the Dup Fan.	-	X	-	-	High	ON State	Drive
042-028	Exit Roll Fan	Rotates the Exit Roll Fan.	-	X	-	-	Low	ON State	Drive

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
042-029	IBT Belt Check: 308 mm/s	[Multi Component Control] Checks the operation of the IBT Belt drive system. (308 mm/s) Carries out combined operation of the following components. [Component] Drum Motor Y, M, C : 042-009 [Component] Drum Motor K : 042-005 [Component] IBT Drive Motor : 042-013 [Component] Main Motor : 042-001 NOTE: <ul style="list-style-type: none"> Retract the 1st BTR and contact the 2nd BTR before the operation. Perform 042-019 IBT Steering Motor (CW) Low Current to initialize the Steering. 	-	X	042	001	-	-	Drive
					042	002			
					042	003			
					042	004			
					042	005			
					042	006			
					042	007			
					042	008			
					042	009			
					042	010			
					042	011			
					042	012			
					042	013			
					042	014			
					042	015			
					042	016			
					042	017			
					042	018			
					042	019			
					042	030			
					042	031			
					042	032			
					042	034			
					042	035			
042-029 (continued)	IBT Belt Check: 308 mm/s	[Multi Component Control] Checks the operation of the IBT Belt drive system. (308 mm/s) Carries out combined operation of the following components. [Component] Drum Motor Y, M, C : 042-009 [Component] Drum Motor K : 042-005 [Component] IBT Drive Motor : 042-013 [Component] Main Motor : 042-001 NOTE: <ul style="list-style-type: none"> Retract the 1st BTR and contact the 2nd BTR before the operation. Perform 042-019 IBT Steering Motor (CW) Low Current to initialize the Steering. 	-	X	093	023	-	-	Drive
					093	024			

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
042-030	IBT Belt Check: 224 mm/s	[Multi Component Control] Checks the operation of the IBT Belt drive system. (224 mm/s) Carries out combined operation of the following components. [Component] Drum Motor Y, M, C : 042-010 [Component] Drum Motor K : 042-006 [Component] IBT Drive Motor : 042-014 [Component] Main Motor : 042-002 NOTE: <ul style="list-style-type: none"> Retract the 1st BTR and contact the 2nd BTR before the operation. Perform 042-019 IBT Steering Motor (CW) Low Current to initialize the Steering. 	-	X	042	001	-	-	Drive
					042	002			
					042	003			
					042	004			
					042	005			
					042	006			
					042	007			
					042	008			
					042	009			
					042	010			
					042	011			
					042	012			
					042	013			
					042	014			
					042	015			
					042	016			
					042	017			
					042	018			
					042	019			
					042	029			
					042	031			
					042	032			
					042	034			
					042	035			
042-030 (continued)	IBT Belt Check: 224 mm/s	[Multi Component Control] Checks the operation of the IBT Belt drive system. (224 mm/s) Carries out combined operation of the following components. [Component] Drum Motor Y, M, C : 042-010 [Component] Drum Motor K : 042-006 [Component] IBT Drive Motor : 042-014 [Component] Main Motor : 042-002 NOTE: <ul style="list-style-type: none"> Retract the 1st BTR and contact the 2nd BTR before the operation. Perform 042-019 IBT Steering Motor (CW) Low Current to initialize the Steering. 	-	X	093	023	-	-	Drive
					093	024			

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
042-031	IBT Belt Check: 154 mm/s	[Multi Component Control] Checks the operation of the IBT Belt drive system. (154 mm/s) Carries out combined operation of the following components. [Component] Drum Motor Y, M, C : 042-011 [Component] Drum Motor K : 042-007 [Component] IBT Drive Motor : 042-015 [Component] Main Motor : 042-003 NOTE: <ul style="list-style-type: none"> Retract the 1st BTR and contact the 2nd BTR before the operation. Perform 042-019 IBT Steering Motor (CW) Low Current to initialize the Steering. 	-	X	042	001	-	-	Drive
					042	002			
					042	003			
					042	004			
					042	005			
					042	006			
					042	007			
					042	008			
					042	009			
					042	010			
					042	011			
					042	012			
					042	013			
					042	014			
					042	015			
					042	016			
					042	017			
					042	018			
					042	019			
					042	029			
					042	030			
					042	032			
					042	034			
					042	035			
042-031 (continued)	IBT Belt Check: 154 mm/s	[Multi Component Control] Checks the operation of the IBT Belt drive system. (154 mm/s) Carries out combined operation of the following components. [Component] Drum Motor Y, M, C : 042-011 [Component] Drum Motor K : 042-007 [Component] IBT Drive Motor : 042-015 [Component] Main Motor : 042-003 NOTE: <ul style="list-style-type: none"> Retract the 1st BTR and contact the 2nd BTR before the operation. Perform 042-019 IBT Steering Motor (CW) Low Current to initialize the Steering. 	-	X	093	023	-	-	Drive
					093	024			

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
042-035	IBT Steering Cam Down	Operates until the IBT Steering Cam is at the lowest point position. Stops after the operation. [I/O] IBT Steering Motor [I/O] IBT Steering Motor Direction [I/O] IBT Steering Motor Current	360 ms	X	042 042 042 042 042 042 042 042 042 042 042 042	013 014 015 016 017 018 019 029 030 031 032 034	- - -	ON State CW direction Low current excitation	Drive
042-036	Exit Fan	Rotates the Exit Fan at High Speed.	-	X	-	-	-	ON State	Drive
042-037	LVPS Fan	Rotates the LVPS Fan.	-	X	-	-	High	ON State	Drive
042-039	Invert Front Fan	Rotates the Invert Fan.	-	X	-	-	Low	ON State	Drive
042-040	Option Exit Fan	Rotates the Option Exit Fan.	-	X	-	-	Low	ON State	Drive
042-041	Front Fan	Rotates the Front Fan.	-	X	-	-	-	ON State	Drive
042-042	Rear Add Fan	Rotates the Rear Add Fan.	-	X	-	-	-	ON State	Drive
042-200	IBT Belt Home Sensor	Detects the Home Position of the IBT Belt. Home detected: Low.	-	X	-	-	High	Home	Drive
047-001	OCT Motor (CW)	Turns ON the OCT Motor CW in the rear direction. When performing another check, move it in the opposite direction before the operation. [I/O] OCT Motor [I/O] OCT Motor Direction	200 ms	X	047	002		ON State CW direction	OutCon
047-002	OCT Motor (CCW)	Turns ON the OCT Motor CCW in the front direction. When performing another check, move it in the opposite direction before the operation. [I/O] OCT Motor [I/O] OCT Motor Direction	200 ms	X	047	001		ON State CCW direction	OutCon
061-001	ROS Motor Y/M: PS308	Rotates the Drum Motor Y/M forward when Process Speed is 308 mm/s. Outputs the ROS Motor Clock Frequency Specification (308, 154, 102 mm/s).	-	X	061 061 061 061 061 061 061	002 003 004 005 006 007 008	Low -	ON State Clock	ROS

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
061-002	ROS Motor Y/M: PS224	Rotates the Drum Motor Y/M forward when Process Speed is 224 mm/s. Outputs the ROS Motor Clock Frequency Specification (224 mm/s).	-	X	061 061 061 061 061 061	001 003 004 005 006 007 008	Low -	ON State Clock	ROS
061-003	ROS Motor C/K: PS308	Rotates the Drum Motor C/K forward when Process Speed is 308 mm/s. Outputs the ROS Motor Clock Frequency Specification (308, 154, 102 mm/s).	-	X	061 061 061 061 061 061	001 002 004 005 006 007 008	Low -	ON State Clock	ROS
061-004	ROS Motor C/K: PS224	Rotates the Drum Motor C/K forward when Process Speed is 224 mm/s. Outputs the ROS Motor Clock Frequency Specification (224 mm/s).	-	X	061 061 061 061 061 061	001 002 003 005 006 007 008	Low -	ON State Clock	ROS
061-005	LASER Y, M: PS308	LASER Y, M PS308: Outputs when Process Speed is 308 mm/s. Drives the ROS Motor Y/M at the same time. (Stops automatically when ROS Motor Y/M is rotating abnormally)	60 s	X	061 061 061 061 061 061	001 002 003 004 006 007 008	- Low	- ON State	ROS
061-006	LASER Y, M: PS224	LASER Y, M PS224: Outputs when Process Speed is 220 mm/s. Drives the ROS Motor Y/M at the same time. (Stops automatically when ROS Motor Y/M is rotating abnormally)	60 s	X	061 061 061 061 061 061	001 002 003 004 005 007 008	- Low	- ON State	ROS
061-007	LASER C, K: PS308	LASER C, K PS308: Outputs when Process Speed is 308 mm/s. Drives the ROS Motor C/K at the same time. (Stops automatically when ROS Motor C/K is rotating abnormally)	60 s	X	061 061 061 061 061 061	001 002 003 004 005 006 008	- Low	- ON State	ROS

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
061-008	LASER C, K: PS224	LASER C, K PS224: Outputs when Process Speed is 220 mm/s. Drives the ROS Motor C/K at the same time. (Stops automatically when ROS Motor C/K is rotating abnormally)	60 s	X	061 061 061 061 061 061	001 002 003 004 005 006 007	- Low	- ON State	ROS
071-001	Tray 1 Feed	Drives the Motor in the Feed direction. [I/O] Tray 1 Feed/Lift Motor [I/O] Tray 1 Feed/Lift Motor Direction [I/O] Tray 1 Feed/Lift Motor Current [I/O] Tray 1 Feed/Lift Motor Clock	-	X	071	002	- - - -	ON State Feed Current Value Clock	P/H
071-002	Tray 1 Lift Up	Drives the Motor in the Lift Up direction. NOTE: Drives the Motor only when the Tray 1 Level Sensor is OFF. Does not drive the Motor when the sensor is ON. When driven, the Motor will stop if the sensor turns ON halfway. [I/O] Tray 1 Feed/Lift Motor [I/O] Tray 1 Feed/Lift Motor Direction [I/O] Tray 1 Feed/Lift Motor Current [I/O] Tray 1 Feed/Lift Motor Clock [I/O] Tray 1 Level Sensor	6000 [ms]	X	071	001	- - - High	ON State Lift Up Strong Current Clock ON State	P/H
071-003	Tray 1 Nudger Solenoid High Current	Lowers the Nudger Roll in the Tray 1 Feeder.	2000 [ms]	X	071	004	-	Strong Current	P/H
071-004	Tray 1 Nudger Solenoid Low Current	Maintains the Nudger Roll in the Tray 1 Feeder.	2000 [ms]	X	071	003	-	Weak Current	P/H
072-001	Tray 2 Feed	Drives the Motor in the Feed direction. [I/O] Tray 2 Feed/Lift Motor [I/O] Tray 2 Feed/Lift Motor Direction [I/O] Tray 2 Feed/Lift Motor Current [I/O] Tray 2 Feed/Lift Motor Clock	-	X	072	002	- - - -	ON State Feed Current Value Clock	P/H
072-002	Tray 2 Lift Up	Drives the Motor in the Lift Up direction. NOTE: Drives the Motor only when the Tray 2 Level Sensor is OFF. Does not drive the Motor when the sensor is ON. When driven, the Motor will stop if the sensor turns ON halfway. [I/O] Tray 2 Feed/Lift Motor [I/O] Tray 2 Feed/Lift Motor Direction [I/O] Tray 2 Feed/Lift Motor Current [I/O] Tray 2 Feed/Lift Motor Clock [I/O] Tray 2 Level Sensor	6000 [ms]	X	072	001	- - - High	ON State Lift Up Strong Current Clock ON State	P/H
072-003	Tray 2 Nudger Solenoid High Current	Lowers the Nudger Roll in the Tray 2 Feeder.	2000 [ms]	X	072	004	-	Strong Current	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
072-004	Tray 2 Nudger Solenoid Low Current	Maintains the Nudger Roll in the Tray 2 Feeder.	2000 [ms]	X	072	003	-	Weak Current	P/H
073-001	Tray 3 Feed	Drives the Motor in the Feed direction. [I/O] Tray 3 Feed/Lift Motor [I/O] Tray 3 Feed/Lift Motor Direction [I/O] Tray 3 Feed/Lift Motor Current [I/O] Tray 3 Feed/Lift Motor Clock	-	X	073	002	- - - -	ON State Feed Current Value Clock	P/H
073-002	Tray 3 Lift Up	Drives the Motor in the Lift Up direction. NOTE: Drives the Motor only when the Tray 3 Level Sensor is OFF. Does not drive the Motor when the sensor is ON. When driven, the Motor will stop if the sensor turns ON halfway. [I/O] Tray 3 Feed/Lift Motor [I/O] Tray 3 Feed/Lift Motor Direction [I/O] Tray 3 Feed/Lift Motor Current [I/O] Tray 3 Feed/Lift Motor Clock [I/O] Tray 3 Level Sensor	6000 [ms]	X	073	001	- - - High	ON State Lift Up Strong Current Clock ON State	P/H
073-003	Tray 3 Nudger Solenoid High Current	Lowers the Nudger Roll in the Tray 3 Feeder.	2000 [ms]	X	073	004	-	Strong Current	P/H
073-004	Tray 3 Nudger Solenoid Low Current	Maintains the Nudger Roll in the Tray 3 Feeder.	2000 [ms]	X	073	003	-	Weak Current	P/H
075-001	MSI Feed Motor: 300 mm/s	Drives the MSI Feed Roll at 300 mm/s. [I/O] MSI Feed Motor [I/O] MSI Feed Motor Current [I/O] MSI Feed Motor Pulse	-	X			- - -	Excitation State Medium Current Clock	P/H
075-003	MSI Nudger Solenoid: High	Lowers the Nudger Roll. Suction by strong current.	2000 [ms]	X	075 075	004 005	-	PWM	P/H
075-004	MSI Nudger Solenoid: Low	Lowers the Nudger Roll. Suction by weak current.	2000 [ms]	X	075 075	003 005	-	PWM	P/H
075-005	MSI Lift Motor: Lift Up (CW) Sensor Stop	Turns ON the MSI Nudger Solenoid and lifts up the MSI Lifter. (Normal Lift Up operation) NOTE: Operates only when the MSI Lift Up Sensor is OFF. Stops when the MSI Lift Up Sensor ON is detected and the MSI Nudger Solenoid turns OFF. Also, the operation does not start if the MSI Lift Up Sensor is already turned ON. [I/O] MSI Nudger Solenoid [I/O] MSI Lift Motor [I/O] MSI Lift Motor Direction [I/O] MSI Lift Up Sensor	4500 [ms]	X	075 075 075	003 004 006	- - - High	- ON State Up Lift Up	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
075-006	MSI Lift Motor: Lift Down (CCW) Sensor Stop	Lowers the MSI Lifter. NOTE: Operates only when the MSI Lift Down Sensor is OFF. Stops when the MSI Lift Down Sensor ON is detected. Also, the operation does not start if the MSI Lift Down Sensor is already turned ON. [I/O] MSI Lift Motor [I/O] MSI Lift Motor Direction [I/O] MSI Lift Down Sensor	6000 ms	X	075	005	- - High	ON State Down Lift Down	P/H
077-001	Takeaway Motor	Turns ON the Takeaway Motor at the transport speed of 640 mm/s.	-	X			-	ON State	P/H
077-002	Takeaway Clutch 1	Turns ON the Takeaway Clutch 1. NOTE: Driving Takeaway Roll 1 at 640 mm/s is possible by combining with [Component] Takeaway Motor (077-001).	-	X	077	005	-	PWM	P/H
077-003	Takeaway Clutch 2	Turns ON the Takeaway Clutch 2. NOTE: Driving Takeaway Roll 2 at 640 mm/s is possible by combining with [Component] Takeaway Motor (077-001).	-	X	077	006	-	PWM	P/H
077-004	Takeaway Clutch 3	Turns ON the Takeaway Clutch 3. NOTE: Driving Takeaway Roll 3 at 640 mm/s is possible by combining with [Component] Takeaway Motor (077-001).	-	X	077	007	-	PWM	P/H
077-005	Takeaway Clutch 1 Cyclic Operation	Turns ON the Takeaway Clutch 1. (Cyclic operation then turns it OFF and ON repeatedly) NOTE: Driving Takeaway Roll 1 at 640 mm/s is possible by combining with [Component] Takeaway Motor (077-001).	-	O	077	002	-	PWM	P/H
077-006	Takeaway Clutch 2 Cyclic Operation	Turns ON the Takeaway Clutch 2. (Cyclic operation then turns it OFF and ON repeatedly) NOTE: Driving Takeaway Roll 2 at 640 mm/s is possible by combining with [Component] Takeaway Motor (077-001).	-	O	077	003	-	PWM	P/H
077-007	Takeaway Clutch 3 Cyclic Operation	Turns ON the Takeaway Clutch 3. (Cyclic operation then turns it OFF and ON repeatedly) NOTE: Driving Takeaway Roll 3 at 640 mm/s is possible by combining with [Component] Takeaway Motor (077-001).	-	O	077	004	-	PWM	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
077-008	Transport Motor: 640 mm/s	Drives the Transport Roll in forward direction (CCW) at 640 mm/s. [I/O] Transport Motor [I/O] Transport Motor Direction [I/O] Transport Motor Current [I/O] Transport Motor Clock	-	X	077 077 077 077 077 077 077 077	009 010 011 012 013 014 015 016 062	- - - - -	Excitation State Forward rotation PWM Clock	P/H
077-009	Transport Motor: 468.876 mm/s	Drives the Transport Roll in forward direction (CCW) at 468.876 mm/s. [I/O] Transport Motor [I/O] Transport Motor Direction [I/O] Transport Motor Current [I/O] Transport Motor Clock	-	X	077 077 077 077 077 077 077	008 010 011 012 013 014 015 016 062	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-010	Transport Motor: 430 mm/s	Drives the Transport Roll in forward direction (CCW) at 430 mm/s. [I/O] Transport Motor [I/O] Transport Motor Direction [I/O] Transport Motor Current [I/O] Transport Motor Clock	-	X	077 077 077 077 077 077 077	008 009 011 012 013 014 015 016 062	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-011	Transport Motor: 300 mm/s	Drives the Transport Roll in forward direction (CCW) at 300 mm/s. [I/O] Transport Motor [I/O] Transport Motor Direction [I/O] Transport Motor Current [I/O] Transport Motor Clock	-	X	077 077 077 077 077 077 077	008 009 010 012 013 014 015 016 062	- - - -	Excitation State Forward rotation PWM Clock	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
077-012	Transport Motor: 308.133 mm/s	Drives the Transport Roll in forward direction (CCW) at 308.133 mm/s. [I/O] Transport Motor [I/O] Transport Motor Direction [I/O] Transport Motor Current [I/O] Transport Motor Clock	-	X	077 077 077 077 077 077 077 077	008 009 010 011 013 014 015 016 062	- - - - -	Excitation State Forward rotation PWM Clock	P/H
077-013	Transport Motor: 224.528 mm/s	Drives the Transport Roll in forward direction (CCW) at 224.528 mm/s. [I/O] Transport Motor [I/O] Transport Motor Direction [I/O] Transport Motor Current [I/O] Transport Motor Clock	-	X	077 077 077 077 077 077 077	008 009 010 011 012 014 015 016 062	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-014	Transport Motor: 154.066 mm/s	Drives the Transport Roll in forward direction (CCW) at 154.066 mm/s. [I/O] Transport Motor [I/O] Transport Motor Direction [I/O] Transport Motor Current [I/O] Transport Motor Clock	-	X	077 077 077 077 077 077 077	008 009 010 011 012 013 015 016 062	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-015	Transport Motor: 102.711 mm/s	Drives the Transport Roll in forward direction (CCW) at 102.711 mm/s. [I/O] Transport Motor [I/O] Transport Motor Direction [I/O] Transport Motor Current [I/O] Transport Motor Clock	-	X	077 077 077 077 077 077 077	008 009 010 011 012 013 014 016 062	- - - -	Excitation State Forward rotation PWM Clock	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
077-016	Transport Motor: 300 mm/s	Drives the Transport Roll in reverse direction (CW) at 300 mm/s. [I/O] Transport Motor [I/O] Transport Motor Direction [I/O] Transport Motor Current [I/O] Transport Motor Clock	-	X	077 077 077 077 077 077 077 077	008 009 010 011 012 013 014 015 062	- - - - -	Excitation State Reverse rotation PWM Clock	P/H
077-017	Pre Regi Motor: 640 mm/s	Drives the Pre Regi Roll at 640 mm/s. [I/O] Pre Regi Motor [I/O] Pre Regi Motor Current [I/O] Pre Regi Motor Clock [I/O] Pre Regi Motor Mode	-	X	077 077 077	018 019 063	- - - -	Excitation State PWM Clock 1-2-phase excitation	P/H
077-018	Pre Regi Motor: 430 mm/s	Drives the Pre Regi Roll at 430 mm/s. [I/O] Pre Regi Motor [I/O] Pre Regi Motor Current [I/O] Pre Regi Motor Clock [I/O] Pre Regi Motor Mode	-	X	077 077 077	017 019 063	- - - -	Excitation State PWM Clock 1-2-phase excitation	P/H
077-019	Pre Regi Motor: 300 mm/s	Drives the Pre Regi Roll at 300 mm/s. [I/O] Pre Regi Motor [I/O] Pre Regi Motor Current [I/O] Pre Regi Motor Clock [I/O] Pre Regi Motor Mode	-	X	077 077 077	017 018 063	- - - -	Excitation State PWM Clock 1-2-phase excitation	P/H
077-020	Regi Motor: 430 mm/s	Drives the Regi Roll at 430 mm/s. [I/O] Regi Motor [I/O] Regi Motor Current [I/O] Regi Motor Clock [I/O] Regi Motor Mode	-	X	077 077 077 077	021 022 023 024 064	- - - -	Excitation State PWM Clock 2-phase excitation	P/H
077-021	Regi Motor: 308.133 mm/s	Drives the Regi Roll at 308.133 mm/s. [I/O] Regi Motor [I/O] Regi Motor Current [I/O] Regi Motor Clock [I/O] Regi Motor Mode	-	X	077 077 077 077 077	020 022 023 024 064	- - - -	Excitation State PWM Clock 2-phase excitation	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
077-022	Regi Motor: 224.528 mm/s	Drives the Regi Roll at 224.528 mm/s. [I/O] Regi Motor [I/O] Regi Motor Current [I/O] Regi Motor Clock [I/O] Regi Motor Mode	-	X	077 077 077 077 077	020 021 023 024 064	- - -	Excitation State PWM Clock 2-phase excitation	P/H
077-023	Regi Motor: 154.066 mm/s	Drives the Regi Roll at 154.066 mm/s. [I/O] Regi Motor [I/O] Regi Motor Current [I/O] Regi Motor Clock [I/O] Regi Motor Mode	-	X	077 077 077 077	020 021 022 024 064	- - -	Excitation State PWM Clock 2-phase excitation	P/H
077-024	Regi Motor: 102.711 mm/s	Drives the Regi Roll at 102.711 mm/s. [I/O] Regi Motor [I/O] Regi Motor Current [I/O] Regi Motor Clock [I/O] Regi Motor Mode	-	X	077 077 077 077	020 021 022 023 064	- - -	Excitation State PWM Clock 1-2-phase excitation	P/H
077-025	Side Shift Motor (Rear)	Drives the Side Shift Motor in reverse direction (CCW) to move the Regi Roll from the front to the rear. This operation is allowed if the Side Shift Home Sensor is in blocked state (front side) at the start of the operation. At 10 ms after the Side Shift Home Sensor was exposed to light (rear side), Step Down will start. NOTE: Before carrying out this operation, execute [077-021 Regi Motor: 308.133 mm/s] to drive the Regi Motor in advance. [I/O] Side Shift Motor [I/O] Side Shift Motor Direction [I/O] Side Shift Motor Current [I/O] Side Shift Motor Clock	200 [ms]	X	077 077	026 027	- - -	Excitation State Reverse rotation PWM Clock	P/H
077-026	Side Shift Motor (Front)	Drives the Side Shift Motor in forward direction (CW) to move the Regi Roll from the rear to the front. This operation is allowed if the Side Shift Home Sensor is in exposed state (rear side) at the start of the operation. At 10 ms after the Side Shift Home Sensor was blocked from light (front side), Step Down will start. NOTE: Before carrying out this operation, execute [077-021 Regi Motor: 308.133 mm/s] to drive the Regi Motor in advance. [I/O] Side Shift Motor [I/O] Side Shift Motor Direction [I/O] Side Shift Motor Current [I/O] Side Shift Motor Clock	200 [ms]	X	077 077	025 027	- - -	Excitation State Forward rotation PWM Clock	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
077-027	Side Shift Motor (Front/Rear)	<p>Cyclic operation that drives the Side Shift Motor to move the Regi Roll from the front to the rear and from the rear to the front at 200 ms intervals. (If the Side Shift Home Sensor level does not change within 200 ms, the Side Shift Motor will stop. However, the Component Control status will remain as "in progress".)</p> <p>The Step Down will start after the Side Shift Home Sensor is exposed to light (rear side) when moving from the front to the rear, or at 34 ms after the Sensor is blocked from light (front side) when moving from the rear to the front.</p> <p>NOTE: Before carrying out this operation, execute [077-021 Regi Motor: 308.133 mm/s] to drive the Regi Motor in advance.</p> <p>[I/O] Side Shift Motor [I/O] Side Shift Motor Direction [I/O] Side Shift Motor Current [I/O] Side Shift Motor Clock</p>	-	X	077 077	025 026	- - - -	Excitation State Reverse rotation/Forward rotation PWM Clock	P/H
077-028	Pre Regi N/R Motor (Release)	<p>Drives the Pre Regi N/R Motor to change the Pre Regi Roll from the Nip state to the Release state. This operation is allowed if the Pre Regi N/R Home Sensor is in exposed state at the start of the operation. Once the Pre Regi N/R Home Sensor is blocked from light, the Step Down will start and the operation will stop. If the Sensor becomes blocked within 55 ms after the operation had started, the operation will continue without the Step Down. Instead, the Step Down will start and the operation will stop at the next time the Sensor is blocked.</p> <p>[I/O] Pre Regi N/R Motor [I/O] Pre Regi N/R Motor Current [I/O] Pre Regi N/R Motor Clock</p>	200 [ms]	X	077 077	029 030	- - -	Excitation State PWM Clock	P/H
077-029	Pre Regi N/R Motor (Nip)	<p>Drives the Pre Regi N/R Motor to change the Pre Regi Roll from the Release state to the Nip state. This operation is allowed if the Pre Regi N/R Home Sensor is in blocked state at the start of the operation.</p> <p>The initialization operation for the Pre Regi N/R Control is performed.</p> <p>[I/O] Pre Regi N/R Motor [I/O] Pre Regi N/R Motor Current [I/O] Pre Regi N/R Motor Clock</p>	200 [ms]	X	077 077	028 030	- - -	Excitation State PWM Clock	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
077-030	Pre Regi N/R Motor (N/R)	First, the initialization operation for the Pre Regi N/R Control is performed. And then, the Release operation of the Pre Regi N/R Motor is started and the drive for the Motor is continued to repetitively switch between Release state and Nip state. If the state of the Pre Regi N/R Home Sensor did not change within 200 ms after the drive for the Motor has started or when the status of the Pre Regi N/R Home Sensor has changed, the drive for the Pre Regi N/R Motor will be stopped. However, the Component Control status will remain as "in progress" (the operation completion notification is not carried out). The operation completion notification is carried out only when the system receives an instruction to stop the component operation. [I/O] Pre Regi N/R Motor [I/O] Pre Regi N/R Motor Current [I/O] Pre Regi N/R Motor Clock	-	X	077 077	028 029	- - -	Excitation State PWM Clock	P/H
077-031	Regi N/R Motor (Release)	Drives the Regi N/R Motor to change the Regi Roll from the Nip state to the Release state. This operation is allowed if the Regi N/R Home Sensor is in exposed state at the start of the operation. Once the Regi N/R Home Sensor is blocked from light, the Step Down will start and the operation will stop. If the Sensor becomes blocked within 55 ms after the operation had started, the operation will continue without the Step Down. Instead, the Step Down will start and the operation will stop at the next time the Sensor is blocked. [I/O] Regi N/R Motor [I/O] Regi N/R Motor Current [I/O] Regi N/R Motor Clock	200 [ms]	X	077 077	032 033	- - -	Excitation State PWM Clock	P/H
077-032	Regi N/R Motor (Nip)	Drives the Regi N/R Motor to change the Regi Roll from the Release state to the Nip state. This operation is allowed if the Regi N/R Home Sensor is in blocked state at the start of the operation. The initialization operation for the Regi N/R Control is performed. [I/O] Regi N/R Motor [I/O] Regi N/R Motor Current [I/O] Regi N/R Motor Clock	200 [ms]	X	077 077	031 033	- - -	Excitation State PWM Clock	P/H
077-033	Regi N/R Motor (N/R)	First, the initialization operation for the Regi N/R Control is performed. And then, cyclic operation is performed at 200 ms intervals for the above-mentioned Regi N/R Motor (Release) operation and the Regi N/R Motor (Nip) operation to repetitively switch between the Release state and the Nip state. If the state of the Regi N/R Home Sensor did not change within 200 ms after the drive for the Motor has started, the drive for Pre Regi N/R Motor will be stopped. However, the Component Control status will remain as "in progress" (the operation completion notification is not carried out). The operation completion notification is carried out only when the system receives an instruction to stop the component operation. [I/O] Regi N/R Motor [I/O] Regi N/R Motor Current [I/O] Regi N/R Motor Clock	-	X	077 077	031 032	- - -	Excitation State PWM Clock	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
077-034	IOT Exit Motor Forward Rotation High: 600 mm/s	Drives the Exit Roll / Invert Out Roll in forward direction at 600 mm/s. [I/O] IOT Exit Motor [I/O] IOT Exit Motor Direction [I/O] IOT Exit Motor Current [I/O] IOT Exit Motor Clock	-	X	077 077 077	035 036 037	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-035	IOT Exit Motor Forward Rotation Low: 350 mm/s	Drives the Exit Roll / Invert Out Roll in forward direction at 350 mm/s. [I/O] IOT Exit Motor [I/O] IOT Exit Motor Direction [I/O] IOT Exit Motor Current [I/O] IOT Exit Motor Clock	-	X	077 077 077	034 036 037	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-036	IOT Exit Motor Forward Rotation Transparency: 182.88 mm/s	Drives the Exit Roll / Invert Out Roll in forward direction at 182.88 mm/s. [I/O] IOT Exit Motor [I/O] IOT Exit Motor Direction [I/O] IOT Exit Motor Current [I/O] IOT Exit Motor Clock	-	X	077 077 077	034 035 037	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-037	IOT Exit Motor Reverse Rotation High: 600 mm/s	Drives the Exit Roll / Invert Out Roll in reverse direction at 600 mm/s. [I/O] IOT Exit Motor [I/O] IOT Exit Motor Direction [I/O] IOT Exit Motor Current [I/O] IOT Exit Motor Clock	-	X	077 077 077	034 035 036	- - - -	Excitation State Reverse rotation PWM Clock	P/H
077-038	Invert In Motor 640 mm/s	Drives the Invert In Roll at 640 mm/s. [I/O] Invert In Motor [I/O] Invert In Motor Current [I/O] Invert In Motor Clock	-	X	077 077 077 077	039 040 041 042	- - - -	Excitation State PWM Clock	P/H
077-039	Invert In Motor 305.69 mm/s	Drives the Invert In Roll at 305.69 mm/s. [I/O] Invert In Motor [I/O] Invert In Motor Current [I/O] Invert In Motor Clock	-	X	077 077 077 077	038 040 041 042	- - - -	Excitation State PWM Clock	P/H
077-040	Invert In Motor 222.72 mm/s	Drives the Invert In Roll at 222.72 mm/s. [I/O] Invert In Motor [I/O] Invert In Motor Current [I/O] Invert In Motor Clock	-	X	077 077 077 077	038 039 041 042	- - - -	Excitation State PWM Clock	P/H
077-041	Invert In Motor 152.84 mm/s	Drives the Invert In Roll at 152.84 mm/s. [I/O] Invert In Motor [I/O] Invert In Motor Current [I/O] Invert In Motor Clock	-	X	077 077 077 077	038 039 040 042	- - - -	Excitation State PWM Clock	P/H
077-042	Invert In Motor 101.87 mm/s	Drives the Invert In Roll at 101.87 mm/s. [I/O] Invert In Motor [I/O] Invert In Motor Current [I/O] Invert In Motor Clock	-	X	077 077 077 077	038 039 040 041	- - - -	Excitation State PWM Clock	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
077-043	Invert Motor Pull-in (Intake) 640 mm/s	Drives the Invert Roll at 640 mm/s in the pull-in (intake) direction (forward rotation [through the Inv Path]). [I/O] Invert Motor [I/O] Invert Motor Direction [I/O] Invert Motor Current [I/O] Invert Motor Clock	-	X	077 077 077 077	044 045 046 047 048	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-044	Invert Motor Pull-in (Intake) 305.69 mm/s	Drives the Invert Roll at 305.69 mm/s in the pull-in (intake) direction (forward rotation [through the Inv Path]). [I/O] Invert Motor [I/O] Invert Motor Direction [I/O] Invert Motor Current [I/O] Invert Motor Clock	-	X	077 077 077 077	043 045 046 047 048	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-045	Invert Motor Pull-in (Intake) 222.72 mm/s	Drives the Invert Roll at 222.72 mm/s in the pull-in (intake) direction (forward rotation [through the Inv Path]). [I/O] Invert Motor [I/O] Invert Motor Direction [I/O] Invert Motor Current [I/O] Invert Motor Clock	-	X	077 077 077 077	043 044 046 047 048	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-046	Invert Motor Pull-in (Intake) 152.81 mm/s	Drives the Invert Roll at 152.81 mm/s in the pull-in (intake) direction (forward rotation [through the Inv Path]). [I/O] Invert Motor [I/O] Invert Motor Direction [I/O] Invert Motor Current [I/O] Invert Motor Clock	-	X	077 077 077 077	043 044 045 047 048	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-047	Invert Motor Pull-in (Intake) 101.90 mm/s	Drives the Invert Roll at 101.90 mm/s in the pull-in (intake) direction (forward rotation [through the Inv Path]). [I/O] Invert Motor [I/O] Invert Motor Direction [I/O] Invert Motor Current [I/O] Invert Motor Clock	-	X	077 077 077 077	043 044 045 046 048	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-048	Invert Motor Output	Drives the Invert Roll at 600 mm/s in the output direction (reverse rotation). [I/O] Invert Motor [I/O] Invert Motor Direction [I/O] Invert Motor Current [I/O] Invert Motor Clock	-	X	077 077 077 077	043 044 045 046 047	- - - -	Excitation State Reverse rotation PWM Clock	P/H
077-049	Invert N/R Motor Initialization Operation	Drives the Invert N/R Motor to perform the initialization operation. [I/O] Invert N/R Motor [I/O] Invert N/R Motor Current [I/O] Invert N/R Motor Clock	400 [ms]	X	077 077	050 051	- - -	Excitation State PWM Clock	P/H
077-050	Invert N/R Motor Release Operation	Drives the Invert N/R Motor to perform the Release operation. [I/O] Invert N/R Motor [I/O] Invert N/R Motor Current [I/O] Invert N/R Motor Clock	300 [ms]	X	077 077	049 051	- - -	Excitation State PWM Clock	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
077-051	Invert N/R Motor Nip Operation	Drives the Invert N/R Motor to perform the Nip operation. [I/O] Invert N/R Motor [I/O] Invert N/R Motor Current [I/O] Invert N/R Motor Clock	300 [ms]	X	077 077	049 050	- - -	Excitation State PWM Clock	P/H
077-052	Duplex Motor Forward Rotation	Drives the Duplex In Roll, the Duplex Path Roll 1, 2, 3, 4, and the Duplex Out Roll at 640 mm/s in forward rotation. [I/O] Duplex Motor [I/O] Duplex Motor Direction [I/O] Duplex Motor Current [I/O] Duplex Motor Clock	-	X	077	053	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-053	Duplex Motor Reverse Rotation	Drives the Duplex In Roll, the Duplex Path Roll 1, 2, 3, 4, and the Duplex Out Roll at 640 mm/s in reverse rotation. [I/O] Duplex Motor [I/O] Duplex Motor Direction [I/O] Duplex Motor Current [I/O] Duplex Motor Clock	-	X	077	052	- - - -	Excitation State Reverse rotation PWM Clock	P/H
077-054	CIS LED ON/OFF	CIS LED Output ON: Sets [0x05] for the CIS-Control CIS_CTRL register. OFF: Sets [0x01] for the CIS-Control CIS_CTRL register. NOTE: This LED is forced to turn OFF when the Front/Drawer Interlock is Open and if the Front/Drawer Interlock is opened when the LED is ON.	-	X			High	LED ON	P/H
077-058	Invert In Gate Motor Initialize	Drives the Invert In Gate Motor to perform the Initialize operation. The operation will stop after the specified time when the Invert In Gate Sensor gets exposed to light. If the operation started with the Invert In Gate Sensor in blocked state, it will stop (Exit direction) at the next detection of blocked state after a temporary detection of exposed state. [I/O] Invert In Gate Motor [I/O] Invert In Gate Motor Current [I/O] Invert In Gate Clock [I/O] Invert In Gate Sensor	400 [ms]	X	077 077	059 060 061	- - - Low	Excitation State PWM Clock Exit	P/H
077-059	Invert In Gate Motor Exit	Drives the Invert In Gate Motor to switch the Invert In Gate from the Invert side to the Exit side. This operation is allowed if the Invert In Gate Sensor is in blocked state at the start of the operation. The operation will stop after the specified time when the Invert In Gate Sensor gets exposed to light. [I/O] Invert In Gate Motor [I/O] Invert In Gate Motor Current [I/O] Invert In Gate Clock [I/O] Invert In Gate Sensor	200 [ms]	X	077 077	058 060 061	- - - Low	Excitation State PWM Clock Exit	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
077-060	Invert In Gate Motor Invert	Drives the Invert In Gate Motor to switch the Invert In Gate from the Exit side to the Invert side. This operation is allowed if the Invert In Gate Sensor is in exposed state at the start of the operation. The operation will stop after the specified time when the Invert In Gate Sensor gets blocked from light. [I/O] Invert In Gate Motor [I/O] Invert In Gate Motor Current [I/O] Invert In Gate Clock [I/O] Invert In Gate Sensor	200 [ms]	X	077 077	058 059 061	- - - High	Excitation State PWM Clock Invert	P/H
077-061	Invert In Gate Motor Switch Operation	Carries out cyclic operation for Invert In Gate Motor Exit and Invert In Gate Motor Invert at 800 ms intervals. If the state of the Invert In Gate Home Sensor did not change within 200 ms after the drive for the Motor has started, the drive for Invert In Gate Motor will be stopped. However, the Component Control status will remain as "in progress" (the operation completion notification is not carried out). The operation completion notification is carried out only when the system receives an instruction to stop the component operation. [I/O] Invert In Gate Motor [I/O] Invert In Gate Motor Current [I/O] Invert In Gate Clock	-	O	077 077	058 059 060	- - -	Excitation State PWM Clock	P/H
077-062	Transport Motor: 506 mm/s	Drives the Transport Roll in forward direction (CCW) at 506 mm/s. [I/O] Transport Motor [I/O] Transport Motor Direction [I/O] Transport Motor Current [I/O] Transport Motor Clock	-	X	077 077 077 077 077 077 077	008 009 010 011 012 013 014 015 016	- - - -	Excitation State Forward rotation PWM Clock	P/H
077-063	Pre Regi Motor: 506 mm/s	Drives the Pre Regi Roll at 506 mm/s. [I/O] Pre Regi Motor [I/O] Pre Regi Motor Current [I/O] Pre Regi Motor Clock [I/O] Pre Regi Motor Mode	-	X	077 077 077	017 018 019	- - - -	Excitation State PWM Clock 1-2-phase excitation	P/H
077-064	Regi Motor: 506 mm/s	Drives the Regi Roll at 506 mm/s. [I/O] Regi Motor [I/O] Regi Motor Current [I/O] Regi Motor Clock [I/O] Regi Motor Mode	-	X	077 077 077 077	020 021 022 023 024	- - - -	Excitation State PWM Clock 2-phase excitation	P/H

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
089-001	MOB SENSOR LED A/B ON PWM	Turns the LED A/B (IN/CENTER/OUT) of the MOB ADC Assy ON/OFF. [I/O] IN (REAR) MOB SENSOR (MOB LED Current Setting IN) [I/O] CENTER MOB SENSOR (MOB LED Current Setting CENTER) [I/O] OUT (FRONT) MOB SENSOR (MOB LED Current Setting OUT)	-	X	-	-	-	PWM PWM PWM	RegiCon
091-001	Erase Lamp Y, M, C	Turns the Erase Lamp Y, M, C ON/OFF.	-	X	-	-	Low	ON	Xero
091-002	Erase Lamp K	Turns the Erase Lamp K ON/OFF.	-	X	-	-	Low	ON	Xero
091-003	BCR AC/DC Y PWM	Outputs the BCR Y AC/DC. <i>NOTE: Discharging of the BCR Y is possible when used in combination with [Component] BCR AC Clock (091-006). It is necessary to output the BCR AC Clock before usage.</i>	-	X			-	PWM	Xero
091-004	BCR AC/DC M PWM	Outputs the BCR M AC/DC. <i>NOTE: Discharging of the BCR M is possible when used in combination with [Component] BCR AC Clock (091-006). It is necessary to output the BCR AC Clock before usage.</i>	-	X			-	PWM	Xero
091-005	BCR AC/DC C PWM	Outputs the BCR C AC/DC. <i>NOTE: Discharging of the BCR C is possible when used in combination with [Component] BCR AC Clock (091-006). It is necessary to output the BCR AC Clock before usage.</i>	-	X			-	PWM	Xero
091-006	BCR AC Clock	Outputs the AC component frequency in the BCR. This can be used in combination with any one of [Component] BCR AC/DC Y PWM (091-003), BCR AC/DC M PWM (091-004), or BCR AC/DC C PWM (091-005). Capable of performing the discharge operation for each BCR Y, M, C. <i>NOTE: When stopping the BCR AC Clock, the BCR AC/DC Y PWM, BCR AC/DC M PWM, or BCR AC/DC C PWM must be stopped first.</i>	-	X			-	Clock	Xero
091-007	CC	Discharges electricity by the CC Grid and CC Wire output in CC K.	-	X	-	-	-	PWM	Xero
091-008	PCC DC	Removes the positive electric potential from the PCC K.	-	X	-	-	-	PWM	Xero
091-009	CC Cleaner Forward	Moves the CC Cleaner from the rear to the front. <i>NOTE: This operation may cause the machine to breakdown. Therefore, the start/stop operations for the following components are the same as for the CC Cleaning operation.</i> [I/O] CC Cleaner Motor [I/O] CC Cleaner Motor Current [I/O] CC Cleaner Motor Direction [I/O] CC Cleaner Motor Clock	15.5 s	X	091	010	High - High -	ON State - CCW direction -	Xero

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
091-010	CC Cleaner Reverse	Moves the CC Cleaner from the front to the rear. NOTE: This operation may cause the machine to breakdown. Therefore, the start/stop operations for the following components are the same as for the CC Cleaning operation. [I/O] CC Cleaner Motor [I/O] CC Cleaner Motor Current [I/O] CC Cleaner Motor Direction [I/O] CC Cleaner Motor Clock	15.5 s	X	091	009	High - Low -	ON State - CW direction -	Xero
092-001	ADC LED Specular	Turns the LED on the side of the ADC mirror ON/OFF.	-	X	-	-	Low	LED 2 ON State	ProCon
092-002	ADC LED Diffuse	Turns the ADC diffusion LED ON/OFF.	-	X	-	-	Low	LED 1 ON State	ProCon
092-004	ADC Shutter Open	Opens the ADC Shutter. NOTE: After performing this Component Control, make sure the ADC Shutter is closed so that the ADC Sensor inside the shutter will not be dirtied (the shutter, however, will close automatically if printing is carried out)	100 ms	X	092	005	Low	Open state	ProCon
092-005	ADC Shutter Close	Closes the ADC Shutter.	100 ms	X	092	004	Low	Closed state	ProCon
093-001	Toner Cartridge Motor Y	Supplies Toner Y to the Reserve Tank.	10 s	X			-	ON State	Deve
093-002	Toner Cartridge Motor M	Supplies Toner M to the Reserve Tank.	10 s	X			-	ON State	Deve
093-003	Toner Cartridge Motor C	Supplies Toner C to the Reserve Tank.	10 s	X			-	ON State	Deve
093-004	Toner Cartridge Motor K1	Supplies Toner K1 to the Reserve Tank.	10 s	X			-	ON State	Deve
093-005	Toner Cartridge Motor K2	Supplies Toner K2 to the Reserve Tank.	10 s	X			-	ON State	Deve
093-006	Dispense Motor Y	Supplies Toner Y from the Reserve Tank to the Developer Housing Assy.	2 s	X			-	ON State	Deve
093-007	Dispense Motor M	Supplies Toner M from the Reserve Tank to the Developer Housing Assy.	2 s	X			-	ON State	Deve
093-008	Dispense Motor C	Supplies Toner C from the Reserve Tank to the Developer Housing Assy.	2 s	X			-	ON State	Deve
093-009	Dispense Motor K	Supplies Toner K from the Reserve Tank to the Developer Housing Assy.	2 s	X			-	ON State	Deve
093-010	Deve Bias DC Y	Outputs the Deve Bias DC Y.	-	X			-	PWM	Deve
093-011	Deve Bias AC Y	Outputs the Deve Bias AC Y, M, C. [I/O] Deve Bias AC PWM Y1 [I/O] Deve Bias AC PWM Y2	-	X			- -	PWM PWM	Deve
093-012	Deve Bias DC M	Outputs the Deve Bias DC M.	-	X			-	PWM	Deve
093-013	Deve Bias AC M	Outputs the Deve Bias AC Y, M, C. [I/O] Deve Bias AC PWM M1 [I/O] Deve Bias AC PWM M2	-	X			- -	PWM PWM	Deve
093-014	Deve Bias DC C	Outputs the Deve Bias DC C.	-	X			-	PWM	Deve
093-015	Deve Bias AC C	Outputs the Deve Bias AC Y, M, C. [I/O] Deve Bias AC PWM C1 [I/O] Deve Bias AC PWM C2	-	X			- -	PWM PWM	Deve
093-016	Deve Bias DC K	Outputs the Deve Bias DC K.	-	X			-	PWM	Deve

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
093-017	Deve Bias AC K	Outputs the Deve Bias AC K. [I/O] Deve Bias AC PWM K1 [I/O] Deve Bias AC PWM K2	-	X			- -	PWM PWM	Deve
093-018	Deve Motor: 308 [mm/s]	Turns the Deve Motor ON/OFF. Operates at Process Speed of 308 mm/s. [I/O] Deve Motor [I/O] Deve Motor Gain 1 [I/O] Deve Motor Gain 2 [I/O] Deve Motor Clock (Sets the above speed according to the combination of the Deve Motor Gain 1 and 2.)	-	X	093 093 093 093	019 020 021 024	Low High High -	ON State - - Clock	Deve
093-019	Deve Motor: 224 [mm/s]	Turns the Deve Motor ON/OFF. Operates at Process Speed of 224 mm/s. [I/O] Deve Motor [I/O] Deve Motor Gain 1 [I/O] Deve Motor Gain 2 [I/O] Deve Motor Clock (Sets the above speed according to the combination of the Deve Motor Gain 1 and 2.)	-	X	093 093 093 093	018 020 021 024	Low Low High -	ON State - - Clock	Deve
093-020	Deve Motor: 154 [mm/s]	Turns the Deve Motor ON/OFF. Operates at Process Speed of 154 mm/s. [I/O] Deve Motor [I/O] Deve Motor Gain 1 [I/O] Deve Motor Gain 2 [I/O] Deve Motor Clock (Sets the above speed according to the combination of the Deve Motor Gain 1 and 2.)	-	X	093 093 093 093	018 019 021 024	Low High Low -	ON State - - Clock	Deve
093-021	Deve Motor: 102 [mm/s]	Turns the Deve Motor ON/OFF. Operates at Process Speed of 102 mm/s. [I/O] Deve Motor [I/O] Deve Motor Gain 1 [I/O] Deve Motor Gain 2 [I/O] Deve Motor Clock (Sets the above speed according to the combination of the Deve Motor Gain 1 and 2.)	-	X	093 093 093 093	018 019 020 024	Low Low Low -	ON State - - Clock	Deve
093-022	Deve Clutch	Turns the Deve Clutch K ON/OFF. When checking the Deve K operation, it is necessary to check it in combination with the following outputs. If the following procedures are not carried out, the developer might accumulate between the Drum and the Deve Roll. 1. Lower the IBT Module. 2. Turn ON the [Component] Main Motor (042-002). 3. Turn ON the [Component] Drum Motor K (042-006). 4. Turn ON the [Component] Deve Clutch K (093-022). * The order for Step 2 and 3 is different. When stopping, stop Step 4, followed by Step 2 then 3.	-	X	093	023	Low	ON State	Deve

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
094-003	2nd BTR Contact	Contact operation of the 2nd BTR. The contact operation of the 2nd BTR will stop when the Contact Position of the 2nd BTR CONT/RET Sensor is detected. [I/O] 2nd BTR Retract Clutch [I/O] 2nd BTR CONT/RET Sensor It is necessary to set the [Component] Main Mot (042-001, 042-002, 042-003, 042-004) in operation first.	-	X	094 094	004 005	Low High	ON State Contact Position	Xfer
094-004	2nd BTR Retract	Retract operation of the 2nd BTR. The retract operation of the 2nd BTR will stop when the Retract Position of the 2nd BTR CONT/RET Sensor is detected. [I/O] 2nd BTR Retract Clutch [I/O] 2nd BTR CONT/RET Sensor It is necessary to set the [Component] Main Mot (042-001, 042-002, 042-003, 042-004) in operation first.	-	X	094 094	003 005	Low Low	ON State Retract Position	Xfer
094-005	2nd BTR Retract Cam Clutch	Turns the 2nd BTR Retract Cam Clutch ON/OFF.	-	X	094 094	003 004	Low	ON State	Xfer
094-006	2nd BTR Motor: 308 mm/s	Drives the 2nd BTR Motor at 308 mm/s. Operation is prohibited when the 2nd BTR in retracted state. [I/O] 2nd BTR Motor [I/O] 2nd BTR Motor Clock [I/O] 2nd BTR Motor Direction	100 s	X	094 094 094	007 008 009	- - -	ON State Clock Forward rotation	Xfer
094-007	2nd BTR Motor: 224 mm/s	Drives the 2nd BTR Motor at 224 mm/s. Operation is prohibited when the 2nd BTR in retracted state. [I/O] 2nd BTR Motor [I/O] 2nd BTR Motor Clock [I/O] 2nd BTR Motor Direction	100 s	X	094 094 094	006 008 009	- - -	ON State Clock Forward rotation	Xfer
094-008	2nd BTR Motor: 154 mm/s	Drives the 2nd BTR Motor at 154 mm/s. Operation is prohibited when the 2nd BTR in retracted state. [I/O] 2nd BTR Motor [I/O] 2nd BTR Motor Clock [I/O] 2nd BTR Motor Direction	100 s	X	094 094 094	006 007 009	- - -	ON State Clock Forward rotation	Xfer
094-009	2nd BTR Motor: 102 mm/s	Drives the 2nd BTR Motor at 102 mm/s. Operation is prohibited when the 2nd BTR in retracted state. [I/O] 2nd BTR Motor [I/O] 2nd BTR Motor Clock [I/O] 2nd BTR Motor Direction	100 s	X	094 094 094	006 007 008	- - -	ON State Clock Forward rotation	Xfer
094-010	1st BTR Y PWM	Charges the 1st BTR Y.	-	X			-	PWM	Xfer
094-011	1st BTR M PWM	Charges the 1st BTR M.	-	X			-	PWM	Xfer
094-012	1st BTR C PWM	Charges the 1st BTR C.	-	X			-	PWM	Xfer
094-013	1st BTR K PWM	Charges the 1st BTR K.	-	X			-	PWM	Xfer
094-014	2nd BTR PWM Current	Charges according to the constant current output (34 microA) of the 2nd BTR.	-	X	094 094	015 016	-	PWM	Xfer

Table 1 DC330 Output Component Check List (IOT)

Chain-Link	Component Name	Description	Time Out	Cyclic Operation	Multiple Output Prohibited		ON State		Module Name
					Chain	Link	Connector	Meaning	
094-015	2nd BTR PWM Voltage	Charges according to the voltage output of the 2nd BTR.	-	X	094 094	014 016	-	PWM	Xfer
094-016	2nd Clean PWM	Charges according to the cleaning voltage output of the 2nd BTR.	-	X	094 094	014 015	-	PWM	Xfer

6.3.2.4 DC330 Output Component Check List (IF Module)

Table 1 DC330 Output Component Check List (IF Module)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	Module Name
048-001	IFM Transport Mot 1000 mm/s	Drives the IFM Transport Motor at transport speed of 1000 mm/s (3183 pps) *This will not operate when Interlock Open is detected	-	X	048-045~047, 048-060~063	I/F Module
048-002	IFM Decurler Belt Mot Speed 1	Drives the IFM Decurler Belt Motor at Speed 1. *This will not operate when Interlock Open is detected	-	X	048-003~009, 048-026~041, 048-052~059	I/F Module
048-003	IFM Decurler Belt Mot Speed 2	Drives the IFM Decurler Belt Motor at Speed 2. *This will not operate when Interlock Open is detected	-	X	048-002, 048-004~009, 048-026~041, 048-052~059	I/F Module
048-004	IFM Decurler Belt Mot Speed 3	Drives the IFM Decurler Belt Motor at Speed 3. *This will not operate when Interlock Open is detected	-	X	048-002, 048-003, 048-005~009, 048-026~041, 048-052~059	I/F Module
048-005	IFM Decurler Belt Mot Speed 4	Drives the IFM Decurler Belt Motor at Speed 4. *This will not operate when Interlock Open is detected	-	X	048-002~004, 048-006~009, 048-026~041, 048-052~059	I/F Module
048-006	IFM Decurler Belt Mot Speed 5	Drives the IFM Decurler Belt Motor at Speed 5. *This will not operate when Interlock Open is detected	-	X	048-002~005, 048-007~009, 048-026~041, 048-052~059	I/F Module
048-007	IFM Decurler Belt Mot Speed 6	Drives the IFM Decurler Belt Motor at Speed 6. *This will not operate when Interlock Open is detected	-	X	048-002~006, 048-008~009, 048-026~041, 048-052~059	I/F Module
048-008	IFM Decurler Belt Mot Speed 7	Drives the IFM Decurler Belt Motor at Speed 7. *This will not operate when Interlock Open is detected	-	X	048-002~007, 048-009, 048-026~041, 048-052~059	I/F Module
048-009	IFM Decurler Belt Mot Speed 8	Drives the IFM Decurler Belt Motor at Speed 8. *This will not operate when Interlock Open is detected	-	X	048-002~008, 048-026~041, 048-052~059	I/F Module
048-010	IFM Decurler Cam Mot Hold	Holds the IFM Decurler Cam Motor by low current excitation. *This will not operate when Interlock Open is detected	-	X	048-011, 048-012	I/F Module
048-011	IFM Decurler Cam Mot CW	Drives the IFM Decurler Cam Motor in CW direction at 337.5 rpm. *This will not operate when Interlock Open is detected	-	X	048-010, 048-012	I/F Module
048-012	IFM Decurler Cam Mot CCW	Drives the IFM Decurler Cam Motor in CCW direction at 337.5 rpm. *This will not operate when Interlock Open is detected	-	X	048-010, 048-011	I/F Module
048-014	IFM Decurler Gate Sol Upper	Switches the IFM Decurler Gate to the Upper side (top feed side). NOTE: The IFM Decurler Gate becomes positioned at the bottom. *This will not operate when Interlock Open is detected	100 ms	X	048-015	I/F Module
048-015	IFM Decurler Gate Sol Lower	Switches the IFM Decurler Gate to the Lower side (bottom feed side). NOTE: The IFM Decurler Gate becomes positioned at the top. *This will not operate when Interlock Open is detected	100 ms	X	048-014	I/F Module
048-016	IFM Fan 1/2	Turns ON the IFM Fan 1/2. *This will not operate when Interlock Open is detected	-	X	-	I/F Module

Table 1 DC330 Output Component Check List (IF Module)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	Module Name
048-017	IFM Fan 3	Turns ON the IFM Fan 3. *This will not operate when Interlock Open is detected	-	X	-	I/F Module
048-018	IFM Decurler LED Pene Up 10	Turns ON the IFM Decurler LED Pene Up 10.	-	X	-	I/F Module
048-019	IFM Decurler LED Pene Up 8	Turns ON the IFM Decurler LED Pene Up 8.	-	X	-	I/F Module
048-020	IFM Decurler LED Pene Up 6	Turns ON the IFM Decurler LED Pene Up 6.	-	X	-	I/F Module
048-021	IFM Decurler LED Pene Up 2	Turns ON the IFM Decurler LED Pene Up 2.	-	X	-	I/F Module
048-022	IFM Decurler LED Pene Down 6	Turns ON the IFM Decurler LED Pene Down 6.	-	X	-	I/F Module
048-023	IFM Decurler LED Pene Down 8	Turns ON the IFM Decurler LED Pene Down 8.	-	X	-	I/F Module
048-024	IFM Decurler LED Pene Down 10	Turns ON the IFM Decurler LED Pene Down 10.	-	X	-	I/F Module
048-025	IFM Auto Decurler LED	Turns ON the I/F Auto Decurler LED.	-	X	-	I/F Module
048-026	IFM Decurler Belt Mot Speed 9	Drives the IFM Decurler Belt Motor at Speed 9. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-027~041, 048-052~059	I/F Module
048-027	IFM Decurler Belt Mot Speed 10	Drives the IFM Decurler Belt Motor at Speed 10. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026, 048-028~041, 048-052~059	I/F Module
048-028	IFM Decurler Belt Mot Speed 11	Drives the IFM Decurler Belt Motor at Speed 11. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026, 048-027, 048-029~041, 048-052~059	I/F Module
048-029	IFM Decurler Belt Mot Speed 12	Drives the IFM Decurler Belt Motor at Speed 12. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~028, 048-030~041, 048-052~059	I/F Module
048-030	IFM Decurler Belt Mot Speed 13	Drives the IFM Decurler Belt Motor at Speed 13. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~029, 048-031~041, 048-052~059	I/F Module
048-031	IFM Decurler Belt Mot Speed 14	Drives the IFM Decurler Belt Motor at Speed 14. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~030, 048-032~041, 048-052~059	I/F Module
048-032	IFM Decurler Belt Mot Speed 15	Drives the IFM Decurler Belt Motor at Speed 15. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~031, 048-033~041, 048-052~059	I/F Module
048-033	IFM Decurler Belt Mot Speed 16	Drives the IFM Decurler Belt Motor at Speed 16. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~032, 048-034~041, 048-052~059	I/F Module
048-034	IFM Decurler Belt Mot Speed 17	Drives the IFM Decurler Belt Motor at Speed 17. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~033, 048-035~041, 048-052~059	I/F Module
048-035	IFM Decurler Belt Mot Speed 18	Drives the IFM Decurler Belt Motor at Speed 18. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~034, 048-036~041, 048-052~059	I/F Module
048-036	IFM Decurler Belt Mot Speed 19	Drives the IFM Decurler Belt Motor at Speed 19. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~035, 048-037~041, 048-052~059	I/F Module

Table 1 DC330 Output Component Check List (IF Module)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	Module Name
048-037	IFM Decurler Belt Mot Speed 20	Drives the IFM Decurler Belt Motor at Speed 20. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~036, 048-038~041, 048-052~059	I/F Module
048-038	IFM Decurler Belt Mot Speed 21	Drives the IFM Decurler Belt Motor at Speed 21. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~037, 048-039~041, 048-052~059	I/F Module
048-039	IFM Decurler Belt Mot Speed 22	Drives the IFM Decurler Belt Motor at Speed 22. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~038, 048-040~041, 048-052~059	I/F Module
048-040	IFM Decurler Belt Mot Speed 23	Drives the IFM Decurler Belt Motor at Speed 23. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~039, 048-041, 048-052~059	I/F Module
048-041	IFM Decurler Belt Mot Speed 24	Drives the IFM Decurler Belt Motor at Speed 24. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~040, 048-052~059	I/F Module
048-042	IFM Fan 5	Turns ON the IFM Fan 5. *This will not operate when Interlock Open is detected	-	X	-	I/F Module
048-045	IFM Transport Mot 732.3 mm/s	Drives the IFM Transport Motor at transport speed of 732.3 mm/s (2331 pps) *This will not operate when Interlock Open is detected	-	X	048-001, 048-046, 048-047, 048-060~063	I/F Module
048-046	IFM Transport Mot 606 mm/s	Drives the IFM Transport Motor at transport speed of 606 mm/s (1929 pps) *This will not operate when Interlock Open is detected	-	X	048-001, 048-045, 048-047, 048-060~063	I/F Module
048-047	IFM Transport Mot 350.3 mm/s	Drives the IFM Transport Motor at transport speed of 350.3 mm/s (1115 pps) *This will not operate when Interlock Open is detected	-	X	048-001, 048-045, 048-046, 048-060~063	I/F Module
048-052	IFM Decurler Belt Mot Speed 25	Drives the IFM Decurler Belt Motor at Speed 25. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~041, 048-053~059	I/F Module
048-053	IFM Decurler Belt Mot Speed 26	Drives the IFM Decurler Belt Motor at Speed 26. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~040, 048-052, 048-054~059	I/F Module
048-054	IFM Decurler Belt Mot Speed 27	Drives the IFM Decurler Belt Motor at Speed 27. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~040, 048-052~053, 048-055~059	I/F Module
048-055	IFM Decurler Belt Mot Speed 28	Drives the IFM Decurler Belt Motor at Speed 28. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~040, 048-052~054, 048-056~059	I/F Module
048-056	IFM Decurler Belt Mot Speed 29	Drives the IFM Decurler Belt Motor at Speed 29. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~040, 048-052~055, 048-057~059	I/F Module
048-057	IFM Decurler Belt Mot Speed 30	Drives the IFM Decurler Belt Motor at Speed 30. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~040, 048-052~056, 048-058~059	I/F Module
048-058	IFM Decurler Belt Mot Speed 31	Drives the IFM Decurler Belt Motor at Speed 31. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~040, 048-052~057, 048-059	I/F Module

Table 1 DC330 Output Component Check List (IF Module)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	Module Name
048-059	IFM Decurler Belt Mot Speed 32	Drives the IFM Decurler Belt Motor at Speed 32. *This will not operate when Interlock Open is detected	-	X	048-002~009, 048-026~040, 048-052~058	I/F Module
048-060	IFM Transport Mot 445.2 mm/s	Drives the IFM Transport Motor at transport speed of 445.2 mm/s (1417 pps) *This will not operate when Interlock Open is detected	-	X	048-001, 048-045~047, 048-061~063	I/F Module
048-061	IFM Transport Mot 400.2 mm/s	Drives the IFM Transport Motor at transport speed of 400.2 mm/s (1274 pps) *This will not operate when Interlock Open is detected	-	X	048-001, 048-045~047, 048-060, 048-062~063	I/F Module
048-062	IFM Transport Mot 310.1 mm/s	Drives the IFM Transport Motor at transport speed of 310.1 mm/s (987 pps) *This will not operate when Interlock Open is detected	-	X	048-001, 048-045~047, 048-060~061, 048-063	I/F Module
048-063	IFM Transport Mot 377.0 mm/s	Drives the IFM Transport Motor at transport speed of 377.0 mm/s (1200 pps) *This will not operate when Interlock Open is detected	-	X	048-001, 048-045~047, 048-060~062	I/F Module

6.3.2.5 DC330 Output Component Check List (HCS 1)

Table 1 DC330 Output Component Check List (HCS 1)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	Module Name
049-001	Front Door Lock Solenoid (Lock)	This Door Lock locks (keep solenoid attracted) the Front Door.	-	X	-	HCS 1
049-002	Front Door Lock Solenoid (UnLock)	Releases the Front Door. Unlocks the Door Lock (keep solenoid reverted).	-	X	-	HCS 1
049-003	Panel LED Test Start	Performs the Panel LED Test. Turns it ON and OFF repeatedly.	-	X	-	HCS 1
049-006	ELEVETER MOT High	Performs continuous operation that raises/lowers the Stacker at High Speed (4000 pps).	-	X	049-007, 049-008	HCS 1
049-007	ELEVETER MOT Middle	Performs continuous operation that raises/lowers the Stacker at Medium Speed (2000 pps).	-	X	049-006, 049-008	HCS 1
049-008	ELEVETER MOT Low	Performs continuous operation that raises/lowers the Stacker at Low Speed (1100 pps).	-	X	049-006, 049-007	HCS 1
049-009	SET CLAMP MOT	Performs the to-and-fro operation 10 times..	-	X	-	HCS 1
049-010	LEAD TAMPER MOT	Performs the Lead Tamper operation 10 times..	-	X	-	HCS 1
049-011	REAR TAMPER MOT	Performs the Rear Tamper operation 10 times..	-	X	-	HCS 1
049-012	FRONT TAMPER MOT	Performs the Front Tamper operation 10 times..	-	X	-	HCS 1
049-013	PAD MOVE MOT	Performs the to-and-fro operation 10 times..	-	X	-	HCS 1
049-014	SIDE TAMPER EXTENSION MOT	Performs the to-and-fro operation 10 times..	-	X	-	HCS 1
049-015	Stacker Paddle Clutch	Turns ON the Clutch.	-	X	-	HCS 1
049-019	Top Tray Clutch	Turns ON the Clutch.	-	X	-	HCS 1
049-021	EDGE SNR MOVE MOT	Performs the Edge Sensor Unit left-and-right operation 10 times..	-	X	-	HCS 1
049-022	Lower Fan	Activates the Fan.	-	X	-	HCS 1
049-023	Upper Fan	Activates the Fan.	-	X	-	HCS 1
049-024	Paper Fan 1, 2	Activates the Fan.	-	X	-	HCS 1
049-028	HCF Transport Motor 1	Activates the HCS Transport Motor 1.	-	X	-	HCS 1
049-029	Stacker Exit Roll Offset Motor	Performs the Offset Roll left-and-right operation 10 times..	-	X	-	HCS 1
049-030	Gate Solenoid TOP	Switches to the Top Tray side.	-	X	-	HCS 1
049-031	Gate Solenoid STACKER	Switches to the Stacker side.	-	X	-	HCS 1
049-032	Gate Solenoid BYPASS	Switches to the Bypass side.	-	X	-	HCS 1
049-034	STACKER EXIT MOT High	Activates the STACKER EXIT Motor in high speed operation.	-	X	049-035	HCS 1
049-035	STACKER EXIT MOT Low	Activates the STACKER EXIT Motor in high speed operation and low speed operation.	-	X	049-034	HCS 1
049-036	TOP TRAY MOT High	Activates the TOP TRAY Motor in high speed operation.	-	X	049-037	HCS 1
049-037	TOP TRAY MOT Low	Activates the TOP TRAY Motor in high speed operation and low speed operation.	-	X	049-036	HCS 1
049-038	Bypass Clutch 1	Turns ON the Clutch.	-	X	-	HCS 1
049-039	Bypass Clutch 2	Turns ON the Clutch.	-	X	-	HCS 1
049-040	Bypass Clutch 3	Turns ON the Clutch.	-	X	-	HCS 1
049-041	Transport Clutch	Turns ON the Clutch.	-	X	-	HCS 1

Table 1 DC330 Output Component Check List (HCS 1)

Chain-Link	Component Name	Description	TimeOut	Cyclic Operation	Simultaneous Output Prohibited Items (Chain-Link)	Module Name
049-042	HCF Transport Motor 2	Activates the HCS Transport Motor 2.	-	X	-	HCS 1
049-043	No Paper Run	No Paper Run *This is for the purpose of Development EME Evaluation and it is not the same as the normal No Paper Run.	-	X	All output are prohibited	HCS 1
049-044	No Paper Run 2	No Paper Run for Endurance Test. *This is for the purpose of Endurance Test and it is not the same as the normal No Paper Run.	-	X	All output are prohibited	HCS 1

6.3.3 DC140 Analog Monitor

Table 1 DC140 Analog Monitor

Chain-Link	Component Name	Description	CE Corrective Action	Module Name
010-200	NC Center Sensor : Inf	The detected temperature at the Heat Roll Center.	Normal Output Range: 1020 to 242 Failure Determination Level: High Temperature Failure is detected when it is 242 or lower. Open circuit is detected when it is 1020 or higher. NOTE: The value is not fixed when PH Drawer Interlock is Open.	Fusing
010-201	NC Center Sensor :Temp	Temperature of the device itself (compensated output)	Normal Output Range: 1020 to 276 Failure Determination Level: High Temperature Failure is detected when it is 276 or lower. Open circuit is detected when it is 1020 or higher. NOTE: The value is not fixed when PH Drawer Interlock is Open.	Fusing
010-202	NC Center Sensor : Difference	Differential output (the difference between the detected / compensated values x 10)	Normal Output Range: 0 to 992 Failure Determination Level: High Temperature Failure is detected when it is 992 or higher When Compensation AD value - Detected AD value is \geq Differential AD value / 5 and Compensation AD value - Detected AD value $>$ 16, Differential Amplifier Failure is detected NOTE: The value is not fixed when PH Drawer Interlock is Open.	Fusing
010-203	NC Rear Sensor : Inf	The detected temperature at the Heat Roll Rear.	Normal Output Range: 1020 to 242 Failure Determination Level: High Temperature Failure is detected when it is 242 or lower Open circuit is detected when it is 1020 or higher NOTE: The value is not fixed when PH Drawer Interlock is Open.	Fusing
010-204	NC Rear Sensor :Temp	Temperature of the device itself (compensated output)	Normal Output Range: 1020 to 276 Failure Determination Level: High Temperature Failure is detected when it is 276 or lower Open circuit is detected when it is 1020 or higher NOTE: The value is not fixed when PH Drawer Interlock is Open.	Fusing
010-205	NC Rear Sensor : Difference	Differential output (the difference between the detected / compensated values x 10)	Normal Output Range: 0 to 992 Failure Determination Level: High Temperature Failure is detected when it is 992 or higher When Compensation AD value - Detected AD value is \geq Differential AD value / 5, and Compensation AD value - Detected AD value $>$ 16, Differential Amplifier Failure is detected NOTE: The value is not fixed when PH Drawer Interlock is Open.	Fusing
010-206	Heat Roll Thermistor	Displays the detected temperature at the Heat Roll Rear (voltage value between Heat Roll Thermistor) as an AD value.	Normal Output Range: 900 to 350 Failure Determination Level: High Temperature Failure is detected when it is 350 or lower Open circuit is detected when it is 900 or higher	Fusing
010-207	Fusing Unit Harness Type	Displays the resistance value of the Fusing Unit harness condition.	Normal Output Range: 0 to 1023 Standard Fusing Unit: 0 to 127 Thick Paper Fusing Unit: 128 to 255 Envelope Wrinkle-handling Fusing Unit: 256 to 383 Wireless Fusing Unit/Not installed: 896 to 1023 Failure Determination Level: Other than above	Fusing

Table 1 DC140 Analog Monitor

Chain-Link	Component Name	Description	CE Corrective Action	Module Name
010-208	Out ENV Sensor	Displays the external temperature sensor value as an AD value.	When NVM "Temp_Fail_CNTR" counts up, the value of external sensor output is abnormal. Using NVM "Temp_SNSR_Fail" value, perform the following action: 1. Check the External Sensor Circuit System for open circuits 2. Check the External Sensor Circuit System for short circuits If no open circuits and short circuits are found, replace the External Sensor. When the Ref. External Sensor has a failure, Fusing Temperature Adjustment is not performed in the environment at 20 Degrees Celsius or lower.	Fusing
010-209	Humidity Sensor (Not in use)	Displays the humidity value as an AD value.	Normal Output Range: 1 to 3V (204 to 613) Failure Determination Level: Out of the normal output range	Fusing
010-210	Fusing Unit Paper Width	Displays the Fusing Unit paper width judgment as an AD value.	Normal Output Range: 0 to 100 Failure Determination Level: Out of the normal output range	Fusing
010-211	V_IN Sense Signal	Displays the MC power voltage monitor value as an AD value.		Fusing
042-200	Belt Edge Sensor	Displays the AD value for the Belt Edge Sensor when the Belt Edge LED is ON. (At start: Starts to obtain the AD value after turning ON the Belt Edge LED. At stop: Stops obtaining the AD value and then turns OFF the Belt Edge LED.)	Normal Output Range: 0 to 1023 <ul style="list-style-type: none"> • IBT Belt axis direction position = Rear side: 0 ~ 171 (Moves the Edge Sensor Actuator displacement towards the Rear up to the Max.) • IBT Belt axis direction position = Center +/-0.5 mm: 341 ~ 683 (The Edge Sensor Actuator is almost vertical.) • IBT Belt axis direction position = Front side: 852 ~ 1023 (Moves the Edge Sensor Actuator displacement towards the Front up to the Max such that the Actuator no longer contacts the IBT Belt.) Failure Determination Level: Out of the above range Presumed cause for failure: <ul style="list-style-type: none"> • The Edge Sensor has dirty light receptor surface or failure • Elec Harness/MCU PWB operation failure Corrective action at failure: <ul style="list-style-type: none"> • Clean or replace the Edge Sensor • Check the Elec Harness connection or replace it • Replace the MCU PWB 	Drive

Table 1 DC140 Analog Monitor

Chain-Link	Component Name	Description	CE Corrective Action	Module Name
071-200	Tray 1 Paper Size Sensor Signal	Displays the AD value for Tray 1 paper size.	<p>Normal Output Range: 0 to 1023</p> <ul style="list-style-type: none"> • When A4 LEF is loaded: 304 ~ 365 • When B5 SEF is loaded: 735 ~ 796 • When Tray is pulled out: 922 ~ 989 • Sensor failure: 990 ~ 1023 <p>Failure Determination Level: Out of the above range Presumed cause for failure:</p> <ul style="list-style-type: none"> • Size SW operation failure at the appropriate tray • Size detection mechanism failure at the appropriate tray • Elec Harness/Circuit Board operation failure • Software failure <p>Corrective action at failure:</p> <ul style="list-style-type: none"> • Replace the Size SW for the appropriate tray • Replace the Size detection mechanism at the appropriate tray • Replace the Elec Harness and Circuit Board 	P/H
072-200	Tray 2 Paper Size Sensor Signal	Displays the AD value for Tray 2 paper size.	<p>Normal Output Range: 0 to 1023</p> <ul style="list-style-type: none"> • When A4 LEF is loaded: 304 ~ 365 • When B5 SEF is loaded: 735 ~ 796 • When Tray is pulled out: 922 ~ 989 • Sensor failure: 990 ~ 1023 <p>Failure Determination Level: Out of the above range Presumed cause for failure:</p> <ul style="list-style-type: none"> • Size SW operation failure at the appropriate tray • Size detection mechanism failure at the appropriate tray • Elec Harness/Circuit Board operation failure • Software failure <p>Corrective action at failure:</p> <ul style="list-style-type: none"> • Replace the Size SW for the appropriate tray • Replace the Size detection mechanism at the appropriate tray • Replace the Elec Harness and Circuit Board 	P/H

Table 1 DC140 Analog Monitor

Chain-Link	Component Name	Description	CE Corrective Action	Module Name
073-200	Tray 3 Paper Size Sensor Signal	Displays the AD value for Tray 3 paper size.	<p>Normal Output Range: 0 to 1023</p> <ul style="list-style-type: none"> • When A4 LEF is loaded: 304 ~ 365 • When B5 SEF is loaded: 735 ~ 796 • When Tray is pulled out: 922 ~ 989 • Sensor failure: 990 ~ 1023 <p>Failure Determination Level: Out of the above range Presumed cause for failure:</p> <ul style="list-style-type: none"> • Size SW operation failure at the appropriate tray • Size detection mechanism failure at the appropriate tray • Elec Harness/Circuit Board operation failure • Software failure <p>Corrective action at failure:</p> <ul style="list-style-type: none"> • Replace the Size SW for the appropriate tray • Replace the Size detection mechanism at the appropriate tray • Replace the Elec Harness and Circuit Board 	P/H
075-200	MSI Size Sensor	Displays the AD value of MSI Size Sensor.	<p>Normal Output Range: 0 to 1023</p> <p>Failure Determination Level: Out of the above range, no changes at 20 or lower Presumed cause for failure: MSI Size Sensor operation failure Corrective action at failure: Check the operation of the MSI Size Sensor (check for hardware failures / Sensor output AD value). If "NG", replace the MSI Size Sensor.</p>	P/H
089-200	In (Rear) MOB Sensor	MOB Sensor: Displays the Analog Monitor voltage at IN. (At start: Start to obtain the analog value after turning ON the MOB LED. At stop: Stops obtaining the analog value and then turns OFF the MOB LED.)	<p>(Condition: Start the Analog Monitor with a sheet of paper inserted between the MOB Sensor and the IBT Belt.) Failure Determination Level: 93 (Equivalent to analog amplitude of 0.3V) If the level exceeds the above failure determination level, it will be judged as an error. In that case, perform the following actions.</p> <ul style="list-style-type: none"> • 1. Remove the Sensor Assy from the IOT and visually check the In (Rear) MOB Sensor itself. • 2a. (If it is found to have Toner contamination) Clean it and then check the Analog Monitor and the displayed value again. • 2b. (If the visual check reveals no problem) Replace the Sensor. <p>(For details, refer to the FIP)</p>	RegiCon
089-201	Center MOB Sensor	MOB Sensor: Displays the Analog Monitor voltage at CENTER. (At start: Start to obtain the analog value after turning ON the MOB LED. At stop: Stops obtaining the analog value and then turns OFF the MOB LED.)	<p>(Condition: Start the Analog Monitor with a sheet of paper inserted between the MOB Sensor and the IBT Belt.) Failure Determination Level: 93 (Equivalent to analog amplitude of 0.3V) If the level exceeds the above failure determination level, it will be judged as an error. In that case, perform the following actions.</p> <ul style="list-style-type: none"> • 1. Remove the Sensor Assy from the IOT and visually check the Center MOB Sensor itself. • 2a. (If it is found to have Toner contamination) Clean it and then check the Analog Monitor and the displayed value again. • 2b. (If the visual check reveals no problem) Replace the Sensor. <p>(For details, refer to the FIP)</p>	RegiCon

Table 1 DC140 Analog Monitor

Chain-Link	Component Name	Description	CE Corrective Action	Module Name
089-202	Out (Front) MOB Sensor	<p>MOB Sensor: Displays the Analog Monitor voltage at OUT. (At start: Start to obtain the analog value after turning ON the MOB LED. At stop: Stops obtaining the analog value and then turns OFF the MOB LED.)</p>	<p>(Condition: Start the Analog Monitor with a sheet of paper inserted between the MOB Sensor and the IBT Belt.) Failure Determination Level: 93 (Equivalent to analog amplitude of 0.3V) If the level exceeds the above failure determination level, it will be judged as an error. In that case, perform the following actions.</p> <ul style="list-style-type: none"> • 1. Remove the Sensor Assy from the IOT and visually check the Out (Front) MOB Sensor itself. • 2a. (If it is found to have Toner contamination) Clean it and then check the Analog Monitor and the displayed value again. • 2b. (If the visual check reveals no problem) Replace the Sensor. <p>(For details, refer to the FIP)</p>	RegiCon

6.3.4.1 DC135 HFSI Counters (IOT)

Table 1 DC135 HFSI Counters (IOT)

Chain-Link	HFSI Name	HFSI Counter Report Name	Detailed Description	Unit	Count Condition	Standard Value	Module Name
954-800	Drum Cartridge Y	Drum Cartridge Y	No. of rotations of Drum Cartridge Y (PV conversion)	1 (PV)	Performs PV conversion on the number of Drum Cycles at Power ON, Job completion, Marking Drawer Close, and NVM Initialization for counting up.	158,000	Xero
954-801	Drum Cartridge M	Drum Cartridge M	No. of rotations of Drum Cartridge M (PV conversion)	1 (PV)	Performs PV conversion on the number of Drum Cycles at Power ON, Job completion, Marking Drawer Close, and NVM Initialization for counting up.	158,000	Xero
954-802	Drum Cartridge C	Drum Cartridge C	No. of rotations of Drum Cartridge C (PV conversion)	1 (PV)	Performs PV conversion on the number of Drum Cycles at Power ON, Job completion, Marking Drawer Close, and NVM Initialization for counting up.	158,000	Xero
954-803	Drum Cartridge K	Drum Cartridge K	No. of rotations of Drum Cartridge K (PV conversion)	1 (PV)	Performs PV conversion on the number of Drum Cycles at Power ON, Job completion, Marking Drawer Close, and NVM Initialization for counting up.	373,000	Xero
954-805	Developer Housing Assy/ Developing Powder Y	Developer Housing Y	Usage time of the Developer Housing Assy/Developing Powder Y (PV conversion)	1 [PV]	Counts up when the Developer stops Performs PV conversion of the Deve Motor On time for counting up.	1500000	Deve
954-806	Developer Housing Assy/ Developing Powder M	Developer Housing M	Usage time of the Developer Housing Assy/Developing Powder M (PV conversion)	1 [PV]	Counts up when the Developer stops Performs PV conversion of the Deve Motor On time for counting up.	1500000	Deve
954-807	Developer Housing Assy/ Developing Powder C	Developer Housing C	Usage time of the Developer Housing Assy/Developing Powder C (PV conversion)	1 [PV]	Counts up when the Developer stops Performs PV conversion of the Deve Motor On time for counting up.	1500000	Deve
954-808	Developer Housing Assy/ Developing Powder K	Developer Housing K	Usage time of the Developer Housing Assy/Developing Powder K (PV conversion)	1 [PV]	Counts up when the Developer stops Performs PV conversion of the Deve Clutch On time for counting up.	1500000	Deve
954-813	2ndBTR Unit	2ndBTR Unit	Operation count of 2nd BTR (PV conversion)	1 [PV]	Counts up when paper passes through the Secondary Transfer Unit Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2 * When the paper size is unknown for the above condition, apply +2.	300000	Xfer
954-814	IBT Belt	IBT Belt	Operation count of IBT Belt (PV conversion)	1 [PV]	Counts up when an image passes through the Secondary Transfer Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2 * When the paper size is unknown for the above condition, apply +2.	600000	Xfer

Table 1 DC135 HFSI Counters (IOT)

Chain-Link	HFSI Name	HFSI Counter Report Name	Detailed Description	Unit	Count Condition	Standard Value	Module Name
954-815	IBT Cleaner Assembly	IBT Belt CLN Assy	IBT Belt Cleaner ON Count (PV conversion)	1 [PV]	Counts up when paper passes through the Secondary Transfer Unit Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2 * When the paper size is unknown for the above condition, apply +2.	300000	Xfer
954-816	CC Filter	CC Filter	Operation time of CC Filter (PV conversion)	1 [PV]	Counts up when paper passes through the Fusing Unit (only Duplex Side 1) and when paper is output (for both Simplex and Duplex). Paper length in Process direction is shorter than 216.0 mm: BW/+1, FC/+2 Paper length in Process direction is 216.0 mm or longer: BW/+2, FC/+4	280000	Drive&NO HAD
954-817	Ozone Filter Assembly	Suction Filter	Operation time of Ozone Filter and Suction Filter (PV conversion)	1 [PV]	Counts up when paper passes through the Fusing Unit (only Duplex Side 1) and when paper is output (for both Simplex and Duplex). Paper length in Process direction is shorter than 216.0 mm: BW/+1, FC/+2 Paper length in Process direction is 216.0 mm or longer: BW/+2, FC/+4	840000	Drive&NO HAD
954-818	Fusing Filter (Unused)	Fusing Ozone Filter	Operation time of Fusing Filter (PV conversion)	1 [PV]	Counts up when paper passes through the Fusing Unit (only Duplex Side 1) and when paper is output (for both Simplex and Duplex). Paper length in Process direction is shorter than 216.0 mm: BW/+1, FC/+2 Paper length in Process direction is 216.0 mm or longer: BW/+2, FC/+4	800000	Drive&NO HAD
954-819	Standard Fusing Unit (Paper Width Setting 0)	Standard Fusing 0	No. of sheets that passed through the Fusing Unit (Standard Fusing Unit (Paper Width Setting 0)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-820	Tray1 Feed/Retard/Nudger Roll	T1 F/R/N Roll	No. of sheets fed to Tray1 Feed Roll, Tray1 Retard Roll, and Tray1 Nudger Roll	1 [sheets]	Counts up at feeding from Tray 1.	300000	P/H
954-821	Tray2 Feed/Retard/Nudger Roll	T2 F/R/N Roll	No. of sheets fed through Tray 2 Feed Roll, Tray 2 Retard Roll, and Tray 2 Nudger Roll	1 [sheets]	Counts up at feeding from Tray 2.	300000	P/H
954-822	Tray3 Feed/Retard/Nudger Roll	T3 F/R/N Roll	No. of sheets fed to Tray3 Feed Roll, Tray3 Retard Roll, and Tray3 Nudger Roll	1 [sheets]	Counts up at feeding from Tray 3	300000	P/H

Table 1 DC135 HFSI Counters (IOT)

Chain-Link	HFSI Name	HFSI Counter Report Name	Detailed Description	Unit	Count Condition	Standard Value	Module Name
954-823	MSI Feed/Retard/Nudger Roll (Including w/ HCF)	MSI F/R/N Roll	No. of sheets fed through the MSI Feed Roll, MSI Retard Roll, and MSI Nudger Roll	1 [sheets]	Counts up at feeding from MSI (regardless of w/ or w/o HCF).	300000	P/H
954-826	Takeaway Roll 1	Takeaway Roll 1	No. of sheets that passed through the Takeaway Roll 1 (immediately after Tray 1 Feeder)	1 [sheets]	Counts up at feeding from Tray 1 and HCF 1 Tray.	1500000	P/H
954-827	Takeaway Roll 2	Takeaway Roll 2	No. of sheets that passed through the Takeaway Roll 2 (immediately after Tray 2 Feeder)	1 [sheets]	Counts up at feeding from Tray 2.	1500000	P/H
954-828	Takeaway Roll 3	Takeaway Roll 3	No. of sheets that passed through the Takeaway Roll 3 (immediately after Tray 3 Feeder)	1 [sheets]	Counts up at feeding from Tray 3	1500000	P/H
954-829	MSI Takeaway Roll	MSI Takeaway Roll	No. of sheets that passed through the MSI Takeaway Roll.	1 [sheets]	Counts up at feeding from MSI, 2000B1 HCF (Tray, MSI), 4000C1 HCF (Tray, MSI), and 4000C2 HCF (Tray, MSI).	300000	P/H
954-832	Takeaway Clutch 1	Takeaway Clutch 1	No. of Takeaway Clutch 1 ON/OFF	1 [sheets]	Counts up at feeding from Tray 1 to 3 and HCF 1 Tray.	1500000	P/H
954-833	Takeaway Clutch 2	Takeaway Clutch 2	No. of Takeaway Clutch 2 ON/OFF	1 [sheets]	Counts up at feeding from Tray 2 and 3.	1500000	P/H
954-834	Takeaway Clutch 3	Takeaway Clutch 3	No. of Takeaway Clutch 3 ON/OFF	1 [sheets]	Counts up at feeding from Tray 3	1500000	P/H
954-835	Tray1 Feeder Unit	T1 Feed Unit	No. of feedings from Tray 1 Feeder Unit	1 [sheets]	Counts up at feeding from Tray 1.	1500000	P/H
954-836	Tray2 Feeder Unit	T2 Feed Unit	No. of feedings from Tray2 Feeder Unit	1 [sheets]	Counts up at feeding from Tray 2.	1500000	P/H
954-837	Tray3 Feeder Unit	T3 Feed Unit	No. of feedings from Tray3 Feeder Unit	1 [sheets]	Counts up at feeding from Tray 3	1500000	P/H
954-838	MSI Feeder Unit (Including w/ HCF)	MSI Feed Unit	No. of sheets fed from the MSI Feeder Unit	1 [sheets]	Counts up at feeding from MSI (regardless of w/ or w/o HCF).	1500000	P/H
954-846	IOT Decurler Assy	IOT Decurler Assy	No. of sheets that passed through the IOT Decurler Assy	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	300000	Fusing
954-850	Thick Paper Fusing Unit (Paper Width Setting 0)	Thick Paper Fusing 0	No. of sheets that passed through the Fusing Unit (Thick Paper Fusing Unit (Paper Width Setting 0)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-851	Envelope Fusing Unit	Envelope Fusing	No. of sheets that passed through the Fusing Unit (Envelope Fusing Unit).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing

Table 1 DC135 HFSI Counters (IOT)

Chain-Link	HFSI Name	HFSI Counter Report Name	Detailed Description	Unit	Count Condition	Standard Value	Module Name
954-857	Standard Fusing Unit (Paper Width Setting 1)	Standard Fusing 1	No. of sheets that passed through the Fusing Unit (Standard Fusing Unit (Paper Width Setting 1)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-858	Standard Fusing Unit (Paper Width Setting 2)	Standard Fusing 2	No. of sheets that passed through the Fusing Unit (Standard Fusing Unit (Paper Width Setting 2)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-859	Standard Fusing Unit (Paper Width Setting 3)	Standard Fusing 3	No. of sheets that passed through the Fusing Unit (Standard Fusing Unit (Paper Width Setting 3)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-860	Standard Fusing Unit (Paper Width Setting 4)	Standard Fusing 4	No. of sheets that passed through the Fusing Unit (Standard Fusing Unit (Paper Width Setting 4)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-861	Standard Fusing Unit (Paper Width Setting 5)	Standard Fusing 5	No. of sheets that passed through the Fusing Unit (Standard Fusing Unit (Paper Width Setting 5)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-862	Standard Fusing Unit (Paper Width Setting 6)	Standard Fusing 6	No. of sheets that passed through the Fusing Unit (Standard Fusing Unit (Paper Width Setting 6)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-863	Standard Fusing Unit (Paper Width Setting 7)	Standard Fusing 7	No. of sheets that passed through the Fusing Unit (Standard Fusing Unit (Paper Width Setting 7)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-864	Thick Paper Fusing Unit (Paper Width Setting 1)	Thick Paper Fusing 1	No. of sheets that passed through the Fusing Unit (Thick Paper Fusing Unit (Paper Width Setting 1)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-865	Thick Paper Fusing Unit (Paper Width Setting 2)	Thick Paper Fusing 2	No. of sheets that passed through the Fusing Unit (Thick Paper Fusing Unit (Paper Width Setting 2)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing

Table 1 DC135 HFSI Counters (IOT)

Chain-Link	HFSI Name	HFSI Counter Report Name	Detailed Description	Unit	Count Condition	Standard Value	Module Name
954-866	Thick Paper Fusing Unit (Paper Width Setting 3)	Thick Paper Fusing 3	No. of sheets that passed through the Fusing Unit (Thick Paper Fusing Unit (Paper Width Setting 3)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-867	Thick Paper Fusing Unit (Paper Width Setting 4)	Thick Paper Fusing 4	No. of sheets that passed through the Fusing Unit (Thick Paper Fusing Unit (Paper Width Setting 4)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-868	Thick Paper Fusing Unit (Paper Width Setting 5)	Thick Paper Fusing 5	No. of sheets that passed through the Fusing Unit (Thick Paper Fusing Unit (Paper Width Setting 5)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-869	Thick Paper Fusing Unit (Paper Width Setting 6)	Thick Paper Fusing 6	No. of sheets that passed through the Fusing Unit (Thick Paper Fusing Unit (Paper Width Setting 6)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing
954-870	Thick Paper Fusing Unit (Paper Width Setting 7)	Thick Paper Fusing 7	No. of sheets that passed through the Fusing Unit (Thick Paper Fusing Unit (Paper Width Setting 7)).	1 [PV]	Counts up when paper passes through the Fusing Unit. Paper length in Process direction is shorter than 216.0 mm: BW, FC/+1 Paper length in Process direction is 216.0 mm or longer: BW, FC/+2	200000	Fusing

6.3.4.2 DC135 HFSI Counters (DADF-250 Color)

Table 1 DC135 HFSI Counters (DADF-250 Color)

Chain-Link	HFSI Name	Detailed Description	Unit	Count Condition	Setting Range	Default Value	Replacement Interval	Module Name
955-806	Document Feed (CVT DADF machine)	No. of sheets fed from the CVT Tray The NVM is controlled by the CVT	1 (Feed)	Counts up when the Feed Sensor turns ON HFSI -> Document Feed count after clearing HFSI Counter Recycle -> Total Document Feed count without clearing Counts up at the start of feeding from the Tray	0~5,000,000	0	200,000	DADF
955-807	Document Feed Simp (CVT DADF machine)	The NVM is controlled by the CVT * Life is common to 955-808	1 (Feed)	Counts the no. of document sheets fed in Simplex mode Counts up when the #1 Exit Snr turns OFF for the paper that has been fed from the tray	0~5,000,000	0	3,888,000	DADF
955-808	Document Feed Dup (CVT DADF machine)	The NVM is controlled by the CVT * Life is common to 955-807	1 (Feed)	Counts the no. of document pages fed in Duplex mode Counts up at #1 Exit Snr Off during Duplex transport and at Regi Snr On during Invert	0~5,000,000	0	3,888,000	DADF
955-810	Platen Open/Close Count (CVT DADF machine)	Belt/CVT judgement is processed in the IISS The NVM is controlled by the CVT	1 (Feed)	Counts up when the Platen Interlock opens	0~1,000,000	0	432,000	DADF
955-820	Nudger Solenoid ON Count	CVT The NVM is controlled by the CVT	1 (Feed)	Counts up when the Nudger Solenoid turns ON	0~1,000,000	0	324000	DADF
955-822	Baffle Solenoid ON Count	CVT The NVM is controlled by the CVT	1 (Feed)	Counts up when the Buffle Solenoid turns ON	0~3,000,000	0	3888000	DADF
955-824	Simp/Dup Gate Solenoid ON Count (Suction End) (DADF-250 Only)	CVT The NVM is controlled by the CVT	1 (time)	Counts up when the Simp/Dup Gate Solenoid Suction End turns ON	0~2,000,000	0	324000	DADF
955-825	Simp/Dup Gate Solenoid ON Count (Restoring End) (DADF-250 Only)	CVT The NVM is controlled by the CVT	1 (time)	Counts up when the Simp/Dup Gate Solenoid Restoring End turns ON	0~2,000,000	0	324000	DADF
955-826	Nip Release Solenoid ON Count (DADF-250 Only)	CVT The NVM is controlled by the CVT	1 (time)	Counts up when the Nip Release Solenoid turns ON	0~1,000,000	0	1296000	DADF
955-827	Exit Gate Solenoid ON Count (DADF-250 Only)	CVT The NVM is controlled by the CVT	1 (time)	Counts up when the Exit Gate Solenoid turns ON	0~1,000,000	0	1296000	DADF
955-828	Feed Clutch ON Count	CVT The NVM is controlled by the CVT	1 (Feed)	Counts up when the Feed Clutch turns ON	0~5,000,000	0	6480000	DADF
955-832	Feed Cover Open Count	CVT The NVM is controlled by the CVT	1 (Feed)		0~1,000,000	0	100000	DADF

6.3.4.3 DC135 HFSI Counters (IISS)

Table 1 DC135 HFSI Counters (IISS)

Chain-Link	HFSI Name	Detailed Description	Unit	Count Condition	Setting Range	Default Value	Replacement Interval	Module Name
956-802	IIT Scan	This is used during Recycle. Max count value = 6,000,000 times and above HFSI -> Scan count after clearing HFSI Counter Recycle -> Total Scan count without clearing	Times	At Platen Scan. (includes PlatenPreScan, but excludes CVT Scan) Counts up with each scan.	0~6,881,175	0	6,000,000	IISS
956-803	Lamp ON Time	This is used during Recycle. Max count value = 7,200,000 s and above Counts the total duration when the lamp is ON (including AGOC, LampCheck). HFSI -> Lamp ON time after clearing HFSI Counter Recycle -> Total Lamp ON time without clearing	Seconds	When Lamp turns ON: time count starts. When Lamp turns OFF: time count stops.	0~7,864,200	0	7,200,000	IISS
956-804	Lamp ON Count	This is used during Recycle. Max count value = 6,000,000 times and above Counts the no. of times the lamp turns ON (including AGOC, LampCheck).	Times	When Lamp turns ON.	0~6,881,175	0	6,000,000	IISS

6.3.4.4 DC135 HFSI Counters (IF Module)

Table 1 DC135 HFSI Counters (IF Module)

Chain-Link	HFSI Name	Detailed Description	Unit	Count Condition	Setting Range	Replacement Interval	Module Name
959-800	I/F Decurler Belt Periodic Replacement	The life of the I/F Module Decurler Belt Counted by the no. of sheets of paper that had passed through the I/F Gate In Sensor	1 sheets	Counted by the no. of sheets of paper that had passed through the I/F Gate In Sensor	0~6000000	6,000,000	I/F Module

6.3.4.5 DC135 HFSI Counters (HCS 1)

Table 1 DC135 HFSI Counters (HCS 1)

Chain-Link	HFSI Name	Detailed Description	Unit	Count Condition	Setting Range	Replacement Interval	Module Name
960-800	High Capacity Stacker Output Paddle Life	The current life of the High Capacity Stacker Output Paddle	1 [PV]	The no. of sheets output to the Stacker (No. of sheets that used the Paddle)	0~10000000	10000000	HCS 1

6.3.5.1 DC612 Print Test Pattern

NOTE: If the NVM prerequisite for a test pattern is wrong, the message: [The parameter is incorrect. Please enter again.] is displayed and the Print Test Pattern cannot be performed. In this cases, change the NVM value that is different from the NVM setting specified for the test pattern and try again.

- *1: The applicable paper size when selecting a Tray is A4 SEF, A4 LEF, A3 SEF, B4 SEF, 8.5x11" (Letter) SEF, 8.5x11" (Letter) LEF, and 11x17" (Ledger) SEF.
- *2: Standard sizes (with K/O Tools) and Non-standard sizes (by entering a size) are available for the MSI. However, Paper Size (Standard) Settings is required. B5 LEF cannot be selected in NVM 870-211 Paper Size (Standard) Settings (5 = A4 LEF (Default), 0 (A6 SEF) - 50 (Kakuhei 6 (Envelope) LEF)) and during the Diag. To use B5 LEF, select one of the various Tray.
- *3: K (Black) is the Black in FC Mode while BW (Black & White) is the Black in BW Mode.
- *4: NVM 870-209 Density Settings (0 (Default) to 100%).
- *5: NVM 870-203 1 Sided Output/2 Sided Output Settings (0 = 1 Sided (Default), 1 = 2 Sided (Head to Head), 2 = 2 Sided (Head to Toe)).
- *6: NVM 870-207 Screen Settings (2 = Binary ED, 5 = 600, 6 = 300, 7 = 200C (Default), 8 = 200R, 9 = 150, 12 = Gray Font (1200)).
- *7: NVM 870-210 Resolution Settings (0 = 1200x1200, 2 = 600x600 (Default)).
- *8: Gray Font (1200) will be used regardless of the screen that is selected.
- *9: 4 colors are available but the K color is not selectable.
- *10: Follows the selection for the UI Calibration.
- *11: NVM 870-208 LUT Settings (0 = All OFF, 1 = IOT ON, 2 = Calibration ON, 3 = IOT & Calibration ON (Default)).
 - The IOT LUT is made up of the combined ADC Calibration LUT and TRC Adjustment LUT, while the ON/OFF of the TRC Adjustment LUT portion follows the selection for TRC Adjustment at the UI.
- *12: The combination of Output Color and Cin (%) relations are restricted as follows to keep the total Cin (%) at 240% and lower. If it exceeds 240%, a message indicating that the input value is not within the valid range appears and prompts the User to input again.
 - FC (4 colors): 60% or lower (because $240/4 = 60$)
 - FC (3 colors): 80% or lower (because $240/3 = 80$)
 - BW 100% or lower: (although $240/1 = 240$, the Max value that can be set from the UI is 100%)
 - YMCK Color 100% or lower: (although $240/1 = 240$, the Max value that can be set from the UI is 100%)
 - RGB Color 100% or lower: (although $240/2 = 120$, the Max value that can be set from the UI is 100%)

Table 1 DC612 Print Test Pattern

Pattern Number	Name	Purpose/Overview	Quantity	Tray*1	Paper Size when using MSI*2	Paper Type when using Bypass (Paper Type)	Output Color*3	Cin (%)*4	Simp/Dup*5	Image Size	Screen *6	Resolution *7	Calibration LUT*11	IOT LUT *11	NVM Settings Value	Image Storage Sub
1	Grid 45 Degrees	For checking the reproducibility of diagonal lines	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Input the size when MSI is selected. The sizes are as follows: A4 LEF, A4 SEF, B4 SEF, A3 SEF, Letter LEF, Letter SEF, Ledger SEF (11x17")	Paper Type: Uncoated, Coated, Recycled, Hole Punched, Tab Stock, Labels, Transparency, Transfer Paper, Postcard, Uncoated (Side 2), Coated (Side 2), Custom Paper Type, Tack Film (Adhesive). Paper Weight: Not fixed, 64-80 gsm, 81-90 gsm, 91-105 gsm, 106-128 gsm, 129-150 gsm, 151-176 gsm, 177-220 gsm, 221-256 gsm, 257-300 gsm.	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	Gray Font (1200)*8	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(12)	IOT
2	Grid (for fold position adjustment)	Fold position adjustment	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
3	Grid (90 Degrees) - 102	Alignment measurement	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
4	Grid (90 Degrees) - 204	Alignment measurement	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	600C *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
5	Grid (90 Degrees) - 208	Alignment measurement	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	600C *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT

Table 1 DC612 Print Test Pattern

Pattern Number	Name	Purpose/Overview	Quantity	Tray*1	Paper Size when using MSI*2	Paper Type when using Bypass (Paper Type)	Output Color*3	Cin (%)*4	Simp/Dup*5	Image Size	Screen *6	Resolution *7	Calibration LUT*11	IOT LUT *11	NVM Settings Value	Image Storage Sub
6	Grid (diagonal) - 101	For checking the reproducibility of diagonal lines	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150*8	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
7	Grid (diagonal) - 102	For checking the reproducibility of diagonal lines	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150*8	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
8	Grid (90 Degrees) - Both Sides	Dual registration measurement	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
9	PH Regi	Alignment check	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150*8	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
10	4-corner Patch	Automatic alignment adjustment	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, BW	-	S/D	A3 SEF	600C *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
11	Color Regi (for measurement)	Color Regi measuring instrument measurement	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT

Table 1 DC612 Print Test Pattern

Pattern Number	Name	Purpose/Overview	Quantity	Tray*1	Paper Size when using MSI*2	Paper Type when using Bypass (Paper Type)	Output Color*3	Cin (%)*4	Simp/Dup*5	Image Size	Screen *6	Resolution *7	Calibration LUT*11	IOT LUT *11	NVM Settings Value	Image Storage Sub
12	Banding	Banding check	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
13	TED/Starvation	TED/Starvation check	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A4 LEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
14	Calibration (for correction)	Calibration (correction)	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A4 LEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
15	Calibration (for checking)	Calibration (checking)	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A4 LEF	*600 *300 200C 200R *150	-	ON, OFF*10	ON	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
16	ProCon	Process Control, Gradation, Defect detection	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A4 LEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
17	16-Gradation	Gradation, Defect detection	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT

Table 1 DC612 Print Test Pattern

Pattern Number	Name	Purpose/Overview	Quantity	Tray*1	Paper Size when using MSI*2	Paper Type when using Bypass (Paper Type)	Output Color*3	Cin (%)*4	Simp/Dup*5	Image Size	Screen *6	Resolution *7	Calibration LUT*11	IOT LUT *11	NVM Settings Value	Image Storage Sub
18	21-Gradation (for calibration)	Calibration (same function as CPS)	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	•600 •300 200C 200R •150	-	OFF	ON	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
19	All Halftone	Defect detection	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	0~100 *12	S/D	A3 SEF	•600 •300 200C 200R •150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
20	In-Out Adjustment (Primary Color)	In-Out Adjustment (all primary colors)	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	•600 •300 200C 200R •150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
21	In-Out Adjustment (Secondary/Process Color)	In-Out Adjustment (all secondary/process colors)	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	•600 •300 200C 200R •150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
22	In-Out Adjustment (Single Color)	In-Out Adjustment (for each color)	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	•600 •300 200C 200R •150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
23	Highlight Adjustment	Highlight adjustment, reproducibility check	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A4 LEF	•600 •300 200C 200R •150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT

Table 1 DC612 Print Test Pattern

Pattern Number	Name	Purpose/Overview	Quantity	Tray*1	Paper Size when using MSI*2	Paper Type when using Bypass (Paper Type)	Output Color*3	Cin (%)*4	Simp/Dup*5	Image Size	Screen *6	Resolution *7	Calibration LUT*11	IOT LUT *11	NVM Settings Value	Image Storage Sub
24	ATCN24	Gradation check	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
25	Gradation	Tone Jump, Gradation check	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
26	SS Direction Adjustment (YC)	Density adjustment in SS direction (YC)	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
27	SS Direction Adjustment (MK)	Density adjustment in SS direction (MK)	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
28	IT8	Gradation, color reproducibility	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A4 LEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
29	X'fer Voltage Setup Pattern	Secondary Transfer output value adjustment	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT

Table 1 DC612 Print Test Pattern

Pattern Number	Name	Purpose/Overview	Quantity	Tray*1	Paper Size when using MSI*2	Paper Type when using Bypass (Paper Type)	Output Color*3	Cin (%)*4	Simp/Dup*5	Image Size	Screen *6	Resolution *7	Calibration LUT*11	IOT LUT *11	NVM Settings Value	Image Storage Sub
30	Custom Paper Type Adjustment	Secondary Transfer output value, alignment adjustment	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Same as above	Same as above	Y, M, C, K, R, G, B, 3C, 4C, BW	-	S/D	A3 SEF	*600 *300 200C 200R *150	-	OFF	OFF	*2: 870-211(0-50) *5: 870-203(0, 1, or 2) *6: 870-207(5, 6, 7, 8, or 9)	IOT
52	Total Chart	Adjusted at shipment inspection and on the spot. Used for isolating problems.	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Input the size when MSI is selected. The sizes are as follows: A4 LEF, A4 SEF, B4 SEF, A3 SEF, Letter LEF, Letter SEF, Ledger SEF (11x17")	Paper Type: Uncoated, Coated, Recycled, Hole Punched, Tab Stock, Labels, Transparency, Transfer Paper, Postcard, Uncoated (Side 2), Coated (Side 2), Custom Paper Type, Tack Film (Adhesive). Paper Weight: Not fixed, 64-80 gsm, 81-90 gsm, 91-105 gsm, 106-128 gsm, 129-150 gsm, 151-176 gsm, 177-220 gsm, 221-256 gsm, 257-300 gsm.	4C	-	S	A3 SEF	-	-	-	-	-	Controller
71	No Paper Run	For specifying No Paper Run function	1-99	Tray 1	-	-	-	-	-	A4 LEF/8.5x11 LEF	-	-	-	-	-	Controller
102	Process Control PG / Binary	Process Control Setup	1-999	Tray 1/2/3/4, Tray 5 (MSI), Tray 6 (HCF 1), Tray 7 (HCF 2)	Input the size when MSI is selected. The sizes are as follows: A4 LEF, A4 SEF, B4 SEF, A3 SEF, Letter LEF, Letter SEF, Ledger SEF (11x17")	Paper Type: Uncoated, Coated, Recycled, Hole Punched, Tab Stock, Labels, Transparency, Transfer Paper, Postcard, Uncoated (Side 2), Coated (Side 2), Custom Paper Type, Tack Film (Adhesive). Paper Weight: Not fixed, 64-80 gsm, 81-90 gsm, 91-105 gsm, 106-128 gsm, 129-150 gsm, 151-176 gsm, 177-220 gsm, 221-256 gsm, 257-300 gsm.	4C	-	S	-	Binary ED	600x600	ON, OFF*10	ON, OFF	*5: 870-203(0) *11: 870-208(0, 1, 2, or 3)	IISS

Table 1 DC612 Print Test Pattern

Pattern Number	Name	Purpose/Overview	Quantity	Tray*1	Paper Size when using MSI*2	Paper Type when using Bypass (Paper Type)	Output Color*3	Cin (%)*4	Simp/Dup*5	Image Size	Screen *6	Resolution *7	Calibration LUT*11	IOT LUT *11	NVM Settings Value	Image Storage Sub
104	Calibration / Binary (for Document Creation)	Calibration	1-999	Same as above	Same as above	Same as above	4C	-	S	-	Binary ED	600x600	OFF	ON, OFF	*5: 870-203(0) *11: 870-208 (0, 1, 2, or 3) Always Calibration OFF	IISS
106	Calibration / Binary (for Gradation Check)	Calibration	1-999	Same as above	Same as above	Same as above	4C	-	S	-	Binary ED	600x600	ON, OFF*10	ON, OFF	*5: 870-203(0) *11: 870-208 (0, 1, 2, or 3)	IISS
108	Highlight PG / Binary	Highlight adjustment	1-999	Same as above	Same as above	Same as above	4C	-	S	-	Binary ED	600x600	ON, OFF*10	ON, OFF	*5: 870-203(0) *11: 870-208 (0, 1, 2, or 3)	IISS
110	IIT Analog Gradation RGB	Analog - PreIPS Connection CHK	1-999	Same as above	Same as above	Same as above	4C (*9)	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
112	IIT Analog Gradation BW	Analog - PreIPS Connection CHK	1-999	Same as above	Same as above	Same as above	BW	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
113	Pre IPS/FS Increment RGB	ESS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	4C (*9)	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
115	Pre IPS/FS Increment BW	ESS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	BW	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
117	Pre IPS/SS Increment RGB	ESS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	4C (*9)	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
119	Pre IPS/SS Increment BW	ESS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	BW	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
121	Pre IPS/Grid BW	ESS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	BW	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
122	Pre IPS/Shading Data Color	Uneven Light Intensity Level, FS Suji CHK	1-999	Same as above	Same as above	Same as above	4C (*9)	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS

Table 1 DC612 Print Test Pattern

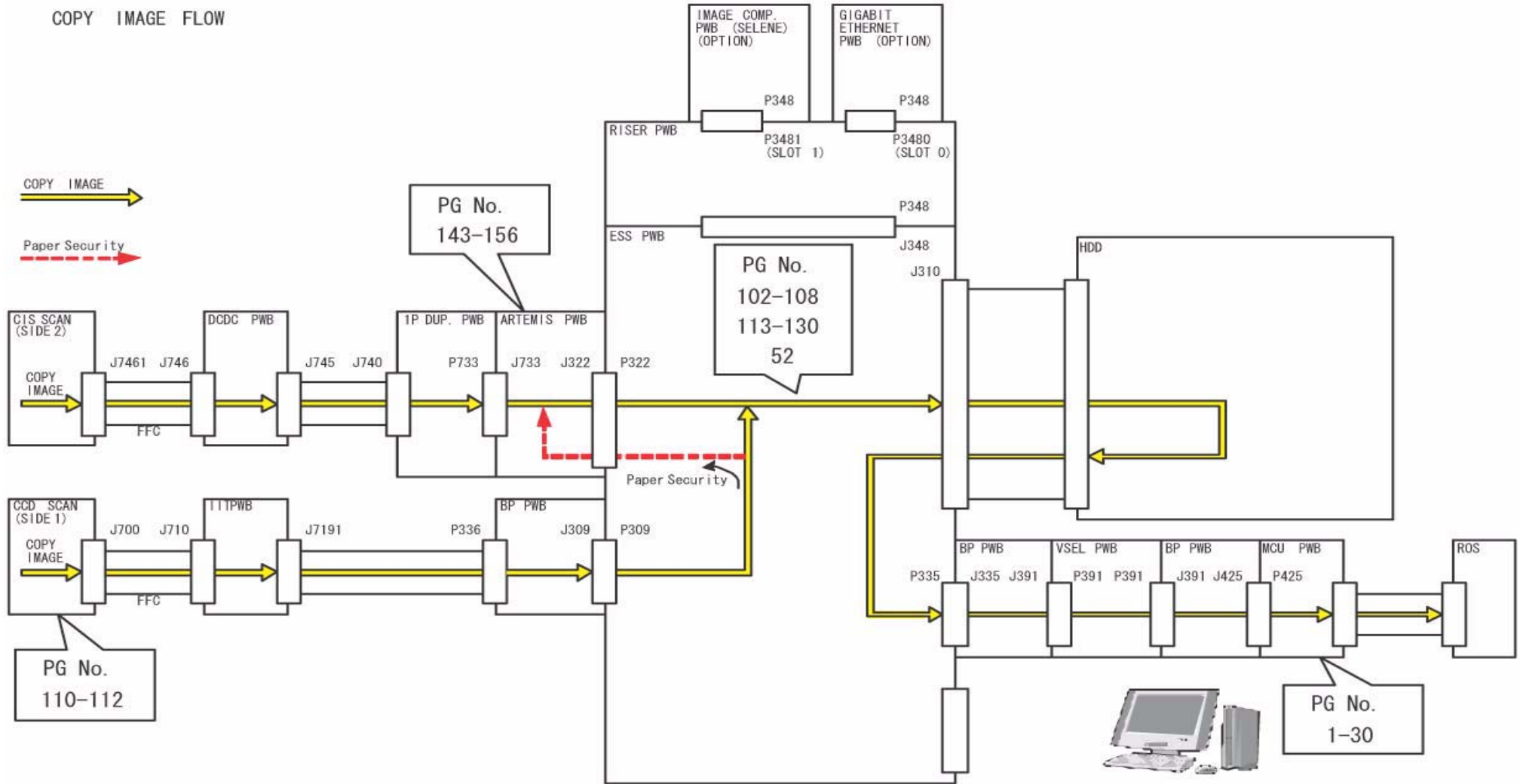
Pattern Number	Name	Purpose/ Overview	Quantity	Tray*1	Paper Size when using MSI*2	Paper Type when using Bypass (Paper Type)	Output Color*3	Cin (%)*4	Simp/ Dup*5	Image Size	Screen *6	Resolution *7	Calibration LUT*11	IOT LUT *11	NVM Settings Value	Image Storage Sub
123	Pre IPS/Shading Data BW	Uneven Light Intensity Level, FS Suji CHK	1-999	Same as above	Same as above	Same as above	BW	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
124	Pre IPS/YMCK Vertical Stripe	ESS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	4C	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
125	Pre IPS/8 Shades Patch	ESS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	4C (*9)	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
126	Pre IPS/Beta	(For Development)	1-999	Same as above	Same as above	Same as above	4C (*9)	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
127	Pre IPS/Grid/4C	(For Development)	1-999	Same as above	Same as above	Same as above	4C	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
128	Post IPS/Grid/BW	(For Development) BW Path CHK	1-999	Same as above	Same as above	Same as above	BW	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
129	Post IPS/FSRE/Grid	ESS PWB IPS PS & LS simultaneous CHK	1-999	Same as above	Same as above	Same as above	4C	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
130	Post IPS/FSRE/Slanted Grid	ESS PWB IPS PS & LS simultaneous CHK	1-999	Same as above	Same as above	Same as above	4C	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
143	Side 2 Scan: Pre IPS/FS Increment RGB	ARTEMIS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	4C (*9)		S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
144	Side 2 Scan: Pre IPS/FS Increment BW	ARTEMIS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	BW		S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
145	Side 2 Scan: Pre IPS/SS Increment RGB	ARTEMIS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	4C (*9)		S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
146	Side 2 Scan: Pre IPS/SS Increment BW	ARTEMIS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	BW		S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
147	Side 2 Scan: Pre IPS/Grid BW	ARTEMIS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	BW		S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS

Table 1 DC612 Print Test Pattern

Pattern Number	Name	Purpose/Overview	Quantity	Tray*1	Paper Size when using MSI*2	Paper Type when using Bypass (Paper Type)	Output Color*3	Cin (%)*4	Simp/Dup*5	Image Size	Screen *6	Resolution *7	Calibration LUT*11	IOT LUT *11	NVM Settings Value	Image Storage Sub
148	Side 2 Scan: Pre IPS/Shading Data Color	Side 2 Scan Uneven Light Intensity Level, FS Suji CHK	1-999	Same as above	Same as above	Same as above	4C (*9)		S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
149	Side 2 Scan: Pre IPS/Shading Data BW	Side 2 Scan Uneven Light Intensity Level, FS Suji CHK	1-999	Same as above	Same as above	Same as above	BW		S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
150	Side 2 Scan: Pre IPS/YMCK Vertical Stripe	ARTEMIS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	4C		S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
151	Side 2 Scan: Pre IPS/8 Shades Patch	ARTEMIS PWB IPS CHK	1-999	Same as above	Same as above	Same as above	4C (*9)		S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
152	Side 2 Scan: Pre IPS/Beta	(For Development)	1-999	Same as above	Same as above	Same as above	4C (*9)	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
153	Side 2 Scan: Pre IPS/Grid/4C	(For Development)	1-999	Same as above	Same as above	Same as above	4C	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
154	Side 2 Scan: Post IPS/Grid/BW	(For Development) BW Path CHK	1-999	Same as above	Same as above	Same as above	BW	-	S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
155	Side 2 Scan: Post IPS/FSRE/Grid	ARTEMIS PWB IPS PS & LS simultaneous CHK	1-999	Same as above	Same as above	Same as above	4C		S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS
156	Side 2 Scan: Post IPS/FSRE/Slanted Grid	ARTEMIS PWB IPS PS & LS simultaneous CHK	1-999	Same as above	Same as above	Same as above	4C		S	-	Binary ED	600x600	-	-	*6: 870-207(2)	IISS

6.3.5.2 Image Information Flow (Overall)

NOTE: Each PG No. in the following image information flow corresponds to the pattern No. in 6.3.5.1 DC612 Test Pattern List.



jOpr61001

Figure 1 jOpr61001

6.3.6 NVM 700, 701, 702 Cont-Common List

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
700-017	UI Internal/External Wire Settings	Automatically set (This is set at factory shipment for each product) 2	1~2	1: Internal wire, 2: External wire		RW	No	No
700-018	ModelName Lead of Controller	Auto set for each model.	32 characters	32 ASCII characters (no NULL end character).		R	No	No
700-029	Disable Custom Services Start Timing	0	0~4,8	0: Do not disable timing 1: Disable timing during authentication 2: Disable timing during greeting 3: Disable timing during both authentication and greeting 4: Disable timing from external access 8: Disable timing during Account ID input		RW	No	No
700-040	Internal Smart Card Reader Feature Availability Data	0	0~1	0: Not in use, 1: In use		RW	Yes	No
700-056	Thread Pool Size to Activate XCP	10	0~30	Whole value from 0 to 30. The size of thread pool that activates the XCP. All enabled plugins share one common thread pool.		RW	Yes	No
700-100	Forced Warmup Mode Allow/Prohibit Setting	0	0~1	0 : Cannot be set, 1: Can be set		RW	Yes	No
700-127	Job End Timer	6	1~240	0 : Disabled 1 to 240 s (1 s increments)	1 s	RW	No	Yes
700-128	Scanning Timer	4	1~20	1 to 20 s (Unit: 1 s)	1 s	RW	No	Yes
700-147	Protocol Monitor Output Control	0	0~3	0 : When output is instructed 1 : When Error has occurred 2 : Always 3 : When Error has occurred (However, it will not be output for the following errors) -An error that arose when the other party is occupied (busy tone was detected) -An error that arose when the other party did not respond (T0 timed out) -T1 timed out in receiving operation		RW	No	No
700-156	Transmission/Undelivered Report Output Control	1	0~1	0 : Do not output 1 : Output according to the Net Transmission/Fax Send Settings		RW	Yes	No
700-158	Blank Page Processing Setting for 2 Sided Print	1	1~2	1 : Print blank pages 2 : Skip blank pages		RW	Yes	No
700-159	Charge Print/Private Charge Print Process Information	0	0~2	0 : User Mode only 1 : Folder Storage has priority over Private Storage 2 : Logical Printer operation not affected by Private Storage Settings (same as existing) (Bit assignment)		RW	Yes	No

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
700-161	Whether to Display the Retrieved Related ID Instead of the Entered ID for User ID Display	1	0~1	0 : Use the entered ID 1 : Use the related ID		RW	Yes	No
700-173	Off Hook Alarm (XE)	2	0~3	0 : Off, 1: Soft, 2: Normal, 3: Loud		RW	No	No
700-174	Activity Report Log Display Content Priority	0	0~2	0: (Outgoing Call) Recipient Name > Remote Terminal Name > Remote ID > Telephone Number or [sipFax] SIPadr (To:) > Communication Mode (Incoming Call) Remote Terminal Name > Remote ID > [sip-Fax] SIPadr (From:) > Communication Mode 1: (Outgoing Call) Remote ID > Recipient Name > Telephone Number or [sipFax] SIPadr (To:) > Remote Terminal Name > Communication Mode (Incoming Call) Remote ID > [sipFax] SIPadr (From:) > Remote Terminal Name > Communication Mode 2: (Outgoing Call) Recipient Name > Telephone Number or [sipFax] SIPadr (To:) > Remote Terminal Name > Remote ID > Communication Mode (Incoming Call) [sipFax] SIPadr (From:) > Remote Terminal Name > Remote ID > Communication Mode		RW	No	No
700-197	Maximum No. of Jobs	0	0~600	0 ~ 600 0 : The system operates based on the value that is determined by the configuration		RW	No	Yes
700-202	Auditron Color Mode for Print (Color Mode for unauthenticated user)	0	0~1	0 : Prohibit 1 : BW		RW	No	Yes
700-207	Support for 2-byte Detect Error State (RFC2790)	0	1~0	1 : 2-byte Operation (RFC2790) 0 : Non-2-byte Operation (RFC1514)		RW	No	Yes
700-232	Version Information	-	0~255	0~255		R	No	No
700-257	USB Smart Card Usage Settings	0	0~2	0 : Do not use 1: Use in PKI only 2: Use in Job Control/PKI		RW	Yes	No
700-261	ESS Fan OFF Control Enabled	1	0~1	0 : Disabled 1 : Enabled		RW	No	No
700-297	Serial # Prefix (1st character)	-		Alphanumeric (ASCII)		RW	No	No
700-298	Serial # Prefix (2nd character)	-		Alphanumeric (ASCII)		RW	No	No
700-299	Serial # Prefix (3rd character)	-		Alphanumeric (ASCII)		RW	No	No
700-300	Serial # Model Code	-		Alphanumeric (ASCII)		RW	No	No
700-301	SEEPPROM Serial # (1st digit)	-		Alphanumeric (ASCII)		R	No	No
700-302	SEEPPROM Serial # (2nd digit)	-		Alphanumeric (ASCII)		R	No	No
700-303	SEEPPROM Serial # (3rd digit)	-		Alphanumeric (ASCII)		R	No	No
700-304	SEEPPROM Serial # (4th digit)	-		Alphanumeric (ASCII)		R	No	No
700-305	SEEPPROM Serial # (5th digit)	-		Alphanumeric (ASCII)		R	No	No
700-306	SEEPPROM Serial # (6th digit)	-		Alphanumeric (ASCII)		R	No	No

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
700-307	SEEPRAM Serial # (7th digit)	-		Alphanumeric (ASCII)		R	No	No
700-308	SEEPRAM Serial # (8th digit)	-		Alphanumeric (ASCII)		R	No	No
700-309	SEEPRAM Serial # (9th digit)	-		Alphanumeric (ASCII)		R	No	No
700-310	SEEPRAM Serial # (10th digit)	-		Alphanumeric (ASCII)		R	No	No
700-311	Battery Backup SRAM Serial # (1st digit)	-		Alphanumeric (ASCII)		R	No	No
700-312	Battery Backup SRAM Serial # (2nd digit)	-		Alphanumeric (ASCII)		R	No	No
700-313	Battery Backup SRAM Serial # (3rd digit)	-		Alphanumeric (ASCII)		R	No	No
700-314	Battery Backup SRAM Serial # (4th digit)	-		Alphanumeric (ASCII)		R	No	No
700-315	Battery Backup SRAM Serial # (5th digit)	-		Alphanumeric (ASCII)		R	No	No
700-316	Battery Backup SRAM Serial # (6th digit)	-		Alphanumeric (ASCII)		R	No	No
700-317	Battery Backup SRAM Serial # (7th digit)	-		Alphanumeric (ASCII)		R	No	No
700-318	Battery Backup SRAM Serial # (8th digit)	-		Alphanumeric (ASCII)		R	No	No
700-319	Battery Backup SRAM Serial # (9th digit)	-		Alphanumeric (ASCII)		R	No	No
700-320	Battery Backup SRAM Serial # (10th digit)	-		Alphanumeric (ASCII)		R	No	No
700-321	SEEPRAM Product # (1st digit)	-		Number (ASCII)		R	No	No
700-322	SEEPRAM Product # (2nd digit)	-		Number (ASCII)		R	No	No
700-323	SEEPRAM Product # (3rd digit)	-		Number (ASCII)		R	No	No
700-324	SEEPRAM Product # (4th digit)	-		Number (ASCII)		R	No	No
700-325	Battery Backup SRAM Product # (1st digit)	-		Number (ASCII)		R	No	No
700-326	Battery Backup SRAM Product # (2nd digit)	-		Number (ASCII)		R	No	No
700-327	Battery Backup SRAM Product # (3rd digit)	-		Number (ASCII)		R	No	No
700-328	Battery Backup SRAM Product # (4th digit)	-		Number (ASCII)		R	No	No
700-329	SEEPRAM Product Code (1st digit)	-		Alphanumeric (ASCII)		RW	No	No
700-330	SEEPRAM Product Code (2nd digit)	-		Alphanumeric (ASCII)		RW	No	No
700-331	SEEPRAM Product Code (3rd digit)	-		Alphanumeric (ASCII)		RW	No	No
700-332	SEEPRAM Product Code (4th digit)	-		Alphanumeric (ASCII)		RW	No	No
700-333	SEEPRAM Product Code (5th digit)	-		Alphanumeric (ASCII)		RW	No	No
700-334	SEEPRAM Product Code (6th digit)	-		Alphanumeric (ASCII)		RW	No	No
700-335	SEEPRAM Product Code (7th digit)	-		Alphanumeric (ASCII)		RW	No	No
700-336	SEEPRAM Product Code (8th digit)	-		Alphanumeric (ASCII)		RW	No	No
700-337	Device Type (SEEPRAM Information)	-	0~15	1: P(rinter) 2: F(ax) 4: C(opy) 8: S(can) This is set during production at the factory. Bits are allocated to each and then displayed using the OR logic. (Operates together with 700-006)		RW	No	No
700-338	Territory Information (SEEPRAM Information)	-	1~4	1 : FX, 2: XC, 3: XE, 4: APO/GCO (Data outside the target for Initialize by Country function)		RW	No	No

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
700-355	Debug Log Save Prohibition Settings	0	0~3	0 : Save all logs 1 : Do not save IOT logs 2 : Do not save IIT logs 3 : Do not save IOT/IIT logs		RW	No	No
700-379	Smart Card Authentication Certificate OID	NULL	"0000" to "FFFF"	Sets the OID (Hexadecimal Character String) of the authentication certificate "0000" to "FFFF"		RW	Yes	No
700-380	Smart Card Signature Certificate OID	NULL	"0000" to "FFFF"	Sets the OID (Hexadecimal Character String) of the signature certificate "0000" to "FFFF"		RW	Yes	No
700-381	Smart Card Encryption Certificate OID	NULL	"0000" to "FFFF"	Sets the OID (Hexadecimal Character String) of the encryption certificate "0000" to "FFFF"		RW	Yes	No
700-396	Auditron Color Mode for Copy (Color Mode for unauthenticated user)	0	0~2	0 : Prohibit 1 : BW 2 : BW & Low Price Color		RW	No	Yes
700-400	TSC Contract Mode	0	0~2	0 : TSC Contract 1 : SSC Contract 2: Neutral		RW	No	No
700-402	Paper Size Group (SEEPROM)	Set for each destination at the factory [FX]: 1 [APO/GCO]: 4	1~5	1 : JP (Japan), 2: NA (North America), 3: EU, 4: APO/GCO, 5: SA (South America)		RW	No	No
700-410	Electronic Collate Print Area Size (RAM Disk)	Memory Standard: 33M 128M Extension: 50M 256M Extension: 66M				RW	No	Yes
700-411	Electronic Collate Copy Area Size (RAM Disk)	Memory Standard: 33M 128M Extension: 50M 256M Extension: 66M 386M Extension: 100M				RW	No	Yes
700-421	Product ID to identify downloaded file (1st character)	NULL		ASCII		RW	No	No
700-422	Product ID to identify downloaded file (2nd character)	NULL		ASCII		RW	No	No
700-423	Product ID to identify downloaded file (3rd character)	NULL		ASCII		RW	No	No
700-424	Product ID to identify downloaded file (4th character)	NULL		ASCII		RW	No	No
700-425	Product ID to identify downloaded file (5th character)	NULL		ASCII		RW	No	No
700-426	Product ID to identify downloaded file (6th character)	NULL		ASCII		RW	No	No
700-427	Product ID to identify downloaded file (7th character)	NULL		ASCII		RW	No	No
700-428	Product ID to identify downloaded file (8th character)	NULL		ASCII		RW	No	No

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
700-444	S/MIME Signature Mode	0	0~2	0 : Fixed as Device Certificate (Default) 1 : Fixed as Personal Certificate 2 : Fixed as User Certificate		RW	Yes	No
700-487	DFE: Availability of APS/ATS Function by Paper Color	0	0~1	0: Available 1: Not available		RW	Yes	No
700-497	Smart Card Number Verification Method	0	0~1	0: Verify against User ID 1: Verify against Smart Card ID		RW	No	No
700-529	Restore Process Control Data	0	0~2	0 : Prohibit restore process 1 : Allow restore process 2: Allow copy all		RW	Yes	No
700-530	Reboot Target at Fail Occurrence	1	0~1	0 : Off 1 : On		RW	No	No
700-534	Software Upgrade Report Output Control	0	0~1	0 : Do not output 1 : Output		RW	No	Yes
700-537	Prohibited Print Types When in Print Prohibited State	0	0~1	0: Prohibit all printing 1 : Prohibit printing for fax only		RW	No	No
700-539	Operation During No XPJL/ID Exist	0	0~3	0: Save as Private Charge Print 1: Save as Charge Print 2: Print 3: Cancel the Job		RW	No	Yes
700-591	Direct Fax Job Restricted Mode	0	0~1	0 : Allow 1 : Prohibit		RW	No	No
700-600	DC132 Supplementary Data Group 1 (IOT)	(Auto set)	(Auto)	(Auto set)		R	No	No
700-601	DC132 Supplementary Data Group 1 (SYS1)	(Auto set)	(Auto)	(Auto set)		R	No	No
700-602	DC132 Supplementary Data Group 1 (SYS2)	(Auto set)	(Auto)	(Auto set)		R	No	No
700-603	DC132 Supplementary Data Group 2 (IOT)	(Auto set)	(Auto)	(Auto set)		R	No	No
700-604	DC132 Supplementary Data Group 2 (SYS1)	(Auto set)	(Auto)	(Auto set)		R	No	No
700-605	DC132 Supplementary Data Group 2 (SYS2)	(Auto set)	(Auto)	(Auto set)		R	No	No
700-606	DC132 Supplementary Data Group 3 (IOT)	(Auto set)	(Auto)	(Auto set)		R	No	No
700-607	DC132 Supplementary Data Group 3 (SYS1)	(Auto set)	(Auto)	(Auto set)		R	No	No
700-608	DC132 Supplementary Data Group 3 (SYS2)	(Auto set)	(Auto)	(Auto set)		R	No	No
700-685	Retain the Account ID that was Specified by the Client at On Demand Print in the Job Log	0	0~1	0 : Retain the Account ID that was Specified by the Local UI in the Job Log 1 : Retain the Account ID that was Specified by the Client in the Job Log		RW	No	Yes
700-686	Use This when Able to Obtain the Display Name (User Name) by Remote Authentication	0	0~1	0 : Do not use this even when able to obtain the Display Name (User Name) by Remote Authentication 1 : Use this when able to obtain the Display Name (User Name) by Remote Authentication		RW	No	Yes
700-689	ACCOUNTDISABLE	0	0~1	0: Ignore ACCOUNTDISBALE 1: Enable ACCOUNTDISBALE		RW	No	No

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
700-690	Prohibit File Listing after Instructing Print for Private Charge Print	0	0~1	0: Allow File Listing after instructing Print for Private Charge Print 1 : Prohibit File Listing after Instructing Print for Private Charge Print		RW	No	Yes
700-691	SingleIP Setting Flag	0	0~1	0 : Not set 1 : Set		RW	No	No
700-699	Internal Smart Card Reader Carrier ON/OFF Data	1	0~1	0: Carrier OFF 1 : Carrier ON		RW	Yes	No
700-701	DMP Indication	4	0~4	0 : DMP 1/2 1 : DMP 3/4 2 : DMP 5/6 3 : DMP 2007/2008 4: DMP 2009 or later		RW	No	No
700-745	System Authentication Retry Specification	0	0~1	0: Do not retry 1: Retry at system settings		RW	No	No
700-751	Setting on Whether to Perform Auto LongBootDiag	0	0~1	0 : Off 1 : On		RW	No	No
700-753	Remote Access Permission	0	0~1	0: Do not allow, 1: Allow		RW	Yes	No
700-754	Remote Access Permission IP Address List			The list of IP Addresses (v4) that have remote access permission. The permitted IP Addresses are separated by commas. E.g.) 192.168.*, 129.249.2.*, 129.249.10.5, 249.249.10.10		RW	Yes	No
700-755	Use ServiceAccess (PfRscAaaAuthServiceAccess) when Controlling Jobs Using Accessories	0	0~1	0: Do not follow ServiceAccess (PfRscAaaAuthServiceAccess) when controlling Jobs using Accessories 1: Follow ServiceAccess (PfRscAaaAuthServiceAccess) when controlling Jobs using Accessories		RW	No	Yes
700-756	Voice Navigator Replay Speed Setting	0	0~1	0: Normal, 1: Fast		RW	Yes	No
700-757	Allow Authentication Cache for Cable Disconnection	0	0~1	0: Normal operation (Authentication Error) 1: Enable Authentication Cache for Cable Disconnection		RW	No	No
700-758	XJ Code Output Control	1	0~1	0 : Do not output, 1: Output		RW	No	No
700-764	Allowable Number of Consecutive Receipts	5	1~5	1~5		RW	No	No
700-765	Time Until Able to Receive Again (Unit: Hours)	24	0~24	0~24		RW	No	No
700-766	Remaining Days on Contract to Display Warning	30	0~1000	0~1000		RW	No	No
700-767	Grace Period	15	0~1000	0~1000		RW	No	No
700-768	Contract Monitoring Interval	24	0~24	0~24		RW	No	No
700-780	Output Control for Unregistered Number	1	0~1	0: Output, 1: Do not output (block)		RW	No	No
700-781	Additional User Check Exception Process at Restarting after Scan is Paused	0	0~1	0: Compare with Login User 1: Do not compare with Login User		RW	No	Yes
700-784	Partial Sleep Enable/Disable Setting		0~2	0: Disable Partial Sleep, 1: Enable Partial Sleep 2: Enable Partial Sleep (remote only)		RW	No	Yes

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
700-785	Delete All Jobs Including Waiting Jobs in the Queue When Authentication was Successful and There are Paused Print Jobs	0	0~1	0: Do not cancel, 1: Cancel		RW	No	Yes
700-787	LDAP Mail Server Access - User Name (1)	null		String (ASCII Max 255 Characters)		RW	No	Yes
700-788	LDAP Mail Server Access - Password (1)	null		String (ASCII Max 32 Characters)		RW	No	Yes
700-789	LDAP Mail Server Access - User Name (2)	null		String (ASCII Max 255 Characters)		RW	No	Yes
700-790	LDAP Mail Server Access - Password (2)	null		String (ASCII Max 32 Characters)		RW	No	Yes
700-791	LDAP Mail Server Access - User Name (3)	null		String (ASCII Max 255 Characters)		RW	No	Yes
700-792	LDAP Mail Server Access - Password (3)	null				RW	No	Yes
700-793	LDAP Mail Server Access - User Name (4)	null		String (ASCII Max 255 Characters)		RW	No	Yes
700-794	LDAP Mail Server Access - Password (4)	null				RW	No	Yes
700-795	LDAP Mail Server Access - User Name (5)	null				RW	No	Yes
700-796	LDAP Mail Server Access - Password (5)	null		String (ASCII Max 255 Characters)		RW	No	Yes
700-797	Fax Report Supply Tray Selection	0	0~7	0 : Auto, 1: Tray 1, 2: Tray 2, 3: Tray 3, 4 : Tray 4, 6: Tray 6 (HCF 1), 7: Tray 7 (HCF 2)		RW	No	No
700-798	Domain Usage in Private Charge Print	0	0~1	0 : Do not use 1 : Use		RW	No	Yes
700-799	Scan 2 Home Domain Name Addition	0	0-1	0-1		RW	No	No
700-805	Serial Number Check Setting for Non-initialized Used Storage Medium	1	0~1	0 : Off 1 : On		RW	No	No
700-806	BMLinkS Manager Activation [Only valid for FX]	0	0~1	0: Do not activate, 1: Activate		RW	Yes	No
700-807	ESS Fan Type Setting	Automatically set (This is set at factory shipment for each product) 2	0~2 128	1: Usual 5V Fan, 2: 24V Fan, 128: Fan not installed, 0: Reserved		RW	No	No
700-809	SMTP AUTH Priority Authentication Method	0	0~5	0: Follow the default setting 1: Use PLAIN authentication as priority authentication method 2: Use LOGIN authentication as priority authentication method 3: Use CRAM-MD5 authentication as priority authentication method 4: Use NTLM authentication as priority authentication method 5: Use GSSAP authentication as priority authentication method		RW	No	No
700-810	ModelName [1] of Controller	Auto set for each model.		ASCII (700-018 1st character)		R	No	No
700-811	ModelName [2] of Controller	Auto set for each model.		ASCII (700-018 2nd character)		R	No	No
700-812	ModelName [3] of Controller	Auto set for each model.		ASCII (700-018 3rd character)		R	No	No
700-813	ModelName [4] of Controller	Auto set for each model.		ASCII (700-018 4th character)		R	No	No
700-814	ModelName [5] of Controller	Auto set for each model.		ASCII (700-018 5th character)		R	No	No
700-815	ModelName [6] of Controller	Auto set for each model.		ASCII (700-018 6th character)		R	No	No
700-816	ModelName [7] of Controller	Auto set for each model.		ASCII (700-018 7th character)		R	No	No

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
700-817	ModelName [8] of Controller	Auto set for each model.		ASCII (700-018 8th character)		R	No	No
700-818	ModelName [9] of Controller	Auto set for each model.		ASCII (700-018 9th character)		R	No	No
700-819	ModelName [10] of Controller	Auto set for each model.		ASCII (700-018 10th character)		R	No	No
700-820	ModelName [11] of Controller	Auto set for each model.		ASCII (700-018 11th character)		R	No	No
700-821	ModelName [12] of Controller	Auto set for each model.		ASCII (700-018 12th character)		R	No	No
700-822	ModelName [13] of Controller	Auto set for each model.		ASCII (700-018 13th character)		R	No	No
700-823	ModelName [14] of Controller	Auto set for each model.		ASCII (700-018 14th character)		R	No	No
700-824	ModelName [15] of Controller	Auto set for each model.		ASCII (700-018 15th character)		R	No	No
700-825	ModelName [16] of Controller	Auto set for each model.		ASCII (700-018 16th character)		R	No	No
700-826	ModelName [17] of Controller	Auto set for each model.		ASCII (700-018 17th character)		R	No	No
700-827	ModelName [18] of Controller	Auto set for each model.		ASCII (700-018 18th character)		R	No	No
700-828	ModelName [19] of Controller	Auto set for each model.		ASCII (700-018 19th character)		R	No	No
700-829	ModelName [20] of Controller	Auto set for each model.		ASCII (700-018 20th character)		R	No	No
700-830	ModelName [21] of Controller	Auto set for each model.		ASCII (700-018 21st character)		R	No	No
700-831	ModelName [22] of Controller	Auto set for each model.		ASCII (700-018 22nd character)		R	No	No
700-832	ModelName [23] of Controller	Auto set for each model.		ASCII (700-018 23rd character)		R	No	No
700-833	ModelName [24] of Controller	Auto set for each model.		ASCII (700-018 24th character)		R	No	No
700-834	ModelName [25] of Controller	Auto set for each model.		ASCII (700-018 25th character)		R	No	No
700-835	ModelName [26] of Controller	Auto set for each model.		ASCII (700-018 26th character)		R	No	No
700-836	ModelName [27] of Controller	Auto set for each model.		ASCII (700-018 27th character)		R	No	No
700-837	ModelName [28] of Controller	Auto set for each model.		ASCII (700-018 28th character)		R	No	No
700-838	ModelName [29] of Controller	Auto set for each model.		ASCII (700-018 29th character)		R	No	No
700-839	ModelName [30] of Controller	Auto set for each model.		ASCII (700-018 30th character)		R	No	No
700-840	ModelName [31] of Controller	Auto set for each model.		ASCII (700-018 31st character)		R	No	No
700-841	ModelName [32] of Controller	Auto set for each model.		ASCII (700-018 32nd character)		R	No	No

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
700-842	USB Port Power Supply Management	0	0~16384	<p>Cuts off power to the specified port(s). To specify multiple ports, perform the specification using the logical sum.</p> <p>0: Do not turn OFF the power (Default) 1: Cut off power to Root Port 0 2: Cut off power to Port 0 of the Hub that is connected to Root Port 0 4: Cut off power to Port 0 of the Hub that is connected to Root Port 1 8: Cut off power to Port 0 of the Hub that is connected to Root Port 2 16: Cut off power to Port 0 of the Hub that is connected to Root Port 3 32: Cut off power to Root Port 1 64: Cut off power to Port 1 of the Hub that is connected to Root Port 0 128: Cut off power to Port 1 of the Hub that is connected to Root Port 1 256: Cut off power to Port 1 of the Hub that is connected to Root Port 2 1000: Cut off power to Port 1 of the Hub that is connected to Root Port 3 1024: Cut off power to Root Port 2 2048: Cut off power to Port 2 of the Hub that is connected to Root Port 0 4096: Cut off power to Port 2 of the Hub that is connected to Root Port 1 8192: Cut off power to Port 2 of the Hub that is connected to Root Port 2 16384: Cut off power to Port 2 of the Hub that is connected to Root Port 3</p>		RW	Yes	No
700-843	Cache Function Availability for Remote Authentication from the Cross-Check System for both Card/Panel	0	0~1	0: The function is disabled, 1: The function is enabled		RW	No	Yes
700-855	Enable/Disable XBDS Function [Only valid for MN]	0	0~1	0: Disabled, 1: Enabled		RW	Yes	No
700-856	Maximum No. of XBDS Sessions [Only valid for MN]	5	1~32	1~32		RW	Yes	No
700-857	XBDS Keep-Alive Wait Time (s) [Only valid for MN]	5	1~60	1 to 60 (s)	1 s	RW	Yes	No
700-858	XBDS Keep-Alive Count [Only valid for MN]	10	0~100	0 to 100 (0: Keep-Alive is disabled)		RW	Yes	No
700-859	Dongle Download Status	0	0~1	0: Not performed, 1: Performed		RW	No	No
700-860	Hard Disk Cache Area Size Setting Data	0	0~1	0: Standard, 1: Extended		RW	No	No

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
700-861	Prompt 1 (User ID) Default	"defaultuserid"		0 to 32 bytes ASCII		RW	Yes	No
700-862	Prompt 2 (Account ID) Default	"defaultaccountid"		0 to 32 bytes ASCII		RW	Yes	No
700-878	XCP Settings Server Activation Setting	1	0~1	0: Stopped, 1: Running		RW	No	Yes
700-879	XCP Settings Server SSL Port Number	58501				RW	No	Yes
700-880	XCP Settings Server Session Timeout Time (s)	30				RW	No	Yes
700-881	XCP Settings Server Maximum No. of Sessions	5				RW	No	Yes
700-882	Port Number	58001				RW	No	Yes
700-883	CE User Name Data Used in EWS	XcpAdmin				RW	Yes	No
700-884	CE Password Name Data Used in EWS					RW	Yes	No
700-885	Internal Smart Card Reader Type Setting	0				RW	No	Yes
700-886	Energy Saver Transition Shortening Permission		0~1	0: Disabled, 1: Enabled		RW	No	Yes
700-888	Auditron Counter Attribute Extension	0	0~1	0: The function is disabled, 1: The function is enabled		RW	No	Yes
700-901	Enable/Disable Print Data Log Function	0	0~1	0: Disabled, 1: Enabled		RW	No	Yes
700-903	Whether to Use the ID Retrieved from Protocol in Operation when User ID (XPJL) of Private Print Storage is Not Available	0	0~1	0: Do not use the ID retrieved from the protocol 1: Use the ID retrieved from the protocol		RW	No	Yes
700-910	CUI Group DN 0	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-911	CUI Group DN 1	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-912	CUI Group DN 2	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-913	CUI Group DN 3	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-914	CUI Group DN 4	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-915	CUI Group DN 5	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-916	CUI Group DN 6	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-917	CUI Group DN 7	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-918	CUI Group DN 8	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-919	CUI Group DN 9	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-920	CUI Group DN 10	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-921	CUI Group DN 11	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-922	CUI Group DN 12	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-923	CUI Group DN 13	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-924	CUI Group DN 14	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-925	CUI Group DN 15	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-926	CUI Group DN 16	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-927	CUI Group DN 17	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-928	CUI Group DN 18	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-929	CUI Group DN 19	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-930	CUI Group DN 20	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-931	CUI Group DN 21	NULL		Within 255 ASCII characters and requires end character		RW	No	No

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
700-932	CUI Group DN 22	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-933	CUI Group DN 23	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-934	CUI Group DN 24	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-935	CUI Group DN 25	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-936	CUI Group DN 26	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-937	CUI Group DN 27	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-938	CUI Group DN 28	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-939	CUI Group DN 29	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-940	CUI Group DN 30	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-941	CUI Group DN 31	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-942	CUI Group DN 32	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-943	CUI Group DN 33	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-944	CUI Group DN 34	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-946	CUI Group DN 35	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-947	CUI Group DN 36	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-948	CUI Group DN 37	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-949	CUI Group DN 38	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-950	CUI Group DN 39	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-951	CUI Group DN 40	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-952	CUI Group DN 41	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-953	CUI Group DN 42	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-954	CUI Group DN 43	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-955	CUI Group DN 44	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-956	CUI Group DN 45	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-957	CUI Group DN 46	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-958	CUI Group DN 47	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-959	CUI Group DN 48	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-960	CUI Group DN 49	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-961	CUI Group DN 50	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-962	CUI Group DN 51	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-963	CUI Group DN 52	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-964	CUI Group DN 53	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-965	CUI Group DN 54	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-966	CUI Group DN 55	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-967	CUI Group DN 56	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-968	CUI Group DN 57	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-969	CUI Group DN 58	NULL		Within 255 ASCII characters and requires end character		RW	No	No

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
700-970	CUI Group DN 59	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-971	CUI Group DN 60	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-972	CUI Group DN 61	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-973	CUI Group DN 62	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-974	CUI Group DN 63	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-975	Feature ColorCopy Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-976	Pathway ServiceFeature Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-977	Pathway JobStatus Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-978	Pathway DeviceStatus Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-979	Service Copy Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-980	Service Fax Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-981	Service Internet Fax Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-982	Service ScanToMail Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-983	Service ScanToBox Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-984	Service ScanToServer Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-985	Service ScanToPC Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-986	Service DocumentPrint Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-987	Service PhotoPrint Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-988	Service IndexBox Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-989	Service JobMemory Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-990	Service JobFlow Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-991	Service WebAccess Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-992	Service BMLinks Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-993	Service CUI Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-994	Service Print Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-995	Service CUSTOM Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-996	Service ScanToURL Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-997	Service ScanToMedia Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
700-998	Service ScanToWSD Group DN	NULL		Within 255 ASCII characters and requires end character		RW	No	No
701-133	SSLversion	0	0~1	0: Default, 1: TLS 1.0		RW	No	No
701-139	Whether to Overwrite JIS Document Name in XPJL	0	0~1	0: Do not overwrite, 1: Overwrite		RW	No	Yes
701-141	Motion Detection Energy Saver Recovery Detection Interval	Hardware recovery time obtained from the OS		Detection Interval (ms) for Energy Saver Recovery due to detected motion		RW	No	Yes
701-143	HDD/SSD Judgment Data	(Auto set at startup)	0~1, -2	0: HDD (Hard Disk Drive) 1: SSD (Solid State Drive) -2: Error (not installed)		R	No	No

Table 1 NVM 700, 701, 702 Cont-Common List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
701-146	Energy Saver Control Data	0	0~1	0: Allow transition to CPU_OFF mode 1: Prohibit transition to CPU_OFF mode Others: Allow transition to CPU_OFF mode		RW	No	No
701-287	Allowable Number of Receipts	10	0-10	0-10		RW	No	No
701-292	Firmware Download from Network	0	0~1	0: Prohibit, 1: Allow		RW	Yes	No
701-912	ADC Calibration LUT Validity (A, B)	1	0~1	0: Disabled, 1: Enabled		RW	No	Yes
701-917	ADC Calibration LUT Validity (E, F)	1	0~1	0: Disabled, 1: Enabled		RW	No	Yes
701-924	Auto Calibration LUT Validity (A, B)	1	0~1	0: Disabled, 1: Enabled		RW	No	Yes
701-929	Auto Calibration LUT Validity (E, F)	1	0~1	0: Disabled, 1: Enabled		RW	No	Yes
702-932	Remote Scan Feature	0	0~2	0: None 1: ExtNetScan 2: CDIScan		RW	No	Yes

6.3.7 NVM 709 Cont-Recycling Record List

Table 1 NVM 709 Cont-Recycling Record List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
709-109	Output Device Standby Time			Unit: 100 hours		R	No	No
709-110	Output Device Low Power Time			Unit: 100 hours		R	No	No
709-111	Input Device Standby Time			Unit: 100 hours		R	No	No

6.3.8 NVM 710 IISS (DADF) LIST

Table 1 NVM 710 IISS (DADF) LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
710-551	JAM Bypass	0	0	1	0: Do not bypass, 1: Bypass Also used as CVT.		O	O
710-600	Size Mismatch Detection Setting	3	1	3	1: When Size Mismatch is detected, notify a Jam. 2: Size Mismatch Detection OFF. 3: When Size Mismatch is detected, notify an operation fail and purge the document. Reduced range for non-standard in the No Mixed Size Detection Table.		O	O
710-603	Alternate Size Switching 3	0	0	2	Switches between 11x15 SEF and 11x17 SEF. No-Mix: mm No-Mix/Size-Mix: Inch 13/Inch 14. 0: Default 1: 11x17 SEF 2: 11x15 SEF		O	O
710-604	Alternate Size Switching 4	0	0	2	Switches between 8.46x12.4 SEF, 8.5x13 SEF, and 8.5x14 SEF. No-Mix/Size-Mix: mm 0: Default 1: 8.5x13 SEF 2: 8.5x14 SEF		O	O
710-605	Alternate Size Switching 5	0	0	2	Switches between B5 SEF and 16K SEF. No-Mix: mm 0: Default 1: B5 SEF 2: 16K SEF		O	O
710-606	Alternate Size Switching 6	0	0	3	Switches between 8x10 SEF, 8x10.5 SEF, and 8.5x11 SEF. Size-Mix: Inch 13/Inch 14. 0: Default 1: 8.5x11 SEF 2: 8x10 SEF 3: 8x10.5 SEF		O	O
710-607	Alternate Size Switching 7	0	0	3	Switches between 8x10 LEF, 8x10.5 LEF, and 8.5x11 LEF. Size-Mix: Inch 13/Inch 14. 0: Default 1: 8.5x11 LEF 2: 8x10 LEF 3: 8x10.5 LEF		O	O
710-608	Alternate Size Switching 8	0	0	4	Switches between B4 SEF/8K/11x15 SEF/11x17 SEF Size-Mix: mm 0: Default 1: B4 SEF 2: 8K SEF 3: 11x15 SEF 4: 11x17 SEF		O	O

Table 1 NVM 710 IISS (DADF) LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
710-610	Alternate Size Switching 10	0	0	3	Switches between B5 LEF and 16K LEF. Size-Mix: mm 0: Default 1: B5 LEF 2: 16K LEF (3: 16K LEF, notified as '2' to CVT)		O	O
710-611	Alternate Size Switching 11	0	0	3	Switches between B5 SEF/16K SEF/8.5x11 SEF. Size-Mix: mm 0: Default 1: B5 SEF 2: 16K SEF 3: 8.5x11 SEF		O	O

6.3.9 NVM 711 DADF-250 (Color) List

Table 1 NVM 711 DADF-250 (Color) List

Chain-Link	NVM Name	Description	Default Value	Range (Minimum Value)	Range (Maximum Value)	Step	Can be written	Can be initialized
711-001	DADF Lead Regi Adjustment (Side 1) (55.0 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-001 value is 120) 2) Adjustment Range (when 711-140 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-140 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-002	DADF Lead Regi Adjustment (Side 1) (73.3 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-002 value is 120) 2) Adjustment Range (when 711-140 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-140 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-003	DADF Lead Regi Adjustment (Side 1) (82.5 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-003 value is 120) 2) Adjustment Range (when 711-140 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-140 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-004	DADF Lead Regi Adjustment (Side 1) (110.0 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-004 value is 120) 2) Adjustment Range (when 711-140 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-140 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-005	DADF Lead Regi Adjustment (Side 1) (146.7 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-005 value is 120) 2) Adjustment Range (when 711-140 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-140 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-006	DADF Lead Regi Adjustment (Side 1) (165.0 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-006 value is 120) 2) Adjustment Range (when 711-140 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-140 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-007	DADF Lead Regi Adjustment (Side 1) (220 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-007 value is 120) 2) Adjustment Range (when 711-140 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-140 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O

Table 1 NVM 711 DADF-250 (Color) List

Chain-Link	NVM Name	Description	Default Value	Range (Minimum Value)	Range (Maximum Value)	Step	Can be written	Can be initialized
711-008	DADF Lead Regi Adjustment (Side 1) (293.3 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-008 value is 120) 2) Adjustment Range (when 711-140 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-140 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-009	DADF Lead Regi Adjustment (Side 1) (330 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-009 value is 120) 2) Adjustment Range (when 711-140 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-140 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-010	DADF Lead Regi Adjustment (Side 1) (440 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-010 value is 120) 2) Adjustment Range (when 711-140 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-140 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-011	DADF Lead Regi Adjustment (Side 1) (460 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-011 value is 120) 2) Adjustment Range (when 711-140 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-140 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-012	DADF Lead Regi Adjustment (Side 1) (350 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-011 value is 120) 2) Adjustment Range (when 711-140 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-140 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-015	DADF Lead Regi Adjustment (Side 2) (55.0 mm/s)	1) Default Value: 0 mm (When 711-140 value is Default and 711-015 value is 120) 2) Adjustment Range (when 711-141 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-141 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-016	DADF Lead Regi Adjustment (Side 2) (73.3 mm/s)	1) Default Value: 0 mm (When 711-141 value is Default and 711-016 value is 120) 2) Adjustment Range (when 711-141 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-141 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O

Table 1 NVM 711 DADF-250 (Color) List

Chain-Link	NVM Name	Description	Default Value	Range (Minimum Value)	Range (Maximum Value)	Step	Can be written	Can be initialized
711-017	DADF Lead Regi Adjustment (Side 2) (82.5 mm/s)	1) Default Value: 0 mm (When 711-141 value is Default and 711-017 value is 120) 2) Adjustment Range (when 711-141 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-141 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-018	DADF Lead Regi Adjustment (Side 2) (110.0 mm/s)	1) Default Value: 0 mm (When 711-141 value is Default and 711-018 value is 120) 2) Adjustment Range (when 711-141 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-141 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-019	DADF Lead Regi Adjustment (Side 2) (146.7 mm/s)	1) Default Value: 0 mm (When 711-141 value is Default and 711-019 value is 120) 2) Adjustment Range (when 711-141 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-141 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-020	DADF Lead Regi Adjustment (Side 2) (165.0 mm/s)	1) Default Value: 0 mm (When 711-141 value is Default and 711-020 value is 120) 2) Adjustment Range (when 711-141 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-141 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-021	DADF Lead Regi Adjustment (Side 2) (220 mm/s)	1) Default Value: 0 mm (When 711-141 value is Default and 711-021 value is 120) 2) Adjustment Range (when 711-141 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-141 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-022	DADF Lead Regi Adjustment (Side 2) (293.3 mm/s)	1) Default Value: 0 mm (When 711-141 value is Default and 711-022 value is 120) 2) Adjustment Range (when 711-141 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-141 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-023	DADF Lead Regi Adjustment (Side 2) (330 mm/s)	1) Default Value: 0 mm (When 711-141 value is Default and 711-023 value is 120) 2) Adjustment Range (when 711-141 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-141 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O

Table 1 NVM 711 DADF-250 (Color) List

Chain-Link	NVM Name	Description	Default Value	Range (Minimum Value)	Range (Maximum Value)	Step	Can be written	Can be initialized
711-024	DADF Lead Regi Adjustment (Side 2) (440 mm/s)	1) Default Value: 0 mm (When 711-141 value is Default and 711-024 value is 120) 2) Adjustment Range (when 711-141 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-141 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-025	DADF Lead Regi Adjustment (Side 2) (460 mm/s)	1) Default Value: 0 mm (When 711-141 value is Default and 711-025 value is 120) 2) Adjustment Range (when 711-141 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-141 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-026	DADF Lead Regi Adjustment (Side 2) (350 mm/s)	1) Default Value: 0 mm (When 711-141 value is Default and 711-025 value is 120) 2) Adjustment Range (when 711-141 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-141 value is 70 to 170) : +6.5 mm (70 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-029	DADF Tail Edge Adjustment (Side 1) (55.0 mm/s)	1) Default Value: 0 mm (When 711-142 value is Default and 711-029 value is 120) 2) Adjustment Range (when 711-142 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-142 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-030	DADF Tail Edge Adjustment (Side 1) (73.3 mm/s)	1) Default Value: 0 mm (When 711-142 value is Default and 711-030 value is 120) 2) Adjustment Range (when 711-142 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-142 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-031	DADF Tail Edge Adjustment (Side 1) (82.5 mm/s)	1) Default Value: 0 mm (When 711-142 value is Default and 711-031 value is 120) 2) Adjustment Range (when 711-142 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-142 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-032	DADF Tail Edge Adjustment (Side 1) (110.0 mm/s)	1) Default Value: 0 mm (When 711-142 value is Default and 711-032 value is 120) 2) Adjustment Range (when 711-142 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-142 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O

Table 1 NVM 711 DADF-250 (Color) List

Chain-Link	NVM Name	Description	Default Value	Range (Minimum Value)	Range (Maximum Value)	Step	Can be written	Can be initialized
711-033	DADF Tail Edge Adjustment (Side 1) (146.7 mm/s)	1) Default Value: 0 mm (When 711-142 value is Default and 711-033 value is 120) 2) Adjustment Range (when 711-142 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-142 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-034	DADF Tail Edge Adjustment (Side 1) (165.0 mm/s)	1) Default Value: 0 mm (When 711-142 value is Default and 711-034 value is 120) 2) Adjustment Range (when 711-142 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-142 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-035	DADF Tail Edge Adjustment (Side 1) (220 mm/s)	1) Default Value: 0 mm (When 711-142 value is Default and 711-035 value is 120) 2) Adjustment Range (when 711-142 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-142 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-036	DADF Tail Edge Adjustment (Side 1) (293.3 mm/s)	1) Default Value: 0 mm (When 711-142 value is Default and 711-036 value is 120) 2) Adjustment Range (when 711-142 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-142 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-037	DADF Tail Edge Adjustment (Side 1) (330 mm/s)	1) Default Value: 0 mm (When 711-142 value is Default and 711-037 value is 120) 2) Adjustment Range (when 711-142 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-142 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-038	DADF Tail Edge Adjustment (Side 1) (440 mm/s)	1) Default Value: 0 mm (When 711-142 value is Default and 711-038 value is 120) 2) Adjustment Range (when 711-142 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-142 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-039	DADF Tail Edge Adjustment (Side 1) (460.0 mm/s)	1) Default Value: 0 mm (When 711-142 value is Default and 711-039 value is 120) 2) Adjustment Range (when 711-142 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-142 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O

Table 1 NVM 711 DADF-250 (Color) List

Chain-Link	NVM Name	Description	Default Value	Range (Minimum Value)	Range (Maximum Value)	Step	Can be written	Can be initialized
711-040	DADF Tail Edge Adjustment (Side 1) (350.0 mm/s)	1) Default Value: 0 mm (When 711-142 value is Default and 711-039 value is 120) 2) Adjustment Range (when 711-142 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-142 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-043	DADF Tail Edge Adjustment (Side 2) (55.0 mm/s)	1) Default Value: 0 mm (When 711-143 value is Default and 711-043 value is 120) 2) Adjustment Range (when 711-143 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-143 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-044	DADF Tail Edge Adjustment (Side 2) (73.3 mm/s)	1) Default Value: 0 mm (When 711-143 value is Default and 711-044 value is 120) 2) Adjustment Range (when 711-143 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-143 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-045	DADF Tail Edge Adjustment (Side 2) (82.5 mm/s)	1) Default Value: 0 mm (When 711-143 value is Default and 711-045 value is 120) 2) Adjustment Range (when 711-143 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-143 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-046	DADF Tail Edge Adjustment (Side 2) (110.0 mm/s)	1) Default Value: 0 mm (When 711-143 value is Default and 711-046 value is 120) 2) Adjustment Range (when 711-143 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-143 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-047	DADF Tail Edge Adjustment (Side 2) (146.7 mm/s)	1) Default Value: 0 mm (When 711-143 value is Default and 711-047 value is 120) 2) Adjustment Range (when 711-143 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-143 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-048	DADF Tail Edge Adjustment (Side 2) (165.0 mm/s)	1) Default Value: 0 mm (When 711-143 value is Default and 711-048 value is 120) 2) Adjustment Range (when 711-143 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-143 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O

Table 1 NVM 711 DADF-250 (Color) List

Chain-Link	NVM Name	Description	Default Value	Range (Minimum Value)	Range (Maximum Value)	Step	Can be written	Can be initialized
711-049	DADF Tail Edge Adjustment (Side 2) (220 mm/s)	1) Default Value: 0 mm (When 711-143 value is Default and 711-049 value is 120) 2) Adjustment Range (when 711-143 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-143 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-050	DADF Tail Edge Adjustment (Side 2) (293.3 mm/s)	1) Default Value: 0 mm (When 711-143 value is Default and 711-050 value is 120) 2) Adjustment Range (when 711-143 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-143 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-051	DADF Tail Edge Adjustment (Side 2) (330 mm/s)	1) Default Value: 0 mm (When 711-143 value is Default and 711-051 value is 120) 2) Adjustment Range (when 711-143 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-143 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-052	DADF Tail Edge Adjustment (Side 2) (440 mm/s)	1) Default Value: 0 mm (When 711-143 value is Default and 711-052 value is 120) 2) Adjustment Range (when 711-143 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-143 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-053	DADF Tail Edge Adjustment (Side 2) (460.0 mm/s)	1) Default Value: 0 mm (When 711-143 value is Default and 711-053 value is 120) 2) Adjustment Range (when 711-143 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-143 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-054	DADF Tail Edge Adjustment (Side 2) (350.0 mm/s)	1) Default Value: 0 mm (When 711-143 value is Default and 711-053 value is 120) 2) Adjustment Range (when 711-143 value is Default) : +1.5 mm (105 pulse) / -1.5 mm (135 pulse) 3) Adjustment Range (when 711-143 value is 80 to 170) : +5.5 mm (80 pulse) / -6.5 mm (170 pulse)	120	105	135	0.1 mm	O	O
711-057	Vertical Ratio Fine Adjustment (55.0 mm/s) (Overwrites the adjustment values of the Pre Regi Motor, Regi Motor, Platen Motor, and Exit Motor simultaneously.)	+/-2%, 0.1% increments, Adjusts only Top Speed	20	0	40	0.10%	O	O
711-061	Vertical Ratio Fine Adjustment (73.3 mm/s) (Overwrites the adjustment values of the Pre Regi Motor, Regi Motor, Platen Motor, and Exit Motor simultaneously.)	+/-2%, 0.1% increments, Adjusts only Top Speed	20	0	40	0.10%	O	O

Table 1 NVM 711 DADF-250 (Color) List

Chain-Link	NVM Name	Description	Default Value	Range (Minimum Value)	Range (Maximum Value)	Step	Can be written	Can be initialized
711-065	Vertical Ratio Fine Adjustment (82.5 mm/s) (Overwrites the adjustment values of the Pre Regi Motor, Regi Motor, Platen Motor, and Exit Motor simultaneously.)	+/-2%, 0.1% increments, Adjusts only Top Speed	20	0	40	0.10%	O	O
711-069	Vertical Ratio Fine Adjustment (110.0 mm/s) (Overwrites the adjustment values of the Pre Regi Motor, Regi Motor, Platen Motor, and Exit Motor simultaneously.)	+/-2%, 0.1% increments, Adjusts only Top Speed	20	0	40	0.10%	O	O
711-073	Vertical Ratio Fine Adjustment (146.7 mm/s) (Overwrites the adjustment values of the Pre Regi Motor, Regi Motor, Platen Motor, and Exit Motor simultaneously.)	+/-2%, 0.1% increments, Adjusts only Top Speed	20	0	40	0.10%	O	O
711-077	Vertical Ratio Fine Adjustment (165.0 mm/s) (Overwrites the adjustment values of the Pre Regi Motor, Regi Motor, Platen Motor, and Exit Motor simultaneously.)	+/-2%, 0.1% increments, Adjusts only Top Speed	20	0	40	0.10%	O	O
711-081	Vertical Ratio Fine Adjustment (220.0 mm/s) (Overwrites the adjustment values of the Pre Regi Motor, Regi Motor, Platen Motor, and Exit Motor simultaneously.)	+/-2%, 0.1% increments, Adjusts only Top Speed	20	0	40	0.10%	O	O
711-085	Vertical Ratio Fine Adjustment (293.3 mm/s) (Overwrites the adjustment values of the Pre Regi Motor, Regi Motor, Platen Motor, and Exit Motor simultaneously.)	+/-2%, 0.1% increments, Adjusts only Top Speed	20	0	40	0.10%	O	O
711-089	Vertical Ratio Fine Adjustment (330.0 mm/s) (Overwrites the adjustment values of the Pre Regi Motor, Regi Motor, Platen Motor, and Exit Motor simultaneously.)	+/-2%, 0.1% increments, Adjusts only Top Speed	20	0	40	0.10%	O	O
711-093	Vertical Ratio Fine Adjustment (440.0 mm/s) (Overwrites the adjustment values of the Pre Regi Motor, Regi Motor, Platen Motor, and Exit Motor simultaneously.)	+/-2%, 0.1% increments, Adjusts only Top Speed	20	0	40	0.10%	O	O
711-097	Vertical Ratio Fine Adjustment (460.0 mm/s) (Overwrites the adjustment values of the Pre Regi Motor, Regi Motor, Platen Motor, and Exit Motor simultaneously.)	+/-2%, 0.1% increments, Adjusts only Top Speed	20	0	40	0.10%	O	O
711-101	Vertical Ratio Fine Adjustment (350.0 mm/s) (Overwrites the adjustment values of the Pre Regi Motor, Regi Motor, Platen Motor, and Exit Motor simultaneously.)	+/-2%, 0.1% increments, Adjusts only Top Speed	20	0	40	0.10%	O	O
711-140	DADF Lead Regi Offset NVM (Side 1)	Default Value: 0 mm (120 pulse) : +5.0 mm (70 pulse) / -5.0 mm (170 pulse)	120	70	170	0.1 mm	O	O
711-141	DADF Lead Regi Offset NVM (Side 2)	Default Value: 0 mm (120 pulse) : +5.0 mm (70 pulse) / -5.0 mm (170 pulse)	120	70	170	0.1 mm	O	O
711-142	DADF Tail Edge Offset NVM (Side 1)	Default Value: 0 mm (120 pulse) : +4.0 mm (80 pulse) / -5.0 mm (170 pulse)	120	80	170	0.1 mm	O	O
711-143	DADF Tail Edge Offset NVM (Side 2)	Default Value: 0 mm (120 pulse) : +4.0 mm (80 pulse) / -5.0 mm (170 pulse)	120	80	170	0.1 mm	O	O
711-144	Vertical Ratio Fine Adjustment - Replace All	+/-2%, 0.1% increments, Adjusts only Top Speed Rewrites all data of 711-057 to 711-104 with the specified data.	20	0	40	0.10%	O	O
711-150	Initial Loop Amount Adjustment (Side 1)	1: 5 mm, 2: 7 mm, 3: 9 mm, 4: 11 mm, 5: 13 mm	1	1	5	-	O	O
711-151	Initial Loop Amount Adjustment (Side 2)	1: 5 mm, 2: 7 mm, 3: 9 mm, 4: 11 mm, 5: 14 mm	1	1	5	-	O	O

Table 1 NVM 711 DADF-250 (Color) List

Chain-Link	NVM Name	Description	Default Value	Range (Minimum Value)	Range (Maximum Value)	Step	Can be written	Can be initialized
711-154	Regi Roll Striking Speed Setting	Sets the entry speed to the Regi Roll during Pre Registration and Invert. 1: 300 mm/s, 2: 440 mm/s	2	1	2	-	O	O
711-155	Regi Roll Reverse Rotation Setting	Sets whether to perform Regi Roll reverse rotation during Regi Loop creation. 1: OFF, 2: ON (110 mm/s), 3: ON (220 mm/s)	1	1	3	-	O	O
711-156	Stop Position Adjustment at Pre Feed Completion (Simplex)	Adjusts the pulse count value from Feed Sensor On to Feed Motor Slowdown Start. The adjustment range is -40 to +32 pulses (1 pulse increments)	48	0	72	0.1184 mm	O	O
711-158	Stop Position Adjustment during Invert	Adjusts the pulse count value from Invert Sensor Off to Feed Motor Slowdown Start during Invert. The adjustment range is -42 to +42 pulses (+/-4.98 mm) (1 pulse increments)	42	0	84	0.1186 mm	O	O
711-159	Stop Position Adjustment at Invert Output	Adjusts the pulse count value from Invert Sensor Off to Feed Motor Slowdown Start during Invert. The adjustment range is -42 to +42 pulses (+/-4.98 mm) (1 pulse increments)	42	0	84	0.1186 mm	O	O
711-160	Smudge Countermeasure Mode Setting (Nudger Roll Up/Down)	Sets whether to lift up/down every time the Nudger Roll feeds one sheet. 1: OFF (do not lift up/down), 2: ON (lift up/down)	1	1	2	-	O	O
711-161	Tray Top Position Adjustment at Job Start	Adjusts the Timer value from Level Snr On to Tray Motor Slowdown Start at Job Start, 0 to 150 ms	0	0	15	10 ms	O	O
711-162	Output Speed Adjustment (Long Size)	Sets the output speed of L size documents. 1: 220 mm/s, 2: 330 mm/s, 3: 440 mm/s	1	1	3	-	O	O
711-163	Output Speed Adjustment (Short Size)	Sets the output speed of S/M1a/M1b/M2 size documents. 1: 220 mm/s, 2: 330 mm/s, 3: 440 mm/s	1	1	3	-	O	O
711-164	Document Slow Scan Size Correction Value	Correction value for [Size Detection Auto-Correction Function] Document Size Correction Value: +/-5 mm	50	0	100	0.1 mm	O	O
711-166	Elevator Tray Operation Timer Setting	[Elevator Tray Operation Trigger Switching] 1: Set the Timer to be used for setting (1). 2: Ignore this setting.	20	0	50	100 ms	O	O
711-167	Tray Top Position Adjustment during Job	Adjusts the Timer value from Level Snr On to Tray Motor Slowdown Start when a Job is in progress	4	0	30	10 ms	O	O
711-168	CVT Productivity Data	0: High Speed mode 1: Normal Mode	0	0	1	-	O	O
711-169	Hole Punched Mode Setting	1: None 2: Available	1	1	2	-	O	O
711-187	Letter Mode Setting	Operation setting for letter documents	0	0	15	-	O	O
711-188	DADF Pass Setting	1: Invert pass available, 1 pass not available 2: Invert pass not available, 1 pass available 3: Invert pass available, 1 pass available	1	1	3	-	O	O
711-272	ADF-IIT Combine Adjustment Value Data 3 Side 1 Side Regi ADJ.	Side 1 Side Regi Adjustment Value	120	0	240	-	O	O
711-274	ADF-IIT Combine Adjustment Value Data 5 Side 2 Side Regi ADJ.	Side 2 Side Regi Adjustment Value	120	0	240	-	O	O

Table 1 NVM 711 DADF-250 (Color) List

Chain-Link	NVM Name	Description	Default Value	Range (Minimum Value)	Range (Maximum Value)	Step	Can be written	Can be initialized
711-277	ADF-IIT Combine Adjustment Value Data 8	Adjustment Value Data 8 sent to IIT during ADF-IIT Combine	0	0	255	-	O	O
711-278	ADF-IIT Combine Adjustment Value Data 9	Adjustment Value Data 9 sent to IIT during ADF-IIT Combine	0	0	255	-	O	O
711-279	ADF-IIT Combine Adjustment Value Data 10	Adjustment Value Data 10 sent to IIT during ADF-IIT Combine	0	0	255	-	O	O
711-280	ADF-IIT Combine Adjustment Value Data 11	Adjustment Value Data 11 sent to IIT during ADF-IIT Combine	0	0	255	-	O	O
711-281	ADF-IIT Combine Adjustment Value Data 12	Adjustment Value Data 12 sent to IIT during ADF-IIT Combine	0	0	255	-	O	O
711-282	ADF-IIT Combine Adjustment Value Data 13	Adjustment Value Data 13 sent to IIT during ADF-IIT Combine	0	0	255	-	O	O
711-283	ADF-IIT Combine Adjustment Value Data 14	Adjustment Value Data 14 sent to IIT during ADF-IIT Combine	0	0	255	-	O	O
711-284	ADF-IIT Combine Adjustment Value Data 15	Adjustment Value Data 15 sent to IIT during ADF-IIT Combine	0	0	255	-	O	O
711-291	Periodic Transport Data Counter	The NVM used to trigger the generation of Periodic Transport Data in [Diagnostic Function]	15	1	255	-	O	O
711-292	Timing Monitor Counter	The NVM used to trigger the activation of Timing Monitor in [Diagnostic Function]	0	0	255	-	O	O
711-293	Warning Rate	The NVM used as the Warning Rate to trigger the JAM related Warnings in [Diagnostic Function]	75	0	100	-	O	O
711-294	Test ID	Test ID used in [Diagnostic Function]	0	0	255	-	O	O
711-296	Independent Operation Time	0: Do not operate independently 2 to 999: The stop time after independent feed has started (10 ms increments)	0	0	999	10 ms	O	O
711-297	Communication Fail Bypass	0: Communication Fail Bypass OFF 1: Communication Fail Bypass ON	0	0	1	-	O	O
711-298	Diag Request Operation Setting	Sets the operation start conditions for [DADF Independent Operation] and [No Paper Run] for the Diag Request operation. 0: Do not start the operation during I/L OPEN 1: Allow the operation to start during I/L OPEN	0	0	1	-	O	O
711-450	Nudger Solenoid Life Count (upper digits)	324000	4	0	65535	-	X	X
711-451	Nudger Solenoid Life Count (lower digits)	* Life value may be changed in Counter Write Command. It cannot be written in Chain Link setting.	61856	0	65535	-	X	X
711-454	Baffle Solenoid Life Count (upper digits)	3888000	59	0	65535	-	X	X
711-455	Baffle Solenoid Life Count (lower digits)	* Life value may be changed in Counter Write Command. It cannot be written in Chain Link setting.	21376	0	65535	-	X	X
711-458	Simp/Dup Gate Solenoid Suction End Life Count (upper digits)	324000	4	0	65535	-	X	X
711-459	Simp/Dup Gate Solenoid Suction End Life Count (lower digits)	* Life value may be changed in Counter Write Command. It cannot be written in Chain Link setting.	61856	0	65535	-	X	X
711-460	Simp/Dup Gate Solenoid Restoring End Life Count (upper digits)	324000	4	0	65535	-	X	X
711-461	Simp/Dup Gate Solenoid Restoring End Life Count (lower digits)	* Life value may be changed in Counter Write Command. It cannot be written in Chain Link setting.	61856	0	65535	-	X	X
711-462	Nip Release Solenoid Life Count (upper digits)	1296000	19	0	65535	-	X	X
711-463	Nip Release Solenoid Life Count (lower digits)	* Life value may be changed in Counter Write Command. It cannot be written in Chain Link setting.	50816	0	65535	-	X	X
711-464	Exit Gate Solenoid Life Count (upper digits)	1296000	19	0	65535	-	X	X
711-465	Exit Gate Solenoid Life Count (lower digits)	* Life value may be changed in Counter Write Command. It cannot be written in Chain Link setting.	50816	0	65535	-	X	X

Table 1 NVM 711 DADF-250 (Color) List

Chain-Link	NVM Name	Description	Default Value	Range (Minimum Value)	Range (Maximum Value)	Step	Can be written	Can be initialized
711-466	Feed Clutch Life Count (upper digits)	6480000	98	0	65535	-	X	X
711-467	Feed Clutch Life Count (lower digits)	* Life value may be changed in Counter Write Command. It cannot be written in Chain Link setting.	57472	0	65535			
711-468	DADF (Platen) Open/Close Life Count (upper digits)	432000	6	0	65535	-	X	X
711-469	DADF (Platen) Open/Close Life Count (lower digits)	* Life value may be changed in Counter Write Command. It cannot be written in Chain Link setting.	38784	0	65535			
711-470	DADF Document Feed Life Count (upper digits)	200000	3	0	65535	-	X	X
711-471	DADF Document Feed Life Count (lower digits)	* Life value may be changed in Counter Write Command. It cannot be written in Chain Link setting.	3392	0	65535			
711-472	Document Feed Life Simp+Dup (upper digits)	3888000	59	0	65535	-	X	X
711-473	Document Feed Life Simp+Dup (lower digits)	* Life value may be changed in Counter Write Command. It cannot be written in Chain Link setting.	21376	0	65535			
711-474	FEED Cover Open/Close Life Count (upper digits)	100000	1	0	65535	-	X	X
711-475	FEED Cover Open/Close Life Count (lower digits)	* Life value may be changed in Counter Write Command. It cannot be written in Chain Link setting.	34464	0	65535			

6.3.10 NVM 715 IISS LIST

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-007	Photograph Scanning Speed/2 Sided Simultaneous Scan Black & White Density Difference Adjustment	0	0	1	Switches the scan speed during the Scan Photograph Mode. When Bit 0 is '0': Photograph Scanning Speed - Half Speed Mode (default) When Bit 0 is '1': Photograph Scanning Speed - Normal Speed Mode		O	O
715-010	Energy Saver Mode Disabling NVM	0	0	1	Setting Value: 0 At Power OFF: Move the CRG to the W-Ref board position. At Power ON: Initialize the CRG. Returning from Energy Saver: Do not initialize the CRG. Setting Value: 1 At Power OFF: Do not move the CRG. At Power ON: Initialize the CRG. Returning from Energy Saver: Initialize the CRG.		O	O
715-014	CRG-Init Control after Platen Job	0	0	1	Controls whether to perform CRG-Init Control at the end of a Platen Job. Take note that for SHD after a Job, CRG-Init will be performed regardless of the value of this NVM. 0: Perform CRG-Init 1: Do not perform CRG-Init		O	O
715-017	IIT Fail Bypass	0	0	1	0: Fail Bypass OFF 1: Fail Bypass ON		O	O
715-018	Config Fail Bypass	0	0	1	Controls whether to perform Fail bypass for the [Configuration Check] function of IIT-Elect Request. Take note that this NVM is not involved with the separate SelectConfig that is performed internally by the IISS. 0: Fail Bypass OFF 1: Fail Bypass ON		O	O
715-020	No. of APS	1	0	1	0: 1 APS 1: 2 APS Adjusted at ex-factory.		O	O
715-023	Lamp Fan Low Rotation ON Time	15	0	60	Lamp Fan Low Rotation ON Time (Unit: min). Adjusted at ex-factory.	Minute	O	O
715-024	Lamp Fan Stop Time	0	0	60	Lamp Fan Stop Time (Unit: min). Adjusted at ex-factory.	Minute	O	O
715-025	FL Timer Set	0	0	1	0: Standard FL Timer Setting (30 min rest/0.5 s ON) 1: Condensation Mode Setting (Function with the timer settings in Diag 715-026 and 715-027)		O	O
715-026	Lamp ON Interval	30	1	60	Interval setting (Unit: min)	Minute	O	O
715-027	Lamp ON Time	1	1	60	Lamp ON time setting (Unit: s)	Seconds	O	O

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-030	IIT Faulty Parts Diagnosis	0	0	65535	Writing into this NVM starts the IIT Faulty Parts Diagnosis in combination with NVM 715-030 and NVM 715-011. 715-030 715-011 Operation 1 0 Main inspection (All models) 1 1 Sub inspection 2 1 Sub inspection 3 1 Sub inspection (Color C75/J75 Press) After the diagnosis has been performed, the value that is written into this NVM is no longer the write value that was notified earlier. Instead, it will contain the Faulty Parts No. that was projected by the diagnosis. * If none of the above NVM combinations was met, it will follow the usual NVM-Write operation. (Diagnosis will not be performed)		O	X
715-050	Platen SS Registration Adjustment	100	16	184	The Registration correction value in Slow Scan Direction. Adjusted at ex-factory.	1 pulse	O	O
715-051	Platen SS Reduce/Enlarge Adjustment	50	44	56	The Reduce/Enlarge correction value in Slow Scan Direction (0.1%/step). Adjusted at ex-factory.	0.001	O	O
715-053	Platen FS Registration Adjustment	120	0	240	The Registration correction value in Fast Scan Direction (Dot). Adjusted at ex-factory. VLSS = PROMVLSS + (PRadjF -120) X 2	Dot	O	O
715-056	CVT FS Offset Side 1-1 (139.7 to 148)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-057	CVT FS Offset Side 2-1 (139.7 to 148)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-058	CVT FS Offset Side 1-2 (182 to 194)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-059	CVT FS Offset Side 2-2 (182 to 194)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-060	CVT FS Offset Side 1-3 (203.2)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-061	CVT FS Offset Side 2-3 (203.2)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-062	CVT FS Offset Side 1-4 (210)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-063	CVT FS Offset Side 2-4 (210)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-064	CVT FS Offset Side 1-5 (214.9 to 215.9)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-065	CVT FS Offset Side 2-5 (214.9 to 215.9)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-066	CVT FS Offset Side 1-6 (254 to 257)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-067	CVT FS Offset Side 2-6 (254 to 257)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-068	CVT FS Offset Side 1-7 (266.7 to 267)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-069	CVT FS Offset Side 2-7 (266.7 to 267)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-070	CVT FS Offset Side 1-8 (279.4)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-071	CVT FS Offset Side 2-8 (279.4)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-072	CVT FS Offset Side 1-9 (297)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-073	CVT FS Offset Side 2-9 (297)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-074	CVT FS Offset Side 3-1 (139.7 to 148)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-076	CVT FS Offset Side 3-2 (182 to 194)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-078	CVT FS Offset Side 3-3 (203.2)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-080	CVT FS Offset Side 3-4 (210)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-082	CVT FS Offset Side 3-5 (214.9 to 215.9)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-084	CVT FS Offset Side 3-6 (254 to 257)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-086	CVT FS Offset Side 3-7 (266.7 to 267)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-088	CVT FS Offset Side 3-8 (279.4)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-090	CVT FS Offset Side 3-9 (297)	120	0	240	Fast Scan Regi Correction Value (0.1 mm/step) during CVT	0.1 mm	O	O
715-092	WREF_ADJ_R	140	70	255	Red W-Ref correction coefficient. Adjusted at ex-factory.		O	O
715-093	WREF_ADJ_G	140	70	255	Green W-Ref correction coefficient. Adjusted at ex-factory.		O	O
715-094	WREF_ADJ_B	140	70	255	Blue W-Ref correction coefficient. Adjusted at ex-factory.		O	O
715-095	WREF_ADJ__BW	140	70	255	BW-X W-Ref correction coefficient. Adjusted at ex-factory.		O	O
715-096	WREF_ADJ__BWY	140	70	255	BW-Y W-Ref correction coefficient. Adjusted at ex-factory.		O	O
715-102	WREF_ADJ_R (Individual Paper)	63	0	127	Red W-Ref correction coefficient for each individual paper type.		O	O
715-103	WREF_ADJ_G (Individual Paper)	63	0	127	Green W-Ref correction coefficient for each individual paper type.		O	O
715-104	WREF_ADJ_B (Individual Paper)	63	0	127	Blue W-Ref correction coefficient for each individual paper type.		O	O
715-105	WREF_ADJ_BW (Individual Paper)	63	0	127	BW W-Ref correction coefficient for each individual paper type.		O	O
715-106	IIT Paper Code	0	0	8	0: Use NVM Individual Paper Coefficient 1: J paper, 2: P paper, 3: C2 paper, 4: Green100 paper, 5: Digital Color Xpression, 6: Color Tech+, 7: Xerox4200 paper, 8: Xerox Business Adjusted at ex-factory.		O	O
715-107	Optical Axis Correction Front Nut Rotation Angle	990	0	1980	The Front Nut rotation angle (990 to 1980: Right rotation angle, 0 to 990: Left rotation angle) for Optical Axis Correction.		X	O
715-108	Optical Axis Correction Rear Nut Rotation Angle	990	0	1980	The Rear Nut rotation angle (990 to 1980: Right rotation angle, 0 to 990: Left rotation angle) for Optical Axis Correction.		X	O
715-110	CVT FS Offset Side 1 Reference Adjustment Value	120	0	240	Fast Scan Regi Reference Adjustment Value (0.1 mm/step) for CVT Side 1. Adjusted at ex-factory. At Power ON, this will be overwritten by the DADF NVM (711-272) value.	0.1 mm	O	O
715-111	CVT FS Offset Side 2 Reference Adjustment Value	120	0	240	Fast Scan Regi Reference Adjustment Value (0.1 mm/step) for CVT Side 2. Adjusted at ex-factory. At Power ON, this will be overwritten by the DADF NVM (711-274) value.	0.1 mm	O	O
715-112	CVT FS Offset Side 3 Reference Adjustment Value	120	0	240	Fast Scan Regi Reference Adjustment Value (0.1 mm/step) for CVT Side 3. Adjusted at ex-factory. At Power ON, this will be overwritten by the DADF NVM (711-274) value.	0.1 mm	O	O
715-118	Calibration Lamp ON Wait Time	0	0	300	Lamp ON Wait Time before a Calibration (Unit: s).	s	O	O
715-201	Auto Color Detection Level Adjustment Extension	0	0	1	0: Normal 1: Extend Adjustment Range		O	O
715-241	Black Line Correction Level Value (For color)	8	0	15	Black Line Correction Strength Level Setting in Color scanning. The larger the value, the stronger the correction strength ('0' means correction is canceled).		O	O
715-242	Black Line Correction Level Value (For BW)	9	0	15	0-13: BW correction strength level setting 1 (weak) -> 13 (strong), 0: no correction 14: For development tests (use is prohibited) 15: Countermeasure parts for undetected areas, for uninstalled devices * Default values are different depending on the product.		O	O

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-243	Black Line Correction Test Mode	0	0	7	Test Mode Setting for designing Black Line Correction Parameter. '0' means normal operation.		O	O
715-244	BW Correction Table	0	0	7	BW Correction Table Customized Registration (BWC) '0' means BW Correction function is canceled.		O	O
715-249	IIT Diag Operation Control	0	0	2	This NVM controls the IIT Diag. 0: Do not change the operation to follow this NVM (= operate according to the IIT Diag specifications) 1: Do not perform IIT Diag for the DADF (= do not notify AdfMaintenanceRequest to the DADF) 2: Do not perform IIT Diag for the whole IIT (IISS, DADF, Daimajin) (= when notifying DeviceCapabilitiesUpdate to the Cont, notify 00H: IIT Diag Function Disabled)		O	O
715-280	HOSEI_SCAN (for detection)	3	0	6	Correction Coefficient Number. Adjusted at ex-factory.		O	O
715-281	HOSEI_SCAN (for images)	1	0	4	Correction Coefficient Number. Adjusted at ex-factory.		O	O
715-282	CCD Calib Y Scan Red	0	0	1023	Red value when scanning CCD Calib Y Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
715-283	CCD Calib Y Scan Green	0	0	1023	Green value when scanning CCD Calib Y Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
715-284	CCD Calib Y Scan Blue	0	0	1023	Blue value when scanning CCD Calib Y Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
715-285	CCD Calib M Scan Red	0	0	1023	Red value when scanning CCD Calib M Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
715-286	CCD Calib M Scan Green	0	0	1023	Green value when scanning CCD Calib M Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
715-287	CCD Calib M Scan Blue	0	0	1023	Blue value when scanning CCD Calib M Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
715-288	CCD Calib C Scan Red	0	0	1023	Red value when scanning CCD Calib C Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
715-289	CCD Calib C Scan Green	0	0	1023	Green value when scanning CCD Calib C Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
715-290	CCD Calib C Scan Blue	0	0	1023	Blue value when scanning CCD Calib C Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
715-291	CCD Calib PK Scan Red	0	0	1023	Red value when scanning CCD Calib PK Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
715-292	CCD Calib PK Scan Green	0	0	1023	Green value when scanning CCD Calib PK Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
715-293	CCD Calib PK Scan Blue	0	0	1023	Blue value when scanning CCD Calib PK Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
715-300	A6/Postcard Document Judgment Switching	0	0	2	0: The default in the Table 1: A6 SEF 2: Japanese Postcard SEF (mm series) or Postcard SEF (inch series)		O	O
715-302	A4 SEF/8.5 inch Detection Switching 2	3	0	6	0: 210 mm, 1: 211 mm, 2: 212 mm, 3: 213 mm, 4: 214 mm, 5: 215 mm, 6: 216 mm		O	O

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-303	B5/8x10 Detection Switching	0	0	3	0: The default in the Table 1: Detect as B5 LEF or Executive LEF 2: Detect as 8x10 LEF/8x10.5 LEF Mixed 3: For design verification, performance not guaranteed		<input type="radio"/>	<input type="radio"/>
715-305	8.5x13/8.5x14 Detection Switching	0	0	3	0: The default in the Table 1: For design verification, performance not guaranteed 2: 13 inch 3: 14 inch		<input type="radio"/>	<input type="radio"/>
715-306	Special Document Detection Table Selection	0	0	2	0: Special documents not supported 1: A4 LEF when APS is OFF and A3 when APS is ON 2: Letter LEF when APS is OFF and 17 inch when APS is ON		<input type="radio"/>	<input type="radio"/>
715-307	Document Size Detection Table Switching	2	1	5	1: Inch 13-2 2: mm-2 3: mm 4: Inch 13-1 5: Inch 14		<input type="radio"/>	<input type="radio"/>
715-310	A3/11x17 Detection Switching	0	0	3	0: The default in the Table 1: A3 SEF 2: For design verification, performance not guaranteed 3: Detect as A3 SEF/11x17 SEF Mixed		<input type="radio"/>	<input type="radio"/>
715-311	A4/8.5x11 Detection Switching	0	0	3	0: The default in the Table 1: A4 LEF 2: For design verification, performance not guaranteed 3: Detect as 8.5x11 LEF/A4 LEF Mixed		<input type="radio"/>	<input type="radio"/>
715-312	Non-standard/A6 SEF Threshold Value Setting	90	50	110	Changes the Fast Scan direction threshold value for Non-standard, as well as Japanese Postcard SEF, Postcard SEF, and A6 SEF. When other than 50 to 110 has been set, the Fast Scan direction threshold value is 90 mm. 50: 50 mm [Down] (1 mm increment/step) 110: 110 mm	1 mm	<input type="radio"/>	<input type="radio"/>
715-344	Original Size Detection, Platen Background Countermeasure for Dirt	0	0	3	0: Detection by 4 registers 1: Detection by 3 registers (countermeasure for dirt)		<input type="radio"/>	<input type="radio"/>
715-345	GCO/TFX Size Switching	1	0	1	0: GCO (16K/8K = 270x195/270x390) 1: TFX (16K/8K = 267x194/267x388)		<input type="radio"/>	<input type="radio"/>
715-346	B4/8K Fast Scan Threshold Value Setting	3	0	6	0: 256 mm, 1: 258 mm, 2: 260 mm, 3: 262 mm, 4: 264 mm, 5: 266 mm, 6: 268 mm		<input type="radio"/>	<input type="radio"/>
715-347	8K/11x17 SEF Fast Scan Threshold Value Setting	3	0	6	0: 269 mm, 1: 271 mm, 2: 273 mm, 3: 275 mm, 4: 277 mm, 5: 279 mm, 6: 281 mm		<input type="radio"/>	<input type="radio"/>
715-349	B6/5x7 Detection Switching	0	0	2	0: The default in the Table 1: B6 SEF 2: 5x7 SEF		<input type="radio"/>	<input type="radio"/>
715-362	FL_CHK_NG_Count	0	0	65535	Lamp Check NG Count (Reset when lamp is replaced)		<input type="radio"/>	<input type="radio"/>
715-363	FL_CHK_NG_Data	0	0	1023	Data obtained when Lamp Check is NG (Blank scan data of G compared at checking)		<input type="radio"/>	<input type="radio"/>
715-418	AOC Flow Abnormal End Count	0	0	255	No. of times the AOC flow has ended abnormally		<input type="radio"/>	<input type="radio"/>

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-491	Metamerism Improvement Parameter Selection NVM	0	0	2	Changes the Pre IPS forward parameter (ENL/FMC) to align the gradient of the color with poor reproducibility and improve the color difference. 0: Disabled (the forward parameter that was selected at LED Calib) 1: Metamerism strength + 2: Metamerism strength ++		O	O
715-600	Speed Priority Background Suppression/Fast Scan Non-detection Area 1	255	0	65535	Speed Priority AE/Fast Scan Direction Non-detection Area INSTV. At SMPST, SMPED setting.		O	O
715-601	Speed Priority Background Suppression/Fast Scan Non-detection Area 2	255	0	65535	Speed Priority AE/Fast Scan Direction Non-detection Area INSTV. At HAEFST, HAEFSE setting.		O	O
715-602	Speed Priority Background Suppression/Fast Scan Non-detection Area 3	255	0	65535	Speed Priority AE/Fast Scan Direction Non-detection Area INSTV. At MAEFST, MAEFSE setting. (* Also used as detection area for PreIPS noise removal)		O	O
715-603	Speed Priority Background Suppression/Fast Scan Non-detection Area 4	255	0	65535	Speed Priority AE/Fast Scan Direction Non-detection Area INSTV. At NAEFST, NAEFSE setting.		O	O
715-604	Speed Priority Background Suppression/Slow Scan Direction Fixed Position	60	0	255	Speed Priority AE/Slow Scan Direction Variable Fixed Position/NCON. Slow Scan Lead Edge AE Detection Amount (1 step = 0.16 mm).	0.16 mm	O	O
715-605	Speed Priority Background Suppression/Slow Scan Direction End Position (For HAE)	240	0	65535	Speed Priority AE/Slow Scan Direction End Position Slow Scan Lead Edge AE Detection Amount HAESSE		O	O
715-606	Speed Priority Background Suppression/Slow Scan Direction End Position (For MAE)	240	0	65535	Speed Priority AE/Slow Scan Direction End Position Slow Scan Lead Edge AE Detection Amount MAESSE (* Also used as detection area for PreIPS noise removal)		O	O
715-607	Speed Priority Background Suppression/Slow Scan Direction End Position (For NAE)	240	0	65535	Speed Priority AE/Slow Scan Direction End Position Slow Scan Lead Edge AE Detection Amount NAESSE		O	O
715-608	LIM Control For BW Copy	1	0	1	LIM Control mode		O	O
715-609	LIM Control For Color Copy	1	0	1	LIM Control mode		O	O
715-610	LIM Control At Fax, Binary Scan	1	0	1	LIM Control mode		O	O
715-611	LIM Control At Multi-value Scan	1	0	1	LIM Control mode		O	O
715-612	Speed Priority Background Suppression Threshold Value (HAE)	127	0	255	HAE Histogram threshold value Set in increments of 100/255% HAETH		O	O
715-613	Speed Priority Background Suppression Threshold Value (NAE1)	31	0	255	NAE Block threshold value (Color Block threshold value) Set in increments of 100/255% NAEBLKTHC		O	O
715-614	Speed Priority Background Suppression Threshold Value (NAE2)	192	0	255	NAE Block threshold value (Specified Color Block threshold value) Set in increments of 100/255% NAEBLKTHY		O	O
715-615	Speed Priority Background Suppression Threshold Value (NAE3)	8	0	65535	NAE Color Line threshold value Specify the no. of lines NAETHC		O	O

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-616	Speed Priority Background Suppression Threshold Value (NAE4)	4	0	65535	NAE Color Line threshold value Specify the no. of lines NAETHY		O	O
715-617	AE Control of FS Length	0	0	1	0: Always use the document size detection result 1: Use the input document size as the detection size For AES parameter calculation		O	O
715-618	Minimum FS Length for AE.	500	1	65535	Fast Scan Detection Min width (1 step = 0.1 mm) For calculating AES parameter.	0.1 mm	O	O
715-619	AE Parameter SS R/E Correction Upper Limit 1	4000	250	4000	Slow Scan Detection Max width (1 step = 0.1%) For RAE	0.1%	O	O
715-620	AE Parameter SS R/E Correction Upper Limit 2	4000	250	4000	Slow Scan Detection Max width (1 step = 0.1%) For MAE	0.1%	O	O
715-621	AE Parameter SS R/E Correction Upper Limit 3	4000	250	4000	Slow Scan Detection Max width (1 step = 0.1%) For HAE	0.1%	O	O
715-622	AE Parameter SS R/E Correction Upper Limit 4	4000	250	4000	Slow Scan Detection Max width (1 step = 0.1%) For NAE	0.1%	O	O
715-629	Background Suppression Offset Level for Fax Binary Scan Text Mode (Normal, Light (Pencil))	0	0	8191	0 bit to 3 bit, Platen 0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 4 bit to 7 bit, CVT & DADF 0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 8 bit to 11 bit, CIS 0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 12 bit: Availability of this register - 1: Available		O	O
715-630	Background Suppression Level for BW Copy, Fax, Binary Scan Photo & Text Mode (Print, Photograph, Copy)	0	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS (* Also used as the PreIPS EAER_DAT Removal Level)		O	O
715-631	Background Suppression Offset Level for BW Copy, Fax, Binary Scan Photo & Text Mode (Print, Photograph, Copy)	273	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS		O	O
715-632	Background Suppression Level for BW Copy, Fax, Binary Scan Text Mode (Normal, Light (Pencil))	0	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS (* Also used as the PreIPS EAER_DAT Removal Level)		O	O

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-633	Background Suppression Offset Level for BW Copy, Fax, Binary Scan Text Mode (Normal, Light (Pencil))	273	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS		○	○
715-636	Background Suppression Level for BW Copy, Fax, Binary Scan Text Mode (Tracing Paper)	0	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS (* Also used as the PreIPS EAER_DAT Removal Level)		○	○
715-637	Background Suppression Offset Level for BW Copy, Fax, Binary Scan Text Mode (Tracing Paper)	273	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS		○	○
715-638	Background Suppression Level for Color Copy Photo & Text Mode (Print, Photograph, Copy, Inkjet Originals, Highlighted Originals)	0	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS Linked with TOOLS (Determine the Parameter Selection Level by adding the TOOLS value (level 0 to 4) and the NVM Level (level 0 to 4). When the added value is at Level 4 or higher, it is set to Level 4) (* Also used as the PreIPS EAER_DAT Removal Level)		○	○
715-639	Background Suppression Offset Level for Color Copy Photo & Text Mode (Print, Photograph, Copy, Inkjet Originals, Highlighted Originals)	0	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS		○	○
715-640	Background Suppression Level for Color Copy Text Mode (Normal)	0	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS Linked with TOOLS (Determine the Parameter Selection Level by adding the TOOLS value (level 0 to 4) and the NVM Level (level 0 to 4). When the added value is at Level 4 or higher, it is set to Level 4) (* Also used as the PreIPS EAER_DAT Removal Level)		○	○

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-641	Background Suppression Offset Level for Color Copy Text Mode (Normal)	0	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS		○	○
715-642	Background Suppression Level for BW Multi-value Scan (Photo & Text, Text)	819	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS (* Also used as the PreIPS EAER_DAT Removal Level)		○	○
715-643	Background Suppression Offset Level for BW Multi-value Scan (Photo & Text, Text)	0	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS		○	○
715-644	Background Suppression Level for BW Multi-value Scan (Modes other than 715-642)	273	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS (* Also used as the PreIPS EAER_DAT Removal Level)		○	○
715-645	Background Suppression Offset Level for BW Multi-value Scan (Modes other than 715-643)	0	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS		○	○
715-646	Background Suppression Level for Color Multi-value Scan (Photo & Text / Printed Original, Text)	0	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS Linked with TOOLS (Determine the Parameter Selection Level by adding the TOOLS value (level 0 to 4) and the NVM Level (level 0 to 4). When the added value is at Level 4 or higher, it is set to Level 4) (* Also used as the PreIPS EAER_DAT Removal Level)		○	○
715-647	Background Suppression Offset Level for Color Multi-value Scan (Photo & Text / Printed Original, Text)	0	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS		○	○

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-648	Background Suppression Level for Color Multi-value Scan (Modes other than 715-646)	273	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS (* Also used as the PreIPS EAER_DAT Removal Level)		<input type="radio"/>	<input type="radio"/>
715-649	Background Suppression Offset Level for Color Multi-value Scan (Modes other than 715-647)	0	0	4095	0: Strength Level 0 (standard), 1: Strength Level 1, 2: Strength Level 2, 3: Strength Level 3, 4: Strength Level 4, 5 to 15 and above: Strength Level 0 (standard) 0 bit to 3 bit, Platen 4 bit to 7 bit, CVT & DADF 8 bit to 11 bit, CIS		<input type="radio"/>	<input type="radio"/>
715-660	2 Sided AE Control Parameter Multiplication Coefficient for Lower Limit Value	0	0	255	Used when calculating the HAE background value. 1/255 units. 255 indicates 1.		<input type="radio"/>	<input type="radio"/>
715-661	2 Sided AE Control Parameter Upper Limit Value Multiplication Coefficient	255	0	255	Used when calculating the HAE background value. Set such that Upper Limit Value multiplication coefficient + Lower Limit Value multiplication coefficient = 255. 1/255 units. 255 indicates 1.		<input type="radio"/>	<input type="radio"/>
715-662	2 Sided AE Control Parameter Compare Margin OFST	8	0	255	The value added (or subtracted) when comparing the RAE background value and the HAE background value. When the value is large, Side 2 cannot be selected.		<input type="radio"/>	<input type="radio"/>
715-663	2 Sided AE Control Parameter Background Level Threshold Value LEVEL_N	16	0	255	The value used to compare with the HAE background value when selecting 2 Sided. 2 Sided is not selected if this NVM is not reached for the HAE background value.		<input type="radio"/>	<input type="radio"/>
715-664	2 Sided AE Control Parameter Force Select	0	0	2	0: 2 Sided AE Control, 1: Force 1 Sided (L0) selection 2: Force to output Side 2 (L1)		<input type="radio"/>	<input type="radio"/>
715-669	Tracing Paper Mode Setting	0	0	1	0: Normal, 1: Tracing Paper mode (* Used as PreIPS C mode as well)		<input type="radio"/>	<input type="radio"/>
715-680	Default Color Balance Adjustment Level Y Color Low Density	4	0	8	Default Color Balance Adjustment Level Y Color Low Density		<input type="radio"/>	<input type="radio"/>
715-681	Default Color Balance Adjustment Level Y Color Medium Density	4	0	8	Default Color Balance Adjustment Level Y Color Medium Density		<input type="radio"/>	<input type="radio"/>
715-682	Default Color Balance Adjustment Level Y Color High Density	4	0	8	Default Color Balance Adjustment Level Y Color High Density		<input type="radio"/>	<input type="radio"/>
715-683	Default Color Balance Adjustment Level M Color Low Density	4	0	8	Default Color Balance Adjustment Level M Color Low Density		<input type="radio"/>	<input type="radio"/>
715-684	Default Color Balance Adjustment Level M Color Medium Density	4	0	8	Default Color Balance Adjustment Level M Color Medium Density		<input type="radio"/>	<input type="radio"/>
715-685	Default Color Balance Adjustment Level M Color High Density	4	0	8	Default Color Balance Adjustment Level M Color High Density		<input type="radio"/>	<input type="radio"/>
715-686	Default Color Balance Adjustment Level C Color Low Density	4	0	8	Default Color Balance Adjustment Level C Color Low Density		<input type="radio"/>	<input type="radio"/>
715-687	Default Color Balance Adjustment Level C Color Medium Density	4	0	8	Default Color Balance Adjustment Level C Color Medium Density		<input type="radio"/>	<input type="radio"/>

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-688	Default Color Balance Adjustment Level C Color High Density	4	0	8	Default Color Balance Adjustment Level C Color High Density		O	O
715-689	Default Color Balance Adjustment Level K Color Low Density	4	0	8	Default Color Balance Adjustment Level K Color Low Density		O	O
715-690	Default Color Balance Adjustment Level K Color Medium Density	4	0	8	Default Color Balance Adjustment Level K Color Medium Density		O	O
715-691	Default Color Balance Adjustment Level K Color High Density	4	0	8	Default Color Balance Adjustment Level K Color High Density		O	O
715-692	BW Copy Density Settings Fine Adjustment, Photo Mode, Lighten +3	0	0	64	Density Fine Adjustment. Divide by 64 to obtain the coefficient. Can be set from 0 to 64. However, 0 indicates 64.		O	O
715-693	BW Copy Density Settings Fine Adjustment, Photo Mode, Lighten +2	0	0	64	Density Fine Adjustment. Divide by 64 to obtain the coefficient. Can be set from 0 to 64. However, 0 indicates 64.		O	O
715-694	BW Copy Density Settings Fine Adjustment, Photo Mode, Lighten +1	0	0	64	Density Fine Adjustment. Divide by 64 to obtain the coefficient. Can be set from 0 to 64. However, 0 indicates 64.		O	O
715-695	New Dual Color Control	6	0	15	New Dual Color Reproducibility Control (This can be used to individually set the Dual Color mode for each Image mode.) 0 bit: Text mode 0: Normal (same as AP/DC-IV C5570G) [default] 1: 1401 Alpha system (Yellow not reproduced) 1 bit: Photo & Text mode 0: Normal (same as AP/DC-IV C5570G) 1: 1401a system (Yellow not reproduced) [default] 2 bit: Photo mode 0: Normal (same as AP/DC-IV C5570G) 1: 1401a system (Yellow not reproduced) [default] 3 bit: Map mode 0: Normal (same as AP/DC-IV C5570G) [default] 1: 1401 Alpha system (Yellow not reproduced)		O	O
715-702	Fast Scan Reduce/Enlarge Correction Value (at PLATEN/BELT DADF Scan)	50	0	100	R/E fine adjustment in Fast Scan Direction. Specify within the range of 0 and 100 in increments of 1. The value indicates the fine adjustment with 0 = -5%, 50 = 0% and 100 = 5% at +/-5% (0.1% increments). (Not adjusted at ex-factory)		O	O
715-703	Fast Scan Reduce/Enlarge Correction Value (at CVT Scan)	50	0	100	R/E fine adjustment in Fast Scan Direction. Specify within the range of 0 and 100 in increments of 1. The value indicates the fine adjustment with 0 = -5%, 50 = 0% and 100 = 5% at +/-5% (0.1% increments). (Not adjusted at ex-factory)		O	O

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-704	IPS Through Setting 1	0	0	65535	IPS Through Setting 1. D'0: AES D'1: DF39 D'2: SSR D'3: FSRE D'4: NSP D'5: 4DLUT D'6: 5AER D'7: 5MUL D'8: 5MWA D'9: 4AER D'10: 4MUL D'11: TRC D'12: ED D'13: DIRECT D'14: SHIPS-AMAOSEL, CIELO-SSX2_TH * As the New IISS is PRATO, there is no control for this bit. D'15: CIELO-GSF_TH * As the New IISS is PRATO, there is no control for this bit. The specified bit value is: B'0: Unchanged, B'1: Forced through.		O	O
715-705	IPS Through Setting 2	0	0	65535	IPS Through Setting 2. Set the 4DLUT Through mode. This setting is valid only when [IPS Bypass Setting 1] is set to force through the 4DLUT. Change a value at S/W & H/W DEBUG. 0: L*a*b* through from Y block 1: L*a*b* through from M block 2: L*a*b* through from C block 3: L*a*b* through from K block 4: L* through from YMCK block 5: a* through from YMCK block 6: b* through from YMCK block 7 to 65535: 0h output		O	O
715-720	B/W COPY Text Normal Density Adjustment	128	0	256	B/W COPY Text Normal Density Adjustment		O	O
715-721	B/W COPY Text Darken +3 Density Adjustment	128	0	256	B/W COPY Text Darken +3 Density Adjustment		O	O
715-722	Scan/Fax Text Normal Density Adjustment	128	0	256	Scan/Fax Text Normal Density Adjustment		O	O
715-723	Scan/Fax Text Darken +3 Density Adjustment	128	0	256	Scan/Fax Text Darken +3 Density Adjustment		O	O
715-724	For Speed Priority Background Suppression/ Slow Scan Non-detection Area Platen Jobs	0	0	65535	Slow Scan Non-detection Area Setup Value at Real Time AE for Platen Jobs. BASE, HAEST, MAESST, NAESS		O	O
715-725	For Speed Priority Background Suppression/ Slow Scan Non-detection Area DADF Jobs	0	0	65535	Slow Scan Non-detection Area Setup Value at Real Time AE for DADF Jobs. Or, Slow Scan Non-detection area Setup Value at Real Time AE for CVT Jobs. BASE, HAEST, MAESST, NAESS		O	O
715-780	B-Hue Start Degree	270	0	360	1 degree increment/step. When Start > End, it means End to 360 degree and 0 degree to Start.		O	O

Table 1 NVM 715 IISS LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
715-781	B-Hue End Degree	320	0	360	1 degree increment/step. When Start > End, it means End to 360 degree and 0 degree to Start.		O	O
715-782	G-Hue Start Degree	110	0	360	1 degree increment/step. When Start > End, it means End to 360 degree and 0 degree to Start.		O	O
715-783	G-Hue End Degree	200	0	360	1 degree increment/step. When Start > End, it means End to 360 degree and 0 degree to Start.		O	O
715-784	R-Hue Start Degree	350	0	360	1 degree increment/step. When Start > End, it means End to 360 degree and 0 degree to Start.		O	O
715-785	R-Hue End Degree	60	0	360	1 degree increment/step. When Start > End, it means End to 360 degree and 0 degree to Start.		O	O
715-786	Y-Hue Start Degree	60	0	360	1 degree increment/step. When Start > End, it means End to 360 degree and 0 degree to Start.		O	O
715-787	Y-Hue End Degree	120	0	360	1 degree increment/step. When Start > End, it means End to 360 degree and 0 degree to Start.		O	O
715-788	M-Hue Start Degree	320	0	360	1 degree increment/step. When Start > End, it means End to 360 degree and 0 degree to Start.		O	O
715-789	M-Hue End Degree	10	0	360	1 degree increment/step. When Start > End, it means End to 360 degree and 0 degree to Start.		O	O
715-790	C-Hue Start Degree	190	0	360	1 degree increment/step. When Start > End, it means End to 360 degree and 0 degree to Start.		O	O
715-791	C-Hue End Degree	280	0	360	1 degree increment/step. When Start > End, it means End to 360 degree and 0 degree to Start.		O	O
715-850	Scan Replacement Life Count (upper digits)	91	0	65535	Scan Replacement Life Count (upper digits) (Write not permitted): 6,000,000 times (including Pre Scan)		X	X
715-851	Scan Replacement Life Count (lower digits)	36224	0	65535	Scan Replacement Life Count (lower digits) (Write not permitted)		X	X
715-872	Lamp ON Time Replacement Life Count (upper digits)	109	0	65535	Lamp ON Time Replacement Life Count (upper digits) (Write not permitted) : 7,200,000 s (2000 hr)		X	X
715-873	Lamp ON Time Replacement Life Count (lower digits)	56576	0	65535	Lamp ON Time Replacement Life Count (lower digits) (Write not permitted)		X	X
715-895	Lamp ON Replacement Life Count (upper digits)	91	0	65535	Lamp ON Replacement Life Count (upper digits) (Write not permitted) : 6,000,000 times		X	X
715-896	Lamp ON Replacement Life Count (lower digits)	36224	0	65535	Lamp ON Replacement Life Count (lower digits) (Write not permitted)		X	X

6.3.11 NVM 716 IISS Extension LIST

Table 1 NVM 716 IISS Extension LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
716-011	Fail Status 1A	0	0	65535	Displays the cause of occurrence for CIS Fail (65-225).		X	O
716-012	Fail Status 1B	0	0	65535	Displays the cause of occurrence for CIS Fail (65-225).		X	O
716-013	Fail Status 1C	0	0	65535	Displays the cause of occurrence for CIS Fail (65-225).		X	O
716-014	Fail Status 1D	0	0	65535	Displays the cause of occurrence for CIS Fail (65-225).		X	O
716-015	Fail Status 1E	0	0	65535	Displays the cause of occurrence for CIS Fail (65-225).		X	O
716-016	Fail Status 1F	0	0	65535	Displays the cause of occurrence for CIS Fail (65-225).		X	O
716-017	Fail Status 2A	0	0	65535	Displays the cause of occurrence for Connection Fail (65-223).		X	O
716-018	Fail Status 2B	0	0	65535	Displays the cause of occurrence for Connection Fail (65-223).		X	O
716-019	Fail Status 3	0	0	65535	Displays the cause of occurrence for AGC Fail (65-221).		X	O
716-020	Fail Status 4	0	0	65535	Displays the cause of occurrence for AOC Fail (65-222).		X	O
716-021	Fail Status 5	0	0	65535	Displays the cause of occurrence for Device Fail (65-224).		X	O
716-022	Fail Count 1	0	0	65535	Displays the number of occurrence times for CIS Fail (65-225).		X	X
716-023	Fail Count 2	0	0	65535	Displays the number of occurrence times for Connection Fail (65-223).		X	X
716-024	Fail Count 3	0	0	65535	Displays the number of occurrence times for AGC Fail (65-221).		X	X
716-025	Fail Count 4	0	0	65535	Displays the number of occurrence times for AOC Fail (65-222).		X	X
716-026	Fail Count 5	0	0	65535	Displays the number of occurrence times for Device Fail (65-224).		X	X
716-027	Fail History 1	0	0	65535	Records the value for the Fail Status 1A at the occurrence of the Fail.		X	O
716-028	Fail History 2	0	0	65535	Records the value for the Fail Status 2A at the occurrence of the Fail.		X	O
716-029	Fail History 3	0	0	65535	Records the value for the Fail Status 3 at the occurrence of the Fail.		X	O
716-030	Fail History 4	0	0	65535	Records the value for the Fail Status 4 at the occurrence of the Fail.		X	O
716-031	Fail History 5	0	0	65535	Records the value for the Fail Status 5 at the occurrence of the Fail.		X	O
716-032	CIS Serial Number 1	0	0	65535	Displays the production year & month of the CIS.		O	X
716-033	CIS Serial Number 2	0	0	15	Displays the production tester number of the CIS.		O	X
716-034	CIS Serial Number 3	0	0	65535	Displays the serial number of the CIS.		O	X
716-035	Fixed Value for IISS Register Setting (0)	0	0	0	Use this to set fix the setting to '0' for the parameter that sets the register by NVM specification. (E.g. Daimajin Mode Parameter)		X	O
716-045	Post-Job Shading Availability for Daimajin	0	0	1	Controls whether to perform the process at Daimajin side for the Post-Job Shading. 0: Do not perform 1: Perform		O	O
716-066	Batch Write Value for SS Tail Registration Adjustment Value	122	0	244	(Adjustment value) Common registration adjustment base value at the SS Tail for all speeds		O	X
716-067	Batch Write Value for SS Lead Registration Adjustment Value	122	0	244	(Adjustment value) Common registration adjustment base value at the SS Lead for all speeds		O	X
716-068	Batch Write Value for FS Registration Adjustment Value	120	0	240	(Adjustment value) Common FS registration adjustment base value for all document sizes		O	X
716-069	Batch Write Value for SS R/E Ratio Adjustment Value	100	80	120	(Adjustment value) Common SS R/E ratio adjustment base value for all speeds		O	X

Table 1 NVM 716 IISS Extension LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
716-070	SS Tail Registration Adjustment Value for 55 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 55 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-071	SS Tail Registration Adjustment Value for 73.3 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 73.3 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-072	SS Tail Registration Adjustment Value for 82.5 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 82.5 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-073	SS Tail Registration Adjustment Value for 110 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 110 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-074	SS Tail Registration Adjustment Value for 146.7 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 146.7 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-075	SS Tail Registration Adjustment Value for 165 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 165 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-076	SS Tail Registration Adjustment Value for 220 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 220 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-078	SS Tail Registration Adjustment Value for 293.3 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 293.3 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-079	SS Tail Registration Adjustment Value for 330 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 330 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-080	SS Tail Registration Adjustment Value for 350 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 350 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-081	SS Tail Registration Adjustment Value for 440 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 440 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-082	SS Tail Registration Adjustment Value for 460 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 460 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-083	SS Tail Registration Adjustment Value for 525 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 525 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-084	SS Tail Registration Adjustment Value for 660 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 660 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-085	SS Tail Registration Adjustment Value for 700 mm/s	122	0	244	Registration adjustment offset value at the SS Tail for 700 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-087	SS Lead Registration Adjustment Value for 55 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 55 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-088	SS Lead Registration Adjustment Value for 73.3 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 73.3 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-089	SS Lead Registration Adjustment Value for 82.5 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 82.5 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-090	SS Lead Registration Adjustment Value for 110 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 110 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-091	SS Lead Registration Adjustment Value for 146.7 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 146.7 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-092	SS Lead Registration Adjustment Value for 165 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 165 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-093	SS Lead Registration Adjustment Value for 220 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 220 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-095	SS Lead Registration Adjustment Value for 293.3 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 293.3 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-096	SS Lead Registration Adjustment Value for 330 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 330 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-097	SS Lead Registration Adjustment Value for 350 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 350 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-098	SS Lead Registration Adjustment Value for 440 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 440 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-099	SS Lead Registration Adjustment Value for 460 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 460 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-100	SS Lead Registration Adjustment Value for 525 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 525 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-101	SS Lead Registration Adjustment Value for 660 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 660 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-102	SS Lead Registration Adjustment Value for 700 mm/s	122	0	244	Registration adjustment offset value at the SS Lead for 700 mm/s (Unit: 0.1 mm)	0.1 mm	O	O
716-104	FS Registration Adjustment Value for Document FS Size 1	120	0	240	FS registration adjustment offset value for document FS size 1 (Unit: 0.1 mm)	0.1 mm	O	O
716-105	FS Registration Adjustment Value for Document FS Size 2	120	0	240	FS registration adjustment offset value for document FS size 2 (Unit: 0.1 mm)	0.1 mm	O	O
716-106	FS Registration Adjustment Value for Document FS Size 3	120	0	240	FS registration adjustment offset value for document FS size 3 (Unit: 0.1 mm)	0.1 mm	O	O
716-107	FS Registration Adjustment Value for Document FS Size 4	120	0	240	FS registration adjustment offset value for document FS size 4 (Unit: 0.1 mm)	0.1 mm	O	O
716-108	FS Registration Adjustment Value for Document FS Size 5	120	0	240	FS registration adjustment offset value for document FS size 5 (Unit: 0.1 mm)	0.1 mm	O	O
716-109	FS Registration Adjustment Value for Document FS Size 6	120	0	240	FS registration adjustment offset value for document FS size 6 (Unit: 0.1 mm)	0.1 mm	O	O
716-110	FS Registration Adjustment Value for Document FS Size 7	120	0	240	FS registration adjustment offset value for document FS size 7 (Unit: 0.1 mm)	0.1 mm	O	O
716-111	FS Registration Adjustment Value for Document FS Size 8	120	0	240	FS registration adjustment offset value for document FS size 8 (Unit: 0.1 mm)	0.1 mm	O	O

Table 1 NVM 716 IISS Extension LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
716-112	FS Registration Adjustment Value for Document FS Size 9	120	0	240	FS registration adjustment offset value for document FS size 9 (Unit: 0.1 mm)	0.1 mm	O	O
716-114	SS R/E Ratio Adjustment Value for 55 mm/s	100	80	120	SS R/E ratio adjustment offset value at 55 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-115	SS R/E Ratio Adjustment Value for 73.3 mm/s	100	80	120	SS R/E ratio adjustment offset value at 73.3 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-116	SS R/E Ratio Adjustment Value for 82.5 mm/s	100	80	120	SS R/E ratio adjustment offset value at 82.5 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-117	SS R/E Ratio Adjustment Value for 110 mm/s	100	80	120	SS R/E ratio adjustment offset value at 110 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-118	SS R/E Ratio Adjustment Value for 146.7 mm/s	100	80	120	SS R/E ratio adjustment offset value at 146.7 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-119	SS R/E Ratio Adjustment Value for 165 mm/s	100	80	120	SS R/E ratio adjustment offset value at 165 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-120	SS R/E Ratio Adjustment Value for 220 mm/s	100	80	120	SS R/E ratio adjustment offset value at 220 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-122	SS R/E Ratio Adjustment Value for 293.3 mm/s	100	80	120	SS R/E ratio adjustment offset value at 293.3 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-123	SS R/E Ratio Adjustment Value for 330 mm/s	100	80	120	SS R/E ratio adjustment offset value at 330 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-124	SS R/E Ratio Adjustment Value for 350 mm/s	100	80	120	SS R/E ratio adjustment offset value at 350 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-125	SS R/E Ratio Adjustment Value for 440 mm/s	100	80	120	SS R/E ratio adjustment offset value at 440 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-126	SS R/E Ratio Adjustment Value for 460 mm/s	100	80	120	SS R/E ratio adjustment offset value at 460 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-127	SS R/E Ratio Adjustment Value for 525 mm/s	100	80	120	SS R/E ratio adjustment offset value at 525 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-128	SS R/E Ratio Adjustment Value for 660 mm/s	100	80	120	SS R/E ratio adjustment offset value at 660 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-129	SS R/E Ratio Adjustment Value for 700 mm/s	100	80	120	SS R/E ratio adjustment offset value at 700 mm/s (Unit: 0.1 mm)	0.1%	O	O
716-131	Paper Code Setting	0	0	8	Sets the code for the paper to be used at Auto Shading. 1: J paper, 2: P paper, 3: C2 paper, 4: Green100 paper, 5: Digital Color Xpression, 6: Color Tech+, 7: Xerox4200 paper, 8: Xerox Business Others: Use the value in 716-132 to 134. Adjusted at ex-factory.		O	O
716-150	Paper Dust Detection Threshold Value	300	0	65535	Stores the threshold value for paper dust detection.		O	O
716-196	Factory Setting SD Data Contamination Detection Result	0	0	4095	Displays the contamination detection result for factory setting SD data		X	O
716-197	Paper Dust Detection Calculation Result	0	0	65535	Displays the calculation result for paper dust detection		X	O
716-335	ACS Detection Level	2	0	4	Sets the detection level for ACS. 0: More Black & White, 1: Black & White, 2: Normal, 3: Color, 4: More Color		O	O
716-336	ACS Detection Level Extended Setting	0	0	1	Extended setting for the ACS detection level. 0: Normal, 1: Extended setting		O	O
716-381	HOSEI_SCAN (for detection)	3	0	6	Correction Coefficient Number. Adjusted at ex-factory.		O	O
716-382	HOSEI_SCAN (for images)	3	0	6	Correction Coefficient Number. Adjusted at ex-factory.		O	O
716-383	CCD Calib Y Scan Red	0	0	1023	Red value when scanning CCD Calib Y Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
716-384	CCD Calib Y Scan Green	0	0	1023	Green value when scanning CCD Calib Y Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
716-385	CCD Calib Y Scan Blue	0	0	1023	Blue value when scanning CCD Calib Y Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
716-386	CCD Calib M Scan Red	0	0	1023	Red value when scanning CCD Calib M Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
716-387	CCD Calib M Scan Green	0	0	1023	Green value when scanning CCD Calib M Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X

Table 1 NVM 716 IISS Extension LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
716-388	CCD Calib M Scan Blue	0	0	1023	Blue value when scanning CCD Calib M Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
716-389	CCD Calib C Scan Red	0	0	1023	Red value when scanning CCD Calib C Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
716-390	CCD Calib C Scan Green	0	0	1023	Green value when scanning CCD Calib C Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
716-391	CCD Calib C Scan Blue	0	0	1023	Blue value when scanning CCD Calib C Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
716-392	CCD Calib PK Scan Red	0	0	1023	Red value when scanning CCD Calib PK Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
716-393	CCD Calib PK Scan Green	0	0	1023	Green value when scanning CCD Calib PK Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
716-394	CCD Calib PK Scan Blue	0	0	1023	Blue value when scanning CCD Calib PK Patch (Reflective Ratio LSB). Recorded at ex-factory.		O	X
716-408	Default Color Balance Adjustment Level K Color Low Density	4	0	8	Default Color Balance Adjustment Level K Color Low Density		O	O
716-409	Default Color Balance Adjustment Level K Color Medium Density	4	0	8	Default Color Balance Adjustment Level K Color Medium Density		O	O
716-410	Default Color Balance Adjustment Level K Color High Density	4	0	8	Default Color Balance Adjustment Level K Color High Density		O	O
716-411	Default Color Balance Adjustment Level Y Color Low Density	4	0	8	Default Color Balance Adjustment Level Y Color Low Density		O	O
716-412	Default Color Balance Adjustment Level Y Color Medium Density	4	0	8	Default Color Balance Adjustment Level Y Color Medium Density		O	O
716-413	Default Color Balance Adjustment Level Y Color High Density	4	0	8	Default Color Balance Adjustment Level Y Color High Density		O	O
716-414	Default Color Balance Adjustment Level M Color Low Density	4	0	8	Default Color Balance Adjustment Level M Color Low Density		O	O
716-415	Default Color Balance Adjustment Level M Color Medium Density	4	0	8	Default Color Balance Adjustment Level M Color Medium Density		O	O
716-416	Default Color Balance Adjustment Level M Color High Density	4	0	8	Default Color Balance Adjustment Level M Color High Density		O	O
716-417	Default Color Balance Adjustment Level C Color Low Density	4	0	8	Default Color Balance Adjustment Level C Color Low Density		O	O
716-418	Default Color Balance Adjustment Level C Color Medium Density	4	0	8	Default Color Balance Adjustment Level C Color Medium Density		O	O
716-419	Default Color Balance Adjustment Level C Color High Density	4	0	8	Default Color Balance Adjustment Level C Color High Density		O	O
716-420	Photo & Text Recognition for CIS	4	2	6	Adjust by the difference in level with Side 1. The NVM for Side 1 is 715-701. 2: Lots more Text than Side 1, 3: Slightly more Text than Side 1, 4: Same as Side 1 (default), 5: Slightly more Photo than Side 1, 6: Lots more Photo than Side 1		O	O

Table 1 NVM 716 IISS Extension LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
716-421	Sharpness adjustment for CIS (difference against Side 1)	2	0	4	Indicates the difference in sharpness adjustment against Side 1. 0: 2 levels softer than Side 1, 2: 1 level softer than Side 1, 2: Same as Side 1, 3: 1 level sharper than Side 1, 4: 2 levels sharper than Side 1		O	O
716-426	Speed Priority Background Suppression/Slow Scan Non-detection Area	0	0	65535	Slow Scan Non-detection Setup Value at Real Time AE BASE, HAEST, MAE-SST, NAESS		O	O
716-432	CIS Serial Number 1 History	0	0	65535	Displays the production year & month of the CIS before replacement.		O	X
716-433	CIS Serial Number 2 History	0	0	15	Displays the production tester number of the CIS before replacement.		O	X
716-434	CIS Serial Number 3 History	0	0	65535	Displays the serial number of the CIS before replacement.		O	X
716-456	Color AOC B Color Block 1 Setting Default Value	31	0	63	Displays the B Color Block 1 offset setting default value of Color AOC.		O	O
716-457	Color AOC B Color Block 2 Setting Default Value	31	0	63	Displays the B Color Block 2 offset setting default value of Color AOC.		O	O
716-458	Color AOC B Color Block 3 Setting Default Value	31	0	63	Displays the B Color Block 3 offset setting default value of Color AOC.		O	O
716-459	Color AOC B Color Block 4 Setting Default Value	31	0	63	Displays the B Color Block 4 offset setting default value of Color AOC.		O	O
716-460	Color AOC B Color Block 5 Setting Default Value	31	0	63	Displays the B Color Block 5 offset setting default value of Color AOC.		O	O
716-461	Color AOC B Color Block 6 Setting Default Value	31	0	63	Displays the B Color Block 6 offset setting default value of Color AOC.		O	O
716-462	Color AOC B Color Block 7 Setting Default Value	31	0	63	Displays the B Color Block 7 offset setting default value of Color AOC.		O	O
716-463	Color AOC B Color Block 8 Setting Default Value	31	0	63	Displays the B Color Block 8 offset setting default value of Color AOC.		O	O
716-464	Color AOC G Color Block 1 Setting Default Value	31	0	63	Displays the G Color Block 1 offset setting default value of Color AOC.		O	O
716-465	Color AOC G Color Block 2 Setting Default Value	31	0	63	Displays the G Color Block 2 offset setting default value of Color AOC.		O	O
716-466	Color AOC G Color Block 3 Setting Default Value	31	0	63	Displays the G Color Block 3 offset setting default value of Color AOC.		O	O
716-467	Color AOC G Color Block 4 Setting Default Value	31	0	63	Displays the G Color Block 4 offset setting default value of Color AOC.		O	O
716-468	Color AOC G Color Block 5 Setting Default Value	31	0	63	Displays the G Color Block 5 offset setting default value of Color AOC.		O	O
716-469	Color AOC G Color Block 6 Setting Default Value	31	0	63	Displays the G Color Block 6 offset setting default value of Color AOC.		O	O
716-470	Color AOC G Color Block 7 Setting Default Value	31	0	63	Displays the G Color Block 7 offset setting default value of Color AOC.		O	O
716-471	Color AOC G Color Block 8 Setting Default Value	31	0	63	Displays the G Color Block 8 offset setting default value of Color AOC.		O	O
716-472	Color AOC R Color Block 1 Setting Default Value	31	0	63	Displays the R Color Block 1 offset setting default value of Color AOC.		O	O
716-473	Color AOC R Color Block 2 Setting Default Value	31	0	63	Displays the R Color Block 2 offset setting default value of Color AOC.		O	O
716-474	Color AOC R Color Block 3 Setting Default Value	31	0	63	Displays the R Color Block 3 offset setting default value of Color AOC.		O	O
716-475	Color AOC R Color Block 4 Setting Default Value	31	0	63	Displays the R Color Block 4 offset setting default value of Color AOC.		O	O
716-476	Color AOC R Color Block 5 Setting Default Value	31	0	63	Displays the R Color Block 5 offset setting default value of Color AOC.		O	O
716-477	Color AOC R Color Block 6 Setting Default Value	31	0	63	Displays the R Color Block 6 offset setting default value of Color AOC.		O	O
716-478	Color AOC R Color Block 7 Setting Default Value	31	0	63	Displays the R Color Block 7 offset setting default value of Color AOC.		O	O
716-479	Color AOC R Color Block 8 Setting Default Value	31	0	63	Displays the R Color Block 8 offset setting default value of Color AOC.		O	O

Table 1 NVM 716 IISS Extension LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
716-704	IPS Through Setting 1 for Side 2	0	0	65535	IPS Through Setting 1. (For Side 2 ASIC) [PRATO/SHIPS/CIELO] I [DIPS] D'0: AES I BEXG_TH D'1: DF39 I FSRE_TH D'2: SSR I SSR_TH D'3: FSRE I NSP_TH D'4: NSP I AER_TH D'5: 4DLUT I TRC2_TH D'6: 5AER I ED_TH D'7: 5MUL I SEL_TH D'8: 5MWA I SEL2_TH D'9: 4AER I (spare) D'10: 4MUL I (spare) D'11: TRC I (spare) D'12: ED I (spare) D'13: DIRECT I (spare) D'14: SHIPS-AMAOSEL CIELO-SSX2_TH I (spare) * As the New IISS is PRATO, there is no control for this bit. I D'15: CIELO-GSF_TH I (spare) * As the New IISS is PRATO, there is no control for this bit. I The specified bit value is: B'0: Unchanged, B'1: Forced through.		O	O
716-705	IPS Through Setting 2 for Side 2	0	0	65535	IPS Through Setting 2. Set the 4DLUT Through mode. This setting is valid only when [IPS Bypass Setting 1] is set to force through the 4DLUT. Change a value at S/W & H/W DEBUG. 0: L*a*b* through from Y block 1: L*a*b* through from M block 2: L*a*b* through from C block 3: L*a*b* through from K block 4: L* through from YMCK block 5: a* through from YMCK block 6: b* through from YMCK block 7 to 65535: 0h output		O	O
716-756	Color AOC B Color Block 1 Setting Default Value (New CIS)	3300	0	4095	Displays the B Color Block 1 offset setting default value of New CIS Color AOC.		O	O
716-757	Color AOC B Color Block 2 Setting Default Value (New CIS)	3300	0	4095	Displays the B Color Block 2 offset setting default value of New CIS Color AOC.		O	O
716-758	Color AOC B Color Block 3 Setting Default Value (New CIS)	3300	0	4095	Displays the B Color Block 3 offset setting default value of New CIS Color AOC.		O	O
716-759	Color AOC B Color Block 4 Setting Default Value (New CIS)	3300	0	4095	Displays the B Color Block 4 offset setting default value of New CIS Color AOC.		O	O
716-760	Color AOC B Color Block 5 Setting Default Value (New CIS)	3300	0	4095	Displays the B Color Block 5 offset setting default value of New CIS Color AOC.		O	O

Table 1 NVM 716 IISS Extension LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
716-761	Color AOC B Color Block 6 Setting Default Value (New CIS)	3300	0	4095	Displays the B Color Block 6 offset setting default value of New CIS Color AOC.		O	O
716-762	Color AOC B Color Block 7 Setting Default Value (New CIS)	3300	0	4095	Displays the B Color Block 7 offset setting default value of New CIS Color AOC.		O	O
716-763	Color AOC B Color Block 8 Setting Default Value (New CIS)	3300	0	4095	Displays the B Color Block 8 offset setting default value of New CIS Color AOC.		O	O
716-764	Color AOC G Color Block 1 Setting Default Value (New CIS)	3300	0	4095	Displays the G Color Block 1 offset setting default value of New CIS Color AOC.		O	O
716-765	Color AOC G Color Block 2 Setting Default Value (New CIS)	3300	0	4095	Displays the G Color Block 2 offset setting default value of New CIS Color AOC.		O	O
716-766	Color AOC G Color Block 3 Setting Default Value (New CIS)	3300	0	4095	Displays the G Color Block 3 offset setting default value of New CIS Color AOC.		O	O
716-767	Color AOC G Color Block 4 Setting Default Value (New CIS)	3300	0	4095	Displays the G Color Block 4 offset setting default value of New CIS Color AOC.		O	O
716-768	Color AOC G Color Block 5 Setting Default Value (New CIS)	3300	0	4095	Displays the G Color Block 5 offset setting default value of New CIS Color AOC.		O	O
716-769	Color AOC G Color Block 6 Setting Default Value (New CIS)	3300	0	4095	Displays the G Color Block 6 offset setting default value of New CIS Color AOC.		O	O
716-770	Color AOC G Color Block 7 Setting Default Value (New CIS)	3300	0	4095	Displays the G Color Block 7 offset setting default value of New CIS Color AOC.		O	O
716-771	Color AOC G Color Block 8 Setting Default Value (New CIS)	3300	0	4095	Displays the G Color Block 8 offset setting default value of New CIS Color AOC.		O	O
716-772	Color AOC R Color Block 1 Setting Default Value (New CIS)	3300	0	4095	Displays the R Color Block 1 offset setting default value of New CIS Color AOC.		O	O
716-773	Color AOC R Color Block 2 Setting Default Value (New CIS)	3300	0	4095	Displays the R Color Block 2 offset setting default value of New CIS Color AOC.		O	O
716-774	Color AOC R Color Block 3 Setting Default Value (New CIS)	3300	0	4095	Displays the R Color Block 3 offset setting default value of New CIS Color AOC.		O	O
716-775	Color AOC R Color Block 4 Setting Default Value (New CIS)	3300	0	4095	Displays the R Color Block 4 offset setting default value of New CIS Color AOC.		O	O
716-776	Color AOC R Color Block 5 Setting Default Value (New CIS)	3300	0	4095	Displays the R Color Block 5 offset setting default value of New CIS Color AOC.		O	O
716-777	Color AOC R Color Block 6 Setting Default Value (New CIS)	3300	0	4095	Displays the R Color Block 6 offset setting default value of New CIS Color AOC.		O	O
716-778	Color AOC R Color Block 7 Setting Default Value (New CIS)	3300	0	4095	Displays the R Color Block 7 offset setting default value of New CIS Color AOC.		O	O
716-779	Color AOC R Color Block 8 Setting Default Value (New CIS)	3300	0	4095	Displays the R Color Block 8 offset setting default value of New CIS Color AOC.		O	O

Table 1 NVM 716 IISS Extension LIST

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
716-826	Diag Data Notification Availability for Daimajin Internal Fault Occurrence	0	0	1	Controls whether to notify the IIT Diag Data when an internal fault has occurred at Daimajin. (Internal Fault: a fault is detected but the fault is not notified to the Cont via IL-Open, etc.) 0: Do not notify IIT Diag Data 1: Notify IIT Diag Data		O	O
716-872	Side 2 LED ON Time Replacement Life Count (upper digits)	109	0	65535	Side 2 LED ON Time Replacement Life Count (upper digits) (Write not permitted) : 7,200,000 s (2000 hr)		X	X
716-873	Side 2 LED ON Time Replacement Life Count (lower digits)	56576	0	65535	Side 2 LED ON Time Replacement Life Count (lower digits) (Write not permitted)		X	X

6.3.12 NVM 717 IISS-Yata List

Table 1 NVM 717 IISS-Yata List

Chain-Link	NVM Name	Default Value	Range (Minimum Value)	Range (Maximum Value)	Description	Step	Can be written	Can be initialized
717-002	Color/Black Determination Level for YATAGRS	2	0	4	0: More Black & White 1: Black & White 2: Normal 3: Color 4: More Color		<input type="radio"/>	<input type="radio"/>
717-003	Text Mode for YATAGRS Photo & Text Recognition	2	0	4	0: More Text 1: Text 2: Normal 3: Photo 4: More Photo		<input type="radio"/>	<input type="radio"/>

6.3.13 NVM 720 Cont-Meter List

Table 1 NVM 720 Cont-Meter List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
720-002	Billing Display	1	1~11	1: Billing 1, 2: Billing 2, 3: Billing 3, 4: Billing 4, 5: Billing 5, 6: Billing 6, 7: Billing 7, 8: Billing 8, 9: Billing 9, 10: Billing 10, 11: Billing 11		RW	No	No
720-052	Billing Count Type	0	0~2	0 : Standard 1 : Custom 1 2 : Custom 2		RW	No	No

6.3.14 NVM 730 Cont-Master List

Table 1 NVM 730 Cont-Master List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/ Write	Initialize Sys- USER Area	Initialize Sys- SYSTEM Area
730-011	Total No. of Printed Sides	0	0~	0~ [Only valid for FX]		RW	No	No
730-012	Upper Limit of Printed Sides	9,999,999	0,1~9,999,998	0 : Print prohibited 1~9,999,998 : Upper Limit 9,999,999 : Print free [Only valid for FX]		RW	No	No
730-013	Upper Limit of Printed Sides Warning Display Threshold Value	80 (%)		Percentage (%) of total number of printed sides compared to the upper limit of the number of sides that can be printed. [Only valid for FX]	%	RW	No	No

6.3.15 NVM 740 IOT Manager List

Table 1 NVM 740 IOT Manager List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
740-001	Paper Optional Stop Timer from Side 1 Feed	0	0	200	Specifies the Paper Optional Stop function and stop timer value. (After the Paper Feed has started other than in Duplex, Hard Down will occur after the specified time.) = 0: Paper Optional Stop function OFF ◇ 0: Paper Optional Stop function ON = 1 to 200: Stop Timer Value [100 ms] * Turning the power OFF and ON automatically clears this NVM to '0'.		○	○
740-002	Paper Optional Stop Timer from Side 1 Regi Feed	0	0	200	Specifies the Paper Optional Stop function and stop timer value. (After the Regi Feed has started for the paper Side 1, Hard Down will occur after the specified time.) = 0: Paper Optional Stop function OFF ◇ 0: Paper Optional Stop function ON = 1 to 200: Stop Timer Value [100 ms] * Turning the power OFF and ON automatically clears this NVM to '0'.		○	○
740-003	Paper Optional Stop Timer from IOT Exit Sensor ON	0	0	200	Specifies the Paper Optional Stop function and stop timer value. (After the IOT Exit Sensor of paper Lead Edge turned ON, Hard Down will occur after the specified time.) = 0: Paper Optional Stop function OFF ◇ 0: Paper Optional Stop function ON = 1 to 200: Stop Timer Value [100 ms] * Turning the power OFF and ON automatically clears this NVM to '0'.		○	○
740-004	Power Down Type	0	0	1	Specifies the power OFF operation of each Device in Power Down Sequence. = 0: Power Down for operation (Power OFF operation during the IOT normal operation) ◇ 0: Power Down for shipment (Power OFF operation when the IOT is shipped from the factory) When [Power Down for shipment] is set, [Shipment-specific control of particular parts so that they can withstand the IOT packaging / transportation / installation work] is carried out at Power Down. (This data is reset to [Power Down for operation] after the Power Down is complete.)		○	○

Table 1 NVM 740 IOT Manager List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
740-007	NVM Automatic Update Execution Switch	-2	-2	2	NVM Automatic Update Execution Switch. When this NVM is changed to [NVM Automatic Update Enabled] and the machine is turned OFF and ON, the [Default Value Change After Version Upgrade] is reflected to the appropriate NVM. = 0: NVM Automatic Update Disabled <> 0: NVM Automatic Update Enabled > 0: NVM Automatic Update Enabled - This NVM is cleared to '0' after the NVM Automatic Update is completed. = 1: Unconditional Update (The settings are automatically cleared), = 2: Conditional Update (The settings are automatically cleared) < 0: NVM Automatic Update Enabled - The NVM settings are retained even after the NVM Automatic Update is completed. = -1: Unconditional Update (The settings are permanently retained), = -2: Conditional Update (The settings are permanently retained) The NVM Automatic Update includes the following operations: 1. Unconditional Update: Reflects all the default values that have been changed after Version Upgrade 2. Conditional Update: Reflect the default values that have been changed after Version Upgrade to only the NVM that were initially set to default values		O	O
740-008	Initialize NVM Version	-	10000	10999	Indicates the current NVM initialization level at the IOT version. Specifically, it stores the IOT version at the time the following [Initialize NVM] is executed. 1. The Automatic NVM Initialization at 1st Power ON 2. DC301 NVM Initialize 3. NVM Automatic Update (Turning the power OFF and ON when 740-007 = [NVM Automatic Update Enabled]) At NVM Automatic Update, the NVM default value is updated from the version stored in this NVM to the current operating version		X	X
740-011	Out of Range NVM Data (YY MM DD HH)	-	0	99123123	Stores the latest history data when the NVM value is detected to be out of range. This stores the Year, Month, Day, and Hour of occurrence. (Minutes are not stored) [Sample Storage] = 8121223: (31st December 2008, 23 Hour), = 10010100: (1st January 2010, 00 Hour)		X	O
740-012	Out of Range NVM Data (Chain No., Link No.)	-	0	999999	Stores the latest history data when the NVM value is detected to be out of range. This stores the Chain No. and Link No. of the NVM that was detected to be out of range. [Sample Storage] = 740001: 740-001, = 990013: 990-013		X	O
740-013	Out of Range NVM Data (Value at Error Detection)	-	0	4294967295	Stores the latest history data when the NVM value is detected to be out of range. This stores the value of the NVM that was detected to be out of range.		X	O
740-014	IOT State for STO	0	0	4294967295	Bit 1 to Bit 23: The IOT State when IOT Sequence Time Over occurs = 0: Sequence Time Over has not occurred <> 0: Sequence Time Over has occurred = 000010h: Print Function Change, = 000020h: Power Save, = 000080h: Power Resume, = 000200h: Cycle Up, = 000400h: Print Ready, = 000800h: Cycle Down, = 001000h: Jam Down, = 008000h: Diag Function Change Bit 24: Whether Image Request is sent or not Bit 25: Whether Pitch occurs or not Bit 28 to Bit 31: Cause of occurrence for IOT Sequence Time Over		O	O

Table 1 NVM 740 IOT Manager List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
740-015	Module Response for STO	0	0	4294967295	Stores the Module transition state/occurrence condition when IOT Sequence Time Over occurs. [When the IOT State for 740-014 is other than [Print Ready]] Each bit <> 0: The corresponding Module state transition is complete Each Bit = 0: Waiting for the corresponding Module state transition <Meaning of Each Bit> Bit 2: ROS, Bit 3: P/H, Bit 4: ProCon, Bit 5: Drive, Bit 6: Xero, Bit 7: Deve, Bit 8: X'fer, Bit 9: Fusing Unit, Bit 10: RegiCon, Bit 11: OutCon, Bit 12: Diag [When the IOT State for 740-021 is [Print Ready]] The status change wait ID, the wait time, etc. are stored depending on the cause of occurrence for IOT Sequence Time Over.		0	0
740-016	Setup Exec Bit 1 for STO	0	0	4294967295	Stores the setup execution state in bit units when IOT Sequence Time Over occurs. This can only be viewed when the value of IOT State for 740-014 is [Print Ready]. When the IOT State for 740-014 is other than [Print Ready], '0' will be set. Each Bit <> 0: Setup in progress Each Bit = 0: Setup not performed yet <Meaning of Each Bit> Bit 0: Top Band YMC 1, Bit 1: Top Band YMC 2, Bit 2: Top Band K, Bit 3: 2nd BTR Toner Band, Bit 4: Edge Check&Learn, Bit 5: Edge Learn, Bit 6: Job Start Band, Bit 7: Shld Detect, Bit 8: Deve Decay Mixing 1, Bit 9: Deve Decay Mixing 2, Bit 10: Deve Decay Recovery, Bit 11: Film Thick Detect, Bit 12: Toner Broken FC, Bit 13: Toner Broken BW, Bit 14: Toner Broken 2, Bit 15: Toner Broken 3, Bit 16: Toner Broken 4, Bit 17: Toner Broken Rotate 1, Bit 18: Toner Broken Rotate 2, Bit 19: Toner Broken Rotate 3, Bit 20: Toner Broken Rotate 4, Bit 21: Toner Broken Recovery, Bit 22: Tone Up Down 1, Bit 23: Tone Up Down 2, Bit 24: Tone Up Down 3, Bit 25: Tone Up Down Recovery, Bit 26: Deve K Mixing 1, Bit 27: Deve K Mixing 2, Bit 28: Mixing Recovery, Bit 29: MOB Gain Tuning, Bit 30: MOB Gain Setup, Bit 31: Rough Setup		0	0
740-017	Setup Exec Bit 2 for STO	0	0	4294967295	Stores the setup execution state in bit units when IOT Sequence Time Over occurs. This can only be viewed when the value of IOT State for 740-014 is [Print Ready]. When the IOT State for 740-014 is other than [Print Ready], '0' will be set. Each Bit <> 0: Setup in progress Each Bit = 0: Setup not performed yet <Meaning of Each Bit> Bit 0: Fine Setup, Bit 1: Rough Tuning, Bit 2: Refine Tuning, Bit 3: FineTuning, Bit 4: Color Regi Check, Bit 5: MOB Sensor Check, Bit 6: BTR Setup, Bit 7: Low AC Skip Band, Bit 8: Deve Band YMC Mid, Bit 9: Deve Band K Mid, Bit 10: FC ADC Specular, Bit 11: FC Min Setup, Bit 12: FC Min Setup Retry, Bit 13: BW Min Setup, Bit 14: BW Min Setup Retry, Bit 15: ADC FC Mid, Bit 16: ADC FC Mid Xero Band, Bit 17: ADC BW Mid, Bit 18: ADC FC End, Bit 19: ADC FC End Xero Band, Bit 20: ADC BW End, Bit 21: Deve Band YMC End, Bit 22: Deve Band K End		0	0

Table 1 NVM 740 IOT Manager List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
740-018	Print Instruction 1 for STO	0	0	4294967295	Stores the Print Data that had been planned by Scheduling when IOT Sequence Time Over occurs. This can only be viewed when the value of 740-014 is [Print Ready]. When the value of 740-014 is other than [Print Ready], '0' will be set. Bit 0 to Bit 7: Paper Tray, Bit 8 to Bit 15: Output Tray, Bit 16 to Bit 22: Paper Type, Bit 23: Transparency Options specification, Bit 24 to Bit 28: Paper Weight (gsm), Bit 29: Print Operation Identifier, Bit 30: Paper Transportation Procedures (Simp/Dup), Bit 31: Detection Timing (immediately after the Print operation starts/during the Print operation)		O	O
740-019	Print Instruction 2 for STO	0	0	4294967295	Stores the Print Data that had been planned by Scheduling when IOT Sequence Time Over occurs. This can only be viewed when the value of 740-014 is [Print Ready]. When the value of 740-014 is other than [Print Ready], '0' will be set. Bit 0 to Bit 15: Paper Width Bit 16 to Bit 31: Paper Depth		O	O
740-023	Image Ready NG Result	0	0	4294967295	Bit 0 to Bit 7: The state when Image Ready NG is detected = 0: Image Ready NG has not occurred <> 0: Image Ready NG has occurred = 01h: Specified Time Over, = 02h: The Sheet ID or side difference (including multiple receiving) when Sheet ID <> 0 = 03h: The side difference (including multiple receiving) when Sheet ID = '0', = 04h: Not Ready received for Side 2 = 05h: Continuously receiving Not Ready Bit 8: Whether Image Not Ready has already been received (stored only when Bit 0 to Bit 7 are 2, 3) Bit 9: Whether Image Ready has already been received (stored only when Bit 0 to Bit 7 are 2, 3) Bit 10: IOT Recognition Side Information (stored only when Bit 0 to Bit 7 are 2, 3) Bit 11: Cont Notification Side Information (stored only when Bit 0 to Bit 7 are 2, 3) Bit 16 to Bit 23: IOT Recognition Sheet ID Information Bit 24 to Bit 31: Cont Notification Sheet ID Information (when Not Ready is received continuously, this is the number of times that Not Ready is being continuously received was detected)		O	O
740-030	IOT-PL Product Name	-	0	255	The IOT-PL Product ID that is written in the CPU built-in ROM. When the power is turned ON, the IOT-PL Data is checked and stored into this NVM. 10: Color C75/J75 Press, 11 to 255: No Product ID		X	X
740-031	IOT-PL Number	-	0	255	The IOT-PL management number that is written in the CPU built-in ROM. When the power is turned ON, the IOT-PL Data is checked and stored into this NVM. = 0 to 254: With IOT-PL management number, = 255: Without IOT-PL management number		X	X
740-032	IOT Driver Connect Fail History 1	0	0	65535	History of the number of occurrences for the IOT Drive PWB Serial I/F error. Number of the occurrences when the second latest error occurred.		O	X

Table 1 NVM 740 IOT Manager List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
740-033	IOT Driver Connect Fail History 2	0	0	65535	History of the number of occurrences for the IOT Drive PWB Serial I/F error. Number of the occurrences when the third latest error occurred.		O	X
740-034	IOT Driver Connect Fail History 3	0	0	65535	History of the number of occurrences for the IOT Drive PWB Serial I/F error. Number of the occurrences when the fourth latest error occurred.		O	X
740-035	IOT Driver Connect Fail History 4	0	0	65535	History of the number of occurrences for the IOT Drive PWB Serial I/F error. Number of the occurrences when the fifth latest error occurred.		O	X
740-036	IOT Driver Connect Fail History 5	0	0	65535	History of the number of occurrences for the IOT Drive PWB Serial I/F error. Number of the occurrences when the sixth latest error occurred.		O	X
740-037	TM Driver Connect Fail History 1	0	0	65535	History of the number of occurrences for the TM Drive PWB Serial I/F error. Number of the occurrences when the second latest error occurred.		O	X
740-038	TM Driver Connect Fail History 2	0	0	65535	History of the number of occurrences for the TM Drive PWB Serial I/F error. Number of the occurrences when the third latest error occurred.		O	X
740-039	TM Driver Connect Fail History 3	0	0	65535	History of the number of occurrences for the TM Drive PWB Serial I/F error. Number of the occurrences when the fourth latest error occurred.		O	X
740-040	TM Driver Connect Fail History 4	0	0	65535	History of the number of occurrences for the TM Drive PWB Serial I/F error. Number of the occurrences when the fifth latest error occurred.		O	X
740-041	TM Driver Connect Fail History 5	0	0	65535	History of the number of occurrences for the TM Drive PWB Serial I/F error. Number of the occurrences when the sixth latest error occurred.		O	X
740-042	Driver Connect Fail Thresh A	20	1	65535	Threshold value for the detection of Drive PWB Serial I/F error. The difference in the number of occurrences from when the second latest error has occurred.		O	O
740-043	Driver Connect Fail Thresh B	50	1	65535	Threshold value for the detection of Drive PWB Serial I/F error. The difference in the number of occurrences from when the sixth latest error has occurred.		O	O
740-044	Cycle DownTimer for Duplex FC Sheet Empty	0	0	5000	The Cycle Down Timer for Sheet Empty during Duplex Feed. Timer for starting Cycle Down after the machine becomes the Sheet Empty status during print with Engine Action = FC. (Unit: 1 [ms]). When Cycle Down starts at abnormal failure or when a stop instruction is issued, Cycle Down starts immediately without using this timer.	1 ms	O	O
740-045	Cycle DownTimer for Duplex BW Sheet Empty	0	0	5000	The Cycle Down Timer for Sheet Empty during Duplex Feed. Timer for starting Cycle Down after the machine becomes the Sheet Empty status during print with Engine Action = BW. (Unit: 1 [ms]). When Cycle Down starts at abnormal failure or when a stop instruction is issued, Cycle Down starts immediately without using this timer.	1 ms	O	O
740-046	Cycle DownTimer for Simplex FC Sheet Empty	0	0	5000	The Cycle Down Timer for Sheet Empty during Simplex Feed. Timer for starting Cycle Down after the machine becomes the Sheet Empty status during print with Engine Action = FC. (Unit: 1 [ms]). When Cycle Down starts at abnormal failure or when a stop instruction is issued, Cycle Down starts immediately without using this timer.	1 ms	O	O
740-047	Cycle DownTimer for Simplex BW Sheet Empty	0	0	5000	The Cycle Down Timer for Sheet Empty during Simplex Feed. Timer for starting Cycle Down after the machine becomes the Sheet Empty status during print with Engine Action = BW. (Unit: 1 [ms]). When Cycle Down starts at abnormal failure or when a stop instruction is issued, Cycle Down starts immediately without using this timer.	1 ms	O	O

Table 1 NVM 740 IOT Manager List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
740-049	Gloss Mode Switch (Uncoated 64-79 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Uncoated, Uncoated (Reload), Hole Punched, Recycled 64-79 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		0	0
740-050	Gloss Mode Switch (Uncoated 80-90 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Uncoated, Uncoated (Reload), Hole Punched, Recycled 80-90 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		0	0
740-051	Gloss Mode Switch (Uncoated 91-105 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Uncoated, Uncoated (Reload), Hole Punched, Recycled 91-105 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		0	0
740-052	Gloss Mode Switch (Uncoated 106-128 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Uncoated, Uncoated (Reload), Hole Punched, Recycled 106-128 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		0	0
740-053	Gloss Mode Switch (Uncoated 129-150 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Uncoated, Uncoated (Reload), Hole Punched, Recycled 129-150 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		0	0
740-054	Gloss Mode Switch (Uncoated 151-176 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Uncoated, Uncoated (Reload), Hole Punched, Recycled 151-176 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		0	0
740-055	Gloss Mode Switch (Uncoated 177-220 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Uncoated, Uncoated (Reload), Hole Punched, Recycled 177-220 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		0	0
740-056	Gloss Mode Switch (Uncoated 221-256 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Uncoated, Uncoated (Reload), Hole Punched, Recycled 221-256 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		0	0
740-057	Gloss Mode Switch (Uncoated 257-300 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Uncoated, Uncoated (Reload), Hole Punched, Recycled 257-300 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		0	0
740-058	Gloss Mode Switch (Coated 106-128 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Coated, Coated (Reload), Postcard, Tab Stock 106-128 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		0	0

Table 1 NVM 740 IOT Manager List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
740-059	Gloss Mode Switch (Coated 129-150 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Coated, Coated (Reload), Postcard, Tab Stock 129-150 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		O	O
740-060	Gloss Mode Switch (Coated 151-176 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Coated, Coated (Reload), Postcard, Tab Stock 151-176 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		O	O
740-061	Gloss Mode Switch (Coated 177-220 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Coated, Coated (Reload), Postcard, Tab Stock 177-220 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		O	O
740-062	Gloss Mode Switch (Coated 221-256 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Coated, Coated (Reload), Postcard, Tab Stock 221-256 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		O	O
740-063	Gloss Mode Switch (Coated 257-300 [gsm])	1	0	1	Specifies whether to switch the operation to Gloss mode when the instruction to enter Gloss mode is received from the Controller. (for Coated, Coated (Reload), Postcard, Tab Stock 257-300 [gsm]) = 0: Do not apply Gloss mode, = 1: Apply Gloss mode		O	O
740-065	Heavyweight Color Registration Improvement Switch	0	0	1	Specifies whether to perform the Heavyweight Color Registration Improvement for the paper that is feed from the MSI or HCF (Tray 5/Tray 6/Tray 7). = 0: Do not perform Heavyweight Color Registration Improvement = 1: Perform Heavyweight Color Registration Improvement When performing the Heavyweight Color Registration Improvement, the Paper Gap is widened by the value that is set in a separate NVM that is prepared for each Process Speed at the Tail Edge of the applicable paper.		O	O
740-066	Pitch Interval Offset for Heavyweight Color Registration Improvement (Process Speed 308 [mm/s])	2530	2530	10000	Specifies the Paper Gap that is added to the paper Tail Edge when performing the Heavyweight Color Registration Improvement for the paper that is feed from the MSI or HCF (Tray 5/Tray 6/Tray 7). (For Process Speed 308 [mm/s]). = 2473 to 10000: Paper Gap [ms]		O	O
740-067	Pitch Interval Offset for Heavyweight Color Registration Improvement (Process Speed 224 [mm/s])	3394	3394	10000	Specifies the Paper Gap that is added to the paper Tail Edge when performing the Heavyweight Color Registration Improvement for the paper that is feed from the MSI or HCF (Tray 5/Tray 6/Tray 7). (For Process Speed 224 [mm/s]). = 3394 to 10000: Paper Gap [ms]		O	O
740-068	Pitch Interval Offset for Heavyweight Color Registration Improvement (Process Speed 154 [mm/s])	4945	4945	10000	Specifies the Paper Gap that is added to the paper Tail Edge when performing the Heavyweight Color Registration Improvement for the paper that is feed from the MSI or HCF (Tray 5/Tray 6/Tray 7). (For Process Speed 154 [mm/s]). = 4945 to 10000: Paper Gap [ms]		O	O
740-069	Pitch Interval Offset for Heavyweight Color Registration Improvement (Process Speed 102 [mm/s])	6656	6656	10000	Specifies the Paper Gap that is added to the paper Tail Edge when performing the Heavyweight Color Registration Improvement for the paper that is feed from the MSI or HCF (Tray 5/Tray 6/Tray 7). (For Process Speed 102 [mm/s]). = 7418 to 10000: Paper Gap [ms]		O	O

Table 1 NVM 740 IOT Manager List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
740-072	MCU Driver Connect Fail History 1	0	0	65535	History of the number of occurrences for the MCU PWB Serial I/F error. Number of the occurrences when the second latest error occurred.		O	X
740-073	MCU Driver Connect Fail History 2	0	0	65535	History of the number of occurrences for the MCU PWB Serial I/F error. Number of the occurrences when the third latest error occurred.		O	X
740-074	MCU Driver Connect Fail History 3	0	0	65535	History of the number of occurrences for the MCU PWB Serial I/F error. Number of the occurrences when the fourth latest error occurred.		O	X
740-075	MCU Driver Connect Fail History 4	0	0	65535	History of the number of occurrences for the MCU PWB Serial I/F error. Number of the occurrences when the fifth latest error occurred.		O	X
740-076	MCU Driver Connect Fail History 5	0	0	65535	History of the number of occurrences for the MCU PWB Serial I/F error. Number of the occurrences when the sixth latest error occurred.		O	X
740-077	ASRS Print Mode SW for Copy Print	0	0	1	Specifies the ASRS Print Mode operation for Copy Print (with instruction other than DFE). 0: Do not perform ASRS Print Mode (= Legacy Print Mode) 1: Perform ASRS Print Mode		O	O
740-078	Legacy Print Mode Feed Count	0	0	4294967295	The number of times paper have been fed from other than the Interposer in Legacy Print Mode (inclusive of Duplex Side 2).		O	O
740-079	ASRS Print Mode Feed Count Uncoated 177-220	0	0	4294967295	The number of times ASRS Target Paper (Plain, Reload, Hole Punched, 177-220 gsm) have been fed from other than the Interposer in ASRS Print Mode (inclusive of Duplex Side 2).		O	O
740-080	ASRS Print Mode Feed Count Uncoated 221-256	0	0	4294967295	The number of times ASRS Target Paper (Plain, Reload, Hole Punched, 221-256 gsm) have been fed from other than the Interposer in ASRS Print Mode (inclusive of Duplex Side 2).		O	O
740-081	ASRS Print Mode Feed Count Uncoated 257-300	0	0	4294967295	The number of times ASRS Target Paper (Plain, Reload, Hole Punched, 257-300 gsm) have been fed from other than the Interposer in ASRS Print Mode (inclusive of Duplex Side 2).		O	O
740-082	ASRS Print Mode Feed Count Coated 106-128	0	0	4294967295	The number of times ASRS Target Paper (Coated, Uncoated, 106-128 gsm) have been fed from other than the Interposer in ASRS Print Mode (inclusive of Duplex Side 2).		O	O
740-083	ASRS Print Mode Feed Count Coated 129-150	0	0	4294967295	The number of times ASRS Target Paper (Coated, Uncoated, 129-150 gsm) have been fed from other than the Interposer in ASRS Print Mode (inclusive of Duplex Side 2).		O	O
740-084	ASRS Print Mode Feed Count Coated 151-176	0	0	4294967295	The number of times ASRS Target Paper (Coated, Uncoated, 151-176 gsm) have been fed from other than the Interposer in ASRS Print Mode (inclusive of Duplex Side 2).		O	O
740-085	ASRS Print Mode Feed Count Coated 177-220	0	0	4294967295	The number of times ASRS Target Paper (Coated, Uncoated, 177-220 gsm) have been fed from other than the Interposer in ASRS Print Mode (inclusive of Duplex Side 2).		O	O
740-086	ASRS Print Mode Feed Count Coated 221-256	0	0	4294967295	The number of times ASRS Target Paper (Coated, Uncoated, 221-256 gsm) have been fed from other than the Interposer in ASRS Print Mode (inclusive of Duplex Side 2).		O	O
740-087	ASRS Print Mode Feed Count Coated 257-300	0	0	4294967295	The number of times ASRS Target Paper (Coated, Uncoated, 257-300 gsm) have been fed from other than the Interposer in ASRS Print Mode (inclusive of Duplex Side 2).		O	O

6.3.16 NVM 741 Drive/MQ/NOHAD List

Table 1 NVM 741 Drive/MQ/NOHAD List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
741-001	Drum Motor Reverse Rotation SW	0	0	1	Sets whether to perform Drum Motor reverse rotation. 0: Do not Reverse, 1: Reverse when the IBT Belt reverses		O	O
741-002	Drum Motor Reverse Rotation Start Time	80	80	100	Sets the time to start reverse rotation of the Drum Motor. [Unit: 10 ms]	10 ms	O	O
741-003	Drum Motor Reverse Rotation Time	8	0	100	Sets the time to perform reverse rotation of the Drum Motor. [Unit: 10 ms]	10 ms	O	O
741-043	Restart Timing at Drum Motor Fail Detection [308]	120	0	1000	Restart timing after the Drum Motor Fail. [Unit: 10 ms]	10 ms	O	O
741-044	Restart Timing at Drum Motor Fail Detection [224]	100	0	1000	Restart timing after the Drum Motor Fail. [Unit: 10 ms]	10 ms	O	O
741-045	Restart Timing at Drum Motor Fail Detection [154]	80	0	1000	Restart timing after the Drum Motor Fail. [Unit: 10 ms]	10 ms	O	O
741-046	Restart Timing at Drum Motor Fail Detection [102]	80	0	1000	Restart timing after the Drum Motor Fail. [Unit: 10 ms]	10 ms	O	O
741-119	Angle Data Default Value (a0)	0	-500	500	The default value of Angle Data. [Unit: 1 step]	1 step	O	O
741-130	Walk Control Mode Selection	0	0	1	Selects the Walk Control Mode. 0: Edge Learn Control, 1: No Edge Learn Control		O	O
741-131	Belt Circumference Correction Function Switch	1	0	1	The switch that decides whether to perform Belt Circumference Correction Function. 0: Do not perform, 1: Perform		O	O
741-132	BELT HOME POSITION TOO LONG Counter (Nlong)	0	0	3	The number of occurrences for the BELT HOME POSITION TOO LONG.		O	O
741-133	Type of Detected Belt-related Fail	0	0	328	The Belt-related Fail history information. When the following Fail occurs, the Link No. is stored. 326 (Belt Home Position too long), 327 (Belt Position Fail), 328 (Belt Edge Sensor Fail)		O	O
741-134	Angle Data Default Value when Fail Occurs	0	-500	500	The angle data default value when a Belt-related Fail (042-326 to 328) occurs: a0.		O	O
741-135	Steering Angle Data when Fail Occurs	0	-500	500	The steering angle data when a Belt-related Fail (042-326 to 328) occurs: a(r, n)		O	O
741-136	Belt Edge Data when Fail Occurs	0	-512	511	The belt edge data when a Belt-related Fail (042-326 to 328) occurs: e(r, n)		O	O
741-243	Maximum Expected Change Amount	100	0	255	Maximum change amount by Circumference Length Correction value prediction. [Unit: 0.01 mm]	0.01 mm	O	O
741-248	Maximum Measured Change Amount	10	0	255	Maximum change amount in the Circumference Length measurement. [Unit: 0.01 mm]	0.01 mm	O	O
741-279	Rear Cooling Fan Stop Timing	150	150	600000	Time from the Drum stop timing to the Rear Cooling Fan stop timing. [Unit: 100 ms]	100 ms	O	O
741-282	Rear Cooling Fan Fail Bypass	0	0	1	Sets the Fail Bypass for the Rear Cooling Fan0: Bypass OFF, 1: Bypass ON		O	O
741-283	Rear Cooling Fan High Temperature Determination Temperature	100	0	600	Threshold value for Rear Cooling Fan operation condition. [Unit: 0.1 degree]	0.1 degree	O	O
741-284	Detection Prohibition Period after the Temperature Control Fan Drum Motor K Drive	1	1	3600	Time between the start of the Drum K rotation and the start of the temperature sampling for controlling the Fusing Exhaust Fan, the Rear Cooling Fan, the Rear Add Fan, and the Front Fan. [Unit: 1 min]	1 min	O	O
741-285	Temperature Control Fan Detection Interval	1	1	3600	Temperature sampling interval for controlling the Fusing Exhaust Fan, the Rear Cooling Fan, the Rear Add Fan, and the Front Fan. [Unit: 1 min]	1 min	O	O

Table 1 NVM 741 Drive/MQ/NOHAD List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
741-286	External Sensor Temperature Condition 1	19	0	60	Adjusts the external sensor temperature condition 1. [Unit: 1 degree]	1 degree	O	O
741-287	Environment Sensor Humidity Condition 1	66	0	100	Adjusts the environment sensor temperature condition 1. [Unit: 1%]	1%	O	O
741-288	External Sensor Temperature Condition 2	9	0	60	Adjusts the external sensor temperature condition 2. [Unit: 1 degree]	1 degree	O	O
741-289	Environment Sensor Humidity Condition 2	60	0	100	Adjusts the environment sensor temperature condition 2. [Unit: 1%]	1%	O	O
741-293	CC Intake Fan Operation Stop Timing	150	150	6000	Adjusts the time for stopping the CC Intake Fan operation. [Unit: 100 ms]	100 ms	O	O
741-294	CC Intake Fan High-Speed Duty Value (FC)	90	1	100	Adjusts the Duty value when the CC Intake Fan is at high speed (FC).		O	O
741-295	CC Intake Fan High-Speed Duty Value (BW)	90	1	100	Adjusts the Duty value when the CC Intake Fan is at high speed (BW).		O	O
741-296	CC Intake Fan Low-Speed Duty Value (FC)	35	1	100	Adjusts the Duty value when the CC Intake Fan is at low speed (FC).		O	O
741-297	CC Intake Fan Low-Speed Duty Value (BW)	35	1	100	Adjusts the Duty value when the CC Intake Fan is at low speed (BW).		O	O
741-298	CC Intake Fan Special Environment High-Speed Duty Value (FC)	90	1	100	Adjusts the Duty value when the CC Intake Fan is at high speed in a special environment (FC).		O	O
741-299	CC Intake Fan Special Environment High-Speed Duty Value (BW)	90	1	100	Adjusts the Duty value when the CC Intake Fan is at high speed in a special environment (BW).		O	O
741-300	CC Intake Fan Special Environment Low-Speed Duty Value (FC)	35	1	100	Adjusts the Duty value when the CC Intake Fan is at low speed in a special environment (FC).		O	O
741-301	CC Intake Fan Special Environment Low-Speed Duty Value (BW)	35	1	100	Adjusts the Duty value when the CC Intake Fan is at low speed in a special environment (BW).		O	O
741-302	CC Intake Fan Low-Speed Duty Value at Blower Motor High Temperature Determination (FC)	60	1	100	Low-speed Duty value to be used when the Blower Motor detects high temperature (FC)		O	O
741-303	CC Intake Fan Low-Speed Duty Value at Blower Motor High Temperature Determination (BW)	60	1	100	Low-speed Duty value to be used when the Blower Motor detects high temperature (BW)		O	O
741-306	CC Intake Fan Fail Bypass	0	0	1	Sets the Fail Bypass for the CC Intake Fan. 0: Bypass OFF, 1: Bypass ON		O	O
741-307	Exit Roll Fan Operation SW	0	0	1	The Selector SW that determines the paper types for which the Exit Roll Fan can rotate. 0: Normal mode (follow the table for each operation mode), 1: Condensation Countermeasure mode (rotate for all paper types)		O	O
741-308	Exit Roll Fan Operation Setting (FC, Plain, 64-105 gsm)	0	0	1	Operation for Uncoated (Side 1/2), Hole Punched, Tab Stock, and Recycled, 64-105 gsm in FC mode. 0: Stop, 1: Rotate		O	O
741-309	Exit Roll Fan Operation Setting (FC, Plain, 106-176 gsm)	1	0	1	Operation for Uncoated (Side 1/2), Hole Punched, Tab Stock, and Recycled, 106-176 gsm in FC mode. 0: Stop, 1: Rotate		O	O
741-310	Exit Roll Fan Operation Setting (FC, Plain, 177-300 gsm)	1	0	1	Operation for Uncoated (Side 1/2), Hole Punched, Tab Stock, and Recycled, 177-300 gsm in FC mode. 0: Stop, 1: Rotate		O	O
741-311	Exit Roll Fan Operation Setting (FC, Coated, Labels)	1	0	1	Operation for Coated (Side 1/2) and Labels in FC mode. 0: Stop, 1: Rotate		O	O
741-312	Exit Roll Fan Operation Setting (FC, Other Paper)	1	0	1	Operation for Postcard, Transfer Paper, Tack Film (Adhesive), Envelope, and Transparency in FC mode. 0: Stop, 1: Rotate		O	O
741-313	Exit Roll Fan Operation Setting (BW, Plain, 64-105 gsm)	0	0	1	Operation for Uncoated (Side 1/2), Hole Punched, Tab Stock, and Recycled, 64-105 gsm in BW mode. 0: Stop, 1: Rotate		O	O
741-314	Exit Roll Fan Operation Setting (BW, Plain, 106-176 gsm)	0	0	1	Operation for Uncoated (Side 1/2), Hole Punched, Tab Stock, and Recycled, 106-176 gsm in BW mode. 0: Stop, 1: Rotate		O	O

Table 1 NVM 741 Drive/MQ/NOHAD List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
741-315	Exit Roll Fan Operation Setting (BW, Plain, 177-300 gsm)	1	0	1	Operation for Uncoated (Side 1/2), Hole Punched, Tab Stock, and Recycled, 177-300 gsm in BW mode. 0: Stop, 1: Rotate		O	O
741-316	Exit Roll Fan Operation Setting (BW, Coated, Labels)	1	0	1	Operation for Coated (Side 1/2) and Labels in BW mode. 0: Stop, 1: Rotate		O	O
741-317	Exit Roll Fan Operation Setting (BW, Other Paper)	1	0	1	Operation for Postcard, Transfer Paper, Tack Film (Adhesive), Envelope, and Transparency in BW mode. 0: Stop, 1: Rotate		O	O
741-318	Fusing Exhaust Fan Low-Speed Duty Value	60	1	100	Sets the PWM control value for the rotation count when the Fusing Exhaust Fan rotates at a low speed. (Duty value).		O	O
741-319	Fusing Exhaust Fan Medium-Speed Duty Value	70	1	100	Sets the PWM control value for the rotation count when the Fusing Exhaust Fan rotates at a medium speed. (Duty value)		O	O
741-320	Fusing Exhaust Fan High-Speed Duty Value (FC)	90	1	100	Sets the PWM control value for the rotation count when the Fusing Exhaust Fan rotates at a high speed. (Duty value) (FC)		O	O
741-321	Fusing Exhaust Fan High-Speed Duty Value (BW)	90	1	100	Sets the PWM control value for the rotation count when the Fusing Exhaust Fan rotates at a high speed. (Duty value) (BW)		O	O
741-322	Fusing Exhaust Fan Special Environment Low-Speed Duty Value	40	1	100	Sets the PWM control value for the rotation count when the Fusing Exhaust Fan rotates at a low speed in a special environment. (Duty value)		O	O
741-323	Fusing Exhaust Fan Special Environment High-Speed Duty Value (FC)	60	1	100	Sets the PWM control value for the rotation count when the Fusing Exhaust Fan rotates at a high speed in a special environment. (Duty value) (FC)		O	O
741-324	Fusing Exhaust Fan Special Environment High-Speed Duty Value (BW)	60	1	100	Sets the PWM control value for the rotation count when the Fusing Exhaust Fan rotates at a high speed in a special environment. (Duty value) (BW)		O	O
741-325	Fusing Exhaust Fan High Temperature Determination Temperature	400	0	600	High temperature determination temperature specific to the Fusing Exhaust Fan. [Unit: 0.1 degree]	0.1 degree	O	O
741-326	Fusing Exhaust Fan High Speed Rotation to Low Speed Rotation Transition Time	150	0	6000	Sets the time for the Fusing Exhaust Fan to transition from the high speed rotation to the low speed rotation. [Unit: 100 ms]	100 ms	O	O
741-328	Fusing Exhaust Fan Fail Bypass	0	0	1	Selects the Fail Bypass for Fusing Exhaust Fan. 0: Bypass OFF, 1: Bypass ON		O	O
741-330	Fusing Exhaust Fan High Temperature Determination Start Period	1	1	3600	Time from the Power ON to the start of the temperature sampling for determining the Fusing Exhaust Fan operation. [Unit: 1 min]	1 min	O	O
741-331	Detection Prohibition Period after Fusing Exhaust Fan Transition from High Speed Rotation to Low Speed Rotation	1	0	3600	Time from the stop of Power Drum K to the start of the temperature sampling for determining the Fusing Exhaust Fan operation. [Unit: 1 min]	1 min	O	O
741-333	Blower Motor Rotation Stop Transition Time	1500	1500	60000	Sets the time before the Blower Motor is stopped. [Unit: 10 ms]	10 ms	O	O
741-334	Rotation Count for Blower Motor Fail Detection	200	0	10000	Sets the determination rotation count for Fail detection of the Blower Motor. [Unit: 1 rpm]	1 rpm	O	O
741-335	Blower Motor Fail Bypass	0	0	1	Sets the Fail Bypass of the Blower Motor. 0: Bypass OFF, 1: Bypass ON		O	O
741-337	Blower Motor Rotation Change Rate	1200	900	1200	A value for calculating the Blower Motor rotation count at expected life. [Unit: 0.1%] Actual settings value: 1.10/0.50 to 1.10	0.1%	O	O
741-338	Main Filter Replacement Display Control	0	0	1	Sets the control of the Main Filter replacement display.0: Do not restrain, 1: Restrain		O	O
741-339	Main Filter Replacement Status	0	0	2	For recognizing the Main Filter replacement time. 0: Reset (reset at replacement), 1: From 2nd Job after Reset to Life detection, 2: After Life is detected		O	O
741-340	Blower Motor Latest Rotation Count [rpm] [Nn]	0	0	65535	Sets the Blower Motor latest rotation count. [Unit: 1 rpm]	1 rpm	O	O

Table 1 NVM 741 Drive/MQ/NOHAD List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
741-341	Rotation Count after Blower Motor Replacement [rpm] [Ni]	0	0	65535	Rotation Count after replacing the Blower Motor. [Unit: 1 rpm]	1 rpm	O	O
741-342	Rotation Count at Blower Motor Expected Life [rpm] [Na]	1200	0	65535	Rotation count at Blower Motor expected life. [Unit: 1 rpm]	1 rpm	O	O
741-343	Main Filter Detection Count	0	0	3	Sets the detection count of the Main Filter. [Unit: 1 time]	1 time	O	O
741-344	Blower Motor Low-Speed Duty Value (FC)	75	1	100	Sets the PWM control value for the rotation count when the Blower Motor rotates at a low speed during Print Process (Duty) (FC). [Unit: 1%]	1%	O	O
741-345	Blower Motor Low-Speed Duty Value (BW)	75	1	100	Sets the PWM control value for the rotation count when the Blower Motor rotates at a low speed during Print Process (Duty) (BW). [Unit: 1%]	1%	O	O
741-346	Blower Motor High Temperature Environment Low-Speed Duty Value (FC)	75	1	100	Low-speed Duty value when high temperature is detected during Print FC. [Unit: 1%]	1%	O	O
741-347	Blower Motor High Temperature Environment Low-Speed Duty Value (BW)	75	1	100	Low-speed Duty value when high temperature is detected during Print BW. [Unit: 1%]	1%	O	O
741-348	Blower Motor Medium-Speed Duty Value (FC)	75	1	100	Sets the PWM control value for the rotation count when the Blower Motor rotates at a medium speed during Print Process (Duty) (FC). [Unit: 1%]	1%	O	O
741-349	Blower Motor Medium-Speed Duty Value (BW)	75	1	100	Sets the PWM control value for the rotation count when the Blower Motor rotates at a medium speed during Print Process (Duty) (BW). [Unit: 1%]	1%	O	O
741-350	Blower Motor High-Speed Duty Value (FC)	75	1	100	Sets the PWM control value for the rotation count when the Blower Motor rotates at a high speed during Print Process (Duty) (FC). [Unit: 1%]	1%	O	O
741-351	Blower Motor High-Speed Duty Value (BW)	75	1	100	Sets the PWM control value for the rotation count when the Blower Motor rotates at a high speed during Print Process (Duty) (BW). [Unit: 1%]	1%	O	O
741-352	Blower Motor Special Environment Low-Speed Duty Value (FC)	60	1	100	Sets the PWM control value for the rotation count when the Blower Motor rotates at a low speed in a special environment during Print Process (Duty) (FC). [Unit: 1%]	1%	O	O
741-353	Blower Motor Special Environment Low-Speed Duty Value (BW)	60	1	100	Sets the PWM control value for the rotation count when the Blower Motor rotates at a low speed in a special environment during Print Process (Duty) (BW). [Unit: 1%]	1%	O	O
741-354	Blower Motor Special Environment Medium-Speed Duty Value (FC)	75	1	100	Sets the PWM control value for the rotation count when the Blower Motor rotates at a medium speed in a special environment during Print Process (Duty) (FC). [Unit: 1%]	1%	O	O
741-355	Blower Motor Special Environment Medium-Speed Duty Value (BW)	75	1	100	Sets the PWM control value for the rotation count when the Blower Motor rotates at a medium speed in a special environment during Print Process (Duty) (BW). [Unit: 1%]	1%	O	O
741-356	Blower Motor Special Environment High-Speed Duty Value (FC)	75	1	100	Sets the PWM control value for the rotation count when the Blower Motor rotates at a high speed in a special environment during Print Process (Duty) (FC). [Unit: 1%]	1%	O	O
741-357	Blower Motor Special Environment High-Speed Duty Value (BW)	75	1	100	Sets the PWM control value for the rotation count when the Blower Motor rotates at a high speed in a special environment during Print Process (Duty) (BW). [Unit: 1%]	1%	O	O
741-359	Blower Motor High Temperature Determination SW	1	0	1	0: Do not perform high temperature operation, 1: Perform high temperature operation		O	O

Table 1 NVM 741 Drive/MQ/NOHAD List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
741-360	Blower Motor High Temperature Determination Temperature	419	0	600	Temperature that determines whether to perform high temperature operation. [Unit: 0.1 degree]	0.1 degree	O	O
741-361	Blower Motor High Temperature Environment Low-Speed Duty Value with Output Device Installed (FC)	75	0	100	Low-speed Duty value when high temperature is detected during Print with the Output Device installed FC		O	O
741-362	Blower Motor High Temperature Environment Low-Speed Duty Value with Output Device Installed (BW)	75	0	100	Low-speed Duty value when high temperature is detected during Print with the Output Device installed BW		O	O
741-363	Blower Motor High Temperature Determination with Output Device Installed SW	1	0	1	0: Do not perform high temperature operation, 1: Perform high temperature operation		O	O
741-364	Blower Motor High Temperature Determination Temperature with Output Device Installed	419	0	600	Temperature that determines whether to perform high temperature operation with the Output Device installed. [Unit: 0.1 degree]	0.1 degree	O	O
741-371	Front Fan Rotation Stop Transition Time	150	150	600000	The time taken for the Front Fan to stop. [Unit: 100 ms]	100 ms	O	O
741-374	Front Fan High Temperature Determination Temperature	400	0	600	Temperature used by the Front Fan to independently determine high temperature. [Unit: 0.1 degree]	0.1 degree	O	O
741-375	Front Fan PWM Control Parameter (Duty)	95	0	100	The PWM control parameter FC that determines the Front Fan rotation. [Unit: 1%]	1%	O	O
741-376	Front Fan Operation SW (FC)	1	0	1	Front Fan Operation Setting FC. 0: Stop, 1: Operate		O	O
741-377	Front Fan Operation SW (BW)	1	0	1	Front Fan Operation Setting BW. 0: Stop, 1: Operate		O	O
741-378	Front Fan Fail Bypass	0	0	1	Sets the Front Fan Fail Bypass. 0: Bypass OFF, 1: Bypass ON		O	O
741-379	Rear Add Fan Rotation Stop Transition Time	150	150	600000	The time taken for the Rear Add Fan to stop. [Unit: 100 ms]	100 ms	O	O
741-382	Rear Add Fan PWM Control Parameter (Duty)	95	0	100	The PWM control parameter that determines the Rear Add Fan rotation. [Unit: 1%]	1%	O	O
741-383	Rear Add Fan Operation SW (FC)	1	0	1	Rear Add Fan Operation Setting FC. 0: Stop, 1: Operate		O	O
741-384	Rear Add Fan Operation SW (BW)	1	0	1	Rear Add Fan Operation Setting BW. 0: Stop, 1: Operate		O	O
741-385	Rear Add Fan Fail Bypass	0	0	1	Sets the Rear Add Fan Fail Bypass. 0: Bypass OFF, 1: Bypass ON		O	O
741-386	Rear Add Fan High Temperature Determination Temperature	400	0	600	Temperature used by the Rear Add Fan to independently determine high temperature. [Unit: 0.1 degree]	0.1 degree	O	O
741-389	Option Exit Fan Operation Setting (Uncoated 64-79 gsm)	1	0	1	Option Exit Fan Operation Setting (Uncoated 64-79 gsm). 0: Stop, 1: Rotate		O	O
741-390	Option Exit Fan Operation Setting (Uncoated 80-90 gsm)	1	0	1	Option Exit Fan Operation Setting (Uncoated 80-90 gsm). 0: Stop, 1: Rotate		O	O
741-391	Option Exit Fan Operation Setting (Uncoated 91-105 gsm)	1	0	1	Option Exit Fan Operation Setting (Uncoated 91-105 gsm). 0: Stop, 1: Rotate		O	O
741-392	Option Exit Fan Operation Setting (Uncoated 106-128 gsm)	1	0	1	Option Exit Fan Operation Setting (Uncoated 106-128 gsm). 0: Stop, 1: Rotate		O	O
741-393	Option Exit Fan Operation Setting (Uncoated 129-150 gsm)	1	0	1	Option Exit Fan Operation Setting (Uncoated 129-150 gsm). 0: Stop, 1: Rotate		O	O
741-394	Option Exit Fan Operation Setting (Uncoated 151-176 gsm)	1	0	1	Option Exit Fan Operation Setting (Uncoated 151-176 gsm). 0: Stop, 1: Rotate		O	O
741-395	Option Exit Fan Operation Setting (Uncoated 177-220 gsm)	1	0	1	Option Exit Fan Operation Setting (Uncoated 177-220 gsm). 0: Stop, 1: Rotate		O	O

Table 1 NVM 741 Drive/MQ/NOHAD List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
741-396	Option Exit Fan Operation Setting (Uncoated 221-256 gsm)	1	0	1	Option Exit Fan Operation Setting (Uncoated 221-256 gsm). 0: Stop, 1: Rotate		O	O
741-397	Option Exit Fan Operation Setting (Uncoated 257-300 gsm)	1	0	1	Option Exit Fan Operation Setting (Uncoated 257-300 gsm). 0: Stop, 1: Rotate		O	O
741-398	Option Exit Fan Operation Setting (Coated 64-79 gsm)	1	0	1	Option Exit Fan Operation Setting (Coated 64-79 gsm). 0: Stop, 1: Rotate		O	O
741-399	Option Exit Fan Operation Setting (Coated 80-90 gsm)	1	0	1	Option Exit Fan Operation Setting (Coated 80-90 gsm). 0: Stop, 1: Rotate		O	O
741-400	Option Exit Fan Operation Setting (Coated 91-105 gsm)	1	0	1	Option Exit Fan Operation Setting (Coated 91-105 gsm). 0: Stop, 1: Rotate		O	O
741-401	Option Exit Fan Operation Setting (Coated 106-128 gsm)	1	0	1	Option Exit Fan Operation Setting (Coated 106-128 gsm). 0: Stop, 1: Rotate		O	O
741-402	Option Exit Fan Operation Setting (Coated 129-150 gsm)	1	0	1	Option Exit Fan Operation Setting (Coated 129-150 gsm). 0: Stop, 1: Rotate		O	O
741-403	Option Exit Fan Operation Setting (Coated 151-176 gsm)	1	0	1	Option Exit Fan Operation Setting (Coated 151-176 gsm). 0: Stop, 1: Rotate		O	O
741-404	Option Exit Fan Operation Setting (Coated 177-220 gsm)	1	0	1	Option Exit Fan Operation Setting (Coated 177-220 gsm). 0: Stop, 1: Rotate		O	O
741-405	Option Exit Fan Operation Setting (Coated 221-256 gsm)	1	0	1	Option Exit Fan Operation Setting (Coated 221-256 gsm). 0: Stop, 1: Rotate		O	O
741-406	Option Exit Fan Operation Setting (Coated 257-300 gsm)	1	0	1	Option Exit Fan Operation Setting (Coated 257-300 gsm). 0: Stop, 1: Rotate		O	O
741-407	Option Exit Fan Operation Setting (Film Type Paper)	1	0	1	Option Exit Fan Operation Setting (Film Type Paper). 0: Stop, 1: Rotate		O	O
741-408	Option Exit Fan Operation Setting (Transparency)	1	0	1	Option Exit Fan Operation Setting (Transparency). 0: Stop, 1: Rotate		O	O
741-409	Option Exit Fan Operation Setting (Envelope)	1	0	1	Option Exit Fan Operation Setting (Envelope). 0: Stop, 1: Rotate		O	O
741-410	Condensation Mode Execution SW	0	0	1	Selects the condensation mode. 0: Do not perform, 1: Perform		O	O
741-411	Condensation Judgment Temperature	12	0	30	Adjusts the condensation judgment temperature. [Unit: 1 degree]	1 degree	O	O
741-412	Condensation Mode Sleep Transition Extension Time	120	0	240	Adjusts the condensation mode Sleep transition extension time. [Unit: 1 min]	1 min	O	O
741-413	Pre Power OFF Cooling Operation SW	1	0	1	Pre Power OFF Cooling Operation Switch. 0: Perform, 1: Do not perform		O	O
741-414	Pre Power OFF Cooling Operation Determination Temperature H	49	0	60	Pre power OFF cooling operation determination temperature - High temperature side. [Unit: 1 degree]	1 degree	O	O
741-415	Pre Power OFF Cooling Operation Determination Temperature L	48	0	60	Pre power OFF cooling operation determination temperature - Low temperature side. [Unit: 1 degree]	1 degree	O	O
741-416	Pre Power OFF Cooling Time H	30	0	600	Pre power OFF cooling time - High temperature side. [Unit: 1 min]	1 min	O	O
741-417	Pre Power OFF Cooling Time L	15	0	600	Pre power OFF cooling time - Low temperature side. [Unit: 1 min]	1 min	O	O
741-418	Cooling Mode at High Temperature - Detection SW	0	0	1	Operation Selector SW for cooling mode at high temperature. 0: Detect/determine, 1: Do not detect/determine		O	O

Table 1 NVM 741 Drive/MQ/NOHAD List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
741-419	Cooling Mode at High Temperature - High Temperature Limit Value	460	0	800	Transition temperature in the cooling mode at high temperature. [Unit: 0.1 degree]	0.1 degree	O	O
741-420	Cooling Mode at High Temperature - Low Temperature Limit Value	452	0	800	Transition temperature in the stable mode. [Unit: 0.1 degree]	0.1 degree	O	O
741-421	Cooling Mode at High Temperature - Detection Start Time	1	1	3600	Transition detection start time in the cooling mode at high temperature. [Unit: 1 min]	1 min	O	O
741-422	Cooling Mode at High Temperature - Detection Interval	1	1	3600	Detection interval in the cooling mode at high temperature. [Unit: 1 min]	1 min	O	O
741-423	Detection Prohibition Period after the Drum Motor K Stops	90	0	3600	Detection prohibition period in the cooling mode at high temperature after the Drum Motor K stops. [Unit: 1 min]	1 min	O	O
741-424	Detection Prohibition Period after the Drum Motor K Drive	10	0	3600	Detection prohibition period in the cooling mode at high temperature after the Drum Motor K is driven. [Unit: 1 min]	1 min	O	O
741-425	NOHAD Fan Fail Bypass	0	0	1	Sets the overall NOHAD Fan Fail Bypass. 0: Bypass OFF, 1: Bypass ON		O	O
741-426	Cooling Mode at High Temperature with Output Device Installed - Detection SW	0	0	1	Operation Selector SW for cooling mode at high temperature with the Output Device installed. 0: Detect/determine, 1: Do not detect/determine		O	O
741-427	Cooling Mode at High Temperature with Output Device Installed - High Temperature Limit Value	455	0	600	Transition temperature in the cooling mode at high temperature with the Output Device installed. [Unit: 0.1 degree]	0.1 degree	O	O
741-428	Cooling Mode at High Temperature with Output Device Installed - Low Temperature Limit Value	447	0	600	Transition temperature in the stable mode with the Output Device installed. [Unit: 0.1 degree]	0.1 degree	O	O
741-429	Cooling Mode at High Temperature with Output Device Installed - Detection Start Time	1	1	3600	Transition detection start time in the cooling mode at high temperature with the Output Device installed. [Unit: 1 min]	1 min	O	O
741-430	Cooling Mode at High Temperature with Output Device Installed - Detection Interval	1	1	3600	Detection interval in the cooling mode at high temperature with the Output Device installed. [Unit: 1 min]	1 min	O	O
741-431	Detection Prohibition Period after the Drum Motor K Stops with Output Device Installed	90	0	3600	Detection prohibition period in the cooling mode at high temperature after the Drum Motor K stops with the Output Device installed. [Unit: 1 min]	1 min	O	O
741-432	Detection Prohibition Period after the Drum Motor K Drive with Output Device Installed	10	0	3600	Detection prohibition period in the cooling mode at high temperature after the Drum Motor K is driven with the Output Device installed. [Unit: 1 min]	1 min	O	O

6.3.17 NVM 742, 743 Paper Handling List

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-001	Monitoring Time for Post 2nd BTR Sensor OFF (Process Speed 308)	23	0	23	Monitors the OFF time after the Post 2nd BTR Sensor ON is detected (Process Speed 308.13 mm/s); 1 count = 10 ms and adjustment can be made in the range of 0 to 230 ms ('0' means that this OFF detection is disabled).	10 ms	O	O
742-002	Monitoring Time for Post 2nd BTR Sensor OFF (Process Speed 224)	32	0	32	Monitors the OFF time after the Post 2nd BTR Sensor ON is detected (Process Speed 224.53 mm/s); 1 count = 10 ms and adjustment can be made in the range of 0 to 320 ms ('0' means that this OFF detection is disabled).	10 ms	O	O
742-003	Monitoring Time for Post 2nd BTR Sensor OFF (Process Speed 154)	46	0	46	Monitors the OFF time after the Post 2nd BTR Sensor ON is detected (Process Speed 154.07 mm/s); 1 count = 10 ms and adjustment can be made in the range of 0 to 460 ms ('0' means that this OFF detection is disabled).	10 ms	O	O
742-004	Monitoring Time for Post 2nd BTR Sensor OFF (Process Speed 102)	69	0	69	Monitors the OFF time after the Post 2nd BTR Sensor ON is detected (Process Speed 102.71 mm/s); 1 count = 10 ms and adjustment can be made in the range of 0 to 690 ms ('0' means that this OFF detection is disabled).	10 ms	O	O
742-006	Post 2nd BTR Sensor Jam Detection Switch (Transparency Separator)	0	0	1	A switch that determines whether to detect the monitoring of OFF time after the Post 2nd BTR Sensor ON is detected for Separator of weights 64-79, 80-90, 91-105, 106-128, 129-150, 151-176, 177-220, 221-256, and 257-300 in Transparency Options. (0: Detect OFF, 1: Detect ON)		O	O
742-007	Post 2nd BTR Sensor Jam Detection Switch (Uncoated Side 1 #1)	1	0	1	A switch that determines whether to detect the monitoring of OFF time after the Post 2nd BTR Sensor ON is detected for Uncoated Side 1 with weight 106-128, 129-150, and 151-176. (0: Detect OFF, 1: Detect ON)		O	O
742-008	Post 2nd BTR Sensor Jam Detection Switch (Uncoated Side 1 #2)	0	0	1	A switch that determines whether to detect the monitoring of OFF time after the Post 2nd BTR Sensor ON is detected for Uncoated Side 1 with weight 177-220, 221-256, and 257-300. (0: Detect OFF, 1: Detect ON)		O	O
742-009	Post 2nd BTR Sensor Jam Detection Switch (Uncoated Side 2 #1)	1	0	1	A switch that determines whether to detect the monitoring of OFF time after the Post 2nd BTR Sensor ON is detected for Uncoated Side 2 with weight 106-128, 129-150, and 151-176. (0: Detect OFF, 1: Detect ON)		O	O
742-010	Post 2nd BTR Sensor Jam Detection Switch (Uncoated Side 2 #2)	0	0	1	A switch that determines whether to detect the monitoring of OFF time after the Post 2nd BTR Sensor ON is detected for Uncoated Side 2 with weight 177-220, 221-256, and 257-300. (0: Detect OFF, 1: Detect ON)		O	O
742-011	Post 2nd BTR Sensor Jam Detection Switch (Coated Side 1)	0	0	1	A switch that determines whether to detect the monitoring of OFF time after the Post 2nd BTR Sensor ON is detected for Coated Side 1 with weight 177-220, 221-256, and 257-300. (0: Detect OFF, 1: Detect ON)		O	O
742-012	Post 2nd BTR Sensor Jam Detection Switch (Coated Side 2)	0	0	1	A switch that determines whether to detect the monitoring of OFF time after the Post 2nd BTR Sensor ON is detected for Coated Side 2 with weight 177-220, 221-256, and 257-300. (0: Detect OFF, 1: Detect ON)		O	O
742-013	Post 2nd BTR Sensor Jam Detection Switch (Labels)	0	0	1	A switch that determines whether to detect the monitoring of OFF time after the Post 2nd BTR Sensor ON is detected for Labels with weight 106-128, 129-150, 151-176, 177-220, 221-256, and 257-300. (0: Detect OFF, 1: Detect ON)		O	O
742-014	Post 2nd BTR Sensor Jam Detection Switch (Tab Stock)	0	0	1	A switch that determines whether to detect the monitoring of OFF time after the Post 2nd BTR Sensor ON is detected for Tab Stock with weight 106-128, 129-150, 151-176, 177-220, 221-256, and 257-300. (0: Detect OFF, 1: Detect ON)		O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-015	Post 2nd BTR Sensor Jam Detection Switch (Postcard #1)	0	0	1	A switch that determines whether to detect the monitoring of OFF time after the Post 2nd BTR Sensor ON is detected for Postcard with weight 106-128, 129-150, and 151-176. (0: Detect OFF, 1: Detect ON)		O	O
742-016	Post 2nd BTR Sensor Jam Detection Switch (Postcard #2)	0	0	1	A switch that determines whether to detect the monitoring of OFF time after the Post 2nd BTR Sensor ON is detected for Postcard with weight 177-220. (0: Detect OFF, 1: Detect ON)		O	O
742-018	Feed Control Switch	1	0	1	A switch that determines whether to perform the Feed Control when a Jam has occurred (common operation for Trays 1 to 3). 0: Not performed, 1: Perform		O	O
742-019	Takeaway Clutch 1, 2, 3 OFF Timing (Feed from Tray 1)	3	0	8	Adjusts the Takeaway Clutch 1, 2, 3 OFF timing when a Jam has occurred (at feed from Tray 1); 1 count = 10 ms and adjustment can be made in the range of 0 to 80 ms.	10 ms	O	O
742-020	Takeaway Clutch 1, 2, 3 OFF Timing (Feed from Tray 2)	4	0	9	Adjusts the Takeaway Clutch 1, 2, 3 OFF timing when a Jam has occurred (at feed from Tray 2); 1 count = 10 ms and adjustment can be made in the range of 0 to 90 ms.	10 ms	O	O
742-021	Takeaway Clutch 1, 2, 3 OFF Timing (Feed from Tray 3)	4	0	9	Adjusts the Takeaway Clutch 1, 2, 3 OFF timing when a Jam has occurred (at feed from Tray 3); 1 count = 10 ms and adjustment can be made in the range of 0 to 90 ms.	10 ms	O	O
742-023	Static Jam Detection Sensor Chain Link No.	0	0	999999	Stores the Chain Link No. at DC330 of the sensor that detects the paper when Static Jam occurs. This is only initialized at Initialize NVM (it is not initialized when the Static Jam is cleared).		O	O
742-024	Jam Bypass Switching	0	0	1	A switch that determines whether to perform Jam Bypass for Dynamic Jam. 0: Jam Bypass OFF (Default), 1: Jam Bypass ON. When the IOT power is turned ON, '0' (Jam Bypass OFF) is set.		O	O
742-028	Fusing Motor Stop Timing during Exit Feed at Jam Clear Assistance Operation	0	0	100	The time until the Fusing Motor is stopped after the specified trigger during Exit Feed at Jam Clear Assistance Operation. Nominal = 0 ms. 1 count = 10 ms and adjustment can be made in the range of 0 to 1000 ms	10 ms	O	O
742-029	Exit Motor Step Down Start Timing during Exit Feed at Jam Clear Assistance Operation	150	0	300	The time until the Step Down of the Exit Motor is started after the specified trigger during Exit Feed at Jam Clear Assistance Operation. Nominal = 1500 ms. 1 count = 10 ms and adjustment can be made in the range of 0 to 3000 ms	10 ms	O	O
742-030	Invert Motor Step Down Start Timing during Invert Feed at Jam Clear Assistance Operation	0	0	5	The time until the Step Down of the Invert Motor is started after the Invert Path Sensor OFF detection during Invert Feed at Jam Clear Assistance Operation (this is used for 2 types of Invert Feed Assistance Operation). 1 count = 10 ms and adjustment can be made in the range of 0 to 50 ms	10 ms	O	O
742-031	Operation Start Timing during Exit Feed at Jam Clear Assistance (Only when Finisher C is installed)	10	0	20	The time until the Jam Clear Assistance operation is started (only applicable when Finisher C is installed). 1 count = 100 ms and adjustment can be made in the range of 0 to 2000 ms	100 ms	O	O
742-039	Debug Unit State (STO)	0	0	4294967295	The Unit Status Check Data for debugging (when Sequence Time Over has occurred)		O	O
742-040	Debug Unit State (HD)	0	0	4294967295	The Unit Status Check Data for debugging (when Hard Down has occurred)		O	O
742-045	IOT Tray_A5 SEF/5.5x8.5" SEF Switching	0	0	2	Switches the paper detection size for IOT Tray. 0: Follow the paper size group, 1: Detect as A5 SEF, 2: Detect as 5.5x8.5" SEF		O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-046	All Tray_B5 LEF/16K LEF/7.25x10.5" LEF Switching	0	0	2	Switches the paper detection size for All Tray. 0: Follow the paper size group, 1: Detect as B5 LEF/16K LEF, 2: Detect as 7.25x10.5" LEF		O	O
742-047	IOT Tray_SRA3 SEF/13x18" SEF/12x18" SEF Switching	0	0	3	Switches the paper detection size for IOT Tray. 0: Change along with the paper size group, 1: Detect as SRA3 SEF, 2: Detect as 13x18" SEF, 3: Detect as 12x18" SEF		O	O
742-048	IOT Tray_12.6x19.2" SEF/13x19" SEF Switching	0	0	2	Switches the paper detection size for IOT Tray. 0: Change along with the paper size group, 1: Detect as 12.6x19.2" SEF, 2: Detect as 13x19" SEF		O	O
742-049	IOT Tray_A4 SEF/DT Special A4 SEF Switching	1	1	2	Switches the paper detection size for IOT Tray. 1: Detect as A4 SEF, 2: Detect as DT Special A4 SEF		O	O
742-050	IOT Tray_A4 LEF/A3 SEF/DT Special A4 LEF Switching	1	1	2	Switches the paper detection size for IOT Tray. 1: A4 LEF/A3 SEF, 2: DT Special A4 LEF		O	O
742-060	Tray 1 Feed Operation Start Timing (Process Speed 224 mm/s, Process Speed 154 mm/s, Process Speed 102 mm/s)	5	0	10	Adjusts the Tray 1 Feed Operation Start Timing. (Process Speed 224 mm/s, Process Speed 154 mm/s, Process Speed 102 mm/s). 1 count = 10 ms. With 5 = 1726 ms, adjustment can be made in the range of +50 to -50 ms.	10 ms	O	O
742-061	Tray 2 Feed Operation Start Timing (Process Speed 224 mm/s, Process Speed 154 mm/s, Process Speed 102 mm/s)	5	0	10	Adjusts the Tray 2 Feed Operation Start Timing. (Process Speed 224 mm/s, Process Speed 154 mm/s, Process Speed 102 mm/s). 1 count = 10 ms. With 5 = 1561 ms, adjustment can be made in the range of +50 to -50 ms.	10 ms	O	O
742-062	Tray 3 Feed Operation Start Timing (Process Speed 224 mm/s, Process Speed 154 mm/s, Process Speed 102 mm/s)	5	0	10	Adjusts the Tray 3 Feed Operation Start Timing. (Process Speed 224 mm/s, Process Speed 154 mm/s, Process Speed 102 mm/s). 1 count = 10 ms. With 5 = 1397 ms, adjustment can be made in the range of +50 to -50 ms.	10 ms	O	O
742-063	Tray 1 Feed Operation Start Timing (Process Speed 308 mm/s)	5	0	10	Adjusts the Tray 1 Feed Operation Start Timing. (Process Speed 308 mm/s). 1 count = 10 ms. With 5 = 1726 ms, adjustment can be made in the range of +50 to -50 ms.	10 ms	O	O
742-064	Tray 2 Feed Operation Start Timing (Process Speed 308 mm/s)	5	0	10	Adjusts the Tray 2 Feed Operation Start Timing. (Process Speed 308 mm/s). 1 count = 10 ms. With 5 = 1561 ms, adjustment can be made in the range of +50 to -50 ms.	10 ms	O	O
742-065	Tray 3 Feed Operation Start Timing (Process Speed 308 mm/s)	5	0	10	Adjusts the Tray 3 Feed Operation Start Timing. (Process Speed 308 mm/s). 1 count = 10 ms. With 5 = 1397 ms, adjustment can be made in the range of +50 to -50 ms.	10 ms	O	O
742-066	Pre Feed Mode/Deceleration Feed Mode Switch Threshold Value	70	0	90	Adjusts the Feed Mode threshold value. 1 count = 1 ms (adjust by 1 [ms/step]). With 70 = 130 ms, adjustment can be made within the range of -70 to +20 ms.	1 ms	O	O
742-067	Deceleration Feed Mode/Direct Feed Mode Switch Threshold Value	20	1	50	Adjusts the Feed Mode threshold value. 1 count = 1 ms (adjust by 1 [ms/step]) With 20 = 170 ms, adjustment can be made in the range of -19 to +30 ms.	1 ms	O	O
742-068	Direct Feed Mode/Top Speed Feed Mode Switch Threshold Value	40	1	70	1 count = 1 ms (adjust by 1 [ms/step]) With 40 = 240 ms, adjustment can be made in the range of -39 to +30 ms.	1 ms	O	O
742-071	Tray 1 Lift Up Time	0	0	6000	Indicates the Lift Up Time of Tray 1.		O	O
742-072	Tray 2 Lift Up Time	0	0	6000	Indicates the Lift Up Time of Tray 2.		O	O
742-073	Tray 3 Lift Up Time	0	0	6000	Indicates the Lift Up Time of Tray 3.		O	O
742-074	Tray 1 Remaining Paper Detection Count Coefficient (Lifter Adjust Time)	45	1	100	The coefficient used in the calculation for Tray 1 Remaining Paper Detection (Lifter Adjust Time). 1 count = 1. With 45 = the default value, adjustment can be made in the range of 1 to 100.		O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-075	Tray 2 Remaining Paper Detection Count Coefficient (Lifter Adjust Time)	45	1	100	The coefficient used in the calculation for Tray 2 Remaining Paper Detection (Lifter Adjust Time). 1 count = 1. With 45 = the default value, adjustment can be made in the range of 1 to 100.		O	O
742-076	Tray 3 Remaining Paper Detection Count Coefficient (Lifter Adjust Time)	45	1	100	The coefficient used in the calculation for Tray 3 Remaining Paper Detection (Lifter Adjust Time). 1 count = 1. With 45 = the default value, adjustment can be made in the range of 1 to 100.		O	O
742-077	Tray 1 Lifter Adjust Count Value	0	0	200	Counts the number of Lifter Adjust of Tray 1. This value is set to '0' immediately after a Tray Lift Up and it counts up by 1 for each Lifter Adjust.		O	O
742-078	Tray 2 Lifter Adjust Count Value	0	0	200	Counts the number of Lifter Adjust of Tray 2. This value is set to '0' immediately after a Tray Lift Up and it counts up by 1 for each Lifter Adjust.		O	O
742-079	Tray 3 Lifter Adjust Count Value	0	0	200	Counts the number of Lifter Adjust of Tray 3. This value is set to '0' immediately after a Tray Lift Up and it counts up by 1 for each Lifter Adjust.		O	O
742-080	Tray Lifter Adjust Time	5	1	9	Adjusts the Tray Lifter Adjust Time. 1 count = 10 ms. With 5 = 50 ms, adjustment can be made in the range of -40 to +40 ms (10 to 90 ms).	10 ms	O	O
742-081	Tray 1 Lift Up Operation Information	0	0	1	Reference Data. If the power was turned OFF when a Lift Up is in progress, this occurrence will be stored as information in the NVM.		O	O
742-082	Tray 2 Lift Up Operation Information	0	0	1	Reference Data. If the power was turned OFF when a Lift Up is in progress, this occurrence will be stored as information in the NVM.		O	O
742-083	Tray 3 Lift Up Operation Information	0	0	1	Reference Data. If the power was turned OFF when a Lift Up is in progress, this occurrence will be stored as information in the NVM.		O	O
742-087	Tray 1 Nudger Solenoid OFF Timing	0	0	10	Adjusts the Tray 1 Nudger Solenoid OFF Timing. 1 count = 10 ms and adjustment can be made in the range of 0 to 100 ms.	10 ms	O	O
742-088	Tray 2 Nudger Solenoid OFF Timing	0	0	10	Adjusts the Tray 2 Nudger Solenoid OFF Timing. 1 count = 10 ms and adjustment can be made in the range of 0 to 100 ms.	10 ms	O	O
742-089	Tray 3 Nudger Solenoid OFF Timing	0	0	10	Adjusts the Tray 3 Nudger Solenoid OFF Timing. 1 count = 10 ms and adjustment can be made in the range of 0 to 100 ms.	10 ms	O	O
742-090	Tray 1 Late Feed Nudger Solenoid OFF Timing	5	0	15	Adjusts the Tray 1 Late Feed Nudger Solenoid OFF Timing. 1 count = 10 ms. With 5 = 50 ms, adjustment can be made in the range of -50 to +100 ms.	10 ms	O	O
742-091	Tray 2 Late Feed Nudger Solenoid OFF Timing	5	0	15	Adjusts the Tray 2 Late Feed Nudger Solenoid OFF Timing. 1 count = 10 ms. With 5 = 50 ms, adjustment can be made in the range of -50 to +100 ms.	10 ms	O	O
742-092	Tray 3 Late Feed Nudger Solenoid OFF Timing	5	0	15	Adjusts the Tray 3 Late Feed Nudger Solenoid OFF Timing. 1 count = 10 ms. With 5 = 50 ms, adjustment can be made in the range of -50 to +100 ms.	10 ms	O	O
742-093	Late Feed Mode Start Timing	50	0	100	Adjusts the feed fluctuation in Late Feed Mode. 1 count = 1 ms (adjust by 1 [ms/step]) With 50 = 190 ms, adjustment can be made in the range of -50 to +50 ms (140 to 240 ms).	1 ms	O	O
742-094	Pre Feed Mode Restart Timing	50	0	100	Adjusts the time until Feed Starts again in the Pre Feed Mode. 1 count = 1 ms (adjust by 1 [ms/step]) With 50 = 160 ms, adjustment can be made in the range of -50 to +50 ms (110 to 210 ms).	1 ms	O	O
742-095	Deceleration Feed Mode Re-accelerate Timing	50	15	100	Adjusts the timing until the re-acceleration in the Deceleration Feed Mode. 1 count = 1 ms (adjust by 1 [ms/step]) With 50 = 50 ms, adjustment can be made in the range of -35 to +50 ms (15 to 100 ms).	1 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-113	Takeaway Motor Drive Timing (Feed from Tray 1)	5	0	10	Adjusts the Takeaway Motor drive timing. (Feed from Tray 1). 1 count = 10 ms. With nominal = 5, adjustment can be made in the range of +/-50 ms.	10 ms	O	O
742-114	Takeaway Motor Drive Timing (Feed from Tray 2)	5	0	10	Adjusts the Takeaway Motor drive timing. (Feed from Tray 2). 1 count = 10 ms. With nominal = 5, adjustment can be made in the range of +/-50 ms.	10 ms	O	O
742-115	Takeaway Motor Drive Timing (Feed from Tray 3)	5	0	10	Adjusts the Takeaway Motor drive timing. (Feed from Tray 3). 1 count = 10 ms. With nominal = 5, adjustment can be made in the range of +/-50 ms.	10 ms	O	O
742-144	Takeaway Clutch 1 Diag Cycle Operation ON Time	50	1	6000	Product specific additional operation for Component Control. Adjusts the ON time for the Takeaway Clutch 1 Diag Cycle Operation. 1 count = 10 ms	10 ms	O	O
742-145	Takeaway Clutch 2 Diag Cycle Operation ON Time	50	1	6000	Product specific additional operation for Component Control. Adjusts the ON time for the Takeaway Clutch 2 Diag Cycle Operation. 1 count = 10 ms	10 ms	O	O
742-146	Takeaway Clutch 3 Diag Cycle Operation ON Time	50	1	6000	Product specific additional operation for Component Control. Adjusts the ON time for the Takeaway Clutch 3 Diag Cycle Operation. 1 count = 10 ms	10 ms	O	O
742-147	Takeaway Clutch 1 Diag Cycle Operation OFF Time	80	1	6000	Product specific additional operation for Component Control. Adjusts the OFF time for the Takeaway Clutch 1 Diag Cycle Operation. 1 count = 10 ms	10 ms	O	O
742-148	Takeaway Clutch 2 Diag Cycle Operation OFF Time	80	1	6000	Product specific additional operation for Component Control. Adjusts the OFF time for the Takeaway Clutch 2 Diag Cycle Operation. 1 count = 10 ms	10 ms	O	O
742-149	Takeaway Clutch 3 Diag Cycle Operation OFF Time	80	1	6000	Product specific additional operation for Component Control. Adjusts the OFF time for the Takeaway Clutch 3 Diag Cycle Operation. 1 count = 10 ms	10 ms	O	O
742-154	MSI Side Guide Minimum Position	966	905	1023	Stores the analog value for the MSI Side Guide Minimum Width. (During MSI Side Guide Adjustment, if the analog value is out of the setting range, the data is not stored)		O	O
742-155	MSI Side Guide Maximum Position	60	0	164	Stores the analog value for the MSI Side Guide Maximum Width. (During MSI Side Guide Adjustment, if the analog value is out of the setting range, the data is not stored)		O	O
742-156	MSI Paper Width Measurement Result (Width)	0	0	10000	For analyzing external problems. Paper size (Width) from the MSI. Unit: 0.1 mm		O	O
742-157	MSI Paper Feed Length Measurement Result (Length)	0	0	10000	For analyzing external problems. Paper feed size (Length) from the MSI. Unit: 0.1 mm		O	O
742-163	MSI Lifter Adjust Time	10	1	20	Adjusts the stop timing for the MSI Lifter Adjust operation. 1 count = 10 ms. With nominal = 10, adjustment can be made in the range of -90 to +100 ms.	10 ms	O	O
742-164	MSI Feed Operation Start Timing	15	0	30	Adjusts the MSI Feed Operation Start Timing. 1 count = 10 ms. With nominal = 15, adjustment can be made in the range of +/-150 ms.	10 ms	O	O
742-166	MSI Pre Feed Mode/Deceleration Feed Mode Switch Threshold Value	40	0	80	For development. 1 count = 1 ms (adjust by 1 [ms/step]). With 40 = 80 ms, adjustment can be made within the range of -40 to +40 ms.	1 ms	O	O
742-167	MSI Deceleration Feed Mode/Direct Feed Mode Switch Threshold Value	40	0	80	For development. 1 count = 1 ms (adjust by 1 [ms/step]) With 40 = 120 ms, adjustment can be made in the range of -40 to +40 ms.	1 ms	O	O
742-171	MSI Nudger Solenoid OFF Timing	0	0	10	Adjusts the MSI Nudger Solenoid OFF Timing. 1 count = 10 ms and adjustment can be made in the range of 0 to 100 ms.	10 ms	O	O
742-172	MSI Late Feed Mode Nudger Solenoid OFF Timing	5	0	15	Adjusts the MSI Late Feed Mode Nudger Solenoid OFF Timing. 1 count = 10 ms. With 5 = 50 ms, adjustment can be made in the range of -50 to +100 ms.	10 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-173	MSI Late Feed Mode Start Timing	50	0	100	Adjusts the feed fluctuation in MSI Late Feed Mode. 1 count = 1 ms (adjust by 1 [ms/step]) With 50 = 200 ms, adjustment can be made in the range of -50 to +50 ms (150 to 250 ms).	1 ms	O	O
742-174	MSI Pre Feed Mode Restart Timing	50	0	100	Adjusts the time until Feed Starts again in the Pre Feed Mode. 1 count = 1 ms (adjust by 1 [ms/step]) With 50 = 230 ms, adjustment can be made in the range of -50 to +50 ms (180 to 280 ms).	1 ms	O	O
742-175	MSI Deceleration Feed Mode Calculation Formula Fixed Number Proportion	954	0	2000	Adjusts the fixed number proportion in the calculation formula for the MSI Deceleration Feed Mode. 1 count = 1. With 954 = the default value, adjustment can be made in the range of 0 to 2000.		O	O
742-176	MSI Deceleration Feed Mode Calculation Formula Fixed Number	326	130	400	Adjusts the fixed number in the calculation formula for the MSI Deceleration Feed Mode. 1 count = 1. With 326 = the default value, adjustment can be made in the range of 130 to 400.		O	O
742-194	Regi Motor Process Speed Adjustment (Process Speed 308.812 mm/s)	7	0	44	Fine adjusts the Process Speed of the Regi Motor. (Process Speed 308.133 mm/s). 1 count = 1 pps. With 7 = 3360 pps, adjustment can be made in the range of -7 to +37 pps.	1 pps	O	O
742-195	Regi Motor Process Speed Adjustment (Process Speed 224.992 mm/s)	5	0	32	Fine adjusts the Process Speed of the Regi Motor. (Process Speed 224.528 mm/s). 1 count = 1 pps. With 5 = 2448 pps, adjustment can be made in the range of -5 to +27 pps.	1 pps	O	O
742-196	Regi Motor Process Speed Adjustment (Process Speed 154.406 mm/s)	9	0	22	Fine adjusts the Process Speed of the Regi Motor. (Process Speed 154.066 mm/s). 1 count = 1 pps. With 3 = 1680 pps, adjustment can be made in the range of -3 to +19 pps.	1 pps	O	O
742-197	Regi Motor Process Speed Adjustment (Process Speed 102.937 mm/s)	2	0	29	Fine adjusts the Process Speed of the Regi Motor. (Process Speed 102.711 mm/s). 1 count = 1 pps. With 2 = 2240 pps, adjustment can be made in the range of -2 to +27 pps.	1 pps	O	O
742-198	Pre Registration Operation Start Timing (MSI)	4	0	8	Adjusts the Pre Registration Operation Start Timing for the paper fed from the MSI. 1 count = 10 ms. With 4 = -990 ms, adjustment can be made in the range of +/-40 ms.	10 ms	O	O
742-199	Pre Registration Operation Start Timing (Tray 1 to 3/HCF 1)	4	0	8	Adjusts the Pre Registration Operation Start Timing for the paper fed from Tray 1 to 3/HCF 1. 1 count = 10 ms. With 4 = -690 ms, adjustment can be made in the range of +/-40 ms.	10 ms	O	O
742-200	Pre Registration Operation Start Timing (Duplex)	4	0	8	Adjusts the Pre Registration Operation Start Timing for the paper fed from Duplex. 1 count = 10 ms. With 4 = -690 ms, adjustment can be made in the range of +/-40 ms.	10 ms	O	O
742-204	Pre Regi Sensor ON Timing (Designed Value) (Process Speed 308.133 mm/s)	40	0	80	Adjusts the designed value for the Pre Regi Sensor ON timing. (Process Speed 308.133 mm/s). 1 count = 1 ms. With 40 = 170 ms, adjustment can be made in the range of +/-40 ms.	1 ms	O	O
742-205	Pre Regi Sensor ON Timing (Designed Value) (Process Speed 224.528 mm/s)	40	0	80	Adjusts the designed value for the Pre Regi Sensor ON timing. (Process Speed 224.528 mm/s). 1 count = 1 ms. With 40 = 170 ms, adjustment can be made in the range of +/-40 ms.	1 ms	O	O
742-206	Pre Regi Sensor ON Timing (Designed Value) (Process Speed 154.066 mm/s)	40	0	80	Adjusts the designed value for the Pre Regi Sensor ON timing. (Process Speed 154.066 mm/s). 1 count = 1 ms. With 40 = 170 ms, adjustment can be made in the range of +/-40 ms.	1 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-207	Pre Regi Sensor ON Timing (Designed Value) (Process Speed 102.711 mm/s)	40	0	80	Adjusts the designed value for the Pre Regi Sensor ON timing. (Process Speed 102.711 mm/s). 1 count = 1 ms. With 40 = 170 ms, adjustment can be made in the range of +/-40 ms.	1 ms	O	O
742-208	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/64-79 gsm/TA & MSI Path)	24	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/64-79 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-209	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/80-90 gsm/TA & MSI Path)	24	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/80-90 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-210	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/91-105 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/91-105 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-211	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/106-128 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/106-128 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-212	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/129-150 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/129-150 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-213	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/151-176 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/151-176 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-214	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/177-220 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/177-220 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-215	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/221-256 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/221-256 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-216	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/257-300 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/257-300 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-217	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/64-79 gsm/Dup Path)	24	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/64-79 gsm/Dup Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-218	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/80-90 gsm/Dup Path)	24	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/80-90 gsm/Dup Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-219	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/91-105 gsm/Dup Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/91-105 gsm/Dup Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-220	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/106-128 gsm/Dup Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/106-128 gsm/Dup Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-221	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/129-150 gsm/Dup Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/129-150 gsm/Dup Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-222	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/151-176 gsm/Dup Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/151-176 gsm/Dup Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-223	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/177-220 gsm/Dup Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/177-220 gsm/Dup Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-224	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/221-256 gsm/Dup Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/221-256 gsm/Dup Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-225	Loop Amount Adjustment (Other than Labels, Transparency, Tack Film, and Envelope/257-300 gsm/Dup Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Other than Labels, Transparency, Tack Film, and Envelope/257-300 gsm/Dup Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-226	Loop Amount Adjustment (Labels/106-128 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Labels/106-128 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-227	Loop Amount Adjustment (Labels/129-150 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Labels/129-150 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-228	Loop Amount Adjustment (Labels/151-176 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Labels/151-176 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-229	Loop Amount Adjustment (Labels/177-220 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Labels/177-220 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-230	Loop Amount Adjustment (Labels/221-256 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Labels/221-256 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-231	Loop Amount Adjustment (Labels/257-300 gsm/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Labels/257-300 gsm/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-232	Loop Amount Adjustment (Transparency, Tack Film/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Transparency, Tack Film/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-241	Regi Assist Start Timing (Other than Labels, Transparency/64-79 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/64-79 gsm/TA & MSI Path). 1 count = 10 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms. When this value is '0', the Regi Assist Operation will not be performed.	10 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-242	Regi Assist Start Timing (Other than Labels, Transparency/80-90 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/80-90 gsm/TA & MSI Path). 1 count = 10 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms. When this value is '0', the Regi Assist Operation will not be performed.	10 ms	O	O
742-243	Regi Assist Start Timing (Other than Labels, Transparency/91-105 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/91-105 gsm/TA & MSI Path). 1 count = 10 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms. When this value is '0', the Regi Assist Operation will not be performed.	10 ms	O	O
742-244	Regi Assist Start Timing (Other than Labels, Transparency/106-128 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/106-128 gsm/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-245	Regi Assist Start Timing (Other than Labels, Transparency/129-150 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/129-150 gsm/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-246	Regi Assist Start Timing (Other than Labels, Transparency/151-176 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/151-176 gsm/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-247	Regi Assist Start Timing (Other than Labels, Transparency/177-220 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/177-220 gsm/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-248	Regi Assist Start Timing (Other than Labels, Transparency/221-256 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/221-256 gsm/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-249	Regi Assist Start Timing (Other than Labels, Transparency/257-300 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/257-300 gsm/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-250	Regi Assist Start Timing (Other than Labels, Transparency/64-79 gsm/Dup Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/64-79 gsm/Dup Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-251	Regi Assist Start Timing (Other than Labels, Transparency/80-90 gsm/Dup Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/80-90 gsm/Dup Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-252	Regi Assist Start Timing (Other than Labels, Transparency/91-105 gsm/Dup Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/91-105 gsm/Dup Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-253	Regi Assist Start Timing (Other than Labels, Transparency/106-128 gsm/Dup Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/106-128 gsm/Dup Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-254	Regi Assist Start Timing (Other than Labels, Transparency/129-150 gsm/Dup Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/129-150 gsm/Dup Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-255	Regi Assist Start Timing (Other than Labels, Transparency/151-176 gsm/Dup Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/151-176 gsm/Dup Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-256	Regi Assist Start Timing (Other than Labels, Transparency/177-220 gsm/Dup Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/177-220 gsm/Dup Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-257	Regi Assist Start Timing (Other than Labels, Transparency/221-256 gsm/Dup Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/221-256 gsm/Dup Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-258	Regi Assist Start Timing (Other than Labels, Transparency/257-300 gsm/Dup Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Other than Labels, Transparency/257-300 gsm/Dup Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-259	Regi Assist Start Timing (Labels/106-128 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Labels/106-128 gsm/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-260	Regi Assist Start Timing (Labels/129-150 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Labels/129-150 gsm/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-261	Regi Assist Start Timing (Labels/151-176 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Labels/151-176 gsm/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-262	Regi Assist Start Timing (Labels/177-220 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Labels/177-220 gsm/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-263	Regi Assist Start Timing (Labels/221-256 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Labels/221-256 gsm/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-264	Regi Assist Start Timing (Labels/257-300 gsm/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Labels/257-300 gsm/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-265	Regi Assist Start Timing (Transparency, Tack Film/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Transparency, Tack Film/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-266	Lead Regi Adjustment (64-79 gsm/Side 1)	0	-30	30	Adjusts the Regi Motor deceleration timing. (64-79 gsm/Side 1). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-267	Lead Regi Adjustment (80-90 gsm/Side 1)	0	-30	30	Adjusts the Regi Motor deceleration timing. (80-90 gsm/Side 1). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-268	Lead Regi Adjustment (91-105 gsm/Side 1)	0	-30	30	Adjusts the Regi Motor deceleration timing. (91-105 gsm/Side 1). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-269	Lead Regi Adjustment (106-128 gsm/Side 1)	0	-30	30	Adjusts the Regi Motor deceleration timing. (106-128 gsm/Side 1). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-270	Lead Regi Adjustment (129-150 gsm/Side 1)	0	-30	30	Adjusts the Regi Motor deceleration timing. (129-150 gsm/Side 1). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-271	Lead Regi Adjustment (151-176 gsm/Side 1)	0	-30	30	Adjusts the Regi Motor deceleration timing. (151-176 gsm/Side 1). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-272	Lead Regi Adjustment (177-220 gsm/Side 1)	0	-30	30	Adjusts the Regi Motor deceleration timing. (177-220 gsm/Side 1). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-273	Lead Regi Adjustment (221-256 gsm/Side 1)	0	-30	30	Adjusts the Regi Motor deceleration timing. (221-256 gsm/Side 1). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-274	Lead Regi Adjustment (257-300 gsm/Side 1)	0	-30	30	Adjusts the Regi Motor deceleration timing. (257-300 gsm/Side 1). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-275	Lead Regi Adjustment (64-79 gsm/Side 2)	0	-30	30	Adjusts the Regi Motor deceleration timing. (64-79 gsm/Side 2). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-276	Lead Regi Adjustment (80-90 gsm/Side 2)	0	-30	30	Adjusts the Regi Motor deceleration timing. (80-90 gsm/Side 2). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-277	Lead Regi Adjustment (91-105 gsm/Side 2)	0	-30	30	Adjusts the Regi Motor deceleration timing. (91-105 gsm/Side 2). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-278	Lead Regi Adjustment (106-128 gsm/Side 2)	0	-30	30	Adjusts the Regi Motor deceleration timing. (106-128 gsm/Side 2). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-279	Lead Regi Adjustment (129-150 gsm/Side 2)	0	-30	30	Adjusts the Regi Motor deceleration timing. (129-150 gsm/Side 2). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-280	Lead Regi Adjustment (151-176 gsm/Side 2)	0	-30	30	Adjusts the Regi Motor deceleration timing. (151-176 gsm/Side 2). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-281	Lead Regi Adjustment (177-220 gsm/Side 2)	0	-30	30	Adjusts the Regi Motor deceleration timing. (177-220 gsm/Side 2). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-282	Lead Regi Adjustment (221-256 gsm/Side 2)	0	-30	30	Adjusts the Regi Motor deceleration timing. (221-256 gsm/Side 2). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-283	Lead Regi Adjustment (257-300 gsm/Side 2)	0	-30	30	Adjusts the Regi Motor deceleration timing. (257-300 gsm/Side 2). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-284	Paper Transport Path Correction Value	0	-20	20	Corrects the distance from the Regi Out Sensor to the Tacking Point. 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-2.0 mm.	0.1 mm	O	O
742-287	Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift (TA & Dup Path) (Process Speed 308.133 mm/s)	236	220	260	Adjusts the Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift. If the Paper Feed Length is equal to or longer than the Threshold Value, the loop amount during Side Shift Control of Regi Roll is adjusted by controlling the speed of the Transport Motor. (TA & Dup Path) (Process Speed 308.133 mm/s). 1 count = 1 mm. With nominal = 236.0 mm, adjustment can be made in the range of -16 to +24 mm.	1 mm	O	O
742-288	Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift (TA & Dup Path) (Process Speed 224.528 mm/s)	236	220	260	Adjusts the Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift. If the Paper Feed Length is equal to or longer than the Threshold Value, the loop amount during Side Shift Control of Regi Roll is adjusted by controlling the speed of the Transport Motor. (TA & Dup Path) (Process Speed 224.528 mm/s). 1 count = 1 mm. With nominal = 236.0 mm, adjustment can be made in the range of -16 to +24 mm.	1 mm	O	O
742-289	Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift (TA & Dup Path) (Process Speed 154.066 mm/s)	236	220	260	Adjusts the Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift. If the Paper Feed Length is equal to or longer than the Threshold Value, the loop amount during Side Shift Control of Regi Roll is adjusted by controlling the speed of the Transport Motor. (TA & Dup Path) (Process Speed 154.066 mm/s). 1 count = 1 mm. With nominal = 236.0 mm, adjustment can be made in the range of -16 to +24 mm.	1 mm	O	O
742-290	Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift (TA & Dup Path) (Process Speed 102.711 mm/s)	236	220	260	Adjusts the Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift. If the Paper Feed Length is equal to or longer than the Threshold Value, the loop amount during Side Shift Control of Regi Roll is adjusted by controlling the speed of the Transport Motor. (TA & Dup Path) (Process Speed 102.711 mm/s). 1 count = 1 mm. With nominal = 236.0 mm, adjustment can be made in the range of -16 to +24 mm.	1 mm	O	O
742-291	Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift (MSI Path) (Process Speed 308.133 mm/s)	231	220	260	Adjusts the Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift. If the Paper Feed Length is equal to or longer than the Threshold Value, the loop amount during Side Shift Control of Regi Roll is adjusted by controlling the speed of the Transport Motor. (MSI Path) (Process Speed 308.133 mm/s). 1 count = 1 mm. With nominal = 231.0 mm, adjustment can be made in the range of -11 to +29 mm.	1 mm	O	O
742-292	Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift (MSI Path) (Process Speed 224.528 mm/s)	231	220	260	Adjusts the Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift. If the Paper Feed Length is equal to or longer than the Threshold Value, the loop amount during Side Shift Control of Regi Roll is adjusted by controlling the speed of the Transport Motor. (MSI Path) (Process Speed 224.528 mm/s). 1 count = 1 mm. With nominal = 231.0 mm, adjustment can be made in the range of -11 to +29 mm.	1 mm	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-293	Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift (MSI Path) (Process Speed 154.066 mm/s)	231	220	260	Adjusts the Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift. If the Paper Feed Length is equal to or longer than the Threshold Value, the loop amount during Side Shift Control of Regi Roll is adjusted by controlling the speed of the Transport Motor. (MSI Path) (Process Speed 154.066 mm/s). 1 count = 1 mm. With nominal = 231.0 mm, adjustment can be made in the range of -11 to +29 mm.	1 mm	O	O
742-294	Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift (MSI Path) (Process Speed 102.711 mm/s)	231	220	260	Adjusts the Paper Feed Length Threshold Value to perform Loop Correction Control during Side Shift. If the Paper Feed Length is equal to or longer than the Threshold Value, the loop amount during Side Shift Control of Regi Roll is adjusted by controlling the speed of the Transport Motor. (MSI Path) (Process Speed 102.711 mm/s). 1 count = 1 mm. With nominal = 231.0 mm, adjustment can be made in the range of -11 to +29 mm.	1 mm	O	O
742-295	Loop Start Timing during Side Shift (TA & Dup Path) (Process Speed 308.133 mm/s)	30	0	60	Adjusts the Loop Start Timing during Side Shift. (TA & Dup Path) (Process Speed 308.133 mm/s). 1 count = 1 ms. With nominal = 30 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-296	Loop Start Timing during Side Shift (TA & Dup Path) (Process Speed 224.528 mm/s)	30	0	60	Adjusts the Loop Start Timing during Side Shift. (TA & Dup Path) (Process Speed 224.528 mm/s). 1 count = 1 ms. With nominal = 30 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-297	Loop Start Timing during Side Shift (TA & Dup Path) (Process Speed 154.066 mm/s)	30	0	60	Adjusts the Loop Start Timing during Side Shift. (TA & Dup Path) (Process Speed 154.066 mm/s). 1 count = 1 ms. With nominal = 30 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-298	Loop Start Timing during Side Shift (TA & Dup Path) (Process Speed 102.711 mm/s)	30	0	60	Adjusts the Loop Start Timing during Side Shift. (TA & Dup Path) (Process Speed 102.711 mm/s). 1 count = 1 ms. With nominal = 30 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-299	Loop Start Timing during Side Shift (MSI Path) (Process Speed 308.133 mm/s)	30	0	60	Adjusts the Loop Start Timing during Side Shift. (MSI Path) (Process Speed 308.133 mm/s). 1 count = 1 ms. With nominal = 30 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-300	Loop Start Timing during Side Shift (MSI Path) (Process Speed 224.528 mm/s)	30	0	60	Adjusts the Loop Start Timing during Side Shift. (MSI Path) (Process Speed 224.528 mm/s). 1 count = 1 ms. With nominal = 30 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-301	Loop Start Timing during Side Shift (MSI Path) (Process Speed 154.066 mm/s)	30	0	60	Adjusts the Loop Start Timing during Side Shift. (MSI Path) (Process Speed 154.066 mm/s). 1 count = 1 ms. With nominal = 30 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-302	Loop Start Timing during Side Shift (MSI Path) (Process Speed 102.711 mm/s)	30	0	60	Adjusts the Loop Start Timing during Side Shift. (MSI Path) (Process Speed 102.711 mm/s). 1 count = 1 ms. With nominal = 30 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-303	Loop Correction Amount during Side Shift (TA & Dup Path) (Process Speed 308.133 mm/s)	0	0	5	Adjusts the Loop Correction Amount during Side Shift. (TA & Dup Path) (Process Speed 308.133 mm/s). 1 count = 10 ms. With nominal = 0 ms, adjustment can be made in the range of 0 to 50 ms.	10 ms	O	O
742-304	Loop Correction Amount during Side Shift (TA & Dup Path) (Process Speed 224.528 mm/s)	0	0	5	Adjusts the Loop Correction Amount during Side Shift. (TA & Dup Path) (Process Speed 224.528 mm/s). 1 count = 10 ms. With nominal = 0 ms, adjustment can be made in the range of 0 to 50 ms.	10 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-305	Loop Correction Amount during Side Shift (TA & Dup Path) (Process Speed 154.066 mm/s)	0	0	5	Adjusts the Loop Correction Amount during Side Shift. (TA & Dup Path) (Process Speed 154.066 mm/s). 1 count = 10 ms. With nominal = 0 ms, adjustment can be made in the range of 0 to 50 ms.	10 ms	O	O
742-306	Loop Correction Amount during Side Shift (TA & Dup Path) (Process Speed 102.711 mm/s)	0	0	5	Adjusts the Loop Correction Amount during Side Shift. (TA & Dup Path) (Process Speed 102.711 mm/s). 1 count = 10 ms. With nominal = 0 ms, adjustment can be made in the range of 0 to 50 ms.	10 ms	O	O
742-307	Loop Correction Amount during Side Shift (MSI Path) (Process Speed 308.133 mm/s)	0	0	5	Adjusts the Loop Correction Amount during Side Shift. (MSI Path) (Process Speed 308.133 mm/s). 1 count = 10 ms. With nominal = 0 ms, adjustment can be made in the range of 0 to 50 ms.	10 ms	O	O
742-308	Loop Correction Amount during Side Shift (MSI Path) (Process Speed 224.528 mm/s)	0	0	5	Adjusts the Loop Correction Amount during Side Shift. (MSI Path) (Process Speed 224.528 mm/s). 1 count = 10 ms. With nominal = 0 ms, adjustment can be made in the range of 0 to 50 ms.	10 ms	O	O
742-309	Loop Correction Amount during Side Shift (MSI Path) (Process Speed 154.066 mm/s)	0	0	5	Adjusts the Loop Correction Amount during Side Shift. (MSI Path) (Process Speed 154.066 mm/s). 1 count = 10 ms. With nominal = 0 ms, adjustment can be made in the range of 0 to 50 ms.	10 ms	O	O
742-310	Loop Correction Amount during Side Shift (MSI Path) (Process Speed 102.711 mm/s)	0	0	5	Adjusts the Loop Correction Amount during Side Shift. (MSI Path) (Process Speed 102.711 mm/s). 1 count = 10 ms. With nominal = 0 ms, adjustment can be made in the range of 0 to 50 ms.	10 ms	O	O
742-312	Pre Regi Motor Stop Timing @Registration Operation (TA & Dup Path) (Process Speed 308.133 mm/s)	20	0	40	Adjusts the Pre Regi Motor stop timing during Registration operation. (TA & Dup Path) (Process Speed 308.133 mm/s). 1 count = 1 ms. With 20 = 314 ms, adjustment can be made in the range of +/-20 ms (other than Hole Punched, Tab Stock). With 20 = 370 ms, adjustment can be made in the range of +/-20 ms (Hole Punched, Tab Stock).	1 ms	O	O
742-313	Pre Regi Motor Stop Timing @Registration Operation (TA & Dup Path) (Process Speed 224.528 mm/s)	20	0	40	Adjusts the Pre Regi Motor stop timing during Registration operation. (TA & Dup Path) (Process Speed 224.528 mm/s). 1 count = 1 ms. With 20 = 432 ms, adjustment can be made in the range of +/-20 ms (other than Hole Punched, Tab Stock). With 20 = 507 ms, adjustment can be made in the range of +/-20 ms (Hole Punched, Tab Stock).	1 ms	O	O
742-314	Pre Regi Motor Stop Timing @Registration Operation (TA & Dup Path) (Process Speed 154.066 mm/s)	20	0	40	Adjusts the Pre Regi Motor stop timing during Registration operation. (TA & Dup Path) (Process Speed 154.066 mm/s). 1 count = 1 ms. With 20 = 629 ms, adjustment can be made in the range of +/-20 ms (other than Hole Punched, Tab Stock). With 20 = 739 ms, adjustment can be made in the range of +/-20 ms (Hole Punched, Tab Stock).	1 ms	O	O
742-315	Pre Regi Motor Stop Timing @Registration Operation (TA & Dup Path) (Process Speed 102.711 mm/s)	20	0	40	Adjusts the Pre Regi Motor stop timing during Registration operation. (TA & Dup Path) (Process Speed 102.711 mm/s). 1 count = 1 ms. With 20 = 943 ms, adjustment can be made in the range of +/-20 ms (other than Hole Punched, Tab Stock). With 20 = 1109 ms, adjustment can be made in the range of +/-20 ms (Hole Punched, Tab Stock).	1 ms	O	O
742-316	Pre Regi Motor Stop Timing @Registration Operation (MSI Path) (Process Speed 308.133 mm/s)	20	0	40	Adjusts the Pre Regi Motor stop timing during Registration operation. (MSI Path) (Process Speed 308.133 mm/s). 1 count = 1 ms. With 20 = 295 ms, adjustment can be made in the range of +/-20 ms (other than Hole Punched, Tab Stock). With 20 = 350 ms, adjustment can be made in the range of +/-20 ms (Hole Punched, Tab Stock).	1 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-317	Pre Regi Motor Stop Timing @Registration Operation (MSI Path) (Process Speed 224.528 mm/s)	20	0	40	Adjusts the Pre Regi Motor stop timing during Registration operation. (MSI Path) (Process Speed 224.528 mm/s). 1 count = 1 ms. With 20 = 405 ms, adjustment can be made in the range of +/-20 ms (other than Hole Punched, Tab Stock). With 20 = 480 ms, adjustment can be made in the range of +/-20 ms (Hole Punched, Tab Stock).	1 ms	O	O
742-318	Pre Regi Motor Stop Timing @Registration Operation (MSI Path) (Process Speed 154.066 mm/s)	20	0	40	Adjusts the Pre Regi Motor stop timing during Registration operation. (MSI Path) (Process Speed 154.066 mm/s). 1 count = 1 ms. With 20 = 590 ms, adjustment can be made in the range of +/-20 ms (other than Hole Punched, Tab Stock). With 20 = 700 ms, adjustment can be made in the range of +/-20 ms (Hole Punched, Tab Stock).	1 ms	O	O
742-319	Pre Regi Motor Stop Timing @Registration Operation (MSI Path) (Process Speed 102.711 mm/s)	20	0	40	Adjusts the Pre Regi Motor stop timing during Registration operation. (MSI Path) (Process Speed 102.711 mm/s). 1 count = 1 ms. With 20 = 885 ms, adjustment can be made in the range of +/-20 ms (other than Hole Punched, Tab Stock). With 20 = 1050 ms, adjustment can be made in the range of +/-20 ms (Hole Punched, Tab Stock).	1 ms	O	O
742-320	Regi Motor Stop Timing (Process Speed 308.133 mm/s)	20	0	40	Adjusts the Regi Motor stop timing. (Process Speed 308.133 mm/s). 1 count = 1 mc. With 20 = 75 mc (74 ms), adjustment can be made in the range of +/-20 mc (other than Hole Punched, Tab Stock). With 20 = 130 mc (130 ms), adjustment can be made in the range of +/-20 mc (Hole Punched, Tab Stock).	1 mc	O	O
742-321	Regi Motor Stop Timing (Process Speed 224.528 mm/s)	20	0	40	Adjusts the Regi Motor stop timing. (Process Speed 224.528 mm/s). 1 count = 1 mc. With 20 = 75 mc (102 ms), adjustment can be made in the range of +/-20 mc (other than Hole Punched, Tab Stock). With 20 = 130 mc (178 ms), adjustment can be made in the range of +/-20 mc (Hole Punched, Tab Stock).	1 mc	O	O
742-322	Regi Motor Stop Timing (Process Speed 154.066 mm/s)	20	0	40	Adjusts the Regi Motor stop timing. (Process Speed 154.066 mm/s). 1 count = 1 mc. With 20 = 75 mc (149 ms), adjustment can be made in the range of +/-20 mc (other than Hole Punched, Tab Stock). With 20 = 130 mc (259 ms), adjustment can be made in the range of +/-20 mc (Hole Punched, Tab Stock).	1 mc	O	O
742-323	Regi Motor Stop Timing (Process Speed 102.711 mm/s)	20	0	40	Adjusts the Regi Motor stop timing. (Process Speed 102.711 mm/s). 1 count = 1 mc. With 20 = 75 mc (223 ms), adjustment can be made in the range of +/-20 mc (other than Hole Punched, Tab Stock). With 20 = 130 mc (389 ms), adjustment can be made in the range of +/-20 mc (Hole Punched, Tab Stock).	1 mc	O	O
742-324	Lead Regi Out Of Range Detection Time (Process Speed 308.133 mm/s)	15	0	30	Adjusts the Lead Regi Out of Range detection time. (Process Speed 308.133 mm/s). 1 count = 1 ms. With 15 = 215 ms, adjustment can be made in the range of +/-15 ms.	1 ms	O	O
742-325	Lead Regi Out Of Range Detection Time (Process Speed 224.528 mm/s)	15	0	30	Adjusts the Lead Regi Out of Range detection time. (Process Speed 224.528 mm/s). 1 count = 1 ms. With 15 = 320 ms, adjustment can be made in the range of +/-15 ms.	1 ms	O	O
742-326	Lead Regi Out Of Range Detection Time (Process Speed 154.066 mm/s)	15	0	30	Adjusts the Lead Regi Out of Range detection time. (Process Speed 154.066 mm/s). 1 count = 1 ms. With 15 = 548 ms, adjustment can be made in the range of +/-15 ms.	1 ms	O	O
742-327	Lead Regi Out Of Range Detection Time (Process Speed 102.711 mm/s)	15	0	30	Adjusts the Lead Regi Out of Range detection time. (Process Speed 102.711 mm/s). 1 count = 1 ms. With 15 = 913 ms, adjustment can be made in the range of +/-15 ms.	1 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-330	Roll Return Operation Start Timing (Process Speed 308.133 mm/s)	30	0	60	Adjusts the Roll Return Operation start timing. (Process Speed 308.133 mm/s). 1 count = 1 ms. With 30 = 425 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-331	Roll Return Operation Start Timing (Process Speed 224.528 mm/s)	30	0	60	Adjusts the Roll Return Operation start timing. (Process Speed 224.528 mm/s). 1 count = 1 ms. With 30 = 489 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-332	Roll Return Operation Start Timing (Process Speed 154.066 mm/s)	30	0	60	Adjusts the Roll Return Operation start timing. (Process Speed 154.066 mm/s). 1 count = 1 ms. With 30 = 546 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-333	Roll Return Operation Start Timing (Process Speed 102.711 mm/s)	30	0	60	Adjusts the Roll Return Operation start timing. (Process Speed 102.711 mm/s). 1 count = 1 ms. With 30 = 635 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-336	Fusing Oscillation Switching No. of Sheets	100	1	10000	Adjusts the no. of sheets until the Fusing Oscillation switches the pass through line for paper edge. 1 count = 1 sheet. With nominal = 100 sheets, adjustment can be made in the range of 1 to 10000 sheets.	1 sheet s	O	O
742-337	Fusing Oscillation Pass Through No. of Sheets	0	0	10001	Counts the no. of sheets that had passed through after the Fusing Oscillation has switched the pass through line for paper edge. 1 count = 0 sheet. With nominal = 0 sheets, adjustment can be made in the range of 1 to 10001 sheets.	1 sheet s	O	O
742-338	Side Shift Correction Check Timing	40	5	75	Adjusts the paper Side Edge detection timing at the Side Line Regi Sensor that had undergone Side Shift Correction. 1 count = 10 ms. With 60 = 600, adjustment can be made within the range of 5 to 75 ms.	10 ms	O	O
742-341	Pre Regi Release Operation Start Timing (Process Speed 308.133 mm/s)	0	0	50	Adjusts the Pre Regi Release operation start timing. (Process Speed 308.133 mm/s). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-342	Pre Regi Release Operation Start Timing (Process Speed 224.528 mm/s)	0	0	50	Adjusts the Pre Regi Release operation start timing. (Process Speed 224.528 mm/s). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-343	Pre Regi Release Operation Start Timing (Process Speed 154.066 mm/s)	0	0	50	Adjusts the Pre Regi Release operation start timing. (Process Speed 154.066 mm/s). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-344	Pre Regi Release Operation Start Timing (Process Speed 102.711 mm/s)	0	0	50	Adjusts the Pre Regi Release operation start timing. (Process Speed 102.711 mm/s). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-345	Pre Regi Nip Operation Start Timing (PS 224/154/102) (MSI Path)	0	0	50	Adjusts the Pre Regi Nip operation start timing. (At Process Speed 224/154/102, MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-346	Pre Regi Nip Operation Start Timing (PS 224/154/102) (TA & Dup Path)	0	0	50	Adjusts the Pre Regi Nip operation start timing. (At Process Speed 224/154/102, TA & Dup Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-347	Pre Regi Nip Operation Start Timing (PS 308) (MSI Path)	0	0	50	Adjusts the Pre Regi Nip operation start timing. (At Process Speed 308 mm/s, MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-348	Pre Regi Nip Operation Start Timing (PS 308) (TA & Dup Path)	0	0	50	Adjusts the Pre Regi Nip operation start timing. (At Process Speed 308 mm/s, TA & Dup Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-349	Regi N/R Control Allow/Prohibit (Process Speed 308.133 mm/s)	0	0	1	Sets whether to allow/prohibit Regi N/R Control. (Process Speed 308.133 mm/s). 0: Allow correction, 1: Prohibit correction		O	O
742-350	Regi N/R Control Allow/Prohibit (Process Speed 224.528 mm/s)	0	0	1	Sets whether to allow/prohibit Regi N/R Control. (Process Speed 224.528 mm/s). 0: Allow correction, 1: Prohibit correction		O	O
742-351	Regi N/R Control Allow/Prohibit (Process Speed 154.066 mm/s)	0	0	1	Sets whether to allow/prohibit Regi N/R Control. (Process Speed 154.066 mm/s). 0: Allow correction, 1: Prohibit correction		O	O
742-352	Regi N/R Control Allow/Prohibit (Process Speed 102.711 mm/s)	0	0	1	Sets whether to allow/prohibit Regi N/R Control. (Process Speed 102.711 mm/s). 0: Allow correction, 1: Prohibit correction		O	O
742-353	Regi Release Operation Start Timing (Process Speed 308.133 mm/s)	30	0	60	Adjusts the Regi Release operation start timing. (Process Speed 308.133 mm/s). 1 count = 1 ms. With 30 = 284 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-354	Regi Release Operation Start Timing (Process Speed 224.528 mm/s)	30	0	60	Adjusts the Regi Release operation start timing. (Process Speed 224.528 mm/s). 1 count = 1 ms. With 30 = 348 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-355	Regi Release Operation Start Timing (Process Speed 154.066 mm/s)	30	0	60	Adjusts the Regi Release operation start timing. (Process Speed 154.066 mm/s). 1 count = 1 ms. With 30 = 405 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-356	Regi Release Operation Start Timing (Process Speed 102.711 mm/s)	30	0	60	Adjusts the Regi Release operation start timing. (Process Speed 102.711 mm/s). 1 count = 1 ms. With 30 = 495 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-357	Regi Nip Operation Start Timing (Process Speed 308.133 mm/s)	40	0	80	Adjusts the Regi Nip operation start timing. (Process Speed 308.133 mm/s). 1 count = 1 ms. With 40 = 45 ms, adjustment can be made in the range of +/-40 ms (other than Hole Punched, Tab Stock). With 40 = 100 ms, adjustment can be made in the range of +/-40 ms (Hole Punched, Tab Stock).	1 ms	O	O
742-358	Regi Nip Operation Start Timing (Process Speed 224.528 mm/s)	40	0	80	Adjusts the Regi Nip operation start timing. (Process Speed 224.528 mm/s). 1 count = 1 ms. With 40 = 73 ms, adjustment can be made in the range of +/-40 ms (other than Hole Punched, Tab Stock). With 40 = 149 ms, adjustment can be made in the range of +/-40 ms (Hole Punched, Tab Stock).	1 ms	O	O
742-359	Regi Nip Operation Start Timing (Process Speed 154.066 mm/s)	40	0	80	Adjusts the Regi Nip operation start timing. (Process Speed 154.066 mm/s). 1 count = 1 ms. With 40 = 120 ms, adjustment can be made in the range of +/-40 ms (other than Hole Punched, Tab Stock). With 40 = 230 ms, adjustment can be made in the range of +/-40 ms (Hole Punched, Tab Stock).	1 ms	O	O
742-360	Regi Nip Operation Start Timing (Process Speed 102.711 mm/s)	40	0	80	Adjusts the Regi Nip operation start timing. (Process Speed 102.711 mm/s). 1 count = 1 ms. With 40 = 195 ms, adjustment can be made in the range of +/-40 ms (other than Hole Punched, Tab Stock). With 40 = 360 ms, adjustment can be made in the range of +/-40 ms (Hole Punched, Tab Stock).	1 ms	O	O
742-361	Paper Type Mismatch Detection Switch (Limited to Transparency)	-	0	1	Sets whether to stop the machine when color operation printing is performed with the paper quality other than Transparency specified and mismatch occurs because Transparency is detected. 0: Detect, 1: Do not detect		X	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-362	Color Transparency (with frame) Detection Switch	0	0	1	Sets whether to stop the MC when performing color print operation with Transparency specified and Color Transparency (with frame) is detected instead. 0: Detect, 1: Do not detect. The following describes the default value definitions by type: Type 1: FX Market; Type 2: AP Market (AP, GCO); Type 3: XC Market; Type 4: XE Market (EU, DMO-E, DMO-W). Default values: Type 1 = 0, Type 2 = 0, Type 3 = 1, Type 4 = 1.		O	O
742-363	Size Mismatch Detection Switch	0	0	1	Sets whether to allow/prohibit Size Mismatch Detection. 0: Allow Size Mismatch Detection, 1: Prohibit Size Mismatch Detection.		O	O
742-364	Pre Regi Motor Current Value Duty (Strong Current)	43	0	100	Adjusts the current value (strong current) of the Pre Regi Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-365	Pre Regi Motor Current Value Duty (Medium Current)	58	0	100	Adjusts the current value (medium current) of the Pre Regi Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-366	Pre Regi Motor Current Value Duty (Weak Current)	29	0	100	Adjusts the current value (weak current) of the Pre Regi Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-367	Transport Motor Current Value Duty (Strong Current)	77	0	100	Adjusts the current value (strong current) of the Transport Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-368	Transport Motor Current Value Duty (Medium Current)	64	0	100	Adjusts the current value (medium current) of the Transport Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-369	Transport Motor Current Value Duty (Weak Current)	58	0	100	Adjusts the current value (weak current) of the Transport Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-370	Regi Motor Current Value Duty (Strong Current)	67	0	100	Adjusts the current value (strong current) of the Regi Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-371	Regi Motor Current Value Duty (Medium Current)	58	0	100	Adjusts the current value (medium current) of the Regi Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-372	Regi Motor Current Value Duty (Weak Current)	48	0	100	Adjusts the current value (weak current) of the Regi Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-373	Side Shift Motor Current Value Duty (Strong Current)	86	0	100	Adjusts the current value (strong current) of the Side Shift Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-374	Side Shift Motor Current Value Duty (Weak Current)	29	0	100	Adjusts the current value (weak current) of the Side Shift Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-375	Pre Regi N/R Motor Current Value Duty (Strong Current)	67	0	100	Adjusts the current value (strong current) of the Pre Regi N/R Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-376	Pre Regi N/R Motor Current Value Duty (Medium Current)	58	0	100	Adjusts the current value (medium current) of the Pre Regi N/R Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-377	Pre Regi N/R Motor Current Value Duty (Weak Current)	48	0	100	Adjusts the current value (weak current) of the Pre Regi N/R Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-378	Regi N/R Motor Current Value Duty (Strong Current)	67	0	100	Adjusts the current value (strong current) of the Regi N/R Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-379	Regi N/R Motor Current Value Duty (Medium Current)	58	0	100	Adjusts the current value (medium current) of the Regi N/R Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-380	Regi N/R Motor Current Value Duty (Weak Current)	48	0	100	Adjusts the current value (weak current) of the Regi N/R Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-382	Lead Regi Error Switch	0	0	1	Switches the control that is to be performed after the time from Regi Sync to Regi Out Sensor has shifted to reach or exceed the permissible value. (0: Hidden failure, 1: Jam (Dynamic))		O	O
742-383	CIS Side Regi Error Switch	0	0	1	Fail Type Switch. 0: Paper can be transported (Hidden failure), 1: Paper cannot be transported ((Dynamic Jam) or (SubsystemFail)) Switches the operation for when the following hidden failures has occurred. 0: Send only the hidden failure that has occurred, 1: Send the Side Regi Error (Dynamic Jam) or the CIS SubsystemFail (SubsystemFail) depending on the hidden failure that has occurred. List of Hidden Failures for which Side Regi Error is sent: -CIS Side Edge Detect A Fail, -CIS Side Edge Detect B Fail, -CIS Side Edge Detect C Fail, -CIS SideEdge Detect Fail, -CIS Side Edge Out of Range List of Hidden Failures for which CIS Subsystem Fail is sent: -CIS Dark Level Error, -CIS White Level Error, -CIS LED Power Control Fail, -CIS Shading Data Fail, -CIS FPGA Fail, -CIS Comm Fail		O	O
742-385	Invert In Gate Switch Operation Timing (Exit Side) (Process Speed 308.133 mm/s)	0	-50	50	Adjusts the Invert In Gate Motor switching operation timing. (Process Speed 308.133 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-50 ms.	1 ms	O	O
742-386	Invert In Gate Switch Operation Timing (Exit Side) (Process Speed 224.528 mm/s)	0	-50	50	Adjusts the Invert In Gate Motor switching operation timing. (Process Speed 224.528 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-50 ms.	1 ms	O	O
742-387	Invert In Gate Switch Operation Timing (Exit Side) (Process Speed 154.066 mm/s)	0	-50	50	Adjusts the Invert In Gate Motor switching operation timing. (Process Speed 154.066 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-50 ms.	1 ms	O	O
742-388	Invert In Gate Switch Operation Timing (Exit Side) (Process Speed 102.711 mm/s)	0	-50	50	Adjusts the Invert In Gate Motor switching operation timing. (Process Speed 102.711 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-50 ms.	1 ms	O	O
742-389	Invert In Gate Switch Operation Timing (Invert Side) (Process Speed 308.133 mm/s)	0	-50	50	Adjusts the Invert In Gate Motor switching operation timing. (Process Speed 308.133 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-50 ms.	1 ms	O	O
742-390	Invert In Gate Switch Operation Timing (Invert Side) (Process Speed 224.528 mm/s)	0	-50	50	Adjusts the Invert In Gate Motor switching operation timing. (Process Speed 224.528 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-50 ms.	1 ms	O	O
742-391	Invert In Gate Switch Operation Timing (Invert Side) (Process Speed 154.066 mm/s)	0	-50	50	Adjusts the Invert In Gate Motor switching operation timing. (Process Speed 154.066 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-50 ms.	1 ms	O	O
742-392	Invert In Gate Switch Operation Timing (Invert Side) (Process Speed 102.711 mm/s)	0	-50	50	Adjusts the Invert In Gate Motor switching operation timing. (Process Speed 102.711 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-50 ms.	1 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-393	Invert In Gate Motor Stop Pulse Number_Initialize/Exit	4	0	20	The stop pulse number of Invert In Gate Motor (Initialize/Exit side). 1 count = 1 pulse and adjustment can be made in the range of 0 to 20 pulses.	1 pulse	O	O
742-394	Invert In Gate Motor Stop Pulse Number_Invert	4	0	20	The stop pulse number of Invert In Gate Motor (Invert side). 1 count = 1 pulse and adjustment can be made in the range of 0 to 20 pulses.	1 pulse	O	O
742-395	Invert In Gate Motor Excitation Current Value Switch Timing (Initiarize/Exit Direction)	0	-5	5	Adjusts the Invert In Gate Motor current value switch timing (in Initialize/Exit direction). 1 count = 10 ms and adjustment can be made in the range of +/-50 ms.	10 ms	O	O
742-396	Invert In Gate Motor Excitation Current Value Switch Timing (Invert Direction)	0	-5	5	Adjusts the Invert In Gate Motor current value switch timing (in Invert direction). 1 count = 10 ms and adjustment can be made in the range of +/-50 ms.	10 ms	O	O
742-398	Exit Deceleration Timing (Invert)	0	-5	5	Adjusts the Exit Deceleration Timing (Invert). 1 count = 10 ms and adjustment can be made in the range of +/-50 ms.	10 ms	O	O
742-399	Invert Motor Startup Timing Simplex (Process Speed 308.133 mm/s)	0	-3	20	Adjusts the Invert Motor Startup Timing: Simplex. (Process Speed 308.133 mm/s). 1 count = 1 ms and adjustment can be made in the range of -3 to +20 ms.	1 ms	O	O
742-400	Invert Motor Startup Timing Simplex (Process Speed 224.528 mm/s)	0	-20	20	Adjusts the Invert Motor Startup Timing: Simplex. (Process Speed 224.528 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-401	Invert Motor Startup Timing Simplex (Process Speed 154.066 mm/s)	0	-20	20	Adjusts the Invert Motor Startup Timing: Simplex. (Process Speed 154.066 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-402	Invert Motor Startup Timing Simplex (Process Speed 102.711 mm/s)	0	-20	20	Adjusts the Invert Motor Startup Timing: Simplex. (Process Speed 102.711 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-403	Invert Motor Startup Timing Duplex (Process Speed 308.133 mm/s)	0	-3	20	Adjusts the Invert Motor Startup Timing: Duplex. (Process Speed 308.133 mm/s). 1 count = 1 ms and adjustment can be made in the range of -3 to +20 ms.	1 ms	O	O
742-404	Invert Motor Startup Timing Duplex (Process Speed 224.528 mm/s)	0	-20	20	Adjusts the Invert Motor Startup Timing: Duplex. (Process Speed 224.528 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-405	Invert Motor Startup Timing Duplex (Process Speed 154.066 mm/s)	0	-20	20	Adjusts the Invert Motor Startup Timing: Duplex. (Process Speed 154.066 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-406	Invert Motor Startup Timing Duplex (Process Speed 102.711 mm/s)	0	-20	20	Adjusts the Invert Motor Startup Timing: Duplex. (Process Speed 102.711 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-407	Invert Acceleration Timing (Process Speed 308.133 mm/s)	0	-20	20	Adjusts the Invert Acceleration Timing. (Other than Tab Stock) (Process Speed 308.133 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-408	Invert Acceleration Timing (Process Speed 224.528 mm/s)	0	-20	20	Adjusts the Invert Acceleration Timing. (Other than Tab Stock) (Process Speed 224.528 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-409	Invert Acceleration Timing (Process Speed 154.066 mm/s)	0	-20	20	Adjusts the Invert Acceleration Timing. (Other than Tab Stock) (Process Speed 154.066 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-410	Invert Acceleration Timing (Process Speed 102.711 mm/s)	0	-20	20	Adjusts the Invert Acceleration Timing. (Other than Tab Stock) (Process Speed 102.711 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-412	Invert Acceleration Timing (Tab Stock) (Process Speed 308.133 mm/s)	0	-20	20	Adjusts the Invert Acceleration Timing. (Tab Stock) (Process Speed 308.133 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-413	Invert Acceleration Timing (Tab Stock) (Process Speed 224.528 mm/s)	0	-20	20	Adjusts the Invert Acceleration Timing. (Tab Stock) (Process Speed 224.528 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-414	Invert Acceleration Timing (Tab Stock) (Process Speed 154.066 mm/s)	0	-20	20	Adjusts the Invert Acceleration Timing. (Tab Stock) (Process Speed 154.066 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-415	Invert Acceleration Timing (Tab Stock) (Process Speed 102.711 mm/s)	0	-20	20	Adjusts the Invert Acceleration Timing. (Tab Stock) (Process Speed 102.711 mm/s). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-417	Invert Pull-In Stop Timing (Simplex)	0	-20	20	Adjusts the Invert Pull-In stop timing (Simplex). (Other than Tab Stock, and Tab Stock with Tab size smaller than 7 mm) 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-418	Invert Pull-In Stop Timing (Tab Stock) (Simplex)	0	-20	20	Adjusts the Invert Pull-In stop timing (Simplex). (Tab Stock, Tab Stock with Tab size of 7 mm or larger) 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-419	Invert Pull-In Stop Timing (Duplex)	0	-20	20	Adjusts the Invert Pull-In stop timing (Duplex). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-420	Invert Output Start Timing (Simplex)	0	-20	20	Adjusts the Invert output start timing (Simplex). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-421	Invert Output Start Timing (Duplex)	0	-20	20	Adjusts the Invert output start timing (Duplex). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-422	Invert Motor Stop Timing using Subsequent Paper (Simplex)	0	-20	20	Adjusts the Invert Motor stop timing using subsequent paper (Simplex). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-423	Invert Motor Stop Timing using Subsequent Paper (Duplex)	0	-20	20	Adjusts the Invert Motor stop timing using subsequent paper (Duplex). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-424	Invert Roll Release Timing using Subsequent Paper (Simplex)	0	-20	20	Adjusts the Invert Roll release timing using subsequent paper (Simplex). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-425	Invert Roll Release Timing using Subsequent Paper (Duplex)	0	-20	20	Adjusts the Invert Roll release timing using subsequent paper (Duplex). 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-426	Invert Roll Release Stop Timing	0	-20	20	Adjusts the Invert Roll Release stop timing. 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-427	Invert Roll Nip Stop Timing	0	-20	20	Adjusts the Invert Roll Nip stop timing. 1 count = 1 ms and adjustment can be made in the range of +/-20 ms.	1 ms	O	O
742-428	Duplex Feed Start Timing	0	-5	5	Adjusts the Duplex Motor 1 feed start timing. 1 count = 10 ms and adjustment can be made in the range of +/-50 ms.	10 ms	O	O
742-429	Duplex Motor Step Down Start Timing	0	0	10	Adjusts the Duplex Motor Step Down start timing at the Duplex Path paper detection operation. 1 count = 10 ms and adjustment can be made in the range of 0 to 100 ms.	10 ms	O	O
742-431	Exit Motor Current Value Duty (Weak Current)	14	0	100	Adjusts the current value (weak current) of the Exit Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-432	Exit Motor Current Value Duty (Medium Current)	29	0	100	Adjusts the current value (medium current) of the Exit Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-433	Exit Motor Current Value Duty (Strong Current)	48	0	100	Adjusts the current value (strong current) of the Exit Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-434	Invert In Motor Current Value Duty (Weak Current)	14	0	100	Adjusts the current value (weak current) of the Invert In Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-435	Invert In Motor Current Value Duty (Medium Current)	29	0	100	Adjusts the current value (medium current) of the Invert In Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-436	Invert In Motor Current Value Duty (Strong Current)	48	0	100	Adjusts the current value (strong current) of the Invert In Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-437	Invert Motor Current Value Duty (Weak Current)	14	0	100	Adjusts the current value (weak current) of the Invert Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-438	Invert Motor Current Value Duty (Medium Current)	29	0	100	Adjusts the current value (medium current) of the Invert Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-439	Invert Motor Current Value Duty (Strong Current)	48	0	100	Adjusts the current value (strong current) of the Invert Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-440	Invert N/R Motor Current Value Duty (Weak Current)	14	0	100	Adjusts the current value (weak current) of the Invert N/R Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-441	Invert N/R Motor Current Value Duty (Medium Current)	38	0	100	Adjusts the current value (medium current) of the Invert N/R Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-442	Invert N/R Motor Current Value Duty (Strong Current)	58	0	100	Adjusts the current value (strong current) of the Invert N/R Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-443	Duplex Motor Current Value Duty (Weak Current)	48	0	100	Adjusts the current value (weak current) of the Duplex Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-444	Duplex Motor Current Value Duty (Medium Current)	48	0	100	Adjusts the current value (medium current) of the Duplex Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-445	Duplex Motor Current Value Duty (Strong Current)	70	0	100	Adjusts the current value (strong current) of the Duplex Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-446	Invert In Gate Motor Current Value Duty (Weak Current)	30	0	100	Adjusts the current value (weak current) of the Invert In Gate Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-447	Invert In Gate Motor Current Value Duty (Medium Current)	0	0	100	Adjusts the current value (medium current) of the Invert In Gate Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%. * The Invert In Gate Motor Current Value Duty (Medium Current) is not in use.	1%	O	O
742-448	Invert In Gate Motor Current Value Duty (Strong Current)	40	0	100	Adjusts the current value (strong current) of the Invert In Gate Motor. 1 count = 1% and adjustment can be made in the range of 0 to 100%	1%	O	O
742-457	Target Dynamic Range	50	30	255	Target Voltage for Brightness Adjustment (Unit: 0.01V)	0.01V	O	O
742-460	LED Setting Current Value	0	0	255	LED Setting Current Value (Unit: 0.4 mA)	0.4 mA	O	O
742-461	LED Powered Current Value	0	0	255	The currently set LED Drive Current Value (Unit: 0.4 mA)	0.4 mA	O	O
742-462	White Reference Threshold Value for Brightness Correction	30	0	255	The invalid white reference data threshold value for brightness correction_Minimum Black Reference		O	O
742-463	White Reference Threshold Value for Shading Correction	20	0	255	The invalid white reference data threshold value for shading correction_Minimum Value		O	O
742-465	Gain Adjustment Value	0	0	255	Gain Adjustment Value		O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-466	Power Adjustment Attempts	0	0	65535	The number of times to perform the brightness adjustment after replacing the sensor (Unit: 1 time)	1 time	O	O
742-468	AFE Clamp Voltage Setting Value	0	0	255	AFE Clamp Voltage Setting Value		O	O
742-470	AFE Offset Adjustment Value	0	0	255	AFE Offset Voltage Setting Value		O	O
742-472	Area Detection Correction Value	0	-128	127	The offset for the Area Detection Value_Fine adjustment of permissible value		O	O
742-473	CAP Timing Adjustment	11	0	255	Adjusts the Edge Data Acquisition Timing (Unit: 0.5 ms).	0.5 ms	O	O
742-475	CIS 1st Pixel Position	16893	10000	65535	The distance from the center position to the CIS 1st pixel (Unit: 0.01 mm)	0.01 mm	O	O
742-476	CIS Assembly Deviation	0	-32768	32767	The correction value for the assembly deviation of the CIS position (Unit: 0.001 mm)	0.01 mm	O	O
742-483	Edge Detection Range	255	32	255	Edge Detection Range (1 dot@300 dpi)		O	O
742-484	Edge Detection Area Left Edge Permissible Value	94	0	255	The threshold value corresponding to the detected density at the left edge of the detection area.		O	O
742-485	Edge Detection Area Right Edge Permissible Value	128	0	255	The threshold value corresponding to the detected density at the right edge of the detection area.		O	O
742-487	Recommended Shading Renewal Frequency	500000	0	100000000	Recommended Shading Renewal Frequency. * When '0' is set, the PH CIS Shading Recommend detection will not be performed.		O	O
742-488	Edge Fail Occurrence Condition Upper Limit	3	1	255	When Edge Fail has occurred up to the number of times set here, it will be treated as Local Fail (Unit: 1 time)		O	O
742-489	Communication Fail Retry Attempts (During Edge Detection)	1	1	32	The no. of times to retry communicating during edge detection.		O	O
742-490	Communication Fail Retry Attempts (During other than Edge Detection)	3	1	32	The no. of times to retry communicating during other than edge detection.		O	O
742-491	CIS Communication Fail Data	0	0	65535	CIS Communication Fail Data (Status Register Data of FPGA-Hanuman) bit 0: Slave CheckSum Error (0: OK, 1: NG), bit 1: Slave Instruction Error (0: OK, 1: NG), bit 2 to bit 7: Not Used, bit 8: IF Status (0: Complete, 1: Running), bit 9: Master CheckSum Error (0: OK, 1: NG), bit 10: Master Instruction Error (0: OK, 1: NG), bit 11 to bit 14: Not Used, bit 15: Error Data (0: Error has not occurred, 1: Error has occurred)		O	X
742-492	CIS Fail Occurrence Data	0	0	255	CIS-related Fail occurrence data (0: Has not occurred, 1: Has occurred) 0 bit: Data on whether CIS Dark Level Error has/has not occurred 1 bit: Data on whether CIS White Level Error has/has not occurred 2 bit: Data on whether LED Power Control Fail has/has not occurred 3 bit: Data on whether CIS Shading Data Fail has/has not occurred 4 bit: Data on whether CIS FPGA Fail has/has not occurred 5 bit: Data on whether CIS Comm Fail has/has not occurred 6 bit: Data on whether CIS Side Edge Detect Fail has/has not occurred 7 bit: Data on whether CIS Shading Recommend has/has not occurred		O	X
742-494	Average Edge Final Storage Position Data	-	0	63	Average Edge Final Storage Position Data		X	X

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-495	Average Edge Data [0]	0	0	65535	0th average edge data (Paper No. 0, Side 1, Paper Lead Edge) The following data is stored in this NVM: 0 to 32767: Edge data (during normal detection), 32768 onwards: CIS Side Edge Out of Range Fail (edge data in the 32768 + 1st line), 65531: Edge detection not performed, 65532: CIS FPGA Fail, 65533: CIS Side Edge Detect A Fail, 65534: CIS Side Edge Detect B Fail, 65535: CIS Side Edge Detect C Fail		O	X
742-496	Average Edge Data [1]	0	0	65535	1st average edge data (Paper No. 0, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-497	Average Edge Data [2]	0	0	65535	2nd average edge data (Paper No. 0, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-498	Average Edge Data [3]	0	0	65535	3rd average edge data (Paper No. 0, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-499	Average Edge Data [4]	0	0	65535	4th average edge data (Paper No. 1, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-500	Average Edge Data [5]	0	0	65535	5th average edge data (Paper No. 1, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-501	Average Edge Data [6]	0	0	65535	6th average edge data (Paper No. 1, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-502	Average Edge Data [7]	0	0	65535	7th average edge data (Paper No. 1, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-503	Average Edge Data [8]	0	0	65535	8th average edge data (Paper No. 2, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-504	Average Edge Data [9]	0	0	65535	9th average edge data (Paper No. 2, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-505	Average Edge Data [10]	0	0	65535	10th average edge data (Paper No. 2, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-506	Average Edge Data [11]	0	0	65535	11th average edge data (Paper No. 2, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-507	Average Edge Data [12]	0	0	65535	12th average edge data (Paper No. 3, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-508	Average Edge Data [13]	0	0	65535	13th average edge data (Paper No. 3, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-509	Average Edge Data [14]	0	0	65535	14th average edge data (Paper No. 3, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-510	Average Edge Data [15]	0	0	65535	15th average edge data (Paper No. 3, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-511	Average Edge Data [16]	0	0	65535	16th average edge data (Paper No. 4, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-512	Average Edge Data [17]	0	0	65535	17th average edge data (Paper No. 4, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-513	Average Edge Data [18]	0	0	65535	18th average edge data (Paper No. 4, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-514	Average Edge Data [19]	0	0	65535	19th average edge data (Paper No. 4, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-515	Average Edge Data [20]	0	0	65535	20th average edge data (Paper No. 5, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-516	Average Edge Data [21]	0	0	65535	21st average edge data (Paper No. 5, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-517	Average Edge Data [22]	0	0	65535	22nd average edge data (Paper No. 5, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-518	Average Edge Data [23]	0	0	65535	23rd average edge data (Paper No. 5, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-519	Average Edge Data [24]	0	0	65535	24th average edge data (Paper No. 6, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-520	Average Edge Data [25]	0	0	65535	25th average edge data (Paper No. 6, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-521	Average Edge Data [26]	0	0	65535	26th average edge data (Paper No. 6, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-522	Average Edge Data [27]	0	0	65535	27th average edge data (Paper No. 6, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-523	Average Edge Data [28]	0	0	65535	28th average edge data (Paper No. 7, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-524	Average Edge Data [29]	0	0	65535	29th average edge data (Paper No. 7, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-525	Average Edge Data [30]	0	0	65535	30th average edge data (Paper No. 7, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-526	Average Edge Data [31]	0	0	65535	31st average edge data (Paper No. 7, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-527	Average Edge Data [32]	0	0	65535	32nd average edge data (Paper No. 8, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-528	Average Edge Data [33]	0	0	65535	33rd average edge data (Paper No. 8, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-529	Average Edge Data [34]	0	0	65535	34th average edge data (Paper No. 8, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-530	Average Edge Data [35]	0	0	65535	35th average edge data (Paper No. 8, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-531	Average Edge Data [36]	0	0	65535	36th average edge data (Paper No. 9, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-532	Average Edge Data [37]	0	0	65535	37th average edge data (Paper No. 9, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-533	Average Edge Data [38]	0	0	65535	38th average edge data (Paper No. 9, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-534	Average Edge Data [39]	0	0	65535	39th average edge data (Paper No. 9, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-535	Average Edge Data [40]	0	0	65535	40th average edge data (Paper No. 10, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-536	Average Edge Data [41]	0	0	65535	41st average edge data (Paper No. 10, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-537	Average Edge Data [42]	0	0	65535	42nd average edge data (Paper No. 10, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-538	Average Edge Data [43]	0	0	65535	43rd average edge data (Paper No. 10, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-539	Average Edge Data [44]	0	0	65535	44th average edge data (Paper No. 11, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-540	Average Edge Data [45]	0	0	65535	45th average edge data (Paper No. 11, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-541	Average Edge Data [46]	0	0	65535	46th average edge data (Paper No. 11, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-542	Average Edge Data [47]	0	0	65535	47th average edge data (Paper No. 11, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-543	Average Edge Data [48]	0	0	65535	48th average edge data (Paper No. 12, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-544	Average Edge Data [49]	0	0	65535	49th average edge data (Paper No. 12, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-545	Average Edge Data [50]	0	0	65535	50th average edge data (Paper No. 12, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-546	Average Edge Data [51]	0	0	65535	51st average edge data (Paper No. 12, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-547	Average Edge Data [52]	0	0	65535	52nd average edge data (Paper No. 13, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-548	Average Edge Data [53]	0	0	65535	53rd average edge data (Paper No. 13, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-549	Average Edge Data [54]	0	0	65535	54th average edge data (Paper No. 13, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-550	Average Edge Data [55]	0	0	65535	55th average edge data (Paper No. 13, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-551	Average Edge Data [56]	0	0	65535	56th average edge data (Paper No. 14, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-552	Average Edge Data [57]	0	0	65535	57th average edge data (Paper No. 14, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-553	Average Edge Data [58]	0	0	65535	58th average edge data (Paper No. 14, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-554	Average Edge Data [59]	0	0	65535	59th average edge data (Paper No. 14, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-555	Average Edge Data [60]	0	0	65535	60th average edge data (Paper No. 15, Side 1, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-556	Average Edge Data [61]	0	0	65535	61st average edge data (Paper No. 15, Side 1, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-557	Average Edge Data [62]	0	0	65535	62nd average edge data (Paper No. 15, Side 2, Paper Lead Edge); Data contents is the same as 742-495.		O	X
742-558	Average Edge Data [63]	0	0	65535	63rd average edge data (Paper No. 15, Side 2, Paper Tail Edge); Data contents is the same as 742-495.		O	X
742-559	Paper Load Reference Value	15	0	255	The paper placement improper loading during setup.		O	O
742-643	Edge Reference Position Correction Value	0	-1000	1000	The correction for the deviation amount from the reference position between the ROC and the CIS. ([-] settings value: towards the front, [+] settings value: towards the rear)		O	O
742-644	Side Edge Detection Timing (Process Speed 308 mm/s)	33	0	80	Adjusts the paper Side Edge detection timing at the Side Line Regi Sensor. (Process Speed 308 mm/s). 1 count = 1 ms. With nominal = 33, adjustment can be made in the range of 0 to 80.	1 ms	O	O
742-645	Side Edge Detection Timing (Process Speed 224 mm/s)	38	0	80	Adjusts the paper Side Edge detection timing at the Side Line Regi Sensor. (Process Speed 224 mm/s). 1 count = 1 ms. With nominal = 38, adjustment can be made in the range of 0 to 80.	1 ms	O	O
742-646	Side Edge Detection Timing (Process Speed 154 mm/s)	38	0	80	Adjusts the paper Side Edge detection timing at the Side Line Regi Sensor. (Process Speed 224 mm/s). 1 count = 1 ms. With nominal = 38, adjustment can be made in the range of 0 to 80.	1 ms	O	O
742-647	Side Edge Detection Timing (Process Speed 102 mm/s)	38	0	80	Adjusts the paper Side Edge detection timing at the Side Line Regi Sensor. (Process Speed 224 mm/s). 1 count = 1 ms. With nominal = 38, adjustment can be made in the range of 0 to 80.	1 ms	O	O
742-648	Reference Position Deviation Amount (MSI, HCF MSI) (Side 1)	0	-300	300	The deviation of the Side Regi Line Sensor (with the Side Regi misalignment correction prohibited) from the paper edge pass position (ideal edge position) (MSI, HCF MSI) (Side 1). 1 count = 0.01 mm _ With 0 = 0.00 mm, adjustment can be made in the range of +/-3.00 mm. (+: towards the rear, -: towards the front)	0.01 mm	O	O
742-649	Reference Position Deviation Amount (MSI, HCF MSI) (Side 2)	0	-300	300	The deviation of the Side Regi Line Sensor (with the Side Regi misalignment correction prohibited) from the paper edge pass position (ideal edge position) (MSI, HCF MSI) (Side 2). 1 count = 0.01 mm _ With 0 = 0.00 mm, adjustment can be made in the range of +/-3.00 mm. (+: towards the rear, -: towards the front)	0.01 mm	O	O
742-650	Reference Position Deviation Amount (Tray 1) (Side 1)	0	-300	300	The deviation of the Side Regi Line Sensor (with the Side Regi misalignment correction prohibited) from the paper edge pass position (ideal edge position) (Tray 1) (Side 1). 1 count = 0.01 mm _ With 0 = 0.00 mm, adjustment can be made in the range of +/-3.00 mm. (+: towards the rear, -: towards the front)	0.01 mm	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-651	Reference Position Deviation Amount (Tray 1) (Side 2)	0	-300	300	The deviation of the Side Regi Line Sensor (with the Side Regi misalignment correction prohibited) from the paper edge pass position (ideal edge position) (Tray 1) (Side 2). 1 count = 0.01 mm _ With 0 = 0.00 mm, adjustment can be made in the range of +/-3.00 mm. (+: towards the rear, -: towards the front)	0.01 mm	O	O
742-652	Reference Position Deviation Amount (Tray 2) (Side 1)	0	-300	300	The deviation of the Side Regi Line Sensor (with the Side Regi misalignment correction prohibited) from the paper edge pass position (ideal edge position) (Tray 2) (Side 1). 1 count = 0.01 mm _ With 0 = 0.00 mm, adjustment can be made in the range of +/-3.00 mm. (+: towards the rear, -: towards the front)	0.01 mm	O	O
742-653	Reference Position Deviation Amount (Tray 2) (Side 2)	0	-300	300	The deviation of the Side Regi Line Sensor (with the Side Regi misalignment correction prohibited) from the paper edge pass position (ideal edge position) (Tray 2) (Side 2). 1 count = 0.01 mm _ With 0 = 0.00 mm, adjustment can be made in the range of +/-3.00 mm. (+: towards the rear, -: towards the front)	0.01 mm	O	O
742-654	Reference Position Deviation Amount (Tray 3) (Side 1)	0	-300	300	The deviation of the Side Regi Line Sensor (with the Side Regi misalignment correction prohibited) from the paper edge pass position (ideal edge position) (Tray 3) (Side 1). 1 count = 0.01 mm _ With 0 = 0.00 mm, adjustment can be made in the range of +/-3.00 mm. (+: towards the rear, -: towards the front)	0.01 mm	O	O
742-655	Reference Position Deviation Amount (Tray 3) (Side 2)	0	-300	300	The deviation of the Side Regi Line Sensor (with the Side Regi misalignment correction prohibited) from the paper edge pass position (ideal edge position) (Tray 3) (Side 2). 1 count = 0.01 mm _ With 0 = 0.00 mm, adjustment can be made in the range of +/-3.00 mm. (+: towards the rear, -: towards the front)	0.01 mm	O	O
742-666	Side Shift Operation Settings (MSI, HCF-MSI)	0	0	3	Sets the Side Shift operation (MSI, HCF-MSI) 0: Oscillation and feed deviation correction, 1: Oscillation, 2: Feed deviation correction, 3: Prohibit		O	O
742-667	Side Shift Operation Settings (Tray 1)	0	0	3	Sets the Side Shift Operation (Tray 1). 0: Oscillation and feed deviation correction, 1: Oscillation, 2: Feed deviation correction, 3: Prohibit		O	O
742-668	Side Shift Operation Settings (Tray 2)	0	0	3	Sets the Side Shift Operation (Tray 2). 0: Oscillation and feed deviation correction, 1: Oscillation, 2: Feed deviation correction, 3: Prohibit		O	O
742-669	Side Shift Operation Settings (Tray 3)	0	0	3	Sets the Side Shift Operation (Tray 3). 0: Oscillation and feed deviation correction, 1: Oscillation, 2: Feed deviation correction, 3: Prohibit		O	O
742-691	Lead Regi Adjustment (Transparency & Tack Film)	0	-30	30	Adjusts the Regi Motor deceleration timing. (Transparency, Tack Film). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-695	Transport Motor Process Speed Adjustment (Process Speed 154 mm/s) (MSI, HCF-MSI)	28	0	40	Fine adjusts the Process Speed of the Transport Motor. (154 mm/s) (MSI, HCF-MSI). 1 count = 3 pps. With 20 = 1536 pps, adjustment can be made in the range of +/-20 pps.	3 pps	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-697	Smear Countermeasure Timing Switch	0	0	2	Sets the start timing logic for the [Roll Return Operation] of [Side Registration Operation] and the [Regi Release Operation] of [Regi Nip/Release Operation] when the process speed is 154 mm/s and the paper feed length is longer than the threshold value. 0: Normal Timing, 1: Smear Countermeasure Timing (MSI Path only), 2: Smear Countermeasure Timing (both MSI/TA Path)		O	O
742-698	Smear Countermeasure Timing Paper Feed Length Threshold Value	50	0	100	The target value that triggers the start timing logic switch for the [Roll Return Operation] of [Side Registration Operation] and the [Regi Release Operation] of [Regi Nip/Release Operation] when the process speed is 154 mm/s. When the Paper Feed Length is longer than the Threshold Value, the logic will be switched and it will operate according to the logic setting of the adjustment NVM. 1 count = 1 mm. With 50 = 280 mm, adjustment can be made in the range of +/-5 0 mm.	1 mm	O	O
742-699	Roll Return Operation Start Timing (Smear Countermeasure Timing)	15	15	51	Adjusts the start timing of the Roll Return Operation (Smear Countermeasure Timing). 1 count = 10 ms. With 150 = 150 ms, adjustment can be made in the range of 150 to 510 ms.	10 ms	O	O
742-700	Regi Release Operation Start Timing (Smear Countermeasure Timing)	0	0	36	Adjusts the start timing of the Regi Release Operation (Smear Countermeasure Timing). 1 count = 10 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 360 ms.	10 ms	O	O
742-702	Shift Amount Adjustment Switch	0	0	1	A switch that enables/disables the Side Shift amount correction function. 0: Disabled, 1: Enabled		O	O
742-704	Side Shift Amount Adjustment Execution Switch	0	0	1	A switch that enables/disables the amount adjustment (apply coefficient) for Side Shift operation. 0: Disabled, 1: Enabled		O	O
742-708	Side Shift Rear Direction Amount Adjustment Coefficient (Tray 1 Feed)	100	100	150	The amount adjustment coefficient for Side Shift operation towards the rear when the Feed Tray is Tray 1. 1 count = 0.01. With 100 = 1.00, adjustment can be made in the range of 1.00 to 1.50.	0.01	O	O
742-709	Side Shift Rear Direction Amount Adjustment Coefficient (Tray 2 Feed)	100	100	150	The amount adjustment coefficient for Side Shift operation towards the rear when the Feed Tray is Tray 2. 1 count = 0.01. With 100 = 1.00, adjustment can be made in the range of 1.00 to 1.50.	0.01	O	O
742-710	Side Shift Rear Direction Amount Adjustment Coefficient (Tray 3 Feed)	100	100	150	The amount adjustment coefficient for Side Shift operation towards the rear when the Feed Tray is Tray 3. 1 count = 0.01. With 100 = 1.00, adjustment can be made in the range of 1.00 to 1.50.	0.01	O	O
742-712	Side Shift Front Direction Amount Adjustment Coefficient (Tray 1 Feed)	110	100	150	The amount adjustment coefficient for Side Shift operation towards the front when the Feed Tray is Tray 1. 1 count = 0.01. With 110 = 1.10, adjustment can be made in the range of 1.00 to 1.50.	0.01	O	O
742-713	Side Shift Front Direction Amount Adjustment Coefficient (Tray 2 Feed)	110	100	150	The amount adjustment coefficient for Side Shift operation towards the front when the Feed Tray is Tray 2. 1 count = 0.01. With 110 = 1.10, adjustment can be made in the range of 1.00 to 1.50.	0.01	O	O
742-714	Side Shift Front Direction Amount Adjustment Coefficient (Tray 3 Feed)	110	100	150	The amount adjustment coefficient for Side Shift operation towards the front when the Feed Tray is Tray 3. 1 count = 0.01. With 110 = 1.10, adjustment can be made in the range of 1.00 to 1.50.	0.01	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-716	Regi Assist Start Timing (Envelope/TA & MSI Path)	0	0	50	Adjusts the Transport Motor/Pre Regi Motor Operation Start Timing in Registration Control. (Envelope/TA & MSI Path). 1 count = 1 ms. With 0 = 0 ms, adjustment can be made in the range of 0 to 50 ms.	1 ms	O	O
742-717	Lead Regi Adjustment (Envelope)	0	-30	30	Adjusts the Regi Motor deceleration timing. (Envelope). 1 count = 0.1 mm. With 0 = 0.0 mm, adjustment can be made in the range of +/-3 mm. (+: Increases the margin at Lead, -: Reduces the margin at Lead)	0.1 mm	O	O
742-719	Loop Amount Adjustment (Envelope/TA & MSI Path)	12	0	60	Adjusts the loop amount (Pre Registration Stop Timing). (Envelope/TA & MSI Path). 1 count = 1 ms. With 30 = 81 ms, adjustment can be made in the range of +/-30 ms.	1 ms	O	O
742-727	OCT Paper Tail Edge Smear Countermeasure Execution ALL	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (ALL) 0: Not performed (OCT Paper Tail Edge Smear Countermeasure individual setting is disabled) 1: Perform (OCT Paper Tail Edge Smear Countermeasure individual setting is enabled)		O	O
742-728	OCT Paper Tail Edge Smear Countermeasure Execution (Process Speed 224 mm/s, Weight 176 gsm or lighter, Paper Feed Length 216.0 mm or shorter)	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (Process Speed 224 mm/s, Weight 176 gsm or lighter, Paper Feed Length 216.0 mm or shorter) 0: Not performed, 1: Perform		O	O
742-729	OCT Paper Tail Edge Smear Countermeasure Execution (Process Speed 224 mm/s, Weight 176 gsm or lighter, Paper Feed Length 216.1 mm or longer)	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (Process Speed 224 mm/s, Weight 176 gsm or lighter, Paper Feed Length 216.1 mm or longer) 0: Not performed, 1: Perform		O	O
742-730	OCT Paper Tail Edge Smear Countermeasure Execution (Process Speed 154 mm/s, Weight 176 gsm or lighter, Paper Feed Length 216.0 mm or shorter)	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (Process Speed 154 mm/s, Weight 176 gsm or lighter, Paper Feed Length 216.0 mm or shorter) 0: Not performed, 1: Perform		O	O
742-731	OCT Paper Tail Edge Smear Countermeasure Execution (Process Speed 154 mm/s, Weight 176 gsm or lighter, Paper Feed Length 216.1 mm or longer)	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (Process Speed 154 mm/s, Weight 176 gsm or lighter, Paper Feed Length 216.1 mm or longer) 0: Not performed, 1: Perform		O	O
742-732	OCT Paper Tail Edge Smear Countermeasure Execution (Process Speed 102 mm/s, Weight 176 gsm or lighter, Paper Feed Length 216.0 mm or shorter)	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (Process Speed 102 mm/s, Weight 176 gsm or lighter, Paper Feed Length 216.0 mm or shorter) 0: Not performed, 1: Perform		O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
742-733	OCT Paper Tail Edge Smear Countermeasure Execution (Process Speed 102 mm/s, Weight 176 gsm or lighter, Paper Feed Length 216.1 mm or longer)	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (Process Speed 102 mm/s, Weight 176 gsm or lighter, Paper Feed Length 216.1 mm or longer) 0: Not performed, 1: Perform		O	O
742-734	OCT Paper Tail Edge Smear Countermeasure Execution (Process Speed 224 mm/s, Weight 177 gsm or heavier, Paper Feed Length 216.0 mm or shorter)	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (Process Speed 224 mm/s, Weight 177 gsm or heavier, Paper Feed Length 216.0 mm or shorter) 0: Not performed, 1: Perform		O	O
742-735	OCT Paper Tail Edge Smear Countermeasure Execution (Process Speed 224 mm/s, Weight 177 gsm or heavier, Paper Feed Length 216.1 mm or longer)	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (Process Speed 224 mm/s, Weight 177 gsm or heavier, Paper Feed Length 216.1 mm or longer) 0: Not performed, 1: Perform		O	O
742-736	OCT Paper Tail Edge Smear Countermeasure Execution (Process Speed 154 mm/s, Weight 177 gsm or heavier, Paper Feed Length 216.0 mm or shorter)	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (Process Speed 154 mm/s, Weight 177 gsm or heavier, Paper Feed Length 216.0 mm or shorter) 0: Not performed, 1: Perform		O	O
742-737	OCT Paper Tail Edge Smear Countermeasure Execution (Process Speed 154 mm/s, Weight 177 gsm or heavier, Paper Feed Length 216.1 mm or longer)	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (Process Speed 154 mm/s, Weight 177 gsm or heavier, Paper Feed Length 216.1 mm or longer) 0: Not performed, 1: Perform		O	O
742-738	OCT Paper Tail Edge Smear Countermeasure Execution (Process Speed 102 mm/s, Weight 177 gsm or heavier, Paper Feed Length 216.0 mm or shorter)	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (Process Speed 102 mm/s, Weight 177 gsm or heavier, Paper Feed Length 216.0 mm or shorter) 0: Not performed, 1: Perform		O	O
742-739	OCT Paper Tail Edge Smear Countermeasure Execution (Process Speed 102 mm/s, Weight 177 gsm or heavier, Paper Feed Length 216.1 mm or longer)	0	0	1	Determines whether to perform the OCT Paper Tail Edge Smear Countermeasure operation. (Process Speed 102 mm/s, Weight 177 gsm or heavier, Paper Feed Length 216.1 mm or longer) 0: Not performed, 1: Perform		O	O
743-221	MSI Nudger Solenoid OFF Timing (Transparency) (216 mm < Paper Feed Length <= 298 mm)	137	41	167	Adjusts the MSI Nudger Solenoid OFF Timing (Transparency) (216 mm < Paper Feed Length <= 298 mm). 1 count = 10 ms.	10 ms	O	O
743-222	MSI Nudger Solenoid OFF Timing (Transparency) (298< Paper Feed Length <= 365 mm)	159	41	197	Adjusts the MSI Nudger Solenoid OFF Timing (Transparency) (298 mm < Paper Feed Length <= 365 mm). 1 count = 10 ms.	10 ms	O	O

Table 1 NVM 742, 743 Paper Handling List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
743-223	MSI Nudger Solenoid OFF Timing (Transparency) (365< Paper Feed Length <= 432 mm)	182	41	228	Adjusts the MSI Nudger Solenoid OFF Timing (Transparency) (365 mm < Paper Feed Length <= 432 mm). 1 count = 10 ms.	10 ms	O	O

6.3.18 NVM 744, 745, 765, 997 Fusing Unit List

Table 1 NVM 744, 745, 765, 997 Fusing Unit List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
744-004	Fusing Unit Type Information for Individual Handling	-	1	8	Type information of individually handled Fusing Unit 1: Standard Fusing Unit, 2: Thick Paper Fusing Unit, 3: Envelope Wrinkle Handling Fusing Unit, 4: Reserved, 5: Reserved, 6: Reserved, 7: Reserved, 8: Wireless Fusing Unit		X	X
744-576	Half Latch Detection Delay Coefficient	100	70	130	Half Latch Detection Delay Coefficient. Corrects all of the Latch Detection Delays for Paper Types that are targeted for Half Latch.		O	O
744-581	Half Latch Detection Delay Time (SQ Heavyweight B)	0	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-582	Half Latch Detection Delay Time (SQ Extra Heavyweight A/B)	37	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-583	Half Latch Detection Delay Time (SQ Extra Heavyweight C/D)	46	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-584	Half Latch Detection Delay Time (SQ Extra Heavyweight E)	42	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-586	Half Latch Detection Delay Time (SQ Coated 1B1)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-587	Half Latch Detection Delay Time (SQ Coated 1B2)	25	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-588	Half Latch Detection Delay Time (SQ Coated 2A)	43	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-589	Half Latch Detection Delay Time (SQ Coated 2B/2C)	46	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-596	Half Latch Detection Delay Time (HQ Heavyweight B)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-597	Half Latch Detection Delay Time (HQ Extra Heavyweight A/B)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-598	Half Latch Detection Delay Time (HQ Extra Heavyweight C/D)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-600	Half Latch Detection Delay Time (HQ Coated 1B1)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-601	Half Latch Detection Delay Time (HQ Coated 1B2)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-602	Half Latch Detection Delay Time (HQ Coated 2A)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-603	Half Latch Detection Delay Time (HQ Coated 2B/2C)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-605	Half Latch Detection Delay Time (HW_F Extra Heavyweight A/B)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O

Table 1 NVM 744, 745, 765, 997 Fusing Unit List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
744-606	Half Latch Detection Delay Time (HW_F Extra Heavyweight C/D)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-608	Half Latch Detection Delay Time (HW_F Coated 2A)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-609	Half Latch Detection Delay Time (HW_F Coated 2B/2C)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON _ 1 count = 10 [ms]	10 [ms]	O	O
744-611	Half Latch Detection Delay Time (Extra Heavyweight A/B ASRS Mode)	31	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON in ASRS Mode _ 1 count = 10 [ms]	10 [ms]	O	O
744-612	Half Latch Detection Delay Time (Extra Heavyweight C ASRS Mode)	31	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON in ASRS Mode _ 1 count = 10 [ms]	10 [ms]	O	O
744-613	Half Latch Detection Delay Time (Coated 1A ASRS Mode)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON in ASRS Mode _ 1 count = 10 [ms]	10 [ms]	O	O
744-614	Half Latch Detection Delay Time (Coated 1B ASRS Mode)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON in ASRS Mode _ 1 count = 10 [ms]	10 [ms]	O	O
744-615	Half Latch Detection Delay Time (Coated 1B2 ASRS Mode)	27	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON in ASRS Mode _ 1 count = 10 [ms]	10 [ms]	O	O
744-616	Half Latch Detection Delay Time (Coated 2A ASRS Mode)	31	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON in ASRS Mode _ 1 count = 10 [ms]	10 [ms]	O	O
744-617	Half Latch Detection Delay Time (Coated 2B ASRS Mode)	31	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON in ASRS Mode _ 1 count = 10 [ms]	10 [ms]	O	O
744-618	Half Latch Detection Delay Time (Coated 2ABC ASRS Mode Over 12 Inch)	10	0	100	Latch detection delay time when driving the Fusing Motor with the Half Latch Switch ON in ASRS Mode _ 1 count = 10 [ms]	10 [ms]	O	O
745-026	Environmental Temperature that Determines Whether to Perform Fusing Motor Empty Rotation during Warm Up	12	0	255	The environmental temperature that is used to determine whether the Fusing Motor will perform empty rotation during warm up. 1 count = 1 [degree]	1 [degree]	O	O
745-027	Envelope Size Detection SW	1	0	1	Performs detection for envelope by a size when Uncoated (257-300 gsm) paper is transported. 0: Not performed, 1: Perform		O	O
745-029	Latch Operation Instruction by Fusing Unit (Standard Fusing Unit)	2	0	2	Provides instruction on the latch operation for the Standard Fusing Unit.0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-030	Latch Operation Instruction by Fusing Unit (Thick Paper Fusing Unit)	0	0	2	Provides instruction on the latch operation for the Thick Paper Fusing Unit. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-031	Latch Operation Instruction by Fusing Unit (Envelope Wrinkle Handling Fusing Unit)	1	0	2	Provides instruction on the latch operation for the Envelope Wrinkle Handling Fusing Unit.0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-032	Latch Operation Instruction by Fusing Unit (reserved)	0	0	2	Not in use		O	O
745-033	Latch Operation Instruction by Fusing Unit (reserved)	0	0	2	Not in use		O	O
745-034	Latch Operation Instruction by Fusing Unit (reserved)	0	0	2	Not in use		O	O
745-035	Latch Operation Instruction by Fusing Unit (reserved)	0	0	2	Not in use		O	O

Table 1 NVM 744, 745, 765, 997 Fusing Unit List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
745-036	Latch Operation Instruction by Fusing Unit (Wireless Fusing Unit)	0	0	2	Provides instruction on the latch operation for the Wireless Fusing Unit. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-037	Latch Setting (Custom Paper 1)	2	0	2	The latch setting when Custom Paper 1 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-038	Latch Setting (Custom Paper 2)	2	0	2	The latch setting when Custom Paper 2 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-039	Latch Setting (Custom Paper 3)	2	0	2	The latch setting when Custom Paper 3 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-040	Latch Setting (Custom Paper 4)	2	0	2	The latch setting when Custom Paper 4 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-041	Latch Setting (Custom Paper 5)	2	0	2	The latch setting when Custom Paper 5 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-042	Latch Setting (Custom Paper 6)	2	0	2	The latch setting when Custom Paper 6 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-043	Latch Setting (Custom Paper 7)	2	0	2	The latch setting when Custom Paper 7 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-044	Latch Setting (Custom Paper 8)	2	0	2	The latch setting when Custom Paper 8 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-045	Latch Setting (Custom Paper 9)	2	0	2	The latch setting when Custom Paper 9 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-046	Latch Setting (Custom Paper 10)	2	0	2	The latch setting when Custom Paper 10 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-047	Latch Setting (Custom Paper 11)	2	0	2	The latch setting when Custom Paper 11 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-048	Latch Setting (Custom Paper 12)	2	0	2	The latch setting when Custom Paper 12 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-049	Latch Setting (Custom Paper 13)	2	0	2	The latch setting when Custom Paper 13 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-050	Latch Setting (Custom Paper 14)	2	0	2	The latch setting when Custom Paper 14 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-051	Latch Setting (Custom Paper 15)	2	0	2	The latch setting when Custom Paper 15 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-052	Latch Setting (Custom Paper 16)	2	0	2	The latch setting when Custom Paper 16 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-053	Latch Setting (Custom Paper 17)	2	0	2	The latch setting when Custom Paper 17 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-054	Latch Setting (Custom Paper 18)	2	0	2	The latch setting when Custom Paper 18 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-055	Latch Setting (Custom Paper 19)	2	0	2	The latch setting when Custom Paper 19 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O

Table 1 NVM 744, 745, 765, 997 Fusing Unit List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
745-056	Latch Setting (Custom Paper 20)	2	0	2	The latch setting when Custom Paper 20 is selected. 0: Full latch mode, 1: No latch mode, 2: Latch mode for each Paper Type		O	O
745-059	Fusing Motor Empty Rotation Availability	0	0	1	Sets whether the Fusing Motor will perform empty rotation during warm up. 0: Prohibit empty rotation, 1: Perform empty rotation		O	O
745-064	Latch Release Time Measurement Result 1	0	0	5000	The time from the start of the Fusing Motor reverse rotation to the Nip Sensor On _ latest. 1 count = 1 [ms]	1 [ms]	O	O
745-065	Latch Release Time Measurement Result 2	0	0	5000	The time from the start of the Fusing Motor reverse rotation to the Nip Sensor On _ second latest. 1 count = 1 [ms]	1 [ms]	O	O
745-066	Latch Release Time Measurement Result 3	0	0	5000	The time from the start of the Fusing Motor reverse rotation to the Nip Sensor On _ third latest. 1 count = 1 [ms]	1 [ms]	O	O
745-070	Heat Roll Detection Temperature Monitor Value (Center NC)	0	-50	280	Monitors the Heat Roll detection temperature (Center NC) _ 1 count = 1 [degree]	1 [degree]	O	X
745-071	Heat Roll Detection Temperature Monitor Value (Rear NC)	0	-50	280	Monitors the Heat Roll detection temperature (Rear NC) _ 1 count = 1 [degree]	1 [degree]	O	X
745-072	Heat Roll Detection Temperature Monitor Value (STS)	0	-50	280	Monitors the Heat Roll detection temperature (STS) _ 1 count = 1 [degree]	1 [degree]	O	X
745-073	Fusing Center NC Sensor Individual Difference Temperature Correction Value	100	97	110	Individual difference temperature correction value of Fusing Center NC Sensor _ 1 count = 1 [degree]	1 [degree]	O	O
745-074	Fusing Rear NC Sensor Individual Difference Temperature Correction Value	100	97	110	Individual difference temperature correction value of Fusing Rear NC Sensor _ 1 count = 1 [degree]	1 [degree]	O	O
745-092	High Temperature Error Detection History (Heat Roll)	0	0	7	Records from the sensor that detects the high temperature error for the Heat Roll. 0: Normal (Fail has not occurred), 1: High temperature error (Fusing Center NC Sensor), 2: High temperature error (Fusing Rear NC Sensor), 3: High temperature error (Fusing Heat Roll STS) 4: High temperature error (Fusing Center NC Sensor Compensation Output), 5: High temperature error (Fusing Rear NC Sensor Compensation Output), 6: High temperature error (Fusing Center NC Sensor Detection Output), 7: High temperature error (Fusing Rear NC Sensor Detection Output)		O	O
745-093	Differential Amplification Error Detection History	0	0	2	Records the differential increment error that was detected. 0: Normal (Fail has not occurred), 1: Differential increment error (Fusing Center NC Sensor), 2: Differential increment error (Fusing Rear NC Sensor)		O	O
745-094	NVM Value Error Detection History	0	0	1	Records the NVM value error that was detected. 0: Normal (Fail has not occurred), 1: NVM value error		O	O

Table 1 NVM 744, 745, 765, 997 Fusing Unit List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
745-097	Fusing Unit Internal State when Not Ready Time Fail Occurs (For Debug)	0	0	7	The internal state of the Fusing Unit at the occurrence of Not Ready Time Fail. 0: No Fail, 1: Warmup (With empty rotation), 2: Warmup (Without empty rotation), 3: Hot Not Ready Wait, 4: Standby, 5: Post-Print Control, 6: Print Process, 7: Low Power		O	O
745-098	Center NC Sensor Temperature when Not Ready Time Fail Occurs (For Debug)	0	0	32767	The monitor temperature of the Center NC Sensor at the occurrence of Not Ready Time Fail.		O	O
745-099	Rear NC Sensor Temperature when Not Ready Time Fail Occurs (For Debug)	0	0	32767	The monitor temperature of the Rear NC Sensor at the occurrence of Not Ready Time Fail.		O	O
745-100	Heat Roll STS Temperature when Not Ready Time Fail Occurs (For Debug)	0	-20	32767	The monitor temperature of the Heat Roll STS at the occurrence of Not Ready Time Fail.		O	O
745-101	Over Temp History Log (CNC Sensor Detected AD Value)	0	0	1023	The Center NC Sensor Detected AD value when Over Temp Fail occurs.		O	O
745-102	Over Temp History Log (CNC Sensor Compensation AD Value)	0	0	1023	The Center NC Sensor Compensation AD value when Over Temp Fail occurs.		O	O
745-103	Over Temp History Log (CNC Sensor Differential AD Value)	0	-1023	1023	The Center NC Sensor Differential AD value when Over Temp Fail occurs.		O	O
745-104	Over Temp History Log (RNC Sensor Detected AD Value)	0	0	1023	The Rear NC Sensor Detected AD value when Over Temp Fail occurs.		O	O
745-105	Over Temp History Log (RNC Sensor Compensation AD Value)	0	0	1023	The Rear NC Sensor Compensation AD value when Over Temp Fail occurs.		O	O
745-106	Over Temp History Log (RNC Sensor Differential AD Value)	0	-1023	1023	The Rear NC Sensor Differential AD value when Over Temp Fail occurs.		O	O
745-107	Over Temp History Log (Heat Roll STS AD Value)	0	0	1023	The Heat Roll STS AD value when Over Temp Fail occurs.		O	O
745-108	Over Temp History Previous 2 Seconds Log (CNC Sensor Detected AD Value)	0	0	1023	The Center NC Sensor Detected AD value at 2 seconds before Over Temp Fail occurs.		O	O
745-109	Over Temp History Previous 2 Seconds Log (CNC Sensor Compensation AD Value)	0	0	1023	The Center NC Sensor Compensation AD value at 2 seconds before Over Temp Fail occurs.		O	O
745-110	Over Temp History Previous 2 Seconds Log (CNC Sensor Differential AD Value)	0	-1023	1023	The Center NC Sensor Differential AD value at 2 seconds before Over Temp Fail occurs.		O	O
745-111	Over Temp History Previous 2 Seconds Log (RNC Sensor Detected AD Value)	0	0	1023	The Rear NC Sensor Detected AD value at 2 seconds before Over Temp Fail occurs.		O	O
745-112	Over Temp History Previous 2 Seconds Log (RNC Sensor Compensation AD Value)	0	0	1023	The Rear NC Sensor Compensation AD value at 2 seconds before Over Temp Fail occurs.		O	O
745-113	Over Temp History Previous 2 Seconds Log (RNC Sensor Differential AD Value)	0	-1023	1023	The Rear NC Sensor Differential AD value at 2 seconds before Over Temp Fail occurs.		O	O
745-114	Over Temp History Previous 2 Seconds Log (Heat Roll STS AD Value)	0	0	1023	The Heat Roll STS AD value at 2 seconds before Over Temp Fail occurs.		O	O
745-115	Over Temp History Previous 4 Seconds Log (CNC Sensor Detected AD Value)	0	0	1023	The Center NC Sensor Detected AD value at 4 seconds before Over Temp Fail occurs.		O	O

Table 1 NVM 744, 745, 765, 997 Fusing Unit List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
745-116	Over Temp History Previous 4 Seconds Log (CNC Sensor Compensation AD Value)	0	0	1023	The Center NC Sensor Compensation AD value at 4 seconds before Over Temp Fail occurs.		O	O
745-117	Over Temp History Previous 4 Seconds Log (CNC Sensor Differential AD Value)	0	-1023	1023	The Center NC Sensor Differential AD value at 4 seconds before Over Temp Fail occurs.		O	O
745-118	Over Temp History Previous 4 Seconds Log (RNC Sensor Detected AD Value)	0	0	1023	The Rear NC Sensor Detected AD value at 4 seconds before Over Temp Fail occurs.		O	O
745-119	Over Temp History Previous 4 Seconds Log (RNC Sensor Compensation AD Value)	0	0	1023	The Rear NC Sensor Compensation AD value at 4 seconds before Over Temp Fail occurs.		O	O
745-120	Over Temp History Previous 4 Seconds Log (RNC Sensor Differential AD Value)	0	-1023	1023	The Rear NC Sensor Differential AD value at 4 seconds before Over Temp Fail occurs.		O	O
745-121	Over Temp History Previous 4 Seconds Log (Heat Roll STS AD Value)	0	0	1023	The Heat Roll STS AD value at 4 seconds before Over Temp Fail occurs.		O	O
745-134	Fusing Center NC Sensor Temperature Monitor Value when Pitch Refusal Fail Occurs	0	0	255	The Fusing Center NC Sensor temperature monitor value when Pitch Refusal Fail occurs. 1 count = 1 [degree]	1 [degree]	O	O
745-135	Fusing Rear NC Sensor Temperature Monitor Value when Pitch Refusal Fail Occurs	0	0	255	The Fusing Rear NC Sensor temperature monitor value when Pitch Refusal Fail occurs. 1 count = 1 [degree]	1 [degree]	O	O
745-136	Fusing Heat Roll STS Sensor Temperature Monitor Value when Pitch Refusal Fail Occurs	0	0	255	The Fusing Heat Roll STS Sensor temperature monitor value when Pitch Refusal Fail occurs. 1 count = 1 [degree]	1 [degree]	O	O
745-137	Reason for Final Pitch Refusal	0	0	4	The reason the Pitch was refused at the occurrence of the Pitch Refusal Fail. 0: No reason, 1 to 4: With reason		O	O
745-144	Ambient Sensor Fail	0	0	2	The occurrence status of the Ambient Sensor Fail 0: Fail has not occurred, 1: Ambient Sensor Upper Limit exceeded, 2: Ambient Sensor Lower Limit exceeded		O	X
745-145	Ambient Temperature Monitor Value	0	-20	60	Monitors the temperature detected by the Ambient Sensor _ 1 count = 1 [degree]	1 [degree]	O	X
745-146	Ambient Sensor Fail Counter	0	0	65535	The Fail detection count using the Ambient Sensor A/D value _ 1 count = 1 [times]	1 [times]	O	X
745-451	Print Pitch Skip Up Temperature (308 mm/s)	10	0	255	Print Pitch Skip Up Temperature (308 mm/s) _ 1 count = 1 [degree]	1 [degree]	O	O
745-452	Print Pitch Skip Up Temperature (224 mm/s)	10	0	255	Print Pitch Skip Up Temperature (224 mm/s) _ 1 count = 1 [degree]	1 [degree]	O	O
745-453	Print Pitch Skip Up Temperature (154 mm/s)	10	0	255	Print Pitch Skip Up Temperature (154 mm/s) _ 1 count = 1 [degree]	1 [degree]	O	O
745-454	Print Pitch Skip Up Temperature (102 mm/s)	0	0	255	Print Pitch Skip Up Temperature (102 mm/s) _ 1 count = 1 [degree]	1 [degree]	O	O
745-480	Fusing Unit Warning Threshold Value (Standard Fusing Unit)	200	0	500	Fusing Unit warning threshold value (a forenotice for the replacement time of consumables) _ 1 count = 1 [kPV]	1 [kPV]	O	O
745-481	Fusing Unit Warning Threshold Value (Thick Paper Fusing Unit)	200	0	500	Fusing Unit warning threshold value (a forenotice for the replacement time of consumables) _ 1 count = 1 [kPV]	1 [kPV]	O	O

Table 1 NVM 744, 745, 765, 997 Fusing Unit List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
745-482	Fusing Unit Warning Threshold Value (Envelope Wrinkle Handling Fusing Unit)	200	0	500	Fusing Unit warning threshold value (a forenotice for the replacement time of consumables) _ 1 count = 1 [kPV]	1 [kPV]	O	O
745-483	Fusing Unit Warning Threshold Value (Preset)	100	0	500	Fusing Unit warning threshold value (a forenotice for the replacement time of consumables) _ 1 count = 1 [kPV]	1 [kPV]	O	O
745-484	Fusing Unit Warning Threshold Value (Preset)	200	0	500	Fusing Unit warning threshold value (a forenotice for the replacement time of consumables) _ 1 count = 1 [kPV] (Not in use)	1 [kPV]	O	O
745-485	Fusing Unit Warning Threshold Value (Preset)	200	0	500	Fusing Unit warning threshold value (a forenotice for the replacement time of consumables) _ 1 count = 1 [kPV] (Not in use)	1 [kPV]	O	O
745-486	Fusing Unit Warning Threshold Value (Preset)	200	0	500	Fusing Unit warning threshold value (a forenotice for the replacement time of consumables) _ 1 count = 1 [kPV] (Not in use)	1 [kPV]	O	O
745-487	Fusing Unit Warning Threshold Value (Wireless Fusing Unit)	200	0	500	Fusing Unit warning threshold value (a forenotice for the replacement time of consumables) _ 1 count = 1 [kPV]	1 [kPV]	O	O
745-488	Fusing Unit Life Threshold Value (Standard Fusing Unit)	210	0	500	Fusing Unit life threshold value (the replacement time of consumables) _ 1 count = 1 [kPV]	1 [kPV]	O	O
745-489	Fusing Unit Life Threshold Value (Thick Paper Fusing Unit)	210	0	500	Fusing Unit life threshold value (the replacement time of consumables) _ 1 count = 1 [kPV]	1 [kPV]	O	O
745-490	Fusing Unit Life Threshold Value (Envelope Wrinkle Handling Fusing Unit)	210	0	500	Fusing Unit life threshold value (the replacement time of consumables) _ 1 count = 1 [kPV]	1 [kPV]	O	O
745-491	Fusing Unit Life Threshold Value (Preset)	110	0	500	Fusing Unit life threshold value (the replacement time of consumables) _ 1 count = 1 [kPV]	1 [kPV]	O	O
745-492	Fusing Unit Life Threshold Value (Preset)	210	0	500	Fusing Unit life threshold value (the replacement time of consumables) _ 1 count = 1 [kPV] (Not in use)	1 [kPV]	O	O
745-493	Fusing Unit Life Threshold Value (Preset)	210	0	500	Fusing Unit life threshold value (the replacement time of consumables) _ 1 count = 1 [kPV] (Not in use)	1 [kPV]	O	O
745-494	Fusing Unit Life Threshold Value (Preset)	210	0	500	Fusing Unit life threshold value (the replacement time of consumables) _ 1 count = 1 [kPV] (Not in use)	1 [kPV]	O	O
745-495	Fusing Unit Life Threshold Value (Wireless Fusing Unit)	210	0	500	Fusing Unit life threshold value (the replacement time of consumables) _ 1 count = 1 [kPV]	1 [kPV]	O	O
745-497	Paper Feed Width Maximum Range (Paper Width Setting 0)	3302	1000	3302	The maximum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '0' _ [0.1 mm]	0.1 mm	O	O
745-498	Paper Feed Width Minimum Range (Paper Width Setting 0)	1000	1000	3302	The minimum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '0' _ [0.1 mm]	0.1 mm	O	O
745-499	Paper Feed Width Maximum Range (Paper Width Setting 1)	2499	1000	3302	The maximum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '1' _ [0.1 mm]	0.1 mm	O	O
745-500	Paper Feed Width Minimum Range (Paper Width Setting 1)	1800	1000	3302	The minimum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '1' _ [0.1 mm]	0.1 mm	O	O
745-501	Paper Feed Width Maximum Range (Paper Width Setting 2)	3069	1000	3302	The maximum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '2' _ [0.1 mm]	0.1 mm	O	O
745-502	Paper Feed Width Minimum Range (Paper Width Setting 2)	2500	1000	3302	The minimum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '2' _ [0.1 mm]	0.1 mm	O	O

Table 1 NVM 744, 745, 765, 997 Fusing Unit List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
745-503	Paper Feed Width Maximum Range (Paper Width Setting 3)	1799	1000	3302	The maximum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '3' _ [0.1 mm]	0.1 mm	O	O
745-504	Paper Feed Width Minimum Range (Paper Width Setting 3)	1000	1000	3302	The minimum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '3' _ [0.1 mm]	0.1 mm	O	O
745-505	Paper Feed Width Maximum Range (Paper Width Setting 4)	3302	1000	3302	The maximum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '4' _ [0.1 mm]	0.1 mm	O	O
745-506	Paper Feed Width Minimum Range (Paper Width Setting 4)	3070	1000	3302	The minimum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '4' _ [0.1 mm]	0.1 mm	O	O
745-507	Paper Feed Width Maximum Range (Paper Width Setting 5)	3302	1000	3302	The maximum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '5' _ [0.1 mm]	0.1 mm	O	O
745-508	Paper Feed Width Minimum Range (Paper Width Setting 5)	1000	1000	3302	The minimum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '5' _ [0.1 mm]	0.1 mm	O	O
745-509	Paper Feed Width Maximum Range (Paper Width Setting 6)	3302	1000	3302	The maximum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '6' _ [0.1 mm]	0.1 mm	O	O
745-510	Paper Feed Width Minimum Range (Paper Width Setting 6)	1000	1000	3302	The minimum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '6' _ [0.1 mm]	0.1 mm	O	O
745-511	Paper Feed Width Maximum Range (Paper Width Setting 7)	3302	1000	3302	The maximum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '7' _ [0.1 mm]	0.1 mm	O	O
745-512	Paper Feed Width Minimum Range (Paper Width Setting 7)	1000	1000	3302	The minimum range for paper feed when the Paper Width Setting Data is Paper Width Setting = '7' _ [0.1 mm]	0.1 mm	O	O
745-538	ASRS Emergency Stop High Temperature Error Detection History	0	0	7	Records from the sensor that detects the high temperature error for the Heat Roll. 0: Normal (Fail has not occurred), 1: High temperature error (Fusing Center NC Sensor), 2: High temperature error (Fusing Rear NC Sensor), 3: High temperature error (Fusing Heat Roll STS) 4: High temperature error (Fusing Center NC Sensor Compensation Output), 5: High temperature error (Fusing Rear NC Sensor Compensation Output), 6: High temperature error (Fusing Center NC Sensor Detection Output), 7: High temperature error (Fusing Rear NC Sensor Detection Output)		O	O
745-540	ASRS Emergency Stop History	0	0	1	Records whether an emergency stop has occurred during Print in ASRS mode. 0: Has not occurred, 1: Has occurred		O	O
745-554	NC Sensor Circuit Correction Value (Center)	0	0	65535	Circuit correction value of Fusing Center NC Sensor _ 1 count = 1 [degree]	1 [degree]	O	X
745-555	NC Sensor Circuit Correction Value (Rear)	0	0	65535	Circuit correction value of Fusing Rear NC Sensor _ 1 count = 1 [degree]	1 [degree]	O	X

Table 1 NVM 744, 745, 765, 997 Fusing Unit List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
765-519	Fusing Unit HR Fail Judgment Value Calculation Result 0	0	-32768	32767	The calculation result of Fusing Unit HR Fail Judgment Value. Holds 10 minute's worth of history. [1 count = 0.1] (Not applicable for Color C75 Press)	0.1	O	X
765-520	Fusing Unit HR Fail Judgment Value Calculation Result 1	0	-32768	32767	The calculation result of Fusing Unit HR Fail Judgment Value. Holds 10 minute's worth of history. [1 count = 0.1] (Not applicable for Color C75 Press)	0.1	O	X
765-521	Fusing Unit HR Fail Judgment Value Calculation Result 2	0	-32768	32767	The calculation result of Fusing Unit HR Fail Judgment Value. Holds 10 minute's worth of history. [1 count = 0.1] (Not applicable for Color C75 Press)	0.1	O	X
765-522	Fusing Unit HR Fail Judgment Value Calculation Result 3	0	-32768	32767	The calculation result of Fusing Unit HR Fail Judgment Value. Holds 10 minute's worth of history. [1 count = 0.1] (Not applicable for Color C75 Press)	0.1	O	X
765-523	Fusing Unit HR Fail Judgment Value Calculation Result 4	0	-32768	32767	The calculation result of Fusing Unit HR Fail Judgment Value. Holds 10 minute's worth of history. [1 count = 0.1] (Not applicable for Color C75 Press)	0.1	O	X
765-524	Fusing Unit HR Fail Judgment Value Calculation Result 5	0	-32768	32767	The calculation result of Fusing Unit HR Fail Judgment Value. Holds 10 minute's worth of history. [1 count = 0.1] (Not applicable for Color C75 Press)	0.1	O	X
765-525	Fusing Unit HR Fail Judgment Value Calculation Result 6	0	-32768	32767	The calculation result of Fusing Unit HR Fail Judgment Value. Holds 10 minute's worth of history. [1 count = 0.1] (Not applicable for Color C75 Press)	0.1	O	X
765-526	Fusing Unit HR Fail Judgment Value Calculation Result 7	0	-32768	32767	The calculation result of Fusing Unit HR Fail Judgment Value. Holds 10 minute's worth of history. [1 count = 0.1] (Not applicable for Color C75 Press)	0.1	O	X
765-527	Fusing Unit HR Fail Judgment Value Calculation Result 8	0	-32768	32767	The calculation result of Fusing Unit HR Fail Judgment Value. Holds 10 minute's worth of history. [1 count = 0.1] (Not applicable for Color C75 Press)	0.1	O	X
765-528	Fusing Unit HR Fail Judgment Value Calculation Result 9	0	-32768	32767	The calculation result of Fusing Unit HR Fail Judgment Value. Holds 10 minute's worth of history. [1 count = 0.1] (Not applicable for Color C75 Press)	0.1	O	X
765-529	Fusing Unit HR Fail Judgment Value Calculation Result Next Storage Location Index	0	0	9	The Index for the next storage location of Fusing Unit HR Fail Judgment Value calculation result. (The currently stored latest Index becomes the value of (this value - 1).) It is used as the Index for the next storage location of the Judgment Data (Delta T). (Not applicable for Color C75 Press)		O	X
765-531	Fusing Unit HR Fail Judgment Result	0	0	1	Fusing Unit HR Fail Judgment Result. 0: Normal, 1: Abnormal		O	O
997-277	Penetration Position Just Before Decurler Upper Cycle Down	0	0	5	Penetration Position Just Before Decurler Upper Cycle Down 0: Penetration position is not defined, 1 to 5: Penetration position is UP_P1 to UP_P5		O	X
997-278	Penetration Position Just Before Decurler Down Cycle Down	0	0	5	Penetration Position Just Before Decurler Upper Cycle Down 0: Penetration position is not defined, 1 to 5: Penetration position is DW_P1 to DW_P5		O	X

Table 1 NVM 744, 745, 765, 997 Fusing Unit List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
997-280	Humidity Sensor Detection State	0	0	1	Holds the state of detecting normally or out of detection range (including not installed) based on the obtained Humidity Data Average AD Value.0: Detecting normally, 1: Out of detection range or not installed		O	X

6.3.19 NVM 746, 747, 987 X'fer List

Table 1 NVM 746, 747, 987 X'fer List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
746-008	Print Operation Suspension Condition	0	0	2	Print Operation Suspension Condition 0: Do not perform, 1: Perform in BW only, 2: Perform in all modes		O	O
746-009	Number of Sheets to Suspend Print operation	200	1	5000	Number of Sheets to Suspend Print operation		O	O
746-230	2nd BTR Cleaning Cycle Count during Cycle Up	2	2	5	The number of times to perform the Cleaning Cycle after the Cycle Up when No Paper or Jam had occurred.		O	O
747-392	1st BTR Y All Remote Correction Value	100	0	200	1st BTR Y all remote [1%]		O	O
747-393	1st BTR M All Remote Correction Value	100	0	200	1st BTR M all remote [1%]		O	O
747-394	1st BTR C All Remote Correction Value	100	0	200	1st BTR C all remote [1%]		O	O
747-395	1st BTR K All Remote Correction Value	100	0	200	1st BTR K all remote [1%]		O	O
987-061	Secondary Transfer Output Manual Setting Sample Print Output Increment Width	10	0	50	Secondary Transfer Output Manual Setting Sample Print Output Increment Width [1%]		O	O

6.3.20 NVM 749 ROS List

Table 1 NVM 749 ROS List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
749-001	Edge Erase Specification [Lead Edge, For Color]	40	0	100	Specifies the image Lead Edge erase for Color. Unit: 0.1 mm. * Use this NVM when Color is specified from the Controller.	0.1 mm	O	O
749-002	Edge Erase Specification [Lead Edge, For BW]	40	0	100	Specifies the image Lead Edge erase for BW. Unit: 0.1 mm. * Use this NVM when BW is specified from the Controller.	0.1 mm	O	O
749-003	Edge Erase Specification [Tail Edge, For Color]	40	0	100	Specifies the image Tail Edge erase for Color. Unit: 0.1 mm. * Use this NVM when Color is specified from the Controller.	0.1 mm	O	O
749-004	Edge Erase Specification [Tail Edge, For BW]	40	0	100	Specifies the image Tail Edge erase for BW. Unit: 0.1 mm. * Use this NVM when BW is specified from the Controller.	0.1 mm	O	O
749-005	Edge Erase Specification [Side Edge, For both BW and Color]	30	0	100	Specifies edge erase for both image edges. Unit: 0.1 mm.	0.1 mm	O	O
749-006	Edge Erase Specification [Hole Punched]	40	0	300	Specifies the edge erase for Hole Punched Paper. Unit: 0.1 mm. Apply this NVM for erasing the Lead Edge of Side 1 and the Tail Edge of Side 2.	0.1 mm	O	O
749-007	Regi Auto Measurement Length, Measurement Chart, Front/Rear Offset Position	2830	669	3173	Sets the Offset positions at the front/rear of the measurement chart. Unit: BDot.	BDot	O	O
749-080	IN-OUT Smile Adjust Screen Specification	2	1	5	Specifies the Screen when performing MAX Setup IN-OUT Manual Setup. 1: 150C, 2: 200C, 3: 200R, 4: 300C, 5: 600C		O	O
749-188	Polygon Motor Fast-forward OFF Timer	15	0	30	The time from the Polygon Motor Fast-forward started to the motor stops due to Print instruction not received. Unit: 1 s. When this NVM is set to '0', Polygon Motor fast-forward is not performed.	1 s	O	O
749-189	Polygon Motor OFF Timer	0	0	30	The time until the Polygon Motor is turned OFF after the Print is complete. Unit: 1 s.	1 s	O	O
749-231	Image Lead Edge Lead Registration Adjustment Value	23	-50	50	Sets the lead registration adjustment value for image Lead Edge notification. The unit is 0.1 mm.	0.1 mm	O	O
749-235	IRECT Module Error Data [Y]	0	0	65535	Stores the IRECT module error data.		O	X
749-236	IRECT Module Error Data [M]	0	0	65535	Stores the IRECT module error data.		O	X
749-237	IRECT Module Error Data [C]	0	0	65535	Stores the IRECT module error data.		O	X
749-238	IRECT Module Error Data [K]	0	0	65535	Stores the IRECT module error data.		O	X
749-239	CONTIF Module Error Data [Y]	0	0	65535	Stores the CONTIF module error data.		O	X
749-240	CONTIF Module Error Data [M]	0	0	65535	Stores the CONTIF module error data.		O	X
749-241	CONTIF Module Error Data [C]	0	0	65535	Stores the CONTIF module error data.		O	X
749-242	CONTIF Module Error Data [K]	0	0	65535	Stores the CONTIF module error data.		O	X
749-428	Grid (90 degrees) Side 1/2 PG Selection Setting	0	0	1	Grid (90 degrees) Side 1/2 PG Selection Setting (0: 12 patterns, 1: 4 patterns)		O	O
749-429	Fill Pattern Setting (Side 1)	1	0	11	Grid (90 degrees) Side 1/2 Fill Pattern Setting (Side 1) 0: No Fill; 1: Area 1, 2, 3, 4; 2: Area 1, 2; 3: Area 3, 4; 4: Area 1, 3; 5: Area 2, 4; 6: Area 1, 4; 7: Area 2, 3; 8: Area 1; 9: Area 2; 10: Area 3; 11: Area 4		O	O
749-430	Fill Pattern Setting (Side 2)	1	0	11	Grid (90 degrees) Side 1/2 Fill Pattern Setting (Side 2) 0: No Fill; 1: Area 1, 2, 3, 4; 2: Area 1, 2; 3: Area 3, 4; 4: Area 1, 3; 5: Area 2, 4; 6: Area 1, 4; 7: Area 2, 3; 8: Area 1; 9: Area 2; 10: Area 3; 11: Area 4		O	O

Table 1 NVM 749 ROS List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
749-431	Density Pattern Specification (Side 1) (Grid (90 Degrees) Side 1/2)	3	0	3	Grid (90 degrees) Side 1/2 Density Pattern Specification (Side 1) 0: low density, 1: medium density, 2: high density, 3: 0% density		O	O
749-432	Density Pattern Specification (Side 2) (Grid (90 Degrees) Side 1/2)	3	0	3	Grid (90 degrees) Side 1/2 Density Pattern Specification (Side 2) 0: low density, 1: medium density, 2: high density, 3: 0% density		O	O
749-433	Detailed Density Setting (Low Density, for Y color)	0	0	100	Grid (90 degrees) Side 1/2 Detailed Density Setting (Low Density, for Y Color) [unit: 1%]	1%	O	O
749-434	Detailed Density Setting (Low Density, for M Color)	0	0	100	Grid (90 degrees) Side 1/2 Detailed Density Setting (Low Density, for M Color) [unit: 1%]	1%	O	O
749-435	Detailed Density Setting (Low Density, for C Color)	0	0	100	Grid (90 degrees) Side 1/2 Detailed Density Setting (Low Density, for C Color) [unit: 1%]	1%	O	O
749-436	Detailed Density Setting (Low Density, for K Color)	20	0	100	Grid (90 degrees) Side 1/2 Detailed Density Setting (Low Density, for K Color) [unit: 1%]	1%	O	O
749-437	Detailed Density Setting (Medium Density, for Y Color)	10	0	100	Grid (90 degrees) Side 1/2 Detailed Density Setting (Medium Density, for Y Color) [unit: 1%]	1%	O	O
749-438	Detailed Density Setting (Medium Density, for M Color)	10	0	100	Grid (90 degrees) Side 1/2 Detailed Density Setting (Medium Density, for M Color) [unit: 1%]	1%	O	O
749-439	Detailed Density Setting (Medium Density, for C Color)	10	0	100	Grid (90 degrees) Side 1/2 Detailed Density Setting (Medium Density, for C Color) [unit: 1%]	1%	O	O
749-440	Detailed Density Setting (Medium Density, for K Color)	50	0	100	Grid (90 degrees) Side 1/2 Detailed Density Setting (Medium Density, for K Color) [unit: 1%]	1%	O	O
749-441	Detailed Density Setting (High Density, for Y Color)	50	0	100	Grid (90 degrees) Side 1/2 Detailed Density Setting (High Density, for Y Color) [unit: 1%]	1%	O	O
749-442	Detailed Density Setting (High Density, for M Color)	50	0	100	Grid (90 degrees) Side 1/2 Detailed Density Setting (High Density, for M Color) [unit: 1%]	1%	O	O
749-443	Detailed Density Setting (High Density, for C Color)	50	0	100	Grid (90 degrees) Side 1/2 Detailed Density Setting (High Density, for C Color) [unit: 1%]	1%	O	O
749-444	Detailed Density Setting (High Density, for K Color)	50	0	100	Grid (90 degrees) Side 1/2 Detailed Density Setting (High Density, for K Color) [unit: 1%]	1%	O	O
749-445	Non-Paper Pass Area Band Small Size Side Adjustment Value	30	0	100	Additional adjustment value limited to small size paper (Paper Depth shorter than 139.7 mm). The unit is 0.1 mm.	0.1 mm	O	O
749-448	Fill Pattern Setting (Side 1) (For IIT Alignment Adjustment)	1	0	11	Fill Pattern Setting for IIT Alignment Adjustment (Side 1) 0: No Fill; 1: Area 1, 2, 3, 4; 2: Area 1, 2; 3: Area 3, 4; 4: Area 1, 3; 5: Area 2, 4; 6: Area 1, 4; 7: Area 2, 3; 8: Area 1; 9: Area 2; 10: Area 3; 11: Area 4		O	O
749-449	Fill Pattern Setting (Side 2) (For IIT Alignment Adjustment)	1	0	11	Fill Pattern Setting for IIT Alignment Adjustment (Side 2) 0: No Fill; 1: Area 1, 2, 3, 4; 2: Area 1, 2; 3: Area 3, 4; 4: Area 1, 3; 5: Area 2, 4; 6: Area 1, 4; 7: Area 2, 3; 8: Area 1; 9: Area 2; 10: Area 3; 11: Area 4		O	O
749-450	Detailed Density Setting (Cin Value 1, for Y Color) (For IIT Alignment Adjustment)	0	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 1, for Y Color) [Unit: 1%]	1%	O	O
749-451	Detailed Density Setting (Cin Value 1, for M Color) (For IIT Alignment Adjustment)	0	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 1, for M Color) [Unit: 1%]	1%	O	O

Table 1 NVM 749 ROS List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
749-452	Detailed Density Setting (Cin Value 1, for C Color) (For IIT Alignment Adjustment)	0	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 1, for C Color) [Unit: 1%]	1%	O	O
749-453	Detailed Density Setting (Cin Value 1, for K Color) (For IIT Alignment Adjustment)	0	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 1, for K Color) [Unit: 1%]	1%	O	O
749-454	Detailed Density Setting (Cin Value 2, for Y Color) (For IIT Alignment Adjustment)	10	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 2, for Y Color) [Unit: 1%]	1%	O	O
749-455	Detailed Density Setting (Cin Value 2, for M Color) (For IIT Alignment Adjustment)	10	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 2, for M Color) [Unit: 1%]	1%	O	O
749-456	Detailed Density Setting (Cin Value 2, for C Color) (For IIT Alignment Adjustment)	10	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 2, for C Color) [Unit: 1%]	1%	O	O
749-457	Detailed Density Setting (Cin Value 2, for K Color) (For IIT Alignment Adjustment)	10	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 2, for K Color) [Unit: 1%]	1%	O	O
749-458	Detailed Density Setting (Cin Value 3, for Y Color) (For IIT Alignment Adjustment)	15	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 3, for Y Color) [Unit: 1%]	1%	O	O
749-459	Detailed Density Setting (Cin Value 3, for M Color) (For IIT Alignment Adjustment)	15	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 3, for M Color) [Unit: 1%]	1%	O	O
749-460	Detailed Density Setting (Cin Value 3, for C Color) (For IIT Alignment Adjustment)	15	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 3, for C Color) [Unit: 1%]	1%	O	O
749-461	Detailed Density Setting (Cin Value 3, for K Color) (For IIT Alignment Adjustment)	15	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 3, for K Color) [Unit: 1%]	1%	O	O
749-462	Detailed Density Setting (Cin Value 4, for Y Color) (For IIT Alignment Adjustment)	20	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 4, for Y Color) [Unit: 1%]	1%	O	O
749-463	Detailed Density Setting (Cin Value 4, for M Color) (For IIT Alignment Adjustment)	20	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 4, for M Color) [Unit: 1%]	1%	O	O
749-464	Detailed Density Setting (Cin Value 4, for C Color) (For IIT Alignment Adjustment)	20	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 4, for C Color) [Unit: 1%]	1%	O	O
749-465	Detailed Density Setting (Cin Value 4, for K Color) (For IIT Alignment Adjustment)	20	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 4, for K Color) [Unit: 1%]	1%	O	O
749-466	Detailed Density Setting (Cin Value 5, for Y Color) (For IIT Alignment Adjustment)	25	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 5, for Y Color) [Unit: 1%]	1%	O	O
749-467	Detailed Density Setting (Cin Value 5, for M Color) (For IIT Alignment Adjustment)	25	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 5, for M Color) [Unit: 1%]	1%	O	O
749-468	Detailed Density Setting (Cin Value 5, for C Color) (For IIT Alignment Adjustment)	25	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 5, for C Color) [Unit: 1%]	1%	O	O
749-469	Detailed Density Setting (Cin Value 5, for K Color) (For IIT Alignment Adjustment)	25	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 5, for K Color) [Unit: 1%]	1%	O	O
749-470	Detailed Density Setting (Cin Value 6, for Y Color) (For IIT Alignment Adjustment)	30	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 6, for Y Color) [Unit: 1%]	1%	O	O
749-471	Detailed Density Setting (Cin Value 6, for M Color) (For IIT Alignment Adjustment)	30	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 6, for M Color) [Unit: 1%]	1%	O	O

Table 1 NVM 749 ROS List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
749-472	Detailed Density Setting (Cin Value 6, for C Color) (For IIT Alignment Adjustment)	30	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 6, for C Color) [Unit: 1%]	1%	O	O
749-473	Detailed Density Setting (Cin Value 6, for K Color) (For IIT Alignment Adjustment)	30	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 6, for K Color) [Unit: 1%]	1%	O	O
749-474	Detailed Density Setting (Cin Value 7, for Y Color) (For IIT Alignment Adjustment)	35	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 7, for Y Color) [Unit: 1%]	1%	O	O
749-475	Detailed Density Setting (Cin Value 7, for M Color) (For IIT Alignment Adjustment)	35	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 7, for M Color) [Unit: 1%]	1%	O	O
749-476	Detailed Density Setting (Cin Value 7, for C Color) (For IIT Alignment Adjustment)	35	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 7, for C Color) [Unit: 1%]	1%	O	O
749-477	Detailed Density Setting (Cin Value 7, for K Color) (For IIT Alignment Adjustment)	35	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 7, for K Color) [Unit: 1%]	1%	O	O
749-478	Detailed Density Setting (Cin Value 8, for Y Color) (For IIT Alignment Adjustment)	40	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 8, for Y Color) [Unit: 1%]	1%	O	O
749-479	Detailed Density Setting (Cin Value 8, for M Color) (For IIT Alignment Adjustment)	40	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 8, for M Color) [Unit: 1%]	1%	O	O
749-480	Detailed Density Setting (Cin Value 8, for C Color) (For IIT Alignment Adjustment)	40	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 8, for C Color) [Unit: 1%]	1%	O	O
749-481	Detailed Density Setting (Cin Value 8, for K Color) (For IIT Alignment Adjustment)	40	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 8, for K Color) [Unit: 1%]	1%	O	O
749-482	Detailed Density Setting (Cin Value 9, for Y Color) (For IIT Alignment Adjustment)	45	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 9, for Y Color) [Unit: 1%]	1%	O	O
749-483	Detailed Density Setting (Cin Value 9, for M Color) (For IIT Alignment Adjustment)	45	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 9, for M Color) [Unit: 1%]	1%	O	O
749-484	Detailed Density Setting (Cin Value 9, for C Color) (For IIT Alignment Adjustment)	45	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 9, for C Color) [Unit: 1%]	1%	O	O
749-485	Detailed Density Setting (Cin Value 9, for K Color) (For IIT Alignment Adjustment)	45	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 9, for K Color) [Unit: 1%]	1%	O	O
749-486	Detailed Density Setting (Cin Value 10, for Y Color) (For IIT Alignment Adjustment)	50	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 10, for Y Color) [Unit: 1%]	1%	O	O
749-487	Detailed Density Setting (Cin Value 10, for M Color) (For IIT Alignment Adjustment)	50	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 10, for M Color) [Unit: 1%]	1%	O	O
749-488	Detailed Density Setting (Cin Value 10, for C Color) (For IIT Alignment Adjustment)	50	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 10, for C Color) [Unit: 1%]	1%	O	O
749-489	Detailed Density Setting (Cin Value 10, for K Color) (For IIT Alignment Adjustment)	50	0	100	Detailed Density Setting for IIT Alignment Adjustment (Cin Value 10, for K Color) [Unit: 1%]	1%	O	O

6.3.21 NVM 750, 751 Xero/Clean List

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-001	PR Thick Detect Sw	1	0	2	The film thickness detection control ON/OFF Switch. 0: Do not perform, 1: Perform, 2: Force to perform		O	O
750-003	#Y PR Thick Detect CYC	0	0	5000000	The CYC count to determine whether to perform the #Y film thickness detection (CRUM) [cyc]		O	X
750-004	#M PR Thick Detect CYC	0	0	5000000	The CYC count to determine whether to perform the #M film thickness detection (CRUM) [cyc]		O	X
750-005	#C PR Thick Detect CYC	0	0	5000000	The CYC count to determine whether to perform the #C film thickness detection (CRUM) [cyc]		O	X
750-006	#Y_Film Detect PR Cycle	0	0	5000000	The PR cycle count after the #Y film thickness detection calculation (CRUM) [cyc]		O	X
750-007	#M_Film Detect PR Cycle	0	0	5000000	The PR cycle count after the #M film thickness detection calculation (CRUM) [cyc]		O	X
750-008	#C_Film Detect PR Cycle	0	0	5000000	The PR cycle count after the #C film thickness detection calculation (CRUM) [cyc]		O	X
750-124	Charge Cont Sw	1	0	3	The shoulder detection control ON/OFF Switch. 0: Do not perform, 1: Perform, 2: Force to perform, 3: Perform the BCR output setting operation (0 and 3 are controlled by the Environment Table)		O	O
750-125	#Y Error Flag	0	0	4	Writes the Y error judgment flag bit in the CRUM.		O	X
750-126	#M Error Flag	0	0	4	Writes the M error judgment flag bit in the CRUM.		O	X
750-127	#C Error Flag	0	0	4	Writes the C error judgment flag bit in the CRUM.		O	X
750-170	#Y_AC Prediction Shld	0	0	255	The #Y AC Prediction Shoulder Value; Unit: [0.01 mA]	0.01 mA	O	O
750-171	#M_AC Prediction Shld	0	0	255	The #M AC Prediction Shoulder Value; Unit: [0.01 mA]	0.01 mA	O	O
750-172	#C_AC Prediction Shld	0	0	255	The #C AC Prediction Shoulder Value; Unit: [0.01 mA]	0.01 mA	O	O
750-289	Const AC OUT Counter	0	0	255	The BCR AC output error count.		O	O
750-290	Drum ER TIME SW	0	0	2	A switch that controls the Drum empty rotation. 0: Empty rotation OFF, 1: Empty rotation ON, 2: Force to perform empty rotation		O	O
750-325	PR_ER_TIME-PS308	300	0	65535	Forced Drum empty rotation time fixed value at PS308 [10 ms]		O	O
750-326	PR_ER_TIME-PS224	420	0	65535	Forced Drum empty rotation time fixed value at PS224 [10 ms]		O	O
750-327	PR_ER_TIME-PS154	600	0	65535	Forced Drum empty rotation time fixed value at PS154 [10 ms]		O	O
750-328	PR_ER_TIME-PS102	900	0	65535	Forced Drum empty rotation time fixed value at PS102 [10 ms]		O	O
750-331	Non-Paper-Area Band_SW	1	0	1	Non-paper pass area band creation judgment SW. 0: Non-paper pass area band OFF, 1: Non-paper pass area band ON		O	O
750-332	Non-Paper Pass Area Band Y Cin (Non-Paper-Area Band_Y_CIN)	50	0	255	Non-paper pass area band Y Cin. (0 = 0 [%], 255 = 100 [%]) Temporary 12.5 [%]		O	O
750-333	Non-Paper Pass Area Band M Cin (Non-Paper-Area Band_M_CIN)	50	0	255	Non-paper pass area band M Cin. (0 = 0 [%], 255 = 100 [%]) Temporary 12.5 [%]		O	O
750-334	Non-Paper Pass Area Band C Cin (Non-Paper-Area Band_C_CIN)	50	0	255	Non-paper pass area band C Cin. (0 = 0 [%], 255 = 100 [%]) Temporary 12.5 [%]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-335	Non-Paper Pass Area Band Y/M/C ON Width (Non-Paper-Area_Band Y/M/C ON_WIDTH)	250	0	16383	Non-paper pass area band Y/M/C ON width. Unit: [1 BDot] (1 Bdot = 0.04 mm)	1 BDot	O	O
750-336	Non-Paper Pass Area Band Y/M/C OFF Width (Non-Paper-Area_Band Y/M/C OFF_WIDTH)	0	0	16383	Non-paper pass area band Y/M/C OFF width. Unit: [1 BDot] (1 Bdot = 0.04 mm)	1 BDot	O	O
750-337	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 0) NON-PAPER-AREA_BAND Y/M/C _Env0	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 0). Unit: [0.1%]	0.1%	O	O
750-338	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 1) NON-PAPER-AREA_BAND Y/M/C _Env1	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 1). Unit: [0.1%]	0.1%	O	O
750-339	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 2) NON-PAPER-AREA_BAND Y/M/C _Env2	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 2). Unit: [0.1%]	0.1%	O	O
750-340	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 3) NON-PAPER-AREA_BAND Y/M/C _Env3	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 3). Unit: [0.1%]	0.1%	O	O
750-341	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 4) NON-PAPER-AREA_BAND Y/M/C _Env4	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 4). Unit: [0.1%]	0.1%	O	O
750-342	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 5) NON-PAPER-AREA_BAND Y/M/C _Env5	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 5). Unit: [0.1%]	0.1%	O	O
750-343	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 6) NON-PAPER-AREA_BAND Y/M/C _Env6	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 6). Unit: [0.1%]	0.1%	O	O
750-344	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 7) NON-PAPER-AREA_BAND Y/M/C _Env7	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 7). Unit: [0.1%]	0.1%	O	O
750-345	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 8) NON-PAPER-AREA_BAND Y/M/C _Env8	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 8). Unit: [0.1%]	0.1%	O	O
750-346	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 9) NON-PAPER-AREA_BAND Y/M/C _Env9	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 9). Unit: [0.1%]	0.1%	O	O
750-347	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 10) NON-PAPER-AREA_BAND Y/M/C _Env10	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 10). Unit: [0.1%]	0.1%	O	O
750-348	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 11) NON-PAPER-AREA_BAND Y/M/C _Env11	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 11). Unit: [0.1%]	0.1%	O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-349	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 12) NON-PAPER-AREA_BAND Y/M/C _Env12	1000	0	1000	Non-paper pass area Y/M/C Ave AC band creation environment (Environment 12) Unit: [0.1%]	0.1%	O	O
750-350	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 13) NON-PAPER-AREA_BAND Y/M/C _Env13	500	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 13). Unit: [0.1%]	0.1%	O	O
750-351	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 14) NON-PAPER-AREA_BAND Y/M/C _Env14	500	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 14). Unit: [0.1%]	0.1%	O	O
750-352	Non-Paper Pass Area Band Moving Average Area Coverage Threshold Value (Environment 15) NON-PAPER-AREA_BAND Y/M/C _Env15	500	0	1000	Non-paper pass area Y/M/C Ave AC band creation threshold value (Environment 15). Unit: [0.1%]	0.1%	O	O
750-354	Accumulated No. of Printed Sheets Threshold Value (Non-Paper-Area Band Print TH)	10	0	65535	Non-paper pass area band execution condition; Accumulated no. of printed sheets threshold value. Unit: [1 sheet]	1 sheets	O	O
750-355	Non-Paper Pass Area Band Side Adjustment Value Front (Non-Paper-Area Band side-Front)	20	0	100	Non-paper pass area band side adjustment value front (for XERO). Unit: [0.1 mm]	0.1 mm	O	O
750-356	Non-Paper Pass Area Band Side Adjustment Value Rear (Non-Paper-Area Band side-Rear)	20	0	100	Non-paper pass area band side adjustment value rear (for XERO). Unit: [0.1 mm]	0.1 mm	O	O
750-357	HI_TAIL_BAND_SW	0	0	3	High A/C Tail Band Creation Judgment SW. 0: High A/C Tail Band creation operation OFF, 1: High A/C Tail Band creation operation ON, 2: High A/C Tail Band K Color creation operation OFF, 3: Forced ON		O	O
750-362	HI_TAIL_BAND Y Creation Judgment Counter Threshold Value (HI_TAIL_BAND_Y TH)	10	0	1000	High A/C Tail Band Y execution judgment counter threshold value. Unit: [cycle]	1 cycle	O	O
750-363	HI_TAIL_BAND M Creation Judgment Counter Threshold Value (HI_TAIL_BAND_M TH)	10	0	1000	High A/C Tail Band M execution judgment counter threshold value. Unit: [cycle]	1 cycle	O	O
750-364	HI_TAIL_BAND C Creation Judgment Counter Threshold Value (HI_TAIL_BAND_C TH)	10	0	1000	High A/C Tail Band C execution judgment counter threshold value. Unit: [cycle]	1 cycle	O	O
750-365	HI_TAIL_BAND K Creation Judgment Counter Threshold Value (HI_TAIL_BAND_K TH)	5	0	1000	High A/C Tail Band K execution judgment counter threshold value. Unit: [cycle]	1 cycle	O	O
750-366	HI_TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 0) (YMCK_HI_AC_BAND A/C TH Env0)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 0) Unit: [0.1%]	0.1%	O	O
750-367	HI_TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 1) (YMCK_HI_AC_BAND A/C TH Env1)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 1) Unit: [0.1%]	0.1%	O	O
750-368	HI_TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 2) (YMCK_HI_AC_BAND A/C TH Env2)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 2) Unit: [0.1%]	0.1%	O	O
750-369	HI_TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 3) (YMCK_HI_AC_BAND A/C TH Env3)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 3) Unit: [0.1%]	0.1%	O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-370	HI TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 4) (YMCK_HI_AC_BAND A/C TH Env4)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 4) Unit: [0.1%]	0.1%	O	O
750-371	HI TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 5) (YMCK_HI_AC_BAND A/C TH Env5)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 5) Unit: [0.1%]	0.1%	O	O
750-372	HI TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 6) (YMCK_HI_AC_BAND A/C TH Env6)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 6) Unit: [0.1%]	0.1%	O	O
750-373	HI TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 7) (YMCK_HI_AC_BAND A/C TH Env7)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 7) Unit: [0.1%]	0.1%	O	O
750-374	HI TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 8) (YMCK_HI_AC_BAND A/C TH Env8)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 8) Unit: [0.1%]	0.1%	O	O
750-375	HI TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 9) (YMCK_HI_AC_BAND A/C TH Env9)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 9) Unit: [0.1%]	0.1%	O	O
750-376	HI TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 10) (YMCK_HI_AC_BAND A/C TH Env10)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 10) Unit: [0.1%]	0.1%	O	O
750-377	HI TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 11) (YMCK_HI_AC_BAND A/C TH Env11)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 11) Unit: [0.1%]	0.1%	O	O
750-378	HI TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 12) (YMCK_HI_AC_BAND A/C TH Env12)	1000	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 12) Unit: [0.1%]	0.1%	O	O
750-379	HI TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 13) (YMCK_HI_AC_BAND A/C TH Env13)	500	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 13) Unit: [0.1%]	0.1%	O	O
750-380	HI TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 14) (YMCK_HI_AC_BAND A/C TH Env14)	500	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 14) Unit: [0.1%]	0.1%	O	O
750-381	HI TAIL_BAND Y/M/C/K Creation Threshold Value By Environment (Environment 15) (YMCK_HI_AC_BAND A/C TH Env15)	500	0	1000	High A/C Tail Band Y/M/C/K creation threshold value by environment (Environment 15) Unit: [0.1%]	0.1%	O	O
750-386	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 0 _ YMC_TAIL_BAND_Env0	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 0 [%]		O	O
750-387	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 1 _ YMC_TAIL_BAND_Env1	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 1 [%]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-388	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 2 _ YMC_TAIL_BAND_Env2	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 2 [%]		O	O
750-389	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 3 _ YMC_TAIL_BAND_Env3	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 3 [%]		O	O
750-390	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 4 _ YMC_TAIL_BAND_Env4	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 4 [%]		O	O
750-391	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 5 _ YMC_TAIL_BAND_Env5	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 5 [%]		O	O
750-392	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 6 _ YMC_TAIL_BAND_Env6	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 6 [%]		O	O
750-393	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 7 _ YMC_TAIL_BAND_Env7	20	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 7 [%]		O	O
750-394	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 8 _ YMC_TAIL_BAND_Env8	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 8 [%]		O	O
750-395	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 9 _ YMC_TAIL_BAND_Env9	20	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 9 [%]		O	O
750-396	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 10 _ YMC_TAIL_BAND_Env10	20	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 10 [%]		O	O
750-397	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 11 _ YMC_TAIL_BAND_Env11	20	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 11 [%]		O	O
750-398	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 12 _ YMC_TAIL_BAND_Env12	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 12 [%]		O	O
750-399	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 13 _ YMC_TAIL_BAND_Env13	20	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 13 [%]		O	O
750-400	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 14 _ YMC_TAIL_BAND_Env14	20	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 14 [%]		O	O
750-401	Tail Band Y/M/C Execution Judgment Threshold Value Correction Coefficient in Environment 15 _ YMC_TAIL_BAND_Env15	20	0	255	The threshold value correction coefficient for determining whether to perform Tail Band Y/M/C in environment 15 [%]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-402	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 0 _ K_TAIL_BAND_Env0	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 0 [%]		O	O
750-403	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 1 _ K_TAIL_BAND_Env1	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 1 [%]		O	O
750-404	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 2 _ K_TAIL_BAND_Env2	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 2 [%]		O	O
750-405	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 3 _ K_TAIL_BAND_Env3	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 3 [%]		O	O
750-406	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 4 _ K_TAIL_BAND_Env4	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 4 [%]		O	O
750-407	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 5 _ K_TAIL_BAND_Env5	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 5 [%]		O	O
750-408	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 6 _ K_TAIL_BAND_Env6	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 6 [%]		O	O
750-409	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 7 _ K_TAIL_BAND_Env7	10	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 7 [%]		O	O
750-410	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 8 _ K_TAIL_BAND_Env8	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 8 [%]		O	O
750-411	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 9 _ K_TAIL_BAND_Env9	10	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 9 [%]		O	O
750-412	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 10 _ K_TAIL_BAND_Env10	10	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 10 [%]		O	O
750-413	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 11 _ K_TAIL_BAND_Env11	10	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 11 [%]		O	O
750-414	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 12 _ K_TAIL_BAND_Env12	100	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 12 [%]		O	O
750-415	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 13 _ K_TAIL_BAND_Env13	10	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 13 [%]		O	O
750-416	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 14 _ K_TAIL_BAND_Env14	10	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 14 [%]		O	O
750-417	Tail Band K Execution Judgment Threshold Value Correction Coefficient in Environment 15 _ K_TAIL_BAND_Env15	10	0	255	The threshold value correction coefficient for determining whether to perform Tail Band K in environment 15 [%]		O	O
750-516	Y Moving Average _ Short	0	0	1000	The moving average of Y Band _ Short [0.1%]		O	O
750-517	M Moving Average _ Short	0	0	1000	The moving average of M Band _ Short [0.1%]		O	O
750-518	C Moving Average _ Short	0	0	1000	The moving average of C Band _ Short [0.1%]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-519	K Moving Average _ Short	0	0	1000	The moving average of K Band _ Short [0.1%]		O	O
750-520	Y Moving Average _ Long	0	0	1000	The moving average of Y Band _ Long [0.1%]		O	O
750-521	M Moving Average _ Long	0	0	1000	The moving average of M Band _ Long [0.1%]		O	O
750-522	C Moving Average _ Long	0	0	1000	The moving average of C Band _ Long [0.1%]		O	O
750-523	K Moving Average _ Long	0	0	1000	The moving average of K Band _ Long [0.1%]		O	O
750-541	Job Start Band YMC Control Judgment SW (308) JOB_START_BAND_YMC_TH308	0	0	65535	YMC Job Start Band control judgment SW for PS308. Bits 0 to 15 correspond to Environment Numbers 0 to 15.		O	O
750-542	Job Start Band YMC Control Judgment SW (224) JOB_START_BAND_YMC_TH224	0	0	65535	YMC Job Start Band control judgment SW for PS224. Bits 0 to 15 correspond to Environment Numbers 0 to 15.		O	O
750-543	Job Start Band YMC Control Judgment SW (154) JOB_START_BAND_YMC_TH154	0	0	65535	YMC Job Start Band control judgment SW for PS154. Bits 0 to 15 correspond to Environment Numbers 0 to 15.		O	O
750-544	Job Start Band YMC Control Judgment SW (102) JOB_START_BAND_YMC_TH102	0	0	65535	YMC Job Start Band control judgment SW for PS102. Bits 0 to 15 correspond to Environment Numbers 0 to 15.		O	O
750-545	Job Start Band K Control Judgment SW (308) JOB_START_BAND_K_TH308	0	0	65535	K Job Start Band control judgment SW for PS308. Bits 0 to 15 correspond to Environment Numbers 0 to 15.		O	O
750-546	Job Start Band K Control Judgment SW (224) JOB_START_BAND_K_TH224	0	0	65535	K Job Start Band control judgment SW for PS224. Bits 0 to 15 correspond to Environment Numbers 0 to 15.		O	O
750-547	Job Start Band K Control Judgment SW (154) JOB_START_BAND_K_TH154	0	0	65535	K Job Start Band control judgment SW for PS154. Bits 0 to 15 correspond to Environment Numbers 0 to 15.		O	O
750-548	Job Start Band K Control Judgment SW (102) JOB_START_BAND_K_TH102	0	0	65535	K Job Start Band control judgment SW for PS102. Bits 0 to 15 correspond to Environment Numbers 0 to 15.		O	O
750-549	Job Start Band YMC Control Judgment SW (JOB_START_BAND_YMC_SW)	1	0	1	YMC Job Start Band control judgment SW (0: Do not control, 1: Control)		O	O
750-550	Job Start Band K Control Judgment SW (JOB_START_BAND_K_SW)	0	0	1	K Job Start Band control judgment SW (0: Do not control, 1: Control)		O	O
750-551	Job Start Band YMC Cin/JOB_START_BAND_YMC_CIN	128	0	255	Job Start Band YMC Cin [0.391%]		O	O
750-552	Job Start Band K Cin/JOB_START_BAND_K_CIN	128	0	255	Job Start Band K Cin [0.391%]		O	O
750-553	Job Start Band YMC Width JOB_START_BAND_YMC_WIDTH	25	1	45	Job Start Band YMC width (mm)		O	O
750-554	Job Start Band K Width/JOB_START_BAND_K_WIDTH	3	1	45	Job Start Band K width (mm)		O	O
750-555	Job Start Band Write Prohibition Area	0	0	20000	Write prohibition area for Job Start Band. Unit: 0.1 [mm]	0.1 mm	O	O
750-556	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 0) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV0_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 0; Drum drive distance [cycle]		O	O
750-557	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 1) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV1_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 1; Drum drive distance [cycle]		O	O
750-558	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 2) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV2_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 2; Drum drive distance [cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-559	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 3) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV3_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 3; Drum drive distance [cycle]		O	O
750-560	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 4) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV4_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 4; Drum drive distance [cycle]		O	O
750-561	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 5) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV5_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 5; Drum drive distance [cycle]		O	O
750-562	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 6) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV6_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 6; Drum drive distance [cycle]		O	O
750-563	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 7) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV7_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 7; Drum drive distance [cycle]		O	O
750-564	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 8) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV8_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 8; Drum drive distance [cycle]		O	O
750-565	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 9) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV9_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 9; Drum drive distance [cycle]		O	O
750-566	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 10) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV10_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 10; Drum drive distance [cycle]		O	O
750-567	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 11) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV11_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 11; Drum drive distance [cycle]		O	O
750-568	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 12) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV12_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 12; Drum drive distance [cycle]		O	O
750-569	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 13) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV13_308	225	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 13; Drum drive distance [cycle]		O	O
750-570	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 14) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV14_308	225	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 14; Drum drive distance [cycle]		O	O
750-571	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Environment 15) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV15_308	225	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s in Environment 15; Drum drive distance [cycle]		O	O
750-572	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 0) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV0_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 0; Drum drive distance [cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-573	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 1) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV1_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 1; Drum drive distance [cycle]		O	O
750-574	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 2) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV2_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 2; Drum drive distance [cycle]		O	O
750-575	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 3) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV3_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 3; Drum drive distance [cycle]		O	O
750-576	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 4) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV4_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 4; Drum drive distance [cycle]		O	O
750-577	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 5) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV5_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 5; Drum drive distance [cycle]		O	O
750-578	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 6) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV6_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 6; Drum drive distance [cycle]		O	O
750-579	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 7) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV7_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 7; Drum drive distance [cycle]		O	O
750-580	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 8) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV8_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 8; Drum drive distance [cycle]		O	O
750-581	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 9) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV9_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 9; Drum drive distance [cycle]		O	O
750-582	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 10) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV10_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 10; Drum drive distance [cycle]		O	O
750-583	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 11) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV11_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 11; Drum drive distance [cycle]		O	O
750-584	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 12) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV12_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 12; Drum drive distance [cycle]		O	O
750-585	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 13) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV13_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 13; Drum drive distance [cycle]		O	O
750-586	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 14) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV14_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 14; Drum drive distance [cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-587	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Environment 15) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV15_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s in Environment 15; Drum drive distance [cycle]		O	O
750-588	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 0) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV0_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 0; Drum drive distance [cycle]		O	O
750-589	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 1) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV1_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 1; Drum drive distance [cycle]		O	O
750-590	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 2) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV2_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 2; Drum drive distance [cycle]		O	O
750-591	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 3) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV3_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 3; Drum drive distance [cycle]		O	O
750-592	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 4) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV4_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 4; Drum drive distance [cycle]		O	O
750-593	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 5) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV5_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 5; Drum drive distance [cycle]		O	O
750-594	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 6) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV6_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 6; Drum drive distance [cycle]		O	O
750-595	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 7) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV7_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 7; Drum drive distance [cycle]		O	O
750-596	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 8) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV8_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 8; Drum drive distance [cycle]		O	O
750-597	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 9) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV9_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 9; Drum drive distance [cycle]		O	O
750-598	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 10) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV10_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 10; Drum drive distance [cycle]		O	O
750-599	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 11) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV11_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 11; Drum drive distance [cycle]		O	O
750-600	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 12) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV12_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 12; Drum drive distance [cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-601	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 13) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV13_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 13; Drum drive distance [cycle]		O	O
750-602	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 14) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV14_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 14; Drum drive distance [cycle]		O	O
750-603	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Environment 15) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV15_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s in Environment 15; Drum drive distance [cycle]		O	O
750-604	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 0) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV0_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 0; Drum drive distance [cycle]		O	O
750-605	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 1) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV1_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 1; Drum drive distance [cycle]		O	O
750-606	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 2) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV2_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 2; Drum drive distance [cycle]		O	O
750-607	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 3) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV3_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 3; Drum drive distance [cycle]		O	O
750-608	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 4) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV4_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 4; Drum drive distance [cycle]		O	O
750-609	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 5) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV5_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 5; Drum drive distance [cycle]		O	O
750-610	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 6) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV6_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 6; Drum drive distance [cycle]		O	O
750-611	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 7) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV7_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 7; Drum drive distance [cycle]		O	O
750-612	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 8) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV8_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 8; Drum drive distance [cycle]		O	O
750-613	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 9) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV9_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 9; Drum drive distance [cycle]		O	O
750-614	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 10) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV10_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 10; Drum drive distance [cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-615	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 11) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV11_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 11; Drum drive distance [cycle]		O	O
750-616	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 12) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV12_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 12; Drum drive distance [cycle]		O	O
750-617	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 13) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV13_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 13; Drum drive distance [cycle]		O	O
750-618	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 14) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV14_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 14; Drum drive distance [cycle]		O	O
750-619	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Environment 15) LOW_AC_SKIP_BAND_Interval_YMC_TH_ENV15_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s in Environment 15; Drum drive distance [cycle]		O	O
750-620	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 0) LOW_AC_SKIP_BAND_Interval_K_TH_ENV0_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 0; Drum drive distance [cycle]		O	O
750-621	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 1) LOW_AC_SKIP_BAND_Interval_K_TH_ENV1_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 1; Drum drive distance [cycle]		O	O
750-622	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 2) LOW_AC_SKIP_BAND_Interval_K_TH_ENV2_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 2; Drum drive distance [cycle]		O	O
750-623	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 3) LOW_AC_SKIP_BAND_Interval_K_TH_ENV3_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 3; Drum drive distance [cycle]		O	O
750-624	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 4) LOW_AC_SKIP_BAND_Interval_K_TH_ENV4_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 4; Drum drive distance [cycle]		O	O
750-625	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 5) LOW_AC_SKIP_BAND_Interval_K_TH_ENV5_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 5; Drum drive distance [cycle]		O	O
750-626	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 6) LOW_AC_SKIP_BAND_Interval_K_TH_ENV6_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 6; Drum drive distance [cycle]		O	O
750-627	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 7) LOW_AC_SKIP_BAND_Interval_K_TH_ENV7_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 7; Drum drive distance [cycle]		O	O
750-628	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 8) LOW_AC_SKIP_BAND_Interval_K_TH_ENV8_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 8; Drum drive distance [cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-629	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 9) LOW_AC_SKIP_BAND_Interval_K_TH_ENV9_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 9; Drum drive distance [cycle]		O	O
750-630	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 10) LOW_AC_SKIP_BAND_Interval_K_TH_ENV10_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 10; Drum drive distance [cycle]		O	O
750-631	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 11) LOW_AC_SKIP_BAND_Interval_K_TH_ENV11_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 11; Drum drive distance [cycle]		O	O
750-632	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 12) LOW_AC_SKIP_BAND_Interval_K_TH_ENV12_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 12; Drum drive distance [cycle]		O	O
750-633	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 13) LOW_AC_SKIP_BAND_Interval_K_TH_ENV13_308	315	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 13; Drum drive distance [cycle]		O	O
750-634	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 14) LOW_AC_SKIP_BAND_Interval_K_TH_ENV14_308	315	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 14; Drum drive distance [cycle]		O	O
750-635	Low AC Skip Band K Execution Threshold Value (308 mm/s, Environment 15) LOW_AC_SKIP_BAND_Interval_K_TH_ENV15_308	315	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s in Environment 15; Drum drive distance [cycle]		O	O
750-636	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 0) LOW_AC_SKIP_BAND_Interval_K_TH_ENV0_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 0; Drum drive distance [cycle]		O	O
750-637	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 1) LOW_AC_SKIP_BAND_Interval_K_TH_ENV1_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 1; Drum drive distance [cycle]		O	O
750-638	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 2) LOW_AC_SKIP_BAND_Interval_K_TH_ENV2_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 2; Drum drive distance [cycle]		O	O
750-639	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 3) LOW_AC_SKIP_BAND_Interval_K_TH_ENV3_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 3; Drum drive distance [cycle]		O	O
750-640	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 4) LOW_AC_SKIP_BAND_Interval_K_TH_ENV4_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 4; Drum drive distance [cycle]		O	O
750-641	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 5) LOW_AC_SKIP_BAND_Interval_K_TH_ENV5_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 5; Drum drive distance [cycle]		O	O
750-642	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 6) LOW_AC_SKIP_BAND_Interval_K_TH_ENV6_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 6; Drum drive distance [cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-643	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 7) LOW_AC_SKIP_BAND_Interval_K_TH_ENV7_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 7; Drum drive distance [cycle]		O	O
750-644	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 8) LOW_AC_SKIP_BAND_Interval_K_TH_ENV8_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 8; Drum drive distance [cycle]		O	O
750-645	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 9) LOW_AC_SKIP_BAND_Interval_K_TH_ENV9_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 9; Drum drive distance [cycle]		O	O
750-646	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 10) LOW_AC_SKIP_BAND_Interval_K_TH_ENV10_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 10; Drum drive distance [cycle]		O	O
750-647	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 11) LOW_AC_SKIP_BAND_Interval_K_TH_ENV11_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 11; Drum drive distance [cycle]		O	O
750-648	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 12) LOW_AC_SKIP_BAND_Interval_K_TH_ENV12_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 12; Drum drive distance [cycle]		O	O
750-649	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 13) LOW_AC_SKIP_BAND_Interval_K_TH_ENV13_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 13; Drum drive distance [cycle]		O	O
750-650	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 14) LOW_AC_SKIP_BAND_Interval_K_TH_ENV14_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 14; Drum drive distance [cycle]		O	O
750-651	Low AC Skip Band K Execution Threshold Value (224 mm/s, Environment 15) LOW_AC_SKIP_BAND_Interval_K_TH_ENV15_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s in Environment 15; Drum drive distance [cycle]		O	O
750-652	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 0) LOW_AC_SKIP_BAND_Interval_K_TH_ENV0_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 0; Drum drive distance [cycle]		O	O
750-653	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 1) LOW_AC_SKIP_BAND_Interval_K_TH_ENV1_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 1; Drum drive distance [cycle]		O	O
750-654	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 2) LOW_AC_SKIP_BAND_Interval_K_TH_ENV2_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 2; Drum drive distance [cycle]		O	O
750-655	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 3) LOW_AC_SKIP_BAND_Interval_K_TH_ENV3_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 3; Drum drive distance [cycle]		O	O
750-656	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 4) LOW_AC_SKIP_BAND_Interval_K_TH_ENV4_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 4; Drum drive distance [cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-657	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 5) LOW_AC_SKIP_BAND_Interval_K_TH_ENV5_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 5; Drum drive distance [cycle]		O	O
750-658	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 6) LOW_AC_SKIP_BAND_Interval_K_TH_ENV6_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 6; Drum drive distance [cycle]		O	O
750-659	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 7) LOW_AC_SKIP_BAND_Interval_K_TH_ENV7_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 7; Drum drive distance [cycle]		O	O
750-660	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 8) LOW_AC_SKIP_BAND_Interval_K_TH_ENV8_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 8; Drum drive distance [cycle]		O	O
750-661	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 9) LOW_AC_SKIP_BAND_Interval_K_TH_ENV9_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 9; Drum drive distance [cycle]		O	O
750-662	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 10) LOW_AC_SKIP_BAND_Interval_K_TH_ENV10_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 10; Drum drive distance [cycle]		O	O
750-663	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 11) LOW_AC_SKIP_BAND_Interval_K_TH_ENV11_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 11; Drum drive distance [cycle]		O	O
750-664	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 12) LOW_AC_SKIP_BAND_Interval_K_TH_ENV12_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 12; Drum drive distance [cycle]		O	O
750-665	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 13) LOW_AC_SKIP_BAND_Interval_K_TH_ENV13_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 13; Drum drive distance [cycle]		O	O
750-666	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 14) LOW_AC_SKIP_BAND_Interval_K_TH_ENV14_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 14; Drum drive distance [cycle]		O	O
750-667	Low AC Skip Band K Execution Threshold Value (154 mm/s, Environment 15) LOW_AC_SKIP_BAND_Interval_K_TH_ENV15_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s in Environment 15; Drum drive distance [cycle]		O	O
750-668	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 0) LOW_AC_SKIP_BAND_Interval_K_TH_ENV0_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 0; Drum drive distance [cycle]		O	O
750-669	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 1) LOW_AC_SKIP_BAND_Interval_K_TH_ENV1_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 1; Drum drive distance [cycle]		O	O
750-670	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 2) LOW_AC_SKIP_BAND_Interval_K_TH_ENV2_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 2; Drum drive distance [cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-671	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 3) LOW_AC_SKIP_BAND_Interval_K_TH_ENV3_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 3; Drum drive distance [cycle]		O	O
750-672	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 4) LOW_AC_SKIP_BAND_Interval_K_TH_ENV4_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 4; Drum drive distance [cycle]		O	O
750-673	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 5) LOW_AC_SKIP_BAND_Interval_K_TH_ENV5_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 5; Drum drive distance [cycle]		O	O
750-674	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 6) LOW_AC_SKIP_BAND_Interval_K_TH_ENV6_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 6; Drum drive distance [cycle]		O	O
750-675	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 7) LOW_AC_SKIP_BAND_Interval_K_TH_ENV7_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 7; Drum drive distance [cycle]		O	O
750-676	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 8) LOW_AC_SKIP_BAND_Interval_K_TH_ENV8_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 8; Drum drive distance [cycle]		O	O
750-677	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 9) LOW_AC_SKIP_BAND_Interval_K_TH_ENV9_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 9; Drum drive distance [cycle]		O	O
750-678	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 10) LOW_AC_SKIP_BAND_Interval_K_TH_ENV10_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 10; Drum drive distance [cycle]		O	O
750-679	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 11) LOW_AC_SKIP_BAND_Interval_K_TH_ENV11_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 11; Drum drive distance [cycle]		O	O
750-680	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 12) LOW_AC_SKIP_BAND_Interval_K_TH_ENV12_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 12; Drum drive distance [cycle]		O	O
750-681	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 13) LOW_AC_SKIP_BAND_Interval_K_TH_ENV13_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 13; Drum drive distance [cycle]		O	O
750-682	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 14) LOW_AC_SKIP_BAND_Interval_K_TH_ENV14_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 14; Drum drive distance [cycle]		O	O
750-683	Low AC Skip Band K Execution Threshold Value (102 mm/s, Environment 15) LOW_AC_SKIP_BAND_Interval_K_TH_ENV15_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s in Environment 15; Drum drive distance [cycle]		O	O
750-684	Low AC Skip Band YMC Execution Threshold Value (308 mm/s, Fixed Value) LOW_AC_SKIP_BAND_Interval_YMC_TH_FIX_308	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 308 mm/s fixed condition; Drum drive distance [cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-685	Low AC Skip Band YMC Execution Threshold Value (224 mm/s, Fixed Value) LOW_AC_SKIP_BAND_Interval_YMC_TH_FIX_224	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 224 mm/s fixed condition; Drum drive distance [cycle]		O	O
750-686	Low AC Skip Band YMC Execution Threshold Value (154 mm/s, Fixed Value) LOW_AC_SKIP_BAND_Interval_YMC_TH_FIX_154	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 154 mm/s fixed condition; Drum drive distance [cycle]		O	O
750-687	Low AC Skip Band YMC Execution Threshold Value (102 mm/s, Fixed Value) LOW_AC_SKIP_BAND_Interval_YMC_TH_FIX_102	250	0	4294967295	Low AC Skip Band YMC execution threshold value at 102 mm/s fixed condition; Drum drive distance [cycle]		O	O
750-688	Low AC Skip Band K Execution Threshold Value (308 mm/s, Fixed Value) LOW_AC_SKIP_BAND_Interval_K_TH_FIX_308	350	0	4294967295	Low AC Skip Band K execution threshold value at 308 mm/s fixed condition; Drum drive distance [cycle]		O	O
750-689	Low AC Skip Band K Execution Threshold Value (224 mm/s, Fixed Value) LOW_AC_SKIP_BAND_Interval_K_TH_FIX_224	350	0	4294967295	Low AC Skip Band K execution threshold value at 224 mm/s fixed condition; Drum drive distance [cycle]		O	O
750-690	Low AC Skip Band K Execution Threshold Value (154 mm/s, Fixed Value) LOW_AC_SKIP_BAND_Interval_K_TH_FIX_154	350	0	4294967295	Low AC Skip Band K execution threshold value at 154 mm/s fixed condition; Drum drive distance [cycle]		O	O
750-691	Low AC Skip Band K Execution Threshold Value (102 mm/s, Fixed Value) LOW_AC_SKIP_BAND_Interval_K_TH_FIX_102	350	0	4294967295	Low AC Skip Band K execution threshold value at 102 mm/s fixed condition; Drum drive distance [cycle]		O	O
750-696	Low AC Skip Band YMC Control Judgment SW LOW_AC_SKIP_BAND_YMC_SW	1	0	1	YMC Low AC Skip Band control judgment SW (0: Do not control, 1: Control)		O	O
750-697	Low AC Skip Band K Control Judgment SW LOW_AC_SKIP_BAND_K_SW	1	0	1	K Low AC Skip Band control judgment SW (0: Do not control, 1: Control)		O	O
750-698	Low AC Skip Band Y Creation Judgment Cin Threshold Value LOW_AC_SKIP_BAND_Y_AC_TH	25	0	255	Low AC Skip Band Y Creation Judgment Cin [0.1%]		O	O
750-699	Low AC Skip Band M Creation Judgment Cin Threshold Value LOW_AC_SKIP_BAND_M_AC_TH	25	0	255	Low AC Skip Band M Creation Judgment Cin [0.1%]		O	O
750-700	Low AC Skip Band C Creation Judgment Cin Threshold Value LOW_AC_SKIP_BAND_C_AC_TH	25	0	255	Low AC Skip Band C Creation Judgment Cin [0.1%]		O	O
750-701	Low AC Skip Band K Creation Judgment Cin Threshold Value LOW_AC_SKIP_BAND_K_AC_TH	25	0	255	Low AC Skip Band K Creation Judgment Cin [0.1%]		O	O
750-702	Low AC Skip Band YMC Cin LOW_AC_SKIP_BAND_YMC_CIN	77	0	255	Low AC Skip Band YMC Cin [0.391%]		O	O
750-703	Low AC Skip Band K Cin LOW_AC_SKIP_BAND_K_CIN	77	0	255	Low AC Skip Band K Cin [0.391%]		O	O
750-704	Low AC Skip Band YMC Width LOW_AC_SKIP_BAND_YMC_WIDTH	30	1	45	Low AC Skip Band YMC width [mm]		O	O
750-705	Low AC Skip Band K Width LOW_AC_SKIP_BAND_K_WIDTH	30	1	45	Low AC Skip Band K width [mm]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-706	Low AC Skip Band Y Execution Count Y_LOW_AC_SKIP_BAND_COUNT	0	0	65535	Accumulated execution count after starting to use the Low AC Skip Band Y ERU. [times]		O	X
750-707	Low AC Skip Band M Execution Count M_LOW_AC_SKIP_BAND_COUNT	0	0	65535	Accumulated execution count after starting to use the Low AC Skip Band M ERU. [times]		O	X
750-708	Low AC Skip Band C Execution Count C_LOW_AC_SKIP_BAND_COUNT	0	0	65535	Accumulated execution count after starting to use the Low AC Skip Band C ERU. [times]		O	X
750-709	Low AC Skip Band K Execution Count K_LOW_AC_SKIP_BAND_COUNT	0	0	65535	Accumulated execution count after starting to use the Low AC Skip Band K ERU. [times]		O	X
750-712	AC Threshold Value for YMC Drum Drive Distance Reset	3	0	100	AC threshold value for YMC Drum drive distance reset [%]		O	O
750-713	AC Threshold Value for K Drum Drive Distance Reset	3	0	100	AC threshold value for K Drum drive distance reset [%]		O	O
750-714	Low AC Skip Band Write Prohibition Area	0	0	20000	Write prohibition area for Low AC Skip Band. Unit: 0.1 [mm]	0.1 mm	O	O
750-715	Xero Toner Blockage Prevention SW	1	0	1	A switch that determines whether to perform the Xero Toner Blockage Prevention operation. 0: Do not perform, 1: Perform		O	O
750-716	Xero Toner Blockage Prevention Disp Motor Accumulated Time Y	0	0	4294967295	When the Xero Toner Blockage Prevention SW is set to [Perform], this is the accumulated time that the Disp Motor Y has been driven [ms].		O	O
750-717	Xero Toner Blockage Prevention Disp Motor Accumulated Time M	0	0	4294967295	When the Xero Toner Blockage Prevention SW is set to [Perform], this is the accumulated time that the Disp Motor M has been driven [ms].		O	O
750-718	Xero Toner Blockage Prevention Disp Motor Accumulated Time C	0	0	4294967295	When the Xero Toner Blockage Prevention SW is set to [Perform], this is the accumulated time that the Disp Motor C has been driven [ms].		O	O
750-719	Xero Toner Blockage Prevention Disp Motor Accumulated Time K	0	0	4294967295	When the Xero Toner Blockage Prevention SW is set to [Perform], this is the accumulated time that the Disp Motor K has been driven [ms].		O	O
750-720	Xero Toner Blockage Prevention Disp Motor Accumulated Time Threshold Value Y	450	0	65535	The threshold value at which to perform the Xero Y Toner Blockage Prevention operation [s].		O	O
750-721	Xero Toner Blockage Prevention Disp Motor Accumulated Time Threshold Value M	450	0	65535	The threshold value at which to perform the Xero M Toner Blockage Prevention operation [s].		O	O
750-722	Xero Toner Blockage Prevention Disp Motor Accumulated Time Threshold Value C	450	0	65535	The threshold value at which to perform the Xero C Toner Blockage Prevention operation [s].		O	O
750-723	Xero Toner Blockage Prevention Disp Motor Accumulated Time Threshold Value K	450	0	65535	The threshold value at which to perform the Xero K Toner Blockage Prevention operation [s].		O	O
750-724	Xero Toner Blockage Prevention ICDC Entry Threshold Value Y	450	0	1000	The ICDC 64 panel average A/C threshold value at which to perform the Xero Y Toner Blockage Prevention operation [0.1%].		O	O
750-725	Xero Toner Blockage Prevention ICDC Entry Threshold Value M	450	0	1000	The ICDC 64 panel average A/C threshold value at which to perform the Xero M Toner Blockage Prevention operation [0.1%].		O	O
750-726	Xero Toner Blockage Prevention ICDC Entry Threshold Value C	450	0	1000	The ICDC 64 panel average A/C threshold value at which to perform the Xero C Toner Blockage Prevention operation [0.1%].		O	O
750-727	Xero Toner Blockage Prevention ICDC Entry Threshold Value K	450	0	1000	The ICDC 64 panel average A/C threshold value at which to perform the Xero K Toner Blockage Prevention operation [0.1%].		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
750-728	Deve Band Execution Total Count Y	0	0	255	The Band Total Count Y for the Deve Band and Decay/Roughness/BCO Band		O	O
750-729	Deve Band Execution Total Count M	0	0	255	The Band Total Count M for the Deve Band and Decay/Roughness/BCO Band		O	O
750-730	Deve Band Execution Total Count C	0	0	255	The Band Total Count C for the Deve Band and Decay/Roughness/BCO Band		O	O
750-731	Deve Band Execution Total Count K	0	0	255	The Band Total Count K for the Deve Band and Decay/Roughness/BCO Band		O	O
750-732	Xero Toner Blockage Prevention Deve Band Accumulated Count Threshold Value Y	5	0	255	The threshold value Y from Deve Band at which to perform the Toner Blockage Prevention operation.		O	O
750-733	Xero Toner Blockage Prevention Deve Band Accumulated Count Threshold Value M	5	0	255	The threshold value M from Deve Band at which to perform the Toner Blockage Prevention operation.		O	O
750-734	Xero Toner Blockage Prevention Deve Band Accumulated Count Threshold Value C	5	0	255	The threshold value C from Deve Band at which to perform the Toner Blockage Prevention operation.		O	O
750-735	Xero Toner Blockage Prevention Deve Band Accumulated Count Threshold Value K	5	0	255	The threshold value K from Deve Band at which to perform the Toner Blockage Prevention operation.		O	O
751-061	CC Wire K Current Value (#4_CC_I)	179	0	255	CC wire K current value. 0 = 0 MicroAmp, 255 = -1000 MicroAmp. -700 MicroAmp (Temporary).		O	O
751-076	[Component Control] BCR DC Y Output Value	586	0	1023	The BCR DC Y output value at Component Control. 0 = 0V, 1023 = -1200V.-700V (Temporary).		O	O
751-077	[Component Control] BCR DC M Output Value	586	0	1023	The BCR DC M output value at Component Control. 0 = 0V, 1023 = -1200V.-700V (Temporary).		O	O
751-078	[Component Control] BCR DC C Output Value	586	0	1023	The BCR DC C output value at Component Control. 0 = 0V, 1023 = -1200V.-700V (Temporary).		O	O
751-079	[Component Control] BCR AC Y Output Value	180	0	255	The BCR AC Y current settings value at Component Control. The output value is different depending on the frequency.		O	O
751-080	[Component Control] BCR AC M Output Value	180	0	255	The BCR AC M current settings value at Component Control. The output value is different depending on the frequency.		O	O
751-081	[Component Control] BCR AC C Output Value	180	0	255	The BCR AC C current settings value at Component Control. The output value is different depending on the frequency.		O	O
751-082	[Component Control] BCR AC Frequency	14594	12892	29205	The BCR AC frequency at Component Control. Divider Ratio		O	O
751-083	[Component Control] CC Grid K Voltage Value	579	0	853	The CC Grid K voltage value at Component Control.		O	O
751-084	[Component Control] CC Wire K Current Value	179	0	255	The CC Wire K current value at Component Control.		O	O
751-085	[Component Control] PCC DC K Output Value	128	0	255	The PCC DC output value at Component Control.		O	O
751-089	Drum Cycle Count Threshold Value (CYCLE_CLN_TH)	25	0	255	Drum cycle count threshold value. [100 cycle]		O	O
751-090	Pixel Count Threshold Value (PIXEL_CLN_TH)	15492	0	16777216	Pixel count threshold value. [100 (dot/65536) pixel]		O	O
751-091	CC Charge Time Count Threshold Value (CC_CLN_TH)	1300	0	4294967	CC charge time count threshold value. [1 s] = [1000 ms]		O	O
751-095	Pixel Count Threshold Value Adjustment Count	0	0	3	The number of times the Pixel Count threshold value was adjusted. [times]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-096	Drum Cycle Count Threshold Value Adjustment Count	0	0	3	The number of times the Drum Cycle count threshold value was adjusted. [times]		O	O
751-097	CC Charge Time Count Threshold Value Adjustment Count	0	0	3	The number of times the CC charge time count threshold value was adjusted. [times]		O	O
751-138	CC Cleaner Broken Flag (CC_CLN_BROKEN_FLAG)	-	0	1	This Flag detects whether CC Cleaner Broken has occurred (0: Has not occurred, 1: Has occurred)		X	O
751-159	Temperature Sensor Fail	0	0	1	0: Normal, 1: Fail occurred		O	O
751-160	Humidity Sensor Fail	0	0	1	0: Normal, 1: Fail occurred		O	O
751-161	Temperature Data (Temp_OUT)	0	-8	60	Temperature average value of 8 points, measured at every 1000 ms (Unit: 1 Degree C)	1 degree	O	X
751-162	Humidity Data (Hum_OUT)	0	0	107	Humidity average value of 8 points, measured at every 1000 ms (Unit: 1%)	1%	O	X
751-163	Temperature Sensor Fail Counter (Temp_Fail_CNTR)	0	0	65535	Temperature Sensor Fail Counter		O	O
751-164	Humidity Sensor Fail Counter (Hum_Fail_CNTR)	0	0	65535	Humidity Sensor Fail Counter		O	O
751-166	AC High Output Value at [308 mm/s] (Environment 0) (BCR_AC_I_HI_ENV0_308)	209	0	255	AC high output value at [308 mm/s]. (Environment 0)		O	O
751-167	AC High Output Value at [308 mm/s] (Environment 1) (BCR_AC_I_HI_ENV1_308)	209	0	255	AC high output value at [308 mm/s]. (Environment 1)		O	O
751-168	AC High Output Value at [308 mm/s] (Environment 2) (BCR_AC_I_HI_ENV2_308)	209	0	255	AC high output value at [308 mm/s]. (Environment 2)		O	O
751-169	AC High Output Value at [308 mm/s] (Environment 3) (BCR_AC_I_HI_ENV3_308)	206	0	255	AC high output value at [308 mm/s]. (Environment 3)		O	O
751-170	AC High Output Value at [308 mm/s] (Environment 4) (BCR_AC_I_HI_ENV4_308)	209	0	255	AC high output value at [308 mm/s]. (Environment 4)		O	O
751-171	AC High Output Value at [308 mm/s] (Environment 5) (BCR_AC_I_HI_ENV5_308)	206	0	255	AC high output value at [308 mm/s]. (Environment 5)		O	O
751-172	AC High Output Value at [308 mm/s] (Environment 6) (BCR_AC_I_HI_ENV6_308)	206	0	255	AC high output value at [308 mm/s]. (Environment 6)		O	O
751-173	AC High Output Value at [308 mm/s] (Environment 7) (BCR_AC_I_HI_ENV7_308)	206	0	255	AC high output value at [308 mm/s]. (Environment 7)		O	O
751-174	AC High Output Value at [308 mm/s] (Environment 8) (BCR_AC_I_HI_ENV8_308)	197	0	255	AC high output value at [308 mm/s]. (Environment 8)		O	O
751-175	AC High Output Value at [308 mm/s] (Environment 9) (BCR_AC_I_HI_ENV9_308)	197	0	255	AC high output value at [308 mm/s]. (Environment 9)		O	O
751-176	AC High Output Value at [308 mm/s] (Environment 10) (BCR_AC_I_HI_ENV10_308)	190	0	255	AC high output value at [308 mm/s]. (Environment 10)		O	O
751-177	AC High Output Value at [308 mm/s] (Environment 11) (BCR_AC_I_HI_ENV11_308)	190	0	255	AC high output value at [308 mm/s]. (Environment 11)		O	O
751-178	AC High Output Value at [308 mm/s] (Environment 12) (BCR_AC_I_HI_ENV12_308)	205	0	255	AC high output value at [308 mm/s]. (Environment 12)		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-179	AC High Output Value at [308 mm/s] (Environment 13) (BCR_AC_I_HI_ENV13_308)	205	0	255	AC high output value at [308 mm/s]. (Environment 13)		O	O
751-180	AC High Output Value at [308 mm/s] (Environment 14) (BCR_AC_I_HI_ENV14_308)	205	0	255	AC high output value at [308 mm/s]. (Environment 14)		O	O
751-181	AC High Output Value at [308 mm/s] (Environment 15) (BCR_AC_I_HI_ENV15_308)	205	0	255	AC high output value at [308 mm/s]. (Environment 15)		O	O
751-182	AC High Output Value at [224 mm/s] (Environment 0) (BCR_AC_I_HI_ENV0_224)	186	0	255	AC high output value at [224 mm/s]. (Environment 0)		O	O
751-183	AC High Output Value at [224 mm/s] (Environment 1) (BCR_AC_I_HI_ENV1_224)	176	0	255	AC high output value at [224 mm/s]. (Environment 1)		O	O
751-184	AC High Output Value at [224 mm/s] (Environment 2) (BCR_AC_I_HI_ENV2_224)	166	0	255	AC high output value at [224 mm/s]. (Environment 2)		O	O
751-185	AC High Output Value at [224 mm/s] (Environment 3) (BCR_AC_I_HI_ENV3_224)	156	0	255	AC high output value at [224 mm/s]. (Environment 3)		O	O
751-186	AC High Output Value at [224 mm/s] (Environment 4) (BCR_AC_I_HI_ENV4_224)	182	0	255	AC high output value at [224 mm/s]. (Environment 4)		O	O
751-187	AC High Output Value at [224 mm/s] (Environment 5) (BCR_AC_I_HI_ENV5_224)	180	0	255	AC high output value at [224 mm/s]. (Environment 5)		O	O
751-188	AC High Output Value at [224 mm/s] (Environment 6) (BCR_AC_I_HI_ENV6_224)	168	0	255	AC high output value at [224 mm/s]. (Environment 6)		O	O
751-189	AC High Output Value at [224 mm/s] (Environment 7) (BCR_AC_I_HI_ENV7_224)	159	0	255	AC high output value at [224 mm/s]. (Environment 7)		O	O
751-190	AC High Output Value at [224 mm/s] (Environment 8) (BCR_AC_I_HI_ENV8_224)	159	0	255	AC high output value at [224 mm/s]. (Environment 8)		O	O
751-191	AC High Output Value at [224 mm/s] (Environment 9) (BCR_AC_I_HI_ENV9_224)	159	0	255	AC high output value at [224 mm/s]. (Environment 9)		O	O
751-192	AC High Output Value at [224 mm/s] (Environment 10) (BCR_AC_I_HI_ENV10_224)	159	0	255	AC high output value at [224 mm/s]. (Environment 10)		O	O
751-193	AC High Output Value at [224 mm/s] (Environment 11) (BCR_AC_I_HI_ENV11_224)	159	0	255	AC high output value at [224 mm/s]. (Environment 11)		O	O
751-194	AC High Output Value at [224 mm/s] (Environment 12) (BCR_AC_I_HI_ENV12_224)	159	0	255	AC high output value at [224 mm/s]. (Environment 12)		O	O
751-195	AC High Output Value at [224 mm/s] (Environment 13) (BCR_AC_I_HI_ENV13_224)	159	0	255	AC high output value at [224 mm/s]. (Environment 13)		O	O
751-196	AC High Output Value at [224 mm/s] (Environment 14) (BCR_AC_I_HI_ENV14_224)	159	0	255	AC high output value at [224 mm/s]. (Environment 14)		O	O
751-197	AC High Output Value at [224 mm/s] (Environment 15) (BCR_AC_I_HI_ENV15_224)	159	0	255	AC high output value at [224 mm/s]. (Environment 15)		O	O
751-198	AC High Output Value at [154 mm/s] (Environment 0) (BCR_AC_I_HI_ENV0_154)	126	0	255	AC high output value at [154 mm/s]. (Environment 0)		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-199	AC High Output Value at [154 mm/s] (Environment 1) (BCR_AC_I_HI_ENV1_154)	119	0	255	AC high output value at [154 mm/s]. (Environment 1)		O	O
751-200	AC High Output Value at [154 mm/s] (Environment 2) (BCR_AC_I_HI_ENV2_154)	112	0	255	AC high output value at [154 mm/s]. (Environment 2)		O	O
751-201	AC High Output Value at [154 mm/s] (Environment 3) (BCR_AC_I_HI_ENV3_154)	112	0	255	AC high output value at [154 mm/s]. (Environment 3)		O	O
751-202	AC High Output Value at [154 mm/s] (Environment 4) (BCR_AC_I_HI_ENV4_154)	126	0	255	AC high output value at [154 mm/s]. (Environment 4)		O	O
751-203	AC High Output Value at [154 mm/s] (Environment 5) (BCR_AC_I_HI_ENV5_154)	121	0	255	AC high output value at [154 mm/s]. (Environment 5)		O	O
751-204	AC High Output Value at [154 mm/s] (Environment 6) (BCR_AC_I_HI_ENV6_154)	112	0	255	AC high output value at [154 mm/s]. (Environment 6)		O	O
751-205	AC High Output Value at [154 mm/s] (Environment 7) (BCR_AC_I_HI_ENV7_154)	112	0	255	AC high output value at [154 mm/s]. (Environment 7)		O	O
751-206	AC High Output Value at [154 mm/s] (Environment 8) (BCR_AC_I_HI_ENV8_154)	126	0	255	AC high output value at [154 mm/s]. (Environment 8)		O	O
751-207	AC High Output Value at [154 mm/s] (Environment 9) (BCR_AC_I_HI_ENV9_154)	121	0	255	AC high output value at [154 mm/s]. (Environment 9)		O	O
751-208	AC High Output Value at [154 mm/s] (Environment 10) (BCR_AC_I_HI_ENV10_154)	113	0	255	AC high output value at [154 mm/s]. (Environment 10)		O	O
751-209	AC High Output Value at [154 mm/s] (Environment 11) (BCR_AC_I_HI_ENV11_154)	113	0	255	AC high output value at [154 mm/s]. (Environment 11)		O	O
751-210	AC High Output Value at [154 mm/s] (Environment 12) (BCR_AC_I_HI_ENV12_154)	113	0	255	AC high output value at [154 mm/s]. (Environment 12)		O	O
751-211	AC High Output Value at [154 mm/s] (Environment 13) (BCR_AC_I_HI_ENV13_154)	113	0	255	AC high output value at [154 mm/s]. (Environment 13)		O	O
751-212	AC High Output Value at [154 mm/s] (Environment 14) (BCR_AC_I_HI_ENV14_154)	113	0	255	AC high output value at [154 mm/s]. (Environment 14)		O	O
751-213	AC High Output Value at [154 mm/s] (Environment 15) (BCR_AC_I_HI_ENV15_154)	113	0	255	AC high output value at [154 mm/s]. (Environment 15)		O	O
751-214	AC High Output Value at [102 mm/s] (Environment 0) (BCR_AC_I_HI_ENV0_102)	126	0	255	AC high output value at [102 mm/s]. (Environment 0)		O	O
751-215	AC High Output Value at [102 mm/s] (Environment 1) (BCR_AC_I_HI_ENV1_102)	119	0	255	AC high output value at [102 mm/s]. (Environment 1)		O	O
751-216	AC High Output Value at [102 mm/s] (Environment 2) (BCR_AC_I_HI_ENV2_102)	112	0	255	AC high output value at [102 mm/s]. (Environment 2)		O	O
751-217	AC High Output Value at [102 mm/s] (Environment 3) (BCR_AC_I_HI_ENV3_102)	112	0	255	AC high output value at [102 mm/s]. (Environment 3)		O	O
751-218	AC High Output Value at [102 mm/s] (Environment 4) (BCR_AC_I_HI_ENV4_102)	126	0	255	AC high output value at [102 mm/s]. (Environment 4)		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-219	AC High Output Value at [102 mm/s] (Environment 5) (BCR_AC_I_HI_ENV5_102)	121	0	255	AC high output value at [102 mm/s]. (Environment 5)		O	O
751-220	AC High Output Value at [102 mm/s] (Environment 6) (BCR_AC_I_HI_ENV6_102)	112	0	255	AC high output value at [102 mm/s]. (Environment 6)		O	O
751-221	AC High Output Value at [102 mm/s] (Environment 7) (BCR_AC_I_HI_ENV7_102)	112	0	255	AC high output value at [102 mm/s]. (Environment 7)		O	O
751-222	AC High Output Value at [102 mm/s] (Environment 8) (BCR_AC_I_HI_ENV8_102)	126	0	255	AC high output value at [102 mm/s]. (Environment 8)		O	O
751-223	AC High Output Value at [102 mm/s] (Environment 9) (BCR_AC_I_HI_ENV9_102)	121	0	255	AC high output value at [102 mm/s]. (Environment 9)		O	O
751-224	AC High Output Value at [102 mm/s] (Environment 10) (BCR_AC_I_HI_ENV10_102)	113	0	255	AC high output value at [102 mm/s]. (Environment 10)		O	O
751-225	AC High Output Value at [102 mm/s] (Environment 11) (BCR_AC_I_HI_ENV11_102)	113	0	255	AC high output value at [102 mm/s]. (Environment 11)		O	O
751-226	AC High Output Value at [102 mm/s] (Environment 12) (BCR_AC_I_HI_ENV12_102)	113	0	255	AC high output value at [102 mm/s]. (Environment 12)		O	O
751-227	AC High Output Value at [102 mm/s] (Environment 13) (BCR_AC_I_HI_ENV13_102)	113	0	255	AC high output value at [102 mm/s]. (Environment 13)		O	O
751-228	AC High Output Value at [102 mm/s] (Environment 14) (BCR_AC_I_HI_ENV14_102)	113	0	255	AC high output value at [102 mm/s]. (Environment 14)		O	O
751-229	AC High Output Value at [102 mm/s] (Environment 15) (BCR_AC_I_HI_ENV15_102)	113	0	255	AC high output value at [102 mm/s]. (Environment 15)		O	O
751-318	Current BCR AC Y High Output Settings Value (#1_BCR_AC_I_HI)	190	0	255	The current high output settings value of BCR AC Y.		O	O
751-319	Current BCR AC M High Output Settings Value (#2_BCR_AC_I_HI)	190	0	255	The current high output settings value of BCR AC M.		O	O
751-320	Current BCR AC C High Output Settings Value (#3_BCR_AC_I_HI)	190	0	255	The current high output settings value of BCR AC C.		O	O
751-321	Current BCR AC Y Low Output Settings Value (#1_BCR_AC_I_LOW)	180	0	255	The current low output settings value of BCR AC Y.		O	O
751-322	Current BCR AC M Low Output Settings Value (#2_BCR_AC_I_LOW)	180	0	255	The current low output settings value of BCR AC M.		O	O
751-323	Current BCR AC C Low Output Settings Value (#3_BCR_AC_I_LOW)	180	0	255	The current low output settings value of BCR AC C.		O	O
751-489	Drum Y Life Counter (#1_LIFE_COUNTER)	0	0	5000000	The Life Counter of Drum Y. (Number of Drum Cycle) [1 cycle]		O	O
751-490	Drum M Life Counter (#2_LIFE_COUNTER)	0	0	5000000	The Life Counter of Drum M. (Number of Drum Cycle) [1 cycle]		O	O
751-491	Drum C Life Counter (#3_LIFE_COUNTER)	0	0	5000000	The Life Counter of Drum C. (Number of Drum Cycle) [1 cycle]		O	O
751-492	Drum K Life Counter (#4_LIFE_COUNTER)	0	0	5000000	The Life Counter of Drum K. (Number of Drum Cycle) [1 cycle]		O	O
751-493	Drum Cartridge Y Life Threshold Value (#1_LIFE_SET_VALUE)	400000	50000	5000000	The Drum Cycle threshold value for determining the [Life End] of Drum Cartridge Y. [1 cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-494	Drum Cartridge M Life Threshold Value (#2_LIFE_SET_VALUE)	400000	50000	5000000	The Drum Cycle threshold value for determining the [Life End] of Drum Cartridge M. [1 cycle]		O	O
751-495	Drum Cartridge C Life Threshold Value (#3_LIFE_SET_VALUE)	400000	50000	5000000	The Drum Cycle threshold value for determining the [Life End] of Drum Cartridge C. [1 cycle]		O	O
751-496	Drum Cartridge K Life Threshold Value (#4_LIFE_SET_VALUE)	600000	50000	5000000	The Drum Cycle threshold value for determining the [Life End] of Drum Cartridge K. [1 cycle]		O	O
751-497	Drum Cartridge Y Dead Stop Threshold Value (#1_LIFE_DEAD_STOP)	500000	50000	5000000	The threshold value for determining the [Dead Stop] of Drum Cartridge Y. [1 cycle]		O	O
751-498	Drum Cartridge M Dead Stop Threshold Value (#2_LIFE_DEAD_STOP)	500000	50000	5000000	The threshold value for determining the [Dead Stop] after Life Over of Drum Cartridge M. [1 cycle]		O	O
751-499	Drum Cartridge C Dead Stop Threshold Value (#3_LIFE_DEAD_STOP)	500000	50000	5000000	The threshold value for determining the [Dead Stop] after Life Over of Drum Cartridge C. [1 cycle]		O	O
751-500	Drum Cartridge K Dead Stop Threshold Value (#4_LIFE_DEAD_STOP)	700000	50000	5000000	The threshold value for determining the [Dead Stop] after Life Over of Drum Cartridge K. [1 cycle]		O	O
751-501	Drum Cartridge YMC Pre Near Life Coefficient (LIFE_PRE_WARNING_YMC)	53000	0	65535	The coefficient for calculating the [Pre Near Life] threshold value of Drum Cartridge YMC. [1 cycle]		O	O
751-502	Drum Cartridge K Pre Near Life Coefficient (LIFE_PRE_WARNING_K)	58000	0	65535	The coefficient for calculating the [Pre Near Life] threshold value of Drum Cartridge K. [1 cycle]		O	O
751-503	Drum Cartridge YMC Near Life Coefficient (LIFE_WARNING_YMC)	40000	0	50000	The coefficient for calculating the [Near Life] threshold value of Drum Cartridge YMC. [1 cycle]		O	O
751-504	Drum Cartridge K Near Life Coefficient (LIFE_WARNING_K)	25000	0	50000	The coefficient for calculating the [Near Life] threshold value of Drum Cartridge K. [1 cycle]		O	O
751-505	Drum Life End Predicted Film Thickness (Y) (#1_LIFE_SET_VALUE_DRUM_THICK)	19000000	0	30000000	The Drum Life predicted film thickness for determining the [Life End] of Drum Cartridge Y [pm].		O	O
751-506	Drum Life End Predicted Film Thickness (M) (#2_LIFE_SET_VALUE_DRUM_THICK)	19000000	0	30000000	The Drum Life predicted film thickness for determining the [Life End] of Drum Cartridge M [pm].		O	O
751-507	Drum Life End Predicted Film Thickness (C) (#3_LIFE_SET_VALUE_DRUM_THICK)	19000000	0	30000000	The Drum Life predicted film thickness for determining the [Life End] of Drum Cartridge C [pm].		O	O
751-508	Drum Life End Predicted Film Thickness (K) (#4_LIFE_SET_VALUE_DRUM_THICK)	19000000	0	30000000	The Drum Life predicted film thickness for determining the [Life End] of Drum Cartridge K [pm].		O	O
751-509	Dead Stop Predicted Film Thickness (Y) (#1_LIFE_DEAD_STOP_DRUM_THICK)	17000000	0	30000000	The Drum Life predicted film thickness for determining the [Dead Stop] of Drum Cartridge Y [pm].		O	O
751-510	Dead Stop Predicted Film Thickness (M) (#2_LIFE_DEAD_STOP_DRUM_THICK)	17000000	0	30000000	The Drum Life predicted film thickness for determining the [Dead Stop] of Drum Cartridge M [pm].		O	O
751-511	Dead Stop Predicted Film Thickness (C) (#3_LIFE_DEAD_STOP_DRUM_THICK)	17000000	0	30000000	The Drum Life predicted film thickness for determining the [Dead Stop] of Drum Cartridge C [pm].		O	O
751-512	Dead Stop Predicted Film Thickness (K) (#4_LIFE_DEAD_STOP_DRUM_THICK)	17000000	0	30000000	The Drum Life predicted film thickness for determining the [Dead Stop] of Drum Cartridge K [pm].		O	O
751-513	Pre Near Life Predicted Film Thickness Coefficient (YMC) (LIFE_PRE_WARNING_YMC_DRUM_THICK)	-	0	5000000	Pre Near Life predicted film thickness coefficient (YMC) [pm]		X	O

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Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-514	Pre Near Life Predicted Film Thickness Coefficient (K) (LIFE_PRE_WARNING_K_DRUM_THICK)	-	0	5000000	Pre Near Life predicted film thickness coefficient (K) [pm]		X	O
751-515	Near Life Predicted Film Thickness Coefficient (YMC) (LIFE_WARNING_YMC_DRUM_THICK)	-	0	5000000	Near Life predicted film thickness coefficient (YMC) [pm]		X	O
751-516	Near Life Predicted Film Thickness Coefficient (K) (LIFE_WARNING_K_DRUM_THICK)	-	0	5000000	Near Life predicted film thickness coefficient (K) [pm]		X	O
751-517	Drum Cartridge Life Management Operation Selector SW (LIFE_CTRL_SW)	2	0	2	Drum Cartridge life management operation switch.0: Stop the MC when the life is reached. 1: Do not stop the MC and Print operation can continue when the life is reached. Stop the MC when the predicted film thickness is at the threshold value or lower. 2: Do not stop the MC and Print operation can continue when the life is reached. Print operation can continue regardless of the predicted film thickness.		O	O
751-518	Drum Y Total PV (#1_TOTAL_PV)	0	0	16777215	The Total Print number of sheets for Drum Y. [sheet]		O	O
751-519	Drum M Total PV (#2_TOTAL_PV)	0	0	16777215	The Total Print number of sheets for Drum M. [sheet]		O	O
751-520	Drum C Total PV (#3_TOTAL_PV)	0	0	16777215	The Total Print number of sheets for Drum C. [sheet]		O	O
751-521	Drum K Total PV (#4_TOTAL_PV)	0	0	16777215	The Total Print number of sheets for Drum K. [sheet]		O	O
751-537	CRUM Comm Fail Information	0	0	255	CRUM Comm Fail occurrence state. 0: Has not occurred, 1: Occurs with REQ_RX command, 2: Occurs with ATTRIB command, 3: Occurs with CSPWD command, 4: Occurs with the usual Read/Write command		O	O
751-538	Status Regi Information	0	0	255	The state of the Status Register at the occurrence of CRUM Comm Fail. This stores the contents of the Register at the occurrence. * However, the following states are excluded. When an internal data error occurs at the FIFO: 0xFF is stored. When the data length error occurs: 0xFE is stored (including when FIFOBL is more than 35)		O	O
751-539	CRUM ASIC Comm Fail Information	0	0	255	CRUM ASIC Comm Fail occurrence state. 0: Has not occurred, 1: WUP_REQ Busy Err, 2: REQ_RX Busy Err, 3: REQ_RX CRC Err, 4: ATTRIB Busy Err, 5: ATTRIB CRC Err, 6: CSPWD Busy Err, 7: CRPWD CRC Err, 8: RSB Busy Err, 9: RSB CRC Err, 10: RMB Busy Err, 11: RMB CRC Err, 12: WSB Busy Err, 13: WSB CRC Err, 14: SDA Line not released during I2C Write, 15: No I2C Write ACK, 16: No I2C Write ACK, 17: SDA Line not released during I2C Read, 18: No I2C Read ACK		O	O
751-540	CRUM Fail Reserve	0	0	255	CRUM Fail occurrence data backup.		O	O
751-544	Drum Damage State 1 Switch	1	0	1	A switch for selecting the State 1 display at Marking Drawer Interlock Open. 0: No warning display, 1: Drum Damage State/Low & Warning display		O	O
751-545	Drum Damage State 2 Switch	1	0	1	A switch for selecting the State 2 display at Marking Drawer Interlock Open. 0: No warning display, 1: Drum Damage State/High & Warning display		O	O

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Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-574	PCC DC Drum Cycle Correction Value 0 PCC_COUNT_DC_WEAR_0	100	0	1000	PCC DC output correction coefficient when the Drum Cycle count is below NVM (PCC_COUNT_DC_T1). [%]		O	O
751-575	PCC DC Drum Cycle Correction Value 1 PCC_COUNT_DC_WEAR_1	100	0	1000	PCC DC output correction coefficient when the Drum Cycle count is between NVM (PCC_COUNT_DC_T1) and NVM (PCC_COUNT_DC_T2). [%]		O	O
751-576	PCC DC Drum Cycle Correction Value 2 PCC_COUNT_DC_WEAR_2	100	0	1000	PCC DC output correction coefficient when the Drum Cycle count is between NVM (PCC_COUNT_DC_T2) and NVM (PCC_COUNT_DC_T3). [%]		O	O
751-577	PCC DC Drum Cycle Correction Value 3 PCC_COUNT_DC_WEAR_3	100	0	1000	PCC DC output correction coefficient when the Drum Cycle count is between NVM (PCC_COUNT_DC_T3) and NVM (PCC_COUNT_DC_T4). [%]		O	O
751-578	PCC DC Drum Cycle Correction Value 4 PCC_COUNT_DC_WEAR_4	100	0	1000	PCC DC output correction coefficient when the Drum Cycle count is between NVM (PCC_COUNT_DC_T4) and NVM (PCC_COUNT_DC_T5). [%]		O	O
751-579	PCC DC Drum Cycle Correction Value 5 PCC_COUNT_DC_WEAR_5	100	0	1000	PCC DC output correction coefficient when the Drum Cycle count is NVM (PCC_COUNT_DC_T5) or above. [%]		O	O
751-580	PCC DC Output Correction Judgment Cycle Count PCC_COUNT_DC_T1	100	0	2000	PCC DC output correction judgment cycle count. [kcycle]		O	O
751-581	PCC DC Output Correction Judgment Cycle Count PCC_COUNT_DC_T2	200	0	2000	PCC DC output correction judgment cycle count. [kcycle]		O	O
751-582	PCC DC Output Correction Judgment Cycle Count PCC_COUNT_DC_T3	300	0	2000	PCC DC output correction judgment cycle count. [kcycle]		O	O
751-583	PCC DC Output Correction Judgment Cycle Count PCC_COUNT_DC_T4	400	0	2000	PCC DC output correction judgment cycle count. [kcycle]		O	O
751-584	PCC DC Output Correction Judgment Cycle Count PCC_COUNT_DC_T5	500	0	2000	PCC DC output correction judgment cycle count. [kcycle]		O	O
751-585	PCC DC Environment Correction Value in Environment 0 PCC_ENV_DC_WEAR_0	100	0	1000	The PCC DC output correction coefficient when in Environment 0. [%]		O	O
751-586	PCC DC Environment Correction Value in Environment 1 PCC_ENV_DC_WEAR_1	100	0	1000	The PCC DC output correction coefficient when in Environment 1. [%]		O	O
751-587	PCC DC Environment Correction Value in Environment 2 PCC_ENV_DC_WEAR_2	100	0	1000	The PCC DC output correction coefficient when in Environment 2. [%]		O	O
751-588	PCC DC Environment Correction Value in Environment 3 PCC_ENV_DC_WEAR_3	100	0	1000	The PCC DC output correction coefficient when in Environment 3. [%]		O	O
751-589	PCC DC Environment Correction Value in Environment 4 PCC_ENV_DC_WEAR_4	100	0	1000	The PCC DC output correction coefficient when in Environment 4. [%]		O	O
751-590	PCC DC Environment Correction Value in Environment 5 PCC_ENV_DC_WEAR_5	100	0	1000	The PCC DC output correction coefficient when in Environment 5. [%]		O	O
751-591	PCC DC Environment Correction Value in Environment 6 PCC_ENV_DC_WEAR_6	100	0	1000	The PCC DC output correction coefficient when in Environment 6. [%]		O	O

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Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-592	PCC DC Environment Correction Value in Environment 7 PCC_ENV_DC_WEAR_7	100	0	1000	The PCC DC output correction coefficient when in Environment 7. [%]		O	O
751-593	PCC DC Environment Correction Value in Environment 8 PCC_ENV_DC_WEAR_8	100	0	1000	The PCC DC output correction coefficient when in Environment 8. [%]		O	O
751-594	PCC DC Environment Correction Value in Environment 9 PCC_ENV_DC_WEAR_9	100	0	1000	The PCC DC output correction coefficient when in Environment 9. [%]		O	O
751-595	PCC DC Environment Correction Value in Environment 10 PCC_ENV_DC_WEAR_10	100	0	1000	The PCC DC output correction coefficient when in Environment 10. [%]		O	O
751-596	PCC DC Environment Correction Value in Environment 11 PCC_ENV_DC_WEAR_11	100	0	1000	The PCC DC output correction coefficient when in Environment 11. [%]		O	O
751-597	PCC DC Environment Correction Value in Environment 12 PCC_ENV_DC_WEAR_12	100	0	1000	The PCC DC output correction coefficient when in Environment 12. [%]		O	O
751-598	PCC DC Environment Correction Value in Environment 13 PCC_ENV_DC_WEAR_13	100	0	1000	The PCC DC output correction coefficient when in Environment 13. [%]		O	O
751-599	PCC DC Environment Correction Value in Environment 14 PCC_ENV_DC_WEAR_14	100	0	1000	The PCC DC output correction coefficient when in Environment 14. [%]		O	O
751-600	PCC DC Environment Correction Value in Environment 15 PCC_ENV_DC_WEAR_15	100	0	1000	The PCC DC output correction coefficient when in Environment 15. [%]		O	O
751-602	PCC DC Cycle 1-2 Reduction Mode Definite Output Value PCC_DC_12_FIX	128	0	255	Definite output value in the PCC DC Cycle 1-2 reduction mode. 0 = 0 MicroAmp, 255 = -800 MicroAmp. -400 MicroAmp (Temporary).		O	O
751-603	PCC DC Transfer History Erase Mode Definite Output Value PCC_DC_PULS_FIX	128	0	255	Definite output value in the PCC DC transfer history erase mode. 0 = 0 MicroAmp, 255 = -800 MicroAmp. -400 MicroAmp (Temporary).		O	O
751-616	Deletion Recovery Operation Y Execution Count Y_DELETION_COUNT	0	0	65535	Accumulated execution count after starting to use the Deletion Recovery Operation Y ERU. [times]		O	O
751-617	Deletion Recovery Operation M Execution Count M_DELETION_COUNT	0	0	65535	Accumulated execution count after starting to use the Deletion Recovery Operation M ERU. [times]		O	O
751-618	Deletion Recovery Operation C Execution Count C_DELETION_COUNT	0	0	65535	Accumulated execution count after starting to use the Deletion Recovery Operation C ERU. [times]		O	O
751-619	Deletion Recovery Operation K Execution Count K_DELETION_COUNT	0	0	65535	Accumulated execution count after starting to use the Deletion Recovery Operation K ERU. [times]		O	O
751-620	Job Start Deletion Recovery Operation Control SW DRUM_DEL_START_SW	0	0	1	Job Start Deletion Recovery operation control SW (0: Do not perform, 1: Perform)		O	O
751-621	YMC Operation Stop Time STOPTIME_YMC	0	0	4294967295	YMC operation stop time		O	O
751-622	K Operation Stop Time STOPTIME_K	0	0	4294967295	K operation stop time		O	O
751-623	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 0 STOPTIME_YMC_ENV0	0	0	65535	YMC operation stop time threshold value in Environment 0. [Hour]		O	O
751-624	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 1 STOPTIME_YMC_ENV1	0	0	65535	YMC operation stop time threshold value in Environment 1. [Hour]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-625	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 2 STOPTIME_YMC_ENV2	0	0	65535	YMC operation stop time threshold value in Environment 2. [Hour]		O	O
751-626	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 3 STOPTIME_YMC_ENV3	0	0	65535	YMC operation stop time threshold value in Environment 3. [Hour]		O	O
751-627	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 4 STOPTIME_YMC_ENV4	0	0	65535	YMC operation stop time threshold value in Environment 4. [Hour]		O	O
751-628	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 5 STOPTIME_YMC_ENV5	0	0	65535	YMC operation stop time threshold value in Environment 5. [Hour]		O	O
751-629	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 6 STOPTIME_YMC_ENV6	0	0	65535	YMC operation stop time threshold value in Environment 6. [Hour]		O	O
751-630	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 7 STOPTIME_YMC_ENV7	0	0	65535	YMC operation stop time threshold value in Environment 7. [Hour]		O	O
751-631	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 8 STOPTIME_YMC_ENV8	0	0	65535	YMC operation stop time threshold value in Environment 8. [Hour]		O	O
751-632	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 9 STOPTIME_YMC_ENV9	0	0	65535	YMC operation stop time threshold value in Environment 9. [Hour]		O	O
751-633	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 10 STOPTIME_YMC_ENV10	0	0	65535	YMC operation stop time threshold value in Environment 10. [Hour]		O	O
751-634	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 11 STOPTIME_YMC_ENV11	0	0	65535	YMC operation stop time threshold value in Environment 11. [Hour]		O	O
751-635	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 12 STOPTIME_YMC_ENV12	0	0	65535	YMC operation stop time threshold value in Environment 12. [Hour]		O	O
751-636	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 13 STOPTIME_YMC_ENV13	0	0	65535	YMC operation stop time threshold value in Environment 13. [Hour]		O	O
751-637	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 14 STOPTIME_YMC_ENV14	0	0	65535	YMC operation stop time threshold value in Environment 14. [Hour]		O	O
751-638	Job Start Deletion Recovery Operation; YMC Operation Stop Time Threshold Value in Environment 15 STOPTIME_YMC_ENV15	0	0	65535	YMC operation stop time threshold value in Environment 15. [Hour]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-639	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 0 STOPTIME_K_ENV0	0	0	65535	K operation stop time threshold value in Environment 0. [Hour]		O	O
751-640	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 1 STOPTIME_K_ENV1	0	0	65535	K operation stop time threshold value in Environment 1. [Hour]		O	O
751-641	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 2 STOPTIME_K_ENV2	0	0	65535	K operation stop time threshold value in Environment 2. [Hour]		O	O
751-642	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 3 STOPTIME_K_ENV3	0	0	65535	K operation stop time threshold value in Environment 3. [Hour]		O	O
751-643	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 4 STOPTIME_K_ENV4	0	0	65535	K operation stop time threshold value in Environment 4. [Hour]		O	O
751-644	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 5 STOPTIME_K_ENV5	0	0	65535	K operation stop time threshold value in Environment 5. [Hour]		O	O
751-645	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 6 STOPTIME_K_ENV6	0	0	65535	K operation stop time threshold value in Environment 6. [Hour]		O	O
751-646	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 7 STOPTIME_K_ENV7	0	0	65535	K operation stop time threshold value in Environment 7. [Hour]		O	O
751-647	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 8 STOPTIME_K_ENV8	0	0	65535	K operation stop time threshold value in Environment 8. [Hour]		O	O
751-648	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 9 STOPTIME_K_ENV9	0	0	65535	K operation stop time threshold value in Environment 9. [Hour]		O	O
751-649	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 10 STOPTIME_K_ENV10	0	0	65535	K operation stop time threshold value in Environment 10. [Hour]		O	O
751-650	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 11 STOPTIME_K_ENV11	0	0	65535	K operation stop time threshold value in Environment 11. [Hour]		O	O
751-651	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 12 STOPTIME_K_ENV12	0	0	65535	K operation stop time threshold value in Environment 12. [Hour]		O	O
751-652	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 13 STOPTIME_K_ENV13	0	0	65535	K operation stop time threshold value in Environment 13. [Hour]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-653	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 14 STOPTIME_K_ENV14	0	0	65535	K operation stop time threshold value in Environment 14. [Hour]		O	O
751-654	Job Start Deletion Recovery Operation; K Operation Stop Time Threshold Value in Environment 15 STOPTIME_K_ENV15	0	0	65535	K operation stop time threshold value in Environment 15. [Hour]		O	O
751-655	Job Start Deletion Recovery Operation; Drum Empty Rotation Distance (308 mm/s) DEL_START_DISTANCE_308	50	0	120	Drum empty rotation time at 308 mm/s [s]		O	O
751-656	Job Start Deletion Recovery Operation; Drum Empty Rotation Distance (225 mm/s) DEL_START_DISTANCE_225	69	0	120	Drum empty rotation time at 224 mm/s [s]		O	O
751-657	Job Start Deletion Recovery Operation; Drum Empty Rotation Distance (154 mm/s) DEL_START_DISTANCE_154	100	0	120	Drum empty rotation time at 154 mm/s [s]		O	O
751-658	Job Start Deletion Recovery Operation; Drum Empty Rotation Distance (102 mm/s) DEL_START_DISTANCE_102	100	0	120	Drum empty rotation time at 102 mm/s [s]		O	O
751-659	Y Drum Drive Distance DRUM_DISTANCE_Y	0	0	4294967295	Drum drive distance when performing the previous YMC Deletion Recovery or when replacing the Drum. [cycle]		O	X
751-660	M Drum Drive Distance DRUM_DISTANCE_M	0	0	4294967295	Drum drive distance when performing the previous YMC Deletion Recovery or when replacing the Drum. [cycle]		O	X
751-661	C Drum Drive Distance DRUM_DISTANCE_C	0	0	4294967295	Drum drive distance when performing the previous YMC Deletion Recovery or when replacing the Drum. [cycle]		O	X
751-662	K Drum Drive Distance DRUM_DISTANCE_K	0	0	4294967295	Drum drive distance when performing the previous K Deletion Recovery or when replacing the Drum. [cycle]		O	X
751-663	YMC Operation Interval Threshold Value in Environment 0 SKIP_INTERVAL_YMC_ENV0	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 0. [cycle]		O	O
751-664	YMC Operation Interval Threshold Value in Environment 1 SKIP_INTERVAL_YMC_ENV1	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 1. [cycle]		O	O
751-665	YMC Operation Interval Threshold Value in Environment 2 SKIP_INTERVAL_YMC_ENV2	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 2. [cycle]		O	O
751-666	YMC Operation Interval Threshold Value in Environment 3 SKIP_INTERVAL_YMC_ENV3	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 3. [cycle]		O	O
751-667	YMC Operation Interval Threshold Value in Environment 4 SKIP_INTERVAL_YMC_ENV4	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 4. [cycle]		O	O
751-668	YMC Operation Interval Threshold Value in Environment 5 SKIP_INTERVAL_YMC_ENV5	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 5. [cycle]		O	O
751-669	YMC Operation Interval Threshold Value in Environment 6 SKIP_INTERVAL_YMC_ENV6	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 6. [cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-670	YMC Operation Interval Threshold Value in Environment 7 SKIP_INTERVAL_YMC_ENV7	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 7. [cycle]		O	O
751-671	YMC Operation Interval Threshold Value in Environment 8 SKIP_INTERVAL_YMC_ENV8	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 8. [cycle]		O	O
751-672	YMC Operation Interval Threshold Value in Environment 9 SKIP_INTERVAL_YMC_ENV9	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 9. [cycle]		O	O
751-673	YMC Operation Interval Threshold Value in Environment 10 SKIP_INTERVAL_YMC_ENV10	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 10. [cycle]		O	O
751-674	YMC Operation Interval Threshold Value in Environment 11 SKIP_INTERVAL_YMC_ENV11	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 11. [cycle]		O	O
751-675	YMC Operation Interval Threshold Value in Environment 12 SKIP_INTERVAL_YMC_ENV12	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 12. [cycle]		O	O
751-676	YMC Operation Interval Threshold Value in Environment 13 SKIP_INTERVAL_YMC_ENV13	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 13. [cycle]		O	O
751-677	YMC Operation Interval Threshold Value in Environment 14 SKIP_INTERVAL_YMC_ENV14	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 14. [cycle]		O	O
751-678	YMC Operation Interval Threshold Value in Environment 15 SKIP_INTERVAL_YMC_ENV15	0	0	4294967295	Drum drive distance for the YMC operation interval threshold value in Environment 15. [cycle]		O	O
751-679	K Operation Interval Threshold Value in Environment 0 SKIP_INTERVAL_K_ENV0	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 0. [cycle]		O	O
751-680	K Operation Interval Threshold Value in Environment 1 SKIP_INTERVAL_K_ENV1	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 1. [cycle]		O	O
751-681	K Operation Interval Threshold Value in Environment 2 SKIP_INTERVAL_K_ENV2	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 2. [cycle]		O	O
751-682	K Operation Interval Threshold Value in Environment 3 SKIP_INTERVAL_K_ENV3	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 3. [cycle]		O	O
751-683	K Operation Interval Threshold Value in Environment 4 SKIP_INTERVAL_K_ENV4	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 4. [cycle]		O	O
751-684	K Operation Interval Threshold Value in Environment 5 SKIP_INTERVAL_K_ENV5	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 5. [cycle]		O	O
751-685	K Operation Interval Threshold Value in Environment 6 SKIP_INTERVAL_K_ENV6	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 6. [cycle]		O	O
751-686	K Operation Interval Threshold Value in Environment 7 SKIP_INTERVAL_K_ENV7	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 7. [cycle]		O	O
751-687	K Operation Interval Threshold Value in Environment 8 SKIP_INTERVAL_K_ENV8	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 8. [cycle]		O	O
751-688	K Operation Interval Threshold Value in Environment 9 SKIP_INTERVAL_K_ENV9	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 9. [cycle]		O	O
751-689	K Operation Interval Threshold Value in Environment 10 SKIP_INTERVAL_K_ENV10	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 10. [cycle]		O	O

Table 1 NVM 750, 751 Xero/Clean List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
751-690	K Operation Interval Threshold Value in Environment 11 SKIP_INTERVAL_K_ENV11	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 11. [cycle]		O	O
751-691	K Operation Interval Threshold Value in Environment 12 SKIP_INTERVAL_K_ENV12	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 12. [cycle]		O	O
751-692	K Operation Interval Threshold Value in Environment 13 SKIP_INTERVAL_K_ENV13	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 13. [cycle]		O	O
751-693	K Operation Interval Threshold Value in Environment 14 SKIP_INTERVAL_K_ENV14	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 14. [cycle]		O	O
751-694	K Operation Interval Threshold Value in Environment 15 SKIP_INTERVAL_K_ENV15	0	0	4294967295	Drum drive distance for the K operation interval threshold value in Environment 15. [cycle]		O	O
751-700	Temperature and Humidity Fail Count Threshold Value	100	0	65535	Temperature and humidity fail count threshold value		O	O

6.3.22 NVM 752 to 756 Process Control List

Table 1 NVM 752 to 756 Process Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
752-001	Disp Control SW [YMC]	1	0	2	Switches the YMC toner supply control mode. 0: Timer toner supply, 1: PCON toner supply, 2: ICDC toner supply		O	O
752-002	Disp Control SW [K]	1	0	2	Switches the K toner supply control mode. 0: Timer toner supply, 1: PCON toner supply, 2: ICDC toner supply		O	O
752-163	ADC_Vdark	0	0	1023	ADC Dark Current Output		O	O
752-164	ADC_Vref	0	0	1023	ADC Reference Board Output		O	O
752-165	ADC_Diffusion Vcln	0	0	1023	ADC Diffusion Vclean Output		O	O
752-166	ADC_Mirror Vcln	0	0	1023	ADC Mirror Vclean Output		O	O
752-176	ADC Shutter Open_Fail Counter	0	0	65535	ADC Shutter Open_Fail Counter		O	O
752-177	ADC Shutter Close_Fail Counter	0	0	65535	ADC Shutter Close_Fail Counter		O	O
752-178	ADC Shutter Close_Fail	0	0	1	ADC Shutter Close_Fail		O	O
752-179	ADC Shutter Open_Fail	0	0	1	ADC Shutter Open_Fail		O	O
752-180	ADC Sensor Fail Counter	0	0	65535	ADC Sensor Fail Counter		O	O
752-181	ADC Sensor Fail	0	0	1	ADC Sensor Fail		O	O
752-182	ADC Patch Fail [Y]	0	0	1	ADC Patch Fail		O	O
752-183	ADC Patch Fail [M]	0	0	1	ADC Patch Fail		O	O
752-184	ADC Patch Fail [C]	0	0	1	ADC Patch Fail		O	O
752-185	ADC Patch Fail [K]	0	0	1	ADC Patch Fail		O	O
752-186	ADC Patch Fail Counter [Y]	0	0	65535	ADC Patch Fail Counter		O	O
752-187	ADC Patch Fail Counter [M]	0	0	65535	ADC Patch Fail Counter		O	O
752-188	ADC Patch Fail Counter [C]	0	0	65535	ADC Patch Fail Counter		O	O
752-189	ADC Patch Fail Counter [K]	0	0	65535	ADC Patch Fail Counter		O	O
752-190	ADC_MiniSetup_Fail Counter [Y]	0	0	65535	Min 1, 2 patch output difference Fail counter during MiniSetup		O	O
752-191	ADC_MiniSetup_Fail Counter [M]	0	0	65535	Min 1, 2 patch output difference Fail counter during MiniSetup		O	O
752-192	ADC_MiniSetup_Fail Counter [C]	0	0	65535	Min 1, 2 patch output difference Fail counter during MiniSetup		O	O
752-193	ADC_MiniSetup_Fail Counter [K]	0	0	65535	Min 1, 2 patch output difference Fail counter during MiniSetup		O	O
752-195	ADC_MiniSetup_Fail [Y]	0	0	1	Min 1, 2 patch output difference Fail during MiniSetup		O	O
752-196	ADC_MiniSetup_Fail [M]	0	0	1	Min 1, 2 patch output difference Fail during MiniSetup		O	O
752-197	ADC_MiniSetup_Fail [C]	0	0	1	Min 1, 2 patch output difference Fail during MiniSetup		O	O
752-198	ADC_MiniSetup_Fail [K]	0	0	1	Min 1, 2 patch output difference Fail during MiniSetup		O	O
752-336	Temperature Sensor Value	0	0	1023	The value read by the Temperature Sensor (Unit: A/D value)	A/D value	O	O
752-337	Humidity Sensor Value	0	0	1023	The value read by the Humidity Sensor (Unit: A/D value)	A/D value	O	O
752-338	Temperature	0	-8	60	Temperature average value of 8 points, measured at every 1000 ms (Unit: 1 Degree C)	1 degree	O	O

Table 1 NVM 752 to 756 Process Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
752-339	Humidity	0	0	107	Humidity average value of 8 points, measured at every 1000 ms (Unit: 1%)	1%	O	O
752-342	Temperature Sensor Fail	0	0	1	0: Normal, 1: Upper Limit Fail occurred		O	O
752-343	Humidity Sensor Fail	0	0	1	0: Normal, 1: Upper Limit Fail occurred		O	O
752-344	Temperature Sensor Fail Count	0	0	65535	Temperature Sensor Fail Counter		O	O
752-345	Humidity Sensor Fail Count	0	0	65535	Humidity Sensor Fail Counter		O	O
752-354	Temperature Sensor Fail Upper Limit Value	896	0	1023	The Temperature Upper Limit Value for determining whether the Temperature Sensor has a Fail (Unit: A/D value)	A/D value	O	O
752-355	Temperature Sensor Fail Lower Limit Value	140	0	1023	The Temperature Lower Limit Value for determining whether the Temperature Sensor has a Fail (Unit: A/D value)	A/D value	O	O
752-356	Humidity Sensor Fail Upper Limit Value	630	0	1023	The Humidity Upper Limit Value for determining whether the Humidity Sensor has a Fail (Unit: A/D value)	A/D value	O	O
752-357	Humidity Sensor Fail Lower Limit Value	30	0	1023	The Humidity Lower Limit Value for determining whether the Humidity Sensor has a Fail (Unit: A/D value)	A/D value	O	O
752-363	ATC Average Value [Y]	0	0	1023	ATC Average Value Y (Unit: A/D value)	A/D value	O	O
752-364	ATC Average Value [M]	0	0	1023	ATC Average Value M (Unit: A/D value)	A/D value	O	O
752-365	ATC Average Value [C]	0	0	1023	ATC Average Value C (Unit: A/D value)	A/D value	O	O
752-366	ATC Average Value [K]	0	0	1023	ATC Average Value K (Unit: A/D value)	A/D value	O	O
752-367	ATC Amplitude [Y]	0	0	1023	ATC Output Amplitude Y (Unit: A/D value)	A/D value	O	O
752-368	ATC Amplitude [M]	0	0	1023	ATC Output Amplitude M (Unit: A/D value)	A/D value	O	O
752-369	ATC Amplitude [C]	0	0	1023	ATC Output Amplitude C (Unit: A/D value)	A/D value	O	O
752-370	ATC Amplitude [K]	0	0	1023	ATC Output Amplitude K (Unit: A/D value)	A/D value	O	O
752-371	ATC Average Fail [Y]	0	0	1	ATC Output Fail Y _ 0: Normal, 1: Large output		O	O
752-372	ATC Average Fail [M]	0	0	1	ATC Output Fail M _ 0: Normal, 1: Large output		O	O
752-373	ATC Average Fail [C]	0	0	1	ATC Output Fail C _ 0: Normal, 1: Large output		O	O
752-374	ATC Average Fail [K]	0	0	1	ATC Output Fail K _ 0: Normal, 1: Large output		O	O
752-375	ATC Amplitude Fail [Y]	0	0	1	ATC Output Amplitude Fail Y _ 0: Normal, 1: Amplitude is too small		O	O
752-376	ATC Amplitude Fail [M]	0	0	1	ATC Output Amplitude Fail M _ 0: Normal, 1: Amplitude is too small		O	O
752-377	ATC Amplitude Fail [C]	0	0	1	ATC Output Amplitude Fail C _ 0: Normal, 1: Amplitude is too small		O	O
752-378	ATC Amplitude Fail [K]	0	0	1	ATC Output Amplitude Fail K _ 0: Normal, 1: Amplitude is too small		O	O
752-379	ATC Average Fail Count [Y]	0	0	65535	ATC Output Fail Counter Y		O	O
752-380	ATC Average Fail Count [M]	0	0	65535	ATC Output Fail Counter M		O	O

Table 1 NVM 752 to 756 Process Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
752-381	ATC Average Fail Count [C]	0	0	65535	ATC Output Fail Counter C		O	O
752-382	ATC Average Fail Count [K]	0	0	65535	ATC Output Fail Counter K		O	O
752-383	ATC Amplitude Fail Count [Y]	0	0	65535	ATC Output Amplitude Fail Counter Y		O	O
752-384	ATC Amplitude Fail Count [M]	0	0	65535	ATC Output Amplitude Fail Counter M		O	O
752-385	ATC Amplitude Fail Count [C]	0	0	65535	ATC Output Amplitude Fail Counter C		O	O
752-386	ATC Amplitude Fail Count [K]	0	0	65535	ATC Output Amplitude Fail Counter K		O	O
752-411	ATC Average Sensitivity Adjustment Coefficient [Y]	1024	0	3999	The skew for sensor individual difference correction in ATC Setup		O	O
752-412	ATC Average Sensitivity Adjustment Coefficient [M]	1024	0	3999	The skew for sensor individual difference correction in ATC Setup		O	O
752-413	ATC Average Sensitivity Adjustment Coefficient [C]	1024	0	3999	The skew for sensor individual difference correction in ATC Setup		O	O
752-414	ATC Average Sensitivity Adjustment Coefficient [K]	1024	0	3999	The skew for sensor individual difference correction in ATC Setup		O	O
752-415	ATC Average Sensitivity Adjustment Offset [Y]	0	-4096	4095	The offset amount for sensor individual difference correction in ATC Setup		O	O
752-416	ATC Average Sensitivity Adjustment Offset [M]	0	-4096	4095	The offset amount for sensor individual difference correction in ATC Setup		O	O
752-417	ATC Average Sensitivity Adjustment Offset [C]	0	-4096	4095	The offset amount for sensor individual difference correction in ATC Setup		O	O
752-418	ATC Average Sensitivity Adjustment Offset [K]	0	-4096	4095	The offset amount for sensor individual difference correction in ATC Setup		O	O
752-481	ATC_2 Weighted Average Value [Y]	0	0	1023	ATC_2 Weighted Average Value [Y] (Unit: A/D value)	A/D value	O	O
752-482	ATC_2 Weighted Average Value [M]	0	0	1023	ATC_2 Weighted Average Value [M] (Unit: A/D value)	A/D value	O	O
752-483	ATC_2 Weighted Average Value [C]	0	0	1023	ATC_2 Weighted Average Value [C] (Unit: A/D value)	A/D value	O	O
752-484	ATC_2 Weighted Average Value [K]	0	0	1023	ATC_2 Weighted Average Value [K] (Unit: A/D value)	A/D value	O	O
752-485	Delta ATC_Target Difference [Y]	0	-1024	1023	The difference between the ATC_2 weighted average and the target value Y (Unit: A/D value)	A/D value	O	O
752-486	Delta ATC_Target Difference [M]	0	-1024	1023	The difference between the ATC_2 weighted average and the target value M (Unit: A/D value)	A/D value	O	O
752-487	Delta ATC_Target Difference [C]	0	-1024	1023	The difference between the ATC_2 weighted average and the target value C (Unit: A/D value)	A/D value	O	O
752-488	Delta ATC_Target Difference [K]	0	-1024	1023	The difference between the ATC_2 weighted average and the target value K (Unit: A/D value)	A/D value	O	O
752-708	Delta RADC Target Manual Correction Amount [L1] [Y]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-709	Delta RADC Target Manual Correction Amount [L1] [M]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-710	Delta RADC Target Manual Correction Amount [L1] [C]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O

Table 1 NVM 752 to 756 Process Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
752-711	Delta RADC Target Manual Correction Amount [L1] [K]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-712	Delta RADC Target Manual Correction Amount [L2] [Y]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-713	Delta RADC Target Manual Correction Amount [L2] [M]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-714	Delta RADC Target Manual Correction Amount [L2] [C]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-715	Delta RADC Target Manual Correction Amount [L2] [K]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-716	Delta RADC Target Manual Correction Amount [L3] [Y]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-717	Delta RADC Target Manual Correction Amount [L3] [M]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-718	Delta RADC Target Manual Correction Amount [L3] [C]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-719	Delta RADC Target Manual Correction Amount [L3] [K]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-720	Delta RADC Target Manual Correction Amount [L4] [Y]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-721	Delta RADC Target Manual Correction Amount [L4] [M]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-722	Delta RADC Target Manual Correction Amount [L4] [C]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-724	Delta RADC Target Manual Correction Amount [M] [Y]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-725	Delta RADC Target Manual Correction Amount [M] [M]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-726	Delta RADC Target Manual Correction Amount [M] [C]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-727	Delta RADC Target Manual Correction Amount [M] [K]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-728	Delta RADC Target Manual Correction Amount [H] [Y]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-729	Delta RADC Target Manual Correction Amount [H] [M]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-730	Delta RADC Target Manual Correction Amount [H] [C]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O
752-731	Delta RADC Target Manual Correction Amount [H] [K]	0	-1024	1023	The manual correction amount for RADC Target Value		O	O

Table 1 NVM 752 to 756 Process Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
752-956	Maximum Temperature History	-8	-8	60	The history of maximum machine temperature (Unit: 1 degree)	1 degree	O	O
752-957	Minimum Temperature History	60	-8	60	The history of minimum machine temperature (Unit: 1 degree)	1 degree	O	O
752-958	Maximum Humidity History	0	0	107	The history of maximum machine humidity (Unit: 1%)	1%	O	O
752-959	Minimum Humidity History	107	0	107	The history of minimum machine humidity (Unit: 1%)	1%	O	O
753-001	ATC Reference Target Value [Y]	580	0	1023	ATC reference target value		O	O
753-002	ATC Reference Target Value [M]	580	0	1023	ATC reference target value		O	O
753-003	ATC Reference Target Value [C]	580	0	1023	ATC reference target value		O	O
753-004	ATC Reference Target Value [K]	580	0	1023	ATC reference target value		O	O
753-005	ATC Correction Target Value [Y]	580	0	1023	ATC Correction Target Value Y (Unit: A/D value)	A/D value	O	O
753-006	ATC Correction Target Value [M]	580	0	1023	ATC Correction Target Value M (Unit: A/D value)	A/D value	O	O
753-007	ATC Correction Target Value [C]	580	0	1023	ATC Correction Target Value C (Unit: A/D value)	A/D value	O	O
753-008	ATC Correction Target Value [K]	580	0	1023	ATC Correction Target Value K (Unit: A/D value)	A/D value	O	O
753-021	Delta ATC Target All Correction SW	1	0	1	The ATC target overall correction switch _0: Correction OFF, 1: Correction ON		O	O
753-070	Delta ATC Target Manual Correction Amount [Y]	0	-1024	1023	ATC target manual correction amount		O	O
753-071	Delta ATC Target Manual Correction Amount [M]	0	-1024	1023	ATC target manual correction amount		O	O
753-072	Delta ATC Target Manual Correction Amount [C]	0	-1024	1023	ATC target manual correction amount		O	O
753-073	Delta ATC Target Manual Correction Amount [K]	0	-1024	1023	ATC target manual correction amount		O	O
753-104	Disp Request Time_Timer [Y]	50	0	10000	Toner supply request time by Timer Control (Unit: 1 ms)	1 ms	O	O
753-105	Disp Request Time_Timer [M]	50	0	10000	Toner supply request time by Timer Control (Unit: 1 ms)	1 ms	O	O
753-106	Disp Request Time_Timer [C]	50	0	10000	Toner supply request time by Timer Control (Unit: 1 ms)	1 ms	O	O
753-107	Disp Request Time_Timer [K]	50	0	10000	Toner supply request time by Timer Control (Unit: 1 ms)	1 ms	O	O
753-852	ADC LUT Control Switch	0	0	1	The control switch for ProCon-LUT. (0: ProCon-LUT Through OFF, 1: ProCon-LUT Through ON)		O	O
753-854	Manual LUT Adjustment Value [L] [Y]	0	-128	127	Manual adjustment amount for LUT in Low density area [Y]		O	O
753-855	Manual LUT Adjustment Value [L] [M]	0	-128	127	Manual adjustment amount for LUT in Low density area [M]		O	O
753-856	Manual LUT Adjustment Value [L] [C]	0	-128	127	Manual adjustment amount for LUT in Low density area [C]		O	O
753-857	Manual LUT Adjustment Value [L] [K]	0	-128	127	Manual adjustment amount for LUT in Low density area [K]		O	O
753-858	Manual LUT Adjustment Value [M] [Y]	0	-128	127	Manual adjustment amount for LUT in Mid density area [Y]		O	O
753-859	Manual LUT Adjustment Value [M] [M]	0	-128	127	Manual adjustment amount for LUT in Mid density area [M]		O	O
753-860	Manual LUT Adjustment Value [M] [C]	0	-128	127	Manual adjustment amount for LUT in Mid density area [C]		O	O
753-861	Manual LUT Adjustment Value [M] [K]	0	-128	127	Manual adjustment amount for LUT in Mid density area [K]		O	O
753-862	Manual LUT Adjustment Value [H] [Y]	0	-128	127	Manual adjustment amount for LUT in Hi density area [Y]		O	O
753-863	Manual LUT Adjustment Value [H] [M]	0	-128	127	Manual adjustment amount for LUT in Hi density area [M]		O	O

Table 1 NVM 752 to 756 Process Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
753-864	Manual LUT Adjustment Value [H] [C]	0	-128	127	Manual adjustment amount for LUT in Hi density area [C]		○	○
753-865	Manual LUT Adjustment Value [H] [K]	0	-128	127	Manual adjustment amount for LUT in Hi density area [K]		○	○
754-001	Potential Control SW	1	0	2	Switches the potential control mode. 0: Fixed potential, 1: PCON potential, 2: Standard potential		○	○
754-002	BCR_DC_OUT [Y]	607	0	1023	BCR_DC_OUT (0 to 1023: 0 to -1200V)		○	○
754-003	BCR_DC_OUT [M]	607	0	1023	BCR_DC_OUT (0 to 1023: 0 to -1200V)		○	○
754-004	BCR_DC_OUT [C]	607	0	1023	BCR_DC_OUT (0 to 1023: 0 to -1200V)		○	○
754-005	VG_OUT [K]	608	0	853	VG_OUT (0 to 853: 0 to -1000V)		○	○
754-006	BIAS_DC_OUT [Y]	469	0	639	Deve_BIAS_DC_OUT (0 to 639: 0 to -750V)		○	○
754-007	BIAS_DC_OUT [M]	469	0	639	Deve_BIAS_DC_OUT (0 to 639: 0 to -750V)		○	○
754-008	BIAS_DC_OUT [C]	469	0	639	Deve_BIAS_DC_OUT (0 to 639: 0 to -750V)		○	○
754-009	BIAS_DC_OUT [K]	512	0	639	Deve_BIAS_DC_OUT (0 to 639: 0 to -750V)		○	○
754-010	LD_OUT [Y]	598	0	1023	LD_OUT		○	○
754-011	LD_OUT [M]	598	0	1023	LD_OUT		○	○
754-012	LD_OUT [C]	598	0	1023	LD_OUT		○	○
754-013	LD_OUT [K]	572	0	1023	LD_OUT		○	○
754-014	BCR_DC_OUT_Fixed [Y] [PS308]	607	0	1023	Fixed potential mode BCR_DC_OUT, BCR_DC_OUT_Fixed [Y] [PS320]		○	○
754-015	BCR_DC_OUT_Fixed [Y] [PS224]	605	0	1023	Fixed potential mode BCR_DC_OUT		○	○
754-016	BCR_DC_OUT_Fixed [Y] [PS154]	605	0	1023	Fixed potential mode BCR_DC_OUT		○	○
754-017	BCR_DC_OUT_Fixed [Y] [PS102]	605	0	1023	Fixed potential mode BCR_DC_OUT		○	○
754-018	BCR_DC_OUT_Fixed [M] [PS308]	607	0	1023	Fixed potential mode BCR_DC_OUT, BCR_DC_OUT_Fixed [M] [PS320]		○	○
754-019	BCR_DC_OUT_Fixed [M] [PS224]	605	0	1023	Fixed potential mode BCR_DC_OUT		○	○
754-020	BCR_DC_OUT_Fixed [M] [PS154]	605	0	1023	Fixed potential mode BCR_DC_OUT		○	○
754-021	BCR_DC_OUT_Fixed [M] [PS102]	605	0	1023	Fixed potential mode BCR_DC_OUT		○	○
754-022	BCR_DC_OUT_Fixed [C] [PS308]	607	0	1023	Fixed potential mode BCR_DC_OUT, BCR_DC_OUT_Fixed [C] [PS320]		○	○
754-023	BCR_DC_OUT_Fixed [C] [PS224]	605	0	1023	Fixed potential mode BCR_DC_OUT		○	○
754-024	BCR_DC_OUT_Fixed [C] [PS154]	605	0	1023	Fixed potential mode BCR_DC_OUT		○	○
754-025	BCR_DC_OUT_Fixed [C] [PS102]	605	0	1023	Fixed potential mode BCR_DC_OUT		○	○
754-026	VG_OUT_Fixed [K] [PS308]	608	0	853	Fixed potential mode VG_OUT		○	○
754-027	VG_OUT_Fixed [K] [PS224]	589	0	853	Fixed potential mode VG_OUT		○	○
754-028	VG_OUT_Fixed [K] [PS154]	581	0	853	Fixed potential mode VG_OUT		○	○
754-029	VG_OUT_Fixed [K] [PS102]	580	0	853	Fixed potential mode VG_OUT		○	○
754-030	BIAS_DC_OUT_Fixed [Y] [PS308]	469	0	639	Fixed potential mode Deve_BIAS_DC_OUT, BIAS_DC_OUT_Fixed [Y] [PS320]		○	○
754-031	BIAS_DC_OUT_Fixed [Y] [PS224]	469	0	639	Fixed potential mode Deve_BIAS_DC_OUT		○	○
754-032	BIAS_DC_OUT_Fixed [Y] [PS154]	469	0	639	Fixed potential mode Deve_BIAS_DC_OUT		○	○
754-033	BIAS_DC_OUT_Fixed [Y] [PS102]	469	0	639	Fixed potential mode Deve_BIAS_DC_OUT		○	○
754-034	BIAS_DC_OUT_Fixed [M] [PS308]	469	0	639	Fixed potential mode Deve_BIAS_DC_OUT, BIAS_DC_OUT_Fixed [M] [PS320]		○	○

Table 1 NVM 752 to 756 Process Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
754-035	BIAS_DC_OUT_Fixed [M] [PS224]	469	0	639	Fixed potential mode Deve_BIAS_DC_OUT		O	O
754-036	BIAS_DC_OUT_Fixed [M] [PS154]	469	0	639	Fixed potential mode Deve_BIAS_DC_OUT		O	O
754-037	BIAS_DC_OUT_Fixed [M] [PS102]	469	0	639	Fixed potential mode Deve_BIAS_DC_OUT		O	O
754-038	BIAS_DC_OUT_Fixed [C] [PS308]	469	0	639	Fixed potential mode Deve_BIAS_DC_OUT, BIAS_DC_OUT_Fixed [C] [PS320]		O	O
754-039	BIAS_DC_OUT_Fixed [C] [PS224]	469	0	639	Fixed potential mode Deve_BIAS_DC_OUT		O	O
754-040	BIAS_DC_OUT_Fixed [C] [PS154]	469	0	639	Fixed potential mode Deve_BIAS_DC_OUT		O	O
754-041	BIAS_DC_OUT_Fixed [C] [PS102]	469	0	639	Fixed potential mode Deve_BIAS_DC_OUT		O	O
754-042	BIAS_DC_OUT_Fixed [K] [PS308]	512	0	639	Fixed potential mode Deve_BIAS_DC_OUT		O	O
754-043	BIAS_DC_OUT_Fixed [K] [PS224]	512	0	639	Fixed potential mode Deve_BIAS_DC_OUT		O	O
754-044	BIAS_DC_OUT_Fixed [K] [PS154]	512	0	639	Fixed potential mode Deve_BIAS_DC_OUT		O	O
754-045	BIAS_DC_OUT_Fixed [K] [PS102]	512	0	639	Fixed potential mode Deve_BIAS_DC_OUT		O	O
754-046	LD_OUT_Fixed [Y] [PS308]	598	0	1023	Fixed potential mode LD_OUT, LD_OUT_Fixed [Y] [PS320]		O	O
754-047	LD_OUT_Fixed [Y] [PS224]	423	0	1023	Fixed potential mode LD_OUT		O	O
754-048	LD_OUT_Fixed [Y] [PS154]	566	0	1023	Fixed potential mode LD_OUT		O	O
754-049	LD_OUT_Fixed [Y] [PS102]	555	0	1023	Fixed potential mode LD_OUT		O	O
754-050	LD_OUT_Fixed [M] [PS308]	598	0	1023	Fixed potential mode LD_OUT, LD_OUT_Fixed [M] [PS320]		O	O
754-051	LD_OUT_Fixed [M] [PS224]	423	0	1023	Fixed potential mode LD_OUT		O	O
754-052	LD_OUT_Fixed [M] [PS154]	566	0	1023	Fixed potential mode LD_OUT		O	O
754-053	LD_OUT_Fixed [M] [PS102]	555	0	1023	Fixed potential mode LD_OUT		O	O
754-054	LD_OUT_Fixed [C] [PS308]	598	0	1023	Fixed potential mode LD_OUT, LD_OUT_Fixed [C] [PS308]		O	O
754-055	LD_OUT_Fixed [C] [PS224]	423	0	1023	Fixed potential mode LD_OUT		O	O
754-056	LD_OUT_Fixed [C] [PS154]	566	0	1023	Fixed potential mode LD_OUT		O	O
754-057	LD_OUT_Fixed [C] [PS102]	555	0	1023	Fixed potential mode LD_OUT		O	O
754-058	LD_OUT_Fixed [K] [PS308]	572	0	1023	Fixed potential mode LD_OUT		O	O
754-059	LD_OUT_Fixed [K] [PS224]	402	0	1023	Fixed potential mode LD_OUT		O	O
754-060	LD_OUT_Fixed [K] [PS154]	555	0	1023	Fixed potential mode LD_OUT		O	O
754-061	LD_OUT_Fixed [K] [PS102]	549	0	1023	Fixed potential mode LD_OUT		O	O
754-062	Vdeve_PCON [Y] [Current]	256	0	1023	PCON potential Vdeve value		O	O
754-064	Vdeve_PCON [M] [Current]	256	0	1023	PCON potential Vdeve value		O	O
754-066	Vdeve_PCON [C] [Current]	256	0	1023	PCON potential Vdeve value		O	O
754-068	Vdeve_PCON [K] [Current]	256	0	1023	PCON potential Vdeve value		O	O
754-592	VH_PCON [Y]	554	0	1023	PCON potential VH value		O	O
754-593	VH_PCON [M]	554	0	1023	PCON potential VH value		O	O
754-594	VH_PCON [C]	554	0	1023	PCON potential VH value		O	O
754-595	VH_PCON [K]	597	0	1023	PCON potential VH value		O	O
754-596	VB_PCON [Y]	469	0	1023	PCON potential VB value		O	O
754-597	VB_PCON [M]	469	0	1023	PCON potential VB value		O	O

Table 1 NVM 752 to 756 Process Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
754-598	VB_PCON [C]	469	0	1023	PCON potential VB value		O	O
754-599	VB_PCON [K]	512	0	1023	PCON potential VB value		O	O
754-600	VL_PCON [Y]	213	0	1023	PCON potential VL value		O	O
754-601	VL_PCON [M]	213	0	1023	PCON potential VL value		O	O
754-602	VL_PCON [C]	213	0	1023	PCON potential VL value		O	O
754-603	VL_PCON [K]	256	0	1023	PCON potential VL value		O	O
754-608	BCR_DC_OUT_PCON [Y]	607	0	1023	PCON potential BCR_DC_OUT		O	O
754-609	BCR_DC_OUT_PCON [M]	607	0	1023	PCON potential BCR_DC_OUT		O	O
754-610	BCR_DC_OUT_PCON [C]	607	0	1023	PCON potential BCR_DC_OUT		O	O
754-611	VG_OUT_PCON	608	0	853	PCON potential VG_OUT		O	O
754-612	BCR_DC_OUT_PCON_Correction by Type [Y]	607	0	1023	PCON potential BCR_DC_OUT after correction by type		O	O
754-613	BCR_DC_OUT_PCON_Correction by Type [M]	607	0	1023	PCON potential BCR_DC_OUT after correction by type		O	O
754-614	BCR_DC_OUT_PCON_Correction by Type [C]	607	0	1023	PCON potential BCR_DC_OUT after correction by type		O	O
754-615	VG_OUT_PCON_Correction by Type	608	0	853	PCON potential VG_OUT after correction by type		O	O
754-616	BIAS_DC_OUT_PCON [Y]	469	0	639	PCON potential BIAS_DC_OUT		O	O
754-617	BIAS_DC_OUT_PCON [M]	469	0	639	PCON potential BIAS_DC_OUT		O	O
754-618	BIAS_DC_OUT_PCON [C]	469	0	639	PCON potential BIAS_DC_OUT		O	O
754-619	BIAS_DC_OUT_PCON [K]	512	0	639	PCON potential BIAS_DC_OUT		O	O
754-620	LD_OUT_PCON [Y]	598	0	1023	PCON potential LD_OUT		O	O
754-621	LD_OUT_PCON [M]	598	0	1023	PCON potential LD_OUT		O	O
754-622	LD_OUT_PCON [C]	598	0	1023	PCON potential LD_OUT		O	O
754-623	LD_OUT_PCON [K]	572	0	1023	PCON potential LD_OUT		O	O
755-666	BW_Mini Setup Priority SW	0	0	1	BW_Mini Setup Priority Switch (0: OFF, 1: ON)		O	O
755-682	Text Sharpness Correction Amount [Y]	65	0	100	The adjustment amount for Y 100% address of text sharpness EE LUT (Org sharpness) (Unit: 1%)	1%	O	O
755-683	Text Sharpness Correction Amount [M]	70	0	100	The adjustment amount for M 100% address of text sharpness EE LUT (Org sharpness) (Unit: 1%)	1%	O	O
755-684	Text Sharpness Correction Amount [C]	75	0	100	The adjustment amount for C 100% address of text sharpness EE LUT (Org sharpness) (Unit: 1%)	1%	O	O
755-685	Text Sharpness Correction Amount [K]	70	0	100	The adjustment amount for K 100% address of text sharpness EE LUT (Org sharpness) (Unit: 1%)	1%	O	O
756-001	Calibration SW	2	0	3	A switch that determines the Calib LUT application method. (0: Do not apply, 1: Apply to both Copy/Print, 2: Apply to Copy only, 3: Apply to Print only)		O	O
756-003	Calibration Completion Counter [200R]	0	0	65535	The number of times Calibration was performed (200R).		O	O
756-004	Calibration Completion Counter [200C]	0	0	65535	The number of times Calibration was performed (200C).		O	O
756-005	Calibration Completion Counter [150C]	0	0	65535	The number of times Calibration was performed (150C).		O	O
756-024	IIT_Calib Value [Y]	190	0	255	DC945 CCD Calib Y Result [Y]		O	O

Table 1 NVM 752 to 756 Process Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
756-025	IIT_Calib Value [M]	229	0	255	DC945 CCD Calib Y Result [M]		O	O
756-026	IIT_Calib Value [C]	233	0	255	DC945 CCD Calib Y Result [C]		O	O
756-027	IIT_Calib Value [K]	242	0	255	DC945 CCD Calib Y Result [K]		O	O
756-812	Dmax Patch Delta Density [Y] (D_REF_Log_Dmax [Y])	0	-1024	1023	Dmax Patch Delta IIT Density after Log Transform [Y]		O	O
756-813	Dmax Patch Delta Density [M] (D_REF_Log_Dmax [M])	0	-1024	1023	Dmax Patch Delta IIT Density after Log Transform [M]		O	O
756-814	Dmax Patch Delta Density [C] (D_REF_Log_Dmax [C])	0	-1024	1023	Dmax Patch Delta IIT Density after Log Transform [C]		O	O
756-815	Dmax Patch Delta Density [K] (D_REF_Log_Dmax [K])	0	-1024	1023	Dmax Patch Delta IIT Density after Log Transform [K]		O	O
756-859	ATC_Barcode_No [Y]	55	0	99	The bar code number for Y color.		O	O
756-860	ATC_Barcode_No [M]	55	0	99	The bar code number for M color.		O	O
756-861	ATC_Barcode_No [C]	55	0	99	The bar code number for C color.		O	O
756-862	ATC_Barcode_No [K]	55	0	99	The bar code number for K color.		O	O
756-872	Calibration Completion Counter [Binary]	0	0	65535	The number of times Calibration was performed (binary).		O	O

6.3.23 NVM 759, 760 Registration Control List

Table 1 NVM 759, 760 Registration Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initiali- zation Possible	Write Possible
759-001	RegiCon Function Switch	1	0	1	Registration Control function switch (Upper-level switch of the following sub-functions); 0: Do not perform, 1: Perform		O	O
759-002	CLRC Function Switch	1	0	1	Closed Loop Registration Control function switch.; 0: Do not perform, 1: Perform		O	O
759-006	CLRC Operation Condition Temperature	8	0	255	Closed Loop Registration Control operation start condition temperature variation amount _ Unit: 0.1 degree	0.1 degree	O	O
759-009	CLRC Operation Standby Temperature	100	0	255	Closed Loop Registration Control operation start standby condition temperature variation amount _ Unit: 0.1 degree	0.1 degree	O	O
759-010	CLRC Operation Standby Time	255	0	255	Closed Loop Registration Control operation start standby condition time variation amount _ Unit: 1 min	1 min	O	O
759-070	SK Offset Value Settable Range Upper Limit	0	-92	92	Upper limit of the settable range for SK Offset value _ Unit: 1 BigDot (1 pixel @ 600 dpi)	1 BigDot	O	O
759-071	SK Offset Value Settable Range Lower Limit	0	-92	92	Lower limit of the settable range for SK Offset value _ Unit: 1 BigDot (1 pixel @ 600 dpi)	1 BigDot	O	O
759-072	LM Offset Value Settable Range Upper Limit	0	-74	74	Upper limit of the settable range for LM Offset value _ Unit: 0.025%	0.025%	O	O
759-073	LM Offset Value Settable Range Lower Limit	0	-74	74	Lower limit of the settable range for LM Offset value _ Unit: 0.025%	0.025%	O	O
759-130	Lead Regi Offset	0	-236	236	Lead Registration offset (common parameter among colors). -: In the direction that hasten the LS, +: In the direction that delay the LS _ Unit: 1 BigDot (1 pixel @ 600 dpi)	1 BigDot	O	O
759-131	Side Regi Offset	0	-236	236	Side Registration offset (common parameter among colors) for Side 1. -: SOS direction, +: EOS direction _ Unit: 1 BigDot (1 pixel @ 600 dpi)	1 BigDot	O	O
759-132	Side Regi Offset	0	-236	236	Side Registration offset (common parameter among colors) for Side 2. -: SOS direction, +: EOS direction _ Unit: 1 BigDot (1 pixel @ 600 dpi)	1 BigDot	O	O
759-133	Side 1 Fast Scan % Offset	0	-74	74	Side 1 Fast Scan magnification offset (common among colors, image only) for Side 1. -: Decreases the Fast Scan length, +: Increases the Fast Scan length _ Unit: 0.025% (+/-0.925 1%)	0.025%	O	O
759-134	Side 2 Fast Scan % Offset	0	-74	74	Side 2 Fast Scan magnification offset (common among colors, image only) for Side 2. -: Decreases the Fast Scan length, +: Increases the Fast Scan length _ Unit: 0.025% (+/-0.925 1%)	0.025%	O	O
759-135	Side 1 Slow Scan % Offset	0	-20	20	Magnification correction amount in Slow Scan direction (common among colors, image only) for Side 1. -: Decreases the Slow Scan length, +: Increases the Slow Scan length _ Unit: 0.025%	0.025%	O	O
759-136	Side 2 Slow Scan % Offset	0	-20	20	Magnification correction amount in Slow Scan direction (common among colors, image only) for Side 2. -: Decreases the Slow Scan length, +: Increases the Slow Scan length _ Unit: 0.025%	0.025%	O	O
759-137	Side 1 Slow Scan Skew Offset	0	-92	92	Side 1 Slow Scan skew offset (common among colors, image only) for Side 1. -: In the direction that hasten the SOS, +: In the direction that hasten the EOS _ Unit: 1 BigDot (1 pixel @ 600 dpi)	1 BigDot	O	O

Table 1 NVM 759, 760 Registration Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initiali- zation Possible	Write Possible
759-138	Side 2 Slow Scan Skew Offset	0	-92	92	Side 2 Slow Scan skew offset (common among colors, image only) for Side 2. -: In the direction that hasten the SOS, +: In the direction that hasten the EOS _ Unit: 1 BigDot (1 pixel @ 600 dpi)	1 BigDot	O	O
759-139	Side 1 Fast Scan Skew Offset	0	-10	10	Side 1 Fast Scan skew offset (common among colors, image only) for Side 1. -: In the direction that gets nearer to SOS, +: In the direction that gets away from SOS. Unit: 0.1 mm (Converted value of 400 mm width in Slow Scan direction)	0.1 mm	O	O
759-140	Side 2 Fast Scan Skew Offset	0	-10	10	Side 2 Fast Scan skew offset (common among colors, image only) for Side 2. -: In the direction that gets nearer to SOS, +: In the direction that gets away from SOS. Unit: 0.1 mm (Converted value of 400 mm width in Slow Scan direction)	0.1 mm	O	O
759-193	Side Regi Adjustment NVM _ MSI/HCF MSI Side 1	0	-30	30	Side Registration adjustment value for MSI/HCF MSI Side 1. Adjustment can be made in the range of +/-3 mm. Unit: 0.1 mm	0.1 mm	O	O
759-194	Side Regi Adjustment NVM _ MSI/HCF MSI Side 2	0	-30	30	Side Registration adjustment value for MSI/HCF MSI Side 2. Adjustment can be made in the range of +/-3 mm. Unit: 0.1 mm	0.1 mm	O	O
759-195	Side Regi Adjustment NVM Tray 1 Side 1	0	-30	30	Side Registration adjustment value for Tray 1 Side 1. Adjustment can be made in the range of +/-3 mm. Unit: 0.1 mm	0.1 mm	O	O
759-196	Side Regi Adjustment NVM Tray 1 Side 2	0	-30	30	Side Registration adjustment value for Tray 1 Side 2. Adjustment can be made in the range of +/-3 mm. Unit: 0.1 mm	0.1 mm	O	O
759-197	Side Regi Adjustment NVM Tray 2 Side 1	0	-30	30	Side Registration adjustment value for Tray 2 Side 1. Adjustment can be made in the range of +/-3 mm. Unit: 0.1 mm	0.1 mm	O	O
759-198	Side Regi Adjustment NVM Tray 2 Side 2	0	-30	30	Side Registration adjustment value for Tray 2 Side 2. Adjustment can be made in the range of +/-3 mm. Unit: 0.1 mm	0.1 mm	O	O
759-199	Side Regi Adjustment NVM Tray 3 Side 1	0	-30	30	Side Registration adjustment value for Tray 3 Side 1. Adjustment can be made in the range of +/-3 mm. Unit: 0.1 mm	0.1 mm	O	O
759-200	Side Regi Adjustment NVM Tray 3 Side 2	0	-30	30	Side Registration adjustment value for Tray 3 Side 2. Adjustment can be made in the range of +/-3 mm. Unit: 0.1 mm	0.1 mm	O	O
759-201	Side Regi Adjustment NVM 2000 HCF, 2000B1 HCF, 4000C1 HCF Upper Tray, 4000C2 HCF Upper Tray Side 1	0	-30	30	Side Registration adjustment value for 2000 HCF, 2000B1 HCF, 4000C1 HCF Upper Tray, 4000C2 HCF Upper Tray Side 1. Adjustment can be made in the range of +/-3 mm. Unit: 0.1 mm	0.1 mm	O	O
759-202	Side Regi Adjustment NVM 2000 HCF, 2000B1 HCF, 4000C1 HCF Upper Tray, 4000C2 HCF Upper Tray Side 2	0	-30	30	Side Registration adjustment value for 2000 HCF, 2000B1 HCF, 4000C1 HCF Upper Tray, 4000C2 HCF Upper Tray Side 2. Adjustment can be made in the range of +/-3 mm. Unit: 0.1 mm	0.1 mm	O	O
759-203	Side Regi Adjustment NVM 4000C1 HCF Lower Tray, 4000C2 HCF Lower Tray Side 1	0	-30	30	Side Registration adjustment value for 4000C1 HCF Lower Tray, 4000C2 HCF Lower Tray Side 1. Adjustment can be made in the range of +/-3 mm. Unit: 0.1 mm	0.1 mm	O	O
759-204	Side Regi Adjustment NVM 4000C1 HCF Lower Tray, 4000C2 HCF Lower Tray Side 2	0	-30	30	Side Registration adjustment value for 4000C1 HCF Lower Tray, 4000C2 HCF Lower Tray Side 2. Adjustment can be made in the range of +/-3 mm. Unit: 0.1 mm	0.1 mm	O	O
759-861	Xero Temperature Sensor Fail	0	0	1	0: Normal, 1: Fail occurred		O	O

Table 1 NVM 759, 760 Registration Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initiali- zation Possible	Write Possible
759-872	Power ON CLRC Function Switch	0	0	1	A switch that determines whether to perform unconditional Registration Control at Power ON. 0: Do not perform, 1: Perform		O	O
759-873	Side Regi Offset Limitation Switch	0	0	2	Side Regi offset limitation switch (image width between 308 mm and 330 mm only). 0: Add the Side Regi Offset (759-131 and 132), DC129 Adjustment Value (759-193 to 212), and customer adjustment value, 1: Add the Side Regi Offset (759-131 and 132) and DC129 Adjustment Value (759-193 to 212), 2: No addition (no adjustment)		O	O
759-874	PS224 Y Margin Correction Amount Off- set [Y]	55	-4720	4720	PS224 Registration Control Slow Scan skew correction amount (Y margin correction amount) offset amount for Y color. Unit: 0.1 Dot (1 pixel @ 2400 dpi). * Take note that when the values of the following NVM (Drive) have changed, the equation will also change and thus cause this value to change. 741-006:5978,741-007:8205,741-008:3985,741-009:5470,741-066:3597,741-067:4937	0.1 Dot	O	O
759-875	PS224 Y Margin Correction Amount Off- set [M]	35	-4720	4720	PS224 Registration Control Slow Scan skew correction amount (Y margin correction amount) offset amount for M color. Unit: 0.1 Dot (1 pixel @ 2400 dpi). * Take note that when the values of the following NVM (Drive) have changed, the equation will also change and thus cause this value to change. 741-006:5978,741-007:8205,741-008:3985,741-009:5470,741-066:3597,741-067:4937	0.1 Dot	O	O
759-876	PS224 Y Margin Correction Amount Off- set [C]	14	-4720	4720	PS224 Registration Control Slow Scan skew correction amount (Y margin correction amount) offset amount for C color. Unit: 0.1 Dot (1 pixel @ 2400 dpi). * Take note that when the values of the following NVM (Drive) have changed, the equation will also change and thus cause this value to change. 741-006:5978,741-007:8205,741-008:3985,741-009:5470,741-066:3597,741-067:4937	0.1 Dot	O	O
759-877	PS224 Y Margin Correction Amount Off- set [K]	0	-4720	4720	PS224 Registration Control Slow Scan skew correction amount (Y margin correction amount) offset amount for K color. Unit: 0.1 Dot (1 pixel @ 2400 dpi). * Take note that when the values of the following NVM (Drive) have changed, the equation will also change and thus cause this value to change. 741-006:5978,741-007:8205,741-008:3985,741-009:5470,741-066:3597,741-067:4937	0.1 Dot	O	O
759-901	Fast Scan Linearity IReCT Area AB/BC/ CD Border Position Correction Amount #1 [Y]	0	-128	127	Fast scan linearity IReCT area AB/BC/CD border position correction amount #1 [Y] (unit: 0.1 pixel@2400 dpi)	0.1 pixel	O	O
759-902	Fast Scan Linearity IReCT Area AB/BC/ CD Border Position Correction Amount #1 [M]	0	-128	127	Fast scan linearity IReCT area AB/BC/CD border position correction amount #1 [M] (unit: 0.1 pixel@2400 dpi)	0.1 pixel	O	O
759-903	Fast Scan Linearity IReCT Area AB/BC/ CD Border Position Correction Amount #1 [C]	0	-128	127	Fast scan linearity IReCT area AB/BC/CD border position correction amount #1 [C] (unit: 0.1 pixel@2400 dpi)	0.1 pixel	O	O
759-904	Fast Scan Linearity IReCT Area AB/BC/ CD Border Position Correction Amount #1 [K]	0	-128	127	Fast scan linearity IReCT area AB/BC/CD border position correction amount #1 [K] (unit: 0.1 pixel@2400 dpi)	0.1 pixel	O	O
759-905	Fast Scan Linearity IReCT Area AB/BC/ CD Border Position Correction Amount #2 [Y]	0	-128	127	Fast scan linearity IReCT area AB/BC/CD border position correction amount #2 [Y] (unit: 0.1 pixel@2400 dpi)	0.1 pixel	O	O

Table 1 NVM 759, 760 Registration Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initiali- zation Possible	Write Possible
759-906	Fast Scan Linearity IReCT Area AB/BC/CD Border Position Correction Amount #2 [M]	0	-128	127	Fast scan linearity IReCT area AB/BC/CD border position correction amount #2 [M] (unit: 0.1 pixel@2400 dpi)	0.1 pixel	O	O
759-907	Fast Scan Linearity IReCT Area AB/BC/CD Border Position Correction Amount #2 [C]	0	-128	127	Fast scan linearity IReCT area AB/BC/CD border position correction amount #2 [C] (unit: 0.1 pixel@2400 dpi)	0.1 pixel	O	O
759-908	Fast Scan Linearity IReCT Area AB/BC/CD Border Position Correction Amount #2 [K]	0	-128	127	Fast scan linearity IReCT area AB/BC/CD border position correction amount #2 [K] (unit: 0.1 pixel@2400 dpi)	0.1 pixel	O	O
759-909	Fast Scan Linearity IReCT Area AB/BC/CD Border Position Correction Amount #3 [Y]	0	-128	127	Fast scan linearity IReCT area AB/BC/CD border position correction amount #3 [Y] (unit: 0.1 pixel@2400 dpi)	0.1 pixel	O	O
759-910	Fast Scan Linearity IReCT Area AB/BC/CD Border Position Correction Amount #3 [M]	0	-128	127	Fast scan linearity IReCT area AB/BC/CD border position correction amount #3 [M] (unit: 0.1 pixel@2400 dpi)	0.1 pixel	O	O
759-911	Fast Scan Linearity IReCT Area AB/BC/CD Border Position Correction Amount #3 [C]	0	-128	127	Fast scan linearity IReCT area AB/BC/CD border position correction amount #3 [C] (unit: 0.1 pixel@2400 dpi)	0.1 pixel	O	O
759-912	Fast Scan Linearity IReCT Area AB/BC/CD Border Position Correction Amount #3 [K]	0	-128	127	Fast scan linearity IReCT area AB/BC/CD border position correction amount #3 [K] (unit: 0.1 pixel@2400 dpi)	0.1 pixel	O	O
759-913	Image Lead Offset Refresh S/W	1	0	1	K color Y rough margin refresh SW. 0: Do not reflect, 1: Reflect		O	O
759-914	Regicon Rough Adjustment Reverse Correction	0	-50	50	Registration Control K color YM code invert value. -: In the direction that hasten the LS, +: In the direction that delay the LS. Unit: 0.1 mm	0.1 mm	O	O
759-915	Regicon Rough Adjustment Reverse Correction Refresh State	1	0	1	Determines whether K color Y rough margin can be refreshed in the RegiCon Setup complete state.0: Can be refreshed, 1: Cannot be refreshed		O	O
759-916	DC126 Correction Coefficient K1	35	-128	127	DC126 correction coefficient K1 (Trapezoid Correction mechanism sensitivity)		O	O
759-917	DC126 Correction Coefficient K2	-12	-128	127	DC126 correction coefficient K2 (Perpendicularity shift correction coefficient by Trapezoid Correction)		O	O
759-918	DC126 Correction Coefficient K3	-17	-128	127	DC126 correction coefficient K3 (Side Skew shift correction coefficient by Trapezoid Correction)		O	O
759-919	DC126 Correction Coefficient K4	-15	-128	127	DC126 correction coefficient K4 (Side Skew Side 2 shift correction coefficient by Side Skew Side 1 Adjustment) (for mechanism)		O	O
759-920	DC126 Correction Coefficient K5	0	-128	127	DC126 correction coefficient K5 (Side 2 Perpendicularity shift correction coefficient by Side Skew Side 2 Adjustment)		O	O
759-921	DC126 Correction Coefficient K6	0	-128	127	DC126 correction coefficient K6 (Side Registration shift correction coefficient by Fast Scan Reduce/Enlarge Adjustment)		O	O
759-922	DC126 Correction Coefficient K7	50	-128	127	DC126 correction coefficient K7 (Side Registration shift correction coefficient by Side Skew Adjustment)		O	O
759-923	DC126 Correction Coefficient K8	15	-128	127	DC126 Correction Coefficient K8 (Side Skew mechanism sensitivity)		O	O
759-924	DC126 Correction Coefficient K9	1	-16	16	DC126 Correction Coefficient K9 (direction correction coefficient)		O	O

Table 1 NVM 759, 760 Registration Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initiali- zation Possible	Write Possible
759-925	DC126 Correction Coefficient K10	1	-16	16	DC126 Correction Coefficient K10 (direction correction coefficient)		O	O
759-926	DC126 Correction Coefficient K11	1	-16	16	DC126 Correction Coefficient K11 (direction correction coefficient)		O	O
759-927	DC126 Correction Coefficient K12	1	-16	16	DC126 Correction Coefficient K12 (direction correction coefficient)		O	O
759-928	DC126 Correction Coefficient K13	1	-128	127	DC126 Correction Coefficient K13 (direction correction coefficient)		O	O
759-929	DC126 Correction Coefficient K14	0	-128	127	DC126 correction coefficient K14 (conversion disabled (Side Skew shift correction coefficient by Trapezoid Correction))		O	O
760-001	IReCT Correction Enable SW	1	0	1	IReCT Correction enabling switch (Upper-level switch of the following sub-functions). 0: Correction Disabled, 1: Correction Enabled		O	O
760-002	Fast Scan Overall Magnification Correction Enable SW	1	0	1	Fast Scan Overall Magnification Correction enabling switch. 0: Correction Disabled, 1: Correction Enabled		O	O
760-003	Slow Scan Overall Magnification Correction Enable SW	1	0	1	Slow Scan Overall Magnification Correction enabling switch. 0: Correction Disabled, 1: Correction Enabled		O	O
760-004	Slow Scan Skew Correction Enable SW	1	0	1	Slow Scan Skew Correction enabling switch. 0: Correction Disabled, 1: Correction Enabled		O	O
760-005	Pixel Invert Function Enable SW [Y]	0	0	3	Pixel Invert Function enabling switch for Y color. bit 0: Screen 1; 0: Correction Disabled, 1: Correction Enabled; bit 1: Screen 2; 0: Correction Disabled, 1: Correction Enabled		O	O
760-006	Pixel Invert Function Enable SW [M]	0	0	3	Pixel Invert Function enabling switch for M color. bit 0: Screen 1; 0: Correction Disabled, 1: Correction Enabled; bit 1: Screen 2; 0: Correction Disabled, 1: Correction Enabled		O	O
760-007	Pixel Invert Function Enable SW [C]	0	0	3	Pixel Invert Function enabling switch for C color. bit 0: Screen 1; 0: Correction Disabled, 1: Correction Enabled; bit 1: Screen 2; 0: Correction Disabled, 1: Correction Enabled		O	O
760-008	Pixel Invert Function Enable SW [K]	2	0	3	Pixel Invert Function enabling switch for K color. bit 0: Screen 1; 0: Correction Disabled, 1: Correction Enabled; bit 1: Screen 2; 0: Correction Disabled, 1: Correction Enabled		O	O
760-009	Fast Scan Skew Correction Enable SW	1	0	1	Fast Scan Skew Correction enabling switch. 0: Correction Disabled, 1: Correction Enabled		O	O
760-010	Fast Scan Skew CNT_XM Correction Enable SW	2	0	2	Fast Scan Skew Center X Margin Correction enabling switch. 0: Correction Disabled, 1: Correction Enabled, 2: 210 mm from Image Lead Edge		O	O

6.3.24 NVM 761, 762 Deve List

Table 1 NVM 761, 762 Deve List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
761-031	Morning Deve Mixing Switch	0	0	2	Sets whether to perform the Deve K Mixing Setup, which is performed for mixing in the morning, as well as makes the Setup configuration. 0: Do not perform Deve K Mixing for mixing in the morning, 1: Perform the combination of Deve K Mixing 1 + Mixing Recovery, 2: Perform the combination of Deve K Mixing 1 + Deve K Mixing 2 + Mixing Recovery		O	O
761-032	Interval Deve Mixing Switch	0	0	1	Sets whether to perform the Deve K Mixing Setup, which is performed for periodical mixing, as well as makes the Setup configuration. 0: Do not perform Deve K Mixing for periodical mixing, 1: Perform the combination of Deve K Mixing 1 + Mixing Recovery		O	O
761-033	Morning Deve K Mixing Entry TH	10	1	50	Entry threshold value for Deve K Mixing that is performed for mixing in the morning _ Unit: 1 [hour]	1 hour	O	O
761-034	Interval Deve K Mixing Entry TH	3822439	1911220	5733659	Entry threshold value for Deve K Mixing that is performed for periodical mixing _ Unit: 1 [ms], Default Value: A3S 2 kPV Equivalent, Range: 1 k to 3 kPV Equivalent	1 [ms]	O	O
761-035	Deve Clutch K OFF Time	0	0	4294967295	The time for which the Deve Clutch K has stopped; Unit: 1 [minute] _ (Used for Entry judgment of Deve K Mixing for mixing in the morning)	1 min	O	O
761-036	Deve Clutch K ON Time PS_308	0	0	4294967295	Accumulated drive time of the Deve Clutch K when Engine Action = BW and PS = 308 _ Unit: 1 [ms] (Used for Entry judgment of Deve K Mixing for periodical mixing)	1 [ms]	O	O
761-037	Deve K Mixing Cin	26	26	77	The Deve K Mixing Cin setting (common setting for mixing in the morning and periodical mixing) _ Default Value: 10% (Range: 10 to 30%)		O	O
761-039	Deve Material Life Cnt Y	0	0	4294967295	Developer Housing Assy Y operation time with the PS at operation converted to PS: 220 mm/s [10 ms] _ Although this is linked to the HFSI Counter, it is not guaranteed during NVM Init.		O	O
761-040	Deve Material Life Cnt M	0	0	4294967295	Developer Housing Assy M operation time with the PS at operation converted to PS: 220 mm/s [10 ms] _ Although this is linked to the HFSI Counter, it is not guaranteed during NVM Init.		O	O
761-041	Deve Material Life Cnt C	0	0	4294967295	Developer Housing Assy C operation time with the PS at operation converted to PS: 220 mm/s [10 ms] _ Although this is linked to the HFSI Counter, it is not guaranteed during NVM Init.		O	O
761-042	Deve Material Life Cnt K	0	0	4294967295	Developer Housing Assy K operation time with the PS at operation converted to PS: 220 mm/s [10 ms] _ Although this is linked to the HFSI Counter, it is not guaranteed during NVM Init.		O	O
761-043	Amount of Y Toner Accumulation Use	0	0	4294967295	The accumulated Y Toner consumption since the MC was installed.; Unit: 0.1 [g]	0.1 [g]	O	O
761-044	Amount of M Toner Accumulation Use	0	0	4294967295	The accumulated M Toner consumption since the MC was installed.; Unit: 0.1 [g]	0.1 [g]	O	O
761-045	Amount of C Toner Accumulation Use	0	0	4294967295	The accumulated C Toner consumption since the MC was installed.; Unit: 0.1 [g]	0.1 [g]	O	O
761-046	Amount of K2 Toner Accumulation Use	0	0	4294967295	The accumulated K Toner consumption since the MC was installed when the operating Cartridge is K2.; Unit: 0.1 [g]	0.1 [g]	O	O
761-047	Amount of K1 Toner Accumulation Use	0	0	4294967295	The accumulated K Toner consumption since the MC was installed when the operating Cartridge is K1.; Unit: 0.1 [g]	0.1 [g]	O	O
761-048	Dispense Rate Y	419	0	1000	The Y color dispense rate.; Unit: [mg/s]	mg/s	O	O
761-049	Dispense Rate M	415	0	1000	The M color dispense rate.; Unit: [mg/s]	mg/s	O	O
761-050	Dispense Rate C	400	0	1000	The C color dispense rate.; Unit: [mg/s]	mg/s	O	O

Table 1 NVM 761, 762 Deve List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
761-051	Dispense Rate K	434	0	1000	The K color dispense rate,; Unit: [mg/s]	mg/s	O	O
761-053	Pre Near Empty Y TH	0	0	2000000	The calculated Toner Cartridge Y Pre Near Empty threshold value (Unit: ms)	ms	O	O
761-054	Pre Near Empty M TH	0	0	2000000	The calculated Toner Cartridge M Pre Near Empty threshold value (Unit: ms)	ms	O	O
761-055	Pre Near Empty C TH	0	0	2000000	The calculated Toner Cartridge C Pre Near Empty threshold value (Unit: ms)	ms	O	O
761-056	Pre Near Empty K2 TH	0	0	2000000	The calculated Toner Cartridge K2 Pre Near Empty threshold value (Unit: ms)	ms	O	O
761-057	Pre Near Empty K1 TH	0	0	2000000	The calculated Toner Cartridge K1 Pre Near Empty threshold value (Unit: ms)	ms	O	O
761-058	Near Disp Time YMC	1300	0	2000	The average dispense time when the YMC Cartridge Near Empty occurs (Unit: s)	s	O	O
761-059	Near Disp Time K	1260	0	2000	The average dispense time when the K2 & K1 Cartridges Near Empty occurs (Unit: s)	s	O	O
761-060	Detection Days Y	7	0	15	Sets how many days before [Near Empty] should [Pre Near Empty] be detected (Y color).; Unit: Day	Day	O	O
761-061	Detection Days M	7	0	15	Sets how many days before [Near Empty] should [Pre Near Empty] be detected (M color).; Unit: Day	Day	O	O
761-062	Detection Days C	7	0	15	Sets how many days before [Near Empty] should [Pre Near Empty] be detected (C color).; Unit: Day	Day	O	O
761-063	Detection Days K	7	0	15	Sets how many days before [Near Empty] should [Pre Near Empty] be detected (K color).; Unit: Day	Day	O	O
761-064	Correction Coefficient	1	1	15	The coefficient for correction at replacement period.		O	O
761-070	Daily Disp Time YMC	82	0	255	The average dispense time per day for the YMC Cartridges _ Unit: [s/day]	s/day	O	O
761-071	Daily Disp Time K	130	0	255	The average dispense time per day for the K1 and K2 Cartridges _ Unit: [s/day]	s/day	O	O
761-074	Decay/BCO Mid Band Creation Enable/Disable SW	0	0	3	0: OFF, 1 Decay Band ON, 2: Roughness Band ON, 3: BCO Band ON		O	O
761-099	Unattended Decay Mixing VDC Offset	0	-30	30	The offset amount for the Deve Bias requested by Pcon.		O	O
761-100	Morning Decay Deve Mixing Switch	0	0	2	Sets whether to perform the Deve Decay Mixing Setup, which is performed for mixing in the morning, as well as makes the Setup configuration. 0: Do not perform Deve Decay Mixing for mixing in the morning, 1: Perform the combination of Deve Decay Mixing 1 + Mixing Recovery, 2: Perform the combination of Deve Decay Mixing 1 + Deve Decay Mixing 2 + Mixing Recovery		O	O
761-101	Morning Decay Deve YMCK Mixing Entry TH	10	1	100	Entry threshold value for Deve YMCK Mixing that is performed for mixing in the morning _ Unit: 1 [hour]	1 hour	O	O
761-102	Environment Threshold Value for Decay YMCK Mixing Judgment	13	10	15	The environment table judgment threshold value for Decay YMCK Mixing Judgment.		O	O
761-103	Deve Decay YMCK Mixing Cin	26	26	77	The YMCK Mixing Cin setting for Deve Decay countermeasure (common setting for mixing in the morning and periodical mixing). Default Value: 10% (Range: 10 to 30%)		O	O
761-104	Deve Motor YMC OFF Time	0	0	4294967295	The time for which the Deve Motor has stopped; Unit: 1 [minute]. (Used for Entry judgment of Deve YMCK Mixing for decay mixing)	1 min	O	O
761-110	Daily Disp Time YMC (for 51-sheet models)	82	0	255	The average dispense time per day for the YMC Cartridges (for 51-sheet models) _ Unit: [s/day]	s/day	O	O
761-111	Daily Disp Time K (for 51-sheet models)	130	0	255	The average dispense time per day for the K1 and K2 Cartridges (for 51-sheet models) _ Unit: [s/day]	s/day	O	O

Table 1 NVM 761, 762 Deve List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
761-112	Dispense Near Broken Time (Y)	0	0	4294967295	Time stamp (for Y color) when the Dispenser is in the [Near Broken] state (Data for investigating the cause of Dispense Broken Fail)		O	O
761-113	Dispense Near Broken Time (M)	0	0	4294967295	Time stamp (for M color) when the Dispenser is in the [Near Broken] state (Data for investigating the cause of Dispense Broken Fail)		O	O
761-114	Dispense Near Broken Time (C)	0	0	4294967295	Time stamp (for C color) when the Dispenser is in the [Near Broken] state (Data for investigating the cause of Dispense Broken Fail)		O	O
761-115	Dispense Near Broken Time (K)	0	0	4294967295	Time stamp (for K color) when the Dispenser is in the [Near Broken] state (Data for investigating the cause of Dispense Broken Fail)		O	O
761-116	Dispense Broken Time (Y)	0	0	4294967295	Time stamp (for Y color) when the Dispenser is in the [Broken] state (Data for investigating the cause of Dispense Broken Fail)		O	O
761-117	Dispense Broken Time (M)	0	0	4294967295	Time stamp (for M color) when the Dispenser is in the [Broken] state (Data for investigating the cause of Dispense Broken Fail)		O	O
761-118	Dispense Broken Time (C)	0	0	4294967295	Time stamp (for C color) when the Dispenser is in the [Broken] state (Data for investigating the cause of Dispense Broken Fail)		O	O
761-119	Dispense Broken Time (K)	0	0	4294967295	Time stamp (for K color) when the Dispenser is in the [Broken] state (Data for investigating the cause of Dispense Broken Fail)		O	O
761-120	Dispense Broken Recovery Time (Y)	0	0	4294967295	Time stamp (for Y color) at the recovery from the Dispense Broken Fail occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-121	Dispense Broken Recovery Time (M)	0	0	4294967295	Time stamp (for M color) at the recovery from the Dispense Broken Fail occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-122	Dispense Broken Recovery Time (C)	0	0	4294967295	Time stamp (for C color) at the recovery from the Dispense Broken Fail occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-123	Dispense Broken Recovery Time (K)	0	0	4294967295	Time stamp (for K color) at the recovery from the Dispense Broken Fail occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-124	Operation at Recovery History 1	0	0	14	Operation history 1 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-125	Operation at Recovery History 2	0	0	14	Operation history 2 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O

Table 1 NVM 761, 762 Deve List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
761-126	Operation at Recovery History 3	0	0	14	Operation history 3 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-127	Operation at Recovery History 4	0	0	14	Operation history 4 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-128	Operation at Recovery History 5	0	0	14	Operation history 5 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-129	Operation at Recovery History 6	0	0	14	Operation history 6 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-130	Operation at Recovery History 7	0	0	14	Operation history 7 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-131	Operation at Recovery History 8	0	0	14	Operation history 8 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O

Table 1 NVM 761, 762 Deve List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
761-132	Operation at Recovery History 9	0	0	14	Operation history 9 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-133	Operation at Recovery History 10	0	0	14	Operation history 10 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-134	Operation at Recovery History 11	0	0	14	Operation history 11 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-135	Operation at Recovery History 12	0	0	14	Operation history 12 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-136	Operation at Recovery History 13	0	0	14	Operation history 13 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-137	Operation at Recovery History 14	0	0	14	Operation history 14 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O

Table 1 NVM 761, 762 Deve List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
761-138	Operation at Recovery History 15	0	0	14	Operation history 15 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-139	Operation at Recovery History 16	0	0	14	Operation history 16 from the Dispense Broken Fail occurrence until the recovery _ 1: Power ON, 2: Dispense Cover Open, 3: Dispense Cover Close, 4: Toner Cartridge Removed (Y), 5: Toner Cartridge Removed (M), 6: Toner Cartridge Removed (C), 7: Toner Cartridge Removed (K1), 8: Toner Cartridge Removed (K2), 9: Toner Cartridge Installed (Y), 10: Toner Cartridge Installed (M), 11: Toner Cartridge Installed (C), 12: Toner Cartridge Installed (K1), 13: Toner Cartridge Installed (K2), 14: Diag Mode Switch (Data for investigating the cause of Dispense Broken Fail)		O	O
761-140	Operation Time Stamp at Recovery History 1	0	0	4294967295	Operation time stamp history 1 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-141	Operation Time Stamp at Recovery History 2	0	0	4294967295	Operation time stamp history 2 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-142	Operation Time Stamp at Recovery History 3	0	0	4294967295	Operation time stamp history 3 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-143	Operation Time Stamp at Recovery History 4	0	0	4294967295	Operation time stamp history 4 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-144	Operation Time Stamp at Recovery History 5	0	0	4294967295	Operation time stamp history 5 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-145	Operation Time Stamp at Recovery History 6	0	0	4294967295	Operation time stamp history 6 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-146	Operation Time Stamp at Recovery History 7	0	0	4294967295	Operation time stamp history 7 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-147	Operation Time Stamp at Recovery History 8	0	0	4294967295	Operation time stamp history 8 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-148	Operation Time Stamp at Recovery History 9	0	0	4294967295	Operation time stamp history 9 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-149	Operation Time Stamp at Recovery History 10	0	0	4294967295	Operation time stamp history 10 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-150	Operation Time Stamp at Recovery History 11	0	0	4294967295	Operation time stamp history 11 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-151	Operation Time Stamp at Recovery History 12	0	0	4294967295	Operation time stamp history 12 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-152	Operation Time Stamp at Recovery History 13	0	0	4294967295	Operation time stamp history 13 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-153	Operation Time Stamp at Recovery History 14	0	0	4294967295	Operation time stamp history 14 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O

Table 1 NVM 761, 762 Deve List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
761-154	Operation Time Stamp at Recovery History 15	0	0	4294967295	Operation time stamp history 15 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-155	Operation Time Stamp at Recovery History 16	0	0	4294967295	Operation time stamp history 16 from the Dispense Broken Fail occurrence until the recovery _ (Data for investigating the cause of Dispense Broken Fail)		O	O
761-156	Low Toner Sensor Read Value History (Y)	0	0	4294967295	Low Toner Sensor read value history, past 32 times (for Y color). * When each bit is '0': [Toner available], '1': [No Toner] (Data for investigating the cause of Dispense Broken Fail)		O	O
761-157	Low Toner Sensor Read Value History (M)	0	0	4294967295	Low Toner Sensor read value history, past 32 times (for M color). * When each bit is '0': [Toner available], '1': [No Toner] (Data for investigating the cause of Dispense Broken Fail)		O	O
761-158	Low Toner Sensor Read Value History (C)	0	0	4294967295	Low Toner Sensor read value history, past 32 times (for C color). * When each bit is '0': [Toner available], '1': [No Toner] (Data for investigating the cause of Dispense Broken Fail)		O	O
761-159	Low Toner Sensor Read Value History (K)	0	0	4294967295	Low Toner Sensor read value history, past 32 times (for K color). * When each bit is '0': [Toner available], '1': [No Toner] (Data for investigating the cause of Dispense Broken Fail)		O	O
761-160	ATC_2 Weighted Average Value (Y) at the Dispense Near Broken occurrence	0	0	1023	ATC_2 weighted average value (for Y color) at the Dispense Near Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-161	ATC_2 Weighted Average Value (M) at the Dispense Near Broken occurrence	0	0	1023	ATC_2 weighted average value (for M color) at the Dispense Near Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-162	ATC_2 Weighted Average Value (C) at the Dispense Near Broken occurrence	0	0	1023	ATC_2 weighted average value (for C color) at the Dispense Near Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-163	ATC_2 Weighted Average Value (K) at the Dispense Near Broken occurrence	0	0	1023	ATC_2 weighted average value (for K color) at the Dispense Near Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-164	ATC_2 Weighted Average Value (Y) at the Dispense Broken occurrence	0	0	1023	ATC_2 weighted average value (for Y color) at the Dispense Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-165	ATC_2 Weighted Average Value (M) at the Dispense Broken occurrence	0	0	1023	ATC_2 weighted average value (for M color) at the Dispense Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-166	ATC_2 Weighted Average Value (C) at the Dispense Broken occurrence	0	0	1023	ATC_2 weighted average value (for C color) at the Dispense Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-167	ATC_2 Weighted Average Value (K) at the Dispense Broken occurrence	0	0	1023	ATC_2 weighted average value (for K color) at the Dispense Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-168	ATC Correction Target Value (Y) at the Dispense Near Broken occurrence	0	0	1023	ATC correction target value (for Y color) at the Dispense Near Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-169	ATC Correction Target Value (M) at the Dispense Near Broken occurrence	0	0	1023	ATC correction target value (for M color) at the Dispense Near Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-170	ATC Correction Target Value (C) at the Dispense Near Broken occurrence	0	0	1023	ATC correction target value (for C color) at the Dispense Near Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-171	ATC Correction Target Value (K) at the Dispense Near Broken occurrence	0	0	1023	ATC correction target value (for K color) at the Dispense Near Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O

Table 1 NVM 761, 762 Deve List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
761-172	ATC Correction Target Value (Y) at the Dispense Broken occurrence	0	0	1023	ATC correction target value (for Y color) at the Dispense Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-173	ATC Correction Target Value (M) at the Dispense Broken occurrence	0	0	1023	ATC correction target value (for M color) at the Dispense Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-174	ATC Correction Target Value (C) at the Dispense Broken occurrence	0	0	1023	ATC correction target value (for C color) at the Dispense Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-175	ATC Correction Target Value (K) at the Dispense Broken occurrence	0	0	1023	ATC correction target value (for K color) at the Dispense Broken occurrence (Data for investigating the cause of Dispense Broken Fail)		O	O
761-181	Deve Toner Blockage Prevention SW	1	0	3	PS setting that determines how to perform the Deve Toner Blockage Prevention operation. 0: Do not perform, 1: Perform when PS = 102 mm/s, 2: Perform when PS = 102 or 154 mm/s, Perform when PS = 102, 154, or 220 mm/s		O	O
761-182	Deve Toner Breaking Disp Motor Accumulated Time Counter Y	0	0	4294967295	Accumulates the Disp Motor Y drive time during the PS that is selected by the Deve Toner Breaking empty rotation switch [ms].		O	O
761-183	Deve Toner Breaking Disp Motor Accumulated Time Counter M	0	0	4294967295	Accumulates the Disp Motor M drive time during the PS that is selected by the Deve Toner Breaking empty rotation switch [ms].		O	O
761-184	Deve Toner Breaking Disp Motor Accumulated Time Counter C	0	0	4294967295	Accumulates the Disp Motor C drive time during the PS that is selected by the Deve Toner Breaking empty rotation switch [ms].		O	O
761-185	Deve Toner Breaking Disp Motor Accumulated Time Counter K	0	0	4294967295	Accumulates the Disp Motor K drive time during the PS that is selected by the Deve Toner Breaking empty rotation switch [ms].		O	O
761-186	Deve Toner Breaking Disp Motor Accumulated Time Threshold Value Y	425	0	65535	The threshold value at which to perform the Deve Y Toner Breaking empty rotation operation [s].		O	O
761-187	Deve Toner Breaking Disp Motor Accumulated Time Threshold Value M	425	0	65535	The threshold value at which to perform the Deve M Toner Breaking empty rotation operation [s].		O	O
761-188	Deve Toner Breaking Disp Motor Accumulated Time Threshold Value C	425	0	65535	The threshold value at which to perform the Deve C Toner Breaking empty rotation operation [s].		O	O
761-189	Deve Toner Breaking Disp Motor Accumulated Time Threshold Value K	425	0	65535	The threshold value at which to perform the Deve K Toner Breaking empty rotation operation [s].		O	O
761-190	Deve Toner Breaking A4 LEF Conversion Accumulated No. of Sheets Counter YMC	0	0	255	Print number of sheets accumulated value at PS = 308 for resetting the Deve Toner Breaking Disp Motor Accumulated Time Counter Y/M/C.		O	O
761-191	Deve Toner Breaking Stop Continuous Print No. Sheets K	0	0	255	Print number of sheets accumulated value at PS = 308 for resetting the Deve Toner Breaking Disp Motor Accumulated Time Counter K.		O	O
761-192	Deve Toner Breaking Count Clear A4 LEF Accumulated No. of Sheets Threshold Value	20	0	255	Print number of sheets threshold value at PS = 308 for resetting the Deve Toner Breaking Disp Motor Accumulated Time Counter.		O	O
761-193	Toner Breaking Operation Cin	26	0	255	The Cin for printing during Toner Breaking operation [0.391%].		O	O
761-194	Toner Breaking Setup Execution Type	1	0	3	Determines the Setup execution type for Toner Breaking. 0: Perform Deve Toner Broken 1 only, 1: Perform Deve Toner Broken 1 + 2, 2: Perform Deve Toner Broken 1 + 2 + 3, 3: Perform Deve Toner Broken 1 + 2 + 3 + 4		O	O
761-195	Post-Toner Breaking Empty Rotation Operation Cin	26	0	255	The Cin for printing in the empty rotation after Toner Breaking operation [0.391%].		O	O

Table 1 NVM 761, 762 Deve List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
761-196	Post-Toner Breaking Empty Rotation Setup Execution Type	1	0	4	Determines the Setup execution type for the empty rotation after Toner Breaking. 0: Do not perform, 1: Perform Toner Broken Rotate 1 only, 2: Perform Toner Broken Rotate 1 + 2, 3: Perform Toner Broken Rotate 1 + 2 + 3, 4: Perform Toner Broken Rotate 1 + 2 + 3 + 4		O	O
761-197	Deve Toner Breaking Execution Count YMC	0	0	65535	Accumulates the number of times that the Toner Breaking operation was performed after being triggered by Deve Y/M/C [times].		O	O
761-198	Deve Toner Breaking Execution Count K	0	0	65535	Accumulates the number of times that the Toner Breaking operation was performed after being triggered by Deve K [times].		O	O
761-199	Xero Toner Breaking Execution Count YMC	0	0	65535	Accumulates the number of times that the Toner Breaking operation was performed after being triggered by Xero Y/M/C [times].		O	O
761-200	Xero Toner Breaking Execution Count K	0	0	65535	Accumulates the number of times that the Toner Breaking operation was performed after being triggered by Xero K [times].		O	O
761-201	Deve Toner Breaking ICDC Entry Threshold Value Y	400	0	1000	The ICDC 64 panel average A/C threshold value at which to perform the Deve Y Toner Blockage Prevention operation [0.1%].		O	O
761-202	Deve Toner Breaking ICDC Entry Threshold Value M	400	0	1000	The ICDC 64 panel average A/C threshold value at which to perform the Deve M Toner Blockage Prevention operation [0.1%].		O	O
761-203	Deve Toner Breaking ICDC Entry Threshold Value C	400	0	1000	The ICDC 64 panel average A/C threshold value at which to perform the Deve C Toner Blockage Prevention operation [0.1%].		O	O
761-204	Deve Toner Breaking ICDC Entry Threshold Value K	400	0	1000	The ICDC 64 panel average A/C threshold value at which to perform the Deve K Toner Blockage Prevention operation [0.1%].		O	O
762-277	Select Toner Cartridge K	0	0	1	Indicates the selected Cartridge K. 0: K2, 1: K1		O	O
762-278	Toner Status Y	0	0	3	Indicates the remaining toner in Cartridge Y. 0: Toner Full, 1: Low Toner, 2: Toner Near Empty, 3: Toner Empty		O	O
762-279	Toner Status M	0	0	3	Indicates the remaining toner in Cartridge M. 0: Toner Full, 1: Low Toner, 2: Toner Near Empty, 3: Toner Empty		O	O
762-280	Toner Status C	0	0	3	Indicates the remaining toner in Cartridge C. 0: Toner Full, 1: Low Toner, 2: Toner Near Empty, 3: Toner Empty		O	O
762-281	Toner Status K2	0	0	3	Indicates the remaining toner in Cartridge K2. 0: Toner Full, 1: Low Toner, 2: Toner Near Empty, 3: Toner Empty		O	O
762-282	Toner Status K1	0	0	3	Indicates the remaining toner in Cartridge K1. 0: Toner Full, 1: Low Toner, 2: Toner Near Empty, 3: Toner Empty		O	O
762-316	Dispense Status Y	0	0	3	Indicates the detection of Dispense damage status for Y color. 0: Disp Ready, 1: Dispense Doubt, 2: Dispense Near Broken, 3: Dispense Broken		O	O
762-317	Dispense Status M	0	0	3	Indicates the detection of Dispense damage status for M color. 0: Disp Ready, 1: Dispense Doubt, 2: Dispense Near Broken, 3: Dispense Broken		O	O
762-318	Dispense Status C	0	0	3	Indicates the detection of Dispense damage status for C color. 0: Disp Ready, 1: Dispense Doubt, 2: Dispense Near Broken, 3: Dispense Broken		O	O
762-319	Dispense Status K	0	0	3	Indicates the detection of Dispense damage status for K color. 0: Disp Ready, 1: Dispense Doubt, 2: Dispense Near Broken, 3: Dispense Broken		O	O
762-331	First Use Date dd K1	-	0	255	K color 1 - First usage date (Day). Writes data from CRUM Information. (5 bit)		X	O
762-332	First Use Date mm K1	-	0	255	K color 1 - First usage date (Month). Writes data from CRUM Information. (4 bit)		X	O

Table 1 NVM 761, 762 Deve List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
762-333	First Use Date yy K1	-	0	255	K color 1 - First usage date (Year). Writes data from CRUM Information. (5 bit)		X	O
762-334	First Use Date dd K2	-	0	255	K color 2 - First usage date (Day). Writes data from CRUM Information. (5 bit)		X	O
762-335	First Use Date mm K2	-	0	255	K color 2 - First usage date (Month). Writes data from CRUM Information. (4 bit)		X	O
762-336	First Use Date yy K2	-	0	255	K color 2 - First usage date (Year). Writes data from CRUM Information. (5 bit)		X	O
762-337	Disp Time Y	-	0	4294967295	Used to calculate the remaining toner amount in the Y color Tn Cartridge. (Minimum Unit: 1 [ms]) (32 bit) Unit: 1 [ms]	1 [ms]	X	O
762-338	Disp Time M	-	0	4294967295	Used to calculate the remaining toner amount in the M color Tn Cartridge. (Minimum Unit: 1 [ms]) (32 bit) Unit: 1 [ms]	1 [ms]	X	O
762-339	Disp Time C	-	0	4294967295	Used to calculate the remaining toner amount in the C color Tn Cartridge. (Minimum Unit: 1 [ms]) (32 bit) Unit: 1 [ms]	1 [ms]	X	O
762-340	Disp Time K2	-	0	4294967295	Used to calculate the remaining toner amount in the K2 color Tn Cartridge. (Minimum Unit: 1 [ms]) (32 bit) Unit: 1 [ms]	1 [ms]	X	O
762-341	Disp Time K1	-	0	4294967295	Used to calculate the remaining toner amount in the K1 color Tn Cartridge. (Minimum Unit: 1 [ms]) (32 bit) Unit: 1 [ms]	1 [ms]	X	O
762-813	Deve Housing and Material Life Cnt Y	0	0	4294967295	Developer Housing Assy Y operation time with the PS at operation converted to PS: 220 mm/s [10 ms]. Although this is linked to the HFSI Counter, it is not guaranteed during NVM Init.		O	O
762-814	Deve Housing and Material Life Cnt M	0	0	4294967295	Developer Housing Assy M operation time with the PS at operation converted to PS: 220 mm/s [10 ms]. Although this is linked to the HFSI Counter, it is not guaranteed during NVM Init.		O	O
762-815	Deve Housing and Material Life Cnt C	0	0	4294967295	Developer Housing Assy C operation time with the PS at operation converted to PS: 220 mm/s [10 ms]. Although this is linked to the HFSI Counter, it is not guaranteed during NVM Init.		O	O
762-816	Deve Housing and Material Life Cnt K	0	0	4294967295	Developer Housing Assy K operation time with the PS at operation converted to PS: 220 mm/s [10 ms]. Although this is linked to the HFSI Counter, it is not guaranteed during NVM Init.		O	O
762-859	Goal Index [Y]	3	0	6	New D_CFS_CRUM adjustment value target index No. (Unit: Index No. of [D_CFS_CRUM_Tbl])		O	O
762-860	Goal Index [M]	3	0	6	New D_CFS_CRUM adjustment value target index No. (Unit: Index No. of [D_CFS_CRUM_Tbl])		O	O
762-861	Goal Index [C]	3	0	6	New D_CFS_CRUM adjustment value target index No. (Unit: Index No. of [D_CFS_CRUM_Tbl])		O	O
762-862	Goal Index [K]	3	0	6	New D_CFS_CRUM adjustment value target index No. (Unit: Index No. of [D_CFS_CRUM_Tbl])		O	O
762-863	D_CFS_CRUM_Start [Y]	0	-512	511	D_CFS_CRUM adjustment value at replacement.		O	O
762-864	D_CFS_CRUM_Start [M]	0	-512	511	D_CFS_CRUM adjustment value at replacement.		O	O
762-865	D_CFS_CRUM_Start [C]	0	-512	511	D_CFS_CRUM adjustment value at replacement.		O	O
762-866	D_CFS_CRUM_Start [K]	0	-512	511	D_CFS_CRUM adjustment value at replacement.		O	O
762-905	CRUM Mode Information	-	0	1	Stores the CRUM control status. = 1: 3rd Party Mode (without communications with the CRUM), <> 1: Xerox Mode (with communications with the CRUM)		X	X

Table 1 NVM 761, 762 Deve List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
762-906	CRUM Mode Switch	0	0	1	A switch for changing from 3rd Party Mode to Xerox Mode. 0: N/A, 1: Transition to Xerox Mode		O	O
762-928	Custom Mode Switch	0	0	2	Custom Mode switch. 0: Custom Mode [FX,APO/GCO], 1: Xerox Mode, 2: One Time CRUM Mode [XC, XE]		O	O
762-932	MC RF CTR Y	0	0	255	Counts the usage count of the Refill Ctrg Y at the MC.		O	O
762-933	MC RF CTR M	0	0	255	Counts the usage count of the Refill Ctrg M at the MC.		O	O
762-934	MC RF CTR C	0	0	255	Counts the usage count of the Refill Ctrg C at the MC.		O	O
762-935	MC RF CTR K2	0	0	255	Counts the usage count of the Refill Ctrg K2 at the MC.		O	O
762-936	MC RF CTR K1	0	0	255	Counts the usage count of the Refill Ctrg K1 at the MC.		O	O
762-937	Crum RF CTR Y	-	0	255	Counts the number of Crum Y Refill.		X	O
762-938	Crum RF CTR M	-	0	255	Counts the number of Crum M Refill.		X	O
762-939	Crum RF CTR C	-	0	255	Counts the number of Crum C Refill.		X	O
762-940	Crum RF CTR K2	-	0	255	Counts the number of Crum K2 Refill.		X	O
762-941	Crum RF CTR K1	-	0	255	Counts the number of Crum K1 Refill.		X	O
762-969	Deve Motor Drive Sequence at Setup SW	1	0	2	A switch that determines how to perform the Deve Motor drive sequence during Setup (0: Do not perform, 1: Perform, 2: Perform according to the Drum usage condition)		O	O
762-970	Deve Motor Drive Sequence at Setup Drum Cycle Threshold Value	200	1	1000	Drum Cycle threshold value for Deve Motor Drive Sequence at Setup [kcycle].		O	O

6.3.25 NVM 764 Output Control List

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-003	OCT Offset Operation Start Timing	21	0	45	Adjusts the OCT Offset operation start timing. 1 count = 10 ms	10 ms	O	O
764-004	Minimum Gap Between Sets	0	0	450	Adjusts the minimum gap between Sets. = 0: Do not adjust the gap between Sets, < 0: Adjust the gap between Sets, = 1 to 450: The minimum gap between Sets [ms]		O	O
764-006	Module State (for STO)	0	0	2147516416	The Module internal state when IOT Sequence Time Over occurs. = 0x0000: Diag Standby /= 0x0100: Print Standby, = 0x0001: Power Up /= 0x0200: Cycle Up, = 0x0002: Power ON /= 0x0400: Print Ready, = 0x0004: Power Down /= 0x0800: Cycle Down, = 0x0008: Power OFF /= 0x1000: Jam Down, = 0x0010: Print Function Change /= 0x2000: Hard Down, = 0x0020: Energy Save /= 0x4000: Spare, = 0x0040: Low Power /= 0x8000: Diag Function Change, = 0x0080: Power Resume		O	O
764-008	Pitch Occur Check (for STO)	0	-2147483648	2147483647	Allow/do not allow the latest Pitch occurrence when IOT Sequence Time Over STO occurs. = 0: Pitch allowed to occur, < 0: Pitch not allowed to occur, > 0: Wait time until Pitch is allowed to occur		O	O
764-009	Preparation Time (for STO)	0	0	65535	Wait time until the latest paper that is going to be fed can be accepted when IOT Sequence Time Over occurs. = 0 to 65534: Wait time until paper can be accepted, = 65535: Unable to estimate the time needed until paper can be accepted		O	O
764-010	Output State (for STO)	0	0	4294967295	The I/F communication state when IOT Sequence Time Over occurs. bit 0: Initialization Request Send, bit 1: Idle/Initialize Receive State, bit 2: Sleep Send State, bit 3: Sleep Receive State, bit 4: Normal Send State, bit 5: Idle/Standby Receive State, bit 6: Normal Receive State, bit 7: Select Finisher Attribute Send State, bit 8: Cycle Up Receive State, bit 9: Ready Receive State, bit 10: Sheet Finish Request Send State, bit 11: Ready For Next Sheet Receive State, bit 12: Cycle Down Send State, bit 13: Shut Down Send State, bit 14: Cycle Down Receive State, bit 15: Hard Down Receive State, bit 16: Service Diagnostic Send State, bit 17: Service Diagnostic Receive State, bit 18: Download Mode Fail State		O	O
764-011	IFM Out Curl Correction Direction Simplex 1	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - Straight - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. = 1: Correction Direction 1 (Upper High Correction), = 2: Correction Direction 2 (Upper Mid Correction), = 3 Correction Direction 3 (Upper Low Correction), = 4: Correction Direction 4 (Straight Correction), = 5: Correction Direction 5 (Down High Correction), = 6: Correction Direction 6 (Down Mid Correction), = 7: Correction Direction 7 (Down High Correction)		O	O
764-012	IFM Out Curl Correction Direction Simplex 2	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - Straight - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-013	IFM Out Curl Correction Direction Simplex 3	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - Straight - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-014	IFM Out Curl Correction Direction Simplex 4	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - Straight - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-015	IFM Out Curl Correction Direction Simplex 5	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - Straight - 257 <= Weight <= 300 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-016	IFM Out Curl Correction Direction Simplex 6	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - Straight - 257 <= Weight <= 300 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-017	IFM Out Curl Correction Direction Simplex 7	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - Straight - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-018	IFM Out Curl Correction Direction Simplex 8	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - Straight - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-019	IFM Out Curl Correction Direction Simplex 9	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - Straight - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-020	IFM Out Curl Correction Direction Simplex 10	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - Straight - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-021	IFM Out Curl Correction Direction Simplex 11	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - Straight - 257 <= Weight <= 300 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-022	IFM Out Curl Correction Direction Simplex 12	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - Straight - 257 <= Weight <= 300 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-023	IFM Out Curl Correction Direction Simplex 13	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Other than Plain/ Coated - Straight - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-024	IFM Out Curl Correction Direction Simplex 14	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Other than Plain/ Coated - Straight - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-025	IFM Out Curl Correction Direction Simplex 15	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - Invert - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-026	IFM Out Curl Correction Direction Simplex 16	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - Invert - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-027	IFM Out Curl Correction Direction Simplex 17	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - Invert - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-028	IFM Out Curl Correction Direction Simplex 18	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - Invert - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-029	IFM Out Curl Correction Direction Simplex 19	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - Invert - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-030	IFM Out Curl Correction Direction Simplex 20	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - Invert - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-031	IFM Out Curl Correction Direction Simplex 21	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - Invert - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-032	IFM Out Curl Correction Direction Simplex 22	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - Invert - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-033	IFM Out Curl Correction Direction Simplex 23	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - Straight - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-034	IFM Out Curl Correction Direction Simplex 24	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - Straight - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-035	IFM Out Curl Correction Direction Simplex 25	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - Straight - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-036	IFM Out Curl Correction Direction Simplex 26	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - Straight - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-037	IFM Out Curl Correction Direction Simplex 27	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - Straight - 257 <= Weight <= 300 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-038	IFM Out Curl Correction Direction Simplex 28	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - Straight - 257 <= Weight <= 300 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-039	IFM Out Curl Correction Direction Simplex 29	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - Straight - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-040	IFM Out Curl Correction Direction Simplex 30	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - Straight - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-041	IFM Out Curl Correction Direction Simplex 31	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - Straight - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-042	IFM Out Curl Correction Direction Simplex 32	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - Straight - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-043	IFM Out Curl Correction Direction Simplex 33	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - Straight - 257 <= Weight <= 300 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-044	IFM Out Curl Correction Direction Simplex 34	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - Straight - 257 <= Weight <= 300 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-045	IFM Out Curl Correction Direction Simplex 35	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Other than Plain/Coated - Straight - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-046	IFM Out Curl Correction Direction Simplex 36	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Other than Plain/Coated - Straight - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-047	IFM Out Curl Correction Direction Simplex 37	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - Invert - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-048	IFM Out Curl Correction Direction Simplex 38	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - Invert - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-049	IFM Out Curl Correction Direction Simplex 39	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - Invert - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-050	IFM Out Curl Correction Direction Simplex 40	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - Invert - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-051	IFM Out Curl Correction Direction Simplex 41	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - Invert - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-052	IFM Out Curl Correction Direction Simplex 42	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - Invert - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-053	IFM Out Curl Correction Direction Simplex 43	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - Invert - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-054	IFM Out Curl Correction Direction Simplex 44	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - Invert - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-055	IFM Out Curl Correction Direction Simplex 45	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - Straight - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-056	IFM Out Curl Correction Direction Simplex 46	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - Straight - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-057	IFM Out Curl Correction Direction Simplex 47	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - Straight - 177 < = Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-058	IFM Out Curl Correction Direction Simplex 48	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - Straight - 177 < = Weight < 257 [gsm] - Size < = 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-059	IFM Out Curl Correction Direction Simplex 49	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - Straight - 257 < = Weight < = 300 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-060	IFM Out Curl Correction Direction Simplex 50	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - Straight - 257 < = Weight < = 300 [gsm] - Size < = 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-061	IFM Out Curl Correction Direction Simplex 51	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - Straight - 64 < = Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-062	IFM Out Curl Correction Direction Simplex 52	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - Straight - 64 < = Weight < 177 [gsm] - Size < = 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-063	IFM Out Curl Correction Direction Simplex 53	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - Straight - 177 < = Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-064	IFM Out Curl Correction Direction Simplex 54	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - Straight - 177 < = Weight < 257 [gsm] - Size < = 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-065	IFM Out Curl Correction Direction Simplex 55	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - Straight - 257 < = Weight < = 300 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-066	IFM Out Curl Correction Direction Simplex 56	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - Straight - 257 < = Weight < = 300 [gsm] - Size < = 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-067	IFM Out Curl Correction Direction Simplex 57	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Other than Plain/Coated - Straight - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-068	IFM Out Curl Correction Direction Simplex 58	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Other than Plain/Coated - Straight - Size < = 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-069	IFM Out Curl Correction Direction Simplex 59	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - Invert - 64 < = Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-070	IFM Out Curl Correction Direction Simplex 60	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - Invert - 64 < = Weight < 177 [gsm] - Size < = 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-071	IFM Out Curl Correction Direction Simplex 61	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - Invert - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-072	IFM Out Curl Correction Direction Simplex 62	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - Invert - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-073	IFM Out Curl Correction Direction Simplex 63	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - Invert - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-074	IFM Out Curl Correction Direction Simplex 64	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - Invert - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-075	IFM Out Curl Correction Direction Simplex 65	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - Invert - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-076	IFM Out Curl Correction Direction Simplex 66	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - Invert - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-077	IFM Out Curl Correction Direction Duplex 1	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-078	IFM Out Curl Correction Direction Duplex 2	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-079	IFM Out Curl Correction Direction Duplex 3	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-080	IFM Out Curl Correction Direction Duplex 4	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Plain - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-081	IFM Out Curl Correction Direction Duplex 5	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-082	IFM Out Curl Correction Direction Duplex 6	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-083	IFM Out Curl Correction Direction Duplex 7	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-084	IFM Out Curl Correction Direction Duplex 8	4	1	7	Direction of curl correction performed at the IFM. - Humidity <= 33 [%] - Coated - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-085	IFM Out Curl Correction Direction Duplex 9	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-086	IFM Out Curl Correction Direction Duplex 10	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-087	IFM Out Curl Correction Direction Duplex 11	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-088	IFM Out Curl Correction Direction Duplex 12	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Plain - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-089	IFM Out Curl Correction Direction Duplex 13	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-090	IFM Out Curl Correction Direction Duplex 14	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-091	IFM Out Curl Correction Direction Duplex 15	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-092	IFM Out Curl Correction Direction Duplex 16	4	1	7	Direction of curl correction performed at the IFM. - 33 < Humidity <= 66 [%] - Coated - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-093	IFM Out Curl Correction Direction Duplex 17	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-094	IFM Out Curl Correction Direction Duplex 18	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-095	IFM Out Curl Correction Direction Duplex 19	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-096	IFM Out Curl Correction Direction Duplex 20	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Plain - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-097	IFM Out Curl Correction Direction Duplex 21	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-098	IFM Out Curl Correction Direction Duplex 22	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-099	IFM Out Curl Correction Direction Duplex 23	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-100	IFM Out Curl Correction Direction Duplex 24	4	1	7	Direction of curl correction performed at the IFM. - Humidity > 66 [%] - Coated - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-011 on how to specify the correction direction.		O	O
764-101	C-Fin Out Curl Correction Direction Simplex 1	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Plain - Straight - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. = 1: Correction Direction 1 (Upper Correction), = 2: Correction Direction 2 (Straight Correction), = 3: Correction Direction 3 (Down Correction)		O	O
764-102	C-Fin Out Curl Correction Direction Simplex 2	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Plain - Straight - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-103	C-Fin Out Curl Correction Direction Simplex 3	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Plain - Straight - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-104	C-Fin Out Curl Correction Direction Simplex 4	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Plain - Straight - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-105	C-Fin Out Curl Correction Direction Simplex 5	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Plain - Straight - 257 <= Weight <= 300 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-106	C-Fin Out Curl Correction Direction Simplex 6	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Plain - Straight - 257 <= Weight <= 300 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-107	C-Fin Out Curl Correction Direction Simplex 7	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Coated - Straight - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-108	C-Fin Out Curl Correction Direction Simplex 8	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Coated - Straight - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-109	C-Fin Out Curl Correction Direction Simplex 9	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Coated - Straight - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-110	C-Fin Out Curl Correction Direction Simplex 10	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Coated - Straight - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-111	C-Fin Out Curl Correction Direction Simplex 11	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Coated - Straight - 257 <= Weight <= 300 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-112	C-Fin Out Curl Correction Direction Simplex 12	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Coated - Straight - 257 <= Weight <= 300 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-113	C-Fin Out Curl Correction Direction Simplex 13	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Other than Plain/Coated - Straight - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-114	C-Fin Out Curl Correction Direction Simplex 14	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Other than Plain/Coated - Straight - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-115	C-Fin Out Curl Correction Direction Simplex 15	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Plain - Invert - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-116	C-Fin Out Curl Correction Direction Simplex 16	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Plain - Invert - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-117	C-Fin Out Curl Correction Direction Simplex 17	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Plain - Invert - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-118	C-Fin Out Curl Correction Direction Simplex 18	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Plain - Invert - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-119	C-Fin Out Curl Correction Direction Simplex 19	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Coated - Invert - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-120	C-Fin Out Curl Correction Direction Simplex 20	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Coated - Invert - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-121	C-Fin Out Curl Correction Direction Simplex 21	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Coated - Invert - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-122	C-Fin Out Curl Correction Direction Simplex 22	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Coated - Invert - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-123	C-Fin Out Curl Correction Direction Simplex 23	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - Straight - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-124	C-Fin Out Curl Correction Direction Simplex 24	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - Straight - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-125	C-Fin Out Curl Correction Direction Simplex 25	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - Straight - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-126	C-Fin Out Curl Correction Direction Simplex 26	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - Straight - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-127	C-Fin Out Curl Correction Direction Simplex 27	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - Straight - 257 <= Weight <= 300 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-128	C-Fin Out Curl Correction Direction Simplex 28	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - Straight - 257 <= Weight <= 300 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-129	C-Fin Out Curl Correction Direction Simplex 29	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - Straight - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-130	C-Fin Out Curl Correction Direction Simplex 30	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - Straight - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-131	C-Fin Out Curl Correction Direction Simplex 31	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - Straight - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-132	C-Fin Out Curl Correction Direction Simplex 32	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - Straight - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-133	C-Fin Out Curl Correction Direction Simplex 33	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - Straight - 257 <= Weight <= 300 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-134	C-Fin Out Curl Correction Direction Simplex 34	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - Straight - 257 <= Weight <= 300 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-135	C-Fin Out Curl Correction Direction Simplex 35	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Other than Plain/Coated - Straight - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-136	C-Fin Out Curl Correction Direction Simplex 36	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Other than Plain/Coated - Straight - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-137	C-Fin Out Curl Correction Direction Simplex 37	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - Invert - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-138	C-Fin Out Curl Correction Direction Simplex 38	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - Invert - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-139	C-Fin Out Curl Correction Direction Simplex 39	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - Invert - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-140	C-Fin Out Curl Correction Direction Simplex 40	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - Invert - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-141	C-Fin Out Curl Correction Direction Simplex 41	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - Invert - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-142	C-Fin Out Curl Correction Direction Simplex 42	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - Invert - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-143	C-Fin Out Curl Correction Direction Simplex 43	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - Invert - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-144	C-Fin Out Curl Correction Direction Simplex 44	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - Invert - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-145	C-Fin Out Curl Correction Direction Simplex 45	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - Straight - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-146	C-Fin Out Curl Correction Direction Simplex 46	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - Straight - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-147	C-Fin Out Curl Correction Direction Simplex 47	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - Straight - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-148	C-Fin Out Curl Correction Direction Simplex 48	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - Straight - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-149	C-Fin Out Curl Correction Direction Simplex 49	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - Straight - 257 <= Weight <= 300 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-150	C-Fin Out Curl Correction Direction Simplex 50	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - Straight - 257 <= Weight <= 300 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-151	C-Fin Out Curl Correction Direction Simplex 51	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - Straight - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-152	C-Fin Out Curl Correction Direction Simplex 52	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - Straight - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-153	C-Fin Out Curl Correction Direction Simplex 53	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - Straight - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-154	C-Fin Out Curl Correction Direction Simplex 54	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - Straight - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-155	C-Fin Out Curl Correction Direction Simplex 55	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - Straight - 257 <= Weight <= 300 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-156	C-Fin Out Curl Correction Direction Simplex 56	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - Straight - 257 <= Weight <= 300 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-157	C-Fin Out Curl Correction Direction Simplex 57	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Other than Plain/Coated - Straight - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-158	C-Fin Out Curl Correction Direction Simplex 58	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Other than Plain/Coated - Straight - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-159	C-Fin Out Curl Correction Direction Simplex 59	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - Invert - 64 < = Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-160	C-Fin Out Curl Correction Direction Simplex 60	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - Invert - 64 < = Weight < 177 [gsm] - Size < = 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-161	C-Fin Out Curl Correction Direction Simplex 61	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - Invert - 177 < = Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-162	C-Fin Out Curl Correction Direction Simplex 62	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - Invert - 177 < = Weight < 257 [gsm] - Size < = 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-163	C-Fin Out Curl Correction Direction Simplex 63	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - Invert - 64 < = Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-164	C-Fin Out Curl Correction Direction Simplex 64	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - Invert - 64 < = Weight < 177 [gsm] - Size < = 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-165	C-Fin Out Curl Correction Direction Simplex 65	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - Invert - 177 < = Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-166	C-Fin Out Curl Correction Direction Simplex 66	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - Invert - 177 < = Weight < 257 [gsm] - Size < = 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-167	C-Fin Out Curl Correction Direction Duplex 1	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity < = 33 [%] - Plain - 64 < = Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-168	C-Fin Out Curl Correction Direction Duplex 2	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity < = 33 [%] - Plain - 64 < = Weight < 177 [gsm] - Size < = 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-169	C-Fin Out Curl Correction Direction Duplex 3	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity < = 33 [%] - Plain - 177 < = Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-170	C-Fin Out Curl Correction Direction Duplex 4	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity < = 33 [%] - Plain - 177 < = Weight < 257 [gsm] - Size < = 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-171	C-Fin Out Curl Correction Direction Duplex 5	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity < = 33 [%] - Coated - 64 < = Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-172	C-Fin Out Curl Correction Direction Duplex 6	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity < = 33 [%] - Coated - 64 < = Weight < 177 [gsm] - Size < = 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-173	C-Fin Out Curl Correction Direction Duplex 7	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Coated - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-174	C-Fin Out Curl Correction Direction Duplex 8	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity <= 33 [%] - Coated - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-175	C-Fin Out Curl Correction Direction Duplex 9	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-176	C-Fin Out Curl Correction Direction Duplex 10	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-177	C-Fin Out Curl Correction Direction Duplex 11	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-178	C-Fin Out Curl Correction Direction Duplex 12	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Plain - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-179	C-Fin Out Curl Correction Direction Duplex 13	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-180	C-Fin Out Curl Correction Direction Duplex 14	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-181	C-Fin Out Curl Correction Direction Duplex 15	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-182	C-Fin Out Curl Correction Direction Duplex 16	2	1	3	Direction of curl correction performed at the Finisher C. - 33 < Humidity <= 66 [%] - Coated - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-183	C-Fin Out Curl Correction Direction Duplex 17	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - 64 <= Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-184	C-Fin Out Curl Correction Direction Duplex 18	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - 64 <= Weight < 177 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-185	C-Fin Out Curl Correction Direction Duplex 19	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - 177 <= Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O
764-186	C-Fin Out Curl Correction Direction Duplex 20	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Plain - 177 <= Weight < 257 [gsm] - Size <= 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		O	O

Table 1 NVM 764 Output Control List

Chain-Link	NVM Name	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Description	Step	Initialization Possible	Write Possible
764-187	C-Fin Out Curl Correction Direction Duplex 21	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - 64 < = Weight < 177 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		0	0
764-188	C-Fin Out Curl Correction Direction Duplex 22	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - 64 < = Weight < 177 [gsm] - Size < = 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		0	0
764-189	C-Fin Out Curl Correction Direction Duplex 23	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - 177 < = Weight < 257 [gsm] - Size > 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		0	0
764-190	C-Fin Out Curl Correction Direction Duplex 24	2	1	3	Direction of curl correction performed at the Finisher C. - Humidity > 66 [%] - Coated - 177 < = Weight < 257 [gsm] - Size < = 216.0 [mm]. * Refer to 764-101 on how to specify the correction direction.		0	0
764-191	OCT Control Disable for Coated Paper Feed Length 216 mm or Shorter	0	0	1	A switch that determines whether to perform the OCT Control. (Coated, Feed Length 216 mm or shorter). 0: Perform, 1: Do not perform (Prohibit)		0	0
764-192	OCT Control Disable for Coated Paper Feed Length Longer than 216 mm	0	0	1	A switch that determines whether to perform the OCT Control. (Coated, Feed Length longer than 216 mm). 0: Perform, 1: Do not perform (Prohibit)		0	0
764-193	OCT Control Disable Except for Coated Paper Feed Length 216 mm or Shorter	0	0	1	A switch that determines whether to perform the OCT Control. (Other than Coated, Feed Length 216 mm or shorter). 0: Perform, 1: Do not perform (Prohibit)		0	0
764-194	OCT Control Disable Except for Coated Paper Feed Length Longer than 216 mm	0	0	1	A switch that determines whether to perform the OCT Control. (Other than Coated, Feed Length longer than 216 mm). 0: Perform, 1: Do not perform (Prohibit)		0	0

6.3.26 NVM 769 IFM/ICM List

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-003	I/F Module Major Soft Version	Major Version of I/F Module Software.	0	0	65535	X	O
769-004	I/F Module Minor Soft Version	Minor Version of I/F Module Software.	0	0	65535	X	O
769-005	IPL Version	Indicates the IPL Version.	0	0	255	X	O
769-006	NVM Initialize Key	The DC131 area initialization data. This data is checked at power ON and the default value (= [Init]) is used to determine whether the [Auto NVM Initialization Process] is to be performed. = Default value: NVM has been initialized -> NVM will not be initialized at power ON. <> Default value: NVM has not been initialized -> NVM will be initialized at power ON. (Software Control)	1231972724	0	4294967295	X	O
769-008	Power ON Decurler Control	Selects the Decurler Control for when the power is turned ON. When set as '0', the default value in NVM 769-009 (Decurler Control Memory) is used as the Decurler Control when the power is turned ON. 0: The control before power OFF 1: Auto	0	0	1	O	O
769-009	Decurler Control Memory	Stores the Decurler Control at power OFF (the state that was set by Manual SW). It is changed to the default when the power is turned OFF. 0: Auto 1: Manual Pene Up 10 2: Manual Pene Up 8 3: Manual Pene Up 6 4: Manual Pene Up 2 5: Manual Pene Down 6 6: Manual Pene Down 8 7: Manual Pene Down 10 8: Not fixed	0	0	8	O	O
769-010	Decurler Auto LED ON Time	Changes the Decurler LED ON time when the Decurler Control is set to [Auto]. 1 = 100 ms	20	1	100	O	O
769-012	Transparency Curl Correction 1	Changes whether the Curl Correction for Transparency that was fed from the IOT is to be enabled according to the Manual Decurler SW Settings. 0: Do not follow the Manual Decurler SW Settings. 1: Follow the Manual Decurler SW Settings.	0	0	1	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-013	Transparency Curl Correction 2	This NVM changes the Curl Correction Amount for Transparency that was fed from the IOT and it becomes valid when the NVM 769-012 (Transparency Curl Correction 1) is set to '0'. When this setting is '0' (Auto), it will apply the curl correction that was notified from the post-processing devices or the IOT regardless of the Manual Decurler SW Settings. When this setting is '1' to '7', it will apply the curl correction that is set in this NVM regardless of the Manual Decurler SW Settings. 0: Auto 1: Pene Up 10 (Down High) 2: Pene Up 8 (Down Mid) 3: Pene Up 6 (Down Low) 4: Pene Up 2 (Straight) 5: Pene Down 6 (Up Low) 6: Pene Down 8 (Up Mid) 7: Pene Down10 (Up High) 8: Follow the Manual Decurler SW Settings	4	0	8	O	O
769-014	Transfer Paper Curl Correction 1	Changes whether the Curl Correction for Transfer Paper that was fed from the IOT is to be enabled according to the Manual Decurler SW Settings. 0: Do not follow the Manual Decurler SW Settings. 1: Follow the Manual Decurler SW Settings.	0	0	1	O	O
769-015	Transfer Paper Curl Correction Amount 2	This NVM changes the Curl Correction Amount for Transfer Paper that was fed from the IOT and it becomes valid when the NVM 769-014 (Transfer Paper Curl Correction 1) is set to '0'. When this setting is '0' (Auto), it will apply the curl correction that was notified from the post-processing devices or the IOT regardless of the Manual Decurler SW Settings. When this setting is '1' to '7', it will apply the curl correction that is set in this NVM regardless of the Manual Decurler SW Settings. 0: Auto 1: Pene Up 10 (Down High) 2: Pene Up 8 (Down Mid) 3: Pene Up 6 (Down Low) 4: Pene Up 2 (Straight) 5: Pene Down 6 (Up Low) 6: Pene Down 8 (Up Mid) 7: Pene Down10 (Up High) 8: Follow the Manual Decurler SW Settings	4	0	8	O	O
769-016	Labels Curl Correction 1	Changes whether the Curl Correction for Labels and HW Labels that was fed from the IOT is to be enabled according to the Manual Decurler SW Settings. 0: Do not follow the Manual Decurler SW Settings. 1: Follow the Manual Decurler SW Settings.	0	0	1	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-017	Labels Curl Correction Amount 2	<p>This NVM changes the Curl Correction Amount for Labels that was fed from the IOT and it becomes valid when the NVM 769-014 (Transfer Paper Curl Correction 1) is set to '0'. When this setting is '0' (Auto), it will apply the curl correction that was notified from the post-processing devices or the IOT regardless of the Manual Decurler SW Settings. When this setting is '1' to '7', it will apply the curl correction that is set in this NVM regardless of the Manual Decurler SW Settings.</p> <p>0: Auto 1: Pene Up 10 (Down High) 2: Pene Up 8 (Down Mid) 3: Pene Up 6 (Down Low) 4: Pene Up 2 (Straight) 5: Pene Down 6 (Up Low) 6: Pene Down 8 (Up Mid) 7: Pene Down10 (Up High) 8: Follow the Manual Decurler SW Settings</p>	4	0	8	O	O
769-034	I/F Cooling Fan Operation 1	<p>Determines whether to activate the I/F Cooling Fan 1 to 6.</p> <p>0: Activate all. 1: Activate the I/F Cooling Fan 3 to 5. 2: Activate the I/F Cooling Fan 1, 2, and 5. 3: Activate the I/F Cooling Fan 5.</p>	0	0	3	O	O
769-072	I/F Cooling Fan Operation 2	<p>Determines whether the I/F Cooling Fan will operate at the output destination. However, ICP is not included in the shelf count.</p> <p>0: Operate for all output destinations. 1: Operate when outputting to the 1st shelf directly below the IFM. 2: Operate when outputting until the 2nd shelf directly below the IFM. 3: Operate when outputting until the 3rd shelf directly below the IFM. 4: Operate when outputting until the 4th shelf directly below the IFM. 5: Operate when outputting until the 5th shelf directly below the IFM.</p>	0	0	5	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-073	I/F Cooling Fan Operation 3	Determines whether the I/F Cooling Fan should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to Plain, Recycled, Reload, and Hole Punched Paper. 0: Do not operate. 1: Operate only for 1 Sided/Single Color. 2: Operate only for 2 Sided/Single Color. 3: Operate only for 1 Sided/Single Color, 2 Sided/Single Color. 4: Operate only for 1 Sided/Color. 5: Operate only for 2 Sided/Color. 6: Operate only for 1 Sided/Color, 2 Sided/Color. 7: Operate only for 1 Sided/Single Color, 1 Sided/Color. 8: Operate only for 1 Sided/Single Color, 2 Sided/Color. 9: Operate only for 1 Sided/Single Color, 1 Sided/Color, 2 Sided/Color. 10: Operate only for 2 Sided/Single Color, 1 Sided/Color. 11: Operate only for 2 Sided/Single Color, 2 Sided/Color. 12: Operate only for 2 Sided/Single Color, 1 Sided/Color, 2 Sided/Color. 13: Operate only for 1 Sided/Single Color, 2 Sided/Single Color, 1 Sided/Color. 14: Operate only for 1 Sided/Single Color, 2 Sided/Single Color, 2 Sided/Color. 15: Operate for all.	11	0	15	O	O
769-074	I/F Cooling Fan Operation 4	Determines whether the I/F Cooling Fan should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to Heavyweight, Heavyweight (Reload), Tab Stock, and Hole Punched Heavyweight Paper. The meaning of the NVM is the same as in 769-073.	15: ICM 11: IFM	0	15	O	O
769-075	I/F Cooling Fan Operation 5	Determines whether the I/F Cooling Fan should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to Extra Heavyweight, Extra Heavyweight (Reload), HW Tab Stock, and Hole Punched Extra Heavyweight Paper. The meaning of the NVM is the same as in 769-073.	15: ICM 0: IFM	0	15	O	O
769-076	I/F Cooling Fan Operation 6	Determines whether the I/F Cooling Fan should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to Gloss and Gloss (Reload) Paper. The meaning of the NVM is the same as in 769-073.	15		15	O	O
769-077	I/F Cooling Fan Operation 7	Determines whether the I/F Cooling Fan should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to HW Gloss and HW Gloss (Reload) Paper. The meaning of the NVM is the same as in 769-073.	15	0	15	O	O
769-078	I/F Cooling Fan Operation 8	Determines whether the I/F Cooling Fan should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to Transparency and Tack Film (Adhesive). The meaning of the NVM is the same as in 769-073.	7	0	15	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-079	I/F Cooling Fan Operation 9	Determines whether the I/F Cooling Fan should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to Labels, HW Labels and Transfer Paper. The meaning of the NVM is the same as in 769-073.	7	0	15	O	O
769-080	Pitch Dispersion Between Paper (Change in Paper Size)	Increases the pitch between paper when the paper size is changed. (Unit: 1 ms)	0	0	200	O	O
769-081	Pitch Dispersion Between Paper (Change in Paper Type)	Increases the pitch between paper when the paper type is changed. (Unit: 1 ms)	0	0	200	O	O
769-082	Pitch Dispersion Between Paper (Change in Feed Tray)	Increases the pitch between paper when the Feed Tray is changed. (Unit: 1 ms)	0	0	200	O	O
769-083	Pitch Dispersion Between Paper (Change in Output Face)	Increases the pitch between paper when the output face (Simp/Invert/Dup) is changed. (Unit: 1 ms)	0	0	200	O	O
769-084	Pitch Dispersion Between Paper (Lightweight, 300 mm or Shorter)	Increases the pitch between paper when continuously feeding Lightweight paper with size 300 mm or shorter in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-085	Pitch Dispersion Between Paper (Lightweight, Longer than 300 mm)	Increases the pitch between paper when continuously feeding Lightweight paper with size longer than 300 mm in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-086	Pitch Dispersion Between Paper (Plain/Reload/Recycled/Hole Punched, 300 mm or Shorter)	Increases the pitch between paper when continuously feeding Plain/Reload/Recycled/Hole Punched paper with size 300 mm or shorter in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-087	Pitch Dispersion Between Paper (Plain/Reload/Recycled/Hole Punched, Longer than 300 mm)	Increases the pitch between paper when continuously feeding Plain/Reload/Recycled/Hole Punched paper with size longer than 300 mm in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-088	Pitch Dispersion Between Paper (Heavyweight/Heavyweight Reload/Hole Punched Heavyweight, 300 mm or Shorter)	Increases the pitch between paper when continuously feeding Heavyweight paper with size 300 mm or shorter in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-089	Pitch Dispersion Between Paper (Heavyweight/Heavyweight Reload/Hole Punched Heavyweight, Longer than 300 mm)	Increases the pitch between paper when continuously feeding Heavyweight paper with size longer than 300 mm in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-090	Pitch Dispersion Between Paper (Tab Stock, 300 mm or Shorter)	Increases the pitch between paper when continuously feeding Tab Stock paper with size 300 mm or shorter in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-091	Pitch Dispersion Between Paper (Tab Stock, Longer than 300 mm)	Increases the pitch between paper when continuously feeding Tab Stock paper with size longer than 300 mm in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-092	Pitch Dispersion Between Paper (Gloss/Gloss Reload, 300 mm or Shorter)	Increases the pitch between paper when continuously feeding Gloss paper with size 300 mm or shorter in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-093	Pitch Dispersion Between Paper (Gloss, Longer than 300 mm)	Increases the pitch between paper when continuously feeding Gloss paper with size longer than 300 mm in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-094	Pitch Dispersion Between Paper (Extra Heavyweight/Extra Heavyweight Reload/HW Tab Stock/HW Gloss/HW Gloss Reload, 300 mm or Shorter)	Increases the pitch between paper when continuously feeding Extra Heavyweight/Extra Heavyweight Reload/HW Tab Stock/HW Gloss/HW Gloss Reload paper with size 300 mm or shorter in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-095	Pitch Dispersion Between Paper (Extra Heavyweight/Extra Heavyweight Reload/HW Tab Stock/HW Gloss/HW Gloss Reload, Longer than 300 mm)	Increases the pitch between paper when continuously feeding Extra Heavyweight/Extra Heavyweight Reload/HW Tab Stock/HW Gloss/HW Gloss Reload paper with size longer than 300 mm in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-096	Pitch Dispersion Between Paper (Transparency/Labels/HW Labels/Transfer Paper/Tack Film (Adhesive), 300 mm or Shorter)	Increases the pitch between paper when continuously feeding Transparency/Labels/HW Labels/Transfer Paper/Tack Film (Adhesive) paper with size 300 mm or shorter in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-097	Pitch Dispersion Between Paper (Transparency/Labels/HW Labels/Transfer Paper/Tack Film (Adhesive), Longer than 300 mm)	Increases the pitch between paper when continuously feeding Transparency/Labels/HW Labels/Transfer Paper/Tack Film (Adhesive) paper with size longer than 300 mm in the feed direction (SS direction). (Unit: 1 ms)	0	0	200	O	O
769-126	IFM Paper Exit Count	Displays the Recycle Count (Counts the no. of sheets of paper that had passed through the I/F Exit Sensor). The display is in units of 1000 sheets, NVM value x 1000.	0	0	65000	X	X
769-127	IFM Decurler Change Count	Displays the Recycle Count (Counts the no. of times the Decurler has switched). The display is in units of 1000 times, NVM value x 1000.	0	0	65000	X	X
769-128	IFM Gate Change Count	Displays the Recycle Count (Counts the no. of times the Gate has switched). The display is in units of 1000 times, NVM value x 1000.	0	0	65000	X	X
769-129	Tack Film (Adhesive) Curl Correction 1	Changes whether the Curl Correction for Tack Film (Adhesive) that was fed from the IOT is to be enabled according to the Manual Decurler SW Settings. 0: Do not follow the Manual Decurler SW Settings. 1: Follow the Manual Decurler SW Settings.	0	0	1	O	O
769-130	Tack Film (Adhesive) Curl Correction 2	This NVM changes the Curl Correction Amount for Tack Film (Adhesive) that was fed from the IOT and it becomes valid when the NVM 769-129 (Tack Film (Adhesive) Curl Correction 1) is set to '0'. When this setting is '0' (Auto), it will apply the curl correction that was notified from the post-processing devices or the IOT regardless of the Manual Decurler SW Settings. When this setting is '1' to '7', it will apply the curl correction that is set in this NVM regardless of the Manual Decurler SW Settings. 0: Auto 1: Pene Up 10 (Down High) 2: Pene Up 8 (Down Mid) 3: Pene Up 6 (Down Low) 4: Pene Up 2 (Straight) 5: Pene Down 6 (Up Low) 6: Pene Down 8 (Up Mid) 7: Pene Down10 (Up High) 8: Follow the Manual Decurler SW Settings.	4	0	8	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-135	Communication Failure - Fail Origin Device ID	Communication Failure - Fail Origin Device ID. 0: IOT 1: HCS 1 2: Finisher D 3: HCS 2 4: Tape (Software Control)	0	0	255	X	X
769-136	Communication Failure - Fail Type	Communication Failure - Fail Type. 1: Send Queue Storage NG 5: Receive Checksum Error 6: Communication Layer Physical Error (Parity Error, etc.) 7: Receive Timeout Between Bytes 8: No ACK (Software Control)	0	0	255	X	X
769-137	Communication Failure - Sending Status	Communication Failure - Sending Status. 0: Idle (not sending) 1: Sending SYNC Packet 2: Sending ACK Packet 3: Sending Message 8: No ACK (Software Control)	0	0	255	X	X
769-138	Communication Failure - Receiving Status	Communication Failure - Receiving Status. 0: Idle 6: Waiting to receive Msg Length 7: Waiting to receive Client Data/Checksum 8: Waiting to receive DEL/SYN Trailer after receiving the SYN Header 9: Waiting to receive DEL/SYN Trailer 1 after receiving the SYN Header 10: Waiting to receive DEL/SYN Trailer 2 after receiving the SYN Header (Software Control)	0	0	255	X	X
769-139	Communication Failure - Sending Physical Layer Usage Status	Communication Failure - Sending Physical Layer Usage Status. 0: Currently not sending 1: Sending in progress (Software Control)	0	0	255	X	X
769-140	Communication Failure - Receive Function Wait Status	Communication Failure - Receive Function Wait Status. 0: Receive function is not in use 1: Receive function is in use (Software Control)	0	0	255	X	X
769-141	Communication Failure - Communication Physical Layer Error Status	Communication Failure - Communication Physical Layer Error Status. The CPU register SSR (Serial Status Register) value. Valid when 769-136 = '6'. (Software Control)	0	0	255	X	X

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-142	Communication Fail - No. of Occurrences	Communication Fail - No. of Occurrences. When this NVM is '1' or higher, 769-135 to 141 will contain the logs of current communication failures that have happened. When it is '0', 769-135 to 141 will contain the logs of communication failures that had happened in the past. (Software Control)	0	0	255	X	X
769-180	Simplex Straight BW Paper Decurler Setting 1 (Paper Length <= 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Straight output of Plain, Recycled, Hole Punched, Reload, and Lightweight paper for Paper Length <= 216 mm in BW Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto (the setting that is notified from the IOT) 1: Up High (perform strong curl correction in the up direction) 2: Up Mid (perform medium curl correction in the up direction) 3: Up Low (perform weak curl correction in the up direction) 4: Straight (no curl correction) 5: Down Low (perform weak curl correction in the down direction) 6: Down Mid (perform medium curl correction in the down direction) 7: Down High (perform strong curl correction in the down direction)	0	0	7	O	O
769-181	Simplex Straight BW Paper Decurler Setting 2 (Paper Length <= 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Straight output of Heavyweight, Extra Heavyweight, Heavyweight Reload, Extra Heavyweight Reload, Hole Punched Heavyweight, Hole Punched Extra Heavyweight, Gloss, HW Gloss, Gloss Reload, HW Gloss Reload, Tab Stock, and HW Tab Stock paper for Paper Length <= 216 mm in BW Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-182	Simplex Straight BW Paper Decurler Setting 3 (Paper Length > 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Straight output of Plain, Recycled, Hole Punched, Reload, and Lightweight paper for Paper Length > 216 mm in BW Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	0	0
769-183	Simplex Straight BW Paper Decurler Setting 4 (Paper Length > 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Straight output of Heavyweight, Extra Heavyweight, Heavyweight Reload, Extra Heavyweight Reload, Hole Punched Heavyweight, Hole Punched Extra Heavyweight, Gloss, HW Gloss, Gloss Reload, HW Gloss Reload, Tab Stock, and HW Tab Stock paper for Paper Length > 216 mm in BW Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	0	0
769-184	Simplex Invert BW Paper Decurler Setting 1 (Paper Length < = 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Invert output of Plain, Recycled, Hole Punched, Reload, and Lightweight paper for Paper Length < = 216 mm in BW Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	0	0

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-185	Simplex Invert BW Paper Decurler Setting 2 (Paper Length <= 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Invert output of Heavyweight, Extra Heavyweight, Heavyweight Reload, Extra Heavyweight Reload, Hole Punched Heavyweight, Hole Punched Extra Heavyweight, Gloss, HW Gloss, Gloss Reload, HW Gloss Reload, Tab Stock, and HW Tab Stock paper for Paper Length <= 216 mm in BW Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	0	0
769-186	Simplex Invert BW Paper Decurler Setting 3 (Paper Length > 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Invert output of Plain, Recycled, Hole Punched, Reload, and Lightweight paper for Paper Length > 216 mm in BW Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	0	0
769-187	Simplex Invert BW Paper Decurler Setting 4 (Paper Length > 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Invert output of Heavyweight, Extra Heavyweight, Heavyweight Reload, Extra Heavyweight Reload, Hole Punched Heavyweight, Hole Punched Extra Heavyweight, Gloss, HW Gloss, Gloss Reload, HW Gloss Reload, Tab Stock, and HW Tab Stock paper for Paper Length > 216 mm in BW Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	0	0

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-188	Duplex BW Paper Decurler Setting 1 (Paper Length <= 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Duplex output of Plain, Recycled, Hole Punched, Reload, and Lightweight paper for Paper Length <= 216 mm in BW Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto (the setting that is notified from the IOT) 1: Up High (perform strong curl correction in the up direction) 2: Up Mid (perform medium curl correction in the up direction) 3: Up Low (perform weak curl correction in the up direction) 4: Straight (no curl correction) 5: Down Low (perform weak curl correction in the down direction) 6: Down Mid (perform medium curl correction in the down direction) 7: Down High (perform strong curl correction in the down direction)	0	0	7	0	0
769-189	Duplex BW Paper Decurler Setting 2 (Paper Length <= 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Duplex output of Heavyweight, Extra Heavyweight, Heavyweight Reload, Extra Heavyweight Reload, Hole Punched Heavyweight, Hole Punched Extra Heavyweight, Gloss, HW Gloss, Gloss Reload, HW Gloss Reload, Tab Stock, and HW Tab Stock paper for Paper Length <= 216 mm in BW Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	0	0
769-190	Duplex BW Paper Decurler Setting 3 (Paper Length > 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Duplex output of Plain, Recycled, Hole Punched, Reload, and Lightweight paper for Paper Length > 216 mm in BW Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	0	0

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-191	Duplex BW Paper Decurler Setting 4 (Paper Length > 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Duplex output of Heavyweight, Extra Heavyweight, Heavyweight Reload, Extra Heavyweight Reload, Hole Punched Heavyweight, Hole Punched Extra Heavyweight, Gloss, HW Gloss, Gloss Reload, HW Gloss Reload, Tab Stock, and HW Tab Stock paper for Paper Length > 216 mm in BW Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	O	O
769-192	Simplex Straight FC Paper Decurler Setting 1 (Paper Length < = 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Straight output of Plain, Recycled, Hole Punched, Reload, and Lightweight paper for Paper Length < = 216 mm in FC Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto (the setting that is notified from the IOT) 1: Up High (perform strong curl correction in the up direction) 2: Up Mid (perform medium curl correction in the up direction) 3: Up Low (perform weak curl correction in the up direction) 4: Straight (no curl correction) 5: Down Low (perform weak curl correction in the down direction) 6: Down Mid (perform medium curl correction in the down direction) 7: Down High (perform strong curl correction in the down direction)	0	0	7	O	O
769-193	Simplex Straight FC Paper Decurler Setting 2 (Paper Length < = 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Straight output of Heavyweight, Extra Heavyweight, Heavyweight Reload, Extra Heavyweight Reload, Hole Punched Heavyweight, Hole Punched Extra Heavyweight, Gloss, HW Gloss, Gloss Reload, HW Gloss Reload, Tab Stock, and HW Tab Stock paper for Paper Length < = 216 mm in FC Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-194	Simplex Straight FC Paper Decurler Setting 3 (Paper Length > 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Straight output of Plain, Recycled, Hole Punched, Reload, and Lightweight paper for Paper Length > 216 mm in FC Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	O	O
769-195	Simplex Straight FC Paper Decurler Setting 4 (Paper Length > 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Straight output of Heavyweight, Extra Heavyweight, Heavyweight Reload, Extra Heavyweight Reload, Hole Punched Heavyweight, Hole Punched Extra Heavyweight, Gloss, HW Gloss, Gloss Reload, HW Gloss Reload, Tab Stock, and HW Tab Stock paper for Paper Length > 216 mm in FC Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	O	O
769-196	Simplex Invert FC Paper Decurler Setting 1 (Paper Length < = 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Invert output of Plain, Recycled, Hole Punched, Reload, and Lightweight paper for Paper Length < = 216 mm in FC Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-197	Simplex Invert FC Paper Decurler Setting 2 (Paper Length <= 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Invert output of Heavyweight, Extra Heavyweight, Heavyweight Reload, Extra Heavyweight Reload, Hole Punched Heavyweight, Hole Punched Extra Heavyweight, Gloss, HW Gloss, Gloss Reload, HW Gloss Reload, Tab Stock, and HW Tab Stock paper for Paper Length <= 216 mm in FC Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	0	0
769-198	Simplex Invert FC Paper Decurler Setting 3 (Paper Length > 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Invert output of Plain, Recycled, Hole Punched, Reload, and Lightweight paper for Paper Length > 216 mm in FC Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	0	0
769-199	Simplex Invert FC Paper Decurler Setting 4 (Paper Length > 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Simplex Invert output of Heavyweight, Extra Heavyweight, Heavyweight Reload, Extra Heavyweight Reload, Hole Punched Heavyweight, Hole Punched Extra Heavyweight, Gloss, HW Gloss, Gloss Reload, HW Gloss Reload, Tab Stock, and HW Tab Stock paper for Paper Length > 216 mm in FC Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	0	0

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-200	Duplex FC Paper Decurler Setting 1 (Paper Length <= 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Duplex output of Plain, Recycled, Hole Punched, Reload, and Lightweight paper for Paper Length <= 216 mm in FC Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto (the setting that is notified from the IOT) 1: Up High (perform strong curl correction in the up direction) 2: Up Mid (perform medium curl correction in the up direction) 3: Up Low (perform weak curl correction in the up direction) 4: Straight (no curl correction) 5: Down Low (perform weak curl correction in the down direction) 6: Down Mid (perform medium curl correction in the down direction) 7: Down High (perform strong curl correction in the down direction)	0	0	7	O	O
769-201	Duplex FC Paper Decurler Setting 2 (Paper Length <= 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Duplex output of Heavyweight, Extra Heavyweight, Heavyweight Reload, Extra Heavyweight Reload, Hole Punched Heavyweight, Hole Punched Extra Heavyweight, Gloss, HW Gloss, Gloss Reload, HW Gloss Reload, Tab Stock, and HW Tab Stock paper for Paper Length <= 216 mm in FC Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	O	O
769-202	Duplex FC Paper Decurler Setting 3 (Paper Length > 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Duplex output of Plain, Recycled, Hole Punched, Reload, and Lightweight paper for Paper Length > 216 mm in FC Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-203	Duplex FC Paper Decurler Setting 4 (Paper Length > 216 mm)	The NVM that corresponds to the HCS stacker output. The following decurler settings are made for Duplex output of Heavyweight, Extra Heavyweight, Heavyweight Reload, Extra Heavyweight Reload, Hole Punched Heavyweight, Hole Punched Extra Heavyweight, Gloss, HW Gloss, Gloss Reload, HW Gloss Reload, Tab Stock, and HW Tab Stock paper for Paper Length > 216 mm in FC Image Quality Mode. This is not related to the I/F Module Interposer. 0: Auto 1: Up High 2: Up Mid 3: Up Low 4: Straight 5: Down Low 6: Down Mid 7: Down High	0	0	7	O	O
769-223	Dolly Paper Check	The NVM that corresponds to the HCS. Do not allow the Elevator Motor to operate when the Stack No Paper Sensor is ON (paper exists) at the SW Close after the F-DOOR SW OPEN. (The Stacker will not be raised) 0: Disabled 1: Enabled	0	0	1	O	O
769-283	Fan Restart Control Time	Sets the time for the operation interval when the I/F Cooling Fan 3/4 turns from OFF to ON. If the time taken for the Fan 3/4 to turn from OFF to ON is within the settings value, the Fan will turn ON after the time in the settings value had passed. (1 = 100 ms)	25	0	250	O	O
769-302	Upper Tray Nudger Solenoid ON Timing	Adjusts the Upper Tray Nudger Solenoid ON Timing. 1 count = 10 ms. With 10 = 100 ms, adjustment can be made in the range of 0 to 200 ms.	10	0	20	O	O
769-303	Lower Tray Nudger Solenoid ON Timing	Adjusts the Lower Tray Nudger Solenoid ON Timing. 1 count = 10 ms. With 10 = 100 ms, adjustment can be made in the range of 0 to 200 ms.	10	0	20	O	O
769-306	Upper Tray Takeaway Motor Drive Timing (Full Speed Mode)	Adjusts the Upper Tray Takeaway Motor Drive Timing. 1 count = 10 ms. With 7 = 70 ms, adjustment can be made in the range of +/-100 ms.	7	0	20	O	O
769-307	Upper Tray Trans Motor Drive Timing (Full Speed Mode)	Adjusts the Upper Tray Takeaway Motor Drive Timing. 1 count = 10 ms. With 16 = 160 ms, adjustment can be made in the range of +/-100 ms.	7	6	26	O	O
769-308	Lower Tray Takeaway Motor Drive Timing (Full Speed Mode)	Adjusts the Lower Tray Takeaway Motor Drive Timing. 1 count = 10 ms. With 7 = 70 ms, adjustment can be made in the range of +/-100 ms.	7	0	20	O	O
769-309	Lower Tray Trans Motor Drive Timing (Full Speed Mode)	Adjusts the Lower Tray Takeaway Motor Drive Timing. 1 count = 10 ms. With 16 = 160 ms, adjustment can be made in the range of +/-100 ms.	7	6	26	O	O
769-310	Takeaway & Trans Motor Restart Timing	Adjusts the Restart Timing after the Takeaway Motor temporary stop. 1 count = 10 ms. With 10 = 10 ms, adjustment can be made in the range of +/-100 ms.	10	0	20	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-311	Tray Lifter Adjust Time	Adjusts the Tray Lifter Adjust Time. 1 count = 10 ms. With 10 = 100 ms, adjustment can be made in the range of 0 to 200 ms.	10	0	20	O	O
769-312	Upper Tray Lift Up Time	Displays the Lift Up Time of Upper Tray. -> Check the Lift Up Time on the Diag.	0	0	6000	O	O
769-313	Lower Tray Lift Up Time	Displays the Lift Up Time of Lower Tray. -> Check the Lift Up Time on the Diag.	0	0	6000	O	O
769-314	Upper Tray Side Guide Minimum Position	The Upper Tray Paper Detection Size (stores the analog value of minimum movable width for the Side Guide). 1 count = 1	966	905	1023	O	O
769-315	Upper Tray Side Guide Maximum Position	The Upper Tray Paper Detection Size (stores the analog value of maximum movable width for the Side Guide). 1 count = 1	60	0	164	O	O
769-316	Lower Tray Side Guide Minimum Position	The Lower Tray Paper Detection Size (stores the analog value of minimum movable width for the Side Guide). 1 count = 1	966	905	1023	O	O
769-317	Lower Tray Side Guide Maximum Position	The Lower Tray Paper Detection Size (stores the analog value of maximum movable width for the Side Guide). 1 count = 1	60	0	164	O	O
769-329	Upper Tray Nudger Solenoid OFF Timing	Adjusts the Upper Nudger Solenoid OFF Timing. 1 count = 10 ms. With 0 = 0 ms, adjustment can be made within the range of +100 ms.	0	0	10	O	O
769-330	Lower Tray Nudger Solenoid OFF Timing	Adjusts the Lower Nudger Solenoid OFF Timing. 1 count = 10 ms. With 0 = 0 ms, adjustment can be made within the range of +100 ms.	0	0	10	O	O
769-333	Interposer Feed Out Sensor Off Filter Time	Adjusts the OFF Filter time for the Interposer Feed Out Sensor. (Only when 742-368 = '1' and feeding from the Interposer) 1 count = 1 ms With 56 = 56 ms, adjustment can be made in the range of 0 to 1000 ms.	56	0	1000	O	O
769-334	Interposer I/F In Sensor Off Filter Time	Adjusts the OFF Filter time for the Interposer I/F In Sensor. (Only when 742-368 = '1' and feeding from the Interposer) 1 count = 1 ms With 56 = 56 ms, adjustment can be made in the range of 0 to 1000 ms.	56	0	1000	O	O
769-335	Interposer Multi-sheet Feed Detection Initial Sampling Count	Adjusts the no. of times to perform the Initial Sampling for Multi-sheet Feed Detection. 1 count = 1 time With 10 = 10 times, adjustment can be made in the range of 1 to 10 times.	10	1	10	O	O
769-336	Interposer Multi-sheet Feed Detection Paper Exist in Tray Sampling Count	Adjusts the no. of times to perform the Paper Exist in Tray Sampling for Multi-sheet Feed Detection. 1 count = 1 time With 1 = 4 times, adjustment can be made in the range of 1 to 10 times.	1	1	10	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-337	Interposer Multi-sheet Feed Detection No Paper Sampling Count	Adjusts the no. of times to perform the No Paper Sampling for Multi-sheet Feed Detection. 1 count = 1 time With 3 = 3 times, adjustment can be made in the range of 1 to 10 times.	3	1	10	O	O
769-338	Interpoer Multi-sheet Feed Detection Comparison R/E Ratio Adjustment Value	Adjusts the Comparison R/E Ratio Adjustment Value for Multi-sheet Feed Detection. 1 count = 0.1 factor multiplication With 16 = 1.6 factor multiplication, adjustment can be made in the range of 10 to 20.	16	10	20	O	O
769-339	Interposer Multi-sheet Feed Detection Paper Exist in Upper Tray Sampling Min Value Delete Count	Adjusts the Paper Exist in Tray Sampling Min Value Delete Count for Multi-sheet Feed Detection. 1 count = 1 piece With 0 = 0 piece, adjustment can be made in the range of 1 to 3 pieces.	1	0	3	O	O
769-340	Interposer Multi-sheet Feed Detection Paper Exist in Upper Tray Sampling Max Value Delete Count	Adjusts the Paper Exist in Tray Sampling Max Value Delete Count for Multi-sheet Feed Detection. 1 count = 1 piece With 0 = 0 piece, adjustment can be made in the range of 1 to 3 pieces.	0	0	3	O	O
769-341	Interposer Multi-sheet Feed Detection Paper Exist in Lower Tray Sampling Min Value Delete Count	Adjusts the Paper Exist in Tray Sampling Min Value Delete Count for Multi-sheet Feed Detection. 1 count = 1 piece With 0 = 0 piece, adjustment can be made in the range of 1 to 3 pieces.	1	0	3	O	O
769-342	Interposer Multi-sheet Feed Detection Paper Exist in Lower Tray Sampling Max Value Delete Count	Adjusts the Paper Exist in Tray Sampling Max Value Delete Count for Multi-sheet Feed Detection. 1 count = 1 piece With 0 = 0 piece, adjustment can be made in the range of 1 to 3 pieces.	0	0	3	O	O
769-343	Interposer Multi-sheet Feed Detection No Paper Sampling Min Value Delete Count	Adjusts the No Paper Sampling Min Value Delete Count for Multi-sheet Feed Detection. 1 count = 1 piece With 1 = 1 piece, adjustment can be made in the range of 1 to 3 pieces.	1	0	3	O	O
769-344	Interposer Multi-sheet Feed Detection No Paper Sampling Max Value Delete Count	Adjusts the No Paper Sampling Max Value Delete Count for Multi-sheet Feed Detection. 1 count = 1 piece With 0 = 0 piece, adjustment can be made in the range of 1 to 3 pieces.	0	0	3	O	O
769-345	Interposer Multi-sheet Feed Detection Initial Sampling Start Time	Adjusts the Initial Sampling Start Time for Multi-sheet Feed Detection. 1 count = 10 ms With 10 = 100 ms, adjustment can be made in the range of 0 to 400 ms.	10	0	40	O	O
769-346	Interposer Multi-sheet Feed Detection Paper Exist Sampling Start Time	Adjusts the Paper Exist Sampling Start Time for Multi-sheet Feed Detection. 1 count = 10 ms With 1 = 10 ms, adjustment can be made in the range of 0 to 30 ms.	1	0	3	O	O
769-347	Interposer Multi-sheet Feed Detection No Paper Sampling Start Time	Adjusts the No Paper Sampling Start Time for Multi-sheet Feed Detection. 1 count = 1 ms With 10 = 10 ms, adjustment can be made in the range of 0 to 60 ms.	10	0	60	O	O
769-348	Interposer Multi-sheet Feed Detection Paper Thickness Average Value Stock Count	Adjusts the Paper Thickness Average Value Stock Count for Multi-sheet Feed Detection. 1 count = 1 piece With 10 = 10 piece, adjustment can be made in the range of 1 to 10 pieces.	10	1	10	O	O

Table 1 NVM 769 IFM/ICM List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Scan Possible
769-349	Interposer Multi-sheet Feed Detection Threshold Value for Sensor Malfunction Determination	Adjusts the Threshold Value for Sensor Malfunction Determination in Multi-sheet Feed Detection. With 2 = the threshold value, adjustment can be made in the range of 1 to 100.	2	1	100	O	O
769-350	Interposer Tray Multi-sheet Feed Detection Allow/Prohibit	Sets whether to allow/prohibit the Multi-sheet Feed Detection when feeding from the Interposer Upper Tray. 0: Allow detection 1: Prohibit detection	0	0	1	O	O
769-354	Upper Tray Takeaway Motor Drive Timing (Half Speed Mode)	Adjusts the Upper Tray Takeaway Motor Drive Timing when in half speed mode. 1 count = 10 ms. With 2 = 20 ms, adjustment can be made in the range of +/-100 ms.	2	0	20	O	O
769-355	Upper Tray Trans Motor Drive Timing (Half Speed Mode)	Adjusts the Upper Tray Takeaway Motor Drive Timing when in half speed mode. 1 count = 10 ms. With 2 = 20 ms, adjustment can be made in the range of +/-100 ms.	2	0	20	O	O
769-356	Lower Tray Takeaway Motor Drive Timing (Half Speed Mode)	Adjusts the Lower Tray Takeaway Motor Drive Timing when in half speed mode. 1 count = 10 ms. With 2 = 20 ms, adjustment can be made in the range of +/-100 ms.	2	0	20	O	O
769-357	Lower Tray Trans Motor Drive Timing (Half Speed Mode)	Adjusts the Lower Tray Takeaway Motor Drive Timing when in half speed mode. 1 count = 10 ms. With 2 = 20 ms, adjustment can be made in the range of +/-100 ms.	2	0	20	O	O

6.3.27 NVM 770, 771 Cont-In/Out Port Protocol List

Table 1 NVM 770, 771 Cont-In/Out Port Protocol List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
770-055	Burst Transfer	1	0~1	0: Not in use, 1: Used		RW	Yes	No
770-161	LPD Job Processing Priority Mode	0	0~1	0: High Performance, 1: Set priority in received order		RW	Yes	No
770-163	SNMP Protocol Version	1	1~2	1 : V1/V2C 2 : V3 (The bit of the enabled version is ON)		RW	Yes	No
770-179	SLP Version	[FX]: 1 [APO/GCO]: 2	1~2	1 : SLP Version 1.0 2 : SLP Version 2.0		RW	Yes	No
770-186	Port Number that Receives IPP Command from FreeFlow Client	631	1~65535	1~65535		RW	Yes	No
770-187	Client Connection Timeout Value (s)	30	1~65535	1~65535	Sec- onds	RW	Yes	No
770-288	Differentiated Service (General Communication Data)	0	0~255	0 to 255 (1 count: 1 level) The larger the value, the higher the priority of the communication. If the communication priority causes problems, change the value according to the customer's usage requirement to handle it.	1 level	RW	Yes	No
770-330	Simultaneous Connectable Number of Sessions	32	1~48	1~48		RW	Yes	No
770-331	Timeout value for session with client. Unit: s.	900	1~65535	1~65535	Sec- onds	RW	Yes	No
770-332	Port Number for Control Connection	21	1~65535	1~65535		RW	Yes	No
770-333	Port Number for Data Connection	20	1~65535	1~65535		RW	Yes	No
770-408	Temporary Response during Call	1	0~3	0: No temporary response 1: Respond with 180 Ringing (call in progress) 2: Respond with 182 Queued (awaiting process) 3: Respond with 183 Session Progress (processing)		RW	No	No
770-705	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-706	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-707	Port Number	0	1~65535	1~65535		RW	Yes	No
770-708	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-709	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-710	Port Number	0	1~65535	1~65535		RW	Yes	No
770-711	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-712	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-713	Port Number	0	1~65535	1~65535		RW	Yes	No
770-714	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-715	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-716	Port Number	0	1~65535	1~65535		RW	Yes	No
770-717	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No

Table 1 NVM 770, 771 Cont-In/Out Port Protocol List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
770-718	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-719	Port Number	0	1~65535	1~65535		RW	Yes	No
770-720	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-721	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-722	Port Number	0	1~65535	1~65535		RW	Yes	No
770-723	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-724	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-725	Port Number	0	1~65535	1~65535		RW	Yes	No
770-726	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-727	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-728	Port Number	0	1~65535	1~65535		RW	Yes	No
770-729	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-730	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-731	Port Number	0	1~65535	1~65535		RW	Yes	No
770-732	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-733	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-734	Port Number	0	1~65535	1~65535		RW	Yes	No
770-735	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-736	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-737	Port Number	0	1~65535	1~65535		RW	Yes	No
770-738	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-739	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-740	Port Number	0	1~65535	1~65535		RW	Yes	No
770-741	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-742	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-743	Port Number	0	1~65535	1~65535		RW	Yes	No
770-744	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-745	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-746	Port Number	0	1~65535	1~65535		RW	Yes	No
770-747	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-748	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-749	Port Number	0	1~65535	1~65535		RW	Yes	No
770-750	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-751	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-752	Port Number	0	1~65535	1~65535		RW	Yes	No
770-753	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-754	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No

Table 1 NVM 770, 771 Cont-In/Out Port Protocol List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
770-755	Port Number	0	1~65535	1~65535		RW	Yes	No
770-756	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-757	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-758	Port Number	0	1~65535	1~65535		RW	Yes	No
770-759	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-760	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-761	Port Number	0	1~65535	1~65535		RW	Yes	No
770-762	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-763	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-764	Port Number	0	1~65535	1~65535		RW	Yes	No
770-765	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-766	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-767	Port Number	0	1~65535	1~65535		RW	Yes	No
770-768	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-769	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-770	Port Number	0	1~65535	1~65535		RW	Yes	No
770-771	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-772	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-773	Port Number	0	1~65535	1~65535		RW	Yes	No
770-774	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-775	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-776	Port Number	0	1~65535	1~65535		RW	Yes	No
770-777	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-778	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-779	Port Number	0	1~65535	1~65535		RW	Yes	No
770-780	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-781	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-782	Port Number	0	1~65535	1~65535		RW	Yes	No
770-783	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-784	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-785	Port Number	0	1~65535	1~65535		RW	Yes	No
770-786	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-787	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-788	Port Number	0	1~65535	1~65535		RW	Yes	No
770-789	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-790	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-791	Port Number	0	1~65535	1~65535		RW	Yes	No

Table 1 NVM 770, 771 Cont-In/Out Port Protocol List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
770-792	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-793	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-794	Port Number	0	1~65535	1~65535		RW	Yes	No
770-795	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-796	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-797	Port Number	0	1~65535	1~65535		RW	Yes	No
770-798	Protocol Type	0	0~2	0: Data not set, 1: TCP Port, 2: UDP Port		RW	Yes	No
770-799	Position of Control Target Port	0	0~2	0: Data not set, 1: Control target is source port, 2: Control target is destination port		RW	Yes	No
770-800	Port Number	0	1~65535	1~65535		RW	Yes	No
770-801	DL Server Address [Only valid for FX]	NULL	Maximum length 256 + 1 octet	Sets the source server address using ASCII printable character string with NULL end character. Maximum length is 256 + 1 octet including the NULL end character. The server address can be in any of the following formats: FQDN, IPv4 address, IPv6 address.		RW	No	No
770-802	Connection Schema to DL Server [Only valid for FX]	8	0,8,9,16,17	0: Not specified, 8: HTTP, 9: HTTPS, 16: FTP, 17: FTPS		RW	No	No
770-803	FW Renewal File Storage Directory Path [Only valid for FX]	NULL	Maximum length 128 + 1 octet	Sets the directory path of obtained file using ASCII printable character string with NULL end character. Maximum length is 128 + 1 octet including the NULL end character. (/) is used as path separator character.		RW	No	No
770-804	FW Renewal File Name [Only valid for FX]	NULL	Maximum length 128 + 1 octet	Sets the file name of obtained file using ASCII printable character string with NULL end character. Maximum length is 128 + 1 octet including the NULL end character.		RW	No	No
770-805	User Name [Only valid for FX]	NULL	Maximum length 64 + 1 octet	Sets the Authentication User Name at the source server using ASCII printable character string with NULL end character. Maximum length is 64 + 1 octet including the NULL end character.		RW	No	No
770-806	Password [Only valid for FX]	NULL	Maximum length 32 + 1 octet	Sets the Authentication Password at the source server using ASCII printable character string with NULL end character. Maximum length is 32 + 1 octet including the NULL end character.		RW	No	No
770-807	Port Number [Only valid for FX]	80		Sets the connection port number to the source server. (0: Specify schema default port number)		RW	No	No
770-808	Timeout Value [Only valid for FX]	60		Sets the connection timeout time in units of seconds. (0 : Timeout is specified at 60 s)		RW	No	No
770-809	Client Certificate Identifier during SSL Connection [Only valid for FX]	0		Sets the identifier of Client Certificate during SSL Connection. If '0' is set, it will be presumed that the certificate is not specified. (As SSL cannot be used in the early products, set this as '0' for them)		RW	No	No
771-045	CSRF Check	0	0~1	0: Do check, 1: Check		RW	Yes	No
771-046	TCP Receive Window Size	4096	4096~65535	The setting range for this is any value from 4096 to 65535.		RW	Yes	No
771-051	Connection Timeout Time	60	2~3600	Can be set from 2 to 3600 s (Settable range: 2 to 65,535).	1 s	RW	Yes	No
771-052	Refresh Token	NULL		String (ASCII 127 Characters)		RW	Yes	No
771-053	Printer ID	NULL		String (ASCII 31 Characters)		RW	Yes	No
771-056	PDF Print Availability Setting	1	0~1	0: Do not use, 1: Use		RW	Yes	No
771-058	OAuthClientId	NULL		String (ASCII 127 Characters)		RW	Yes	No
771-059	OAuthClientSecret	NULL		String (ASCII 127 Characters)		RW	Yes	No

Table 1 NVM 770, 771 Cont-In/Out Port Protocol List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
771-060	XmppJid	NULL		String (ASCII 127 Characters)		RW	Yes	No
771-061	Response to Document Scan via CWIS: HTTP1.0 Request	0	0~1	0: Disable HTTP1.0 connection via proxy server 1: Enable HTTP1.0 connection via proxy server		RW	No	Yes
771-062	Permission to Split Outgoing IP Packet on Communication Path	0	0~1	0: Do not allow, 1: Allow		RW	No	Yes

6.3.28 NVM 780 Cont-IOTsc List

Table 1 NVM 780 Cont-IOTsc List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
780-024	SMH Free Size Auto Detection Operation for Printer Job	0	0~1	0 : Do not perform, 1: Perform		RW	Yes	No
780-039	Duplex Availability Flag for Some Extra Heavyweight (up to 220 gsm) [Only valid for APO/GCO]	0	0~1	0: Disabled, 1: Enabled		RW	Yes	No
780-044	Transfer Paper Enable/Disable Setting	0	0~1	0: Disabled, 1: Enabled		RW	Yes	No
780-047	Dynamic Sample Operation Mode	1	0~1	0: Inclusive Mode, 1: Exclusive Mode		RW	Yes	No
780-048	Dynamic Sample Control Main	0	0~1	0: IOT (HCS) 1: Controller		RW	Yes	No
780-058	Gloss Type Release Spec Limitation	0	0~1	0: Do not release 1: Release		RW	Yes	No
780-059	Tab Stock Release Spec Limitation	1	0~1	0 : Do not release, 1: Release		RW	Yes	No
780-064	Enable/Disable Extra HW Gloss Function [Only valid for APO/GCO]	0	0~1	0 : Disabled, 1: Enabled		RW	Yes	No
780-065	Home Position of Transfer Drum	0	0~2	0: Follow the Output Color defaults for Copy, 1: Retract, 2: Contact		RW	No	Yes
780-066	Edge Erase Adjustment Value (Lead Edge)	40	4.0~5.0	4.0 to 5.0 mm (Unit: 0.1 mm)	0.1 mm	RW	No	Yes
780-067	Edge Erase Adjustment Value (Tail Edge)	20	2.0~3.0	2.0 to 3.0 mm (Unit: 0.1 mm)	0.1 mm	RW	No	Yes
780-068	Edge Erase Adjustment Value (Side)	20	1.0~3.0	1.0 to 3.0 mm (Unit: 0.1 mm)	0.1 mm	RW	No	Yes
780-070	Fusing Unit Web Forced CRU Setting	0	0~1	0 : Do not use (ERU), 1: Use (CRU)		RW	Yes	No
780-119	Recovery Offset Enabled/Disabled	0	0~1	0 : Disabled, 1: Enabled		RW	Yes	No
780-140	HCS Mixed Stack	0	0~1	0 : Do not allow, 1: Allow		RW	Yes	No
780-143	Stop Position when the HCS Paper Eject Button is Pressed	1	0~1	0 : Stop at the end of the set, 1: Stop immediately		RW	Yes	No
780-145	Offset Operation at Staple Mode	1	1~3	1 : Offset per Set, 2: Offset per Job, 3: No Offset		RW	No	Yes
780-146	Operation for Abnormal Width Mixed Size Staple	0	0~1	0 : Release, 1: Force to perform		RW	Yes	No
780-147	Maximum Paper Count for 1 Set	50	25 to 75 sheets (Finisher C/Finisher D (50 sheets)) 50 to 150 sheets (Finisher D (100 sheets))	10 to 100 sheets (Finisher B) 25 to 75 sheets (Finisher C/Finisher D (50 sheets)) 50 to 150 sheets (Finisher D (100 sheets))	sheets	R	No	No
780-148	Maximum Paper Count for 1 Set (Small Size)	100	2~200	2 to 200 sheets	sheets	R	No	No
780-149	Maximum Paper Count for 1 Set (Large Size)	65	2~200	2 to 200 sheets	sheets	R	No	No
780-150	Maximum Paper Count for Single Fold	5	1~15	1 to 15 sheets	sheets	R	No	No
780-151	Maximum Paper Count for 1 Set	15	2~25	2 to 25 sheets	sheets	R	No	No
780-161	SMH Size Auto Detection Method	0	0~1	0 : Auto Size Detect, 1: Free Size Detect		RW	Yes	No

Table 1 NVM 780 Cont-IOTsc List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
780-168	Tab Stock Tab Width	15	7~20	7 to 20 mm (Unit: 1 mm)	1 mm	RW	No	Yes
780-198	A5 SEF Stacker Output	0	0~1	0 : Do not allow, 1: Allow		RW	Yes	No
780-199	Straight Pass Function Availability	0	0~1	0 : Do not allow, 1: Allow		RW	Yes	No
780-216	Test Pattern Number for User Regi Adjustment	12	1,12	1 : Grid, 12: Dual Registration		RW	Yes	No
780-218	Out of Staple Print Continuation Setting	0	0~1	0: Do not continue, 1: Continue		RW	Yes	No
780-234	Custom Paper Type Test Print Pattern No.	30	1~100	1~100		RW	Yes	No
780-235	Secondary Transfer Voltage Sample Print Pattern No. Setting	29	1~100	1~100		RW	Yes	No
780-237	Drum Cartridge CRU/ERU Switch	0	0~1	0 : Do not use (ERU), 1: Use (CRU)		RW	Yes	No
780-238	Fusing Unit CRU/ERU Switch	0	0~1	0 : Do not use (ERU), 1: Use (CRU)		RW	Yes	No
780-239	CC Assy CRU/ERU Switch	0	0~1	0 : Do not use (ERU), 1: Use (CRU)		RW	Yes	No
780-242	Tack Film (Adhesive) Enable/Disable Setting	[FX]: 1 [APO/GCO]: 0	0~1	0 : Disabled 1 : Enabled		RW	Yes	No
780-248	Change Drum Cartridge State to Ready	1	0~1	0 : Do not use (display the notified state) 1 : Use (make it Ready)		RW	Yes	No
780-249	Change Fusing Unit State to Ready	1	0~1	0 : Do not use (display the notified state) 1 : Use (make it Ready)		RW	Yes	No
780-250	Change CC Assy State to Ready	1	0~1	0 : Do not use (display the notified state) 1 : Use (make it Ready)		RW	Yes	No
780-251	Output with User 5 Paper Type Set to Heavyweight Print Parameters	0	0~1	0 : Do not use, 1: Use		RW	Yes	No
780-266	Drum Pre Near Status Display Availability	Product-specific 1	0~1	0 : Do not display, 1: Display		RW	Yes	No
780-267	Drum Near Status Display Availability	Product-specific 1	0~1	0 : Do not display, 1: Display		RW	Yes	No
780-268	Drum Quality Life End Status Display Availability	Product-specific 1	0~1	0 : Do not display, 1: Display		RW	Yes	No
780-269	Drum Life End Status Display Availability	Product-specific 1	0~1	0 : Do not display, 1: Display		RW	Yes	No
780-270	Jam Recovery OFF Setting	0	0~1	0: Jam Recovery ON 1: Jam Recovery OFF		RW	Yes	No
780-286	Envelope Enable/Disable Setting	0	0~1	0 : Disabled, 1: Enabled		RW	Yes	No
780-287	Postcard Enable/Disable Setting	[FX]: 1 [APO/GCO]: 0	0~1	0 : Disabled 1 : Enabled		RW	Yes	No
780-303	Toner Pre Near Empty Status Enable/Disable Setting	0	0~1	0: Do not detect Pre Near Empty 1: Detect Pre Near Empty		RW	Yes	No
780-315	2 Sided and Invert Output Paper Length Limitation	0				RW	No	Yes
780-316	2 Sided and Invert Output Limit Determination by Paper Length for Gloss A	0	1~0	1 : Limit, 0: Do not limit		RW	Yes	No
780-317	2 Sided and Invert Output Limit Determination by Paper Length for Gloss B	0	1~0	1 : Limit, 0: Do not limit		RW	Yes	No

Table 1 NVM 780 Cont-IOTsc List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
780-318	2 Sided and Invert Output Limit Determination by Paper Length for HW Gloss A	0	1~0	1 : Limit, 0: Do not limit		RW	Yes	No
780-319	2 Sided and Invert Output Limit Determination by Paper Length for HW Gloss B	0	1~0	1 : Limit, 0: Do not limit		RW	Yes	No
780-320	2 Sided and Invert Output Limit Determination by Paper Length for Extra Heavyweight	0	1~0	1 : Limit, 0: Do not limit		RW	Yes	No
780-321	2 Sided and Invert Output Limit Determination by Paper Length for Hole Punched Extra Heavyweight	0	1~0	1 : Limit, 0: Do not limit		RW	Yes	No
780-322	2 Sided and Invert Output Limit Determination by Paper Length for Gloss A Reload	0	1~0	1 : Limit, 0: Do not limit		RW	Yes	No
780-323	2 Sided and Invert Output Limit Determination by Paper Length for Gloss B Reload	0	1~0	1 : Limit, 0: Do not limit		RW	Yes	No
780-324	2 Sided and Invert Output Limit Determination by Paper Length for HW Gloss A Reload	0	1~0	1 : Limit, 0: Do not limit		RW	Yes	No
780-325	2 Sided and Invert Output Limit Determination by Paper Length for HW Gloss B Reload	0	1~0	1 : Limit, 0: Do not limit		RW	Yes	No
780-326	2 Sided and Invert Output Limit Determination by Paper Length for Extra Heavyweight Reload	0	1~0	1 : Limit, 0: Do not limit		RW	Yes	No
780-330	Area Data for CRUM Check	0	0,1, 2, 4, 8, 16, 32	0 : Not set, 1: NA, 2: EU, 4: DMO-E, 8: DMO-W, 16: Japan, 32: APO/GCO		R	No	No
780-331	2 Sided Capable Maximum Weight Category Setting	Product-dependent [FX]: 7 [APO/GCO]: 9	0: Not set 1~9	0: Not set, 1: Weight range 1 2: Weight range 2, 3: Weight range 3, 4: Weight range 4, 5: Weight range 5, 6: Weight range 6, 7: Weight range 7, 8: Weight range 8, 9: Weight range 9 [Color C75 Press]: 7 to 9		RW	No	Yes
780-332	Life of Drum Cartridge Status Display Control	Product-specific 1	0~1	0 : Do not display, 1: Display		RW	Yes	No
780-333	Life of Drum Cartridge Message Display Control	Product-specific 1	0~1	0 : Do not display, 1: Display		RW	Yes	No
780-334	Fusing Unit Status Display Control	Product-specific 0	0~1	0 : Do not display, 1: Display		RW	Yes	No
780-335	Fusing Unit Message Display Control	Product-specific 1	0~1	0 : Do not display, 1: Display		RW	Yes	No
780-339	Drum Remaining Amount Display Lower Limit %	Product-dependent 0	0~100	0~100 : Unit: 1%		RW	No	Yes
780-340	Fusing Unit Remaining Amount Display Lower Limit %	Product-dependent 0	0~100	0~100 : Unit: 1%		RW	No	Yes
780-341	Fusing Unit Width Failure Continuation Setting	Product-specific 0	0~1	0: Do not continue, 1: Continue		RW	Yes	No

6.3.29 NVM 785 Cont-IITsc List

Table 1 NVM 785 Cont-IITsc List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
785-008	DADF Type	0	0 1~5	0: Not set 1: PF1, 2: PF2, 3: PF1.5, 4: PF2.01, 5: PF2.02		R	Yes	No
785-021	HWM Detection H/W Installation Availability	0	0~1	0: Not installed, 1: Installed		RW	No	No
785-026	100% Fine Adjustment DADF Application Setting	0	0~1	0: Do not apply, 1: Apply		RW	Yes	No
785-028	CVT Original Size Requirement Setting	1	0~1	0: Not required, 1: Required		RW	Yes	No
785-029	Calibration Image Scan Type	0	0~1	0: Move the carriage in small increments to perform line-by-line scan 1: Scan into Controller Memory and then perform retrieval (use EPC Scan Job)		R	No	No
785-030	APS Applicable / Not Applicable (5.5x8.5 (Statement))	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-031	APS Applicable / Not Applicable (A5)	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-032	APS Applicable / Not Applicable (B5)	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-033	APS Applicable / Not Applicable (8.25x10.5 (Executive))	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-034	APS Applicable / Not Applicable (8x10)	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-035	APS Applicable / Not Applicable (16K)	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-036	APS Applicable / Not Applicable (8.5x11 (Letter))	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-037	APS Applicable / Not Applicable (A4)	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-038	APS Applicable / Not Applicable (8.5x13 (Foolscap))	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-039	APS Applicable / Not Applicable (8.5x14 (Legal))	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-040	APS Applicable / Not Applicable (B4)	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-041	APS Applicable / Not Applicable (8K)	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-042	APS Applicable / Not Applicable (11x17 (Ledger))	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-043	APS Applicable / Not Applicable (A3)	(Set for each region)	0~1	0: Not applicable, 1: Applicable		RW	Yes	No
785-045	DADF Mixed Document Detection Capability Data	(A different value is automatically set for each product)	1~2	The logical sum of the following values is set: 1: For when Fast Scan mixed document detection is possible 2: For when Slow Scan mixed document detection is possible 3		R	No	No
785-046	DADF Color 2 Sided Simultaneous Scan Control Data	0x00000000		0x0000000X: Availability of DADF Color 2 Sided Simultaneous Scan Feature (0: None, 1: Available) 0x000000X0: Possibility of DADF Color 2 Sided Simultaneous Scan during Copy Service (0: Not possible, 1: Possible) 0x00000X00: Possibility of DADF Color 2 Sided Simultaneous Scan during Fax Service (0: Not possible, 1: Possible) 0x0000X000: Possibility of DADF Color 2 Sided Simultaneous Scan during Scan Service (0: Not possible, 1: Possible)		R	No	No
785-048	Mix Estimate Operation Mode	0	0~1	0: Mix Estimate Operation Mode OFF 1: Mix Estimate Operation Mode ON		RW	Yes	No

Table 1 NVM 785 Cont-ITsc List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
785-050	Input Original Size Applicable Range when Original Size is Not Specified	0	0~1	0 : Applicable to those Originals only 1 : Applicable to all the following non-standard Originals		RW	Yes	No
785-065	Image Layout Center/Corner Switch for Large Size Paper	1	0~1	0 : Paste to Corner 1 : Paste to Center		RW	Yes	No
785-070	Document Return Method to DADF	2	1~2	1 : Return all sheets, 2: Return N sheets		RW	Yes	No
785-080	Edge Erase Settings for Smaller Paper	5	0~10	0 to 10 mm (Unit: mm)	1 mm	RW	Yes	No

6.3.30 NVM 790, 791 Cont-UI List

Table 1 NVM 790, 791 Cont-UI List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
790-019	Remaining Job Auto Clear Timer Settings When Accessory is Connected	15	1~59	1 to 59 s	1 s	RW	Yes	No
790-183	Default Output Destination in Copy Mode	Decided from among the installed output destinations in the following priority order 1) 0 : Center Tray (Center Tray 1) 2) 3 : Center Tray 2 3) 5 : HCS 1 Top Tray 4) 4 : Top Tray 5) 2 : Finisher Tray 6) 22 : Output Tray (when none of the Trays listed above (1 to 5) exists)	0~8,22	0 : Center Tray, 1: Side Tray, 2 : Finisher Tray, 3: Center Tray 2, 4 : Top Tray, 5: HCS 1 Top Tray, 6: HCS 1 Stacker Tray, 7 : HCS 2 Top Tray, 8: HCS 2 Stacker Tray, 22 : Output Tray *Options that are not installed cannot be selected		RW	Yes	No
790-389	Prohibit From: Auto Setting for Authentication User/E-mail Address	0	0~1	0 : Do not prohibit, 1: Prohibit		RW	Yes	No
790-568	Enable/Disable Color Regi Adjustment Function	0	0~1	0 : Disabled 1 : Enabled		RW	Yes	No
790-630	Number of Digits for Virtual Address Number	0	0,3~6	0 : Real Address Book 3 : 3-digit Virtual Address Book 4 : 4-digit Virtual Address Book 5 : 5-digit Virtual Address Book 6 : 6-digit Virtual Address Book (*1 and 2 cannot be set)		RW	No	No
790-631	Moving Registered Data in Address Book	0	0~1	0: Do not transfer, 1: Transfer		RW	No	No
790-649	LDAP Search Result Display Format	0	0~2	0: Display using Recipient Name, 1: Display using Name and Surname, 2: Work with search filter		RW	Yes	No
790-664	Address Book Import Operation Mode	0	0~1	0 : Add Mode, 1: Substitute Mode		RW	No	No
790-671	Auto Resume Function Enable Setting	1	0~1	0 : Do not Auto Resume 1 : Auto Resume		RW	No	Yes
790-717	Number of Keys Used as One Touch Dials from Among the One Touch Keys	[W85 - Control Panel has 72 One Touch Keys] 70 : Type 1 [W70 - Control Panel has 54 One Touch Keys] 52 : Type 2 [S104 - Control Panel has 0 One Touch Keys] 0 : 0 One Touch Keys	0, 45, 52, 60, 70	[W85 - Control Panel has 72 One Touch Keys] 70: Type 1, 60: Type 2 [W70 - Control Panel has 54 One Touch Keys] 52: Type 1, 45: Type 2 [S104 - Control Panel has 0 One Touch Keys] 0 : 0 One Touch Keys		RW	Yes	No
790-902	Transition to Private Charge Print after Login [Only valid for FX]	0	0~1	0: Do not transition, 1: Transition		RW	Yes	No
790-903	Change Private Charge Print Name ([Print] Display) [Only valid for FX]	0	0~1	0: Do not change, 1: Change		RW	Yes	No
790-904	Stored Print Inactivation (Do Not Display Run Screen) [Only valid for FX]	0	0~1	0 : No (display run screen) 1 : Yes (do not display run screen)		RW	Yes	No

Table 1 NVM 790, 791 Cont-UI List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
790-905	Authentication Key Customization [Only valid for FX]	0	0~1	0 : OFF, 1: ON		RW	Yes	No
790-906	Enable Services Home Key (at the Services Home Screen) [Only valid for FX]	0	0~1	0 : OFF, 1: ON		RW	Yes	No
790-918	Enable/Disable Stored File List Screen Display Feature	1	0~1	0: Feature Disabled, 1: Feature Enabled		RW	No	No
790-920	Change Private Charge Print Authentication Accounting Timing [ONLY valid for FX]	0	0~1	0 : OFF, 1: ON		RW	Yes	No
790-923	Display Type of Extra Area (Lower 120dot) in SVGA Panel	1	0~1	0: Display plain background 1: Display date		RW	Yes	No
790-924	Change Private Charge Print Parameter Display (to 1 Sided)	0	0~1	0 : OFF, 1: ON		RW	Yes	No
790-925	E-mail Address Priority Display in Scan Recipient Field	0	0~1	0 : OFF, 1: ON		RW	Yes	No
790-928	Disable C Key during Fault	0	0~1	0: Do not disable, 1: Disable		RW	Yes	No
790-937	Sheet Filtering Default Filter Setting (Owner - Shared/System Administrator)	1	0~1	0 : OFF, 1: ON		RW	Yes	No
790-938	Sheet Filtering Default Filter Setting (Owner - Personal/Non-System Administrator)	1	0~1	0 : OFF, 1: ON		RW	Yes	No
790-939	Sheet Filtering Default Filter Setting (Target - Scan Jobs)	1	0~1	0 : OFF, 1: ON		RW	Yes	No
790-940	Sheet Filtering Default Filter Setting (Target - External Application)	1	0~1	0 : OFF, 1: ON		RW	Yes	No
790-941	Sheet Filtering Default Filter Setting (Target - Copy Jobs)	0	0~1	0 : OFF, 1: ON		RW	Yes	No
791-021	Upgrade Instruction User Data	0	0~4	0: No requester, 1: KO (immediate), 2: CE (immediate), 3: Remote Operator (specify date), 4: KO (specify date)		RW	No	No
791-022	Software Upgrade Result	0	0~2	0: Not performed, 1: SW Upgrade successful, 2: SW Upgrade failed		RW	No	No
791-023	Fault Code	0		0 : No Error Upper 2 bytes: Chain Code Lower 2 bytes: Link Code		RW	No	No
791-025	Technical Key Operator Function Display	0	0~1	0 : Do not display, 1: Display		RW	Yes	No

6.3.31 NVM 800, 803, 809 Cont-Print Service List

Table 1 NVM 800, 803, 809 Cont-Print Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
800-002	Tab Stock Print - Operation	0	0 : Not specified 1~3	0 : Not specified 1 : OFF, 2: Print tab section only, 3 : Print page body + tab section		RW	No	No
800-003	Tab Stock Print - Shift Value	130	1~150	1 to 150 (Unit: 0.1 mm)	0.1 mm	RW	No	No
800-005	@PJL EOJ Enable/Disable Setting for RAW System I/F Job	0	0~1	0 : Enable @PJL EOJ command and end the Job 1: Ignore @PJL EOJ command and do not end the Job		RW	No	Yes
800-018	Forced Extend Print Setting	1	1~2	1 : Do not force extend print 2 : Force extend print		RW	No	Yes
800-020	Error Diffusion Pattern Default Value when Density is [Lighter] (Black)	1	0~64	0~64 The default value of background density when [Lighter] density is selected and the smaller the value, the lighter the background density will be.		RW	No	Yes
800-021	Error Diffusion Pattern Default Value when Density is [Lighter] (Cyan)	1	0~64	0~64 The default value of background density when [Lighter] density is selected and the smaller the value, the lighter the background density will be.		RW	No	Yes
800-022	Error Diffusion Pattern Default Value when Density is [Lighter] (Magenta)	1	0~64	0~64 The default value of background density when [Lighter] density is selected and the smaller the value, the lighter the background density will be.		RW	No	Yes
800-023	Error Diffusion Pattern Default Value when Density is [Normal] (Black)	1	0~64	0~64 The default value of background density when [Normal] density is selected and the smaller the value, the lighter the background density will be.		RW	No	Yes
800-024	Error Diffusion Pattern Default Value when Density is [Normal] (Cyan)	1	0~64	0~64 The default value of background density when [Normal] density is selected and the smaller the value, the lighter the background density will be.		RW	No	Yes
800-025	Error Diffusion Pattern Default Value when Density is [Normal] (Magenta)	1	0~64	0~64 The default value of background density when [Normal] density is selected and the smaller the value, the lighter the background density will be.		RW	No	Yes
800-026	Error Diffusion Pattern Default Value when Density is [Darker] (Black)	3	0~64	0~64 The default value of background density when [Darker] density is selected and the smaller the value, the lighter the background density will be.		RW	No	Yes
800-027	Error Diffusion Pattern Default Value when Density is [Darker] (Cyan)	3	0~64	0~64 The default value of background density when [Darker] density is selected and the smaller the value, the lighter the background density will be.		RW	No	Yes

Table 1 NVM 800, 803, 809 Cont-Print Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
800-028	Error Diffusion Pattern Default Value when Density is [Darker] (Magenta)	3	0~64	0~64 The default value of background density when [Darker] density is selected and the smaller the value, the lighter the background density will be.		RW	No	Yes
800-029	Error Diffusion Pattern Increment Value when Density is [Lighter] (Black)	3	1~20	1~20 The setting range of background density when [Lighter] density is selected and if the value is small, the density change amount when setting the contrast of the hidden text and the background will also be small.		RW	No	Yes
800-030	Error Diffusion Pattern Increment Value when Density is [Lighter] (Cyan)	3	1~20	1~20 The setting range of background density when [Lighter] density is selected and if the value is small, the density change amount when setting the contrast of the hidden text and the background will also be small.		RW	No	Yes
800-031	Error Diffusion Pattern Increment Value when Density is [Lighter] (Magenta)	3	1~20	1~20 The setting range of background density when [Lighter] density is selected and if the value is small, the density change amount when setting the contrast of the hidden text and the background will also be small.		RW	No	Yes
800-032	Error Diffusion Pattern Increment Value when Density is [Normal] (Black)	4	1~20	1~20 The setting range of background density when [Normal] density is selected and if the value is small, the density change amount when setting the contrast of the hidden text and the background will also be small.		RW	No	Yes
800-033	Error Diffusion Pattern Increment Value when Density is [Normal] (Cyan)	4	1~20	1~20 The setting range of background density when [Normal] density is selected and if the value is small, the density change amount when setting the contrast of the hidden text and the background will also be small.		RW	No	Yes
800-034	Error Diffusion Pattern Increment Value when Density is [Normal] (Magenta)	4	1~20	1~20 The setting range of background density when [Normal] density is selected and if the value is small, the density change amount when setting the contrast of the hidden text and the background will also be small.		RW	No	Yes
800-035	Error Diffusion Pattern Increment Value when Density is [Darker] (Black)	4	1~20	1~20 The setting range of background density when [Darker] density is selected and if the value is small, the density change amount when setting the contrast of the hidden text and the background will also be small.		RW	No	Yes

Table 1 NVM 800, 803, 809 Cont-Print Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
800-036	Error Diffusion Pattern Increment Value when Density is [Darker] (Cyan)	4	1~20	1~20 The setting range of background density when [Darker] density is selected and if the value is small, the density change amount when setting the contrast of the hidden text and the background will also be small.		RW	No	Yes
800-037	Error Diffusion Pattern Increment Value when Density is [Darker] (Magenta)	4	1~20	1~20 The setting range of background density when [Darker] density is selected and if the value is small, the density change amount when setting the contrast of the hidden text and the background will also be small.		RW	No	Yes
800-039	Position Correction during PS Booklet Creation	0	0~1	0 : With margin (process as usual) 1 : No margin (emulate existing machine error (AR86313))		RW	No	No
800-040	Dither Pattern Threshold Value when Density is [Lighter] (Black)	12	0~128	0~128 The default value of hidden text density when [Lighter] density is selected and the smaller the value, the lighter the text density will be.		RW	No	Yes
800-041	Dither Pattern Threshold Value when Density is [Lighter] (Cyan)	20	0~128	0~128 The default value of hidden text density when [Lighter] density is selected and the smaller the value, the lighter the text density will be.		RW	No	Yes
800-042	Dither Pattern Threshold Value when Density is [Lighter] (Magenta)	15	0~128	0~128 The default value of hidden text density when [Lighter] density is selected and the smaller the value, the lighter the text density will be.		RW	No	Yes
800-043	Dither Pattern Threshold Value when Density is [Normal] (Black)	16	0~128	0~128 The default value of hidden text density when [Normal] density is selected and the smaller the value, the lighter the text density will be.		RW	No	Yes
800-044	Dither Pattern Threshold Value when Density is [Normal] (Cyan)	24	0~128	0~128 The default value of hidden text density when [Normal] density is selected and the smaller the value, the lighter the text density will be.		RW	No	Yes
800-045	Dither Pattern Threshold Value when Density is [Normal] (Magenta)	19	0~128	0~128 The default value of hidden text density when [Normal] density is selected and the smaller the value, the lighter the text density will be.		RW	No	Yes
800-046	Dither Pattern Threshold Value when Density is [Darker] (Black)	24	0~128	0~128 The default value of hidden text density when [Darker] density is selected and the smaller the value, the lighter the text density will be.		RW	No	Yes

Table 1 NVM 800, 803, 809 Cont-Print Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
800-047	Dither Pattern Threshold Value when Density is [Darker] (Cyan)	32	0~128	0~128 The default value of hidden text density when [Darker] density is selected and the smaller the value, the lighter the text density will be.		RW	No	Yes
800-048	Dither Pattern Threshold Value when Density is [Darker] (Magenta)	27	0~128	0~128 The default value of hidden text density when [Darker] density is selected and the smaller the value, the lighter the text density will be.		RW	No	Yes
800-049	Count-specified Stamp Print Enable	0	0~1	0 : OFF, 1: ON		RW	No	No
800-051	Count-specified Stamp Position	9	0~9	0 : Not specified, 1: Top Left, 2: Top Right, 3: Bottom Left, 4 : Bottom Right, 5: Top Center, 6: Bottom Center, 7 : Left Center, 8: Right Center, 9: Center		RW	Yes	No
800-066	Forced Annotation Print	0	0~1	0 : OFF, 1: ON		RW	Yes	No
800-067	Print Position	4	3~4	3 : Bottom Left, 4: Bottom Right		RW	Yes	No
800-068	Forced Annotation Font Size	6	4~10	4 to 10 (Points)		RW	Yes	No
800-069	Forced Annotation Bottom Left Print Position Adjustment (Vertical)	12	0~100	0 to 100 mm (0.5 mm increments) *0: Bottom Left Corner	0.5 mm	RW	Yes	No
800-070	Forced Annotation Bottom Left Print Position Adjustment (Horizontal)	12	0~100	0 to 100 mm (0.5 mm increments) *0: Bottom Left Corner	0.5 mm	RW	Yes	No
800-071	Forced Annotation Bottom Right Print Position Adjustment (Vertical)	12	0~100	0 to 100 mm (0.5 mm increments) *0: Bottom Right Corner	0.5 mm	RW	Yes	No
800-072	Forced Annotation Bottom Right Print Position Adjustment (Horizontal)	12	0~100	0 to 100 mm (0.5 mm increments) *0: Bottom Right Corner	0.5 mm	RW	Yes	No
800-073	Text Effects	3	3~4	3: Stamp, 4: Outline		RW	Yes	No
800-074	Paper Size Count Setting	0	0~1	0: Apply to all size, 1: Change according to size		RW	Yes	No
800-075	Non-standard Size LEF Box Storage Function	Product-specific 0	0~1	0: OFF (SEF fixed storage), 1: ON (LEF priority storage)		RW	Yes	No
800-081	Forced WM Print Policy	0	0~1	0: Forced WM has priority, 1: TrustMark has priority		RW	No	No
800-082	UUID Service Independent Setting	0	0 : Not specified 1~2, 4, 8, 16, 32	0 : Not specified (Enabled for all services) 1 : Copy, 2: Print, 4: Folder, 8: Media, 16: Fax, 32: Report (UUID is enabled for services with ON Bits)		RW	No	No
800-083	UUID Types	0	0~1	0: Normal UUID, 1: Forced Annotation		RW	No	No
800-084	Forced Annotation Print Types	0	0~3	0: FX-K supported strings, 1: Type 1 2: Type 2, 3: Type 3		RW	No	No
800-135	Earlier Models Compatibility Mode Setting	0	0~1	0 : Use the new CRD common for DMP2008-2 and newer monochrome machines 1 : Use the CRD that has been in use for DMP2008-1 and older monochrome machines		RW	No	No

Table 1 NVM 800, 803, 809 Cont-Print Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
800-136	findfont Multipurpose Specific Data Performance Improvement Mode	0	0~1	0 : Performance improvement mode disabled 1 : Performance improvement mode enabled		RW	No	No
800-141	XCPT Operation Mode Switch	1	1~2	1: Compatibility (Legacy) Mode 2: XCPT Mode		RW	Yes	No
800-144	Auto SW Auto Recognition Switch	Switches the values that were initialized by Country Code (PfRscSysStat-ProductInfo.country) as follows: Korea (PFV_COUNTRY_KR (410)): All judgment targets (0x00000000) Other than Korea: All other than KS/KSS are judgment targets (KS/KSS are non-judgment targets) (0x00000004)	0x00000000 0x00000001 0x00000002 0x00000004	0x00000000: No limit 0x00000001: Exclude ASCP from auto recognition targets 0x00000002: Exclude 201H from auto recognition targets 0x00000004: Exclude KS/KSS from auto recognition targets		RW	No	Yes
800-146	Delayed Print	1	0 : Not specified 1~2	0: Not specified (cannot be set) 1: Draw at storage, 2: Draw at printing		RW	No	Yes
800-147	Secure Print	1	0 : Not specified 1~2	0: Not specified (cannot be set) 1: Draw at storage, 2: Draw at printing		RW	No	Yes
800-148	Private Charge Print	1	0 : Not specified 1~2	0: Not specified (cannot be set) 1: Draw at storage, 2: Draw at printing		RW	No	Yes
800-149	Charge Print	1	0 : Not specified 1~2	0: Not specified (cannot be set) 1: Draw at storage, 2: Draw at printing		RW	No	Yes
800-150	Bypass Feed Orientation Priority Specification	2	1~2	1: LEF priority, 2: SEF priority		RW	No	Yes
800-151	Forced Annotation Print Policy	0	0~1	0: The Device specification for each service has priority 1: The User specification has priority		RW	No	No
800-153	Change to Black Permission for Dual Color Print Document in Private Storage	0	0~1	0 : Prohibit, 1: Allow		RW	No	Yes
803-505	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	No	No
803-506	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-507	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-508	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-509	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-510	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-511	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-512	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-513	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-514	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-515	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No

Table 1 NVM 800, 803, 809 Cont-Print Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
803-516	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-517	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-518	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-519	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-520	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-521	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-522	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-523	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-524	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
803-525	Emulation Target	0	0~1	0 : HP750c, 1: FX4036		RW	Yes	No
809-257	Cut Sheet Feeder Availability	0	0~1	0 : None, 1: Available		RW	No	No
809-258	Cut Sheet Feeder Availability	0	0~1	0 : None, 1: Available		RW	Yes	No
809-259	Cut Sheet Feeder Availability	0	0~1	0 : None, 1: Available		RW	Yes	No
809-260	Cut Sheet Feeder Availability	0	0~1	0 : None, 1: Available		RW	Yes	No
809-261	Cut Sheet Feeder Availability	0	0~1	0 : None, 1: Available		RW	Yes	No
809-262	Cut Sheet Feeder Availability	0	0~1	0 : None, 1: Available		RW	Yes	No

6.3.32 NVM 810 Cont-Copy Service List

Table 1 NVM 810 Cont-Copy Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
810-002	Y Element	102 : 80%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-003	M Element	128 : 100%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-004	C Element	0 : 0%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-005	Y Element	118 : 92%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-006	M Element	0 : 0%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-007	C Element	128 : 100%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-008	Y Element	0 : 0%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-009	M Element	102 : 80%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-010	C Element	128 : 100%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-011	Y Element	128 : 100%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-012	M Element	0 : 0%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-013	C Element	0 : 0%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-014	Y Element	0 : 0%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-015	M Element	128 : 100%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-016	C Element	0 : 0%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-017	Y Element	0 : 0%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-018	M Element	0 : 0%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-019	C Element	128 : 100%	0~128 : 0~100	0~128 : 0~100% (1/128% increments)	1/128% increments	RW	No	Yes
810-038	Background Suppression	0	0~1	0 : OFF, 1: ON		RW	No	Yes
810-039	Density Adjustment	2	0~6	0 : Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes

Table 1 NVM 810 Cont-Copy Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
810-040	Color Balance (Y: Low Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-041	Color Balance (Y: Medium Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-042	Color Balance (Y: High Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-043	Color Balance (M: Low Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-044	Color Balance (M: Medium Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-045	Color Balance (M: High Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-046	Color Balance (C: Low Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-047	Color Balance (C: Medium Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-048	Color Balance (C: High Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-049	Color Balance (K: Low Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-050	Color Balance (K: Medium Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-051	Color Balance (K: High Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-052	Color Shift	2	0~4	0: -20 degrees, 1: -10 degrees, 2: 0 degree, 3: +10 degrees, 4: +20 degrees		RW	No	Yes
810-053	Saturation	0	0~4	0 : Vivid +2, 1: Vivid +1, 2: Normal, 3: Pastel +1, 4: Pastel +2		RW	No	Yes
810-054	Sharpness	2	0~4	0 : Sharpen +2, 1: Sharpen +1, 2: Normal, 3: Soften +1, 4: Soften +2		RW	No	Yes
810-055	Contrast	2	0~4	0 : More Contrast +2, 1: More Contrast +1, 2: Normal, 3: Less Contrast -1, 4: Less Contrast -2		RW	No	Yes
810-056	Background Suppression	0	1~0	1 : ON, 0: Off		RW	No	Yes
810-057	Density Adjustment	4	0~6	0 : Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-058	Color Balance (Y: Low Density)	0	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-059	Color Balance (Y: Medium Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-060	Color Balance (Y: High Density)	6	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-061	Color Balance (M: Low Density)	0	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes

Table 1 NVM 810 Cont-Copy Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
810-062	Color Balance (M: Medium Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-063	Color Balance (M: High Density)	6	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-064	Color Balance (C: Low Density)	0	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-065	Color Balance (C: Medium Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-066	Color Balance (C: High Density)	6	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-067	Color Balance (K: Low Density)	0	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-068	Color Balance (K: Medium Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-069	Color Balance (K: High Density)	6	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-070	Color Shift	2	0~4	0: -20 degrees, 1: -10 degrees, 2: 0 degree, 3: +10 degrees, 4: +20 degrees		RW	No	Yes
810-071	Saturation	1	0~4	0: Vivid +2, 1: Vivid +1, 2: Normal, 3: Pastel +1, 4: Pastel +2		RW	No	Yes
810-072	Sharpness	0	0~4	0: Sharpen +2, 1: Sharpen +1, 2: Normal, 3: Soften +1, 4: Soften +2		RW	No	Yes
810-073	Contrast	0	0~4	0: More Contrast +2, 1: More Contrast +1, 2: Normal, 3: Less Contrast -1, 4: Less Contrast -2		RW	No	Yes
810-074	Background Suppression	1	1~0	1: ON, 0: Off		RW	No	Yes
810-075	Density Adjustment	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-076	Color Balance (Y: Low Density)	1	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-077	Color Balance (Y: Medium Density)	1	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-078	Color Balance (Y: High Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-079	Color Balance (M: Low Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-080	Color Balance (M: Medium Density)	4	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-081	Color Balance (M: High Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-082	Color Balance (C: Low Density)	0	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-083	Color Balance (C: Medium Density)	0	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes

Table 1 NVM 810 Cont-Copy Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
810-084	Color Balance (C: High Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-085	Color Balance (K: Low Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-086	Color Balance (K: Medium Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-087	Color Balance (K: High Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-088	Color Shift	2	0~4	0: -20 degrees, 1: -10 degrees, 2: 0 degree, 3: +10 degrees, 4: +20 degrees		RW	No	Yes
810-089	Saturation	2	0~4	0: Vivid +2, 1: Vivid +1, 2: Normal, 3: Pastel +1, 4: Pastel +2		RW	No	Yes
810-090	Sharpness	2	0~4	0: Sharpen +2, 1: Sharpen +1, 2: Normal, 3: Soften +1, 4: Soften +2		RW	No	Yes
810-091	Contrast	2	0~4	0: More Contrast +2, 1: More Contrast +1, 2: Normal, 3: Less Contrast -1, 4: Less Contrast -2		RW	No	Yes
810-092	Background Suppression	1	1~0	1: ON, 0: Off		RW	No	Yes
810-093	Density Adjustment	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-094	Color Balance (Y: Low Density)	0	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-095	Color Balance (Y: Medium Density)	0	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-096	Color Balance (Y: High Density)	1	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-097	Color Balance (M: Low Density)	0	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-098	Color Balance (M: Medium Density)	0	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-099	Color Balance (M: High Density)	1	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-100	Color Balance (C: Low Density)	4	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-101	Color Balance (C: Medium Density)	5	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-102	Color Balance (C: High Density)	5	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-103	Color Balance (K: Low Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-104	Color Balance (K: Medium Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-105	Color Balance (K: High Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes

Table 1 NVM 810 Cont-Copy Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-STEM Area
810-106	Color Shift	2	0~4	0: -20 degrees, 1: -10 degrees, 2: 0 degree, 3: +10 degrees, 4: +20 degrees		RW	No	Yes
810-107	Saturation	2	0~4	0 : Vivid +2, 1: Vivid +1, 2: Normal, 3: Pastel +1, 4: Pastel +2		RW	No	Yes
810-108	Sharpness	2	0~4	0 : Sharpen +2, 1: Sharpen +1, 2: Normal, 3: Soften +1, 4: Soften +2		RW	No	Yes
810-109	Contrast	2	0~4	0 : More Contrast +2, 1: More Contrast +1, 2: Normal, 3: Less Contrast -1, 4: Less Contrast -2		RW	No	Yes
810-110	Background Suppression	1	1~0	1 : ON, 0: Off		RW	No	Yes
810-111	Density Adjustment	2	0~6	0 : Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-112	Color Balance (Y: Low Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-113	Color Balance (Y: Medium Density)	1	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-114	Color Balance (Y: High Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-115	Color Balance (M: Low Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-116	Color Balance (M: Medium Density)	1	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-117	Color Balance (M: High Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-118	Color Balance (C: Low Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-119	Color Balance (C: Medium Density)	1	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-120	Color Balance (C: High Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-121	Color Balance (K: Low Density)	3	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-122	Color Balance (K: Medium Density)	1	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-123	Color Balance (K: High Density)	5	0~6	0: Lighten +3, 1: Lighten +2, 2: Lighten +1, 3: Normal, 4: Darken +1, 5: Darken +2, 6: Darken +3		RW	No	Yes
810-124	Color Shift	2	0~4	0: -20 degrees, 1: -10 degrees, 2: 0 degree, 3: +10 degrees, 4: +20 degrees		RW	No	Yes
810-125	Saturation	2	0~4	0 : Vivid +2, 1: Vivid +1, 2: Normal, 3: Pastel +1, 4: Pastel +2		RW	No	Yes
810-126	Sharpness	2	0~4	0 : Sharpen +2, 1: Sharpen +1, 2: Normal, 3: Soften +1, 4: Soften +2		RW	No	Yes
810-127	Contrast	1	0~4	0 : More Contrast +2, 1: More Contrast +1, 2: Normal, 3: Less Contrast -1, 4: Less Contrast -2		RW	No	Yes
810-253	HWM Code Pattern Gradation K Color	13	1~144	1 to 144 (1 count: 1 gradation/step) The code pattern becomes thicker when this value becomes larger and becomes thinner when this value becomes smaller.	1 gradation/step	RW	No	No

Table 1 NVM 810 Cont-Copy Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
810-254	HWM Code Pattern Tint Gradation Gap K Color	138	0~288	0 to 288 (1 count: 1 gradation/step) As this value becomes larger, the gap between the tint and the code pattern widens, which causes the code pattern to be printed more clearly. When this value becomes smaller, they become harder to differentiate.	1 gradation/step	RW	No	No
810-255	HWM Latent Text Contrast Number 1 Gradation K Color	1	1~144	1 to 144 (1 count: 1 gradation/step) This is the latent text density of contrast number 1. It becomes darker as the value becomes larger and becomes lighter as the value becomes smaller.	1 gradation/step	RW	No	No
810-256	HWM Latent Text Between Contrast Numbers Gradation Gap K Color	3	1~144	1 to 144 (1 count: 1 gradation/step) This is the difference in latent text densities between the contrast numbers. The difference in densities between the contrast numbers increases as the value becomes larger and decreases as the value becomes smaller.	1 gradation/step	RW	No	No
810-257	HWM Latent Text Tint Gradation Gap K Color	142	0~288	0 to 288 (1 count: 1 gradation/step) As this value becomes larger, the gap between the tint and the code pattern widens, which causes the code pattern to be printed more clearly. When this value becomes smaller, they become harder to differentiate.	1 gradation/step	RW	No	No
810-258	HWM Code Pattern Gradation M Color	23	1~144	1 to 144 (1 count: 1 gradation/step) The code pattern becomes thicker when this value becomes larger and becomes thinner when this value becomes smaller.	1 gradation/step	RW	No	No
810-259	HWM Code Pattern Tint Gradation Gap M Color	138	0~288	0 to 288 (1 count: 1 gradation/step) As this value becomes larger, the gap between the tint and the code pattern widens, which causes the code pattern to be printed more clearly. When this value becomes smaller, they become harder to differentiate.	1 gradation/step	RW	No	No
810-260	HWM Latent Text Contrast Number 1 Gradation M Color	11	1~144	1 to 144 (1 count: 1 gradation/step) This is the latent text density of contrast number 1. It becomes darker as the value becomes larger and becomes lighter as the value becomes smaller.	1 gradation/step	RW	No	No
810-261	HWM Latent Text Between Contrast Numbers Gradation Gap M Color	4	1~144	1 to 144 (1 count: 1 gradation/step) This is the difference in latent text densities between the contrast numbers. The difference in densities between the contrast numbers increases as the value becomes larger and decreases as the value becomes smaller.	1 gradation/step	RW	No	No
810-262	HWM Latent Text Tint Gradation Gap M Color	138	0~288	0 to 288 (1 count: 1 gradation/step) As this value becomes larger, the gap between the tint and the code pattern widens, which causes the code pattern to be printed more clearly. When this value becomes smaller, they become harder to differentiate.	1 gradation/step	RW	No	No

6.3.33 NVM 820 Cont-Fax Service List

Table 1 NVM 820 Cont-Fax Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
820-221	Fax Board Availability	[DC] 1 [MF] 0	0~1	0 : Fax Card available 1 : Fax Card not available		RW	No	No
820-222	Fax Rotation Forced Prohibition Setting	1	0~1	0 : ON (Force to prohibit rotation) 1 : OFF (Follow existing rotation determinants)		RW	Yes	No

6.3.34 NVM 830 Cont-Internet Fax Service List

Table 1 NVM 830 Cont-Internet Fax Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
830-004	MIME Content Type T.37 Supported Version during Internet Fax Send	0	0~1	0~1 (0: T.37 4th Version, 1: T.37 3rd Version)		RW	Yes	No
830-005	Internet Fax Scan File Transfer Report Image Output Instruction	PFV_TRUE		PFV_FALSE: Do not output the image, PFV_TRUE: Output the image		RW	Yes	No
830-118	P2P Internet Fax Retry Attempts	1	0~1-5	0 : Do not retry 1-5 : No. of retry attempts		RW	Yes	No
830-119	P2P Internet Fax Retry Interval (Unit: Minutes)	1	0~1-60	0 : Retry immediately 1-60 : Interval (minutes)	Minute	RW	Yes	No
830-120	Print Mode for Internet Fax Receive	0	0~1	0 : Auto distribution 1: Print as Internet Fax Data		RW	Yes	No

6.3.35 NVM 840, 848 Cont-Scan Service List

Table 1 NVM 840, 848 Cont-Scan Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
840-021	SCAN ACS Menu Display Settings	[FX]: 0 [APO/GCO]: 1	0~1	0 : Do not display, 1: Display		RW	Yes	No
840-041	ScanToPC Network Browsing Timeout Time	5	1~300	1 to 300 (s)	Sec-onds	RW	Yes	No
840-049	Remote Address Book - Name Search Condition: Use Custom LDAP Attribute Type	2	1~2	1 : ON, 2: OFF		RW	Yes	No
840-104	Remote Address Book - Name Search Condition: Custom LDAP Attribute Type	NULL	Maximum 32 bytes	Up to 32 bytes including a NULL end character. Case sensitive. To enable this system data string, [Use Custom LDAP Attribute] must be ON.		RW	Yes	No
840-122	Color Page Resolution Change Process for Internet Fax Transmission of Scanned Documents	1	0~1	0 : High Quality, 1: High Speed		RW	Yes	No
840-123	BW Page Resolution Change Process for Internet Fax Transmission of Scanned Documents	1	1~2	1 : High Speed, 2: High Profile		RW	Yes	No
840-171	Mail Attachment Method for Single Page File	0	0~1	0: Multiple files per E-mail 1: One file per E-mail		RW	Yes	No
840-187	TIFF Upright Tag Changeable Flag	0	0~1	0 : Fixed 1 : Changeable (Setting 1 will output a TIFF that can be displayed vertically)		RW	Yes	No
840-190	IIT Image Upright Function	0	0~1	0 : OFF 1 : ON		RW	Yes	No
840-191	PDF/A Output Availability	2	1~2	1 : Output 2 : Do not output		RW	Yes	No
840-193	Enable ScanToURL Attachment Auto Switch Function	0	0~1	0 : Disabled, 1: Enabled		RW	No	No
840-194	Output PDF Version Lower Limit	0	0 : Not specified 1~5	0 : Not specified 1: PDF-1.3 (Acrobat 4.x), 2: PDF-1.4 (Acrobat 5.x), 3: PDF-1.5 (Acrobat 6.x), 4: PDF-1.6 (Acrobat 7.x), 5 : PDF-1.7		RW	Yes	No
840-196	Write Data Size during SMB Transfer	4096	1~65535	1~65535		RW	Yes	No
840-197	FTP Communication Mode	0	0~1	0: Passive communication, 1: Active communication		RW	Yes	No
840-201	Prohibit HTTP Scan Upload	0	0~1	0 : OFF, 1: ON		RW	No	No
840-202	Setting for Object Type Output to Word Processor	0	0~1	0: Output Text/Table/Object/Image 1: Output Text/Table		RW	Yes	No
840-203	Setting for Object Type Output to Spreadsheet	0	0~1	0: Output Text/Table/Object/Image 1: Output Text/Table		RW	Yes	No
840-204	Text Box Layout Setting	0	0~1	0: Integrated Text Box, 1: In 1-line units		RW	Yes	No
840-205	Force Text Box Background Color to White Setting	0	0~1	0: Perform Auto Judgment 1: Force Text Box background color to white		RW	Yes	No

Table 1 NVM 840, 848 Cont-Scan Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
840-206	Force Table Background Color to White Setting	0	0~1	0: Perform Auto Judgment 1: Force Table background color to white		RW	Yes	No
840-207	Force Text Color to Black Setting	0	0~1	0: Perform Auto Judgment 1: Force Text color to black		RW	Yes	No
840-208	Force Table Border to Black Setting	0	0~1	0: Perform Auto Judgment 1: Force Table Border to black		RW	Yes	No
840-209	Force Page Background Color to White Setting	0	0~1	0: Perform Auto Judgment 1: Force page background color setting to white		RW	Yes	No
840-210	Force Text Box Layer to Change Setting	0	0~2	0: Perform Auto Judgment 1: Force to bring the Text Box to front layer 2: Force to send the Text Box to back layer		RW	Yes	No
840-211	Force Text Box Color Fill Setting	0	0~2	0: Perform Auto Judgment for whether to fill or not 1: Always use color fill, 2: Always use transparent fill		RW	Yes	No
840-212	Scan ACS BW Judgment Output Switching	1	1~2	1 : Black & White, 2: Grayscale		RW	No	No
840-213	E-mail Attachment File Name Date & Time Information Availability	1	2~1	2: Do not add date & time info, 1: Add date & time info		RW	Yes	No
848-008	High Compression Push Scan Image Quality Adjustment	0	0~1	0 : Reduce the BL5 Window Size 1 : Increase the BL5 Window Size		RW	No	No
848-009	Selene Scan Image Output	0	0~1	0 : Debug Mode OFF 1 : Debug Mode ON (output JPEG)		RW	No	No
848-010	Binary Image Generation Logic Specification for Specific Color OCR	0	0~1	0: Logic 1 1: Logic 2		RW	No	No
848-011	Specific Color Image Quality/Compression Ratio Priority Specification	0	0~2	0: High Quality/Low Compression 1: Medium Quality/Medium Compression 2: Low Quality/High Compression		RW	No	No

6.3.36 NVM 850 Cont-EP-SV Service List

Table 1 NVM 850 Cont-EP-SV Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
850-027	Unit Price Table Used in New Method Subtractive Control Function	0	0~1	0 : Accessory side 1 : M/C side		RW	No	Yes
850-028	CHARGE Command Output Timing	1	0~1	0 : At Paper Feed Start Timing 1 : At Paper Output Timing		RW	No	Yes
850-029	Get Accessory Software Version	[FX]: 0 [APO/GCO]: 1	0~1	0 : ON 1 : Off		RW	No	Yes

6.3.37 NVM 855 to 859 Cont-EP-SV/BOX Service List

Table 1 NVM 855 to 859 Cont-EP-SV/BOX Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
855-001	Copy: Black & White, Small, 1st Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-002	Copy: Black & White, Small, 1st Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-003	Copy: Black & White, Small, 1st Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-004	Copy: Black & White, Small, 2nd Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-005	Copy: Black & White, Small, 2nd Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-006	Copy: Black & White, Small, 2nd Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-007	Copy: Black & White, Large, 1st Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-008	Copy: Black & White, Large, 1st Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-009	Copy: Black & White, Large, 1st Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-010	Copy: Black & White, Large, 2nd Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-011	Copy: Black & White, Large, 2nd Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-012	Copy: Black & White, Large, 2nd Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-031	Copy: Specific Color, Small, 1st Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-032	Copy: Specific Color, Small, 1st Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-033	Copy: Specific Color, Small, 1st Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-034	Copy: Specific Color, Small, 2nd Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-035	Copy: Specific Color, Small, 2nd Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-036	Copy: Specific Color, Small, 2nd Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-037	Copy: Specific Color, Large, 1st Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-038	Copy: Specific Color, Large, 1st Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-039	Copy: Specific Color, Large, 1st Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-040	Copy: Specific Color, Large, 2nd Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-041	Copy: Specific Color, Large, 2nd Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-042	Copy: Specific Color, Large, 2nd Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-061	Copy: Full Color, Small, 1st Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-062	Copy: Full Color, Small, 1st Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-063	Copy: Full Color, Small, 1st Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-064	Copy: Full Color, Small, 2nd Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-065	Copy: Full Color, Small, 2nd Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-066	Copy: Full Color, Small, 2nd Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-067	Copy: Full Color, Large, 1st Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-068	Copy: Full Color, Large, 1st Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-069	Copy: Full Color, Large, 1st Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-070	Copy: Full Color, Large, 2nd Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-071	Copy: Full Color, Large, 2nd Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No

Table 1 NVM 855 to 859 Cont-EP-SV/BOX Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
855-072	Copy: Full Color, Large, 2nd Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-101	Print: Black & White, Small, 1st Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-102	Print: Black & White, Small, 1st Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-103	Print: Black & White, Small, 1st Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-104	Print: Black & White, Small, 2nd Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-105	Print: Black & White, Small, 2nd Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-106	Print: Black & White, Small, 2nd Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-107	Print: Black & White, Large, 1st Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-108	Print: Black & White, Large, 1st Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-109	Print: Black & White, Large, 1st Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-110	Print: Black & White, Large, 2nd Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-111	Print: Black & White, Large, 2nd Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-112	Print: Black & White, Large, 2nd Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-131	Print: Specific Color, Small, 1st Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-132	Print: Specific Color, Small, 1st Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-133	Print: Specific Color, Small, 1st Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-134	Print: Specific Color, Small, 2nd Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-135	Print: Specific Color, Small, 2nd Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-136	Print: Specific Color, Small, 2nd Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-137	Print: Specific Color, Large, 1st Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-138	Print: Specific Color, Large, 1st Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-139	Print: Specific Color, Large, 1st Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-140	Print: Specific Color, Large, 2nd Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-141	Print: Specific Color, Large, 2nd Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-142	Print: Specific Color, Large, 2nd Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-161	Print: Full Color, Small, 1st Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-162	Print: Full Color, Small, 1st Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-163	Print: Full Color, Small, 1st Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-164	Print: Full Color, Small, 2nd Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-165	Print: Full Color, Small, 2nd Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-166	Print: Full Color, Small, 2nd Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-167	Print: Full Color, Large, 1st Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-168	Print: Full Color, Large, 1st Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-169	Print: Full Color, Large, 1st Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-170	Print: Full Color, Large, 2nd Side, Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-171	Print: Full Color, Large, 2nd Side, Other than Plain	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No
855-172	Print: Full Color, Large, 2nd Side, Bypass Feed	0	0: Not set, 1 to 9999999	0: Not set, 1 to 9999999: Unit price		RW	Yes	No

Table 1 NVM 855 to 859 Cont-EP-SV/BOX Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
856-001	Copy: Black & White, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-002	Copy: Black & White, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-003	Copy: Black & White, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-004	Copy: Black & White, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-005	Copy: Black & White, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-006	Copy: Black & White, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-007	Copy: Black & White, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-008	Copy: Black & White, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-009	Copy: Black & White, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-010	Copy: Black & White, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-011	Copy: Black & White, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-012	Copy: Black & White, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-031	Copy: Specific Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-032	Copy: Specific Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-033	Copy: Specific Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-034	Copy: Specific Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-035	Copy: Specific Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-036	Copy: Specific Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-037	Copy: Specific Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-038	Copy: Specific Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-039	Copy: Specific Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-040	Copy: Specific Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-041	Copy: Specific Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-042	Copy: Specific Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-061	Copy: Full Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-062	Copy: Full Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-063	Copy: Full Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-064	Copy: Full Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-065	Copy: Full Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-066	Copy: Full Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-067	Copy: Full Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-068	Copy: Full Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-069	Copy: Full Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-070	Copy: Full Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-071	Copy: Full Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-072	Copy: Full Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-101	Print: Black & White, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No

Table 1 NVM 855 to 859 Cont-EP-SV/BOX Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
856-102	Print: Black & White, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-103	Print: Black & White, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-104	Print: Black & White, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-105	Print: Black & White, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-106	Print: Black & White, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-107	Print: Black & White, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-108	Print: Black & White, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-109	Print: Black & White, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-110	Print: Black & White, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-111	Print: Black & White, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-112	Print: Black & White, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-131	Print: Specific Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-132	Print: Specific Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-133	Print: Specific Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-134	Print: Specific Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-135	Print: Specific Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-136	Print: Specific Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-137	Print: Specific Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-138	Print: Specific Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-139	Print: Specific Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-140	Print: Specific Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-141	Print: Specific Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-142	Print: Specific Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-161	Print: Full Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-162	Print: Full Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-163	Print: Full Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-164	Print: Full Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-165	Print: Full Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-166	Print: Full Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-167	Print: Full Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-168	Print: Full Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-169	Print: Full Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-170	Print: Full Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-171	Print: Full Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
856-172	Print: Full Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
857-001	Copy: Black & White, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-002	Copy: Black & White, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No

Table 1 NVM 855 to 859 Cont-EP-SV/BOX Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
857-003	Copy: Black & White, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-004	Copy: Black & White, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-005	Copy: Black & White, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-006	Copy: Black & White, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-007	Copy: Black & White, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-008	Copy: Black & White, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-009	Copy: Black & White, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-010	Copy: Black & White, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-011	Copy: Black & White, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-012	Copy: Black & White, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-031	Copy: Specific Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-032	Copy: Specific Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-033	Copy: Specific Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-034	Copy: Specific Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-035	Copy: Specific Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-036	Copy: Specific Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-037	Copy: Specific Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-038	Copy: Specific Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-039	Copy: Specific Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-040	Copy: Specific Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-041	Copy: Specific Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-042	Copy: Specific Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-061	Copy: Full Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-062	Copy: Full Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-063	Copy: Full Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-064	Copy: Full Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-065	Copy: Full Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-066	Copy: Full Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-067	Copy: Full Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-068	Copy: Full Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-069	Copy: Full Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-070	Copy: Full Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-071	Copy: Full Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-072	Copy: Full Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-101	Print: Black & White, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-102	Print: Black & White, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-103	Print: Black & White, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No

Table 1 NVM 855 to 859 Cont-EP-SV/BOX Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
857-104	Print: Black & White, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-105	Print: Black & White, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-106	Print: Black & White, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-107	Print: Black & White, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-108	Print: Black & White, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-109	Print: Black & White, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-110	Print: Black & White, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-111	Print: Black & White, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-112	Print: Black & White, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-131	Print: Specific Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-132	Print: Specific Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-133	Print: Specific Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-134	Print: Specific Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-135	Print: Specific Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-136	Print: Specific Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-137	Print: Specific Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-138	Print: Specific Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-139	Print: Specific Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-140	Print: Specific Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-141	Print: Specific Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-142	Print: Specific Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-161	Print: Full Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-162	Print: Full Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-163	Print: Full Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-164	Print: Full Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-165	Print: Full Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-166	Print: Full Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-167	Print: Full Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-168	Print: Full Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-169	Print: Full Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-170	Print: Full Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-171	Print: Full Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
857-172	Print: Full Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
858-001	Copy: Black & White, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-002	Copy: Black & White, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-003	Copy: Black & White, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-004	Copy: Black & White, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No

Table 1 NVM 855 to 859 Cont-EP-SV/BOX Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
858-005	Copy: Black & White, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-006	Copy: Black & White, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-007	Copy: Black & White, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-008	Copy: Black & White, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-009	Copy: Black & White, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-010	Copy: Black & White, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-011	Copy: Black & White, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-012	Copy: Black & White, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-031	Copy: Specific Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-032	Copy: Specific Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-033	Copy: Specific Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-034	Copy: Specific Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-035	Copy: Specific Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-036	Copy: Specific Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-037	Copy: Specific Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-038	Copy: Specific Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-039	Copy: Specific Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-040	Copy: Specific Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-041	Copy: Specific Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-042	Copy: Specific Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-061	Copy: Full Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-062	Copy: Full Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-063	Copy: Full Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-064	Copy: Full Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-065	Copy: Full Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-066	Copy: Full Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-067	Copy: Full Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-068	Copy: Full Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-069	Copy: Full Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-070	Copy: Full Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-071	Copy: Full Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-072	Copy: Full Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-101	Print: Black & White, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-102	Print: Black & White, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-103	Print: Black & White, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-104	Print: Black & White, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-105	Print: Black & White, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No

Table 1 NVM 855 to 859 Cont-EP-SV/BOX Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
858-106	Print: Black & White, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-107	Print: Black & White, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-108	Print: Black & White, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-109	Print: Black & White, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-110	Print: Black & White, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-111	Print: Black & White, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-112	Print: Black & White, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-131	Print: Specific Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-132	Print: Specific Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-133	Print: Specific Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-134	Print: Specific Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-135	Print: Specific Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-136	Print: Specific Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-137	Print: Specific Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-138	Print: Specific Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-139	Print: Specific Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-140	Print: Specific Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-141	Print: Specific Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-142	Print: Specific Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-161	Print: Full Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-162	Print: Full Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-163	Print: Full Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-164	Print: Full Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-165	Print: Full Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-166	Print: Full Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-167	Print: Full Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-168	Print: Full Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-169	Print: Full Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-170	Print: Full Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-171	Print: Full Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
858-172	Print: Full Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		RW	Yes	No
859-001	Copy: Black & White, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-002	Copy: Black & White, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-003	Copy: Black & White, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-004	Copy: Black & White, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-005	Copy: Black & White, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-006	Copy: Black & White, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No

Table 1 NVM 855 to 859 Cont-EP-SV/BOX Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
859-007	Copy: Black & White, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-008	Copy: Black & White, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-009	Copy: Black & White, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-010	Copy: Black & White, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-011	Copy: Black & White, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-012	Copy: Black & White, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-031	Copy: Specific Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-032	Copy: Specific Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-033	Copy: Specific Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-034	Copy: Specific Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-035	Copy: Specific Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-036	Copy: Specific Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-037	Copy: Specific Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-038	Copy: Specific Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-039	Copy: Specific Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-040	Copy: Specific Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-041	Copy: Specific Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-042	Copy: Specific Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-061	Copy: Full Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-062	Copy: Full Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-063	Copy: Full Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-064	Copy: Full Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-065	Copy: Full Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-066	Copy: Full Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-067	Copy: Full Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-068	Copy: Full Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-069	Copy: Full Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-070	Copy: Full Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-071	Copy: Full Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-072	Copy: Full Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-101	Print: Black & White, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-102	Print: Black & White, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-103	Print: Black & White, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-104	Print: Black & White, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-105	Print: Black & White, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-106	Print: Black & White, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-107	Print: Black & White, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No

Table 1 NVM 855 to 859 Cont-EP-SV/BOX Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
859-108	Print: Black & White, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-109	Print: Black & White, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-110	Print: Black & White, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-111	Print: Black & White, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-112	Print: Black & White, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-131	Print: Specific Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-132	Print: Specific Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-133	Print: Specific Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-134	Print: Specific Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-135	Print: Specific Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-136	Print: Specific Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-137	Print: Specific Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-138	Print: Specific Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-139	Print: Specific Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-140	Print: Specific Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-141	Print: Specific Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-142	Print: Specific Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-161	Print: Full Color, Small, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-162	Print: Full Color, Small, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-163	Print: Full Color, Small, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-164	Print: Full Color, Small, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-165	Print: Full Color, Small, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-166	Print: Full Color, Small, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-167	Print: Full Color, Large, 1st Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-168	Print: Full Color, Large, 1st Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-169	Print: Full Color, Large, 1st Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-170	Print: Full Color, Large, 2nd Side, Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-171	Print: Full Color, Large, 2nd Side, Other than Plain	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No
859-172	Print: Full Color, Large, 2nd Side, Bypass Feed	0	0~4294967295	0~4294967295: Cumulative value		R	Yes	No

6.3.38 NVM 870, 880, 900, 910, 920 Cont-Diag/Web-EP Service List

Table 1 NVM 870, 880, 900, 910, 920 Cont-Diag/Web-EP Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
870-002	Latest IIT Calibration Date	0		The date and time at when the IIT Calibration (DC945) was last performed. This is stored as the UTC time (seconds counted from GMT 00:00:00 01/01/1970) that was obtained by PfDateGetCurrent().		R	No	No
870-005	Scan Document Storage Folder Number	0	0,1~1000	0: (Folder is not set up) 1 to 1000: Scan Document Storage Folder Number		RW	Yes	No
870-010	XERO: CRU #1 Wear Reduction Current Value	-	0~99999999	0~99999999		R	No	Yes
870-011	XERO: CRU #2 Wear Reduction Current Value	-	0~99999999	0~99999999		R	No	Yes
870-012	XERO: CRU #3 Wear Reduction Current Value	-	0~99999999	0~99999999		R	No	Yes
870-013	XERO: CRU #4 Wear Reduction Current Value	-	0~99999999	0~99999999		R	No	Yes
870-014	XERO: #1 CRU Warning Current Value	-	0~99999999	0~99999999		R	No	Yes
870-015	XERO: #1 Drum Total Cycle Current Value	-	0~99999999	0~99999999		R	No	Yes
870-016	XERO: #2 Drum Total Cycle Current Value	-	0~99999999	0~99999999		R	No	Yes
870-017	XERO: #3 Drum Total Cycle Current Value	-	0~99999999	0~99999999		R	No	Yes
870-018	XERO: #4 Drum Total Cycle Current Value	-	0~99999999	0~99999999		R	No	Yes
870-019	XERO: #1 Drum DC Cycle Current Value	-	0~99999999	0~99999999		R	No	Yes
870-020	XERO: #2 Drum DC Cycle Current Value	-	0~99999999	0~99999999		R	No	Yes
870-021	XERO: #3 Drum DC Cycle Current Value	-	0~99999999	0~99999999		R	No	Yes
870-022	XERO: #4 Drum DC Cycle Current Value	-	0~99999999	0~99999999		R	No	Yes
870-023	XERO: #1 Drum AC Cycle Current Value	-	0~99999999	0~99999999		R	No	Yes
870-024	XERO: #2 Drum AC Cycle Current Value	-	0~99999999	0~99999999		R	No	Yes
870-025	XERO: #3 Drum AC Cycle Current Value	-	0~99999999	0~99999999		R	No	Yes
870-026	XERO: #4 Drum AC Cycle Current Value	-	0~99999999	0~99999999		R	No	Yes
870-027	X'fer: IBT Belt (IMPS)	-	0~99999999	0~99999999		R	No	Yes
870-028	X'fer: IBT Belt (CYCLE)	-	0~99999999	0~99999999		R	No	Yes
870-029	X'fer: 1st BTR	-	0~99999999	0~99999999		R	No	Yes
870-030	X'fer: Back Up Roll	-	0~99999999	0~99999999		R	No	Yes
870-031	X'fer: 2nd BTR Unit	-	0~99999999	0~99999999		R	No	Yes
870-032	X'fer: Bearing BTR	-	0~99999999	0~99999999		R	No	Yes
870-033	X'fer: Trim within Transfer Module	-	0~99999999	0~99999999		R	No	Yes
870-034	X'fer: Belt Cleaner Blade	-	0~99999999	0~99999999		R	No	Yes
870-035	X'fer: Belt Cleaner Film Seal	-	0~99999999	0~99999999		R	No	Yes
870-036	PH: 1 Tray Feed Count	-	0~99999999	0~99999999		R	No	Yes
870-037	PH: MSI Feed Count	-	0~99999999	0~99999999		R	No	Yes
870-038	PH: 3TM Tray 2 Feed Count	-	0~99999999	0~99999999		R	No	Yes
870-039	PH: 3TM Tray 3 Feed Count	-	0~99999999	0~99999999		R	No	Yes

Table 1 NVM 870, 880, 900, 910, 920 Cont-Diag/Web-EP Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTE M Area
870-040	PH: 3TM Tray 4 Feed Count	-	0~99999999	0~99999999		R	No	Yes
870-041	PH: 1TM Tray 2 Feed Count	-	0~99999999	0~99999999		R	No	Yes
870-042	PH: TTM Tray 2 Feed Count	-	0~99999999	0~99999999		R	No	Yes
870-043	PH: TTM Tray 3 Feed Count	-	0~99999999	0~99999999		R	No	Yes
870-044	PH: TTM Tray 4 Feed Count	-	0~99999999	0~99999999		R	No	Yes
870-045	Fusing Unit, NOHAD: PV (CV) Counter to Check the Replacement Life of the Filter for ROS Contamination	-	0~99999999	0~99999999		R	No	Yes
870-200	Input Tray Setting	1	0~9	0 : Auto, 1: Tray 1, 2: Tray 2, 3: Tray 3, 4 : Tray 4, 5: Tray 5, 6: SMH, 7: Tray 6 (HCF), 8 : Tray 7 (HCF), 9: Interposer		RW	No	No
870-202	Copies (Output Sheet Count) Setting	1	1~999	1 to 999 sets	set	RW	No	No
870-203	1 Sided Output/2 Sided Output Setting	0	0~2	0 : 1 Sided, 1: 2 Sided (Head to Head/Long Edge Flip), 2: 2 Sided (Head to Toe)		RW	No	No
870-204	Paper Type Setting	0	0~79	0: Plain, 1: Recycled, 2: Bond, 3: Lightweight, 4: Heavyweight, 5: Extra Heavyweight, 6: Heavyweight Reload, 7: Extra Heavyweight Reload, 8: Extra Heavyweight Plus, 9: Extra Heavyweight Plus Reload, 10: Transparency, 11: Adhesive, 12: Labels, 13 to 31: Plain A to S, 32: Heavyweight A, 33: Heavyweight B, 34: Heavyweight S, 35: Heavyweight A (Reload), 36: Heavyweight B (Reload), 37: Heavyweight S (Reload), 38: Extra Heavyweight A, 39: Extra Heavyweight B, 40: Extra Heavyweight S, 41: Extra Heavyweight A (Reload), 42: Extra Heavyweight B (Reload), 43: Extra Heavyweight S (Reload), 44: Heavyweight C, 45: Heavyweight C (Reload), 46: Extra Heavyweight C, 47: Extra Heavyweight C (Reload), 48: Extra Heavyweight D, 49: Extra Heavyweight D (Reload), 50: Gloss, 51: Gloss (Reload), 52: HW Gloss, 53: HW Gloss (Reload), 54: Gloss Special (Coated Paper), 55 to 59: Custom Paper 1 to 5, 60: Tracing Paper, 61: Reload, 62: Tab Stock, 63: HW Tab Stock, 64: Labels 1, 65: Labels 2, 66: Hole Punched, 67: Plain S1, 68: Plain S2, 69: Recycled A, 70: Recycled B, 71: Heavyweight S1, 72: Heavyweight S2, 73: Extra Heavyweight E, 74: Extra Heavyweight S1, 75: Extra Heavyweight S2, 76: Tab Stock 1, 77: Tab Stock 2, 78: Gloss A, 79: Gloss B		RW	No	No
870-205	Output Color Setting	0	0~3	0 : Full Color, 1: 3 Color, 2: Mono Color, 3 : Black (BW Mode)		RW	No	No
870-206	Single Color Setting	0	0~6	0 : Black, 1: Yellow, 2: Magenta, 3: Cyan, 4: Red, 5 : Green, 6: Blue		RW	No	No
870-207	Screen Setting	7	0~13	0 : Text, 1: Photo, 2: Binary ED, 3: 24 ED, 4: 300DACS, 5 : 600, 6 : 300, 7 : 200C, 8: 200R, 9: 150, 10 : FINE, 11 : 106 lines, 12: Gray Font (1200), 13: 200L		RW	No	No
870-208	LUT Setting	3	0~3	0 : All OFF, 1: IOT ON, 2: Ctrack ON, 3: IOT & Ctrack ON		RW	No	No
870-209	Density Setting	0	0~100	0~100%		RW	No	No

Table 1 NVM 870, 880, 900, 910, 920 Cont-Diag/Web-EP Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
870-210	Resolution Setting	2	0~4	0: 1200x1200, 1: 1200x600, 2 : 600x600, 3: 300x300, 4: Not in use		RW	No	No
870-211	Paper Size (Standard) Setting	5	0~50	0: A6 SEF, 1: A6 LEF, 2: A5 SEF, 3: A5 LEF, 4: A4 SEF, 5: A4 LEF, 6: A3 SEF, 7: B6 SEF, 8: B6 LEF, 9: B5 SEF, 10: B5 LEF, 11: B4 SEF, 12: 5.5x8.5 (Statement) SEF, 13: 5.5x8.5 (Statement) LEF, 14: 7.25x10.5 (Executive) SEF, 15: 7.25x10.5 (Executive) LEF, 16: 8x10 SEF, 17: 8x10 LEF, 18: Letter SEF, 19: Letter LEF, 20: 8.46x12.4 (Spanish) SEF, 21: 8.5x13 (Legal 13) SEF, 22: 8.5x14 (Legal 14) SEF, 23: 11x15 SEF, 24: 11x17 (Ledger) SEF, 25: A4 Cover LEF, 26: 9x11 (Letter Cover) LEF, 27: 12.0x18.0 SEF, 28: 12.6x17.7 (SRA3) SEF, 29: 12.6x19.2 SEF, 30: 13x18 SEF, 31: 13x19 SEF, 32: 16K (FXTW) SEF, 33: 16K (FXTW) LEF, 34: 8K (FXTW) SEF, 35: 16K (GCO) SEF, 36: 16K (GCO) LEF, 37: 8K (GCO) SEF, 38: Postcard (100x148 mm) SEF, 39: Postcard (100x148 mm) LEF, 40: Postcard (148x200 mm) SEF, 41: PostCard (4x6) SEF, 42: PostCard (4x6) LEF, 43: PostCard (5x7) SEF, 44: Envelope (Choukei 3) SEF, 45: Envelope (Choukei 3) LEF, 46: Com 10 LEF, 47: Monarch LEF, 48: DL LEF, 49: Envelope (Kakukei 20) SEF, 50: Envelope (Kakukei 6) LEF		RW	No	No
880-022	Subject Switching	1	0~1	0: Do not append status code to Subject 1: Append status code to Subject		RW	No	No
900-001~999	Tag 1V to Tag 999V	0	1V to 999V 0~1	Tag info 1V to 999V 0 : OFF, 1: ON		RW	No	No
910-003	System Control Information for Media Print	1	0~1	0: Disabled, 1: Enabled		RW	Yes	No
920-028	Receivable Request Count	1	1	1 (fixed value in DMP2007-2a)		RW	No	No
920-029	Receivable Request Size (Bytes)	102400	0~4294967295	0~4294967295		RW	No	No
920-030	Most Urgent Alert Level Among Outgoing Alert Calls	0	0~6	0~6		RW	No	No
920-031	Short Cycle Retry Attempts	4	0~255	0~255		RW	No	No
920-032	Short Cycle Retry Interval (Second)	45	0~255	0 to 255 (s)	Sec- onds	RW	No	No
920-033	Long Cycle Retry Attempts	45	0~255	0~255		RW	No	No
920-034	Long Cycle Retry Interval (Minute)	30	0~255	0 to 255 (Minutes)	Minut e	RW	No	No
920-040	Monitor Time Setting when Left in Document Jam State	0	0 : Feature disabled 10~255	0 : Feature disabled 10 to 255 (minutes)	minut e	RW	No	No
920-041	Monitor Time Setting when Left in Paper Jam State	0	0 : Feature disabled 10~255	0 : Feature disabled 10 to 255 (minutes)	minut e	RW	No	No
920-042	Monitor Time Setting when left in Interlock Open State	0	0 : Feature disabled 10~255	0 : Feature disabled 10 to 255 (minutes)	minut e	RW	No	No

Table 1 NVM 870, 880, 900, 910, 920 Cont-Diag/Web-EP Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
920-043	Monitor Time Setting when left in Offline State	0	0 : Feature disabled 10~255	0 : Feature disabled 10 to 255 (minutes)	minute	RW	No	No
920-057	User-Agent Header Attachment Setting at Failed Download	1	0~1	0 : Do not add, 1: Add		RW	No	No
920-064	FW Download Communication Timeout Setting	1	1~15	1~15		RW	No	No
920-067	EP-BB Proxy Detection Method Setting	0	0~2	0: Specify proxy address directly 1: Use PAC file, 2: Use WPAD		RW	No	No
920-068	PAC File Storage URL	NULL	Maximum 256 bytes	The PAC File Storage URL. Up to 256 bytes including a NULL end character.		RW	No	No
920-070	Debug Log Auto Notification Setting	0	0~1	0 : Disabled, 1: Enabled		RW	No	No
920-079	Appointment Period Availability for Software Update (Date Specification)	8	1-30	1 to 30: Available period for appointment (Unit: day) Displays how many days after the current period when the appointment becomes available.	Day	RW	No	No
920-501	Single Alert Setting No.1 Chain Number	0	0~999	0~999		RW	No	No
920-502	Single Alert Setting No.1 Link Number	0	0~999	0~999		RW	No	No
920-503	Single Alert Setting No.2 Chain Number	0	0~999	0~999		RW	No	No
920-504	Single Alert Setting No.2 Link Number	0	0~999	0~999		RW	No	No
920-505	Single Alert Setting No.3 Chain Number	0	0~999	0~999		RW	No	No
920-506	Single Alert Setting No.3 Link Number	0	0~999	0~999		RW	No	No
920-507	Single Alert Setting No.4 Chain Number	0	0~999	0~999		RW	No	No
920-508	Single Alert Setting No.4 Link Number	0	0~999	0~999		RW	No	No
920-509	Single Alert Setting No.5 Chain Number	0	0~999	0~999		RW	No	No
920-510	Single Alert Setting No.5 Link Number	0	0~999	0~999		RW	No	No
920-511	Single Alert Setting No.6 Chain Number	0	0~999	0~999		RW	No	No
920-512	Single Alert Setting No.6 Link Number	0	0~999	0~999		RW	No	No
920-513	Single Alert Setting No.7 Chain Number	0	0~999	0~999		RW	No	No
920-514	Single Alert Setting No.7 Link Number	0	0~999	0~999		RW	No	No
920-515	Single Alert Setting No.8 Chain Number	0	0~999	0~999		RW	No	No
920-516	Single Alert Setting No.8 Link Number	0	0~999	0~999		RW	No	No
920-517	Single Alert Setting No.9 Chain Number	0	0~999	0~999		RW	No	No
920-518	Single Alert Setting No.9 Link Number	0	0~999	0~999		RW	No	No
920-519	Single Alert Setting No.10 Chain Number	0	0~999	0~999		RW	No	No
920-520	Single Alert Setting No.10 Link Number	0	0~999	0~999		RW	No	No
920-521	Single Alert Setting No.11 Chain Number	0	0~999	0~999		RW	No	No
920-522	Single Alert Setting No.11 Link Number	0	0~999	0~999		RW	No	No
920-523	Single Alert Setting No.12 Chain Number	0	0~999	0~999		RW	No	No
920-524	Single Alert Setting No.12 Link Number	0	0~999	0~999		RW	No	No
920-525	Single Alert Setting No.13 Chain Number	0	0~999	0~999		RW	No	No

Table 1 NVM 870, 880, 900, 910, 920 Cont-Diag/Web-EP Service List

Chain-Link	NVM Name	Default Value	Setting Range	Description	Step	Read/Write	Initialize Sys-USER Area	Initialize Sys-SYSTEM Area
920-526	Single Alert Setting No.13 Link Number	0	0~999	0~999		RW	No	No
920-527	Single Alert Setting No.14 Chain Number	0	0~999	0~999		RW	No	No
920-528	Single Alert Setting No.14 Link Number	0	0~999	0~999		RW	No	No
920-529	Single Alert Setting No.15 Chain Number	0	0~999	0~999		RW	No	No
920-530	Single Alert Setting No.15 Link Number	0	0~999	0~999		RW	No	No
920-531	Single Alert Setting No.16 Chain Number	0	0~999	0~999		RW	No	No
920-532	Single Alert Setting No.16 Link Number	0	0~999	0~999		RW	No	No
920-533	Single Alert Setting No.17 Chain Number	0	0~999	0~999		RW	No	No
920-534	Single Alert Setting No.17 Link Number	0	0~999	0~999		RW	No	No
920-535	Single Alert Setting No.18 Chain Number	0	0~999	0~999		RW	No	No
920-536	Single Alert Setting No.18 Link Number	0	0~999	0~999		RW	No	No
920-537	Single Alert Setting No.19 Chain Number	0	0~999	0~999		RW	No	No
920-538	Single Alert Setting No.19 Link Number	0	0~999	0~999		RW	No	No
920-539	Single Alert Setting No.20 Chain Number	0	0~999	0~999		RW	No	No
920-540	Single Alert Setting No.20 Link Number	0	0~999	0~999		RW	No	No

6.3.39 NVM 991 HCS 1 List

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-002	Output Device Configuration	0: HCS 1: TBD 2: TBD 3: TBD 4: TBD	0	0	5	OK	Read/ Write
991-003	HCS Major Soft Version	Major Version of HCS Software	0	0	65535	NG	Read
991-004	HCS Minor Soft Version	Minor Version of HCS Software	0	0	65535	NG	Read
991-006	IPL Version	Indicates the IPL Version.	0	0	255	NG	Read
991-009	Stop Trigger at Fail (049-248) Occurrence	0: Stop at the usual Fail (049-248). See below for other than '0': • Bit 0: Edge Sensor Motor • Bit 1: Offset Motor • Bit 2: Out Tamper Motor • Bit 3: Lead Tamper Motor • Bit 4: In Tamper Motor • Bit 5: Extension Motor • Bit 6: Clamper Motor • Bit 7: PAD Motor	0	0	65535	OK	Read
991-010	Edge Sensor Unit Home Operation Retry Attempts	No. of retry attempts	0	0	65535	OK	Read
991-011	Air Extractor Fan (Paper 1, 2) Control Selection	Selects the availability of Air Extractor Fan 1 control 0: Control not available 1: Control available	1	0	1	OK	Read/ Write
991-012	Debug Mode Transport Speed Selection	0: 606 mm/s 1: 350 mm/s	0	0	1	OK	Read/ Write
991-013	Cooling Fan Lower 1 Control Selection (Exhaust)	Selects the availability of Cooling Fan Lower 1 control. 0: Control not available 1: Control available	1	0	1	OK	Read/ Write
991-014	Cooling Fan Upper 1 Control Selection (Exhaust)	Selects the availability of Cooling Fan Upper 1 control. 0: Control not available, 1: Control available	1	0	1	OK	Read/ Write
991-015	Offset Position	Last Offset Position. 0: REAR 1: FRONT	0	0	1	OK	Read/ Write
991-016	Fan Setting	Fan Setting. When set to None, fan alarm will not be detected. 0: Available 1: None	0	0	1	OK	Read/ Write
991-047	Tray Height Control Mode	0: Type-S (Alignment Priority) 1: Type-M (Productivity Priority) 2: Do not detect stacking error	0	0	2	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali-ization Possible	Read/Write
991-080	Tray Height Control Sensor Selection	Selects the sensor that performs the Tray Height Control. 0: Tray Height Sensor HC 1: Tray Height Sensor HC, YL, YC, YR	1	0	1	OK	Read/Write
991-085	Dispersion Time 1_Paper Size Change	The dispersion time when changing the Paper Size. Unit: ms	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	65535	OK	Read/Write
991-086	Dispersion Time 2_Paper Type Change	The dispersion time when changing the Paper Type. Unit: ms	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	65535	OK	Read/Write
991-087	Dispersion Time 3_Feed Tray Change	The dispersion time when changing the Feed Tray. Unit: ms	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	65535	OK	Read/Write
991-088	Dispersion Time 4_Output Face (Simp/Invert/Dup) Change	The dispersion time when changing the Output Face. Unit: ms	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	65535	OK	Read/Write
991-089	Dispersion Time 5_Lightweight	The dispersion time when transporting Lightweight Paper. Unit: ms	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	65535	OK	Read/Write
991-090	Dispersion Time 6_Plain/Reload/Recycled/Hole Punched	The dispersion time when transporting Plain/Reload/Recycled/Hole Punched Paper. Unit: ms	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	65535	OK	Read/Write
991-091	Dispersion Time 7_Heavyweight	The dispersion time when transporting Heavyweight Paper. Unit: ms	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	65535	OK	Read/Write
991-092	Dispersion Time 8_Tab Stock	The dispersion time when transporting Tab Stock Paper. Unit: ms	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	65535	OK	Read/Write
991-093	Dispersion Time 9_Gloss	The dispersion time when transporting Gloss Paper. Unit: ms	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	65535	OK	Read/Write
991-094	Dispersion Time 10_Extra Heavyweight/HW Tab Stock/HW Gloss	The dispersion time when transporting Extra Heavyweight/HW Tab Stock/HW Gloss Paper. Unit: ms	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	65535	OK	Read/Write
991-095	Dispersion Time 11_Transparency/Labels/Adhesive	The dispersion time when transporting Transparency/Labels/Adhesive. Unit: ms	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	65535	OK	Read/Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-113	Cooling Fan Lower 1 Control 1	Determines whether the Cooling Fan Lower 1 should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to Plain, Recycled, Reload, and Hole Punched Paper. 0: Do not operate. 1: Operate only for 1 Sided/Single Color. 2: Operate only for 2 Sided/Single Color. 3: Operate only for 1 Sided/Single Color, 2 Sided/Single Color. 4: Operate only for 1 Sided/Color. 5: Operate only for 2 Sided/Color. 6: Operate only for 1 Sided/Color, 2 Sided/Color. 7: Operate only for 1 Sided/Single Color, 1 Sided/Color. 8: Operate only for 1 Sided/Single Color, 2 Sided/Color. 9: Operate only for 1 Sided/Single Color, 1 Sided/Color, 2 Sided/Color. 10: Operate only for 2 Sided/Single Color, 1 Sided/Color. 11: Operate only for 2 Sided/Single Color, 2 Sided/Color. 12: Operate only for 2 Sided/Single Color, 1 Sided/Color, 2 Sided/Color. 13: Operate only for 1 Sided/Single Color, 2 Sided/Single Color, 1 Sided/Color. 14: Operate only for 1 Sided/Single Color, 2 Sided/Single Color, 2 Sided/Color. 15: Operate for all.	D125G, 4127/4112G: 11 700DCP, Color J75/C75 Press: 11 C 1000/800 Press: 11	0	15	OK	Read/ Write
991-114	Cooling Fan Lower 2 Control 1	Determines whether the Cooling Fan Lower 1 should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to Heavyweight, Heavyweight (Reload), Tab Stock, and Hole Punched Heavyweight Paper. The values are the same as for [Cooling Fan Lower 1 Control 1].	D125G, 4127/4112G: 11 700DCP, Color J75/C75 Press: 11 C 1000/800 Press: 11	0	15	OK	Read/ Write
991-115	Cooling Fan Lower 3 Control 1	Determines whether the Cooling Fan Lower 1 should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to Extra Heavyweight, Extra Heavyweight (Reload), HW Tab Stock, and Hole Punched Extra Heavyweight Paper. The values are the same as for [Cooling Fan Lower 1 Control 1].	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	15	OK	Read/ Write
991-116	Cooling Fan Lower 4 Control 1	Determines whether the Cooling Fan Lower 1 should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to Gloss and Gloss (Reload) Paper. The values are the same as for [Cooling Fan Lower 1 Control 1].	D125G, 4127/4112G: 15 700DCP, Color J75/C75 Press: 15 C 1000/800 Press: 15	0	15	OK	Read/ Write
991-117	Cooling Fan Lower 5 Control 1	Determines whether the Cooling Fan Lower 1 should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to HW Gloss and HW Gloss (Reload) Paper. The values are the same as for [Cooling Fan Lower 1 Control 1].	D125G, 4127/4112G: 15 700DCP, Color J75/C75 Press: 15 C 1000/800 Press: 15	0	15	OK	Read/ Write
991-118	Cooling Fan Lower 6 Control 1	Determines whether the Cooling Fan Lower 1 should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to Transparency. The values are the same as for [Cooling Fan Lower 1 Control 1].	D125G, 4127/4112G: 7 700DCP, Color J75/C75 Press: 7 C 1000/800 Press: 7	0	15	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali-ization Possible	Read/Write
991-119	Cooling Fan Lower 7 Control 1	Determines whether the Cooling Fan Lower 1 should operate based on the Copy Mode and Paper Type. The paper type of this NVM is applied to Labels, HW Labels and Transfer Paper. The values are the same as for [Cooling Fan Lower 1 Control 1].	D125G, 4127/4112G: 7 700DCP, Color J75/C75 Press: 7 C 1000/800 Press: 7	0	15	OK	Read/Write
991-120	Full Stack (SheetCount) Normal Paper #1 SS_Size < 210 mm	During Stacker output with Paper Length < 210 mm for D125G, 4127/4112G: 4: Lightweight Paper 700DCP, Color J75/C75 Press: 1: Normal Paper (64-80 gsm), 17: Recycled Paper (64-80 gsm), 20: Hole Punched Paper (64-80 gsm), 43: Reused Paper (64-80 gsm) C 1000/800 Press: 1: Normal Paper (55-80 gsm), 20: Hole Punched Paper (55-80 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/Write
991-121	Full Stack (SheetCount) Normal Paper #2 SS_Size < 210 mm	During Stacker output with Paper Length < 210 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 2: Normal Paper (81-90 gsm), 18: Recycled Paper (81-90 gsm), 21: Hole Punched Paper (81-90 gsm), 44: Reused Paper (81-90 gsm) C 1000/800 Press: 2: Normal Paper (81-90 gsm), 21: Hole Punched Paper (81-90 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/Write
991-122	Full Stack (SheetCount) Normal Paper #3 SS_Size < 210 mm	During Stacker output with Paper Length < 210 mm for D125G, 4127/4112G: 1: Normal Paper (64-105 gsm), 9: Reused Paper (Reload) (64-105 gsm), 10: Hole Punched Paper (64-105 gsm), 11: Normal Paper S1 (64-105 gsm), 12: Recycled Paper S1 (64-105 gsm), 21: Reused Normal Paper S1 (64-105 gsm) 700DCP, Color J75/C75 Press: 3: Normal Paper (91-105 gsm), 19: Recycled Paper (91-105 gsm), 22: Hole Punched Paper (91-105 gsm), 45: Reused Paper (91-105 gsm) C 1000/800 Press: 3: Normal Paper (91-105 gsm), 22: Hole Punched Paper (91-105 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-123	Full Stack (Sheet Count) Thick Paper #1-1 SS_Size < 210 mm	During Stacker output with Paper Length < 210 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 4: Normal Paper (106-128 gsm), 23: Hole Punched Paper (106-128 gsm), 29: Tab Stock Paper (106-128 gsm), 35: Label Paper (106-128 gsm), 46: Reused Paper (106-128 gsm), 58: Postcard (106-128 gsm) C 1000/800 Press: 4: Normal Paper (106-128 gsm), 23: Hole Punched Paper (106-128 gsm), 29: Tab Stock Paper (55-128 gsm), 58: Postcard (55-128 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/ Write
991-124	Full Stack (Sheet Count) Thick Paper #1-2 SS_Size < 210 mm	During Stacker output with Paper Length < 210 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 5: Normal Paper (129-150 gsm), 24: Hole Punched Paper (129-150 gsm), 30: Tab Stock Paper (129-150 gsm), 36: Label Paper (129-150 gsm), 47: Reused Paper (129-150 gsm), 59: Postcard (129-150 gsm) C 1000/800 Press: 5: Normal Paper (129-150 gsm), 24: Hole Punched Paper (129-150 gsm), 30: Tab Stock Paper (129-150 gsm), 59: Postcard (129-150 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/ Write
991-125	Full Stack (Sheet Count) Thick Paper #1-3 SS_Size < 210 mm	During Stacker output with Paper Length < 210 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 6: Normal Paper (151-176 gsm), 25: Hole Punched Paper (151-176 gsm), 31: Tab Stock Paper (151-176 gsm), 37: Label Paper (151-176 gsm), 48: Reused Paper (151-176 gsm), 60: Postcard (151-176 gsm) C 1000/800 Press: 6: Normal Paper (151-176 gsm), 25: Hole Punched Paper (151-176 gsm), 31: Tab Stock Paper (151-176 gsm), 60: Postcard (151-176 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-126	Full Stack (Sheet Count) Thick Paper #1-4 SS_Size < 210 mm	During Stacker output with Paper Length < 210 mm for D125G, 4127/4112G: 2: Thick Paper #1 (106-216 gsm), 6: Label Paper (106-216 gsm), 7: Tab Stock Paper-Thick #1 (106-216 gsm), 13: Thick Paper #1 S1 (106-216 gsm) 700DCP, Color J75/C75 Press: 7: Normal Paper (177-220 gsm), 26: Hole Punched Paper (177-220 gsm), 32: Tab Stock Paper (177-220 gsm), 38: Label Paper (177-220 gsm), 49: Reused Paper (177-220 gsm), 61: Postcard (177-220 gsm) C 1000/800 Press: 7: Normal Paper (177-220 gsm), 26: Hole Punched Paper (177-220 gsm), 32: Tab Stock Paper (177-220 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/ Write
991-127	Full Stack (Sheet Count) Thick Paper #2-1 SS_Size < 210 mm	During Stacker output with Paper Length < 210 mm for D125G, 4127/4112G: 3: Thick Paper #2 (217-253 gsm), 8: Tab Stock Paper-Thick #2 (217-253 gsm), 14: Thick Paper #2 B (217-253 gsm), 15: Thick Paper #2 S1 (217-253 gsm), 16: Label Paper #2 (217-253 gsm) 700DCP, Color J75/C75 Press: 8: Normal Paper (221-256 gsm), 27: Hole Punched Paper (221-256 gsm), 33: Tab Stock Paper (221-256 gsm), 39: Label Paper (221-256 gsm), 50: Reused Paper (221-256 gsm) C 1000/800 Press: 8: Normal Paper (221-256 gsm), 27: Hole Punched Paper (221-256 gsm), 33: Tab Stock Paper (221-256 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/ Write
991-128	Full Stack (Sheet Count) Thick Paper #2-2 SS_Size < 210 mm	During Stacker output with Paper Length < 210 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 9: Normal Paper (257-300 gsm), 28: Hole Punched Paper (257-300 gsm), 34: Tab Stock Paper (257-300 gsm), 40: Label Paper (257-300 gsm), 51: Reused Paper (257-300 gsm) C 1000/800 Press: 9: Normal Paper (257-350 gsm), 28: Hole Punched Paper (257-350 gsm), 34: Tab Stock Paper (257-350 gsm), 61: Postcard (177-350 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Read/Write
991-129	Full Stack (SheetCount) Normal Paper #1 210 mm <= SS_Size <= 297 mm	During Stacker output with 210 mm <= Paper Length <= 297 mm for D125G, 4127/4112G: 4: Lightweight Paper 700DCP, Color J75/C75 Press: 1: Normal Paper (64-80 gsm), 17: Recycled Paper (64-80 gsm), 20: Hole Punched Paper (64-80 gsm), 43: Reused Paper (64-80 gsm) C 1000/800 Press: 1: Normal Paper (55-80 gsm), 20: Hole Punched Paper (55-80 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/Write
991-130	Full Stack (SheetCount) Normal Paper #2 210 mm <= SS_Size <= 297 mm	During Stacker output with 210 mm <= Paper Length <= 297 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 2: Normal Paper (81-90 gsm), 18: Recycled Paper (81-90 gsm), 21: Hole Punched Paper (81-90 gsm), 44: Reused Paper (81-90 gsm) C 1000/800 Press: 2: Normal Paper (81-90 gsm), 21: Hole Punched Paper (81-90 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/Write
991-131	Full Stack (SheetCount) Normal Paper #3 210 mm <= SS_Size <= 297 mm	During Stacker output with 210 mm <= Paper Length <= 297 mm for D125G, 4127/4112G: 1: Normal Paper (64-105 gsm), 9: Reused Paper (Reload) (64-105 gsm), 10: Hole Punched Paper (64-105 gsm), 11: Normal Paper S1 (64-105 gsm), 12: Recycled Paper S1 (64-105 gsm), 21: Reused Normal Paper S1 (64-105 gsm) 700DCP, Color J75/C75 Press: 3: Normal Paper (91-105 gsm), 19: Recycled Paper (91-105 gsm), 22: Hole Punched Paper (91-105 gsm), 45: Reused Paper (91-105 gsm) C 1000/800 Press: 3: Normal Paper (91-105 gsm), 22: Hole Punched Paper (91-105 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-132	Full Stack (Sheet Count) Thick Paper #1-1 210 mm <= SS_Size <= 297 mm	During Stacker output with 210 mm <= Paper Length <= 297 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 4: Normal Paper (106-128 gsm), 23: Hole Punched Paper (106-128 gsm), 29: Tab Stock Paper (106-128 gsm), 35: Label Paper (106-128 gsm), 46: Reused Paper (106-128 gsm), 58: Postcard (106-128 gsm) C 1000/800 Press: 4: Normal Paper (106-128 gsm), 23: Hole Punched Paper (106-128 gsm), 29: Tab Stock Paper (55-128 gsm), 58: Postcard (55-128 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/ Write
991-133	Full Stack (Sheet Count) Thick Paper #1-2 210 mm <= SS_Size <= 297 mm	During Stacker output with 210 mm <= Paper Length <= 297 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 5: Normal Paper (129-150 gsm), 24: Hole Punched Paper (129-150 gsm), 30: Tab Stock Paper (129-150 gsm), 36: Label Paper (129-150 gsm), 47: Reused Paper (129-150 gsm), 59: Postcard (129-150 gsm) C 1000/800 Press: 5: Normal Paper (129-150 gsm), 24: Hole Punched Paper (129-150 gsm), 30: Tab Stock Paper (129-150 gsm), 59: Postcard (129-150 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/ Write
991-134	Full Stack (Sheet Count) Thick Paper #1-3 210 mm <= SS_Size <= 297 mm	During Stacker output with 210 mm <= Paper Length <= 297 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 6: Normal Paper (151-176 gsm), 25: Hole Punched Paper (151-176 gsm), 31: Tab Stock Paper (151-176 gsm), 37: Label Paper (151-176 gsm), 48: Reused Paper (151-176 gsm), 60: Postcard (151-176 gsm) C 1000/800 Press: 6: Normal Paper (151-176 gsm), 25: Hole Punched Paper (151-176 gsm), 31: Tab Stock Paper (151-176 gsm), 60: Postcard (151-176 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-135	Full Stack (Sheet Count) Thick Paper #1-4 210 mm <= SS_Size <= 297 mm	During Stacker output with 210 mm <= Paper Length <= 297 mm for D125G, 4127/4112G: 2: Thick Paper #1 (106-216 gsm), 6: Label Paper (106-216 gsm), 7: Tab Stock Paper-Thick #1 (106-216 gsm), 13: Thick Paper #1 S1 (106-216 gsm) 700DCP, Color J75/C75 Press: 7: Normal Paper (177-220 gsm), 26: Hole Punched Paper (177-220 gsm), 32: Tab Stock Paper (177-220 gsm), 38: Label Paper (177-220 gsm), 49: Reused Paper (177-220 gsm), 61: Postcard (177-220 gsm) C 1000/800 Press: 7: Normal Paper (177-220 gsm), 26: Hole Punched Paper (177-220 gsm), 32: Tab Stock Paper (177-220 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/ Write
991-136	Full Stack (Sheet Count) Thick Paper #2-1 210 mm <= SS_Size <= 297 mm	During Stacker output with 210 mm <= Paper Length <= 297 mm for D125G, 4127/4112G: 3: Thick Paper #2 (217-253 gsm), 8: Tab Stock Paper-Thick #2 (217-253 gsm), 14: Thick Paper #2 B (217-253 gsm), 15: Thick Paper #2 S1 (217-253 gsm), 16: Label Paper #2 (217-253 gsm) 700DCP, Color J75/C75 Press: 8: Normal Paper (221-256 gsm), 27: Hole Punched Paper (221-256 gsm), 33: Tab Stock Paper (221-256 gsm), 39: Label Paper (221-256 gsm), 50: Reused Paper (221-256 gsm) C 1000/800 Press: 8: Normal Paper (221-256 gsm), 27: Hole Punched Paper (221-256 gsm), 33: Tab Stock Paper (221-256 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/ Write
991-137	Full Stack (Sheet Count) Thick Paper #2-2 210 mm <= SS_Size <= 297 mm	During Stacker output with 210 mm <= Paper Length <= 297 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 9: Normal Paper (257-300 gsm), 28: Hole Punched Paper (257-300 gsm), 34: Tab Stock Paper (257-300 gsm), 40: Label Paper (257-300 gsm), 51: Reused Paper (257-300 gsm) C 1000/800 Press: 9: Normal Paper (257-350 gsm), 28: Hole Punched Paper (257-350 gsm), 34: Tab Stock Paper (257-350 gsm), 61: Postcard (177-350 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-140	Full Stack (Height Limit) Normal Paper SS_Size < 210 mm	During Stacker output of Plain, Recycled, Reload, and Hole Punched Paper with paper length < 210 mm, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-141	Full Stack (Height Limit) Thick Paper #1 SS_Size < 210 mm	During Stacker output of Heavyweight, Heavyweight (Reload), Tab Stock, and Hole Punched Heavyweight Paper with paper length < 210 mm, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-142	Full Stack (Height Limit) Thick Paper #2 SS_Size < 210 mm	During Stacker output of Extra Heavyweight, Extra Heavyweight (Reload), HW Tab Stock, and Hole Punched Extra Heavyweight Paper with paper length < 210 mm, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-143	Full Stack (Height Limit) Coated Paper #1 SS_Size < 210 mm	During Stacker output of Gloss and Gloss (Reload) Paper with paper length < 210 mm, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-144	Full Stack (Height Limit) Coated Paper #2 SS_Size < 210 mm	During Stacker output of HW Gloss and HW Gloss (Reload) Paper with paper length < 210 mm, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-145	Full Stack (Height Limit) Label Paper SS_Size < 210 mm	During Stacker output of Labels 1 and Labels 2 with paper length < 210 mm, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-146	Full Stack (Height Limit) Normal Paper 210 mm <= SS_Size <= 297 mm	During Stacker output of Plain, Recycled, Reload, and Hole Punched Paper with 210 mm <= paper length<= 297 mm, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-147	Full Stack (Height Limit) Thick Paper #1 210 mm <= SS_Size <= 297 mm	During Stacker output of Heavyweight, Heavyweight (Reload), Tab Stock, and Hole Punched Heavyweight Paper with 210 mm <= paper length<= 297 mm, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-148	Full Stack (Height Limit) Thick Paper #2 210 mm <= SS_Size <= 297 mm	During Stacker output of Extra Heavyweight, Extra Heavyweight (Reload), HW Tab Stock, and Hole Punched Extra Heavyweight Paper with 210 mm <= paper length<= 297 mm, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-149	Full Stack (Height Limit) Coated Paper #1 210 mm <= SS_Size <= 297 mm	During Stacker output of Gloss and Gloss (Reload) Paper with 210 mm <= paper length<= 297 mm, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-150	Full Stack (Height Limit) Coated Paper #2 210 mm <= SS_Size <= 297 mm	During Stacker output of HW Gloss and HW Gloss (Reload) Paper with 210 mm <= paper length<= 297 mm, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-151	Full Stack (Height Limit) Label Paper 210 mm <= SS_Size <= 297 mm	During Stacker output of Labels 1 and Labels 2 with 210 mm <= paper length<= 297 mm, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-152	Full Stack (Height Limit) Normal Paper 297 mm < SS_Size	During Stacker output of Plain, Recycled, Reload, and Hole Punched Paper with 297 mm < paper length, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-153	Full Stack (Height Limit) Thick Paper #1 297 mm < SS_Size	During Stacker output of Heavyweight, Heavyweight (Reload), Tab Stock, and Hole Punched Heavyweight Paper with 297 mm < paper length, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-154	Full Stack (Height Limit) Thick Paper #2 297 mm < SS_Size	During Stacker output of Extra Heavyweight, Extra Heavyweight (Reload), HW Tab Stock, and Hole Punched Extra Heavyweight Paper with 297 mm < paper length, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-155	Full Stack (Height Limit) Coated Paper #1 297 mm < SS_Size	During Stacker output of Gloss and Gloss (Reload) Paper with 297 mm < paper length, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-156	Full Stack (Height Limit) Coated Paper #2 297 mm < SS_Size	During Stacker output of HW Gloss and HW Gloss (Reload) Paper with 297 mm < paper length, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write
991-157	Full Stack (Height Limit) Label Paper 297 mm < SS_Size	During Stacker output of Labels 1 and Labels 2 with 297 mm < paper length, Full detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform stack height control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 67, Full will be detected at 67x6.9 = 462.3 mm stack height	0	0	85	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-160	Half Stack Normal Paper SS_Size < 210 mm	During Stacker output of Plain, Recycled, Reload, and Hole Punched Paper with paper length < 210 mm, Half detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform Half control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 39, Half will be detected at 39x6.9 = 269.1 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/ Write
991-161	Half Stack Thick Paper #1 SS_Size < 210 mm	During Stacker output of Heavyweight, Heavyweight (Reload), Tab Stock, and Hole Punched Heavyweight Paper with paper length < 210 mm, Half detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform Half control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 39, Half will be detected at 39x6.9 = 269.1 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/ Write
991-162	Half Stack Thick Paper #2 SS_Size < 210 mm	During Stacker output of Extra Heavyweight, Extra Heavyweight (Reload), HW Tab Stock, and Hole Punched Extra Heavyweight Paper with paper length < 210 mm, Half detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform Half control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 39, Half will be detected at 39x6.9 = 269.1 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/ Write
991-163	Half Stack Coated Paper #1 SS_Size < 210 mm	During Stacker output of Gloss and Gloss (Reload) Paper with paper length < 210 mm, Half detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform Half control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 39, Half will be detected at 39x6.9 = 269.1 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/ Write
991-164	Half Stack Coated Paper #2 SS_Size < 210 mm	During Stacker output of HW Gloss and HW Gloss (Reload) Paper with paper length < 210 mm, Half detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform Half control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 39, Half will be detected at 39x6.9 = 269.1 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/ Write
991-165	Half Stack Label Paper SS_Size < 210 mm	During Stacker output of Labels 1 and Labels 2 with paper length < 210 mm, Half detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform Half control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 39, Half will be detected at 39x6.9 = 269.1 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali-ization Possible	Read/Write
991-166	Half Stack Normal Paper 297 mm < SS_Size	During Stacker output of Plain, Recycled, Reload, and Hole Punched Paper with 297 mm < paper length, Half detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform Half control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 39, Half will be detected at 39x6.9 = 269.1 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/Write
991-167	Half Stack Thick Paper #1 297 mm < SS_Size	During Stacker output of Heavyweight, Heavyweight (Reload), Tab Stock, and Hole Punched Heavyweight Paper with 297 mm < paper length, Half detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform Half control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 39, Half will be detected at 39x6.9 = 269.1 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/Write
991-168	Half Stack Thick Paper #2 297 mm < SS_Size	During Stacker output of Extra Heavyweight, Extra Heavyweight (Reload), HW Tab Stock, and Hole Punched Extra Heavyweight Paper with 297 mm < paper length, Half detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform Half control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 39, Half will be detected at 39x6.9 = 269.1 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/Write
991-169	Half Stack Coated Paper #1 297 mm < SS_Size	During Stacker output of Gloss and Gloss (Reload) Paper with 297 mm < paper length, Half detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform Half control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 39, Half will be detected at 39x6.9 = 269.1 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/Write
991-170	Half Stack Coated Paper #2 297 mm < SS_Size	During Stacker output of HW Gloss and HW Gloss (Reload) Paper with 297 mm < paper length, Half detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform Half control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 39, Half will be detected at 39x6.9 = 269.1 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/Write
991-171	Half Stack Label Paper 297 mm < SS_Size	During Stacker output of Labels 1 and Labels 2 with 297 mm < paper length, Half detection control is performed based on the following Stacker Tray height. NVM value 0: Do not perform Half control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 39, Half will be detected at 39x6.9 = 269.1 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-174	Mixed Stack Full Select	During Stacker output, perform Mixed Full detection control based on the Stacker Tray height. NVM value 0: Do not perform Mixed Full control For 1 and above, full perform Full detection control using 1 = 6.9 mm stack height. E.g.) For 13, Mixed Full will be detected at 13x6.9 = 89.7 mm stack height	D125G, 4127/4112G: 0 700DCP, Color J75/C75 Press: 0 C 1000/800 Press: 0	0	85	OK	Read/ Write
991-175	Stacker Tray Paper Select	Sets the paper detection timing at the Stacker Tray. 0: Normal 1: Detect at the top	0	0	1	OK	Read/ Write
991-176	Tamper Wait Time	After the Tamper Home operation, the Paper Size setting operation will be performed after the time in this settings value has passed. Time = settings value x 10 ms (E.g. if this is set to '10', wait for 100 ms.)	10	0	65535	OK	Read/ Write
991-177	Full Stack (Sheet Count) Coated Paper #1-1 Simplex / SS_Size < 210 mm	During Stacker Simplex output with Paper Length < 210 mm for D125G, 4127/4112G: 17: Coated Paper #1 (64-105 gsm) 700DCP, Color J75/C75 Press: No applicable media C 1000/800 Press: No applicable media Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/ Write
991-178	Full Stack (Sheet Count) Coated Paper #1-2 Simplex / SS_Size < 210 mm	During Stacker Simplex output with Paper Length < 210 mm for D125G, 4127/4112G: 18: Coated Paper #1 A (106-135 gsm) 700DCP, Color J75/C75 Press: 11: Coated Paper (106-128 gsm), 52: Reused Coated Paper (106-128 gsm) C 1000/800 Press: 11: Coated Paper (55-128 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/ Write
991-179	Full Stack (Sheet Count) Coated Paper #1-3 Simplex / SS_Size < 210 mm	During Stacker Simplex output with Paper Length < 210 mm for D125G, 4127/4112G: 19: Coated Paper #1 B (136-216 gsm) 700DCP, Color J75/C75 Press: 12: Coated Paper (129-150 gsm), 53: Reused Coated Paper (129-150 gsm) C 1000/800 Press: 12: Coated Paper (129-150 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-180	Full Stack (Sheet Count) Coated Paper #1-4 Simplex / SS_Size < 210 mm	During Stacker Simplex output with Paper Length < 210 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 13: Coated Paper (151-176 gsm), 54: Reused Coated Paper (151-176 gsm) C 1000/800 Press: 13: Coated Paper (151-176 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/ Write
991-181	Full Stack (Sheet Count) Coated Paper #1-1 Duplex / SS_Size < 210 mm	During Stacker Duplex output with Paper Length < 210 mm for D125G, 4127/4112G: 17: Coated Paper #1 (64-105 gsm) 700DCP, Color J75/C75 Press: No applicable media C 1000/800 Press: No applicable media Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/ Write
991-182	Full Stack (Sheet Count) Coated Paper #1-2 Duplex / SS_Size < 210 mm	During Stacker Duplex output with Paper Length < 210 mm for D125G, 4127/4112G: 18: Coated Paper #1 A (106-135 gsm) 700DCP, Color J75/C75 Press: 11: Coated Paper (106-128 gsm), 52: Reused Coated Paper (106-128 gsm) C 1000/800 Press: 11: Coated Paper (55-128 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/ Write
991-183	Full Stack (Sheet Count) Coated Paper #1-3 Duplex / SS_Size < 210 mm	During Stacker Duplex output with Paper Length < 210 mm for D125G, 4127/4112G: 19: Coated Paper #1 B (136-216 gsm) 700DCP, Color J75/C75 Press: 12: Coated Paper (129-150 gsm), 53: Reused Coated Paper (129-150 gsm) C 1000/800 Press: 12: Coated Paper (129-150 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Read/Write
991-184	Full Stack (Sheet Count) Coated Paper #1-4 Duplex / SS_Size < 210 mm	During Stacker Duplex output with Paper Length < 210 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 13: Coated Paper (151-176 gsm), 54: Reused Coated Paper (151-176 gsm) C 1000/800 Press: 13: Coated Paper (151-176 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write
991-185	Full Stack (Sheet Count) Coated Paper #2-1 Simplex / SS_Size < 210 mm	During Stacker Simplex output with Paper Length < 210 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 14: Coated Paper (177-220 gsm), 55: Reused Coated Paper (177-220 gsm) C 1000/800 Press: 14: Coated Paper (177-220 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write
991-186	Full Stack (Sheet Count) Coated Paper #2-2 Simplex / SS_Size < 210 mm	During Stacker Simplex output with Paper Length < 210 mm for D125G, 4127/4112G: 20: Coated Paper #2 (217-253 gsm) 700DCP, Color J75/C75 Press: 15: Coated Paper (221-256 gsm), 56: Reused Coated Paper (221-256 gsm) C 1000/800 Press: 15: Coated Paper (221-256 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write
991-187	Full Stack (Sheet Count) Coated Paper #2-3 Simplex / SS_Size < 210 mm	During Stacker Simplex output with Paper Length < 210 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 16: Coated Paper (257-300 gsm), 57: Reused Coated Paper (257-300 gsm) C 1000/800 Press: 16: Coated Paper (257-350 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-188	Full Stack (Sheet Count) Coated Paper #2-1 Duplex / SS_Size < 210 mm	During Stacker Duplex output with Paper Length < 210 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 14: Coated Paper (177-220 gsm), 55: Reused Coated Paper (177-220 gsm) C 1000/800 Press: 14: Coated Paper (177-220 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/ Write
991-189	Full Stack (Sheet Count) Coated Paper #2-2 Duplex / SS_Size < 210 mm	During Stacker Duplex output with Paper Length < 210 mm for D125G, 4127/4112G: 20: Coated Paper #2 (217-253 gsm) 700DCP, Color J75/C75 Press: 15: Coated Paper (221-256 gsm), 56: Reused Coated Paper (221-256 gsm) C 1000/800 Press: 15: Coated Paper (221-256 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/ Write
991-190	Full Stack (Sheet Count) Coated Paper #2-3 Duplex / SS_Size < 210 mm	During Stacker Duplex output with Paper Length < 210 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 16: Coated Paper (257-300 gsm), 57: Reused Coated Paper (257-300 gsm) C 1000/800 Press: 16: Coated Paper (257-350 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/ Write
991-191	Full Stack (Sheet Count) Coated Paper #1-1 Simplex / 210 mm <= SS_Size <= 297 mm	During Stacker Simplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: 17: Coated Paper #1 (64-105 gsm) 700DCP, Color J75/C75 Press: No applicable media C 1000/800 Press: No applicable media Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Read/Write
991-192	Full Stack (Sheet Count) Coated Paper #1-2 Simplex / 210 mm <= SS_Size <= 297 mm	During Stacker Simplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: 18: Coated Paper #1 A (106-135 gsm) 700DCP, Color J75/C75 Press: 11: Coated Paper (106-128 gsm), 52: Reused Coated Paper (106-128 gsm) C 1000/800 Press: 11: Coated Paper (55-128 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write
991-193	Full Stack (Sheet Count) Coated Paper #1-3 Simplex / 210 mm <= SS_Size <= 297 mm	During Stacker Simplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: 19: Coated Paper #1 B (136-216 gsm) 700DCP, Color J75/C75 Press: 12: Coated Paper (129-150 gsm), 53: Reused Coated Paper (129-150 gsm) C 1000/800 Press: 12: Coated Paper (129-150 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write
991-194	Full Stack (Sheet Count) Coated Paper #1-4 Simplex / 210 mm <= SS_Size <= 297 mm	During Stacker Simplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 13: Coated Paper (151-176 gsm), 54: Reused Coated Paper (151-176 gsm) C 1000/800 Press: 13: Coated Paper (151-176 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write
991-195	Full Stack (Sheet Count) Coated Paper #1-1 Duplex / 210 mm <= SS_Size <= 297 mm	During Stacker Duplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: 17: Coated Paper #1 (64-105 gsm) 700DCP, Color J75/C75 Press: No applicable media C 1000/800 Press: No applicable media Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Read/Write
991-196	Full Stack (Sheet Count) Coated Paper #1-2 Duplex / 210 mm <= SS_Size <= 297 mm	During Stacker Duplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: 18: Coated Paper #1 A (106-135 gsm) 700DCP, Color J75/C75 Press: 11: Coated Paper (106-128 gsm), 52: Reused Coated Paper (106-128 gsm) C 1000/800 Press: 11: Coated Paper (55-128 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write
991-197	Full Stack (Sheet Count) Coated Paper #1-3 Duplex / 210 mm <= SS_Size <= 297 mm	During Stacker Duplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: 19: Coated Paper #1 B (136-216 gsm) 700DCP, Color J75/C75 Press: 12: Coated Paper (129-150 gsm), 53: Reused Coated Paper (129-150 gsm) C 1000/800 Press: 12: Coated Paper (129-150 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write
991-198	Full Stack (Sheet Count) Coated Paper #1-4 Duplex / 210 mm <= SS_Size <= 297 mm	During Stacker Duplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 13: Coated Paper (151-176 gsm), 54: Reused Coated Paper (151-176 gsm) C 1000/800 Press: 13: Coated Paper (151-176 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write
991-199	Full Stack (Sheet Count) Coated Paper #2-1 Simplex / 210 mm <= SS_Size <= 297 mm	During Stacker Simplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 14: Coated Paper (177-220 gsm), 55: Reused Coated Paper (177-220 gsm) C 1000/800 Press: 14: Coated Paper (177-220 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Read/Write
991-200	Full Stack (Sheet Count) Coated Paper #2-2 Simplex / 210 mm <= SS_Size <= 297 mm	During Stacker Simplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: 20: Coated Paper #2 (217-253 gsm) 700DCP, Color J75/C75 Press: 15: Coated Paper (221-256 gsm), 56: Reused Coated Paper (221-256 gsm) C 1000/800 Press: 15: Coated Paper (221-256 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write
991-201	Full Stack (Sheet Count) Coated Paper #2-3 Simplex / 210 mm <= SS_Size <= 297 mm	During Stacker Simplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 16: Coated Paper (257-300 gsm), 57: Reused Coated Paper (257-300 gsm) C 1000/800 Press: 16: Coated Paper (257-350 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write
991-202	Full Stack (Sheet Count) Coated Paper #2-1 Duplex / 210 mm <= SS_Size <= 297 mm	During Stacker Duplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 14: Coated Paper (177-220 gsm), 55: Reused Coated Paper (177-220 gsm) C 1000/800 Press: 14: Coated Paper (177-220 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write
991-203	Full Stack (Sheet Count) Coated Paper #2-2 Duplex / 210 mm <= SS_Size <= 297 mm	During Stacker Duplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: 20: Coated Paper #2 (217-253 gsm) 700DCP, Color J75/C75 Press: 15: Coated Paper (221-256 gsm), 56: Reused Coated Paper (221-256 gsm) C 1000/800 Press: 15: Coated Paper (221-256 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-204	Full Stack (Sheet Count) Coated Paper #2-3 Duplex / 210 mm <= SS_Size <= 297 mm	During Stacker Duplex output with 210 mm <= SS_Size <= 297 mm for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 16: Coated Paper (257-300 gsm), 57: Reused Coated Paper (257-300 gsm) C 1000/800 Press: 16: Coated Paper (257-350 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 50 C 1000/800 Press: 50	0	50	OK	Read/ Write
991-205	Full Stack (Sheet Count) Coated Paper #1-1 Simplex / 297 mm < SS_Size	During Stacker Simplex output with 297 mm < SS_Size for D125G, 4127/4112G: 17: Coated Paper #1 (64-105 gsm) 700DCP, Color J75/C75 Press: No applicable media C 1000/800 Press: No applicable media Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 40 C 1000/800 Press: 40	0	50	OK	Read/ Write
991-206	Full Stack (Sheet Count) Coated Paper #1-2 Simplex / 297 mm < SS_Size	During Stacker Simplex output with 297 mm < SS_Size for D125G, 4127/4112G: 18: Coated Paper #1 A (106-135 gsm) 700DCP, Color J75/C75 Press: 11: Coated Paper (106-128 gsm), 52: Reused Coated Paper (106-128 gsm) C 1000/800 Press: 11: Coated Paper (55-128 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 34 C 1000/800 Press: 34	0	50	OK	Read/ Write
991-207	Full Stack (Sheet Count) Coated Paper #1-3 Simplex / 297 mm < SS_Size	During Stacker Simplex output with 297 mm < SS_Size for D125G, 4127/4112G: 19: Coated Paper #1 B (136-216 gsm) 700DCP, Color J75/C75 Press: 12: Coated Paper (129-150 gsm), 53: Reused Coated Paper (129-150 gsm) C 1000/800 Press: 12: Coated Paper (129-150 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 29 C 1000/800 Press: 29	0	50	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-208	Full Stack (Sheet Count) Coated Paper #1-4 Simplex / 297 mm < SS_Size	During Stacker Simplex output with 297 mm < SS_Size for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 13: Coated Paper (151-176 gsm), 54: Reused Coated Paper (151-176 gsm) C 1000/800 Press: 13: Coated Paper (151-176 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 24 C 1000/800 Press: 24	0	50	OK	Read/ Write
991-209	Full Stack (Sheet Count) Coated Paper #1-1 Duplex / 297 mm < SS_Size	During Stacker Duplex output with 297 mm < SS_Size for D125G, 4127/4112G: 17: Coated Paper #1 (64-105 gsm) 700DCP, Color J75/C75 Press: No applicable media C 1000/800 Press: No applicable media Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 40 C 1000/800 Press: 40	0	50	OK	Read/ Write
991-210	Full Stack (Sheet Count) Coated Paper #1-2 Duplex / 297 mm < SS_Size	During Stacker Duplex output with 297 mm < SS_Size for D125G, 4127/4112G: 18: Coated Paper #1 A (106-135 gsm) 700DCP, Color J75/C75 Press: 11: Coated Paper (106-128 gsm), 52: Reused Coated Paper (106-128 gsm) C 1000/800 Press: 11: Coated Paper (55-128 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 34 C 1000/800 Press: 34	0	50	OK	Read/ Write
991-211	Full Stack (Sheet Count) Coated Paper #1-3 Duplex / 297 mm < SS_Size	During Stacker Duplex output with 297 mm < SS_Size for D125G, 4127/4112G: 19: Coated Paper #1 B (136-216 gsm) 700DCP, Color J75/C75 Press: 12: Coated Paper (129-150 gsm), 53: Reused Coated Paper (129-150 gsm) C 1000/800 Press: 12: Coated Paper (129-150 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 29 C 1000/800 Press: 29	0	50	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali-ization Possible	Read/Write
991-212	Full Stack (Sheet Count) Coated Paper #1-4 Duplex / 297 mm < SS_Size	During Stacker Duplex output with 297 mm < SS_Size for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 13: Coated Paper (151-176 gsm), 54: Reused Coated Paper (151-176 gsm) C 1000/800 Press: 13: Coated Paper (151-176 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 20 700DCP, Color J75/C75 Press: 24 C 1000/800 Press: 24	0	50	OK	Read/Write
991-213	Full Stack (Sheet Count) Coated Paper #2-1 Simplex / 297 mm < SS_Size	During Stacker Simplex output with 297 mm < SS_Size for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 14: Coated Paper (177-220 gsm), 55: Reused Coated Paper (177-220 gsm) C 1000/800 Press: 14: Coated Paper (177-220 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	20	0	50	OK	Read/Write
991-214	Full Stack (Sheet Count) Coated Paper #2-2 Simplex / 297 mm < SS_Size	During Stacker Simplex output with 297 mm < SS_Size for D125G, 4127/4112G: 20: Coated Paper #2 (217-253 gsm) 700DCP, Color J75/C75 Press: 15: Coated Paper (221-256 gsm), 56: Reused Coated Paper (221-256 gsm) C 1000/800 Press: 15: Coated Paper (221-256 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	15	0	50	OK	Read/Write
991-215	Full Stack (Sheet Count) Coated Paper #2-3 Simplex / 297 mm < SS_Size	During Stacker Simplex output with 297 mm < SS_Size for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 16: Coated Paper (257-300 gsm), 57: Reused Coated Paper (257-300 gsm) C 1000/800 Press: 16: Coated Paper (257-350 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	14	0	50	OK	Read/Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initialization Possible	Read/Write
991-216	Full Stack (Sheet Count) Coated Paper #2-1 Duplex / 297 mm < SS_Size	During Stacker Duplex output with 297 mm < SS_Size for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 14: Coated Paper (177-220 gsm), 55: Reused Coated Paper (177-220 gsm) C 1000/800 Press: 14: Coated Paper (177-220 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	20	0	50	OK	Read/Write
991-217	Full Stack (Sheet Count) Coated Paper #2-2 Duplex / 297 mm < SS_Size	During Stacker Duplex output with 297 mm < SS_Size for D125G, 4127/4112G: 20: Coated Paper #2 (217-253 gsm) 700DCP, Color J75/C75 Press: 15: Coated Paper (221-256 gsm), 56: Reused Coated Paper (221-256 gsm) C 1000/800 Press: 15: Coated Paper (221-256 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	15	0	50	OK	Read/Write
991-218	Full Stack (Sheet Count) Coated Paper #2-3 Duplex / 297 mm < SS_Size	During Stacker Duplex output with 297 mm < SS_Size for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 16: Coated Paper (257-300 gsm), 57: Reused Coated Paper (257-300 gsm) C 1000/800 Press: 16: Coated Paper (257-350 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	14	0	50	OK	Read/Write
991-230	Full Stack (SheetCount) Normal Paper #1 297 mm < SS_Size	During Stacker output with 297 mm < Paper Length for D125G, 4127/4112G: 4: Lightweight Paper 700DCP, Color J75/C75 Press: 1: Normal Paper (64-80 gsm), 17: Recycled Paper (64-80 gsm), 20: Hole Punched Paper (64-80 gsm), 43: Reused Paper (64-80 gsm) C 1000/800 Press: 1: Normal Paper (55-80 gsm), 20: Hole Punched Paper (55-80 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	50	0	50	OK	Read/Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-231	Full Stack (SheetCount) Normal Paper #2 297 mm < SS_Size	During Stacker output with 297 mm < Paper Length for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 2: Normal Paper (81-90 gsm), 18: Recycled Paper (81-90 gsm), 21: Hole Punched Paper (81-90 gsm), 44: Reused Paper (81-90 gsm) C 1000/800 Press: 2: Normal Paper (81-90 gsm), 21: Hole Punched Paper (81-90 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	47	0	50	OK	Read/ Write
991-232	Full Stack (SheetCount) Normal Paper #3 297 mm < SS_Size	During Stacker output with 297 mm < Paper Length for D125G, 4127/4112G: 1: Normal Paper (64-105 gsm), 9: Reused Paper (Reload) (64-105 gsm), 10: Hole Punched Paper (64-105 gsm), 11: Normal Paper S1 (64-105 gsm), 12: Recycled Paper S1 (64-105 gsm), 21: Reused Normal Paper S1 (64-105 gsm) 700DCP, Color J75/C75 Press: 3: Normal Paper (91-105 gsm), 19: Recycled Paper (91-105 gsm), 22: Hole Punched Paper (91-105 gsm), 45: Reused Paper (91-105 gsm) C 1000/800 Press: 3: Normal Paper (91-105 gsm), 22: Hole Punched Paper (91-105 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	D125G, 4127/4112G: 50 700DCP, Color J75/C75 Press: 40 C 1000/800 Press: 40	0	50	OK	Read/ Write
991-233	Full Stack (Sheet Count) Thick Paper #1-1 297 mm < SS_Size	During Stacker output with 297 mm < Paper Length for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 4: Normal Paper (106-128 gsm), 23: Hole Punched Paper (106-128 gsm), 29: Tab Stock Paper (106-128 gsm), 35: Label Paper (106-128 gsm), 46: Reused Paper (106-128 gsm), 58: Postcard (106-128 gsm) C 1000/800 Press: 4: Normal Paper (106-128 gsm), 23: Hole Punched Paper (106-128 gsm), 29: Tab Stock Paper (55-128 gsm), 58: Postcard (55-128 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	34	0	50	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-234	Full Stack (Sheet Count) Thick Paper #1-2 297 mm < SS_Size	During Stacker output with 297 mm < Paper Length for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 5: Normal Paper (129-150 gsm), 24: Hole Punched Paper (129-150 gsm), 30: Tab Stock Paper (129-150 gsm), 36: Label Paper (129-150 gsm), 47: Reused Paper (129-150 gsm), 59: Postcard (129-150 gsm) C 1000/800 Press: 5: Normal Paper (129-150 gsm), 24: Hole Punched Paper (129-150 gsm), 30: Tab Stock Paper (129-150 gsm), 59: Postcard (129-150 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	29	0	50	OK	Read/ Write
991-235	Full Stack (Sheet Count) Thick Paper #1-3 297 mm < SS_Size	During Stacker output with 297 mm < Paper Length for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 6: Normal Paper (151-176 gsm), 25: Hole Punched Paper (151-176 gsm), 31: Tab Stock Paper (151-176 gsm), 37: Label Paper (151-176 gsm), 48: Reused Paper (151-176 gsm), 60: Postcard (151-176 gsm) C 1000/800 Press: 6: Normal Paper (151-176 gsm), 25: Hole Punched Paper (151-176 gsm), 31: Tab Stock Paper (151-176 gsm), 60: Postcard (151-176 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	24	0	50	OK	Read/ Write
991-236	Full Stack (Sheet Count) Thick Paper #1-4 297 mm < SS_Size	During Stacker output with 297 mm < Paper Length for D125G, 4127/4112G: 2: Thick Paper #1 (106-216 gsm), 6: Label Paper (106-216 gsm), 7: Tab Stock Paper-Thick #1 (106-216 gsm), 13: Thick Paper #1 S1 (106-216 gsm) 700DCP, Color J75/C75 Press: 7: Normal Paper (177-220 gsm), 26: Hole Punched Paper (177-220 gsm), 32: Tab Stock Paper (177-220 gsm), 38: Label Paper (177-220 gsm), 49: Reused Paper (177-220 gsm), 61: Postcard (177-220 gsm) C 1000/800 Press: 7: Normal Paper (177-220 gsm), 26: Hole Punched Paper (177-220 gsm), 32: Tab Stock Paper (177-220 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	20	0	50	OK	Read/ Write

Table 1 NVM 991 HCS 1 List

Chain-Link	NVM Name	Description	Default Value	Setting Range (Minimum Value)	Setting Range (Maximum Value)	Initiali- zation Possible	Read/ Write
991-237	Full Stack (Sheet Count) Thick Paper #2-1 297 mm < SS_Size	During Stacker output with 297 mm < Paper Length for D125G, 4127/4112G: 3: Thick Paper #2 (217-253 gsm), 8: Tab Stock Paper-Thick #2 (217-253 gsm), 14: Thick Paper #2 B (217-253 gsm), 15: Thick Paper #2 S1 (217-253 gsm), 16: Label Paper #2 (217-253 gsm) 700DCP, Color J75/C75 Press: 8: Normal Paper (221-256 gsm), 27: Hole Punched Paper (221-256 gsm), 33: Tab Stock Paper (221-256 gsm), 39: Label Paper (221-256 gsm), 50: Reused Paper (221-256 gsm) C 1000/800 Press: 8: Normal Paper (221-256 gsm), 27: Hole Punched Paper (221-256 gsm), 33: Tab Stock Paper (221-256 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	15	0	50	OK	Read/ Write
991-238	Full Stack (Sheet Count) Thick Paper #2-2 297 mm < SS_Size	During Stacker output with 297 mm < Paper Length for D125G, 4127/4112G: No applicable media 700DCP, Color J75/C75 Press: 9: Normal Paper (257-300 gsm), 28: Hole Punched Paper (257-300 gsm), 34: Tab Stock Paper (257-300 gsm), 40: Label Paper (257-300 gsm), 51: Reused Paper (257-300 gsm) C 1000/800 Press: 9: Normal Paper (257-350 gsm), 28: Hole Punched Paper (257-350 gsm), 34: Tab Stock Paper (257-350 gsm), 61: Postcard (177-350 gsm) Full detection control is performed based on the following output sheet count. NVM value 0: Do not perform count control For 1 and above, perform Full detection control using 1 = 100 sheets stack. E.g.) For 35, Full will be detected at 35x100 = 3500 sheets stack	14	0	50	OK	Read/ Write

6.4.1.1 UI Diag Screen Structure

The [Maintenance / Diagnostics] screen exists in the UI Diag.

[UI Screen]

The UI [Maintenance / Diagnostics] Screen structure is as follows.

Enter the CE Mode and select [Maintenance / Diagnostics]. The following buttons from 1 to 17 are displayed. However, [8. IO Check] to [14. MAX Setup] are displayed on the second page and [15. Back Up Files / Restore Files] to [17. Delete All Certificates / Initialize Settings] are displayed on the third page.

1. EP Service
 - Delete EP Certificate
 - EP Registration / Cancel Registration
2. Software Options
3. NVM Read / Write
4. Initialize Hard Disk
 - Partition A
5. Print Test Pattern
 - Pattern Number
 - Quantity
 - Paper Supply
 - Output Color
 - Cin %
6. Delete All Data
7. Initialize NVM
 - IOT
 - Finisher
 - IFM
 - HCS
 - IISS (IIT/IPS)
 - IISS - Extension
 - Input Device
 - Sys-SYSTEM
 - Sys-USER
8. IO Check
 - Component Control
 - Analog Monitor
9. Sub System
 - ADF Independent Operation
 - Hard Disk Failure Prediction Test
 - Belt Edge Learn
10. Adjustment / Others
 - Machine ID / Billing Data
 - HFSI Counter
 - Finisher - Adjust Fold Position
11. Registration
 - Tray 5 Guide Adjustment
 - Registration Measuring Cycle
 - Registration Control Sensor Check Cycle
 - Registration Control Setup Cycle
 - Measure Paper Path Timing
 - System Registration Adjustment
 - Register Paper Feeding Positions
12. Faults
 - Jam Counter
 - Failure Counter
 - Shutdown History
13. Restore NVM Values
14. MAX Setup
 - Procon On / Off Print
 - Adjust Toner Density
 - Color Balance Adjustment
 - IIT Calibration
 - ATC Sensor Setup
 - In/Out Manual Setup
 - TRC Adjustment
 - IOT CIS Setup Cycle
 - IOT CIS Check Cycle
15. Back Up Files / Restore Files
 - Back Up Files
 - Restore Backed Up Files
 - Delete Backed Up Files
16. Power on Self Test
 - Off
 - On
17. Delete All Certificates / Initialize Settings

6.4.1.2 How to Enter the CE Mode

This explains how to operate the UI screen.

1. How to Enter the CE Mode
 - (1) Press and hold the <0> key on the Control Panel for 5 seconds or longer and then press <Start> while keeping your finger on the <0> key.
The [CE - Type Passcode] screen will appear.
 - (2) Enter the Passcode [6.7.8.9] and select [Confirm].
The message display section will be reversed to let the user know that the mode has changed to the CE Mode.
2. How to Enter the Diag screen
 - (1) Select [Tools]. The [Tools] screen is displayed.

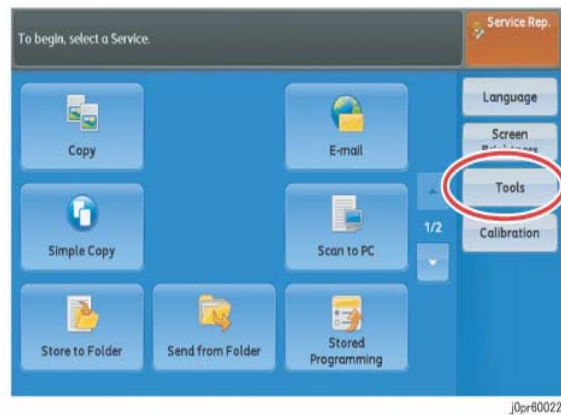


Figure 1 j0pr60022



Figure 2 j0pr60023

- (2) On the [Tools] screen, select the [System Settings] tab -> [Common Service Settings] -> [Maintenance / Diagnostics].
 - The various diagnostic items are displayed in the [Maintenance / Diagnostics] screen.

6.4.1.3 How to Exit from the CE Mode

There are 2 ways to exit.

- Turn the power OFF and ON.
- While remaining on the [Tools] screen, press and hold the <0> key, and then press <Start> while keeping your finger on the <0> key.

NOTE: If [Yes] was selected for [Exit (Keep Log)] or [Exit (Clear Log)] at the [Maintenance / Diagnostics] screen, the machine will reboot and exit from the CE Mode.

6.4.1.4 Printing Various Reports

1. Enter the CE Mode.
2. Press <Machine Status> on the Control Panel.
3. Select the [Machine Configuration] tab on the screen.
4. Select [Print Reports].
5. Select from the following. Select the report to print and press <Start>.

The selected report will be printed.

- [Job Status / Activity Report]
Job History Report, Error History Report.
- [Copy Reports]
Configuration Report.
- [Printer Reports]
Configuration Report, TIFF / JPEG Logical Printers List, ART EX Form List, ESC/P Settings List, ESC/P Logical Printers List, PDF Settings List, TIFF / JPEG Settings List, ART IV ESC/P User Defined List, Font List, DocuWorks Printer Settings List, PCL Font List, PCL Settings List, PCL Macro List, HP-GL/2 Settings List, HP-GL/2 Logical Printers List, PC-PR201H Settings List, PC-PR201H Logical Printers List.
- [Folder List]
Reports, Address Book.
- [Job Counter Report]
- [Used Product Return Form]
- [CE]
HFSI Report, Debug Log Report, Jam Report, Failure Report, Shutdown Report, NVM SETTING VALUE LIST.
- [Scan Reports]
Reports, Address Book, Job Template List.
- [Auditron Reports]
Meter Report (Print Jobs).
- [Sample Bar Code GS1-128]
A4 Bar Code Mode OFF
A4 Bar Code Mode ON
A3 Bar Code Mode OFF
A3 Bar Code Mode ON

6.4.1.5 Main Reports

Report Name: [Jam Report]

6.4.1.5.1 Debug Log Report

- Purpose of the report:
To reduce the CE's workload when repairing failures by printing out the debug messages recorded in the NV Memory for CE maintenance.
- Contents of the printout
Prints out the debug messages recorded in the NV Memory with the time when the data was stored. The output format is as follows.
YYYY/MM/DD HH:MM:SS "xxxxx" (Recorded message)

6.4.1.5.2 HFSI Report

- Purpose of the report:
To display the HFSI information that is stored in the IOT.
- Contents of the printout
Report Name: HFSI Report
Date of last service call YYYY/MM/DD

Table 1

Chain-Link	Current Value	Standard Value	Average Monthly Value	Operation History (P1)	Operation History (P2)	Operation History (P3)
xxx-xxx 6-digit Display For the Chain-Link, refer to 6.3.4.	xx Displays a numeric value.	xx Displays a numeric value.	xx Displays the value accumulated from the last service call up to now and the frequency within 30 days calculated by the number of days.	Displays the reason for replacement using U: UM, S: SM, or O: Others. P1: Means the Life before previous replacement.	Displays the reason for replacement using U: UM, S: SM, or O: Others. P2: Means the Life before previous 2 replacements.	Displays the reason for replacement using U: UM, S: SM, or O: Others. P3: Means the Life before previous 3 replacements.

6.4.1.5.3 Jam Report

- Purpose of the report:
To check the frequency of the occurrence of Jams that are already registered.
- Contents of the printout

Table 2

Chain-Link	Counter Value
xxx-xxx 6-digit Display For the Chain-Link, search using the search function.	xx Displays a numeric value.

6.4.1.5.4 Shutdown Report

- Purpose of the report:
To output the registered history for the purpose of CE maintenance.
- Contents of the printout
Out of the contents recorded in the System Fail, Paper Jam, and Document Jam logs, up to 50 items will be displayed for each. If there is no log, only the item names are displayed and the log is not displayed.
Report Name: [Shutdown Report]

System Fail History

Table 3

Date & Time	Chain-Link	No. of Sheets
Displays the date & time of occurrence.	xxx-xxx 6-digit Display For the Chain-Link, search using the search function.	Up to 50 items

Paper Jam History

Table 4

Date & Time	Chain-Link	No. of Sheets
Displays the date & time of occurrence.	xxx-xxx 6-digit Display For the Chain-Link, search using the search function.	Up to 50 items

Document Jam History

Table 5

Date & Time	Chain-Link	No. of Sheets
Displays the date & time of occurrence.	xxx-xxx 6-digit Display For the Chain-Link, search using the search function.	Up to 50 items

6.4.1.5.5 Failure Report

- Purpose of the report: To output the registered number of failure occurrences for the purpose of CE maintenance.
- Contents of the printout
Report Name: [Failure Report]
The following reports are displayed:

Table 6

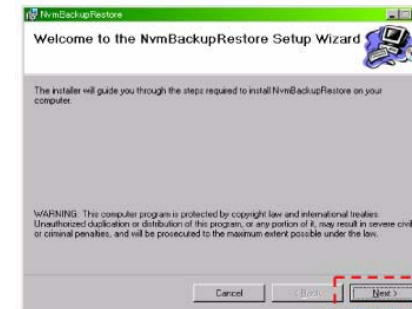
Chain-Link	Counter Value
xxx-xxx 6-digit Display For the Chain-Link, search using the search function.	xx Displays a numeric value.

6.4.1.6 NVM Settings Recovery Tool

The NVM Settings Recovery Tool is a GUI tool that performs all NVM Settings for DC machine and MF machines with USB interface, and printers (hereafter called "IOT"), through a PC.

[Preparation]

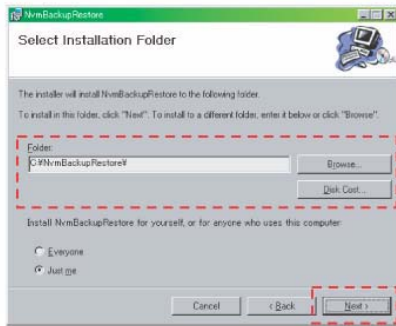
1. Obtain the NVM Settings Recovery Tool. Download the diagnostic program into a PSW from the following URL.
[FX]
URL: <http://download.tsc.ksp.fujixerox.co.jp/>
[APO/GCO]
APO RTS Docushare
2. Extract the NVM Settings Recovery Tool. The NvmBackRestore folder is created.
3. Install the NVM Settings Recovery Tool and the USB driver.
NOTE: When using a PC that can use PC-Diag, there is no need to install the USB driver.
4. Install the NVM Settings Recovery Tool.
 - (1) Start up the Setup.exe found in the NvmBackRestore folder.
 - (2) The [Welcome to the NvmBackupRestore Setup Wizard] screen is displayed. Click [Next].



j0sr64010

Figure 1 j0sr64010

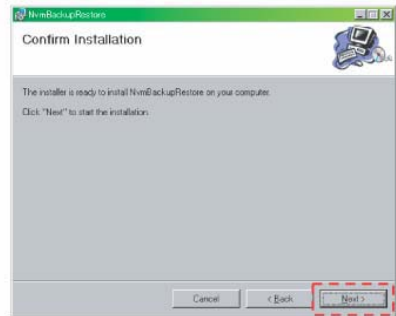
- (3) The [Select Installation Folder] screen is displayed. Specify the folder to install to and click [Next].



j0sr64011

Figure 2 j0sr64011

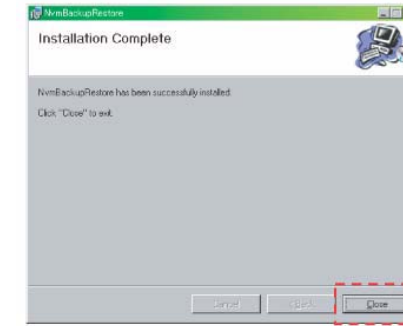
- (4) The [Confirm Installation] screen is displayed. Click [Next].
The installation starts.



j0sr64012

Figure 3 j0sr64012

- (5) When the installation is completed, the [Installation Complete] screen is displayed. Click [Close].



j0sr64013

Figure 4 j0sr64013

- (6) The installation is complete. The [NvmBackRestore] icon is created on the desktop.
5. Install the USB driver.

NOTE: The NVM Settings Recovery Tool uses a common USB driver with the PC-Diag. Hence, there is no need to install the driver on a PC-Diag capable PC.

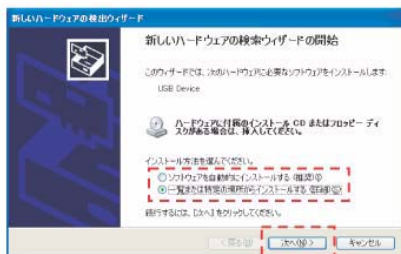
- (1) Turn ON the IOT.
- (2) Connect the PC and the IOT (USB 1.1: download) using the USB cable.



j0pr60015

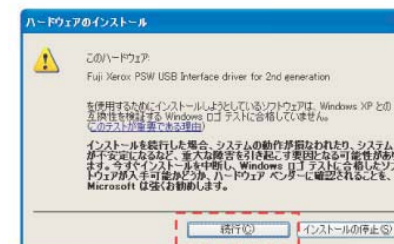
Figure 5 j0pr60015

- (3) The message: [Welcome to the found New Hardware Wizard] is displayed. Select [Install from a list or specific location (Advanced)] and click [Next].



j0sr64014

Figure 6 j0sr64014



j0sr64016

Figure 8 j0sr64016

- (4) The message: [Please choose your search and installation options] is displayed. Under the folder where the NVM Tool is installed, select the Drivers folder and select [Next]. Select the same Installation Folder as in step (3) of 4 (E.g.: if the application installation folder is [C:\NvmBackupRestore], it is [C:\NvmBackupRestore\Drivers])

- (6) After the installation is completed, the message: [Completing the Found New Hardware Wizard] is displayed. Click [Finish].



j0sr64015

Figure 7 j0sr64015



j0sr64017

Figure 9 j0sr64017

- (5) The [Install Hardware] screen is displayed. Click [Continue]. The installation starts.

6. The NVM Settings Recovery Tool and the USB driver installation is complete.

[NVM Backup Procedure]

The NVM that can be restored using the NVM Settings Recovery Tool are those that can be found in the NVM List bundled with the machine.

1. Turn ON the IOT. Enter the UI Diag and open the DC131 NVM Read / Write screen.
2. Connect the PSW and the IOT (USB 1.1 download) using the USB cable.

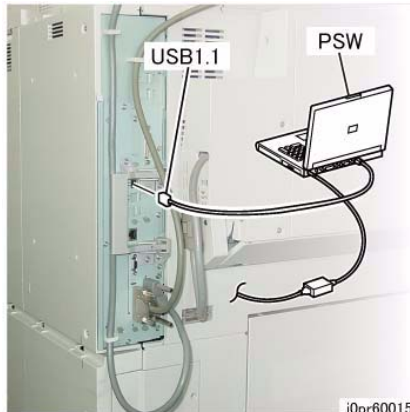


Figure 10 j0pr60015

3. Turn ON the PSW.
4. Click the [NVMBBackupRestore (NVM Settings Recovery Tool)] icon.
5. The [Fuji Xerox NVM Backup-Restore Tool] screen is displayed. Click [C/L List] and select the [XXXX(TBD).nvmlcl] file from the NVM Tool installation folder.

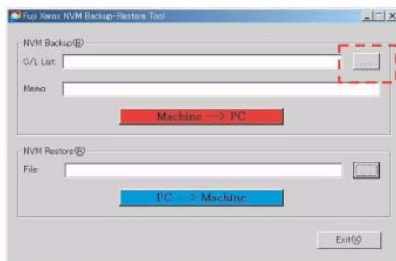


Figure 11 j0sr64018

6. Input comments in the [Memo] field.
(Not mandatory.)
7. Click [Machine -> PC].
If the [Memo] field was left blank in Step 6, the message: [Memo was not entered. Be continue?] is displayed. Click [Yes].
8. The message screen is displayed. Click [OK].



Figure 12 j0sr64019

9. The [Save As] screen is displayed with a name.
Specify a name for the backup file and the folder to save into and click [Save].
NOTE: Use the IOT Serial Number and the Date as the filename.

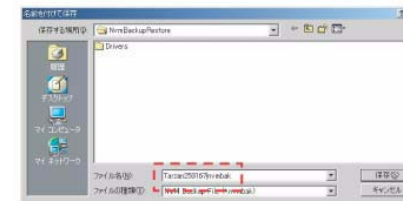


Figure 13 j0sr64020

10. After the backup has been completed, the following screen is displayed.
Click [No].

NOTE: If you click [Yes], the Explorer will start up to display the directory where the backup file is stored.

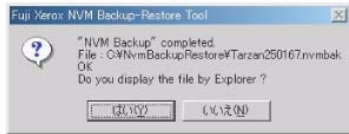


Figure 14 j0sr64021

j0sr64021

11. Click [Exit] to end the NVM Settings Recovery Tool.

[NVM Restore Procedure]

1. Turn ON the IOT. Enter the UI Diag and open the DC131 NVM Read / Write screen.
2. Connect the PSW and the IOT (USB 1.1 download) using the USB cable.



Figure 15 j0pr60015

j0pr60015

3. Turn ON the PSW.
4. Click the [NVMBackupRestore (NVM Settings Recovery Tool)] icon.
5. The [Fuji Xerox NVM Backup-Restore Tool] screen is displayed. Click [File].

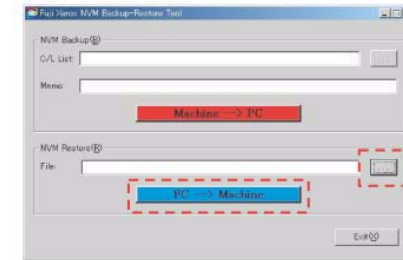


Figure 16 j0sr64022

j0sr64022

6. Select the backup file that was created in the backup procedure.

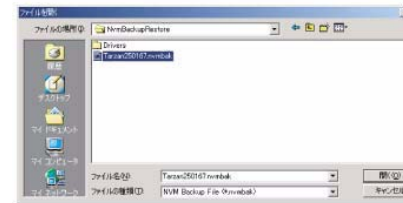
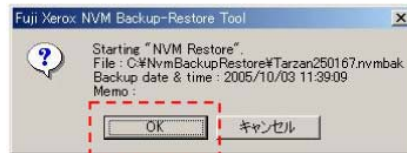


Figure 17 j0vt61015

j0vt61015

7. Click [PC -> Machine].
8. The message screen is displayed. Click [OK].

NOTE: If the [Memo] field was filled during backup, its content will be displayed on this screen.



j0sr64023

Figure 18 j0sr64023

9. After the restore has completed, the message: [NVM Restore" completed. OK] is displayed.
Click [OK].
10. Click [Exit] to end the NVM Settings Recovery Tool.

6.4.1.7 AST (Analysis Support Tool)

When there are problems that cannot be easily reproduced, the cause can be identified by using AST to analyze the expanded NRData.

1. The AST Operation Manual can be found in the following location: (FX Only)
 - <http://download.tsc.ksp.fujixerox.co.jp/TQMS/manual.htm>
2. During a service call, if the problem cannot be reproduced, further occurrences can be prevented by using AST to diagnose the cause for troubleshooting.

For the general usage method, refer to technical information No. 2-239 [Using TQMS/AST to Enhance Service Call SM Identification].

6.4.2.1 EP-BB Registration (EP Service)

The EP-BB connection is:

A feature to establish EP communication using broadband through the Internet. Unlike the conventional EP connection, this service enables you to receive EP Service just by directly connecting the Device using a network cable. (It does not require a converter box to be connected between the Device and the network)

This connection is called "Direct Internet Connection". (It directly connects to FujiXerox Servers)

For more details, refer to the Next-gen EP System Service Guidance.

6.4.2.1.1 EP-BB Registration

Purpose

To perform the EP-BB Registration/Cancelation/Relocation operations for the Device.

NOTE: The EP-BB Registration receives requests from the Service Representative and performs configuration based on the [EP-BB Installation Order]. This Installation Order must be obtained in advance from the Service Representative.

NOTE: The EP-BB Registration must be performed on a machine that has undergone a complete Connectivity & Network Setup and hence is capable of operating normally over the network.

1. Check that the following Network Settings based on [EP-BB Installation Order] or [Installation Order] of the Device has been completed.

Table 1

Settings Item	Remarks
1	IP Address (IPv4)
2	IP Subnet Mask (IPv4)
3	Gateway Address (IPv4)
4	DNS Server IP Address
	(1) There is no need to register the DNS Server when using a Proxy Server to perform EP Registration and the Proxy Server Address is set as the IP Address.
	(2) When setting 2 DNS or more, use the CWIS to perform the settings.

2. Set the setting method for the EP Proxy Server based on the [EP-BB Installation Order].
 - Set the following items using the NVM Read / Write of UI Diag.

(this setting is not required when the Proxy Server is directly specified or when the Proxy Server is not used)

Table 2

Chain-Link	Settings Value	Remarks
920-067 EP-BB Proxy Detection Method Set- ting	0 : Specify proxy address directly (Default)	Set the Proxy Server directly by using the IP Address or Host Name.
	1 : Use PAC file	Specify this to set the EP Proxy Server automatically using the PAC (Proxy Auto Configuration) file. If this was selected, the URL of the PAC file must be set in the [Proxy Settings File] (Chain-Link: 920-068).
	2 : Use WPAD	Specify this to set the EP Proxy Server automatically using WPAD (Web Proxy Auto Discovery Protocol).
920-068 PAC File Storage URL	Proxy Settings File (URL)	Up to 255 one byte characters can be set in the following format. http://[Host Name or IP Address]/[File Path + PAC File Name] Sample settings) http://192.168.1.1/jp/proxy.pac

- <CWIS Setting Screen>



j0rt64006

Figure 1 j0rt64006

3. Set the Proxy Server for EP-BB communication based on the [EP-BB Installation Order].
 - Set the following items in the System Administrator Mode ([System Settings] -> [Connectivity & Network Setup] -> [EP Proxy Server Setup]).

(this setting is not required when the Proxy Server is automatically set or when the Proxy Server is not used)

Table 3

	Settings Item	Remarks
1	Proxy Server Setup	When different Proxy Servers or port numbers are specified for HTTPS (Secure) and HTTP respectively, select [Different Proxy for Each Protocol].
2	HTTPS Proxy Server	Server Name Specify the Server Name or the IP Address. HTTPS (Secure) is used for the usual communication with the EP center.
3		Port Number
4		Login
5		Login Name
6		Password
7	HTTP Proxy Server	Server Name Specify the Server Name or the IP Address. HTTP is used for communication when obtaining the Firmware using the Firmware Update Service. This setting is not required when the Proxy Servers for HTTPS (Secure) and HTTP are the same.
8		Port Number
9		Login
10		Login Name
11		Password

- Enter the UI Diag and select the [System Settings] tab -> [Maintenance / Diagnostics] -> [EP Service] -> [EP Registration / Cancel Registration] -> [BB Registration]. Set each item and [Staff ID] (Company Identifier + 5 digits) based on the [EP-BB Installation Order]. The settings for [Proxy Server] that was set in Step 3 is displayed as is.



Figure 2 j0rt64005

- Selecting [Start] displays the [Review] screen. Check the contents and then select [Yes].
- The message: [BB registration in progress...] is displayed and, within approx. 1 minute, [Successfully registered.] will be displayed.

If the registration has failed, a Fault Code will be displayed. Refer to the Service Manual to solve the problem.

- Check the [Firmware Update Feature Disabled] checkbox based on the [EP Service License Application Form].

NOTE: If there is a check mark at the [Firmware Update Feature Disabled] checkbox, exit from the UI Diag to complete the EP-BB Registration. (Do not perform Step 8 onwards.)

- Set the NVM of the following Chain-Link from '0' -> '1' using the NVM Read / Write of UI Diag mode.

Table 4

Chain-Link	Settings Value	Setting Data
920-053 Software Update (KO) Flag	0 (Default)	Disabled
	1	Enabled
920-054 Software Update (CE) Flag	0 (Default)	Disabled
	1	Enabled

- Or, enter the UI Diag, select the [System Settings] tab -> [Common Service Settings] -> [Maintenance / Diagnostics] -> [EP Service Parameters], and check whether the following settings items are [Enabled].
 - [21. Display Software Upgrade Button (For KO)] -> [Enabled]
 - [22. Display Software Upgrade Button (For CE)] -> [Enabled]
- After checking the service parameters, select [Send Settings to Server] and exit from the UI Diag mode. (The Device will automatically reboot.)
- In the System Administrator Mode, select the [System Settings] tab -> [Maintenance / Diagnostics] -> [Software Upgrade].
- When the message is displayed on the Panel, perform the following actions.

Table 5

Message	Corrective Procedure
The machine has already been upgraded to the latest version.	(1) Exit from the System Administrator Mode to finish the EP-BB Registration.
Software version verified.	(1) Select [Start Upgrade]. When the confirmation screen appears, select [Yes]. (2) When the Firmware download has completed, check the progress of the software upgrade. (3) Finish the EP-BB Registration.

Table 5

Message	Corrective Procedure
An error has occurred. Unable to retrieve the software version. (021-532 or 021-533)	<ol style="list-style-type: none"> (1) From the UI Diag, select the [System Settings] tab -> [Maintenance / Diagnostics] -> [Software Upgrade]. (2) Select [Start Upgrade]. When the confirmation screen appears, select [Yes]. (3) When the Firmware download has completed, check the progress of the software upgrade. (4) After the upgrade has completed, change the required NVM settings. (5) Finish the EP-BB Registration.
An error has occurred. Unable to retrieve the software version. (For other than the above error codes)	<ol style="list-style-type: none"> (1) Troubleshoot the problem by referring to the Service Manual and finish the EP-BB Registration.

6.4.2.1.5 Relocate EP-BB Registration 2 (Relocation via EPA Server)

- The relocation procedure for a Device that is already registered by changing it via an EPA Server is as follows.
 1. Perform cancelation according to Cancel EP-BB Registration.
 2. Perform EP-BB Registration according to the registration procedure that goes through the EPA Server (EP Communication Aggregation Server).

6.4.2.1.2 Cancel EP-BB Registration 1 (Normal Cancelation)

- The cancelation procedure when it is possible to communicate with the EP Center is as follows.
 1. Enter the UI Diag and select the [System Settings] tab -> [Maintenance / Diagnostics] -> [EP Service] -> [EP Registration / Cancel Registration].
 2. Select [Cancel Registration] and select [Start].
 3. When the settings confirmation screen is displayed, check the contents and select [Yes].
 4. Exit from the UI Diag.

6.4.2.1.3 Cancel EP-BB Registration 2 (Forced Cancelation)

- The forced cancelation procedure for a Device that is unable to communicate with the EP Center is as follows.
 1. Enter the UI Diag and select the [System Settings] tab -> [Maintenance / Diagnostics] -> [NVM Read / Write].
 2. Change Chain-Link 920-001 from '2' to '0'.
 3. Exit from the UI Diag.
 4. The applicable Device is remotely canceled* via the EP Web Client (Maintenance) on the internal eHUB system.
 - * When an EP-BB Registered Device has had its NVM PWB replaced or had undergone NVM Initialization, the cancelation can only be performed remotely.

6.4.2.1.4 Relocate EP-BB Registration 1 (Normal Relocation)

- The relocation procedure for a Device that is already registered to a different network is as follows.
 1. Check that the network settings at the destination and the EP Proxy Server settings have already been completed.
 2. Enter the UI Diag and select the [System Settings] tab -> [Maintenance / Diagnostics] -> [EP Service] -> [Check EP Connection].
 3. When the confirmation screen is displayed, select [Yes].
 - If the communication has failed, a Fault Code will be displayed. Refer to the Service Manual to solve the problem.
 4. Exit from the UI Diag.

6.4.2.2 DC003 Preliminary Diagnostics Request (EP: FX Only)**Purpose**

Transmits the status diagnostic of the machine (NR Data) to the FX maintenance server via EP-SV.

NOTE: You cannot select the request items if EP-SV is not connected to the machine or to the telephone line.

NOTE: The machine shows error if EP-SV is not connected to the machine or to the telephone line.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [EP Service].
2. On the [EP Service] screen, select [Check Request / Repair Request].
3. On the [Check Request / Repair Request] screen, select the following items.
 - Check Request
 - Repair Request
 - Preliminary Diagnostics Request
4. Select [Start].
5. The [Check Request] screen is displayed.
6. Follow the instruction messages shown on the screen and select [Yes] or [No].
7. Select [Close] to return to the [EP Service] screen.

6.4.2.3 DC004 Used Parts Collection Request (EP: FX only)**Purpose**

Requests FFL to collect the Used Parts via EP-SV.

NOTE: The procedures to deal with EP-SV problems are as follows:

1. If the telephone line to EP-SV was busy when EP-SV received the Used Parts Collection Request from the Main Unit.
 - > Returns Fail to the Main Unit when EP-SV received the Used Parts Collection Request from the Main Unit.
2. If the EP-Front is not answering when EP-SV is calling EP-Front.
 - > Returns Fail to the Main Unit when EP-SV cannot connect to EP-Front even after making the specific number of calls.
3. If the telephone line is disconnected when communicating with EP-Front.
 - > Returns Fail (telephone line is disconnected) to the Main Unit when the line is disconnected.
4. If EP-SV is retrying, waiting for redial, or executing when EP-SV received Used Parts Collection Request from the Main Unit.
 - > Returns Fail to the Main Unit when EP-SV received the Used Parts Collection Request from the Main Unit.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [EP Service].
2. On the [EP Service] screen, select [Used Parts Collection Request].
3. The [Used Parts Collection Request] screen is displayed.
 - Used Parts Quantity : 1 to 255 (Default is 1)
 - Customer Representative: Enter the Customer Representative's name and select [Save].
4. Enter the Used Parts Quantity and the Customer Representative's name as needed.
5. Press <Start>.
6. Select [Close] to return to the [EP Service] screen.

6.4.2.4 DC118 Jam Counter (Faults)

Purpose

Displays the Count for jams that have occurred since the last reset due to [Exit (Clear Log)] up to now.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Faults].
2. The following items are displayed on the [Faults] screen.
 - Current Faults
 - Jam Counter button
 - Failure Counter button
 - Shutdown History button
3. Select [Jam Counter].
4. The following Items are displayed on the [Jam Counter] screen.
 - Chain-Link
 - Count

NOTE: •Displays the history of paper/document jams based on the data obtained from the Main Unit.

- Displays the Count from the last exit from the Service Mode with [Exit (Clear Log)] up to now.
 - The Count is reset when exiting from the Service Mode by using [Exit (Clear Log)].
5. Select [Close] to return to the [Faults] screen.

6.4.2.5 DC120 Failure Counter (Faults)

Purpose

Displays the Count for failures that have occurred since the last reset due to [Exit (Clear Log)] up to now.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Faults].
2. The following items are displayed on the [Faults] screen.
 - Current Faults
 - Jam Counter button
 - Failure Counter button
 - Shutdown History button
3. Select [Failure Counter].
4. The following Items are displayed on the [Failure Counter] screen.
 - Chain-Link
 - Count

NOTE: •Displays the history of failures based on the data obtained from the Main Unit.

- Displays the Count from the last exit from the Service Mode with [Exit (Clear Log)] up to now.
 - The Count is reset when exiting from the Service Mode by using [Exit (Clear Log)].
5. Select [Close] to return to the [Faults] screen.

6.4.2.6 DC122 Shutdown History (Faults)

Purpose

Displays the history in 4 categories: Document Feeder Jam, Paper Jam, Failure, and Last 40 Faults.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Faults].
2. The following items are displayed on the [Faults] screen.
 - Current Faults
 - Jam Counter button
 - Failure Counter button
 - Shutdown History button
3. Select [Shutdown History].
4. The following Items are displayed on the [Shutdown History] screen.
The Chain-Link, Date & Time, and Total CV of the selected button are displayed on the screen.
 - Paper Jam button
 - Document Feeder Jam button
 - Failure button
 - Last 40 Faults button

NOTE: •Displays the history of failures based on the data obtained from the Main Unit.

 - Displays the Count from the last exit from the Service Mode with [Exit (Clear Log)] up to now.
 - The Count is reset when exiting from the Service Mode by using [Exit (Clear Log)].
5. Selecting any of [Paper Jam/Document Feeder Jam/Failure/Last 40 Faults] displays the Chain-Link, Date & Time, and Total CV.
6. Select [Close] to return to the [Faults] screen.

6.4.2.7 DC126 System Registration Adjustment (Registration)

Purpose

Aligns the IOT Registration.

- IOT Registration Adjustment performs the Registration adjustment from the output result of the Built-in Adjustment Test Pattern.

Function

Print the Adjustment Test Pattern (containing the record of measurement (length) location of the various alignment component) that is stored in the Controller and then follow the instructions on the UI screen to input the result of measurements from the measurement locations on the printout via the UI screen to send the misalignment to the IOT and adjust the alignment component.

Furthermore, for adjustment items other than the Side 1 / Side 2 Registration, successive adjustments can be done using the output result of 1 sheet of chart.

<Adjustable Items>

- Side 1/Side 2 Perpendicularity Fine Adjustment
- Side 1/Side 2 Side Skew Fine Adjustment
- Side 1/Side 2 Fast Scan Reduce/Enlarge Fine Adjustment
- Side 1/Side 2 Slow Scan Reduce/Enlarge Fine Adjustment
- Side 1/Side 2 Lead Regi/Side Regi Independent Adjustment

NOTE: Before performing this adjustment, make sure that the following has already been completed.

- Chapter 6 6.4.2.8 DC127 Register Paper Feeding Positions
- Chapter 6 6.4.2.25 DC675 Registration Control Setup Cycle (if the Registration Control Setup Cycle was not completed successfully, the alignment adjustment cannot be performed properly)

Procedure

1. Enter Diag mode and select [Registration]. (Figure 1)

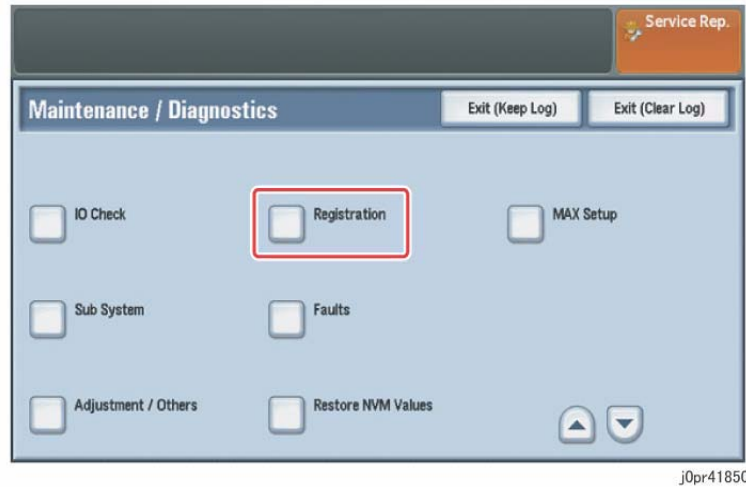


Figure 1 j0pr41850

2. Select DC126 [System Registration Adjustment].
Load A3 or 11x17" paper in the Tray and then select [Print] to output the number of measurement charts that was set. (Figure 2)

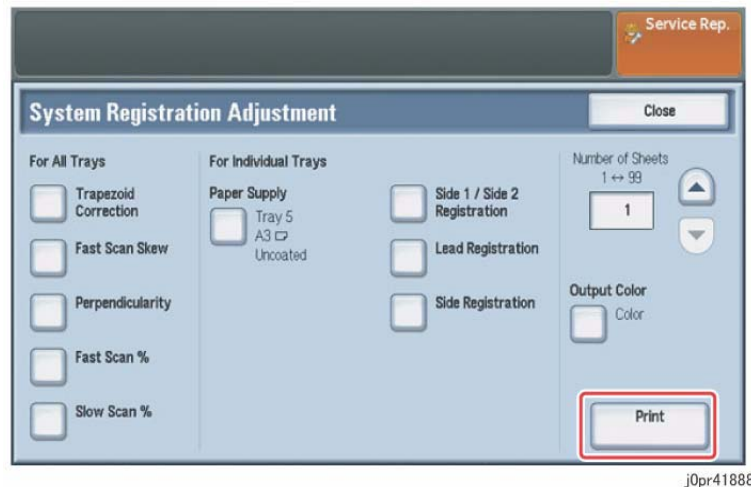


Figure 2 j0pr41888

<Trapezoid Correction Adjustment> Procedure

1. Select [Trapezoid Correction]. (Figure 3)

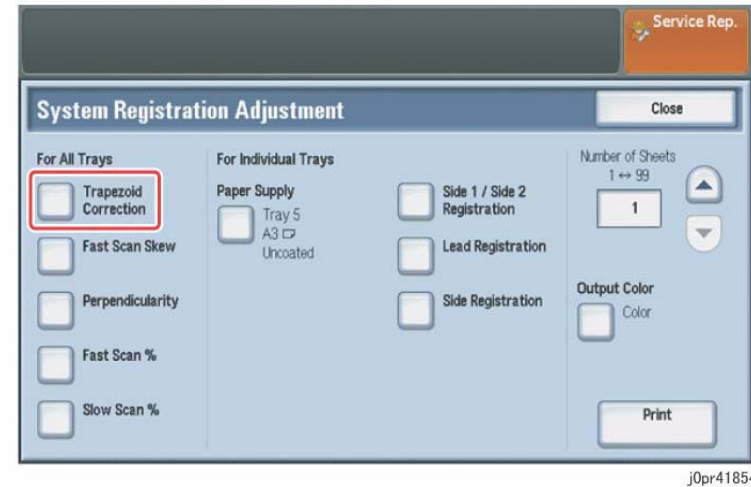


Figure 3 j0pr41854

2. Measure Pa and Pb on the measurement chart. (Figure 4)

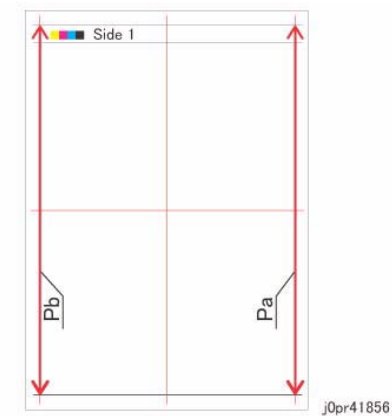


Figure 4 j0pr41856

3. Input the measured value and select [Calculate]. (Figure 5)



j0pr41855

Figure 5 j0pr41855

4. The automatically calculated adjustment amount is displayed. (Figure 6)



j0pr41857

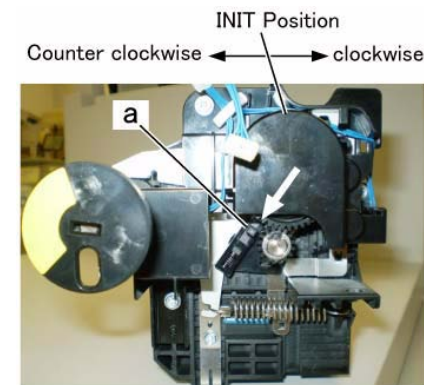
Figure 6 j0pr41857

5. Use the displayed adjustment amount to adjust the Eccentric Cam of the 2nd BTR relative to its current position. (Figure 7)

Adjustment

1. Remove the 2nd BTR Assembly. (REP 14.1.2)

NOTE: Rotate each cam in CW or CCW direction as shown in the following figure. Place the 2nd BTR on a level surface with its front side facing towards you and adjust the cam at the front. Next, turn the 2nd BTR 180 Degrees and adjust the cam at the rear.



j0pi41451

Figure 7 Releasing the 2nd BTR Cam (j0pi41451)

Change the cam position at the IN/OUT of the 2nd BTR by the following procedure. At that time, pull the lever of the cam to remove the latch, and then rotate the cam.

(OB side: front side)

If the adjustment amount for Trapezoid Correction is positive, turn the cam in CW direction. If it is negative, turn it in CCW direction.

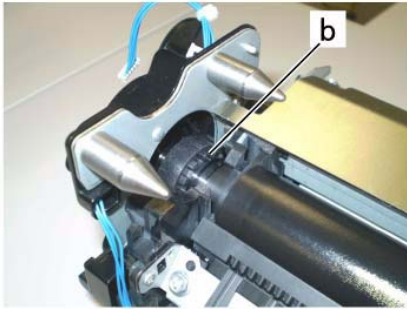
Use the adjustment amount as the amount to move the cam (scale count).

NOTE: The movement range for the scale is between (-5) and (+3). An increment of 1 in the scale is equal to a change of 0.35 mm.

E.g.)

If the adjustment amount is (-3): rotate the cam 3 scales in CCW direction.

If the adjustment amount is (+1): rotate the cam 1 scale in CW direction.



j0pi41452

Figure 8 Adjusting the 2nd BTR Cam (j0pi41452)

(IB side: rear side)

Rotate the cam by the same amount, but in the opposite direction to those at OB side. The movement range for the scale is between (+5) to (-3).

NOTE: When looking from the OB side, the direction of the rotation is reversed. When working from the rear, the direction of the rotation is the same.

2. Repeat the check. If the result is [OK], proceed with the Fast Scan Skew Adjustment. If it persists as [NG] go to the next step.
3. Remove the 2nd BTR Assembly and inspect it.
Visually check to see whether the gears of the 2nd BTR Assembly have worn out.
If the 2nd BTR Assembly parts are worn out or damaged, replace the 2nd BTR Assembly.
4. If the 2nd BTR Assembly parts are neither worn out nor damaged, replace the assembly in the machine and check that it is installed properly.
5. Return to the beginning of this adjustment and perform the check.
6. If the result of the check persistently remains as [NG], check the paper for elongation.
7. Perform the Fast Scan Skew Adjustment.

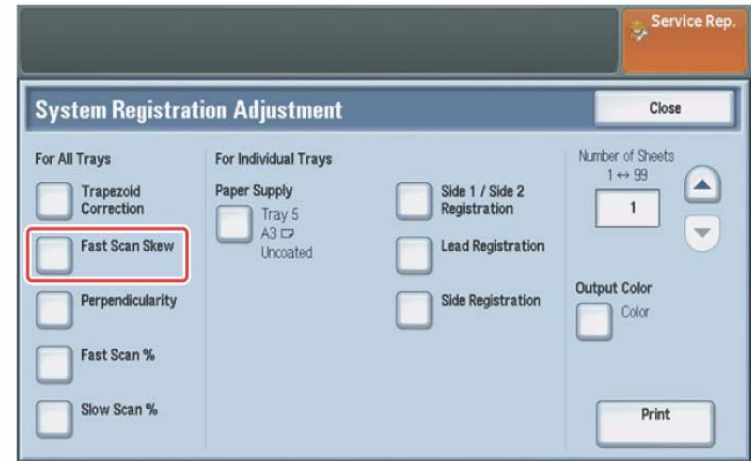
Check the paper for elongation

Check for paper elongation at the Fusing Unit.

1. Open the Paper Tray that is being checked.
2. Remove 3 sheets of paper (A3) from the Tray.
3. Measure the paper width in the IB-OB direction at the Lead Edge and Tail Edge of the paper.
4. Load the pre-measured paper into the Tray and print Test Pattern 8.
5. Measure the paper width in the IB-OB direction at the Lead Edge and Tail Edge of the paper.
6. If the difference between the measured values is 0.4 mm or higher, replace the Fusing Unit.

**<Fast Scan Skew Adjustment>
Procedure**

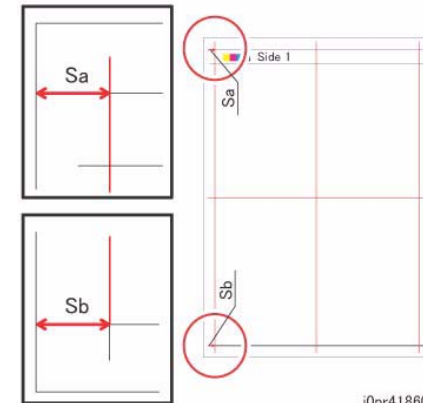
1. Select [Fast Scan Skew]. (Figure 9)



j0pr41858

Figure 9 j0pr41858

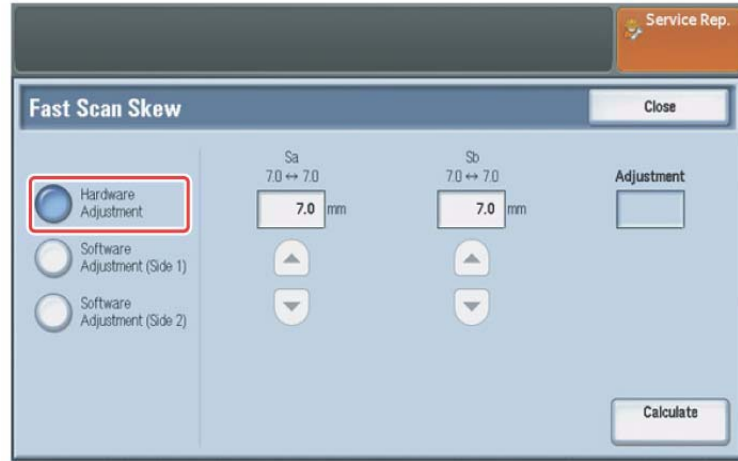
2. Measure Sa and Sb on Side 1 of the measurement chart. (Figure 10)



j0pr41860

Figure 10 j0pr41860

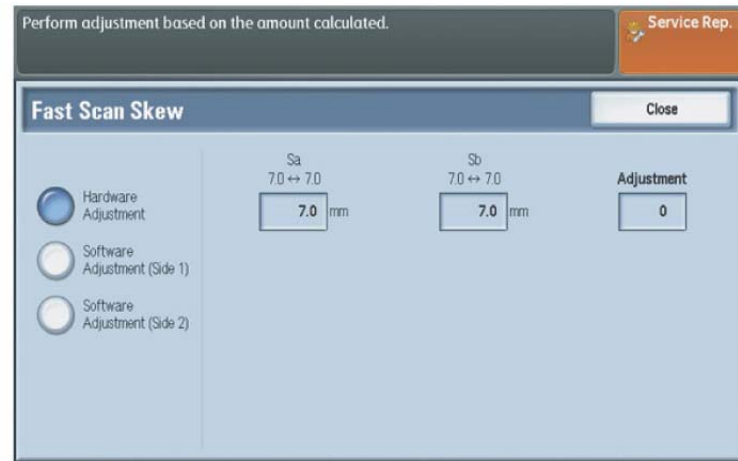
3. Select [Hardware Adjustment], input the measured value, and select [Calculate]. (Figure 11)



j0pr41859

Figure 11 j0pr41859

4. The automatically calculated adjustment amount is displayed. (Figure 12)

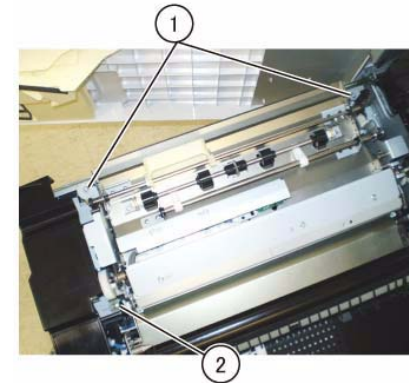


j0pr41861

Figure 12 j0pr41861

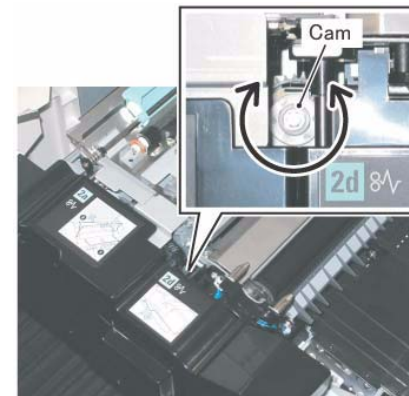
5. Pull out the Drawer Unit.
6. Adjust the Registration Transport. (Figure 13) (Figure 14)
 - (1) Loosen the securing screw (x2).
 - (2) Slowly rotate the Adjustment Cam by the displayed adjustment amount only. (Be careful to not over-rotate)

Rotate the cam in CCW direction when the adjustment amount is positive and rotate it in the CW direction when the value is negative.



j0pi41455

Figure 13 j0pi41455



j0pr41863

Figure 14 j0pr41863

7. Next, measure Sa and Sb on Side 2 of the measurement chart in the same way. (Figure 15)

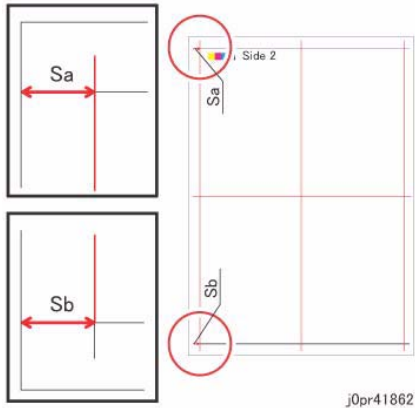


Figure 15 j0pr41862

8. Select [Software Adjustment (Side 2)], input the measured value, and select [Adjust]. (Figure 16)

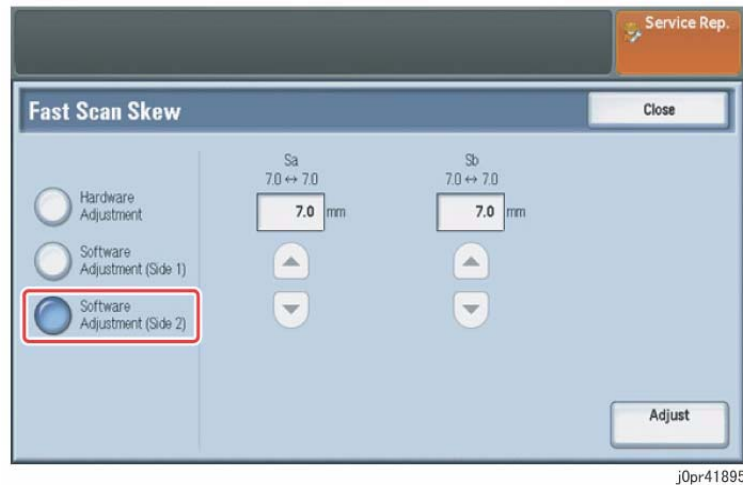


Figure 16 j0pr41895

9. The automatic adjustment is performed and [Adjustment has been Completed.] will be displayed.

NOTE: Selecting [Calculate] again after the adjustment has completed returns the displayed values to their default values. If the adjustment values are re-input and [Adjust] is selected at this time, it will cause those values to be reflected. Therefore, never perform the adjustment without printing out and measuring the chart.

NOTE: Do not perform [Software Adjustment (Side 1)].

<Perpendicularity Adjustment>

Procedure

1. Select [Perpendicularity]. (Figure 17)

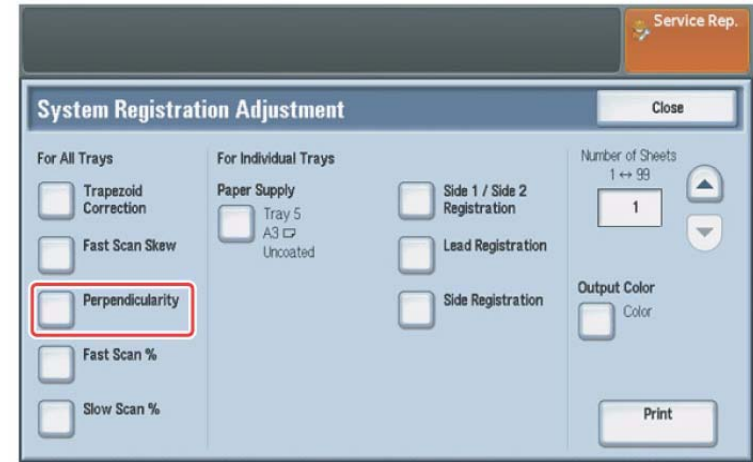


Figure 17 j0pr41864

2. Measure La and Lb on Side 1 of the measurement chart. (Figure 18)

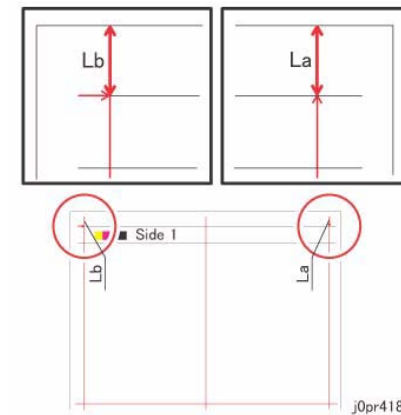


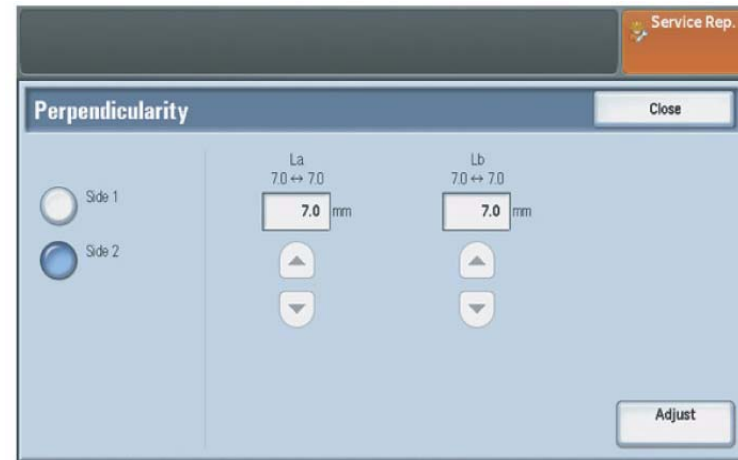
Figure 18 j0pr41866

3. Select [Side 1], input the measured value, and select [Adjust]. (Figure 19)



j0pr41865

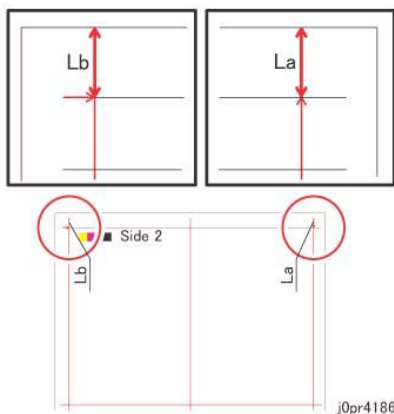
Figure 19 j0pr41865



j0pr41896

Figure 21 j0pr41896

4. The automatic adjustment is performed and [Adjustment has been Completed.] will be displayed.
5. Measure La and Lb on Side 2 of the measurement chart. (Figure 20)



j0pr41867

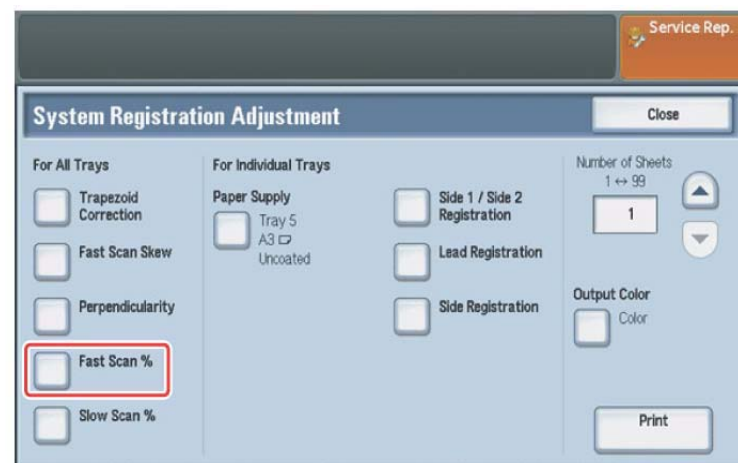
Figure 20 j0pr41867

6. Select [Side 2], input the measured value, and select [Adjust]. (Figure 21)

7. The automatic adjustment is performed and [Adjustment has been Completed.] will be displayed.

**<Fast Scan Reduce/Enlarge Adjustment>
Procedure**

1. Select [Fast Scan %]. (Figure 22)



j0pr41868

Figure 22 j0pr41868

2. Measure Lfs on Side 1 of the measurement chart. (Figure 23)

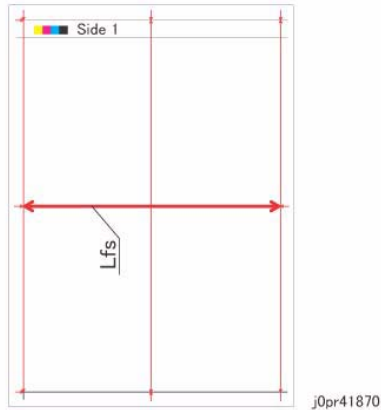


Figure 23 j0pr41870

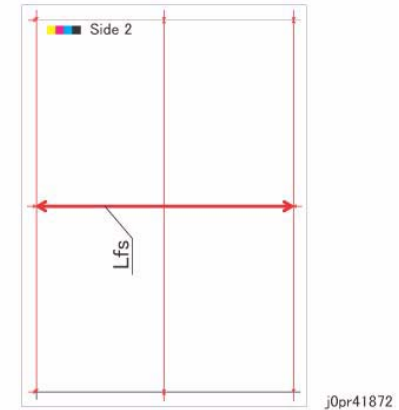


Figure 25 j0pr41872

3. Select [Side 1], input the measured value, and select [Adjust]. (Figure 24)

6. Select [Side 2], input the measured value, and select [Adjust]. (Figure 26)

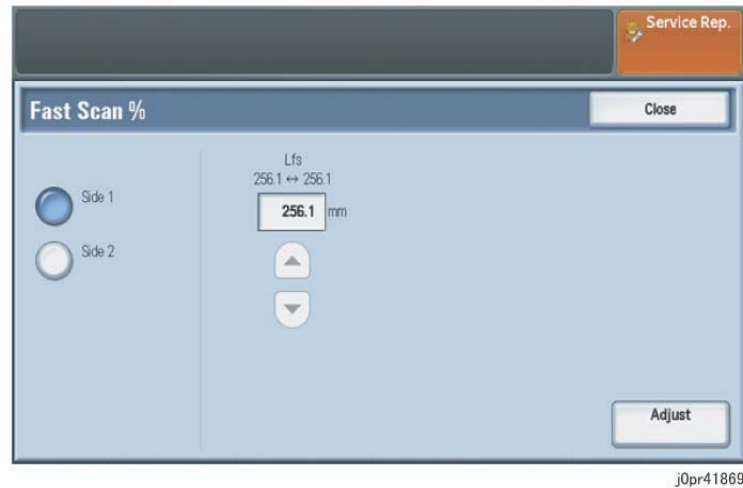


Figure 24 j0pr41869

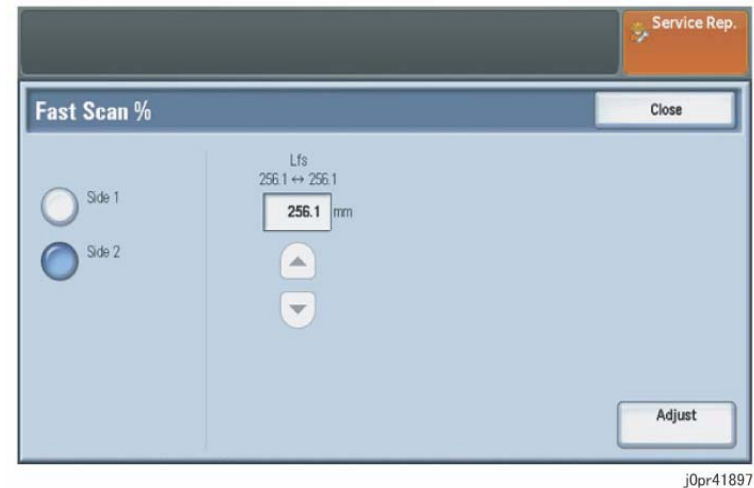


Figure 26 j0pr41897

4. The automatic adjustment is performed and [Adjustment has been Completed.] will be displayed.

7. The automatic adjustment is performed and [Adjustment has been Completed.] will be displayed.

5. Measure Lfs on Side 2 of the measurement chart. (Figure 25)

<Slow Scan Reduce/Enlarge Adjustment>

Procedure

1. Select [Slow Scan %]. (Figure 27)

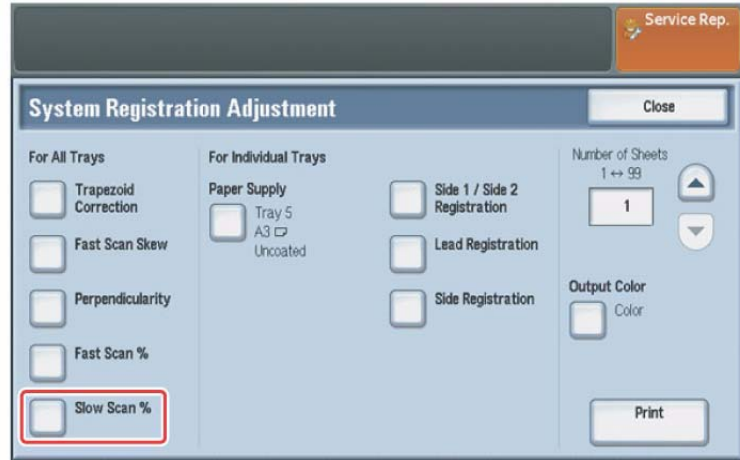


Figure 27 j0pr41873

2. Measure Lss on Side 1 of the measurement chart. (Figure 28)

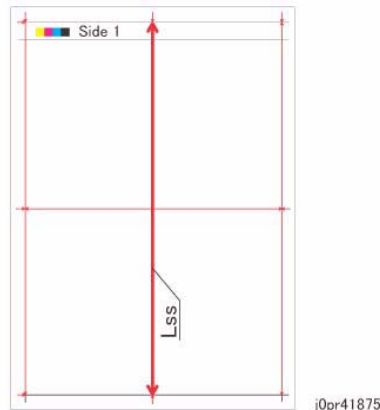


Figure 28 j0pr41875

3. Select [Side 1], input the measured value, and select [Adjust]. (Figure 29)



Figure 29 j0pr41874

4. The automatic adjustment is performed and [Adjustment has been Completed.] will be displayed.
5. Measure Lss on Side 2 of the measurement chart. (Figure 30)

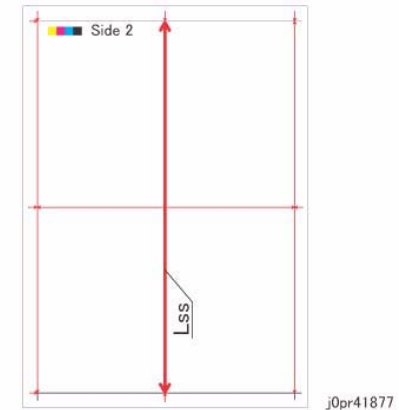


Figure 30 j0pr41877

6. Select [Side 2], input the measured value, and select [Adjust]. (Figure 31)

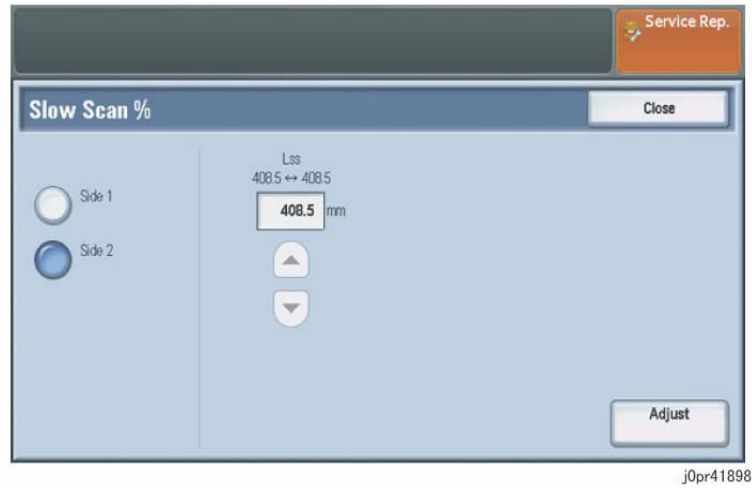


Figure 31 j0pr41898

j0pr41898

7. The automatic adjustment is performed and [Adjustment has been Completed.] will be displayed.

<Lead Registration Adjustment>

Procedure

1. Select [Lead Registration]. (Figure 32)

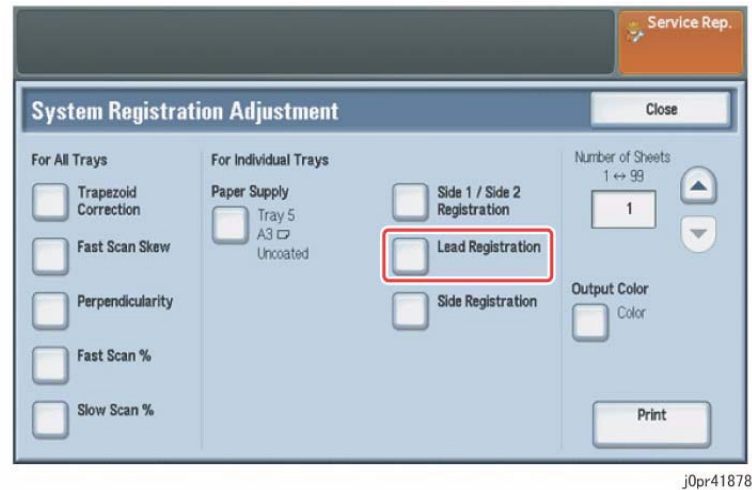


Figure 32 j0pr41878

j0pr41878

2. Measure B on Side 1 of the measurement chart. (Figure 33)

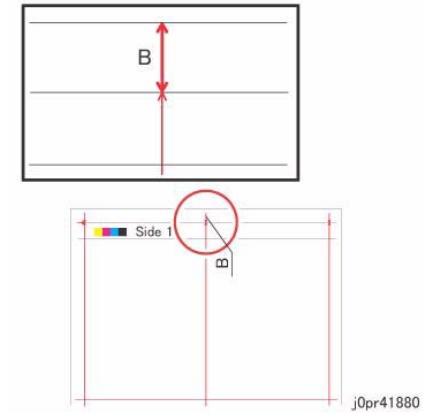


Figure 33 j0pr41880

j0pr41880

3. Select [Side 1], input the measured value, and select [Adjust]. (Figure 34)



Figure 34 j0pr41879

j0pr41879

4. The automatic adjustment is performed and [Adjustment has been Completed.] will be displayed.

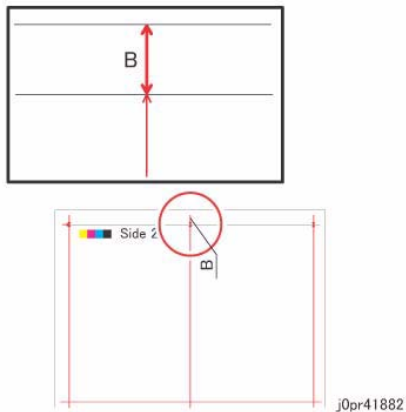
5. Select [Apply Value to All Paper Types]. (Figure 35)



j0pr41881

Figure 35 j0pr41881

6. Measure B on Side 2 of the measurement chart. (Figure 36)



j0pr41882

Figure 36 j0pr41882

7. Select [Side 2], input the measured value, and select [Adjust]. (Figure 37)



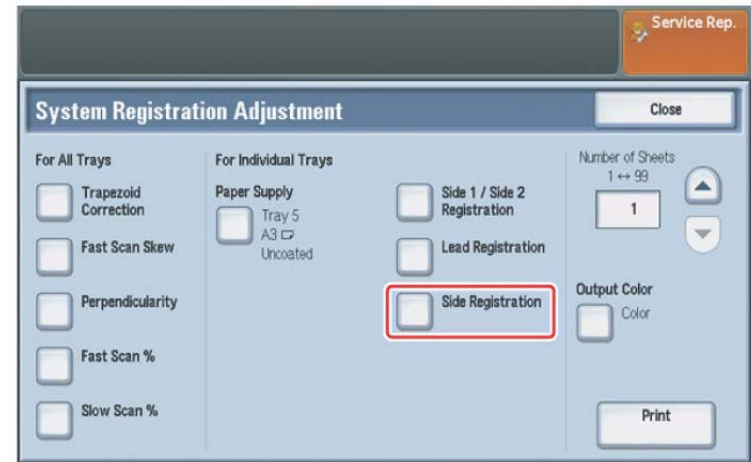
j0pr41899

Figure 37 j0pr41899

8. The automatic adjustment is performed and [Adjustment has been Completed.] will be displayed.
9. Select [Apply Value to All Paper Types].

**<Side Registration Adjustment>
Procedure**

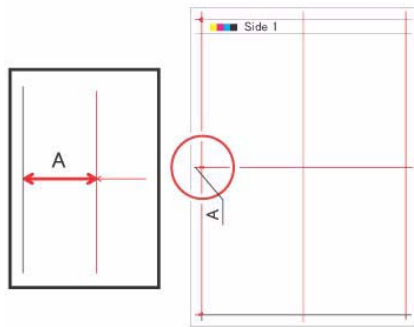
1. Select the Tray to adjust and select [Side Registration]. (Figure 38)



j0pr41883

Figure 38 j0pr41883

- Measure A on Side 1 of the measurement chart. (Figure 39)



j0pr41885

Figure 39 j0pr41885

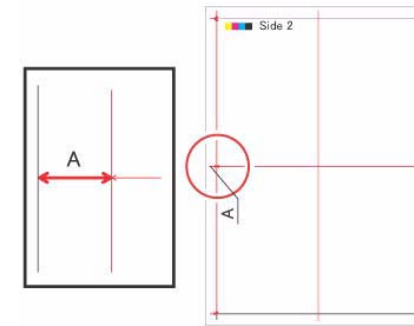
- Select [Side 1], input the measured value, and select [Adjust]. (Figure 40)



j0pr41884

Figure 40 j0pr41884

- The automatic adjustment is performed and [Adjustment has been Completed.] will be displayed.
- Measure A on Side 2 of the measurement chart. (Figure 41)



j0pr41887

Figure 41 j0pr41887

- Select [Side 2], input the measured value, and select [Adjust]. (Figure 42)



j0pr41840

Figure 42 j0pr41840

- The automatic adjustment is performed and [Adjustment has been Completed.] will be displayed.
- Set the individual Trays by selecting an unadjusted Tray or MSI, printing out the measurement chart, and then performing the procedure from step 2 onwards.

NOTE: Load A3 or 11x17" paper into the Tray/MSI.

<Side 1 / Side 2 Registration Adjustment>

NOTE: Do not use the Side 1 / Side 2 Registration Adjustment.

6.4.2.8 DC127 Register Paper Feeding Positions (Registration)

Function

For IOT that performs alignment correction using a sensor to detect the paper edge position, a default settings value must be stored for each individual machine to keep the amount of misalignment in check for cases where control is not possible due to sensor malfunction and to reduce the variations of correction in the mechanical correction mechanism.

This adjustment has been automated to reduce the adjustment time after sensor replacement and HCF installation.

There are 2 adjustment functions as follows.

- Paper Passing Position Origin Settings for each Tray (measurement performed for each Simp/Dup surface)
- Paper Position Adjustment by Tray Shift Function (measurement performed for Simp surface)

NOTE: Before performing this adjustment, perform 6.4.2.28 DC750 IOT CIS Setup Cycle in Chapter 6.

Procedure

1. Enter Diag mode and select [Registration]. (Figure 1)

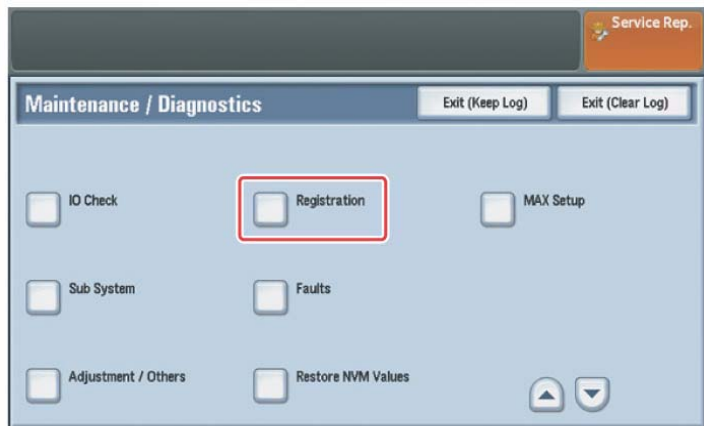


Figure 1 j0pr41850

2. Select DC127 [Register Paper Feeding Positions]. (Figure 2)

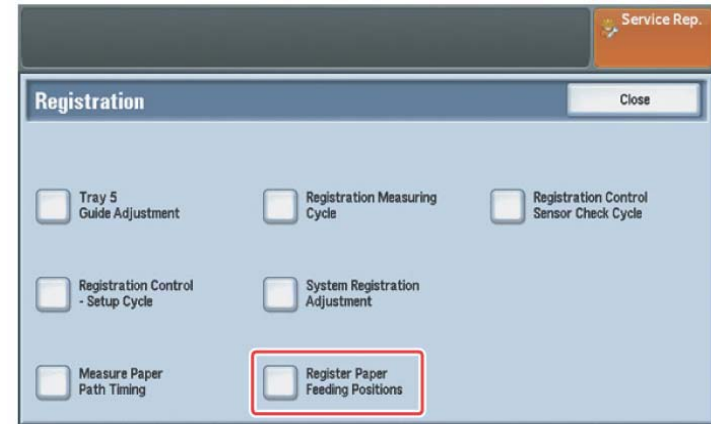


Figure 2 j0pr41851

3. Select Tray 1, load A3 or 11x17" paper, set [Number of Sheets] to 3, and then select [Start]. (Figure 3)

NOTE: Perform this using A3 or 11x17" paper.



Figure 3 j0pr41852

4. The message: [Processing...] is displayed.



Figure 4 j0pr41842

NOTE: Although a blank paper will be output during this paper transportation, it will not be billed.

5. When the adjustment has completed successfully, the message: [Diagnostic routine completed successfully.] is displayed. Select [Confirm].



Figure 5 j0pr41843

6. Next, perform the same procedure starting from Step 3 for Tray 2, 3, 6, 7, and the MSI (Bypass Tray). (Tray 6 and 7 are only available when an HCF is installed)

6.4.2.9.1 DC128 Fold Position Printout (Adjustment / Others/ Finisher - Adjust Fold Position)

Purpose

To print the sample print and check the Single Fold position, Staple position, and Booklet fold position of Booklet Folder.

NOTE: For details on the procedure, refer to ADJ 25.3.1 in Chapter 4 of the Finisher D2/D2P/D3/D4 Supplementary Manual.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Adjustment / Others].
2. On the [Adjustment / Others] screen, select [Finisher - Adjust Fold Position].
3. On the [Finisher - Fold Position Adjustment] screen, select [Fold Position Printout].
4. The [Fold Position Printout] screen is displayed. The following settings items will appear.
 - Folding Function: Booklet, Single Fold, Z Fold Half Sheet, Z Fold, and C Fold.
 - Tray: 1, 2, 3, 4, 6, and 7 (Bypass not supported)
 - 2 Sided: 1 Sided, 2 Sided (the [Face Down] setting for [Face Up / Down Output] is invalid when [2 Sided] is specified.)
 - Binding Shift: No, Yes
 - Face Up / Down Output: Face Down (the [Face Up / Down Output] setting is invalid when [Booklet] or [Z Fold Half Sheet] is specified.)
 - Number of Sheets: 1 to 200 (Up to 15 sheets can be set for Booklet. Up to 15 sheets can be set for Single Fold.)
 - Quantity: 1 to 999 sets
 - Image: Grid (Adjust Fold Position), Grid (Adjust Alignment), HT10%
5. Select the settings item to change and select [Change Settings].
6. Select the Feature of settings item and select [Save].
7. Press <Start>. The printout is output.
8. Select [Close] to return to the [Finisher - Adjust Fold Position] screen.

6.4.2.9.2 DC128 Single Fold (Adjustment / Others/Finisher - Adjust Fold Position)

Purpose

Changes the settings value of Fold Position for Booklet Folder.

NOTE: For details on the procedure/explanation, refer to ADJ 25.3.1 in Chapter 4 of the Finisher D2/D2P/D3/D4 Supplementary Manual.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Adjustment / Others].
2. On the [Adjustment / Others] screen, select [Finisher - Adjust Fold Position].
3. On the [Finisher - Fold Position Adjustment] screen, select [Fold Position Printout]. On the [Fold Position Printout] screen, select the Fold function [Single Fold] and output a printout. Check the misalignment at the Single Fold position.
4. Select [Close] to return to the [Finisher - Adjust Fold Position] screen.
5. On the [Finisher - Fold Position Adjustment] screen, select [Single Fold].
6. The [Single Fold] screen is displayed.
7. Select a settings item (B4 or larger, Smaller than B4).

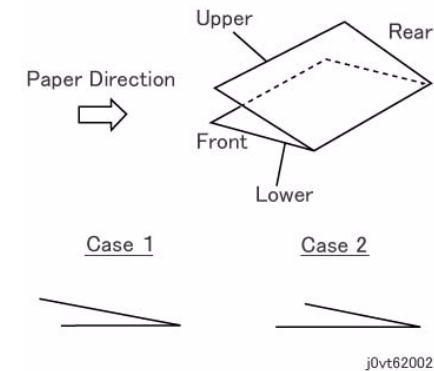


Figure 1 j0vt62002

8. Select [Change Settings]. Change the value of the settings item and select [Save].
 - Increase or decrease the NVM value in the Single Fold misalignment direction.
9. On the [Finisher - Fold Position Adjustment] screen, select [Fold Position Printout]. Again, select [Single Fold] and output a printout with Single Fold. Check the misalignment at the Single Fold position.
10. Select [Close] to return to the [Finisher - Adjust Fold Position] screen.

6.4.2.9.3 DC128 Create Booklet - Fold & Staple (Adjustment / Others/Finisher - Adjust Fold Position)

Purpose

To adjust the Staple position skew for Booklet Folder.

NOTE: For details on the procedure/explanation, refer to ADJ 25.3.1 in Chapter 4 of the Finisher D2/D2P/D3/D4 Supplementary Manual.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Adjustment / Others].
2. On the [Adjustment / Others] screen, select [Finisher - Adjust Fold Position].
3. On the [Finisher - Adjust Fold Position] screen, select [Fold Position Printout] then the fold features of [Booklet Creation] and [Single Fold], and then output a printout.
4. Select [Close] to return to the [Finisher - Adjust Fold Position] screen.
5. On the [Finisher - Fold Position Adjustment] screen, select [Create Booklet - Fold & Staple].
6. The [Create Booklet - Fold & Staple] screen is displayed. The following settings items will appear.
 - 2 stapled sheets, B4 or larger
 - 2 stapled sheets, smaller than B4
 - 2 / 15 stapled sheets, B4 or larger
 - 2 / 15 stapled sheets, smaller than B4
 - 3 stapled sheets, B4 Off
 - 4 stapled sheets, B4 Off
 - 5 - 7 stapled sheets, B4 Off
 - 8 - 14 stapled sheets, B4 Off
 - Staple Position Adjustment
7. Select the settings item to change.
 - Adjust the misalignment of the Staple & Fold position according to the folding size for the number of sheets in each set.
 - Adjust the misalignment of the Staple position and Fold position by aligning the Staple position to the Fold position for the number of sheets in each set.
8. Select [Change Settings]. Change the value of the settings item and select [Save].
9. On the [Finisher - Adjust Fold Position] screen, select [Fold Position Printout] then the fold features of [Booklet Creation] and [Single Fold], and then output a printout. Check the Staple position.
10. Select [Close] to return to the [Finisher - Adjust Fold Position] screen.

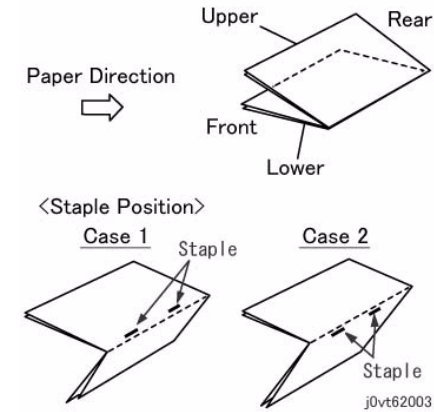


Figure 1 j0vt62003

6.4.2.9.4 DC128 Create Booklet - Fold Only (Adjustment / Others/ Finisher - Adjust Fold Position)

Purpose

To adjust the Booklet Fold position skew for Booklet Folder.

NOTE: For details on the procedure/explanation, refer to ADJ 25.3.1 in Chapter 4 of the Finisher D2/D2P/D3/D4 Supplementary Manual.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Adjustment / Others].
2. On the [Adjustment / Others] screen, select [Finisher - Adjust Fold Position].
3. On the [Finisher - Adjust Fold Position] screen, select [Fold Position Printout] then the fold feature of [Booklet Creation], and then output a printout. Check the Booklet Fold position.
4. Select [Close] to return to the [Finisher - Adjust Fold Position] screen.
5. On the [Finisher - Fold Position Adjustment] screen, select [Create Booklet - Fold Only].
6. The [Create Booklet - Fold Only] screen is displayed. The following settings items will appear.
 - 2 or more stapled sheets, B4 or larger
 - 2 or more stapled sheets, B4 or smaller
 - 3 stapled sheets, B4 or larger
 - 3 stapled sheets, smaller than B4
 - 4 stapled sheets, B4 or larger
 - 4 stapled sheets, smaller than B4
 - 5 - 7 stapled sheets, B4 or larger
 - 5 - 7 stapled sheets, smaller than B4
 - 8 - 14 stapled sheets, B4 or larger
 - 8 - 14 stapled sheets, smaller than B4
 - 2 unstapled sheets
 - 3 or more unstapled sheets
7. Select the settings item to change.
8. Select [Change Settings]. Change the value of the settings item and select [Save].
9. On the [Finisher - Adjust Fold Position] screen, select [Fold Position Printout] then the fold feature of [Booklet Creation], and then output a printout. Check the Booklet Fold position.
10. Select [Close] to return to the [Finisher - Adjust Fold Position] screen.

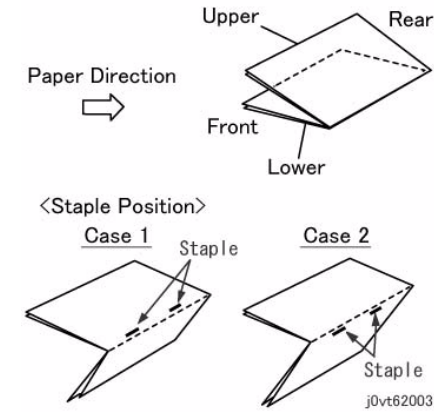


Figure 1 j0vt62003

6.4.2.9.5 DC128 Z Fold Half Sheet (Adjustment / Others/Finisher - Adjust Fold Position)

Purpose

To adjust the fold length of Z Fold Half Sheet position for Booklet Folder.

NOTE: For details on the procedure, refer to ADJ 25.3.3 in Chapter 4 of the Finisher D2/D2P/D3/D4 Supplementary Manual.

Procedure

- On the [Maintenance / Diagnostics] screen, select [Adjustment / Others].
- On the [Adjustment / Others] screen, select [Finisher - Fold Position Adjustment].
- On the [Finisher - Fold Position Adjustment] screen, select [Fold Position Printout].
On the [Fold Position Printout] screen, select the Fold function [Z Fold Half Sheet] and output a printout.
Check the fold length of the Z Fold Half Sheet position.

NOTE: As the fold length from the rear end changes by the same amount when the fold length from the front end is adjusted, be sure to adjust the rear end after adjusting the front end.

- Select [Close] to return to the [Finisher - Adjust Fold Position] screen.
- On the [Finisher - Fold Position Adjustment] screen, select [Z Fold Half Sheet].
- The [Z Fold Half Sheet] screen is displayed. The following settings items will appear.
 - A3 front end (First Fold)
 - A3 rear end (Second Fold)
 - 11 x 17" front end (First Fold)
 - 11 x 17" rear end (Second Fold)
 - B4 front end (First Fold)
 - B4 rear end (Second Fold)
 - 8K (FXTW) front end (First Fold)
 - 8K (FXTW) rear end (Second Fold)
 - 8K (GCO) front end (First Fold)
 - 8K (GCO) rear end (Second Fold)
- Select the settings item to change.

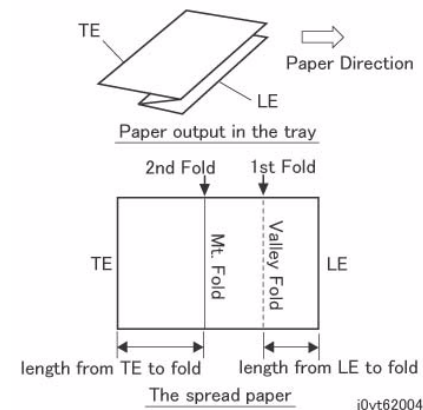


Figure 1 j0vt62004

- Select [Change Settings]. Change the value of the settings item and select [Save].
- On the [Finisher - Fold Position Adjustment] screen, select [Fold Position Printout].
On the [Fold Position Printout] screen, select the Fold function [Z Fold Half Sheet] and output a printout.
Check the fold length of the Z Fold Half Sheet position.
- Select [Close] to return to the [Finisher - Adjust Fold Position] screen.

6.4.2.9.6 DC128 Z Fold (Adjustment / Others/Finisher - Adjust Fold Position)

Purpose

To adjust the fold length of Z Fold position for Booklet Folder.

NOTE: For details on the procedure, refer to ADJ 25.3.3 in Chapter 4 of the Finisher D2/D2P/D3/D4 Supplementary Manual.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Adjustment / Others].
2. On the [Adjustment / Others] screen, select [Finisher - Fold Position Adjustment].
3. On the [Finisher - Fold Position Adjustment] screen, select [Fold Position Printout].
On the [Fold Position Printout] screen, select the Fold function [Z Fold] and output a printout.
Check the fold length of the Z Fold position.

NOTE: As the fold length from the rear end changes by the same amount when the fold length from the front end is adjusted, be sure to adjust the rear end after adjusting the front end.

4. Select [Close] to return to the [Finisher - Adjust Fold Position] screen.
5. On the [Finisher - Fold Position Adjustment] screen, select [Z Fold].
6. The [Z Fold] screen is displayed. The following settings items will appear.
 - A4 front end (First Fold)
 - A4 rear end (Second Fold)
 - 8.5 x 11" front end (First Fold)
 - 8.5 x 11" rear end (Second Fold)
7. Select the settings item to change.

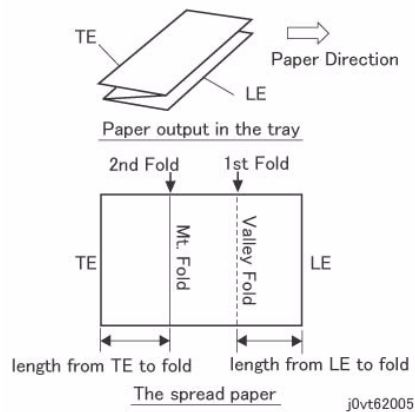


Figure 1 j0vt62005

8. Select [Change Settings]. Change the value of the settings item and select [Save].
9. On the [Finisher - Fold Position Adjustment] screen, select [Fold Position Printout].
On the [Fold Position Printout] screen, select the Fold function [Z Fold] and output a printout.

10. Check the fold length of the Z Fold position.
Select [Close] to return to the [Finisher - Adjust Fold Position] screen.

6.4.2.9.7 DC128 C Fold (Adjustment / Others/Finisher - Adjust Fold Position)

Purpose

To adjust the fold length of C Fold position for Booklet Folder.

NOTE: For details on the procedure, refer to ADJ 25.3.2 in Chapter 4 of the Finisher D2/D2P/D3/D4 Supplementary Manual.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Adjustment / Others].
2. On the [Adjustment / Others] screen, select [Finisher - Fold Position Adjustment].
3. On the [Finisher - Fold Position Adjustment] screen, select [Fold Position Printout].
On the [Fold Position Printout] screen, select the Fold function [C Fold] and output a printout.
Check the fold length of the C Fold position.

NOTE: The paper front end/rear end defines the Tray output state. Take note that when a C Folded paper is unfolded for viewing, the front edge/tail edge are reversed.

NOTE: As the fold length from the rear end changes by the same amount when the fold length from the front end is adjusted, be sure to adjust the rear end after adjusting the front end.

4. Select [Close] to return to the [Finisher - Adjust Fold Position] screen.
5. On the [Finisher - Fold Position Adjustment] screen, select [C Fold].
6. The [C Fold] screen is displayed. The following settings items will appear.
 - A4 rear end (First Fold)
 - A4 front end (Second Fold)
 - 8.5 x 11" rear end (First Fold)
 - 8.5 x 11" front end (Second Fold)
7. Select the settings item to change.

8. Select [Change Settings]. Change the value of the settings item and select [Save].
9. On the [Finisher - Fold Position Adjustment] screen, select [Fold Position Printout].
On the [Fold Position Printout] screen, select the Fold function [C Fold] and output a printout.
Check the fold length of the C Fold position.
10. Select [Close] to return to the [Finisher - Adjust Fold Position] screen.

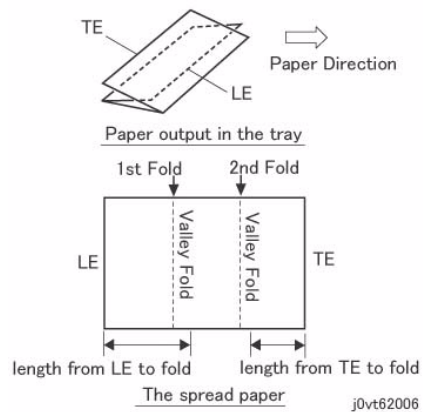


Figure 1 j0vt62006

6.4.2.10 DC131 NVM Read / Write (System Data)

Purpose

To refer to the NVM data and set/modify it.

NOTE: All the NVM data including the NVM for the Key Operator are accessible. However, Billing, Counterfeit Prevention, and Auditron Administration Password cannot be rewritten.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [NVM Read / Write].
2. Input the Chain-Link No. and select [Confirm / Change].
3. The [Current Value] and the [New Value] columns are displayed.

NOTE: E.g.) The machine does not accept [700-6] as an abbreviation of [700-006]. When a number starts with '0', the '0' must be entered.

4. Enter the value that you wish to change to into the [New Value] field using the Keypad and select [Save].

The entered value can be cleared using the [C] button.

NOTE: If the entered value is invalid, the following message is displayed.
[Incorrect value. Please re-enter.]

5. The entered number is displayed in the [Current Value] field.
6. Select [Close] to return to the [Maintenance / Diagnostics] screen.

6.4.2.11 DC132 Machine ID / Billing Data (Adjustment / Others)

Purpose

In order to reconcile the mismatch in Serial Number, Product Number, and Billing Data that occur between the MCU PWB and the ESS PWB after replacing either PWB, set the Serial Number, Product Number, and Billing Data of an unreplaced PWB into the new PWB.

DC132 can be performed when one of the following failures occurs:

- 124-130 (Product Number Failure: Not initialized)
- 124-311 (Serial Number Failure: Not initialized)
- 124-324 (Billing Data is mismatched at 3 locations)
- 124-325 (Billing Data is mismatched at 1 location)
- 124-312 (Any Product Number mismatched)
- 124-313 (Any Serial Number mismatched)

NOTE: The Serial Number, Product Number, and Billing Data are held at the following 3 locations respectively.

1. NVM PWB of MCU PWB
2. NVM PWB of ESS PWB
3. SEEP ROM of BP PWB

- The IOT displayed on the UI screen, namely, MCU PWB, SYS1, and SYS2, represent the BP PWB.

NOTE:

- This function can only be used when failure has occurred.
(This function is supposed to be available with the failure active.)
- When exiting the Service Mode after setting the Serial Number, the failure will be canceled.
(The Test Pattern Print is not available with the Fail active.)

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Adjustment / Others].
2. On the [Adjustment / Others] screen, select [Machine ID / Billing Data].
3. The [Machine ID / Billing Data] screen is displayed.
4. Follow the instructions on the screen, select the PWBA that was not replaced or the PWBA with the correct data and select [Start].
5. Enter the Serial Number and select [Confirm].
6. Select [Close] to return to the [Adjustment / Others] screen.

6.4.2.12 DC135 HFSI Counter (Adjustment / Others)

Purpose

Displays the Spec Life (threshold value) and the Current Value (usage status) of the periodic replacement parts. You can change the Spec Life and reset the Current Value.

The Job History can be used to record/check the previous 3 replacements.

NOTE: For details on the HFSI Counter Codes, refer to 6.3.4.1 in Chapter 6.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Adjustment / Others].
2. On the [Adjustment / Others] screen, select [HFSI Counter].
3. The [Initialize HFSI Counter] screen is displayed.
4. Select the parts to be replaced and select [Details].
5. The [Details] screen appears to display the [Chain-Link] and the [Part Name] of the parts to be replaced, as well as the [Spec Life], [Current Value], [Last Replacement], [Second Last Replacement], and [Third Last Replacement] counters.
6. If you want to reset the Current Value, select [Reset Current Value]. The [Reset Current Value] screen is displayed.
 - Following the message and selecting [Reset] will update the previous 3 replacement records in the HFSI Counter as follows.
 - (1) The [Second Last Replacement] value is moved to [Third Last Replacement].
 - (2) The [Last Replacement] value is moved to [Second Last Replacement].
 - (3) The [Current Value] value is moved to [Last Replacement].
 - (4) The [Current Value] value is set to '0'.
7. If you want to change the Spec Life, select [Change Spec Life].
The [Change Spec Life] screen is displayed.
8. Set the new Spec Life (Max. 8 digits) using the selection buttons or the keyboard and select [Save].
 - The [Spec Life] value is overwritten with the new [Spec Life] value.
9. Print and verify the HFSI Report as necessary.
10. Select [Close] to return to the [Adjustment / Others] screen.

6.4.2.13 DC140 Analog Monitor (IO Check)

Purpose

Monitors the Analog value of the A/D converted sensor, by operating the various component (such as C.C). You can temporarily change the output value.

NOTE: For details on the Analog Monitor Code, refer to 6.3.3.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [IO Check].
2. On the [IO Check] screen, select [Analog Monitor].
3. The [Analog Monitor] screen is displayed.
 - [Input / Output] field: Component type (Input / Output component)
 - [Enabled / Disabled] field: Operation states - Enabled (checking in progress), Disabled (checking stopped)
 - [Level] field: Displays the received output level value. (Level: 0 to 65535)
 - [Change Output Level] button: To temporarily change the output level of an Output component for checking purposes, input the component which output level you want to change. Select [Change Output Level], enter the value using either the Keypad on the screen or the arrow keys and select [Save].
 - [Enter Number] button: Refer to Step 4
 - [Show Current Status]: Refer to Step 4
4. Enter the Chain-Link No. of the analog Input/Output components using the Keypad.
 - To proceed with further operation, select [Enter Number] on the screen, enter the Chain-Link No., and press <Start>.

NOTE: The status of the latest turned ON component is displayed on the screen.

 - To check the status of a previously turned ON component, select [Enter Number], enter the Chain-Link No. of that component, and select [Show Current Status].
The status of the previously turned ON component is displayed.
5. Select [Close] to return to the [IO Check] screen.

6.4.2.14 Software Options

Purpose

Enter the software key (password) to enable the optional functions installed in the Device. (Can also be set up in the Machine Administrator Mode)

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Software Options].
2. On the [Software Options] screen, use [Keyboard] to enter the password of the software option.

NOTE: Software key (password) error will occur in the following situations.

- Input mistake
 - Mismatched model code and machine number
 - Issuance mistake (Wrong software key (password) number)
3. Select [Reboot].
 4. Select [Close] to return to the [Maintenance / Diagnostics] screen.

6.4.2.15 Delete All Data

Purpose

Deletes the data in the Hard Disk, ESS PWB NVRAM, and Backup RAM (User defined/registered information and information recorded automatically by the system). (Can also be set in the Machine Administrator Mode)

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Delete All Data].
2. The [Delete All Data] screen appears and displays a message.
3. Select [Start].
4. A confirmation message is displayed. Select [Yes].
5. The message: [Deleting data...] appears.
6. The message indicating the completion appears.
7. Select [Close] to return to the [Maintenance / Diagnostics] screen.

6.4.2.16 DC301 Initialize NVM

Purpose

To perform initialization for any NVM area.

NOTE: NVM Initialize does not initialize the settings for Billing Counter, M/C Serial Number, Market, HFSI, Shutdown History, and Jam/Fail Counter. The values of Shutdown History and Jam/Fail Counter are cleared when the [Exit (Clear Log)] is specified at Diag Exit.

The User settings, such as Registered Folder Data, User Managed Auditron, and various passwords can be deleted using KO Tool.

NOTE: Precautions during Initialize NVM

- [After initializing the NVM, take out the inspection sheet that comes with the machine and perform ATC Sensor Setup using the Sensor Sensitivity Comparison Table and the recorded ATC bar code value for individual colors via DC950. If this operation is not performed, the Toner Density Control will not be performed correctly and may cause image quality problems.]

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Initialize NVM].
2. The [Initialize NVM] screen is displayed.
3. Select the NVM area you wish to initialize.

Table 1 <NVM Area List>

NVM Area Item	Remarks
IOT	Initializes the IOT NVM-related data that can be set/adjusted. (Initialization includes Output Device)
Finisher	Initializes the IOT NVM-related data that can be set/adjusted in the Finisher. (Trimmer/Square Folder is included for Finisher D4)
IFM	Initializes the IFM NVM-related data that can be set/adjusted.
HCS	Initializes the HCS1 NVM-related data that can be set/adjusted.
IISS (IIT/IPS)	Initializes the IISS NVM-related data that can be set/adjusted. (Initialization includes Input Device and IISS-Extension)
IISS - Extension	Initializes the IISS NVM-related data that can be set/adjusted in Extension.
Input Device	Initializes the IISS NVM-related data that can be set/adjusted in DADF/CVT.
Sys-SYSTEM	Initializes the Sys-System NVM-related data that can be set in CE mode.
Sys-USER	Initializes the Sys-User NVM-related data that can be set by the User.

4. Select [Start].
5. Follow the message shown on the [Initialize NVM] screen and select [Yes] or [No].
6. Select [Close] to return to the [Maintenance / Diagnostics] screen.

6.4.2.17 DC330 Component Control (IO Check)

Purpose

Displays the logic state of Input Component input signals and operates the Output Components.

NOTE: For details on Component Control (Chain-Link No.) Code, refer to 6.3.1.1 and 6.3.2.1 in Chapter 6.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [IO Check].
2. On the [IO Check] screen, select [Component Control].
3. Enter the Chain-Link No. (6 digits) of the Input/Output components using the Keypad.

NOTE: E.g.) The machine does not accept [1-300] as an abbreviation of [001-300]. When a number starts with '0', the '0' must be entered.

4. Press <Start>. The component will start operating.
 - To proceed with further operation, select [Enter Number] on the screen, enter the Chain-Link No., and press <Start>.

NOTE: The status of the latest turned ON component is displayed on the screen.

- To check the status of a previously turned ON component, select [Enter Number], enter the Chain-Link No. of that component, and select [Show Current Status].
The status of the previously turned ON component is displayed.
 - If [Cyclic Motion] was selected for the component, it will repeat its operation.
5. [Input / Output] field (component type), [Status] field (Operation status: High/Low), and [Counter] field (Operation Count) are displayed on the [Component Control] screen.
 6. Select [Stop Current Component] or [Stop All Components] to stop the component operation.
 7. Select [Close] to return to the [IO Check] screen.

6.4.2.18 DC355 Hard Disk Failure Prediction Test (Sub System)

Purpose

To perform failure prediction test for the Hard Disk (HDD).

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Sub System].
2. On the [Sub System] screen, select [Hard Disk Failure Prediction Test].
3. The [Hard Disk Failure Prediction Test] screen is displayed.
4. Follow the instructions on the screen and select [Start].
5. The result is displayed on the [Hard Disk Failure Prediction Test] screen.
6. If the result is [NG], a Fault Code will be displayed.
Take action according to the message and select [Confirm].
7. Select [Close] to return to the [Sub System] screen.

6.4.2.19 DC355 Initialize Hard Disk

Purpose

To initialize the Hard Disk Partition A only.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Initialize Hard Disk].
2. Select [Partition A] and select [Start].
3. When the confirmation message is displayed, select [Yes].
Partition A of the Hard Disk is initialized.
4. When [Partition A has been initialized.] is displayed, select [Confirm].
5. Select [Close] to return to the [Maintenance / Diagnostics] screen.

6.4.2.20 DC362 Restore NVM Values

Purpose

1. To restore all NVM values for the UIT/IIT/DADF/etc. to their factory default values.
2. The stored NVM values can be checked using the NVM Setting Value List that comes with the Main Unit or by printing out a report. (Figure 1)

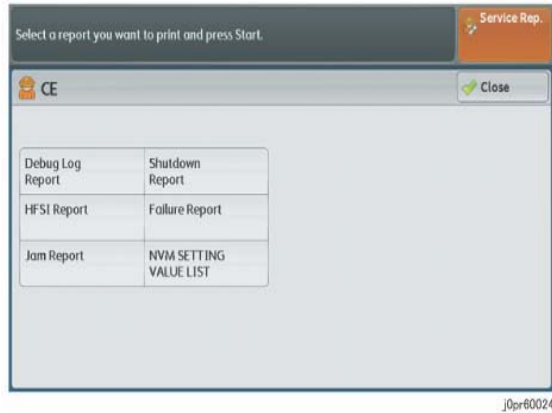


Figure 1 j0pr60024

*The factory default NVM values are stored in the NVM on the ESS PWB. Therefore, if this NVM had been replaced or initialized (NVM forced initialization by special booting [Energy Saver + Stop + 3] or [Energy Saver + Stop + 2]), restoration is not possible.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Restore NVM Values]. (Figure 2)

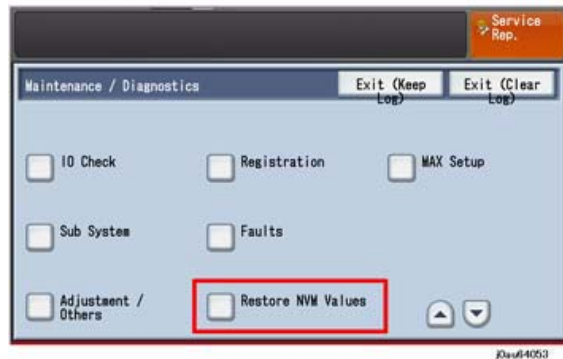


Figure 2 j0au64053

2. The message: [All adjusted NVM values will be restored to their factory defaults. The machine will reboot automatically. Do not power off the machine until the end of the restoration process and the default screen is displayed.] is displayed.
3. Select [Start].
4. The message: [Are you sure you want to restore the adjusted NVM values to their factory defaults?] is displayed.
5. Select [Yes].

6.4.2.21 DC527 ADF Independent Operation (Sub System)

Purpose

To check for any unusual noise by operating the document feeder independently.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Sub System].
2. On the [Sub System] screen, select [ADF Independent Operation].
3. The [ADF Independent Operation] screen is displayed.
4. Follow the message and set the document on the DADF. (Max 3 sheets)
5. Select [Start].
6. Follow the instructions on the screen and select [Confirm].
7. Select [Close] to return to the [Sub System] screen.

6.4.2.22 DC612 Print Test Pattern

Purpose

To print the Test Pattern that is stored in the machine for the checking of copy quality and isolating problems.

To perform No Paper Run.

NOTE: Perform this operation after verifying that there is enough paper loaded in the Tray to be used. (If No Paper condition occur during the execution, printing failure may occur on the paper that is being run. The paper being used here are not counted.)

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Print Test Pattern].
2. Set a Test Pattern Number. (Refer to 6.3.5 in Chapter 6)
3. Set Quantity, Paper Supply, Output Color, and Cin.
4. Press <Start>.
5. Select [Close] to return to the [Maintenance / Diagnostics] screen.

6.4.2.23 DC671 Registration Measuring Cycle (Registration)

Purpose

To measure the color registration for 4 colors and display the status by indicating OK/NG (Check or Adjustment).

This cycle performs the color registration measurement that includes the detection of AC component to determine the condition of AC control (Drum Drive, Belt Drive, and Belt Steering, etc), which is one of the color regi components.

- Performs registration measurement to determine the condition of the AC control.
- Checks that the Belt control etc. are operating normally.
- Measures/displays the amount of color shift relative to Black in the Fast Scan/Slow Scan direction.
- Displays the result of comparing OK/NG (Check or Adjustment) with the target value.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Registration].
2. On the [Registration] screen, select [Registration Measuring Cycle].
3. Press <Start>. [OK] or [NG] will be displayed in the [Result] field.
4. When [NG] (Check or Adjustment) is displayed, refer to the corresponding FIP and correct the problem.
If the result is NG for both AC/DC, fix the AC problem first.

6.4.2.24 DC673 Registration Control Sensor Check Cycle (Registration)

Purpose

To check if the misregistration detection system from the MOB Sensor is operating normally.

This is a self-diagnosis cycle to check that the detection system can operate properly. To verify that the detection result is [Zero Misregistration], the color shift amount is detected using CUI patch (Cyan monochromaticity) and the misregistration detected in the MOB sensor is displayed on the UI screen.

This detection result is compared again with the target value to determine the OK/NG (Check or Adjustment) result which will be displayed. Correction is not performed.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Registration].
2. On the [Registration] screen, select [Registration Control Sensor Check Cycle].
3. Press <Start>. The [Value] will be displayed along with [OK] or [NG].
4. When the measure value is larger than the target value by 10, NG (Check or Adjustment) is displayed.
When NG, check that Cyan is being printed and replace the MOB Sensor Assembly.
When Cyan is not being printed, repair the Marking accessories including the Deve.

6.4.2.25 DC675 Registration Control Setup Cycle (Registration)

Purpose

To set the most appropriate Regi Control correction value for skew etc. at the first execution when replacing the ROS etc. (details of the relevant parts will be described in the note below).

The Setup Cycle is made up of the following 2 functions.

Function 1: Performed right after assembling or during field installation, or when replacing a key part. Also, this is a Regi Control Full Cycle that can be performed in the Diag mode right after the NVM is initialized. Executing this function corrects the Color Registration into the predefined range. The corrected shift amount for each color is saved in the NVM and it is displayed at normal completion.

Function 2: On entering a setup cycle, the IOT does not start. The Regi Control shift correction amount is displayed automatically on the UI screen and is used as a tool for determining the cause when a failure occurs.

NOTE: This Diag is to be performed during the following. After performing this, 6.4.2.23 [DC671 Registration Measuring Cycle] must also be performed.

- Before performing DC126 System Registration Adjustment
- ROS replacement/detachment
- IBT Belt replacement/detachment
- Belt Module replacement/detachment (recommended)

NOTE: After the ROS is replaced, change the value of NVM [759-913] from '0' -> '1'. It will automatically revert to '0' after the Registration Control Setup Cycle. As the default value after an initialization is '1', perform the Registration Control Setup Cycle and end.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Registration].
2. On the [Registration] screen, select [Registration Control Setup Cycle].
3. Press <Start>.

The shift amount for each color is corrected automatically.

6.4.2.26 DC726 Measure Paper Path Timing (Registration)

Purpose

To measure the sensor passing timing during paper feed to check the dispersion of the IOT paper feed states, which can be used to diagnose for wear and failure in the feed system.

Operation Overview

1. Entering the [Timing Type] according to the instruction on the adjustment screen and selecting [Confirm] notifies the various measurement time [Normal Value], [Lower Limit], and [Upper Limit] for the paper path timing. (The measurement time means the time defined for measurement)
2. The machine will continuously feed the number of paper specified in [Print Quantity] and notify the Paper Path timing value at the specified measurement position for each completed measurement interval (for each sheet). (The values are not displayed in the UI one-by-one, but everything at once after the whole process has been completed)
3. After the specified number of sheets have been printed or [Stop] was selected to stop the operation, the UI screen displays the measurement times [Normal Value], [Lower Limit], and [Upper Limit] that were notified in Step 1., as well as the calculation result [Average Value], [Minimum Value], [Maximum Value], [Average +3 Sigma], and [Average -3 Sigma].

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Registration].
2. On the [Registration] screen, select [Measure Paper Path Timing].
3. The [Measure Paper Path Timing] screen is displayed.
4. Follow the instructions on the screen to input the [Timing Type] and select [Confirm].
For the Measure Paper Path Timing Measurement List, refer to Table 1.
5. The various measurement time [Normal Value], [Lower Limit], and [Upper Limit] are displayed.
6. To measure the Paper Path Timing, set the [Print Quantity] and [Paper Supply], and then press <Start>.
 - The [Print Quantity] can be set from 1 to 99 sheets.
 - For [Paper Supply], set a Tray (Trays 1 to 4, MSI, Tray 5 (HCF-MSI), Tray 6 (HCF1), or Tray 7 (HCF2)) that corresponds to the entered [Timing Type].
7. After the specified number of sheets have been printed, the measurement times [Normal Value], [Lower Limit], and [Upper Limit], as well as the calculation result [Average Value], [Minimum Value], [Maximum Value], [Average +3 Sigma], and [Average -3 Sigma] are displayed.
8. Select [Close] to return to the [Registration] screen.
 - Media Group-1 -> Uncoated/Paper weight 64-176 gsm
 - Media Group-2 -> Uncoated/Paper weight 177-256 gsm

Table 1

ID	Timing Type	Lower Limit	Nominal	Upper Limit
1	<Selection Tray 1>Tray 1 Feed Start >> Feed Out Snr 1 On <Media Group-1>	231	331	371
2	<Selection Tray 1>Tray 1 Feed Start >> Feed Out Snr 1 On <Media Group-2>	231	331	371

Table 1

ID	Timing Type	Lower Limit	Nominal	Upper Limit
3	<Selection Tray 2>Tray 2 Feed Start >> Feed Out Snr 2 On <Media Group-1>	241	341	381
4	<Selection Tray 2>Tray 2 Feed Start >> Feed Out Snr 2 On <Media Group-2>	241	341	381
5	<Selection Tray 3>Tray 3 Feed Start >> Feed Out Snr 3 On <Media Group-1>	241	341	381
6	<Selection Tray 3>Tray 3 Feed Start >> Feed Out Snr 3 On <Media Group-2>	241	341	381
7	<Selection Tray 3>Feed Feed Out Snr 3 On >> Feed Out Snr 2 On <Media Group-1>	134	164	194
8	<Selection Tray 3>Feed Feed Out Snr 3 On >> Feed Out Snr 2 On <Media Group-2>	134	164	194
9	<Selection Tray 2,3>Feed Feed Out Snr 2 On >> Feed Out Snr 1 On <Media Group-1>	124	154	184
10	<Selection Tray 2,3>Feed Feed Out Snr 2 On >> Feed Out Snr 1 On <Media Group-2>	124	154	184
11	<Selection Tray1-3,2000HCF>Feed Out Snr 1 On >> Pre Regi Snr On <Media Group-1>	141	171	201
12	<Selection Tray1-3,2000HCF>Feed Out Snr 1 On >> Pre Regi Snr On <Media Group-2>	141	171	201
13	<Selection MSI>MSI Feed Start >> MSI Pre Feed Snr On <Media Group-1>	0	205	341
14	<Selection MSI>MSI Pre Feed Snr On >> MSI Pre Regi Snr On <Media Group-1>	111	161	213
15	<Selection Any Tray>Dup Feed Start >> Pre Regi Snr On <Media Group-1>	91	161	231
16	<Selection Any Tray>Dup Feed Start >> Pre Regi Snr On <Media Group-2>	91	161	231
17	<Selection Any Tray>Pre Regi Snr On >> Regi In Snr On <Media Group-1>	245	285	385
18	<Selection Any Tray>Pre Regi Snr On >> Regi In Snr On <Media Group-2>	245	285	385
19	<Selection 2000HCF Tray6>Tray6 Feed Start >> Tray6 Feed Out Snr On <Media Group-1>	176	257	337
20	<Selection 2000HCF Tray6>Tray6 Feed Start >> Tray6 Feed Out Snr On <Media Group-2>	176	257	337
31	<Selection MSI>MSI Pre Reg Snr On >> Regi In Snr On <Media Group-1>	313	343	373
32	<Selection Any Tray>Regi Feed Start >> Regi Out Snr On <Media Group-1>	35	65	95
33	<Selection Any Tray>Regi Feed Start >> Regi Out Snr On <Media Group-2>	39	69	99

Table 1

ID	Timing Type	Lower Limit	Nominal	Upper Limit
34	<Selection Any Tray>Reg Out Snr On >> Fusing Exit Snr On <Media Group-1>	1013	1113	1213
35	<Selection Any Tray>Reg Out Snr On >> Fusing Exit Snr On <Media Group-2>	1391	1491	1591
36	<Selection 2000B1, 4000C1, 4000C2>MSI Pre Reg Snr On >> Regi In Snr On <Media Group-1>	230	265	354
37	<Selection 2000B1, 4000C1, 4000C2>MSI Pre Reg Snr On >> Regi In Snr On <Media Group-2>	230	265	354
38	<Selection HCF-MSI>MSI Pre Reg Snr On >> Regi In Snr On <Media Group-1>	211	241	271
39	<Selection Any Tray>Fusing Exit Snr On >> IOT Exit Snr On <Media Group-1>	572	602	632
40	<Selection Any Tray>Fusing Exit Snr On >> IOT Exit Snr On <Media Group-2>	866	896	926
41	<Selection Any Tray>Fusing Exit Snr On >> Inv In Snr On <Media Group-1>	365	395	425
42	<Selection Any Tray>Fusing Exit Snr On >> Inv In Snr On <Media Group-2>	512	542	572
43	<Selection Any Tray>Inv Feed Start >> IOT Exit Snr On <Media Group-1>	101	201	301
44	<Selection Any Tray>Inv Feed Start >> IOT Exit Snr On <Media Group-2>	101	201	301
45	<Selection Any Tray>Inv Feed Start >> Dup In Snr On <Media Group-1>	175	225	275
46	<Selection Any Tray>Inv Feed Start >> Dup In Snr On <Media Group-2>	175	225	275
47	<Selection Any Tray>Dup In Snr On >> Dup Out Snr On <Media Group-1>	702	732	762
48	<Selection Any Tray>Dup In Snr On >> Dup Out Snr On <Media Group-2>	702	732	762
53	<Selection 2000B1 MSI>HCF MSI Feed Start >> MSI Feed Out Snr On <Media Group-1>	186	352	534
54	<Selection 2000B1 MSI>MSI Feed Out Snr On >> HCF Exit Snr On <Media Group-1>	784	804	943
55	<Selection 2000B1 Tray6>Tray6 Feed Start >> Tray6 Feed Out Snr On <Media Group-1>	202	225	339
56	<Selection 2000B1 Tray6>Tray6 Feed Start >> Tray6 Feed Out Snr On <Media Group-2>	202	225	339
57	<Selection 2000B1 Tray6>Tray6 Feed Out Snr On >> HCF Exit Snr On <Media Group-1>	556	576	679
58	<Selection 2000B1 Tray6>Tray6 Feed Out Snr On >> HCF Exit Snr On <Media Group-2>	556	576	679

Table 1

ID	Timing Type	Lower Limit	Nominal	Upper Limit
59	<Selection 4000C1 MSI>HCF MSI Feed Start >> MSI Feed Out Snr On <Media Group-1>	183	367	537
	<Selection 4000C2 MSI>HCF MSI Feed Start >> MSI Feed Out Snr On <Media Group-1>	186	352	537
60	<Selection 4000C1 MSI>MSI Feed Out Snr On >> HCF Exit Snr On <Media Group-1>	621	805	975
	<Selection 4000C2 MSI>MSI Feed Out Snr On >> HCF Exit Snr On <Media Group-1>	784	807	943
61	<Selection 4000C1 Tray6>Tray6 Feed Start >> Tray6 Feed Out Snr On <Media Group-1>	150	202	300
	<Selection 4000C2 Tray6>Tray6 Feed Start >> Tray6 Feed Out Snr On <Media Group-1>	181	231	431
62	<Selection 4000C1 Tray6>Tray6 Feed Start >> Tray6 Feed Out Snr On <Media Group-2>	150	202	300
	<Selection 4000C2 Tray6>Tray6 Feed Start >> Tray6 Feed Out Snr On <Media Group-2>	181	231	431
63	<Selection 4000C1 Tray6>Tray6 Feed Out Snr On >> HCF Exit Snr On <Media Group-1>	570	620	669
	<Selection 4000C2 Tray6>Tray6 Feed Out Snr On >> HCF Exit Snr On <Media Group-1>	594	614	721
64	<Selection 4000C1 Tray6>Tray6 Feed Out Snr On >> HCF Exit Snr On <Media Group-2>	570	620	669
	<Selection 4000C2 Tray6>Tray6 Feed Out Snr On >> HCF Exit Snr On <Media Group-2>	594	614	721
65	<Selection 4000C1 Tray7>Tray7 Feed Start >> Tray7 Feed Out Snr On <Media Group-1>	150	202	300
	<Selection 4000C2 Tray7>Tray7 Feed Start >> Tray7 Feed Out Snr On <Media Group-1>	181	231	431
66	<Selection 4000C1 Tray7>Tray7 Feed Start >> Tray7 Feed Out Snr On <Media Group-2>	150	202	300
	<Selection 4000C2 Tray7>Tray7 Feed Start >> Tray7 Feed Out Snr On <Media Group-2>	181	231	431
67	<Selection 4000C1 Tray7>Tray7 Feed Out Snr On >> HCF Exit Snr On <Media Group-1>	531	582	631
	<Selection 4000C2 Tray7>Tray7 Feed Out Snr On >> HCF Exit Snr On <Media Group-1>	556	576	679
68	<Selection 4000C1 Tray7>Tray7 Feed Out Snr On >> HCF Exit Snr On <Media Group-2>	531	582	631
	<Selection 4000C2 Tray7>Tray7 Feed Out Snr On >> HCF Exit Snr On <Media Group-2>	556	576	679

6.4.2.27 DC740 Tray 5 Guide Adjustment (Registration)

Purpose

To check that the MSI Guide paper width detection is properly carried out.

NOTE: This adjustment is performed when the replacing the MSI Size Sensor and when a size detection error occurs.

NOTE: This procedure is also applicable to the MSI of the Main Unit and the MSI of the High Capacity Feeder.

Procedure

- On the [Maintenance / Diagnostics] screen, select [Registration].
- On the [Registration] screen, select [Tray 5 Guide Adjustment].
- The [Tray 5 Guide Adjustment] screen is displayed.
- Select [Minimum Size Position] or [Maximum Size Position].
- When [Minimum Size Position] is selected.
 - Follow the instructions on the screen and align the Paper Guides to the minimum size position.
 - Press <Start>.
 - If the sensor output value is within the specified range, [OK] will be displayed. At the same time, the NVM [742-154] MSI Side Guide Minimum Position data is changed.
 - If the sensor output value is out of the specified range, [NG] will be displayed. If [NG], check the guide position and try again.
- When [Maximum Size Position] is selected.
 - Follow the instructions on the screen and align the Paper Guides to the maximum size position.
 - Press <Start>.
 - If the sensor output value is within the specified range, [OK] will be displayed. At the same time, the NVM [742-155] MSI Side Guide Maximum Position data is changed.
 - If the sensor output value is out of the specified range, [NG] will be displayed. If [NG], check the guide position and try again.
- Select [Close] to return to the [Registration] screen.

6.4.2.28 DC750 IOT CIS Setup Cycle (MAX Setup)

Purpose

Performs the optimization of the parameter value for the CIS Edge Detection. Performs the optimization for the LED Power and saves the parameter values in the NVM during the M/C installation and the parts replacement. It also calculates the Shading Correction Coefficient at the optimized power value and saves the parameter values in the NVM. To isolate and investigate the cause of the error by displaying the setting value (or measured value) and the failure.

Operation Overview

1. The MC will notify the current values (NVM values) for the following parameters during the screen transition and the UI will display these current values.
2. The MC uses the UI operation instruction to calculate the Power Adjustment/Shading Correction Coefficients and notify the Value and Result/Error Type (if an error has occurred). The UI will then display the execution result (Value, Result/Error Type).

Table 1

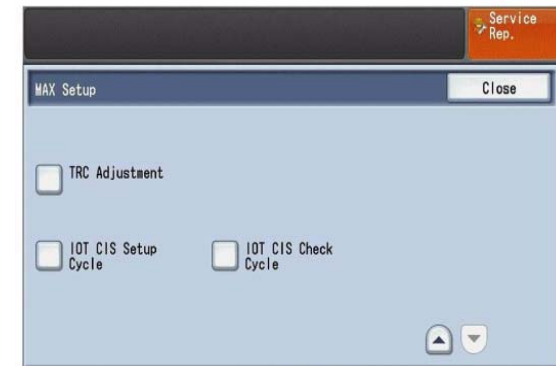
Item (Parameter Name)	Range	Display Unit	Current Value Display *1	Display value when Result is OK	Display value*2 when Result is OK/NG	Display value*3 when Result is NG/NG
Final Result of Power Adjustment	0 = OK, 1 = NG	-	-	0	0	0
Final Shading Coefficient Computation	0 = OK, 1 = NG	-	-	0	0	0
Power Adjustment Attempts	0 to 65535	1 time	0	0	0	0
LED Powered Current Value	0 to 255	0.4 mA	0	0	0	0
Standard Black Average Value	0 to 255	-	-	0	0	0
Standard White Average Value	0 to 255	-	-	0	0	0
Maximum Dynamic Range	0 to 255	0.01V	-	0	0	-
Fault Code when Result is NG	-	-	-	-	0	0

- *1: The current value is the measured value from the previous [OK]
- *2: The Power Adjustment is [OK] but the Shading is [NG]
- *3: When both are [NG] (there is no combination of [OK] and [NG])

NOTE: When replacing the CIS or Regi Assy, make sure that you return the NVM [742-466] (Power Adjustment Attempts) to '0' beforehand.

Procedure

1. Enter the Diag Mode and perform DC330 Output Component: 077-031 to release the Regi Roll. (Usual state: released)
2. Enter DC750.
Select [IOT CIS Setup Cycle] by the following steps.
 - (1) Press and hold the <0> key for 5 seconds or longer and then press <Start> while keeping your finger on the <0> key.
 - (2) Enter the password [6.7.8.9] and select [Confirm].
 - (3) Select [Tools] on the Control Panel.
 - (4) Select the [System Settings] tab on the Touch Panel.
 - (5) Select [Common Service Settings].
 - (6) Select [Maintenance / Diagnostics].
 - (7) Select [MAX Setup]. (Figure 1)



j0mh64003

Figure 1 j0mh64003

- (8) Select [IOT CIS Setup Cycle]. (Figure 2)



Figure 2 j0au64028

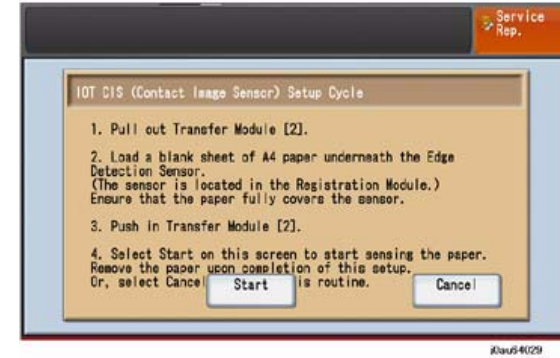


Figure 4 j0au64029

(9) Load the paper in the Regi section. (Figure 3)

NOTE: Although a Jam is displayed, select [Close] to clear the display and continue.

NOTE: When loading the paper, load the A4 paper such that it covers the whole scan surface under the Edge Scan Sensor in the Registration Unit.

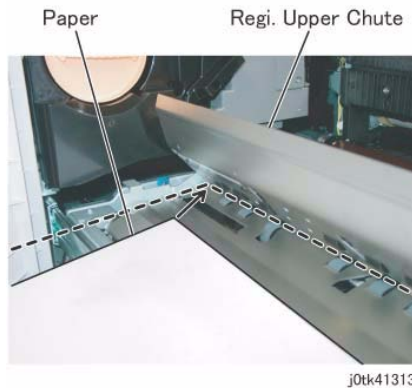


Figure 3 j0tk41313

(10) Perform DC330 Output Component: 077-032 to nip the Regi Roll.

(11) Select [Start], follow the instructions on the screen to perform operations, and then select [Yes].

(Figure 4)

(12) After the [In progress...] screen appears, the [Value] and [Result] will be displayed. (Figure 5)



Figure 5 j0au64030

(13) After the setup has completed, perform DC330 : 077-031 to release the Regi Roll.

6.4.2.29 DC751 IOT CIS Check Cycle (MAX Setup)

(7) Select [MAX Setup]. (Figure 1)

Purpose

Performs checking for the edge detection function.

This cycles to check if the detection system is operating normally.

Operation Overview

1. The MC will notify the current values (NVM values) for the following parameters during the screen transition and the UI will display these current values.
2. The MC uses the UI operation instruction to perform edge detection and notify the Value and Result/ Error Type (if an error has occurred). The UI will then display the execution result (Value, Result/ Error Type).

Table 1

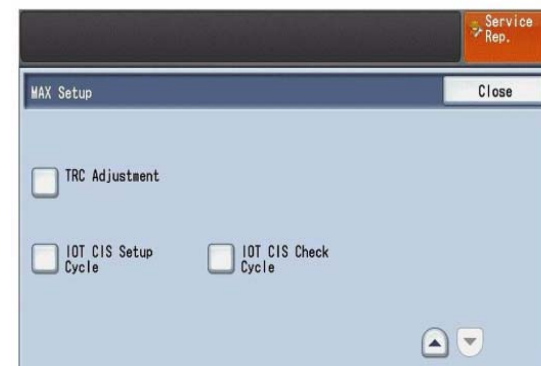
Item (Parameter Name)	Range	Display Unit	Current Value Display	Display value when Result is OK	Display value when Result is NG
Final Result of Check Cycle	0 = OK, 1 = NG	-	-	0	0
Paper Edge Position (Average Value)	0 to 65535	0.01 mm	-	0*1	-
Paper Edge Position	0 to 65535	0.01 mm	-	0*2	0*3
Detected Edge Value	0 to 65535	-	-	0*2	0*3
Detected Edge Value (After Adjustment)	0 to 65535	-	-	0*2	0*3
Detected Edge Threshold Value	0 to 65535	-	-	0*2	0*3
Fault Code when Result is NG	-	-	-	-	0

- *1: Average value of 16 lines
- *2: Data of 1st line
- *3: Data of NG line

NOTE: For details on the procedure, refer to ADJ 18.3.1.

Procedure

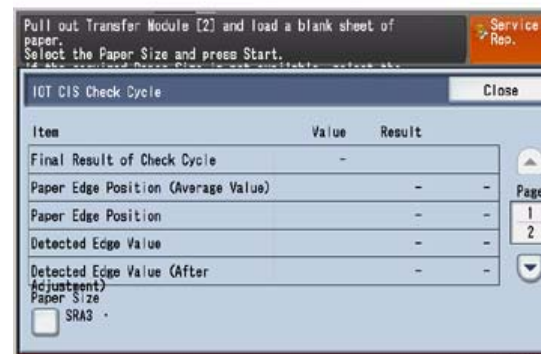
1. Enter DC751.
 - Switch to the CE mode and select [IOT CIS Check Cycle] by the following steps.
 - (1) Press and hold the <0> key for 5 seconds or longer and then press <Start> while keeping your finger on the <0> key.
 - (2) Enter the password [6.7.8.9] and select [Confirm].
 - (3) Select [Tools] on the Control Panel.
 - (4) Select the [System Settings] tab on the Touch Panel.
 - (5) Select [Common Service Settings].
 - (6) Select [Maintenance / Diagnostics].



j0mh64003

Figure 1 j0mh64003

(8) Select [IOT CIS Check Cycle]. (Figure 2) (Figure 3)



03au64031

Figure 2 j0au64031

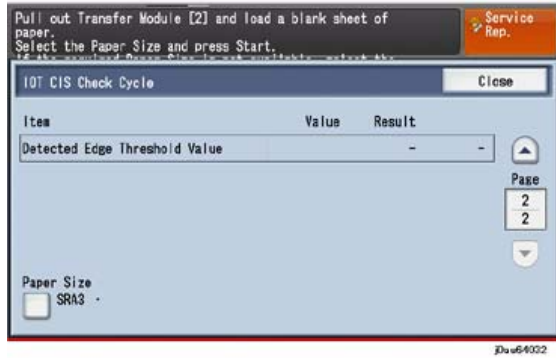


Figure 3 j0au64032

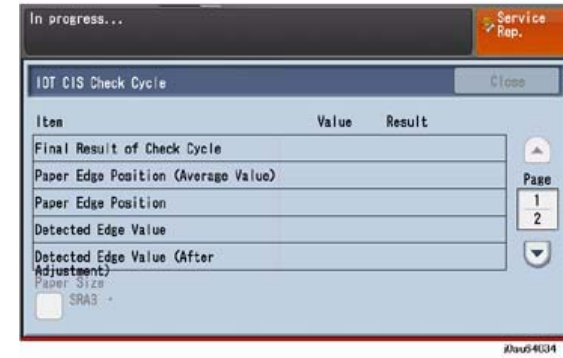


Figure 5 j0au64034

(9) Follow the instructions on the screen to perform operations, then select [Yes]. (Figure 4)

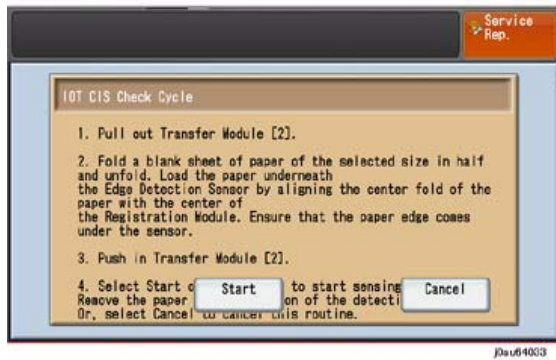


Figure 4 j0au64033

(10) After the [In progress...] screen appears, the [Value] and [Result] will be displayed. (Figure 5)

6.4.2.30 DC919 Color Balance Adjustment (MAX Setup)

Purpose

To perform fine adjustment of the center value of the low density/medium density/high density output balance for each color Y, M, C and K (Black) for copy images.

The center of color adjustment in Customer Mode will be changed by this setup.

- This adjustment is only applicable to the copy function.
- Perform this adjustment only when requested by the customer.

Operation Content

1. To select the color balance adjustment value from -4 to +4 (9 levels) for the respective low density, middle density, and high density outputs of each Y, M, C, K (Black) color. '0' is the default value. The image can be lightened (lower density) from -1 to -4 or darkened (higher density) from +1 to +4.
2. Image adjustment is carried out in the TRC section of the IIT/IPS according to the set value.
3. Keep the set value as the NVM of the IISS.
4. When the Output Color is [BW], the adjustment value for [K] becomes effective.
5. Selecting [Copy] on the PSW Diag screen outputs a copy that can be used for checking. The aim is to perform visual check on the adjustment level.
6. The Output Color for the output mode of the copy for checking is fixed to [FC] but the Tray is selectable.

The MSI, however, cannot be selected. The Paper Type and Size follows the selected Tray.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
2. On the [MAX Setup] screen, select [Color Balance Adjustment].
3. On the [Color Balance Adjustment] screen, change the respective low density, medium density, and high density values of each Y, M, C and K (Black) color within the range of -4 to +4 and select [Start], then work towards obtaining the customer's required image quality by making copies to visually check the image quality.

6.4.2.31 DC924 TRC Adjustment (MAX Setup)

Purpose

Manual Density Adjustment. Manually sets the offset amount of the ADC-LUT created by the ADC patch and finely adjusts the gradation.

NOTE: When performing this adjustment, make sure that there is no problem with the IOT. After performing the auto gradation adjustment, only perform adjustment for density, especially highlight or central gradation when necessary.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
2. On the [MAX Setup] screen, select [TRC Adjustment].
3. On the [TRC Adjustment] screen, change the low density, medium density, and high density output of K (Black) value within the range of -128 to +127 and select [Start], then work towards obtaining the customer's required image quality by making copies to visually check the image quality.
4. Select the [Target] from the following:
 - None
 - Copy Jobs Only
 - Copy & Print Jobs

NOTE: For details on the procedure, refer to ADJ 18.1.9 in Chapter 4.

6.4.2.32 DC931 In/Out Manual Setup (MAX Setup)

Purpose

By adjusting the IN-OUT direction of the ROS light exposure amount (MC rear-front), the IN-OUT uneven density of each of the colors YMCK is corrected independently.

NOTE: There are usually no problems adjusting in Primary Color, but even if the uneven density is corrected for each individual color by the status, environment and machine difference of the MC image developing unit, the RGB and Gray for Secondary/Process Color may not necessarily be corrected in equivalence. In this case, it is possible to specifically adjust the uneven density for RGB or the specified color the customer wishes to adjust.

However, as the unevenness in density for each Single Color for YMCK may worsen instead in this case, be sure to check the Primary Color after Secondary/Process Color adjustment and adjust the density to the customer's desired level.

Primary Colors are Y, M, C, and K; Secondary Colors are R, B, and G, which are printed with 2 of the colors Y, M, and C; Process Color is gray color printed with all 3 colors Y, M, and C.

NOTE: Although the standard Test Pattern density (Cin) is Low: 20% and Mid: 60%, if it differs from the customer's preferred density, change the Cin within the image when performing this.

NOTE: For details on the procedure, refer to ADJ 18.1.10 in Chapter 4.

Procedure

<Primary, Secondary/Process Color Rough Adjustment Procedure>

1. Load A3 paper into Tray 1.
2. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
3. On the [MAX Setup] screen, select [In/Out Manual Setup].
4. On the top right part of [In/Out Manual Setup] screen, select the color to print from PG Print [Primary Color], [Secondary / Process Color], or [Single Color].
5. Select [Print].
 - The Test Pattern selected from [Primary Color], [Secondary / Process Color], or [Single Color] is output.
6. Check the Test Pattern that was output.
7. Select the color to correct by using [Color Adjustment] at the left of the screen and then perform the adjustment by using [Form Adjustment] and [Position Adjustment] at the center of the screen.

6.4.2.33 DC938 Procon On / Off Print (MAX Setup)

Purpose

The DC938 Procon On / Off Print consists of the following 2 types.

- Procon "On" Print:

This is a Print mode that uses the current Procon Data with the Procon (Process Control) Soft enabled and the TRC Adjustment enabled.
- Procon "Off" Print:

This is a Print mode that uses only the features possessed by the IOT and with the Procon, etc. all turned OFF.

By comparing the above 2 modes, it is possible to identify whether the current print image quality is being affected by an image quality failure at the Procon, etc. or an image quality failure due to the status of the IOT elements.

NOTE: For details on the procedure, refer to ADJ 18.1.11 in Chapter 4.

[Procon "On" Print]

Procedure

1. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
2. On the [MAX Setup] screen, select [Procon On / Off Print].
3. On the [Procon On / Off Print], select [Procon "On" Print].
4. Load A3 paper into Tray 1 and press <Start>.
 - 1 sheet of the built-in PG [Pcon PG 200C] is output and the execution result is displayed.
5. Check the image quality of the print in Procon ON status with the data displayed in image quality.

[Procon "Off" Print]

Procedure

1. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
2. On the [MAX Setup] screen, select [Procon On / Off Print].
3. On the [Procon On / Off Print], select [Procon "Off" Print].
4. Load A3 paper into Tray 1 and press <Start>.
 - 1 sheet of the built-in PG [Pcon PG 200C] is output and the execution result is displayed.

6.4.2.34.1 DC945 White Reference Adjustment (MAX Setup/IIT Calibration)

Purpose

To perform automatic correction for IIT White Sensitivity Level and Gray Balance.

NOTE: Perform this when there are smears and gray contamination etc. of the IIT.

NOTE: This adjustment is to be performed at shipment and after replacing the Platen Glass, Lamp, Lens Unit, or CCD.

NOTE: For details on the procedure, refer to ADJ 1.1.5 in Chapter 4.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
2. On the [MAX Setup] screen, select [IIT Calibration].
3. On the [IIT Calibration] screen, select [White Reference Adjustment].
4. Follow the instructions on the screen and press <Start>. (Load 10 or more sheets of blank A3 or 11x17" paper on the Platen)

NOTE: Change the value of DC131 [715-106] to match the paper used. The default setting is 3: C2 paper.

NOTE: The machine carries out the following operations during the execution.

- (1) Performs shading to stabilize the IIT state.
 - (2) Obtains the shading data.
 - (3) Performs sampling of white paper data to calculate and set the White Reference Correction Coefficient. (Written into NVM 715-092 to 096)
 - (4) Performs shading to reflect the result after the White Reference Adjustment.
5. The following measured values are displayed on the screen after the White Reference Adjustment is performed.

When completed with error, the message: [Calibration has been completed with an error.] is displayed.

- BW-X (W-Ref Correction Coefficient BW-X)
 - BW-Y (W-Ref Correction Coefficient BW-Y)
 - R (W-Ref Correction Coefficient BW-Red)
 - G (W-Ref Correction Coefficient BW-Green)
 - B (W-Ref Correction Coefficient BW-Blue)
6. Select [Close] to return to the [IIT Calibration] screen.

6.4.2.34.2 DC945 CCD Calibration (MAX Setup/IIT Calibration)

Purpose

To perform automatic correction for the CCD Color Sensitivity Dispersion.

NOTE: Perform this when the yellow component of the image looks abnormal.

NOTE: This adjustment is to be performed at shipment and after replacing the Platen Glass, Lamp, Lens Unit, or CCD. Also, perform this after performing the White Reference Adjustment.

NOTE: For details on the procedure, refer to ADJ 1.1.5 in Chapter 4.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
2. On the [MAX Setup] screen, select [IIT Calibration].
3. On the [IIT Calibration] screen, select [CCD Calibration].
4. Follow the instructions on the screen, place the chart (STP5001, 499T 00276) on the Platen, and then press <Start>.
5. The following obtained data are displayed on the screen after the execution.
 - b* Correction Coefficient
 - b* Patch Measured Value
 - b* Standard Value
 - Result
 - Reflection Ratio of each color (Y, M, C, K)
 - Reflection Ratio Result
6. [OK] or [NG] will be displayed in the [Result] field.
When completed with error, the message: [Calibration has been completed with an error.] is displayed.
7. Select [Close] to return to the [IIT Calibration] screen.

6.4.2.34.3 DC945 Optical Axis Correction (MAX Setup/IIT Calibration)

Purpose

To automatically measure and adjust the skew for Platen and Side Regi.

NOTE: Perform this when something is clearly wrong with the skew of Platen Regi.

NOTE: Perform this adjustment after replacing the Lens Unit or CCD.

NOTE: For details on the procedure, refer to ADJ 1.1.5 in Chapter 4.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
2. On the [MAX Setup] screen, select [IIT Calibration].
3. On the [IIT Calibration] screen, select [Optical Axis Correction].
4. Follow the instructions on the screen and press <Start>. Open the Platen Cover, make sure there is nothing on the glass, and then execute.
5. The following data are displayed on the screen after the execution.
 - Result: OK/NG
 - Front NUT Correction Angle: numeric display
 - Rear NUT Correction Angle: numeric display
6. If [NG], perform the necessary adjustment. (Refer to ADJ 1.1.5 in Chapter 4)
7. Select [Close] to return to the [IIT Calibration] screen.

6.4.2.34.4 DC945 Side 2 Shading Correction (MAX Setup/IIT Calibration)

Purpose

To retrieve the Shading Data of the White Reference Sheet (Jig) for the Side 2 Color CIS to check all pixel outputs, determine existence of dust, and display the result.

NOTE: This correction is performed when Side 2 color image quality is deteriorated, and when black lines appear in the slow scan direction.

NOTE: This adjustment is to be performed at shipment and after replacing the Color CIS or DADF Assembly.

NOTE: Before performing this correction, remove the White Reference Sheet (Jig) from the specified storage location. Clean the White Reference Sheet and the Side 2 Color CIS Glass so that they are free of dirt and dust, and then load the White Reference Sheet on the DADF.

NOTE: For details on the procedure, refer to ADJ 1.1.5 in Chapter 4.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
2. On the [MAX Setup] screen, select [IIT Calibration].
3. On the [IIT Calibration] screen, select [Side 2 Shading Correction].
4. Follow the instructions on the screen and press <Start>.
 - After scanning is complete, [OK] or [NG] will be displayed in the [Result] field. When completed with error, the message: [Calibration has been completed with an error.] is displayed.
 - When [NG] is displayed, clean the White Reference Sheet and the Side 2 Color CIS Glass again and repeat the Side 2 Shading Correction.
5. Select [Close] to return to the [IIT Calibration] screen.
6. Be sure to turn the power OFF and ON after the Side 2 Shading Correction has completed.

6.4.2.34.5 DC945 White Reference Adjustment - Side 2 (MAX Setup/IIT Calibration)

Purpose

To calculate the reflective ratio dispersion correction value of the White Reference Sheet for Side 2 Color CIS and set the Side 2 Color CIS White Reference Coefficient.

NOTE: This adjustment is to be performed at shipment and after replacing the Color CIS or DADF Assembly.

NOTE: For details on the procedure, refer to ADJ 1.1.5 in Chapter 4.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
2. On the [MAX Setup] screen, select [IIT Calibration].
3. On the [IIT Calibration] screen, select [White Reference Adjustment - Side 2].
4. Load one sheet of new blank paper (A3 or 11x17") on the DADF and press <Start>.

NOTE: Change the value of DC131 [716-131] to match the paper used. The default setting is 3: C2 paper.

5. The following obtained data are displayed on the screen after the execution.
If it has completed with error, the RGB setting values will be blank.
 - R (W-Ref Correction Coefficient Red)
 - G (W-Ref Correction Coefficient Green)
 - B (W-Ref Correction Coefficient Blue)
6. Select [Close] to return to the [IIT Calibration] screen.
7. Be sure to turn the power OFF and ON after White Reference Adjustment - Side 2 has completed.

6.4.2.34.6 DC945 CCD Calibration - Side 2 (MAX Setup/IIT Calibration)

Purpose

Performs read color correction of the Side 2 Color CIS. (Color CIS dispersion correction)

NOTE: This adjustment is to be performed at shipment and after replacing the Color CIS or DADF Assembly. Also [CCD Calibration - Side 2] is to be performed after performing the [Side 2 Shading Correction] and the [White Reference Adjustment - Side 2].

NOTE: For details on the procedure, refer to ADJ 1.1.5 in Chapter 4.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
2. On the [MAX Setup] screen, select [IIT Calibration].
3. On the [IIT Calibration] screen, select [CCD Calibration - Side 2].
4. Load the Color Chart (499T 00276) on the DADF and press <Start>.
5. The following obtained data are displayed on the screen after the execution.
 - b* Correction Coefficient
 - b* Patch Measured Value
 - b* Standard Value
 - Result
 - Reflection Ratio of each color (Y, M, C, K)
 - Reflection Ratio Result
6. [OK] or [NG] will be displayed in the [Result] field.
When completed with error, the message: [Calibration has been completed with an error.] is displayed.
If [NG] is displayed, clean the Side 2 Color CCD and repeat the CCD Calibration - Side 2.
7. Select [Close] to return to the [IIT Calibration] screen.
8. Be sure to turn the power OFF and ON after CCD Calibration - Side 2 has completed.

6.4.2.35 DC950 ATC Sensor Setup (MAX Setup)

Purpose

To acquire the sensitivity correction values [Correction Coefficient] and [Correction Offset] for adjusting the ATC sensor output from the bar code numbers which display the sensitivity attribute in every ATC Sensor. The bar code numbers are set in NVM [Bar Code Number] manually from this adjustment screen.

When this adjustment is required:

- During replacement of Developer Housing Assembly (If the replacement is only for the developing powder, this process is not required)
- ATC Sensor replacement

Operation Overview

- Upon entering the adjustment screen, the NVM values [Bar Code Number], [Correction Coefficient], and [Correction Offset] for each of the colors [Y], [M], [C], and [K] will be displayed.
- The [Bar Code Number] value displayed on the adjustment screen can be rewritten with the Keypad.
- Pressing <Start> updates the NVM [Bar Code Number], [Correction Coefficient], and [Correction Offset] for each of the colors [Y], [M], [C], and [K] after the calculation based on the [Bar Code Number] value displayed on the screen at that time. The [Correction Coefficient] and [Correction Offset] screen displays will also be updated at the same time.

NOTE: For details on the procedure, refer to ADJ 18.1.12 in Chapter 4.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
2. On the [MAX Setup] screen, select [ATC Sensor Setup].
3. Use the selection buttons to input the number that is recorded on the replacement Sensor into the [Bar Code Number] field on the screen.
4. Follow the instructions on the screen and press <Start>.
5. Check that the [Correction Coefficient] and [Correction Offset] have changed.
6. Select [Close] to return to the [MAX Setup] screen.

6.4.2.36 DC956 Belt Edge Learn (Sub System)

Purpose

Input the form of the Belt end into the memory of the machine to print in alignment with the form of the Belt.

Creates an Edge Profile Table (table for performing Belt Walk control) in order to set the Edge Learn mode at factory shipment or during the replacement of Belt system component (IBT Belt, Edge Sensor).

This adjustment is required during:

- Developer Housing Assy replacement
- ATC Sensor replacement

NOTE: After performing DC675 Regi Control Setup Cycle, make sure to perform this Diag and it must be completed successfully.

NOTE: Processing time: Max. approx. 100 s (13 Belt cycles)

NOTE: For details on the procedure, refer to ADJ 18.1.13 in Chapter 4.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Sub System].
2. On the [Sub System] screen, select [Belt Edge Learn].
3. The [Belt Edge Learn] screen is displayed.
4. Press <Start> to execute.
Press <Stop> to stop.
5. Select [Close] to return to the [Sub System] screen.

6.4.2.37 DC991 Adjust Toner Density (MAX Setup)

Purpose

- To automatically or manually adjust the toner density in the Developer Housing Assy with Tone Up and Tone Down.

This adjustment becomes necessary in the following cases:

- The difference between the current ATC Target Value and Measured Value is large (20 bit or higher)
- When you want to change the toner density intentionally

<Automatic Adjustment Mode>

- Uses the ATC Sensor to automatically adjust the toner density to approach the TC Target Value.
- As automatic adjustment cannot be performed when ATC Average Fail or ATC Amplitude Fail has occurred, the automatic adjustment is not possible when the ATC Sensor item displays NG (perform manual adjustment when NG).

NOTE: Although the difference between the TC Target Value and Measured TC Value is aimed to be around +/-20 (* there are cases where this is slightly larger than +/-20), if the Measured TC Value diverges largely from the TC Target Value before the automatic adjustment, the process might end without it being reduced to within the +/-20 range. In such cases, the automatic adjustment must be performed again. If multiple automatic adjustments had been performed and it is still not within the +/-20 range, it is highly likely that an error, such as a failure at the Toner Supply section, has occurred. The ATC Sensor item does not enter the NG state, such as due to a failure at the Toner Supply section, based solely on the ATC Average Fail or ATC Amplitude Fail judgment. Furthermore, as the process can complete successfully even when the difference between the TC Target Value and Measured TC Value is not within the +/-20 range, to find out whether the adjustment had actually brought it closer to the TC Target Value, check by comparing the Measured TC Value with the TC Target Value.

<Manual Adjustment Mode>

- Set the [Number of Sheets] that is required for the Tone Up / Down at the UI and manually supply the toner to change the toner density in the Developer Housing Assy that is being used up.

Operation Overview

Mode for performing Tone Up and Tone Down.

Table 1

Item	Operation Overview
Tone Up	No paper feed. Supplies toner at specified time.
Tone Down	No paper feed. Stops toner supply.

Machine operation:

- For XERO/DEVE, this is the same as the case for normal images. Xfer2nd Retract, Output OFF. Output is also OFF for 1st.

Follow Diag No Paper Mode for Jam detection etc.

- During the operation, the V-Transport is stopped and the Fusing Unit cannot be driven.
-> Considered as Standby status (no rotation, and the temperature is controlled in the same way as in Standby)
- After No Paper Run of the number of sheets specified above, Cycle Down is carried out after X'fer 2nd Contact and Belt 2 rotation. The Developer Housing Assy is also rotated during this period (remove blank paper and perform mixing during this period)

Procon operation:

- Toner supply control settings are as follows and does not follow the settings in Customer mode. After the operation, the Customer mode settings are restored.
- Potential Control, ADC Gradation Control and Auto Gradation Control are the same as in Customer mode settings.

Toner supply control:

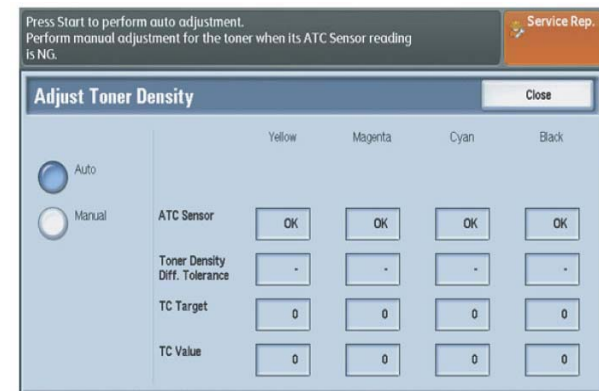
- Operates automatically or manually according to Up and Down settings for each color.

Procedure

Automatic adjustment

- On the [Maintenance / Diagnostics] screen, select [MAX Setup].
- On the [MAX Setup] screen, select [Adjust Toner Density].
- The various NVM values of ATC Sensor ([OK]/[NG]), TC Target, and TC Value are read and displayed for each of the colors [Y], [M], [C], and [K]. (Figure 1)

NOTE: If any of the ATC Sensor displays [NG], perform manual adjustment.



j0pr60020

Figure 1 j0pr60020

- Select [Auto] and press <Start>.

5. After the automatic adjustment has completed, the various NVM values of TC Target, and TC Value are read again and displayed for each of the colors [Y], [M], [C], and [K].
6. The message: [Diagnostic routine completed successfully.] is displayed. If the difference between [TC Value] and [TC Target] has narrowed to be within the +/-20 range, select [Confirm] to end.
7. When the machine operation has completed, return the Number of Sheets to '0'. The various NVM values of ATC Target Value, ATC Measured Value, and Toner Density Difference Tolerance Range are updated and displayed as the [TC Target], [TC Value], and [Toner Density Diff. Tolerance] for each of the colors [Y], [M], [C], and [K].
8. Check the image quality and repeat the procedure until you obtain the appropriate density.
9. Select [Close] to return to the [MAX Setup] screen.

Manual adjustment

1. On the [Maintenance / Diagnostics] screen, select [MAX Setup].
2. On the [MAX Setup] screen, select [Adjust Toner Density].
3. Select [Manual].
4. The various NVM values of [TC Target], [TC Value], and [Toner Density Diff. Tolerance] are read and displayed for each of the colors [Y], [M], [C], and [K]. The [Number of Sheets] display '0'. (Figure 1)

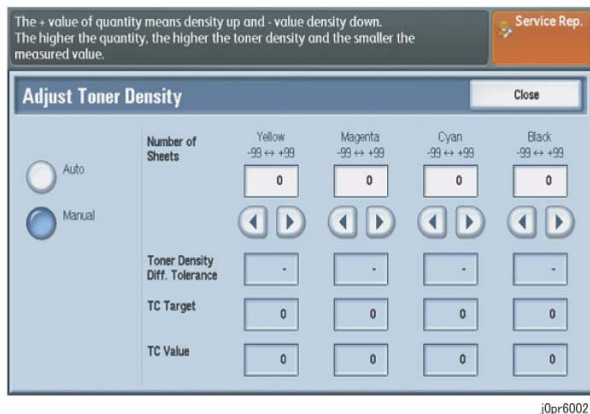


Figure 2 j0pr60021

5. Follow the instructions on the screen and set the [Number of Sheets] (-99 to +99) that is required for Tone Up / Tone Down.
(+) means Tone Up while (-) means Tone Down. Tone Up increases toner density and decreases the measured value.
NOTE: The operation will use the equivalent number of sheets for Max [Maximum number of Down sheets in the 4 colors, Maximum number of Up sheets in the 4 colors]. In fact, as the IOT only operates up to the equivalent of the max A4 L 60 sheets, even if a value of 60 or higher is set from the UI, operation will be by that of 60 sheets.
6. Pressing <Start> operates the machine to Tone Up or Tone Down by the specified number of sheets

6.4.2.38 Back Up Files / Restore Files

Purpose

The Back Up Files / Restore Files feature is provided so that the machine can be restored to its operational state at the point when it was backed up in case its operation has become unstable, etc.

The backup can be stored in the machine built-in Hard Disk or in a USB memory (service tool).

NOTE: For details on the procedure, refer to ADJ 18.2.2 in Chapter 4.

Preparation

- Before performing backup into a USB memory, create a folder named "backup" in the USB memory.
- Make sure you print the Configuration Report before performing the operation.

Table 1 Data that can be backed up

Data list	When backing up to Hard Disk	When backing up to USB Memory
Firmware download file	<input type="radio"/>	<input type="radio"/>
ESS NVRAM	<input type="radio"/>	<input type="radio"/>
Hard Disk resource area	<input type="radio"/>	<input checked="" type="radio"/>
Hard Disk folder area	<input type="radio"/>	Only for machines with Hard Disk. Document data is excluded.
Hard Disk management information area	<input type="radio"/>	Only for machines with Hard Disk.

Procedure

1. Turn OFF the machine and disconnect the Network Cable and Telephone Line that are connected to the machine.
2. The following Steps will differ depending on the File Storage Location.
 [When backing up to Hard Disk] Turn ON the power and enter the UI Diag and select [Back Up Files / Restore Files].
 [When backing up to USB Memory] Connect the USB, turn ON the power, and enter the UI Diag and select [Back Up Files / Restore Files].
3. The following icons will appear.
 - Back Up Files
 - Hard Disk
 - USB Memory
 - Restore Backed Up Files
 - Hard Disk
 - USB Memory
 - Delete Backed Up Files
 - Hard Disk
 - USB Memory

[[Backing Up Files]

1. Select the [Back Up Files] icon, select [Hard Disk] or [USB Memory], and select [Start].

Table 2

Option	Process detail
When Hard Disk is selected	Data is backed up into the log image area in the Hard Disk.
When USB Memory is selected (for machines with Hard Disk)	A backup file is created in the backup area of the Hard Disk and the Firmware is encrypted and stored in a folder named [backup] in the USB Memory.
When USB Memory is selected (for machines without Hard Disk)	The Firmware is encrypted and stored in a folder named [backup] in the USB Memory.

The file name when saving to the USB Memory is defined as follows.

"BACKUP_" + "Product Code" + "_" + "Serial Number" + "_" + "ymmddhhmm" + ".AES".
 E.g.) BACKUP_NC100229_185123_0610031651.AES

[[Restoring Backed Up Files]

1. Select the [Restore Backed Up Files] icon, select [Hard Disk] or [USB Memory], and select [Start].
NOTE: (1) If the Hard Disk does not contain any backup file, the restore instruction will result in error.
 (2) When the backup file and the serial number do not match (the restore was not performed for the same machine), it will result in error.
 (3) When the [backup] folder of the USB Memory contains multiple backup files, the latest backup file (based on the file name) will be used in the restoration.
 (4) When backup files can be found in both the USB Memory and the Hard Disk, those in the USB Memory will have a higher priority to be used in the restoration.

Table 3

Option	Process detail
When Hard Disk is selected	The restoration is done in the following Steps: (1) The Hard Disk backup target areas of the Hard Disk are initialized. (2) The Hard Disk backup target areas of the Hard Disk are updated. (3) The ESS NVRAM is updated. (4) The system will automatically reboot and update the Firmware. (5) After the Firmware is updated, it will automatically reboot.

Table 3

Option	Process detail
When USB Memory is selected (for machines with Hard Disk)	The restoration is done in the following Steps: (1) The USB backup target areas and folder areas of the Hard Disk will be initialized. (2) The USB backup target areas of the Hard Disk are updated. (3) The ESS NVRAM is updated. (4) The system will automatically reboot and update the Firmware. (5) After the Firmware is updated, it will automatically reboot.
When USB Memory is selected (for machines without Hard Disk)	The restoration is done in the following Steps: (1) The ESS NVRAM is updated. (2) The system will automatically reboot and start up.

- After the restoration has completed, disconnect the USB Memory, print the Configuration Report, and check the version.

[Delete Backed Up Files]

- Select the [Delete Backed Up Files] icon, select [Hard Disk] or [USB Memory], and select [Start].

Table 4

Option	Process detail
When Hard Disk is selected	Instructing the deletion of Hard Disk backup files erases the Hard Disk backup files in the Hard Disk.
When USB Memory is selected	Instructing the deletion of USB backup files erases the USB backup files in the Hard Disk.

6.4.2.39 Delete All Certificates / Initialize Settings

Purpose

Due to corrupted certificate file, etc., there are cases where the certificate data becomes unusable as it repeatedly gets turned OFF upon activation, even after accessing [SSL / TLS Settings] under [Connectivity & Network Setup] -> [Security Settings] to turn it ON. In such cases, performing [Delete All Certificates / Initialize Settings] enables you to delete all certificates (Self Signed Certificate, Device Certificates Get Utility Certificate, and CWIS Imported Certificate) other than the Next-gen EP Feature Certificates that are used for billing management, thus allowing the system to recover without having to delete all Hard Disk/NVM data.

NOTE: Not available for FXCL.

Procedure

- On the [Maintenance / Diagnostics] screen, select [Delete All Certificates / Initialize Settings].
- A message is displayed on the [Delete All Certificates / Initialize Settings] screen.
- Select [Start].
- A confirmation message appears. Select [Yes].
- After the [Delete All Certificates / Initialize Settings] has completed, the Device will automatically reboot.

6.4.2.40 Power on Self Test (Common KO/CE Function)

Purpose

1. Sets whether to perform program (Firmware) diagnostics at the time the Device is powered ON and started up.
2. If any intentional program rewriting or abnormalities is found during the program diagnostics, the startup will be aborted and it will be recorded in the audit log.

Procedure

1. On the [Maintenance / Diagnostics] screen, select [Power on Self Test].
2. Select [On] for the [Power on Self Test]. (Figure 1)

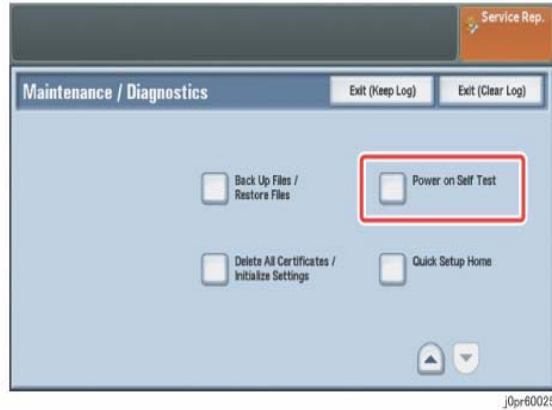


Figure 1 j0pr60025

3. Select [Save].

6.4.2.41 Software Upgrade (Device UI Method)

Purpose

The Device UI Download feature is aimed to simplify the Firmware upgrade operation. It is a feature that makes it no longer necessary to have a PC or USB Memory, which is currently needed, to perform Firmware upgrade. When the machine is connected to the Network, this feature can obtain the Firmware upgrade file from the server, store it in the Hard Disk within the Device, automatically transit to the Download Mode and then perform the Firmware upgrade.

From among the following software upgrade methods, this feature is called the Remote method (Device UI method).

Table 1

Method	Overview
DLD method	Upgrade by using a Parallel Cable or USB Cable.
PJL method	Upgrade by using a LAN Cross Cable.
Device UI method	Upgrade by using a Network.

NOTE: For details on the procedure, refer to ADJ 18.2.1 in Chapter 4.

Preparation

Store the Firmware in a Web Server that is operating on the customer's intranet.

Procedure

1. Enter the UI Diag and select [System Settings] tab -> [Common Service Settings] -> [Maintenance / Diagnostics] -> [Software Upgrade] on the second page.
2. On the UI screen, input the Web Server information.
3. On the UI screen, select [Download Now].
4. The Device will automatically reboot after the download has completed.

6.4.2.42 ESS-related Hardware Diagnostic Function

The following two types of functions are provided as the ESS-related Hardware Diagnostics Functions.

1. Download Diag
2. Long Boot Diag

The function descriptions are as follows.

1. Download Diag

The Download Diag diagnoses failures of the ESS PWB as well as the Memory, Hard Disk, and etc. that are installed to the ESS PWB. The Download Diag requires that the diagnostic program (Download Diag PC) is ready to run on the PSW, and that the PSW is connected to the machine by USB Cable. After the Diag, the diagnostic results (PASS/FAIL/SKIP) are displayed on the Control Panel and the diagnostic result logs are stored in the PSW. The Diag takes approx. 5 mins.



j0ki61023

Figure 1 j0ki61023

* [SKIP] is displayed when an optional part is not detected.

1. Control Panel/LED Indication Specifications

The list shows the string displayed on the Control Panel and the lighting status of the Control Panel LED during each processing sequence of the diagnostic program.

Table 1

Contents	Panel LCD Display String		Panel LED	
	String 1	String 2*1	LED 1*3	LED 2*4
When the diagnostic program starts	---DIAG PROGRAM START-- -	Blank	Blinking	OFF
When the diagnostic program has finished	---DIAG PROGRAM END---	Blank	OFF	OFF

Table 1

Contents	Panel LCD Display String		Panel LED	
	String 1	String 2*1	LED 1*3	LED 2*4
When checking the availability of USB PC for log record	CHECKING PC (USB)	DETECT NOT DETECT	Blinking	OFF
When recording the log into the USB PC for log record	LOGGING TO PC (USB)	SKIP COMPLETE	Blinking	OFF
When each diagnostic SW is running and when the diagnostic results are re-displayed*2	XXX ("XXX" is the Test Item) Refer to Step 2.	PASS FAIL XXX *5 SKIP	Blinking	OFF
When the diagnostic results are re-displayed*2	---DIAG PROGRAM NG RESULT---	Blank	Blinking	OFF
When the diagnostic results are re-displayed*2 and every diagnostic result is [OK]	NO PROBLEM	Blank	Blinking	OFF
When a fatal error has occurred	---FATAL ERROR OCCUR---	Blank	OFF	ON

NOTE:

*1 : String 2 is displayed in the next line after String 1.

*2 : When the display has reached the end line of the Control Panel (e.g. when there are a lot of test items), this indicates the results that are displayed again after all tests have been completed. This will not be shown if the display does not reach the end line of the Control Panel.

*3 : Indicates the "Data" LED.

*4 : Indicates the "Error" LED.

*5 : Indicates the Error Code at the occurrence of FAIL.

CAUTION

If any of the following situation occurs at the LED display on the Panel, escalate it based on the trouble flow characteristics.

- [When a fatal error has occurred] (LED 1: OFF/ LED 2: ON)
- LED 1 stopped blinking regardless of whether the diagnostics has completed or not
- The diagnostic results are not displayed after the Test Names were displayed on the UI Panel

2. Diagnostic Contents/Results Display/Actions

This section explains the contents of the diagnostic test in the order they are performed.

If there are more than one test items with [NG] result, action must be taken starting from items that were tested earlier.

Table 2

No.	Test Name Test Contents (Overview)	Control Panel Display (Test Name)	Diagnostic Result Display	Error Code	Action to take if [NG]
1	UI Panel VRAM Test	Blank (Because this is performed in the first processing sequence before the UI display)	Blank (Because this is performed in the first processing sequence before the UI display)	Blank	(1) Check if a memory is inserted in the ESS RAM DIMM #1 and #2 Slot (2) Remove and reinstall the ESS RAM DIMM #1 and #2 (3) Replace the ESS RAM DIMM #1 and #2 (4) Replace the ESS PWB
	VRAM read/write/verify test				
2	UI Panel Display Test	Grid Pattern	Blank (Because this is performed in the first processing sequence before the UI display)	Blank	(1) Disconnect and reconnect the UI Cable (between ESS PWB and UI) (2) Replace the UI Cable (3) Replace the UI (4) Replace the ESS PWB
	UI Panel display visual check				
3	DRAM Test	SYSTEM MEMORY M1	PASS FAIL SKIP	E02	(1) Remove and reinstall the ESS RAM DIMM #1 (2) Replace the ESS RAM DIMM #1 (3) Replace the ESS PWB
	Standard Memory read/write/verify test (diag time: approx. 60 s)				
	DRAM Test	SYSTEM MEMORY M2	E03	(1) Remove and reinstall the ESS RAM DIMM #2 (2) Replace the ESS RAM DIMM #2 (3) Replace the ESS PWB	
	Extension Memory read/write/verify test (diag time: approx. 60 s)				
4	Serial Line Communication Test 1	IIT COMM	PASS FAIL	E01	(1) Remove and reinstall the ESS PWB (2) Replace the ESS PWB
	IIT and Data Link Layer communication test				

Table 2

No.	Test Name Test Contents (Overview)	Control Panel Display (Test Name)	Diagnostic Result Display	Error Code	Action to take if [NG]
5	Serial Line Communication Test 2	IOT COMM	PASS FAIL	E04	(1) Check the contact between every module and ESS (between BP-PWB/MCU-PWB) (2) Remove and reinstall the ESS PWB (3) Replace the MCU PWB (4) Replace the BP PWB (5) Replace the ESS PWB (you can replace (3) to (5) in any order)
	IOT and Data Link Layer communication test				
6	ZEUS ASIC Test	IO ASIC	PASS FAIL	E24	(1) Replace the ESS PWB
	ASIC copy path operation test				
	ZEUS ASIC Test			E05	(1) Remove and reinstall the ESS RAM DIMM #1 and #2 (2) Replace the ESS RAM DIMM #1 and #2 (3) Replace the ESS PWB
	ASIC print path operation test				
7	I2C Device Read / Write / Verify Test	SEEP ROM 1	PASS FAIL	E06	(1) Remove and reinstall the ESS PWB (2) Check the SEEP ROM contacts (for bent and broken pins, etc.) (3) Replace the BP PWB (4) Escalation
	MAC Address inclusive SEEPROM test				
8	NVM Read / Write / Verify Test	NVM PWB ESS	PASS FAIL	E08	(1) Remove and reinstall the NVM PWB (check that the connector latch is secured properly) (2) Replace the NVM PWB (3) Replace the ESS PWB
	OS management area test				

Table 2

No.	Test Name	Control Panel Display (Test Name)	Diagnostic Result Display	Error Code	Action to take if [NG]
	Test Contents (Overview)				
9	Real Time Clock Operation Test	CLOCK	PASS FAIL	E11	(1) Remove and reinstall the NVM PWB (check that the connector latch is secured properly) (2) Replace the NVM PWB (3) Replace the ESS PWB
	Calendar register test (read only)				
10	Flash Memory Test	ESS ROM	PASS FAIL	E14	(1) Replace the ESS PWB
	Flash Memory checksum test				
11	Serial Line Communication Test 3	EP ACCESSORY COMM	PASS FAIL SKIP	E15	(1) Check the contact between every module and ESS (between cables/boards) (2) Replace the relevant module (3) Replace the ESS PWB
	EP Machine and Data Link Layer communication test				
12	PDF High Compression PWB Test	HIGH-COMP PDF PWB	PASS FAIL SKIP	E16	(1) Remove and reinstall the Riser PWB (2) Remove and reinstall the Image COMP PWB (3) Replace the Riser PWB (4) Replace the Image COMP PWB (5) Replace the ESS PWB
	ESS PWB and PDF High Compression PWB communication establishment verification test (diagnostic time: approx. 1 min (max. 2 mins))				
13	Hard Disk Test	Hard Disk	PASS FAIL SKIP	E17	(1) Disconnect and reconnect the EPC Cable at the ESS (2) Disconnect and reconnect the EPC Cable at the Hard Disk (3) Replace the EPC Cable (4) Replace the Hard Disk Assy (5) Replace the ESS PWB
	Hard Disk self test and read/write/verify test				

Table 2

No.	Test Name	Control Panel Display (Test Name)	Diagnostic Result Display	Error Code	Action to take if [NG]
	Test Contents (Overview)				
14	File System Test	FILE SYSTEM	PASS FAIL SKIP	E27	(1) Format the Hard Disk (<Energy Saver> + <Stop> + <4>) and check if it can recover
	Hard Disk file check				
15	Energy Saver Mode Operation Test	POWER SAVE MODE	PASS FAIL	E18	(1) Escalation
	Auto Energy Saver/Recovery test				
16	Ethernet Test	ETHERNET PHY	PASS FAIL SKIP	E21	(1) Replace the ESS PWB
	Ethernet PHY Chip Register read/write/verify test				
17	Serial Line Communication Test 2-2	IOT COMM (2)	PASS FAIL	E04	(1) Check the contact between every module and ESS (between BP-PWB/MCU-PWB) (between BP-PWB/ESS-PWB) (2) Remove and reinstall the ESS PWB (3) Replace the MCU PWB (4) Replace the BP PWB (5) Replace the ESS PWB (you can replace (3) to (5) in any order)
	IOT and Data Link Layer communication test				
18	Serial Line Communication Test 1-2	IIT COMM (2)	PASS FAIL	E01	(1) Replace the ESS PWB
	IIT and Data Link Layer communication test				
19	IIT Test	IIT DIAGNOSIS	PASS FAIL		Refer to item 2-(1)
	IIT built-in PWB operation test				

Table 2

No.	Test Name	Control Panel Display (Test Name)	Diagnostic Result Display	Error Code	Action to take if [NG]
	Test Contents (Overview)				
20	GBE LE PWB Test	GBE LE PWB	PASS FAIL SKIP	E30	(1) Remove and reinstall the Riser PWB (2) Remove and reinstall the GIGA BIT PWB (3) Replace the Riser PWB (4) Replace the GIGA BIT PWB (5) Replace the ESS PWB
	Gigabit Ethernet Card connection test				
21	USB Hub Test	USB HUB	PASS FAIL SKIP	E34	(1) Remove and reinstall the ESS PWB (2) Check the connection of/disconnect and reconnect the USB Cable and the Power Cable between the BP PWB and the USB Hub (3) Check the connection of/disconnect and reconnect the Power Cable to the BP PWB (4) Replace the BP PWB (5) Replace the USB Hub PWB (6) Replace the ESS PWB
	USB Hub connection test				

(1) IIT Diagnostic Contents/Results Display

The main diagnostic contents are as follows:

- Analog signal check of the Lamp/CCD, etc.
- Image quality check using Built-in Test Patterns
- Open circuit check using harness test signals

The IIT Diag can display up to 2 fault locations at one time. When a malfunction has occurred, it will be displayed using the lower 4 digits of a 5-digit code. If a communication error has occurred between the Controller and the IIT, [99999] is displayed.

E.g. 1) When 03 [FPC CCD] fault was detected
00003

E.g. 2) When 03 [FPC CCD] and 16 [PWBA TRANS] fault were detected
00316

Table 3

Code	Faulty Parts/Fault Contents
01	Lamp/Ballast Assy
02	LENS CCD Assy
03	FPC CCD
10	Lamp FFC
11	PWBA ARTEMIS
12	IIT-ESS Video Cable
14	IIT-ESS I/O (1) (PLT_IO) Harness
15	IIT-ESS I/O (2) (DADF_IO) Harness
16	TRANS PWB
17	Trans Power Cable
19	ESS PWB (CLOVER PWB)
20	PWBA ARTEMIS DDR Memory
21	PWBA Daimajin
22	PWBA ARTEMIS (DDR Memory)
23	PWBA ARTEMIS (DDR Memory)
24	Config Fail
99999	Communication failure between the Controller and the IIT

3. Procedure

- [Preparation]

Copy the diagnostic program (Download Diag PC) into a PC and connect the PC to the Device using the USB Cable.

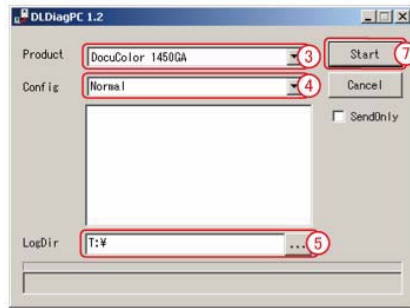
- [Diagnostic Procedure]

CAUTION

Prepare the PSW before starting the Device in Diag mode (<Energy Saver> + <Stop> + <9> + Power ON).

If the Diagnostic Program is not transferred to the Device within 2 minutes after turning ON the power while pressing <Energy Saver> + <Stop> + <9>, the data link level communication test with the IOT will result in a FAIL (E04).

- (1) Connect the PSW and the MF machine using the USB Cable.
- (2) Activate the Download Diag PC (DLDiagPC.exe) on the PSW.
- (3) Select the desired model to perform diagnostic on from the [Product] pull-down menu.



j0sg64001

Figure 2 j0sg64001

- (4) Select the diagnostic method from the [Config] pull-down menu. ([Normal] is selected by default)
- (5) In [LogDir], specify a writable folder to store the diagnostic result.
- (6) Start up the Device in Diag mode (<Energy Saver> + <Stop> + <9> + Power ON). (The Control Panel displays [DIAGNOSIS] or [DIAGLOAD].)
- (7) Click [Start] at the Download Diag PC to start the diagnosis. (The diagnostic program is transferred to the Device.)
- (8) At the Control Panel of the Device, after [DIAG PROGRAM READ] is displayed, [DIAG PROGRAM EXECUTE] is displayed to indicate that the diagnostic program is running.



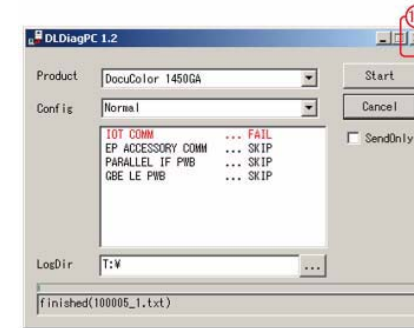
j0ki61023

Figure 3 j0ki61023

- (9) The diagnostic result is displayed on the Control Panel.

* [SKIP] is displayed when an optional part is not detected.

- (10) When the Diag has completed, [---DIAG PROGRAM END---] is displayed.
- (11) Turn OFF the Device.
- (12) Check that the diagnostic result is displayed at the Download Diag PC and terminate the tool.



j0sg64002

Figure 4 j0sg64002

- (13) Disconnect the USB Cable from the Device.

2. Long Boot Diag

Turn ON the power while pressing <Energy Saver> + <Start> to diagnose any failures in the ESS PWB and installed memory, etc. The Diag takes approx. 5 mins.

[Diagnostic Procedure]

1. Turning ON the power while pressing <Energy Saver> + <Start> displays [-- BOOT MODE -- LONG-DIAG MODE] at the top left side and starts the Diag.



j0au64096

Figure 5 j0au64096

NOTE: If an error is detected, the Error Code (Chain-Link) will be displayed on the Control Panel. (Unlike in the Download Diag, the diagnostic result of each item is not displayed.)

- When the Diag has completed successfully, [-BOOT MODE-] and then [ALL OK] are displayed at the top left side. Turn OFF the Device.



j0au64097

Figure 6 j0au64097

[Diagnostic Contents]

The following shows the Diag Items and the Fail Codes that are displayed for [NG] diagnostic results.

Table 4

	Test Name	Test Contents (Overview)	UI Panel Display (Fault Code)
1	Standard RAM Test	Standard RAM read/write/verify test	116-315
2	Extension RAM Test	Extension RAM read/write/verify test	116-316
3	Standard ROM Test	Standard ROM checksum test	116-317
5	Standard Front ROM Test	Standard Front ROM ID checksum test	116-380
6	Extension Front ROM Test	Extension Front ROM checksum test	016-341
7	NVRAM Test	NVRAM read/write/verify test	116-323
8	BackPlane Disconnect Detection	Disconnect detection of BackPlane	016-327
9	UI Cable Disconnect Detection	Disconnect detection of UI Cable	016-326
10	MCU Cable Disconnect Detection	Disconnect detection of MCU Cable	016-328
11	Font ROM Test	Standard Font ROM checksum test	116-380
12	SEEPROM Test	SEEPROM read/write/verify test	016-351
		SEEPROM expected value data test	016-350
13	Timer Test	Timer operation check (RTC) test	116-343
14	Page Memory Test	Page Memory device test	016-317
15	IIT Test	IIT device test	016-315
16	USB 1.0 Host Test	USB 1.0 Host device test	016-371
17	USB 2.0 Host Test	USB 2.0 Host device test	016-364
18	USB 2.0 Device Test	USB 2.0 Target device test	016-365
19	Hard Disk Test	Hard Disk device test	016-366
		UFS test	016-367, 016-372 to 382
20	Image Log Test	Image EXT PWB test	016-368
21	PDF High Compression Test	Image COMP PWB test	016-369
22	UI Test	UI device test	016-362
23	Ethernet Test	Ethernet phy test	016-349
24	PCI Test	PCI bus test	117-336
25	Standard ROM Write Mode Test	QRY test	016-336

Revision History

Table 5

Creation Date/ Revision Date	Edition	Contents
2012/10/04	1st Edition	-

6.4.2.43 UI (Control Panel) Self Diagnostic Function

The Self Diagnostic Function that is introduced from 8th UI PF onwards is as follows.

Table 1

No.	Target Diagnostic Item	Operation Mode		Description
		Origin Point Correction	Normal	
1	Communication	-	O	<ul style="list-style-type: none"> Display Fail Code (123-333) (Same as existing) "Interrupt" "Log In / Out" LED blinks (repeats 2 times)
2	Read EEPROM for Sys	-	O	<ul style="list-style-type: none"> Display Fail Code (123-352) "Interrupt" "Log In / Out" LED blinks (repeats 3 times)
3	UI Cable Partial Connection	-	O	<ul style="list-style-type: none"> Display Fail Code (123-353) Write Control Panel internal error log "Interrupt" "Log In / Out" LED blinks (repeats 4 times)
4	24V Supply Line Voltage Level Monitoring	-	O	<ul style="list-style-type: none"> Can be differentiated from UI Cable Partial Connection Display Fail Code (123-354) "Interrupt" "Log In / Out" LED blinks (repeats 5 times)
5	5V Supply Line Voltage Level Monitoring	-	O	<ul style="list-style-type: none"> Can be differentiated from UI Cable Partial Connection Display Fail Code (123-355)
6	Hard Key Pressed Continuously (10 Keys, Services Home Key/ Fax One Touch Key)	-	O	<ul style="list-style-type: none"> Save 023-600 in Controller log Write Control Panel internal error log
7	Touch Panel	O	O	<ul style="list-style-type: none"> Skipping the Origin Point Correction brings you to the Touch Check screen Pressing continuously saves 023-601 in Controller log Write Control Panel internal error log
8	Write EEPROM for Sys	-	O	<ul style="list-style-type: none"> Display Fail Code (123-357) Write Control Panel internal error log "Interrupt" "Log In / Out" LED blinks (repeats 7 times)

Table 1

No.	Target Diagnostic Item	Operation Mode		Description
		Origin Point Correction	Normal	
9	Write EEPROM for Log	-	O	<ul style="list-style-type: none"> • Display Fail Code (123-358) • "Interrupt" "Log In / Out" LED blinks (repeats 7 times)
10	LED ON/OFF ("Interrupt"/"Log In / Out")	-	O	<ul style="list-style-type: none"> • Both are ON during reset -> both simultaneously turns OFF at cancelation of reset (except for hotline).
11	LCD/M (Screen Display/Backlight)	-	O	<ul style="list-style-type: none"> • As this can be differentiated from poor connection, the malfunction can be found automatically

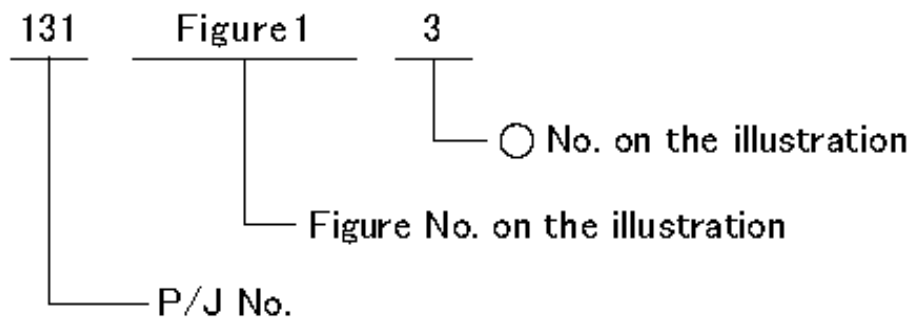
Chapter 7 Wiring Data

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7.1 How to Use the Plug/Jack Location List

- To find which position to install specific connectors to, refer to the table '7.1.x.1 Plug/Jack Location List' for Figure No. and Item No., and then to the figure in '7.1.x.2 Plug/Jack Positions.'
- P/J No. on "7.1.x.1 Plug/Jack Location List" is expressed in the four ways below:
 - J250 represents Jack 250.
 - P250 represents Plug 250.
 - CN1 represents Connector 1.
 - FS1 represents Faston Terminal 1.

Example :



7001

Figure 1 7001

7.1.1.1 Plug/Jack List

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P/J1	1	6	S104 UI I/F PWB
P/J1 R1	10	18	MPD PWB Y/C
P/J1 R2	10	9	MPD PWB C/K
P/J1A K	10	11	LDD PWB M/K
P/J1A M	10	19	LDD PWB M/K
P/J1B K	10	10	LDD PWB M/K
P/J1B M	10	17	LDD PWB M/K
P1	32	14	VESL PWB
P1	11	11	LOW TONER SENSOR PWB (CONNECT to J653A)
J1	40	5	USB HUB PWB
P2	11	10	LOW TONER SENSOR PWB (CONNECT to J653B)
P2	40	1	USB HUB PWB (CONNECTOR to J1348)
J2	40	4	USB HUB PWB (USB)
P/J3	1	7	S104 UI I/F PWB
P/J3	36	14	AC POWER SUPPLY N09A
P/J3 R1	10	21	LDD PWB M/K
P/J3 R2	10	13	LDD PWB M/K
P3	32	15	VESL PWB
J3	40	3	USB HUB PWB
P/J4	36	3	AC POWER SUPPLY N09A
P4	10	20	LDD PWB Y/C (CONNECT to J4B R1)
P4	10	12	LDD PWB M/K (CONNECT to J4B R2)
J4	40	2	USB HUB PWB
J4A R1	10	2	LDD PWB Y/C (CONNECT to P341)
J4A R2	10	7	LDD PWB M/K (CONNECT to P341)
J4B R1	10	20	CONNECTOR (CONNECT to P4)
J4B R2	10	12	CONNECTOR (CONNECT to P4)
P/J5	1	11	S104 UI I/F PWB
P/J5 R1	10	3	SOS PWB Y/M
P/J5 R2	10	8	SOS PWB C/K
J5	40	6	USB HUB PWB
P/J6 R1	10	1	POLYGON MOTOR Y/M
P/J6 R2	10	4	POLYGON MOTOR C/K
P/J7	1	9	S104 UI I/F PWB
J7 R1	10	16	ROS-Y/M ASSEMBLY (CONNECT to P247Y)
J7 R2	10	14	ROS-C/K ASSEMBLY (CONNECT to P247C)
P/J8	1	4	S104 UI I/F PWB
P/J8	35	13	IIT LVPS CC3

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P/J9	1	3	S104 UI I/F PWB
P/J10	36	2	AC POWER SUPPLY N09A
P/J11	36	15	AC POWER SUPPLY N09A
J12	36	10	AC POWER SUPPLY N09A
P/J13	36	9	AC POWER SUPPLY N09A
P/J14	36	11	AC POWER SUPPLY N09A
P/J15	36	6	AC POWER SUPPLY N09A
P/J16	1	10	S104 UI 10 KEY PWB
P/J16	36	4	AC POWER SUPPLY N09A
P/J17	36	13	AC POWER SUPPLY N09A
P/J17	1	8	S104 LCD MODULE
P/J18	1	2	UI LED BACK LIGHT PWB
P/J18	36	12	AC POWER SUPPLY N09A
P/J19	1	1	UI LED BACK LIGHT PWB
P/J19	35	14	LVPS N09A
P/J20	1	5	UI LED PWB
J60A	25	10	MAIN POWER SWITCH (BLK)
J60B	25	10	MAIN POWER SWITCH (BLK)
J60C	25	10	MAIN POWER SWITCH (WHT)
J60D	25	10	MAIN POWER SWITCH (WHT)
P/J61A	20	3	MAIN_1 LAMP (RED CONNECTOR)
P/J61B	20	13	MAIN_1 LAMP (RED CONNECTOR)
P/J62A	20	4	MAIN_2 LAMP
P/J62B	20	14	MAIN_2 LAMP
P/J63A	20	5	SUB LAMP (BLU CONNECTOR)
P/J63B	20	12	SUB LAMP (BLU CONNECTOR)
J73A	36	18	FINISHER OUTLET (BLK)
J73B	36	18	FINISHER OUTLET (WHT)
J73C	36	18	FINISHER OUTLET (G/Y)
J74A	36	16	INLET (BLK)
J74B	36	16	INLET (WHT)
J74C	36	16	INLET (G/Y)
J75	36	1	GFI
J76	36	17	GFI
P/J80	25	2	CONNECTOR
P/J101	26	10	MSI PRE REGI. SENSOR
P/J101F	38	3	TRAY 1-3 LEVEL SENSOR
P/J102	10	15	XERO ENVIRONMENT SENSOR
P/J102F	38	5	TRAY 1-3 NO PAPER SENSOR
P/J103	28	7	CC HOME POSITION SENSOR

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P/J103F	38	4	TRAY 1-3 PRE FEED SENSOR
P/J104	24	2	IOT EXIT SENSOR
P/J105	23	2	INVERT IN SENSOR
P/J106	23	8	INVERT PATH SENSOR
J106	37	11	CONNECTOR
P/J107	23	9	INVERT N/R SENSOR
P/J108	21	8	PENE UP SENSOR
P/J109	21	5	PENE DOWN SENSOR
P/J110	22	10	DUP IN SENSOR
P/J111	22	9	FUSING UNIT ENTRANCE SENSOR
P/J113	17	10	MSI PAPER SIZE SENSOR
P/J113	19	3	POST 2ND BTR SENSOR
P/J114	19	2	2ND BTR N/R SENSOR
P/J114	17	8	MSI DOWN SENSOR
P/J115	22	1	DUP OUT SENSOR
P/J115	17	9	MSI PAPER SET SENSOR
P/J116	17	4	MSI COVER INTERLOCK SWITCH
P/J116	18	14	PRE REGI. SENSOR
P/J117	17	5	MSI LIFT UP SENSOR
P/J117	18	8	REGI. N/R HOME SENSOR
P/J118	17	6	MSI NO PAPER SENSOR
P/J118	18	4	REGI. IN SENSOR
P/J119	17	7	MSI PRE FEED SENSOR
J119	18	6	CONNECTOR
P/J120	18	9	SIDE SHIFT HOME SENSOR
P/J121	18	5	REGI. OUT SENSOR
P/J122	18	16	PRE REGI. N/R HOME SENSOR
P/J123	10	24	REGICON TEMP SENSOR
P/J124	26	8	OUT ENVIRONMENT SENSOR
J125	26	5	CONNECTOR
P/J126	25	7	WASTE BOTTLE SET SENSOR
P/J130	39	2	TRAY 1 PAPER SIZE SENSOR
P/J131	39	3	TRAY 2 PAPER SIZE SENSOR
P/J132	39	4	TRAY 3 PAPER SIZE SENSOR
P/J133	38	7	L/H COVER INTERLOCK SWITCH
P/J134C	13	3	ATC SENSOR C
P/J134K	13	4	ATC SENSOR K
P/J134M	13	2	ATC SENSOR M
P/J134Y	13	1	ATC SENSOR Y
P/J136	38	8	FEED OUT SENSOR 3

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P/J137	38	10	FEED OUT SENSOR 2
P/J138	38	11	FEED OUT SENSOR 1
P/J139	24	8	INVERT END SENSOR
P/J140	24	9	R/H COVER INTERLOCK SWITCH
P/J140C	12	10	LOW TONER SENSOR C
P/J140K	12	12	LOW TONER SENSOR K
P/J140M	12	8	LOW TONER SENSOR M
P/J140Y	12	6	LOW TONER SENSOR Y
P/J141	25	8	WASTE BOTTLE FULL SENSOR
P/J142A	11	7	DISPENSE COVER SWITCH 1
P/J142B	11	1	DISPENSE COVER SWITCH 2
J144	25	9	FRONT COVER INTERLOCK SWITCH
P/J145	25	1	POWER SWITCH
P/J146	20	8	HEAT ROLL THERMISTOR
P/J149	20	17	FUSING UNIT EXIT SENSOR
P/J150	20	11	NC CNT SENSOR (3pin)
P/J151	20	2	NC REAR PWB (3pin)
P/J155	14	3	IBT BELT HOME SENSOR
P/J156	14	7	IBT BELT EDGE SENSOR
P/J157	14	6	1ST BTR CONTACT / RETRACT SENSOR
P/J171C	28	5	XERO CRUM PWB C
P/J171K	28	8	XERO CRUM PWB K
P/J171M	28	3	XERO CRUM PWB M
P/J171Y	28	1	XERO CRUM PWB Y
P/J172C	11	3	TONER CARTRIDGE CRUM PWB C,K2
P/J172K1	11	2	TONER CARTRIDGE CRUM PWB K1
P/J172Y	11	6	TONER CARTRIDGE CRUM PWB Y,M
P/J173	20	10	FUSING UNIT NIP SENSOR
P/J174	23	4	INVERT GATE HOME SENSOR
P/J175	20	9	FUSING WOPS PWB
P/J190	18	2	CIS
P/J200	20	1	FUSING UNIT FUSE (2pin)
P/J201C	12	11	DISPENSE MOTOR C
P/J201K	12	13	DISPENSE MOTOR K
P/J201M	12	9	DISPENSE MOTOR M
P/J201Y	12	7	DISPENSE MOTOR Y
P/J202C	12	3	TONER CARTRIDGE MOTOR C
P/J202K1	12	1	TONER CARTRIDGE MOTOR K1
P/J202K2	12	2	TONER CARTRIDGE MOTOR K2
P/J202M	12	4	TONER CARTRIDGE MOTOR M

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P/J202Y	12	5	TONER CARTRIDGE MOTOR Y
P/J203T	14	1	IBT DRIVE MOTOR (2pin)
P/J204	14	2	IBT DRIVE MOTOR (8pin)
P/J205	21	1	DECURLER ROLL FAN 1
P/J206	21	3	DECURLER ROLL FAN 2
P207	21	4	CONNECTOR
P/J210	27	7	DRUM MOTOR K (10pin)
P/J211	27	3	DRUM MOTOR Y,M,C (10pin)
P/J212	27	5	DEVE MOTOR YMC (8pin)
P/J213	27	12	MAIN MOTOR (7pin)
P/J214	28	16	FUSING UNIT DRIVE MOTOR (8pin)
P/J215	27	8	DRUM MOTOR K (2pin)
P/J216	27	2	DRUM MOTOR Y,M,C (2pin)
P/J217	27	4	DEVE MOTOR YMC (2pin)
P/J218	27	13	MAIN MOTOR (2pin)
P/J219	28	17	FUSING UNIT DRIVE MOTOR (2pin)
P/J220F	38	1	TARY 1-3 FEEDER LIFT MOTOR
P/J221	24	4	DUP FAN 1
P/J222	24	7	DUP FAN 2
P/J223	27	11	2ND BTR RETRUCT CAM CLUTCH
P/J224	27	9	DEVE CLUTCH K
P/J225	25	11	FRONT FAN
P/J225	17	3	MSI FEED MOTOR
P/J226	17	12	MSI LIFT MOTOR
P/J226	27	6	REAR ADD FAN
P/J227	17	11	MSI NUDGER SOLENOID
P/J230	27	30	INVERT IN MOTOR
P/J231	27	31	IOT EXIT MOTOR
P/J232	27	19	V-TRA FAN
P/J233	27	1	EXIT FAN
P/J234	27	32	DECURLER PENE UP MOTOR
P/J236	27	16	2ND BTR MOTOR
P/J237	41	1	OPTION EXIT FAN (OPTION)
P/J238	27	24	FUSING UNIT EXHAUST FAN
P/J239	26	3	CC INTAKE FAN
P/J240	25	3	EXIT ROLL FAN
P/J241	27	10	REAR FAN
P/J242	37	4	BROWER FAN
P/J244	37	5	TAKEAWAY MOTOR
P/J245	28	6	CC CLEANER MOTOR

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P/J246	23	10	INVERT MOTOR
P247C	10	14	CONNECTOR (CONNECT to J7 R2)
P247Y	10	16	CONNECTOR (CONNECT to J7 R1)
P/J248C	11	12	ERASE LAMP C
P/J248K	26	6	ERASE LAMP K
P/J248M	11	9	ERASE LAMP M
P/J248Y	11	8	ERASE LAMP Y
P/J249	23	1	INVERT N/R MOTOR
P/J250	23	7	INVERTER FAN
P/J251	23	5	INVERT IN GATE MOTOR
P/J252	15	3	1ST BTR RETRACT MOTOR
P/J253	14	8	IBT STEERING MOTOR
P/J254	21	6	DECURLER PENE DOWN MOTOR
P/J254F	38	2	TRAY 1-3 NUDGER SOLENOID
P/J260	16	6	OUT (FRONT) MOB SENSOR
P/J261	16	3	IN (REAR) MOB SENSOR
P/J262	16	2	TEMP / HUMIDITY SENSOR
P/J263	16	4	MOB CONTROL SENSOR
P/J264	16	5	ADC SENSOR
P/J265	27	14	TRANSPORT MOTOR
P/J266	27	15	DUP MOTOR
P/J267	37	6	TAKEAWAY CLUTCH 3
P/J268	37	3	TAKEAWAY CLUTCH 2
P/J269	37	2	TAKEAWAY CLUTCH 1
P/J270	18	15	PRE REGI. MOTOR
P/J271	18	10	REGI. MOTOR
P/J272	22	17	SIDE SHIFT MOTOR
P/J273	18	1	PRE REGI. N/R MOTOR
P/J274	18	13	REGI. N/R MOTOR
P300	31	16	ESS PWB (CONNECT to J300)
J300	32	1	CONNECTOR (CONNECT to P300)
P303	42	6	RISER PWB (OPTION)
P303	42	9	IMAGE COMP. PWB (OPTION)
P303	42	13	GIGABIT ETHERNET PWB (OPTION)
J303	31	15	ESS PWB
P309	31	18	ESS PWB (CONNECT to J309)
J309	32	4	BP PWB (CONNECT to P309)
P/J310	31	1	ESS PWB (to HDD)
P/J313	32	7	BP PWB (to ESS FAN)
J316	31	8	ESS PWB

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P321	31	12	ESS PWB
P322	31	10	ESS PWB (CONNECTOR to J322)
J322	31	25	ARTEMIS PWB (CONNECT to P322)
J330	31	2	ESS PWB (M1)
J331	31	3	ESS PWB (M2)
J332	31	19	ESS PWB (R2)
P/J334	31	20	ESS PWB / NVM PWB
P335	31	21	ESS PWB (CONNECT to J335)
J335	32	5	BP PWB (CONNECT to P335)
P/J336	32	8	BP PWB
J340	31	9	ESS PWB
P341	10	2	LDD PWB Y/C (CONNECT to J4A R1)
P341	10	7	LDD PWB Y/C (CONNECT to J4A R2)
J342	31	6	ESS PWB
J343	31	7	ESS PWB
J344	31	5	ESS PWB
P/J345A C	10	5	LDD PWB Y/C
P/J345A Y	10	23	LDD PWB Y/C
P/J345B C	10	6	LDD PWB Y/C
P/J345B Y	10	22	LDD PWB Y/C
P/J348	42	12	GIGABIT ETHERNET PWB (OPTION)
P348	42	2	RISER PWB (OPTION)
P348	42	8	IMAGE COMP. PWB (OPTION)
P348	42	10	GIGABIT ETHERNET PWB (OPTION)
J348	31	14	ESS PWB (RISER PWB CONNECTOR to P348)
J351	31	11	ESS PWB
P/J352	31	13	ESS PWB
P380	31	4	ESS PWB
P/J390	32	11	BP PWB
P391	32	13	VSEL PWB (CONNECT to J391)
J391	32	3	BP PWB (CONNECT to P391)
P/J392	32	10	BP PWB
P/J400	29	11	MCU PWB
P/J401	29	26	MCU PWB
P/J402	29	24	MCU PWB
P/J403	29	9	MCU PWB
P404	29	22	MCU PWB (CONNECT to J404)
J404	30	4	IOT PWB (CONNECT to P404)
P/J405	29	21	MCU PWB
P/J406	29	12	MCU PWB

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P/J407	29	23	MCU PWB
P/J408	29	18	MCU PWB
P/J409	29	13	MCU PWB
P/J410	29	16	MCU PWB
P/J411	29	15	MCU PWB
P/J412	29	17	MCU PWB
P/J413	29	14	MCU PWB
P/J414	29	19	MCU PWB
P/J415	29	25	MCU PWB
P/J416	29	10	MCU PWB
P/J417	29	20	MCU PWB
P/J418	29	8	MCU PWB / NVM PWB
P/J425	18	3	CIS CONTROL PWB
P425	29	7	MCU PWB (CONNECT to J425)
J425	32	12	BP PWB (CONNECT to P425)
P/J426	18	7	CIS CONTROL PWB
PA/JA431	29	4	MCU PWB
PB/JB431	29	6	MCU PWB
P/J431	30	6	IOT PWB
PA/JA432	29	3	MCU PWB
PB/JB432	29	5	MCU PWB
P/J432	30	7	IOT PWB
PA/JA433	29	2	MCU PWB
PB/JB433	29	28	MCU PWB
P/J433	30	8	IOT PWB
PA/JA434	29	1	MCU PWB
PB/JB434	29	27	MCU PWB
P/J434	30	9	IOT PWB
P/J435	30	10	IOT PWB
P/J436	30	12	IOT PWB
P/J437	30	1	IOT PWB
P/J438	30	2	IOT PWB
P/J439	30	3	IOT PWB
P/J440	30	11	IOT PWB
P/J441	30	5	IOT PWB
P/J460	33	19	PH DRIVE PWB
P/J461	33	20	PH DRIVE PWB
P/J462	33	1	PH DRIVE PWB
P/J463	33	2	PH DRIVE PWB
P/J464	33	3	PH DRIVE PWB

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P/J465	33	4	PH DRIVE PWB
P/J466	33	5	PH DRIVE PWB
P/J467	33	6	PH DRIVE PWB
P/J468	33	7	PH DRIVE PWB
P/J469	33	8	PH DRIVE PWB
P/J470	33	9	PH DRIVE PWB
P/J471	33	10	PH DRIVE PWB
P/J472	33	11	PH DRIVE PWB
P/J473	33	12	PH DRIVE PWB
P/J474	33	15	PH DRIVE PWB
P/J475	33	16	PH DRIVE PWB
P/J476	33	17	PH DRIVE PWB
P/J477	33	18	PH DRIVE PWB
P/J478	33	13	PH DRIVE PWB
P479	33	14	PH DRIVE PWB
P/J480	37	10	MD BS PWB
P/J481	37	9	MD BS PWB
P/J482	37	8	MD BS PWB
P/J501	35	2	LVPS N09A
P/J502	35	3	LVPS N09A
P/J503	35	4	LVPS N09A
P/J504	35	10	IIT LVPS CC3
P/J505	35	9	IIT LVPS CC3
P/J506	35	8	IIT LVPS CC3
P508	35	5	LVPS N09A
P/J509	35	6	LVPS N09A
P/J510	36	7	AC POWER SUPPLY N09A
P/J511	35	1	LVPS N09A
P/J512	35	7	LVPS N09A
P/J514	36	5	AC POWER SUPPLY N09A
P/J516	36	8	AC POWER SUPPLY N09A
P/J581	15	2	HVPS CD02 (6pin)
P/J582	37	1	HVPS PR12
P/J584	26	2	HVPS S4
P/J585C	34	3	HVPS S5C C
P/J585K	26	7	HVPS S5C K
P/J585M	34	2	HVPS S5C M
P/J585Y	34	7	HVPS S5C Y
P/J586	34	8	HVPS CD01 (4pin)
P/J587	34	9	HVPS CD01 (10pin)

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P/J589	15	1	HVPS CD02 (9pin)
P/J591	26	1	HVPS S4
P/J592	34	4	HVPS S5C C
P/J592	26	4	HVPS S5C K
P/J592	34	5	HVPS S5C M
P/J592	34	6	HVPS S5C Y
P/J593	34	1	HVPS CD01
P/J600	27	28	CONNECTOR
P601	14	4	IBT BELT UNIT (CONNECT to J601)
J601	28	18	CONNECTOR (CONNECT to P601)
P602	14	5	IBT BELT UNIT (CONNECT to J602)
J602	28	19	CONNECTOR (CONNECT to P602)
P/J603A	28	9	CONNECTOR
P/J603B	28	9	CONNECTOR
P/J604	28	14	CONNECTOR
P/J605	28	20	CONNECTOR
P/J606	24	3	CONNECTOR (SHORTING PLUG)
P607	25	4	CONNECTOR (4Pin)(CONNECT to OPTION J607)
J607	41	3	CONNECTOR (4PIN)(CONNECT to P607)(OPTION)
DP608	22	4	DRAWER UNIT (CONNECT to DJ608)
DJ608	28	10	CONNECTOR (CONNECT to DP608)
P/J609	19	1	2nd BTR UNIT CONNECTOR
P/J610	22	18	CONNECTOR (10pin)(to REGI UNIT)
DP611	22	6	PH DRAWER (CONNECT to DJ611)
DJ611	28	12	CONNECTOR (CONNECT to DP611)
DP612	20	7	FUSING UNIT ASSEMBLY (CONNECT to DJ612)
DJ612	28	15	CONNECTOR (CONNECT to DP612)
P/J613	22	12	CONNECTOR (12pin)
P/J614	22	13	CONNECTOR (7pin)
DP615	22	3	PH DRAWER (CONNECT to DJ615)
DJ615	28	11	CONNECTOR (CONNECT to DP615)
P/J616	16	1	MOB ADC ASSEMBLY
P/J617	22	2	CONNECTOR
P/J618	22	19	CONNECTOR (12pin)(to REGI. UNIT)
P/J619	27	18	CONNECTOR
P/J620	25	6	CONNECTOR (10pin)
P/J621	37	7	CONNECTOR
P/J624	11	4	CONNECTOR
P/J625	11	5	CONNECTOR
P/J626	25	5	CONNECTOR (3pin)

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P/J627	24	1	CONNECTOR
P/J628	22	16	CONNECTOR (4pin)
P/J629	22	15	CONNECTOR (6pin)
P/J630	22	20	CONNECTOR (15pin)(to REGI. UNIT)
P/J637	28	13	CONNECTOR
P/J638	17	2	CONNECTOR
P/J639	17	1	CONNECTOR
P/J641	23	6	CONNECTOR
P/J642	20	6	CONNECTOR
P/J643	22	11	CONNECTOR (12pin)
P/J644	22	14	CONNECTOR (6pin)
P/J645	23	3	CONNECTOR
DP647	13	5	MARKING DRAWER (CONNECT to DJ647)
DJ647	28	4	CONNECTOR (CONNECT to DP647)
DP648	13	6	MARKING DRAWER (CONNECT to DJ648)
DJ648	28	2	CONNECTOR (CONNECT to DP648)
P/J649	24	5	CONNECTOR (3pin)
P/J650	38	9	CONNECTOR
P/J651	24	6	CONNECTOR (2pin)
J653A	11	11	CONNECTOR (CONNECT to P1)
J653B	11	10	CONNECTOR (CONNECT to P2)
DP661	39	1	CONNECTOR (CONNECT to J661)
J661	38	6	TRAY 1 FEEDER (CONNECT to DP661)
DP662	39	6	CONNECTOR (CONNECT to J662)
J662	38	6	TRAY 2 FEEDER (CONNECT to DP662)
DP663	39	5	CONNECTOR (CONNECT to J663)
J663	38	6	TRAY 3 FEEDER (CONNECT to DP663)
P/J675	26	9	CONNECTOR
DP678	26	11	CONNECTOR
DP679	26	12	CONNECTOR (CONNECT to J679)
J679	17	14	CONNECTOR (CONNECT to DP679)
DP680	36	19	CONNECTOR (CHOICE to FINISHER / to OCT(J801))
P/J696	27	17	CONNECTOR (4pin)
P/J697	22	7	CONNECTOR
P/J700	7	9	CCD
J700	8	7	CONNECTOR (CONNECT to P740)
P/J701	7	1	CCD
P/J702	7	4	PS LED PWB
P/J703	7	3	PS LED PWB (to LED LAMP)
P/J710	8	2	IIT PWB

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P/J720	8	4	IIT PWB
P/J721	8	6	IIT PWB (to CARRIAGE MOTOR)
P/J722	8	5	IIT PWB
P/J723	8	1	IIT PWB
P/J725	7	7	PLATEN ANGLE SENSOR
P/J727	7	10	PLATEN INTERLOCK SWITCH
P/J728	7	5	IIT REGI. SENSOR
P/J729	7	8	CCD FAN
P733	31	23	1P DUP. PWB (CONNECT to J733)
J733	31	22	ARTEMIS PWB (CONNECT to P733)
P740	8	7	CONNECTOR (CONNECT to J700)
P740	31	24	1P DUP. PWB
J740	6	15	CONNECTOR (DADF)
P/J745	6	12	DCDC PWB
P/J746	6	11	DCDC PWB
P/J747	6	13	DCDC PWB
P750	8	11	IIT PWB (CONNECT to J750)
J750	5	10	CONNECTOR (CONNECT to P750)
P/J751	5	9	DADF PWB
P/J752	5	1	DADF PWB
P/J753	5	4	DADF PWB
P/J754	5	7	DADF PWB
P/J755	5	8	DADF PWB
P/J756	5	2	DADF PWB
P/J757	5	3	DADF PWB
P/J758	5	6	DADF PWB (to DADF TRAY MOTOR)
P/J760	5	5	DADF PWB
P/J761	3	3	DADF LEVEL SENSOR
P/J762	3	2	DADF FEED SENSOR
P/J763	3	1	DADF PRE REGI. SENSOR
P764	6	14	CONNECTOR (N.C)
P/J765	3	6	DADF NO.1 APS SENSOR
P/J766	3	5	DADF NO.2 APS SENSOR
P/J767	3	4	DADF NO.3 APS SENSOR
P/J768	6	9	DADF FEED CLUTCH (2pin)
P/J769	4	5	DADF DOCUMENT SET SENSOR
P/J770	4	4	DADF BOTTOM SENSOR
P/J771	4	2	DADF TRAY APS SENSOR 1
P/J772	4	3	DADF TRAY APS SENSOR 2 (BLU)
P/J773	4	1	DADF TRAY APS SENSOR 3 (YEL)

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
P/J774	2	2	DADF EXIT SENSOR
P/J776	2	4	DADF REGI. SENSOR
P/J778	2	1	DADF OUT SENSOR
P/J779	2	3	DADF LEAD REGI. SENSOR
P/J781	6	3	DADF FEED MOTOR
P/J782	6	5	DADF PRE REGI. MOTOR
P/J783	6	6	DADF REGI. MOTOR
P/J784	6	4	DADF PLATEN MOTOR
P/J785	6	10	DADF EXIT MOTOR
P/J786	2	15	DADF L/H COVER INTERLOCK SENSOR (YEL)
P/J787	2	16	DADF BAFFLE SOLENOID
P788	2	10	CONNECTOR
P789	2	13	CONNECTOR
P790	2	5	CONNECTOR
P/J791	2	7	DOCUMENT SET LED (BLU)
P/J792	2	14	CONNECTOR
P793	2	9	CONNECTOR
P/J794	2	17	CONNECTOR
P/J795	2	12	CONNECTOR
P/J796	2	11	CONNECTOR
P/J797	2	6	CONNECTOR
P/J798	2	8	DADF TRAY INTERLOCK SENSOR
J801	9	4	CONNECTOR (CONNECT to DP680)
P/J803	9	5	OCT MOTOR
P/J804	9	1	CONNECTOR
P/J805	9	3	REAR POSITION SENSOR
P/J806	9	6	FRONT POSITION SENSOR
P/J807	9	2	TRAY FULL SENSOR
P900	37	12	CONNECTOR
J900	35	12	CONNECTOR
P901	42	7	IMAGE COMP. PWB (OPTION)
J901	35	11	CONNECTOR
J920	27	33	CONNECTOR
P/J1313	32	2	BP PWB
J1340	42	11	GIGABIT ETHERNET PWB (OPTION)
P/J1343	32	9	BP PWB
P/J1346	32	6	BP PWB
J1348	40	1	CONNECTOR (CONNECT to P2)(OPTION)
J1390	31	17	ESS PWB
J3030	42	4	RISER PWB (OPTION)

Table 1 Plug/Jack List

P/J No.	Figure No.	Item	Remarks
J3031	42	5	RISER PWB (OPTION)
J3480	42	3	RISER PWB (SLOT 2)(OPTION)
J3481	42	1	RISER PWB (SLOT 1)(OPTION)
P/J7191	8	10	IIT PWB
P/J7192	8	9	IIT PWB
P/J7193	8	8	IIT PWB
P/J7201	8	3	IIT PWB
P/J7261	7	6	APS SENSOR 1
P/J7262	7	2	APS SENSOR 2
P/J7461	6	8	CIS
P/J7471	6	7	CIS
CN1	41	2	EXIT FAN PWB (OPTION)
CN2	41	6	EXIT FAN 1 (OPTION)
CN2-1	36	21	AC POWER SUPPLY N09A
CN2-2	36	20	AC POWER SUPPLY N09A
CN3	41	5	EXIT FAN 2 (OPTION)
CN4	41	4	EXIT FAN 3 (OPTION)
CN4001	35	15	LVPS N09A (FAN)
F1	6	1	DADF FEEDER COVER INTERLOCK SWITCH
F2	6	2	DADF FEEDER COVER INTERLOCK SWITCH
FS64	20	16	THERMO-STAT
FS65	20	15	THERMO-STAT
SJ10	27	26	SHORTING PLUG
SJ11	27	25	SHORTING PLUG
SJ12	27	27	SHORTING PLUG
SJ13	27	29	SHORTING PLUG
SJ14	27	21	SHORTING PLUG
SJ15	27	20	SHORTING PLUG
SJ33	17	13	SHORTING PLUG
SJ41	27	22	SHORTING PLUG
SJ42	27	23	SHORTING PLUG
SJ44	22	5	SHORTING PLUG
SJ45	22	8	SHORTING PLUG
SJ46	18	11	SHORTING PLUG
SJ47	18	12	SHORTING PLUG
SJ48	21	2	SHORTING PLUG
SJ802	9	7	SHORTING PLUG

7.1.1.2 Plug/Jack Positions

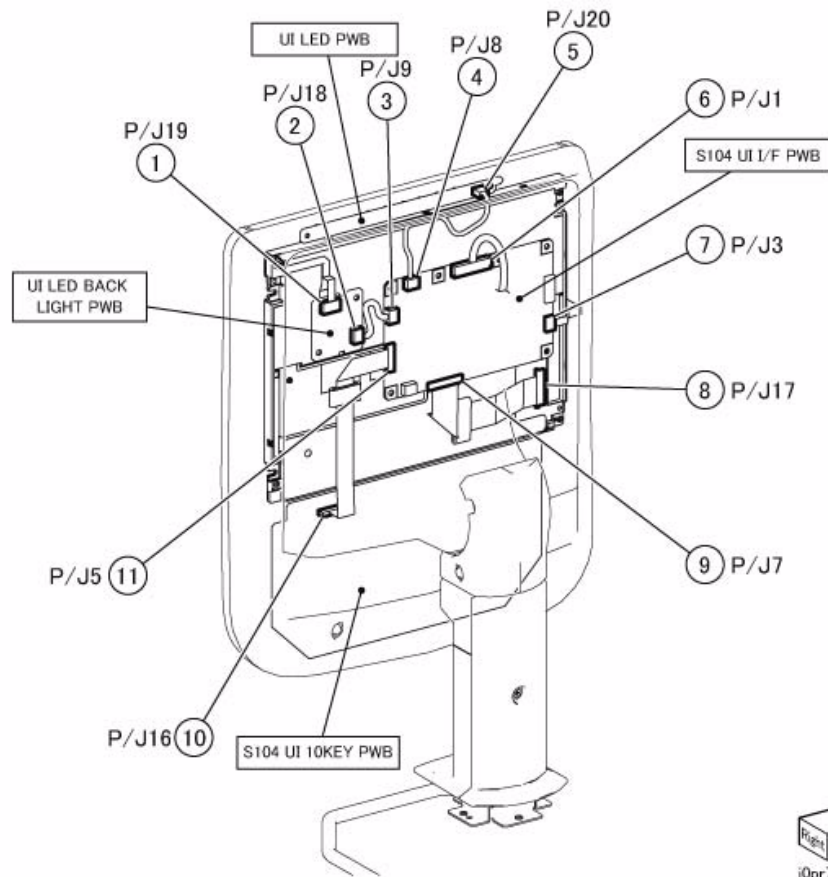


Figure 1 USER INTERFACE (j0pr71001)



j0pr71001

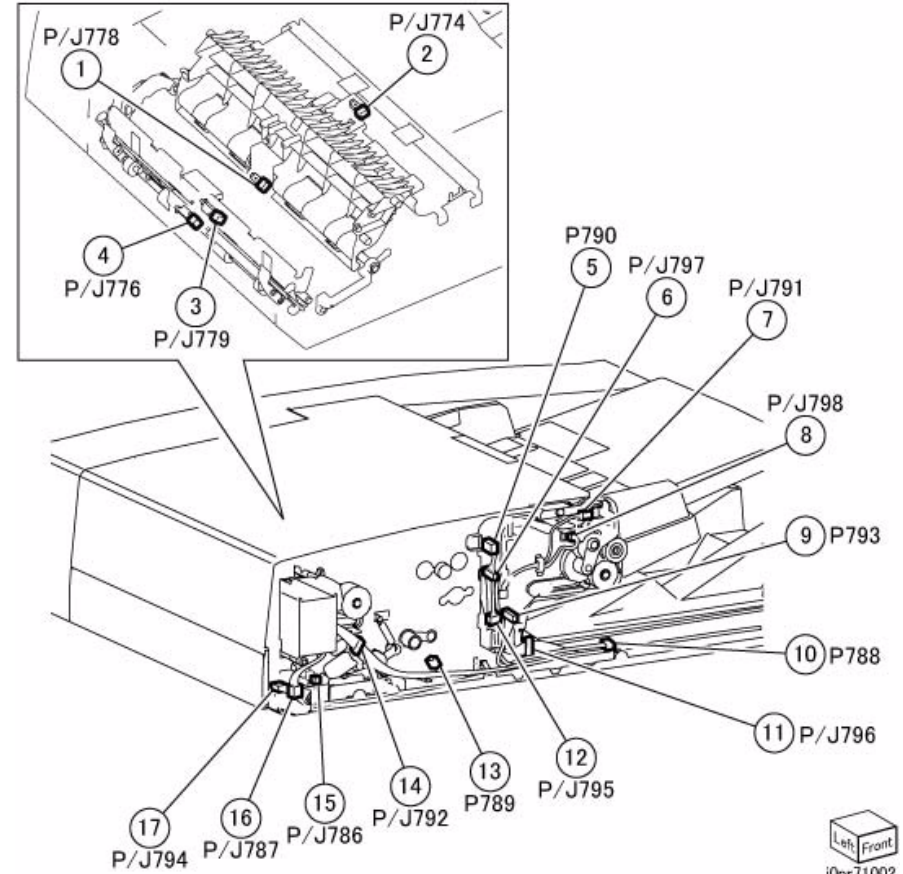


Figure 2 DADF 1 of 5 (j0pr71002)



j0pr71002

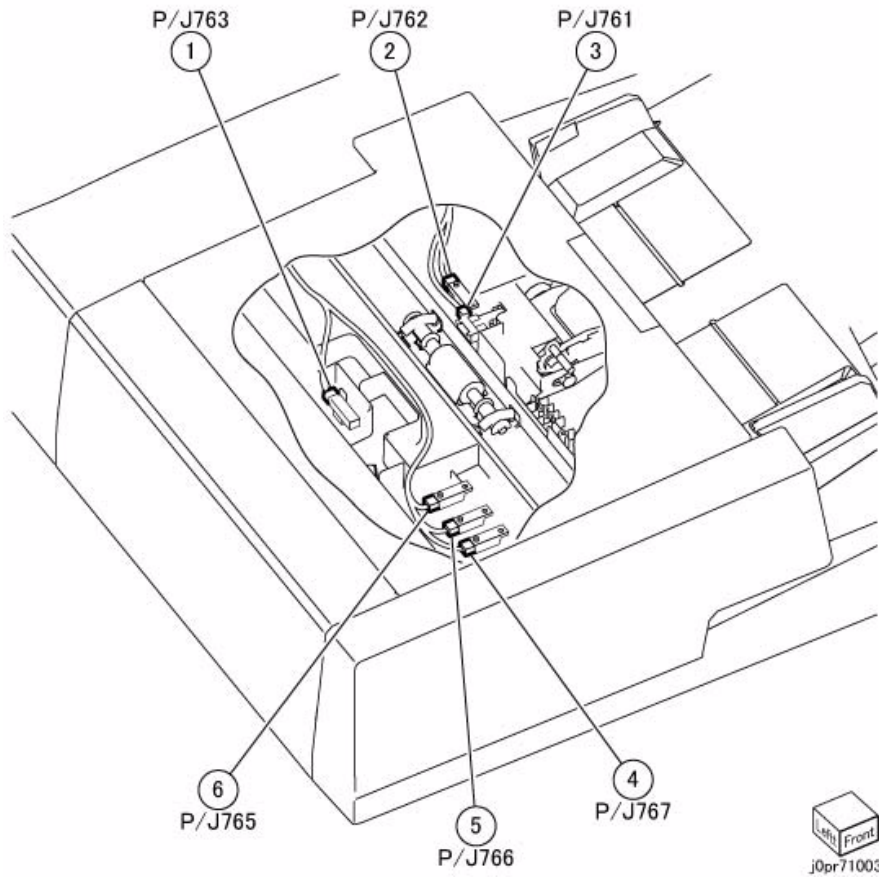


Figure 3 DADF 2 of 5 (j0pr71003)

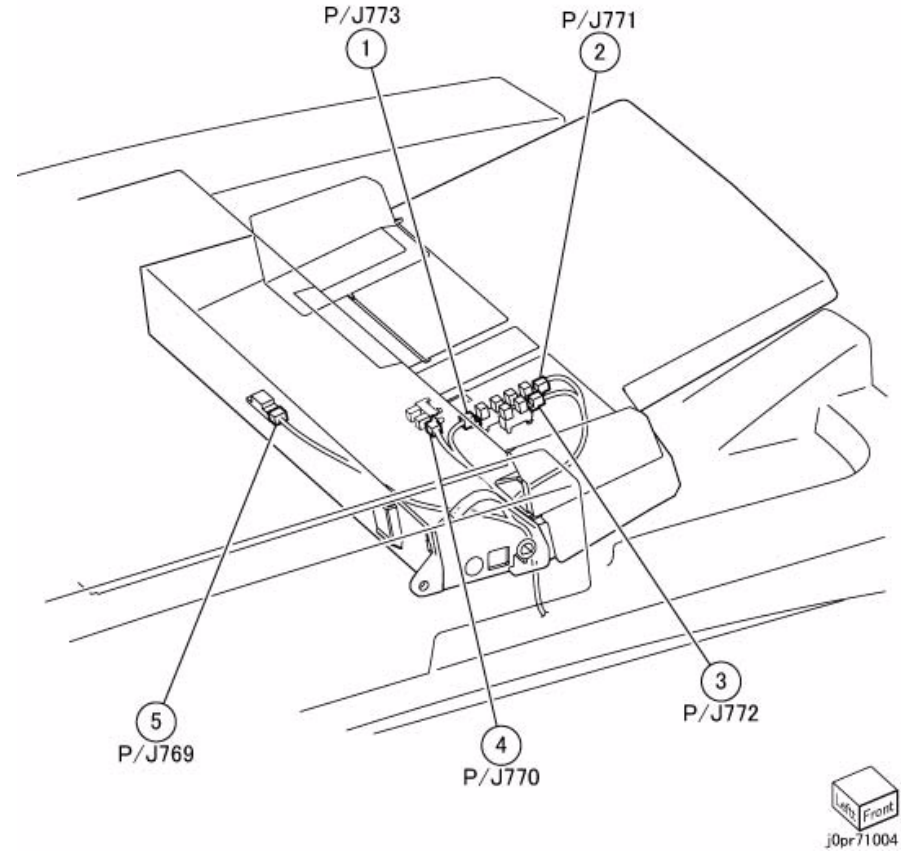


Figure 4 DADF 3 of 5 (j0pr71004)

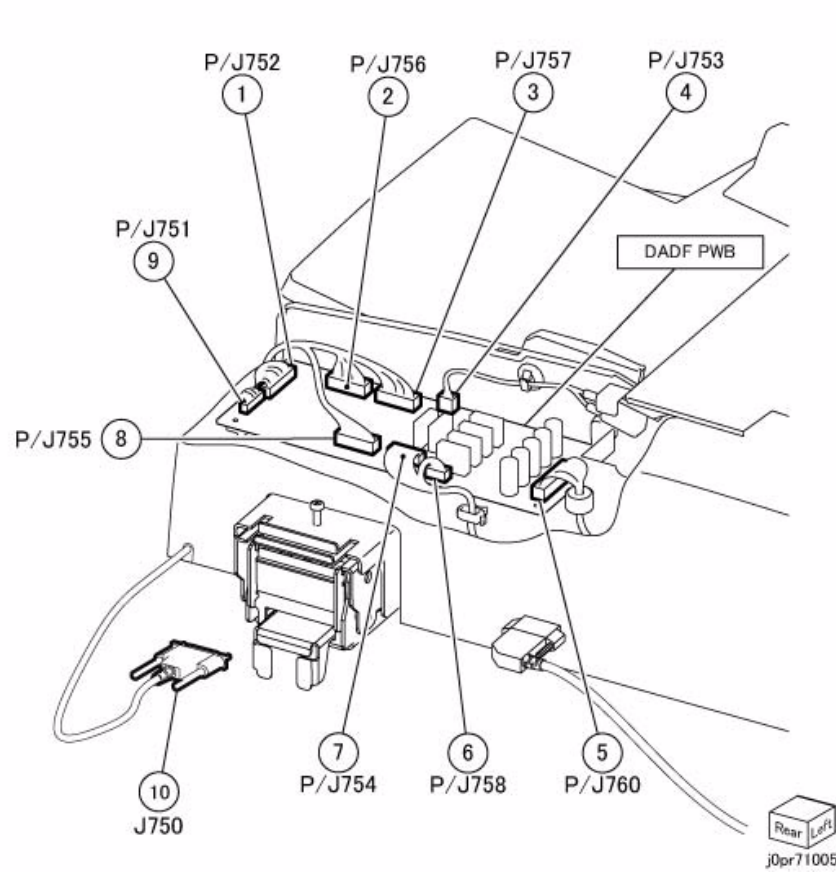


Figure 5 DADF 4 of 5 (j0pr71005)

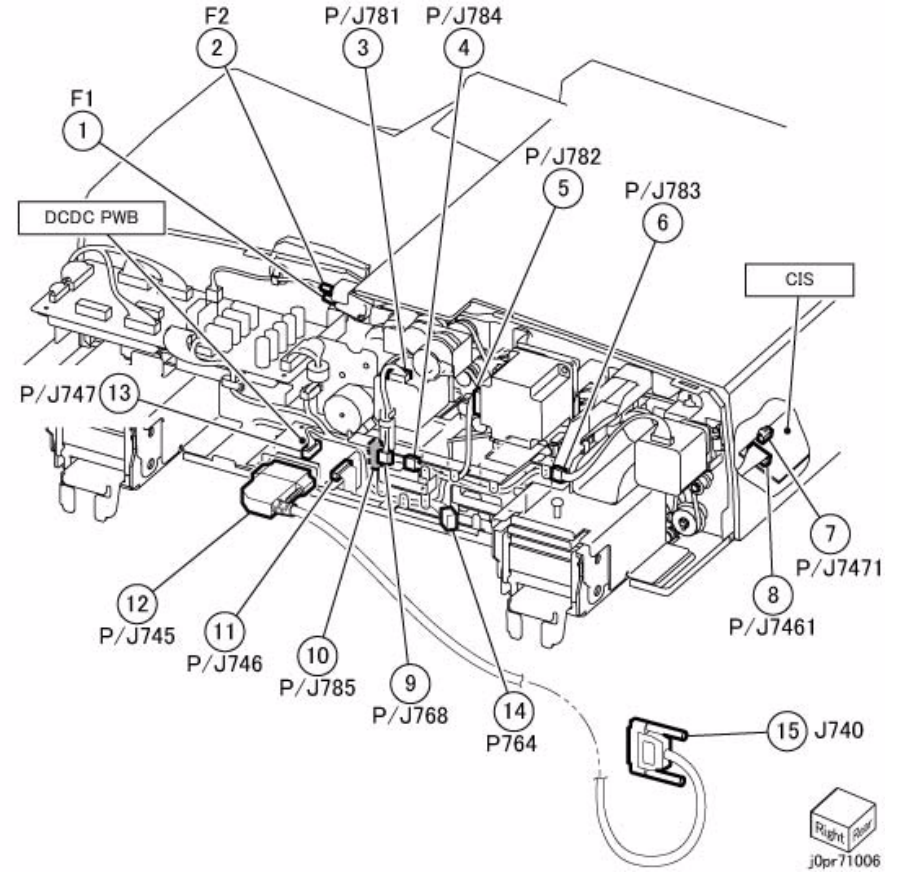


Figure 6 DADF 5 of 5 (j0pr71006)

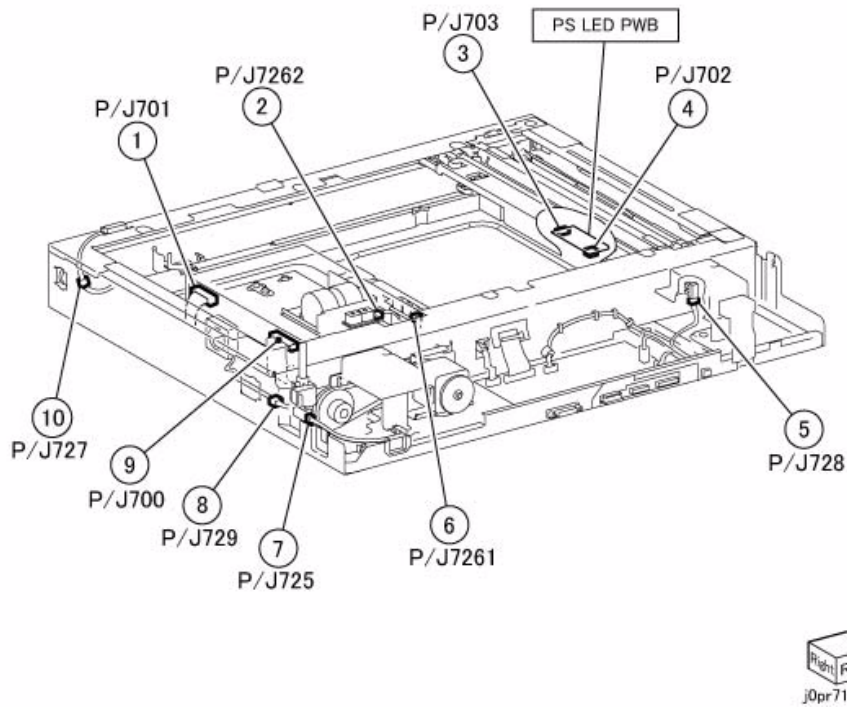


Figure 7 IIT ASSEMBLY (j0pr71007)

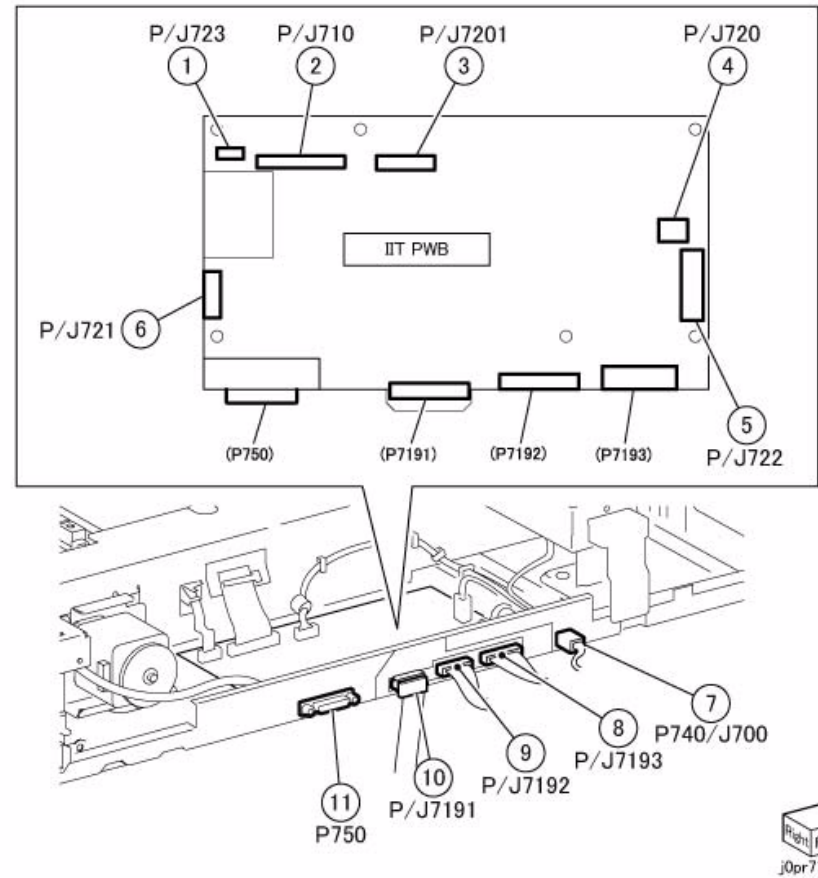


Figure 8 IIT/IPS PWB (j0pr71008)

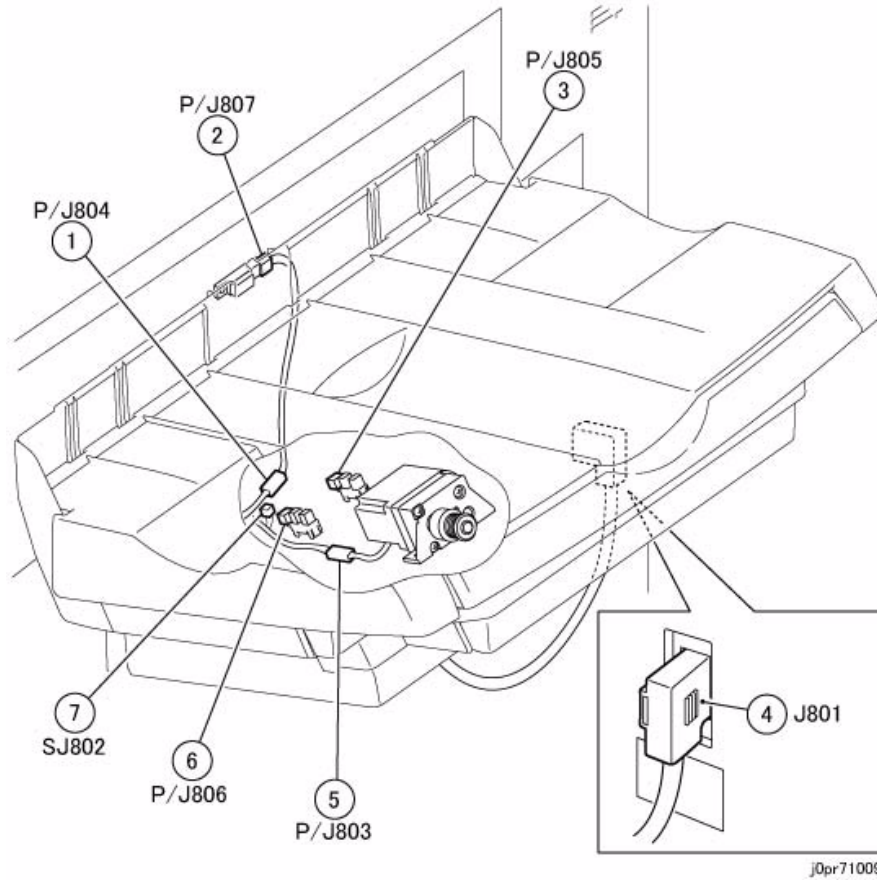


Figure 9 OCT (j0pr71009)

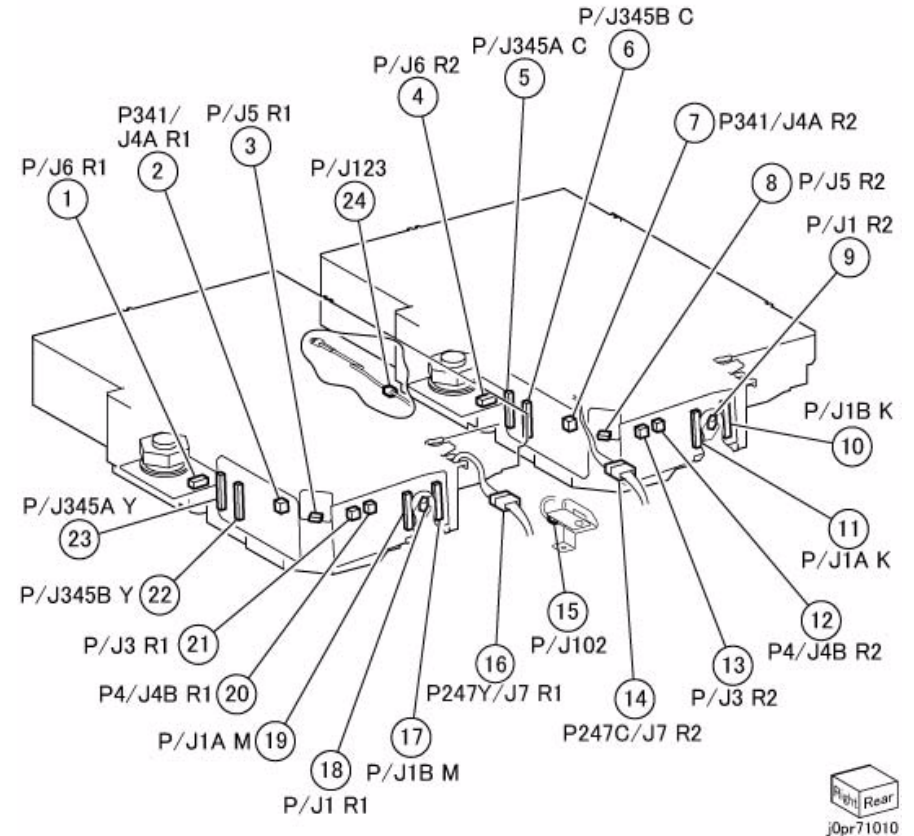


Figure 10 ROS (j0pr71010)

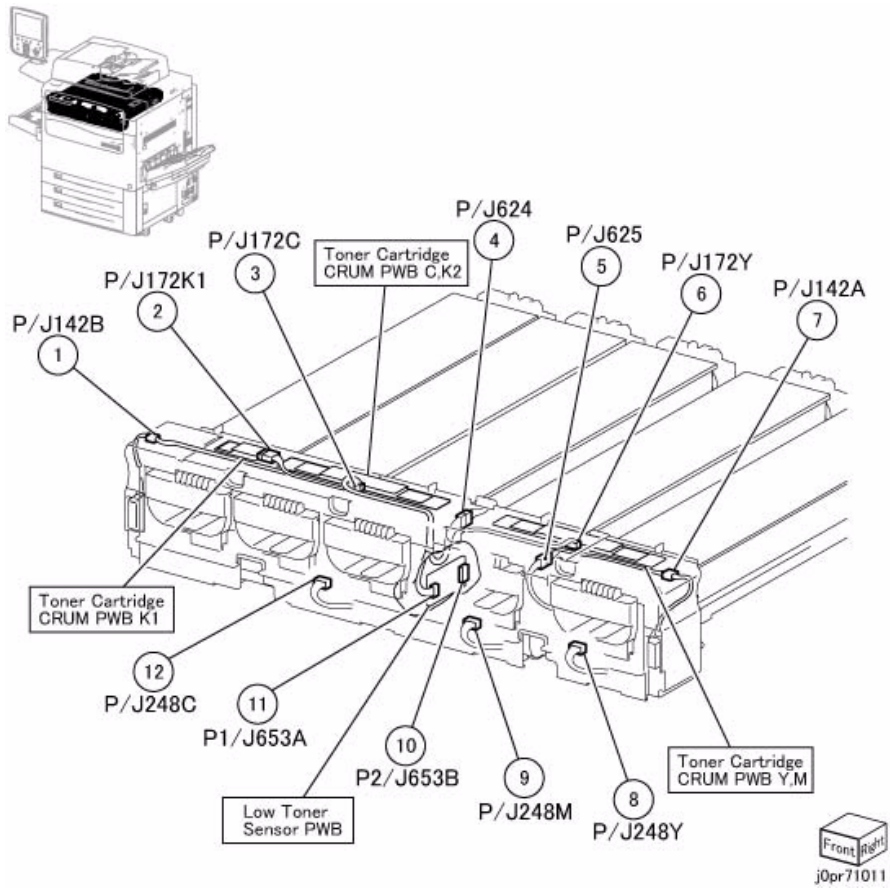


Figure 11 DISPENSER 1 of 3 (j0pr71011)

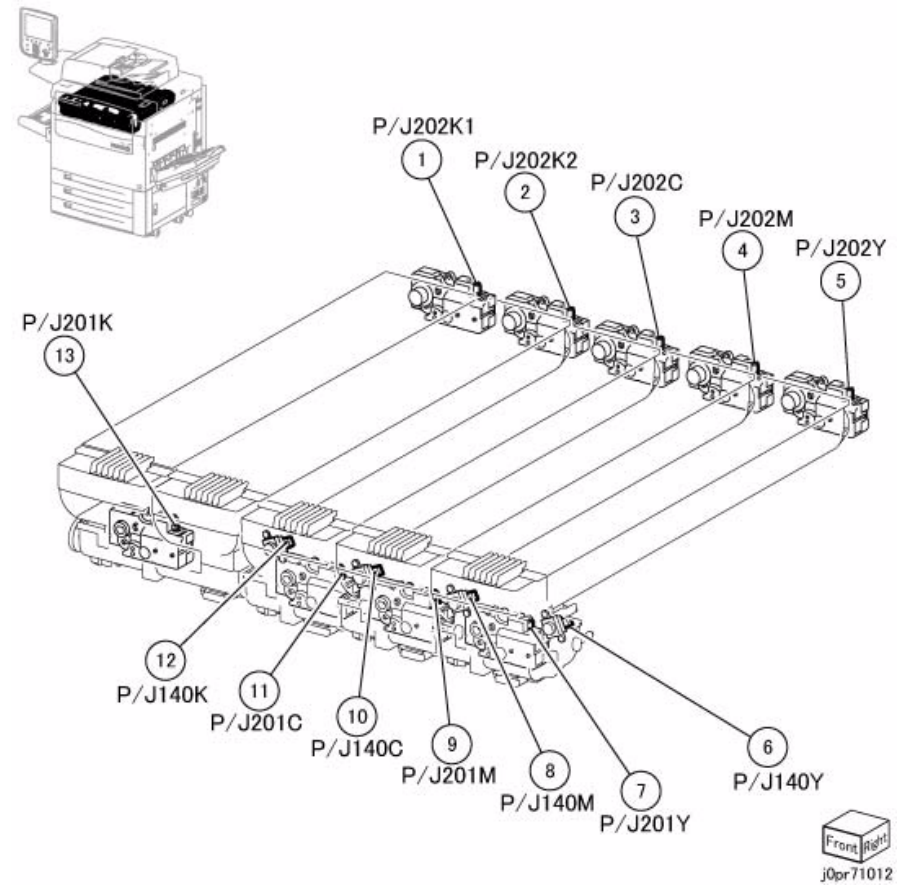


Figure 12 DISPENSER 2 of 3 (j0pr71012)

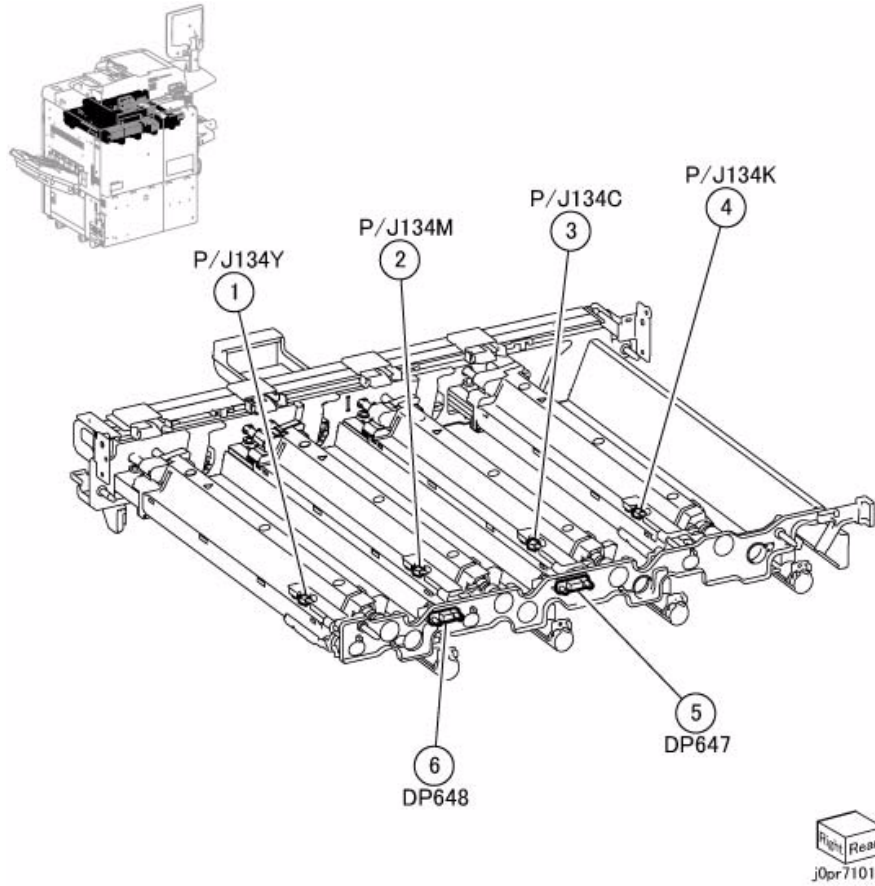


Figure 13 DISPENSER 3 of 3 (j0pr71013)

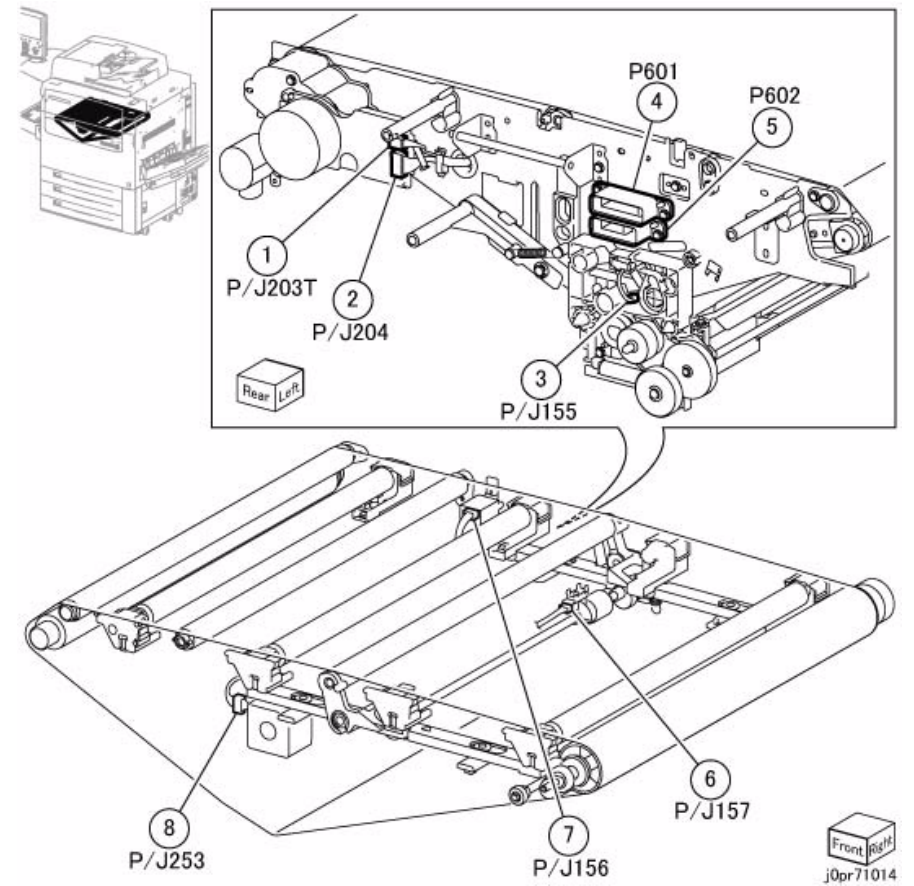
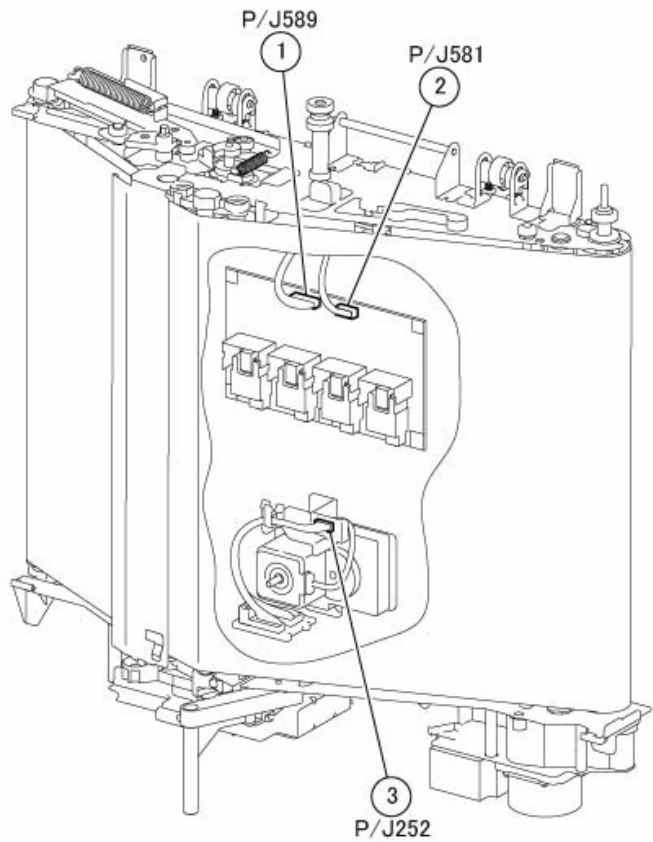
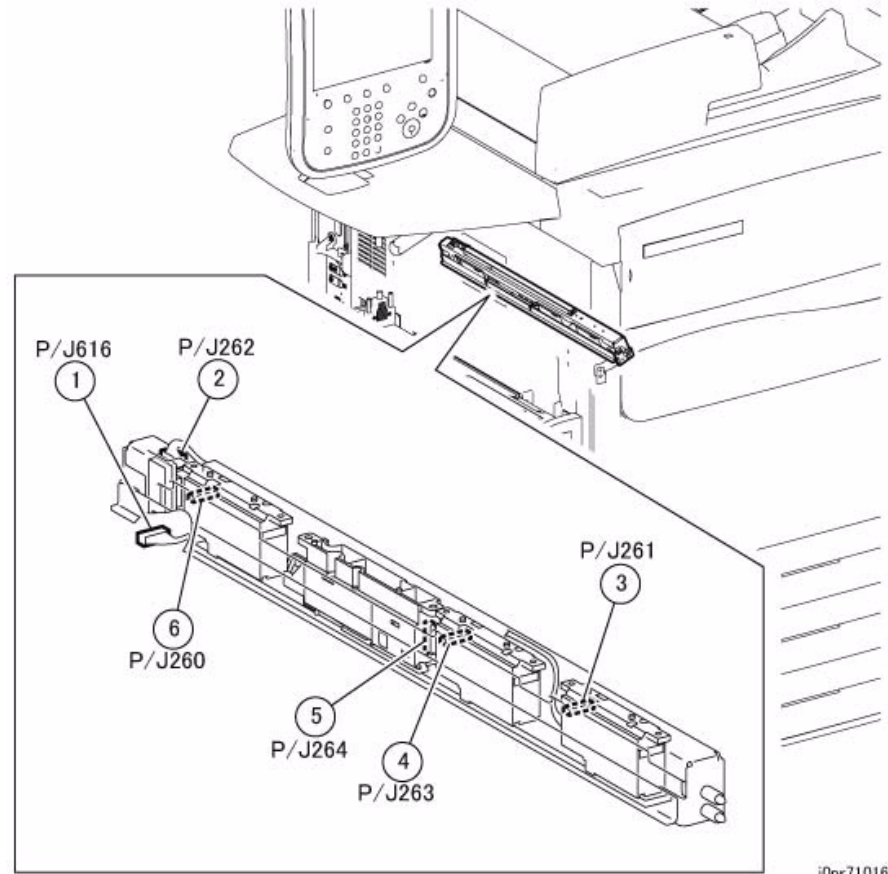


Figure 14 IBT 1 of 2 (j0pr71014)



Bottom
j0pr71015

Figure 15 IBT 2 of 2 (j0pr71015)



j0pr71016

Figure 16 MOB ASSEMBLY (j0pr71016)

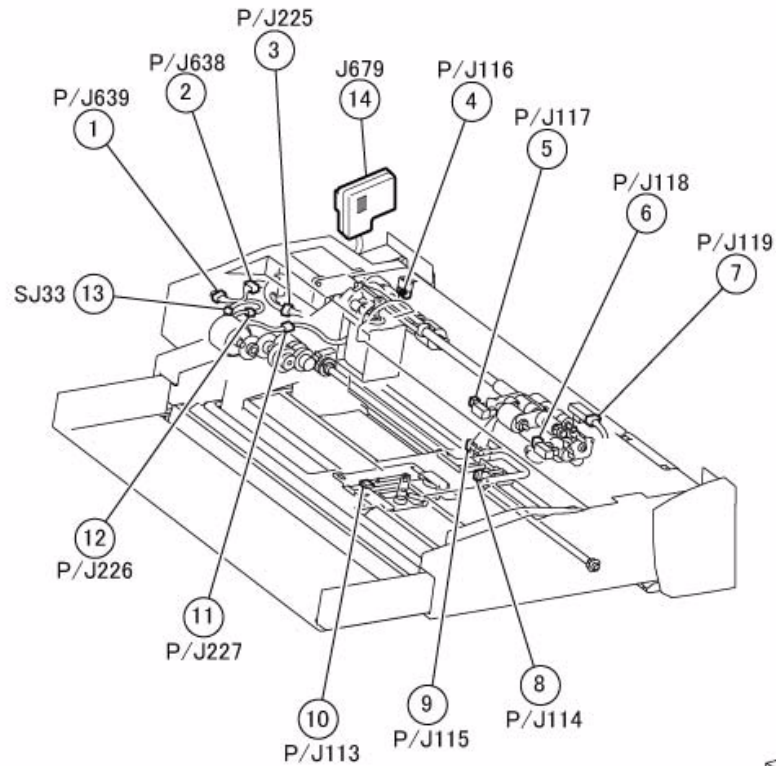


Figure 17 MSI (j0pr71017)

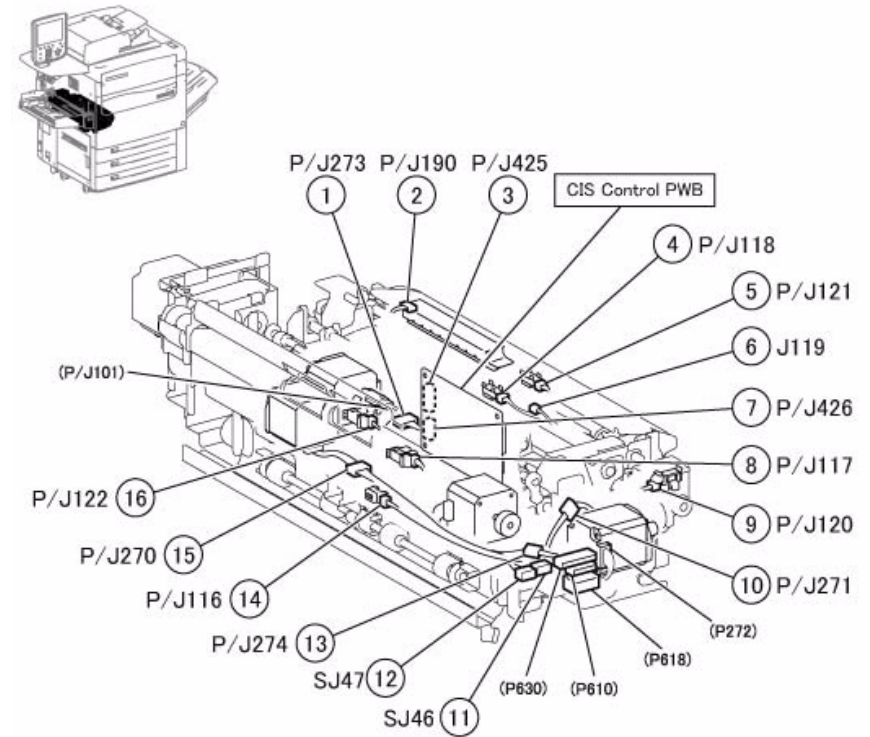


Figure 18 REGISTRATION ASSEMBLY (j0pr71018)

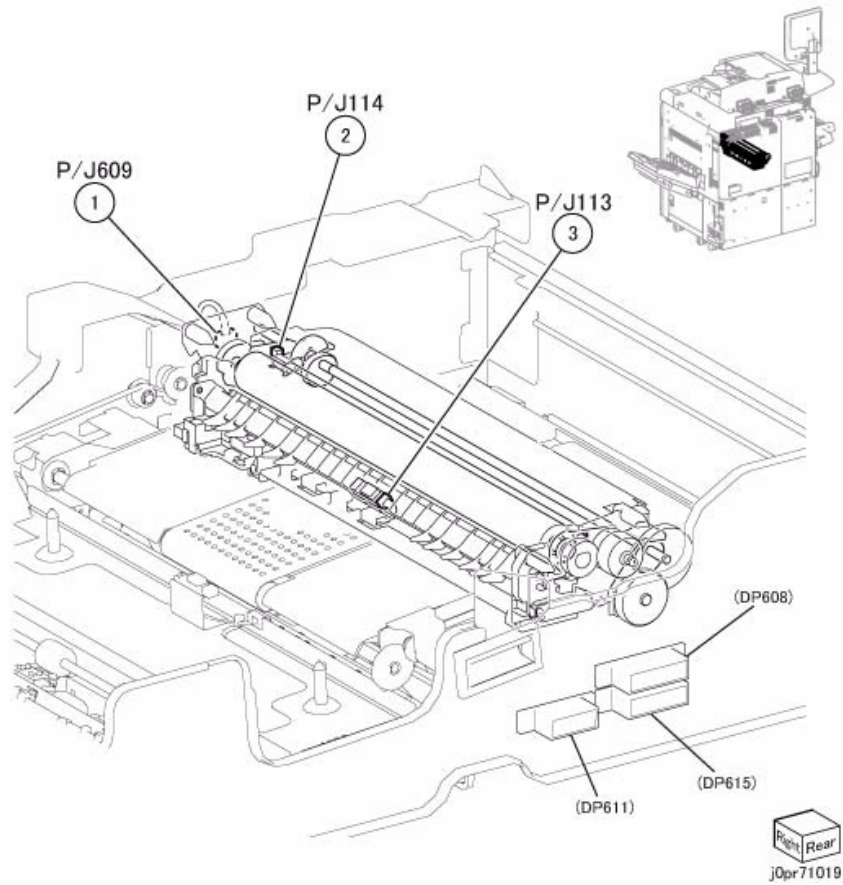


Figure 19 2ND BTR ASSEMBLY (j0pr71019)

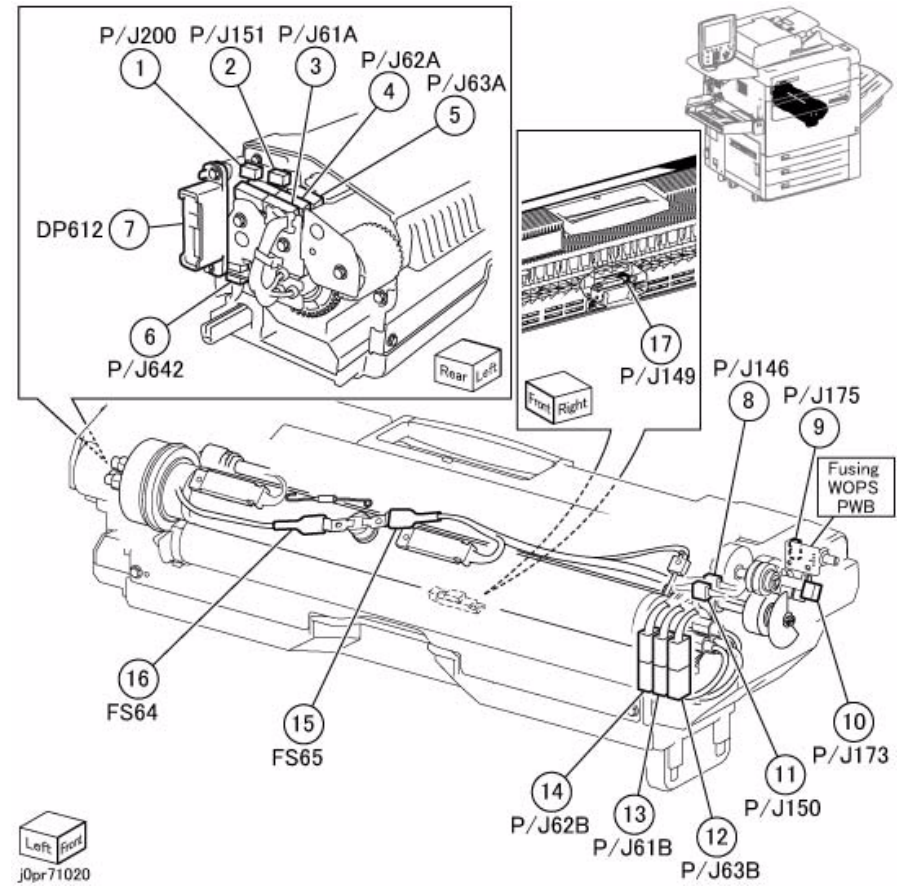


Figure 20 FUSING UNIT (j0pr71020)

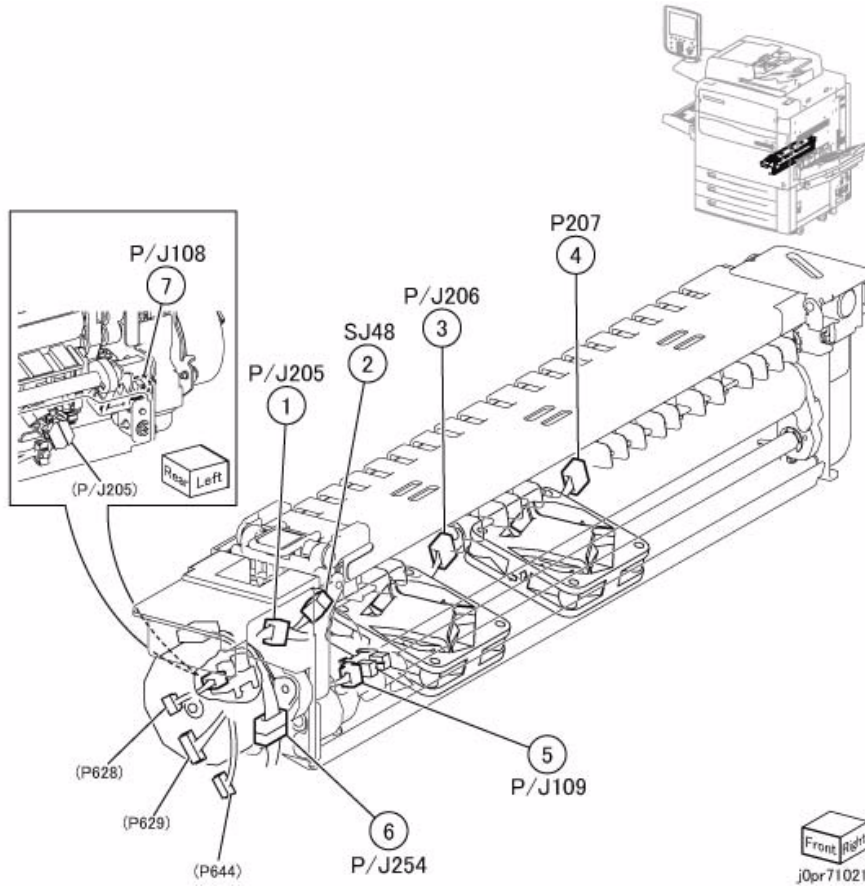


Figure 21 DECURLER ASSEMBLY (j0pr71021)

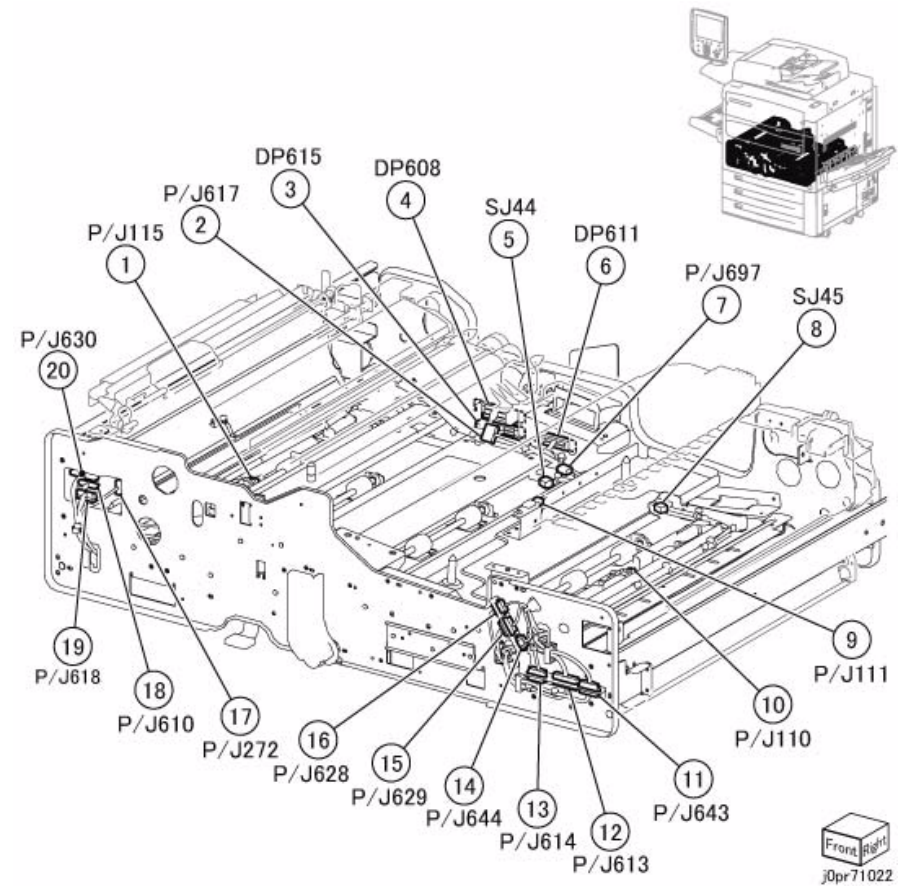


Figure 22 DRAWER UNIT (j0pr71022)

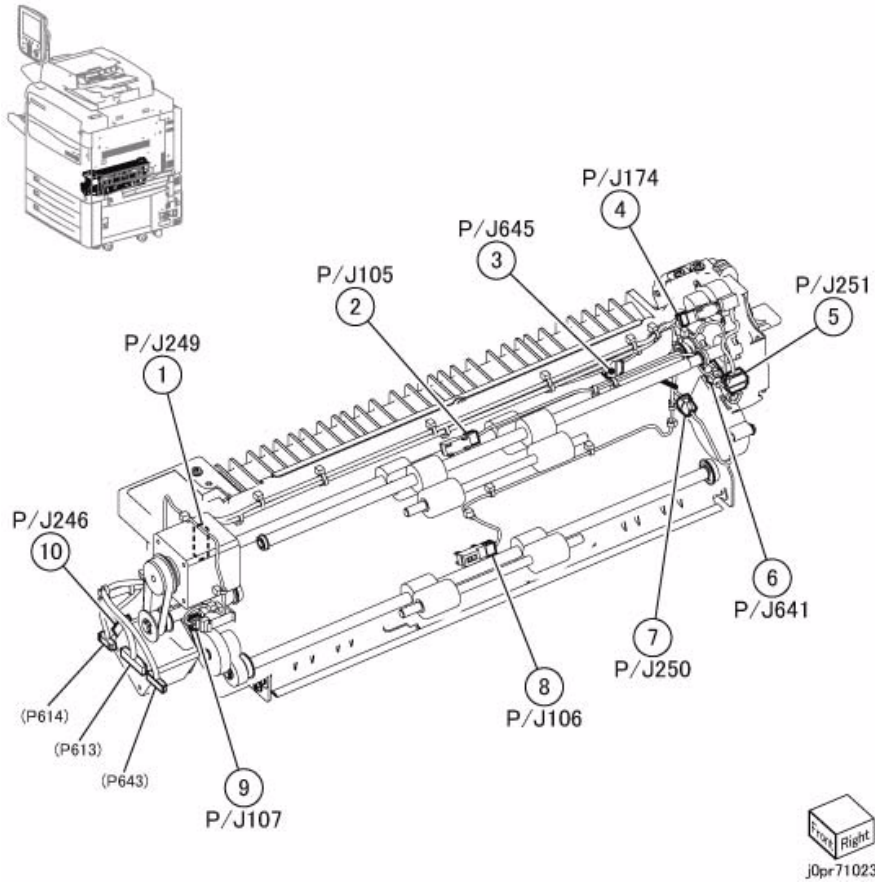


Figure 23 EXIT FANS, WASTE BOTTLE FULL SENSOR (j0pr71023)

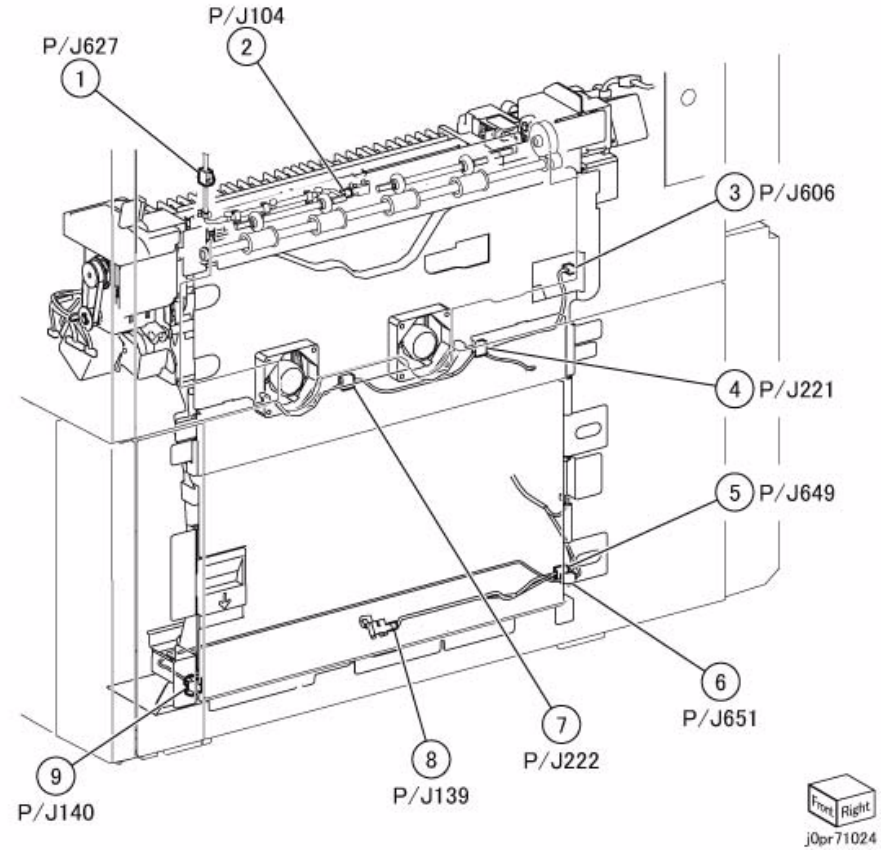


Figure 24 INVERTER TRANSPORT 1 of 2 (j0pr71024)

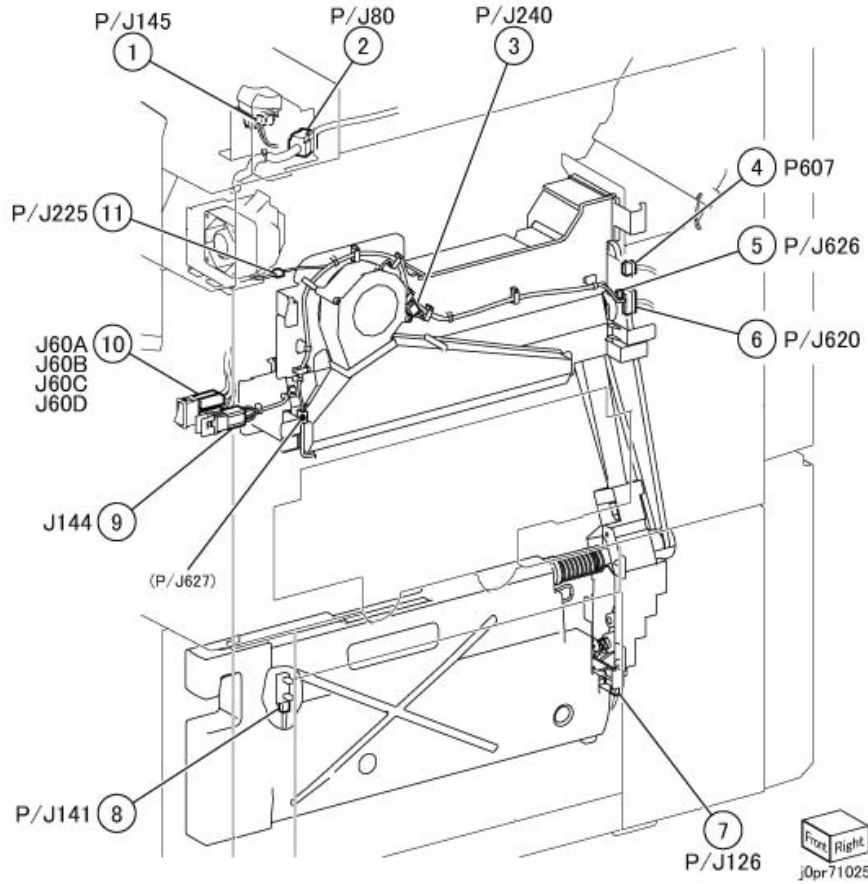


Figure 25 INVERTER TRANSPORT 2 of 2 (j0pr71025)

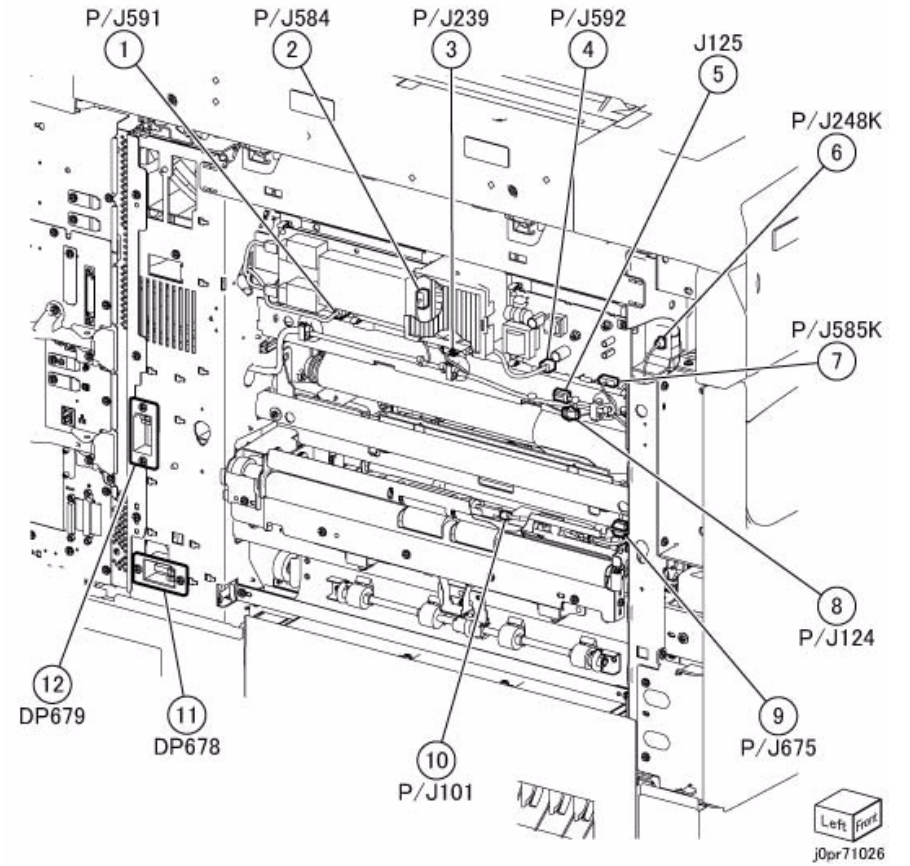


Figure 26 CHARGE (K) PRECLEAN HVPS (j0pr71026)

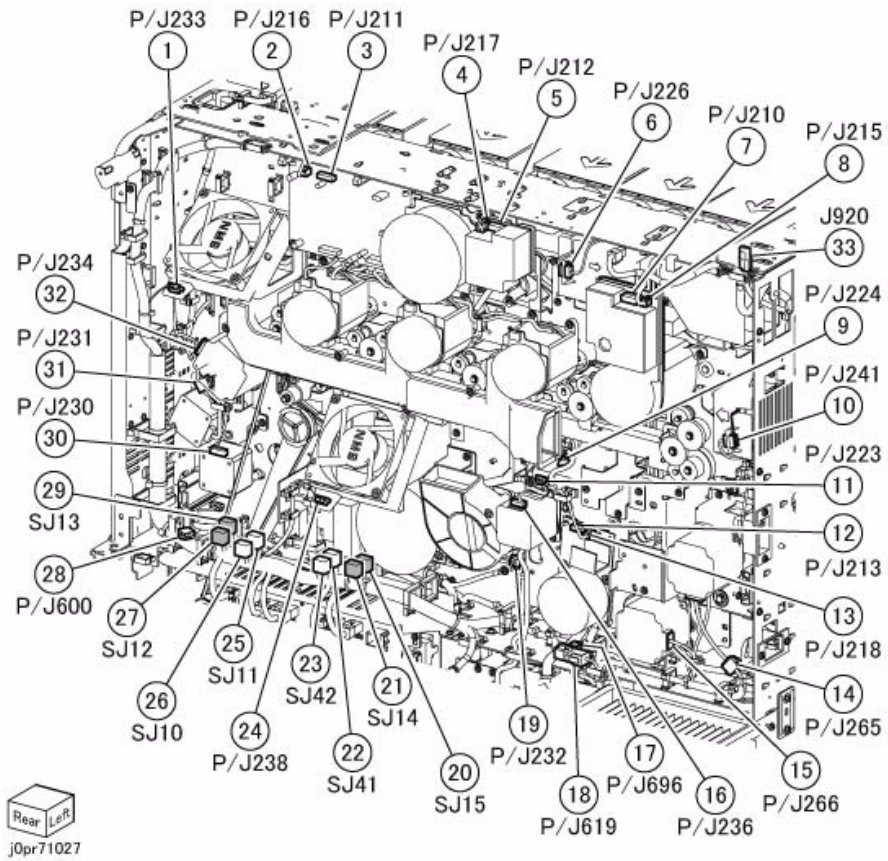


Figure 27 IOT REAR 1 of 2 (j0pr71027)

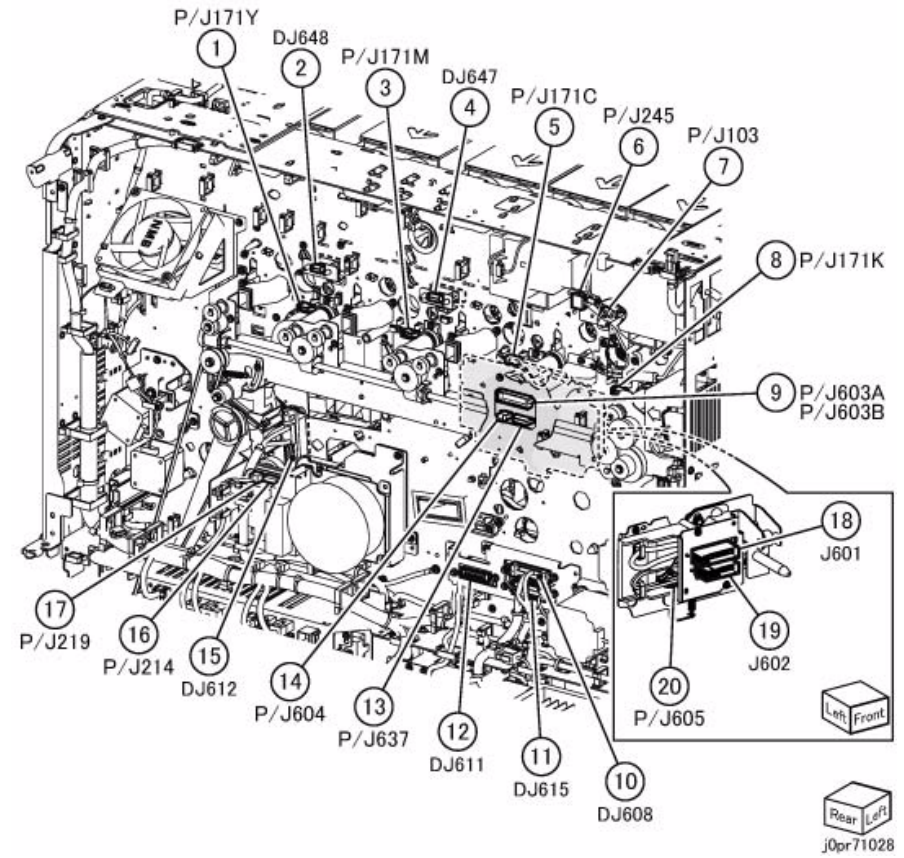


Figure 28 IOT REAR 2 of 2 (j0pr71028)

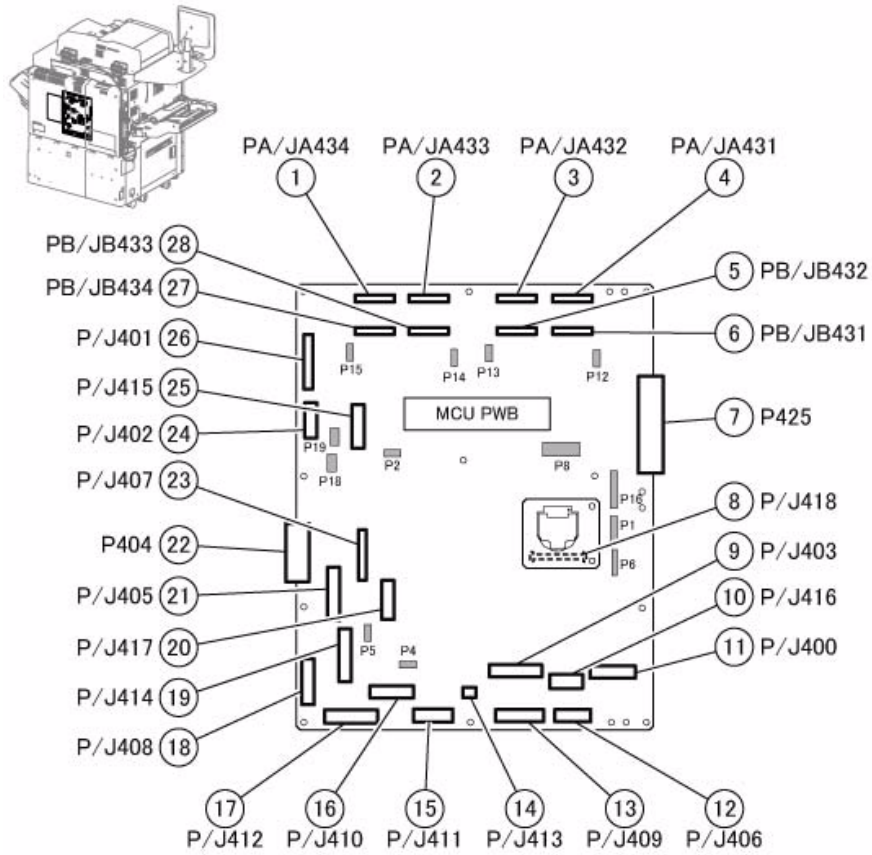


Figure 29 MCU PWB (j0pr71029)

j0pr71029

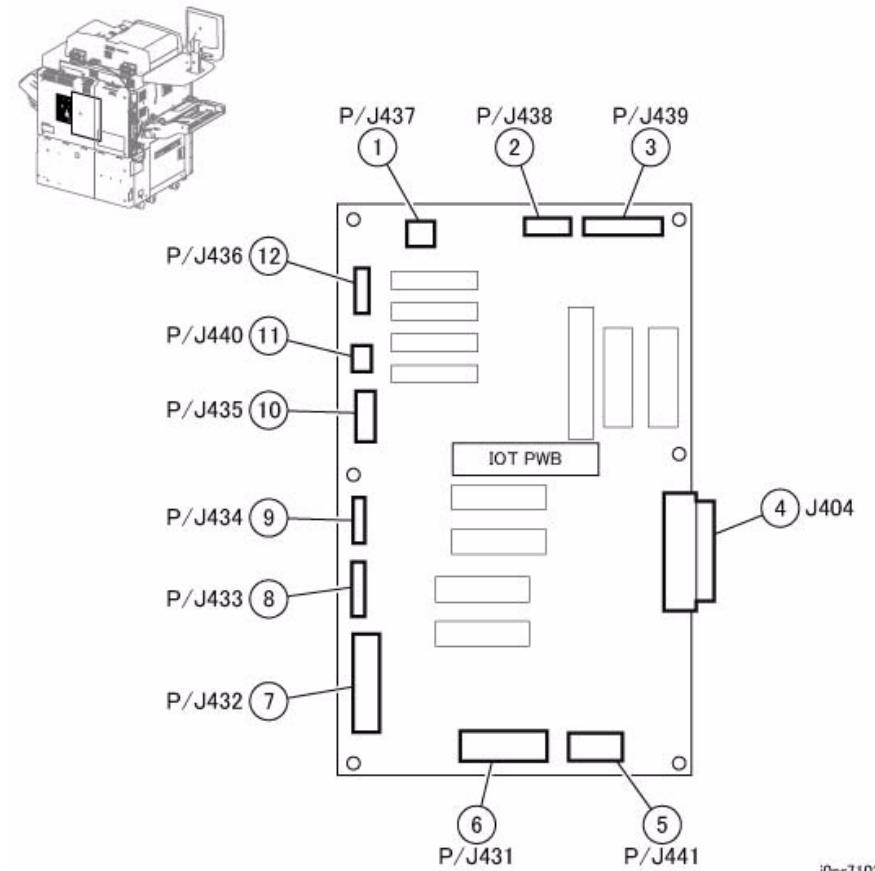
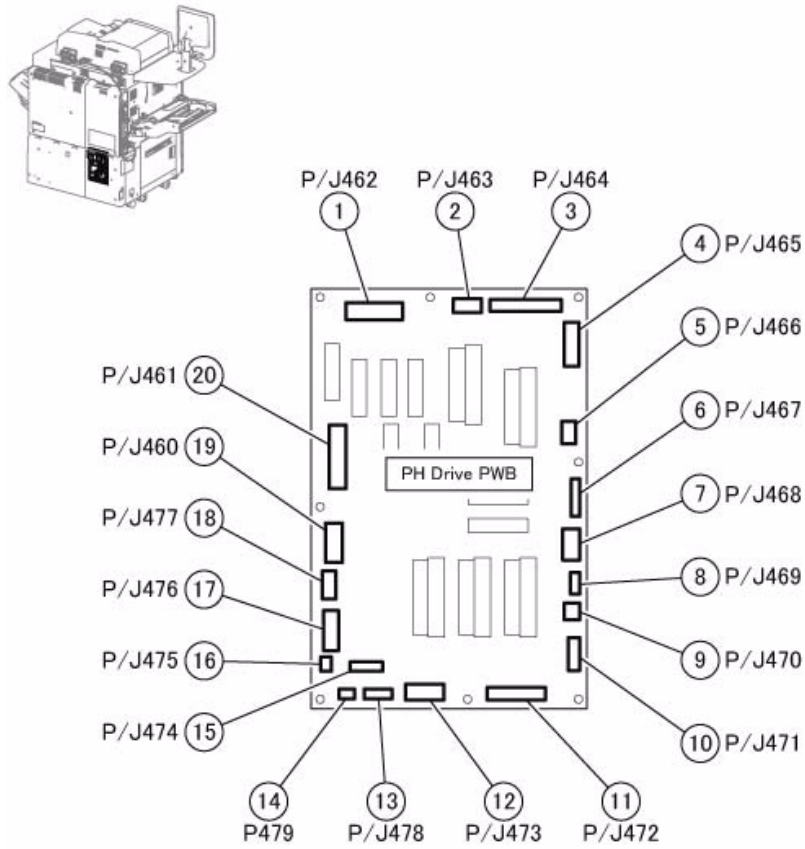


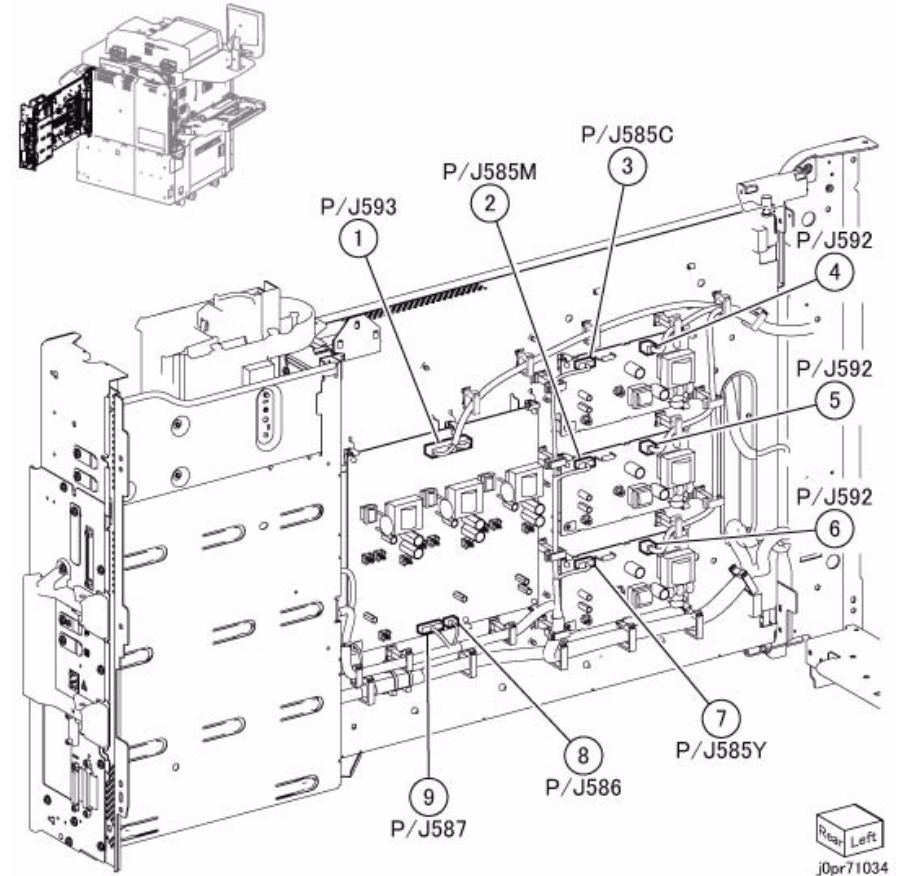
Figure 30 IOT DRIVE PWB (j0pr71030)

j0pr71030



j0pr71033

Figure 33 PH DRIVE PWB (j0pr71033)



j0pr71034

Figure 34 HVPS (Y/M/C) (j0pr71034)

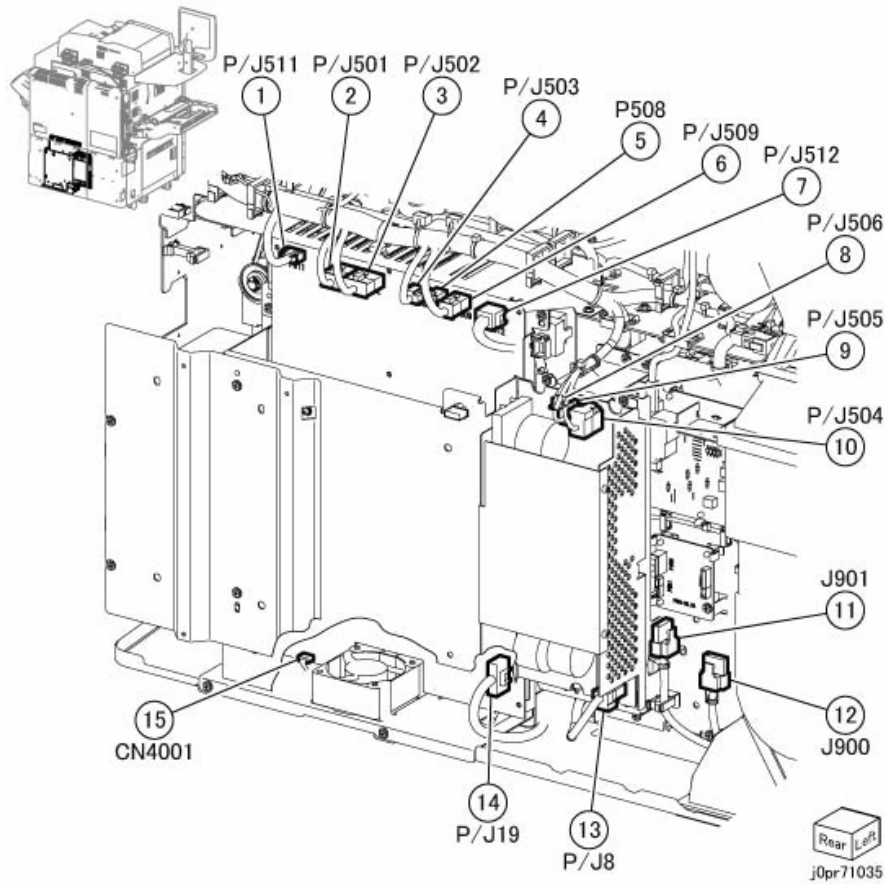


Figure 35 LVPS-N09A / LVPS-CC3 (j0pr71035)

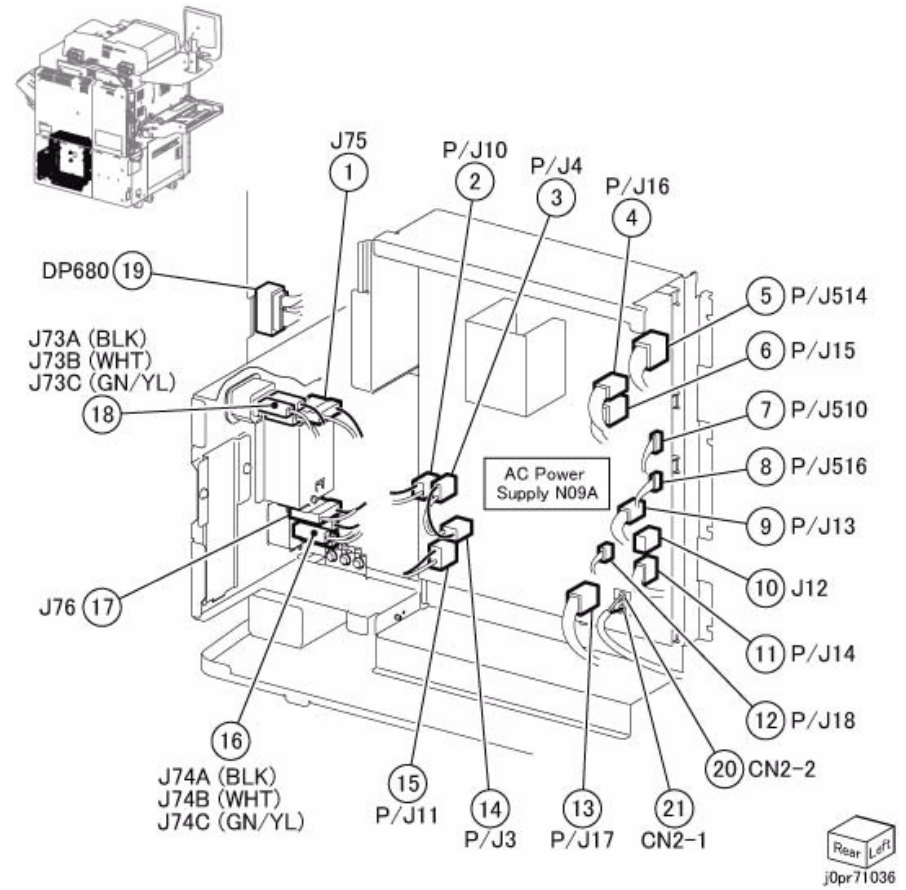


Figure 36 AC POWER PWB / GFI (j0pr71036)

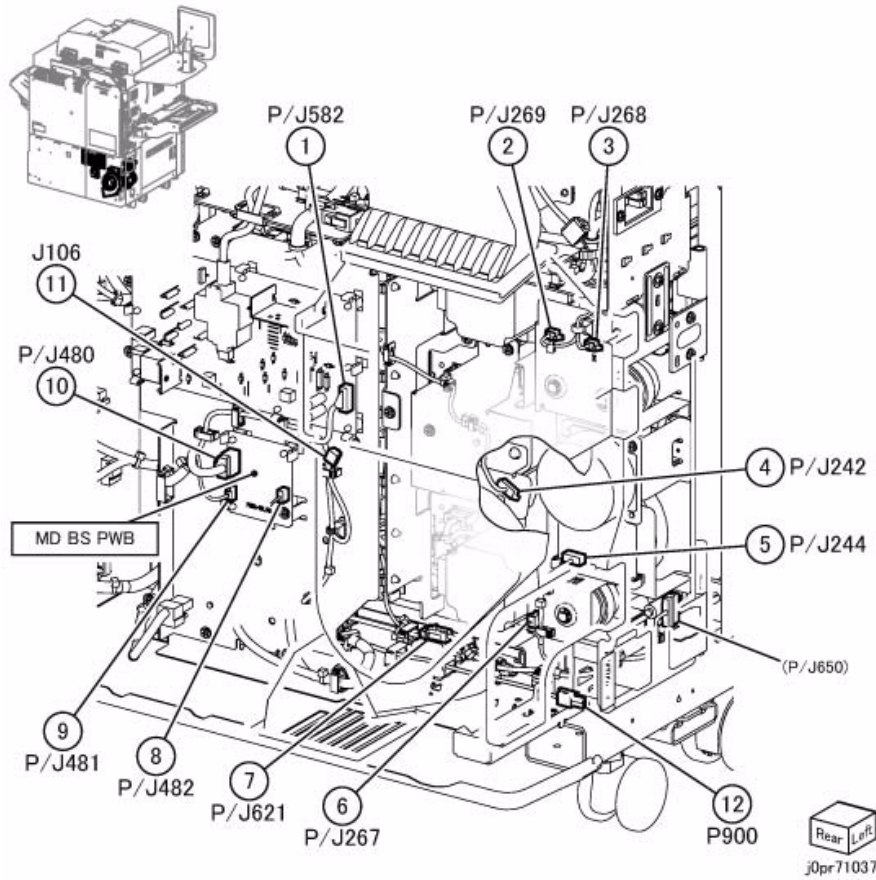


Figure 37 TAKEAWAY MOTOR / TAKEAWAY CLUCH (j0pr71037)

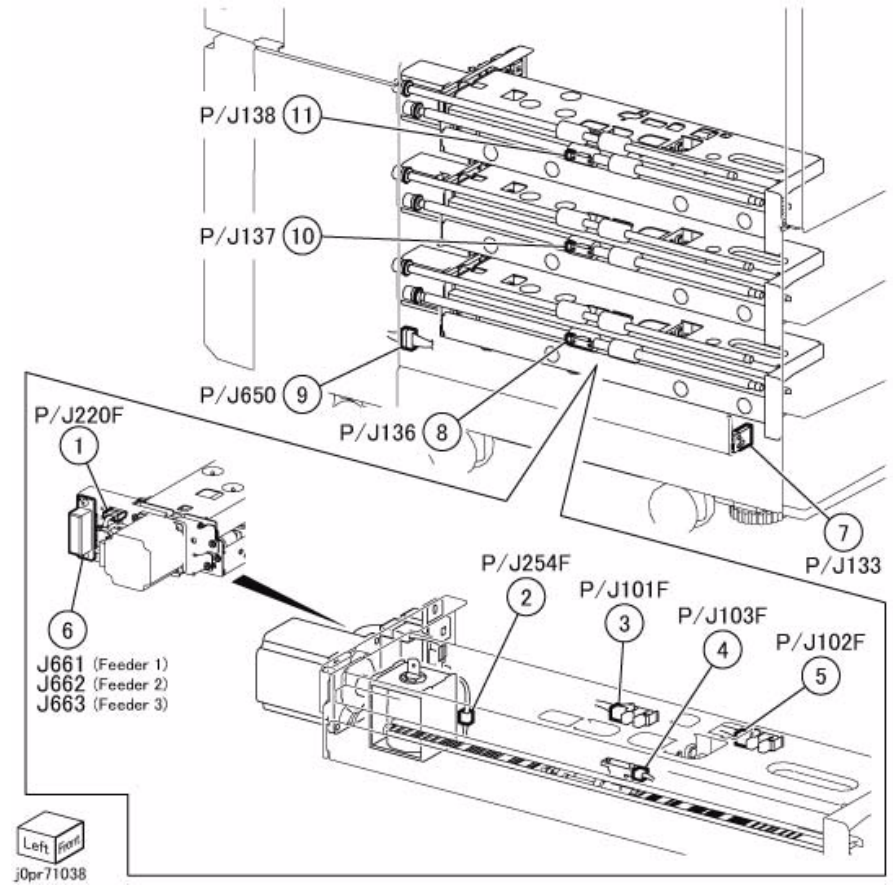


Figure 38 FEEDER UNIT 1/2/3 (j0pr71038)

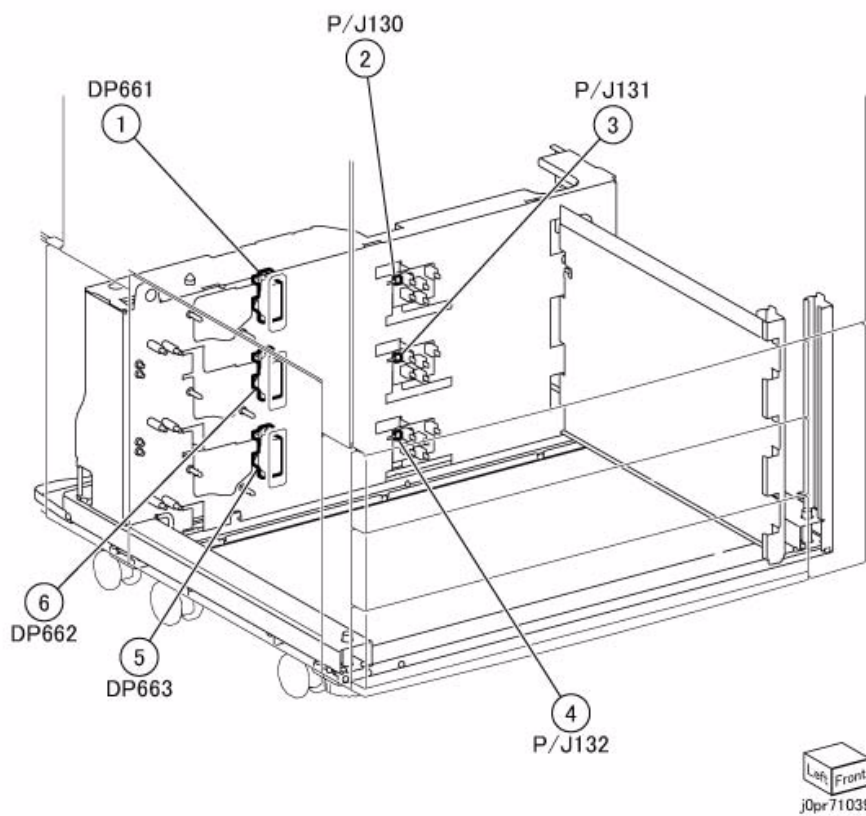


Figure 39 TRAY SIZE SENSOR 1/2/3 (j0pr71039)

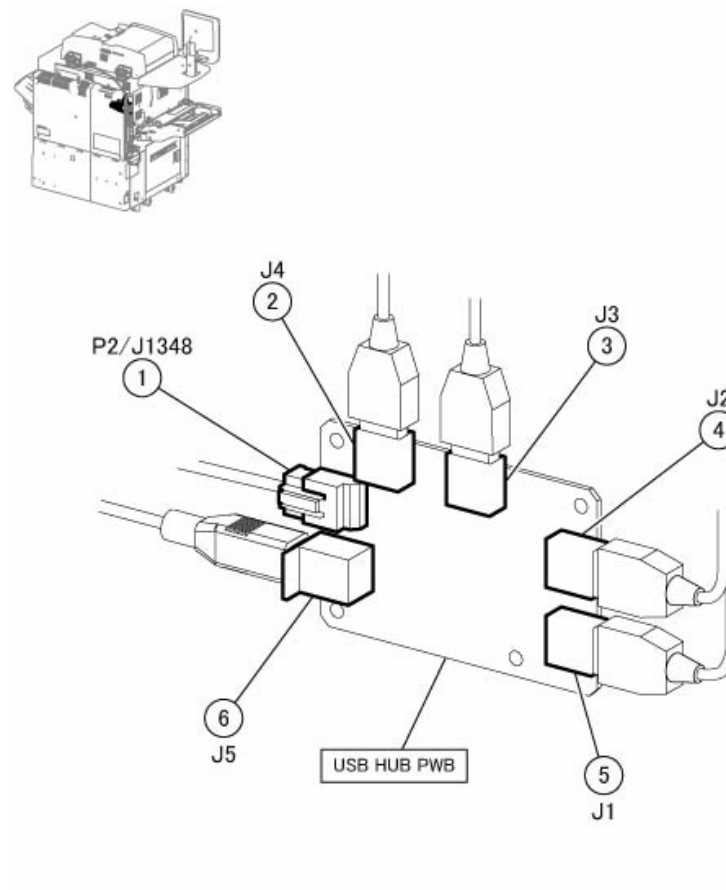


Figure 40 USB HUB PWB (OPTION) (j0pr71040)

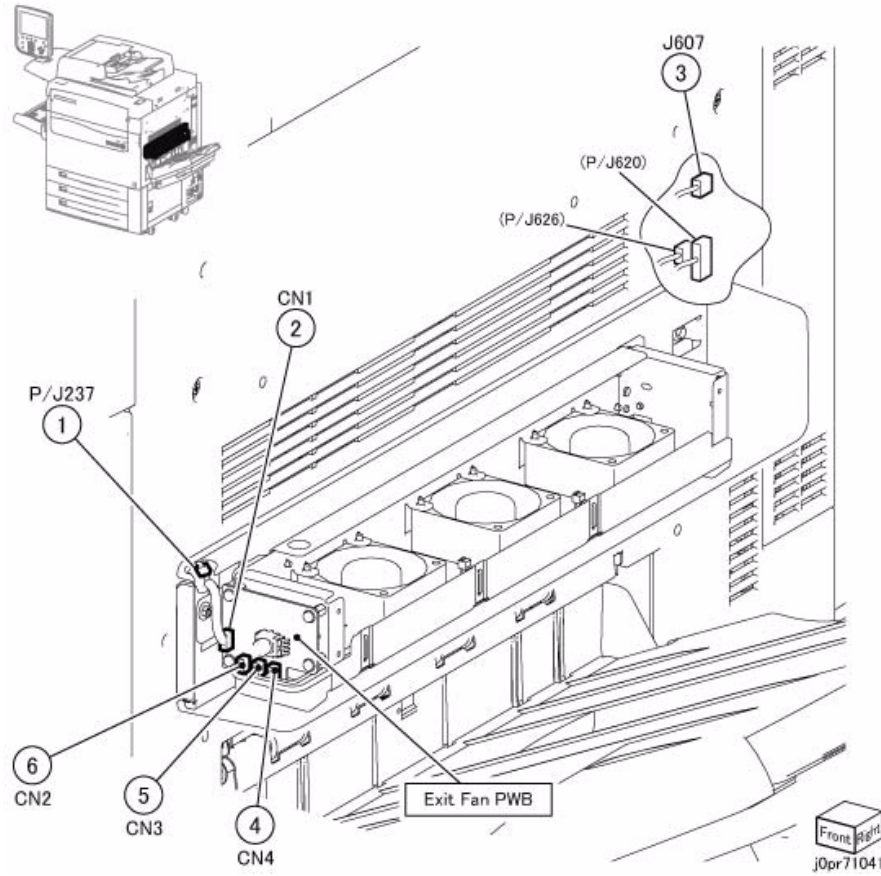


Figure 41 EXIT FAN 1/2/3 (OPTION) (j0pr71041)

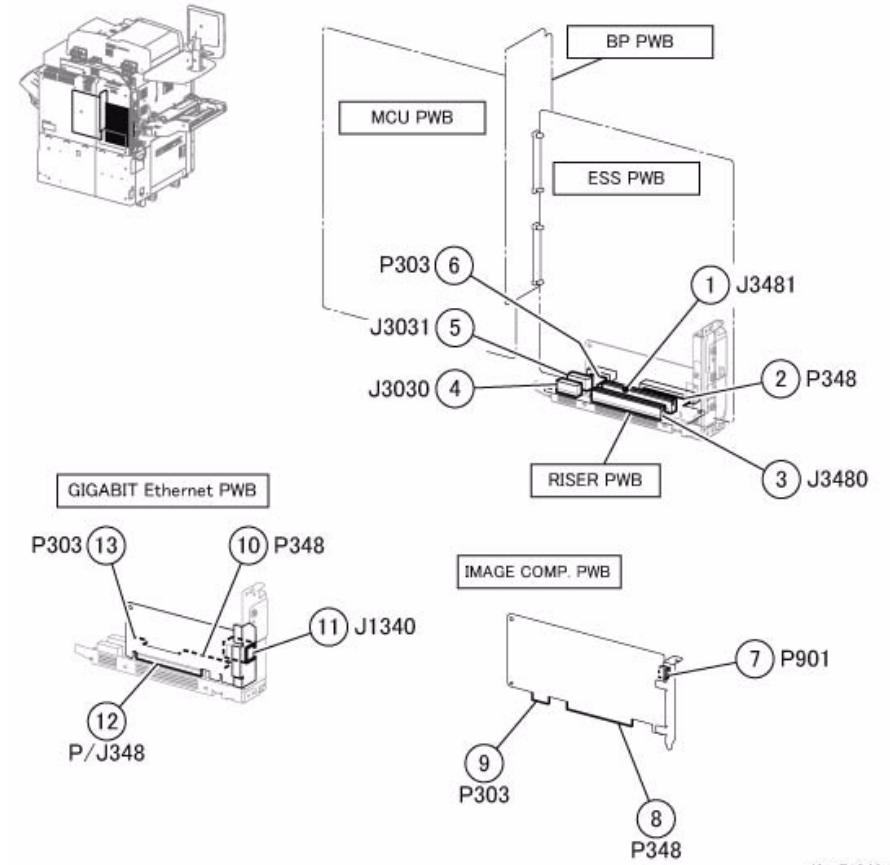


Figure 42 ESS OPTION PWB (j0pr71042)

7.1.37.1 I/F Module Plug/Jack List

Table 1 I/F Module Plug/Jack List

P/J No.	FigureNo.	Item	Remarks (Where to connect)
P/J1	1	6	
T1	1	10	
T2	1	9	
T3	1	8	
T4	1	7	
P/J101	3	15	
P/J102	3	14	
P/J103	3	13	
P104	3	12	
P/J105	3	7	
P/J106	3	6	
P107	3	5	
P108	3	4	
P111	3	3	
P112	3	2	
P/J113	3	19	
P/J114	3	18	
P/J116	3	1	
P/J117	3	10	
P/J119	3	9	
P/J120	3	16	
P/J130	3	11	
P/J131	3	17	
P/J133	3	8	
P/J202	1	13	
P/J203	1	3	
P/J204	2	9	
P/J205	2	8	
P/J206	2	2	
P/J207	1	12	
P/J213	2	1	
P/J214	2	6	
P/J219	1	1	
P/J231	2	3	
P/J233	2	5	
P/J235	2	4	
P/J236A	2	7	
P/J237	2	12	

Table 1 I/F Module Plug/Jack List

P/J No.	FigureNo.	Item	Remarks (Where to connect)
P/J238	2	13	
P/J239	2	14	
P/J240	2	11	
P/J242	2	10	
P/J305	4	1	
P/J306	4	2	
P/J307	4	3	
P/J317A	1	14	
P/J317B	1	14	
P/J318A	1	15	
P/J318B	1	15	
P/J319A	1	2	
P/J319B	1	2	
P/J338A	2	15	
P/J338B	2	15	
P/J502	1	11	
P/J505	1	5	
P/J507	1	4	

7.1.37.2 I/F Module Plug/Jack Positions

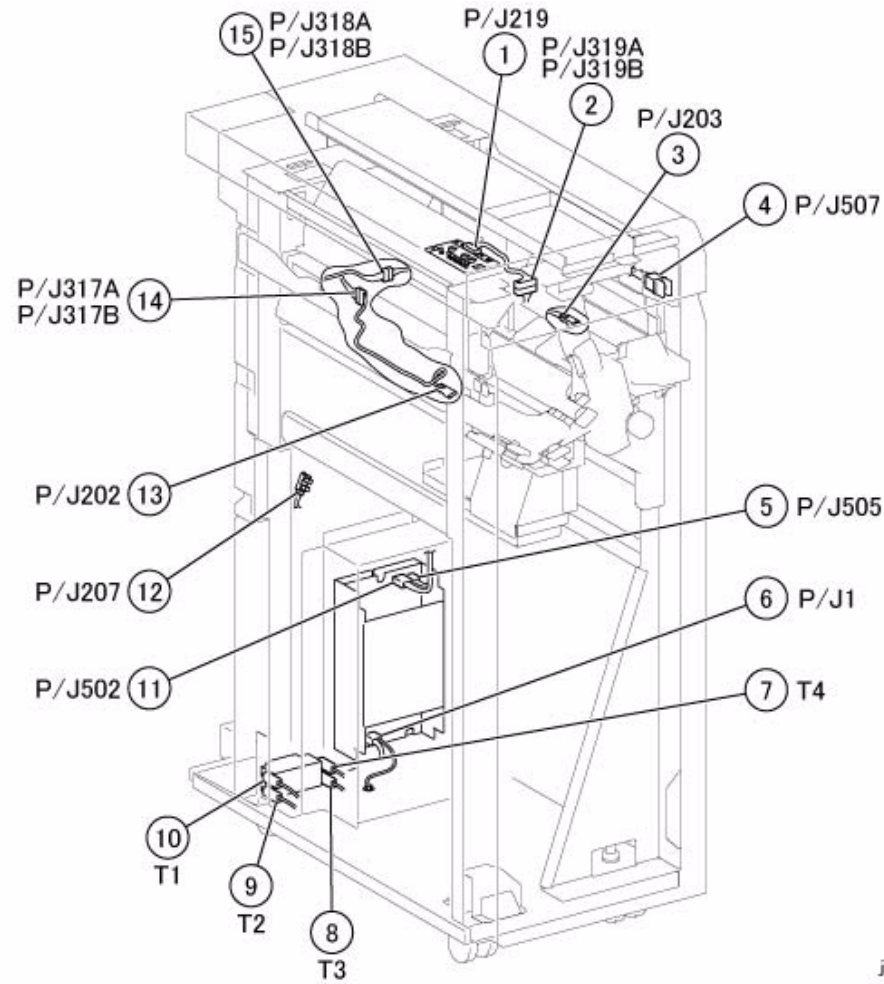


Figure 1 IFM Control Panel/LVPS (j0ib70001)

j0ib70001

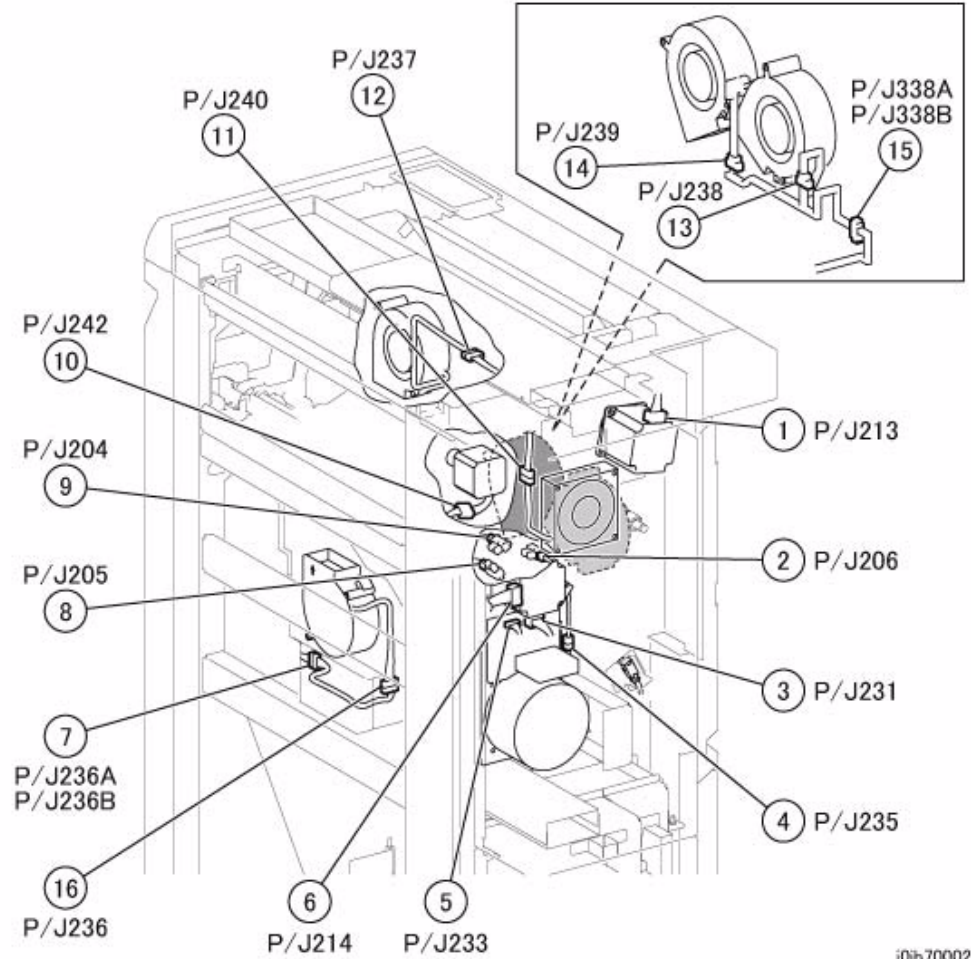


Figure 2 Motor/Fan (j0ib70002)

j0ib70002

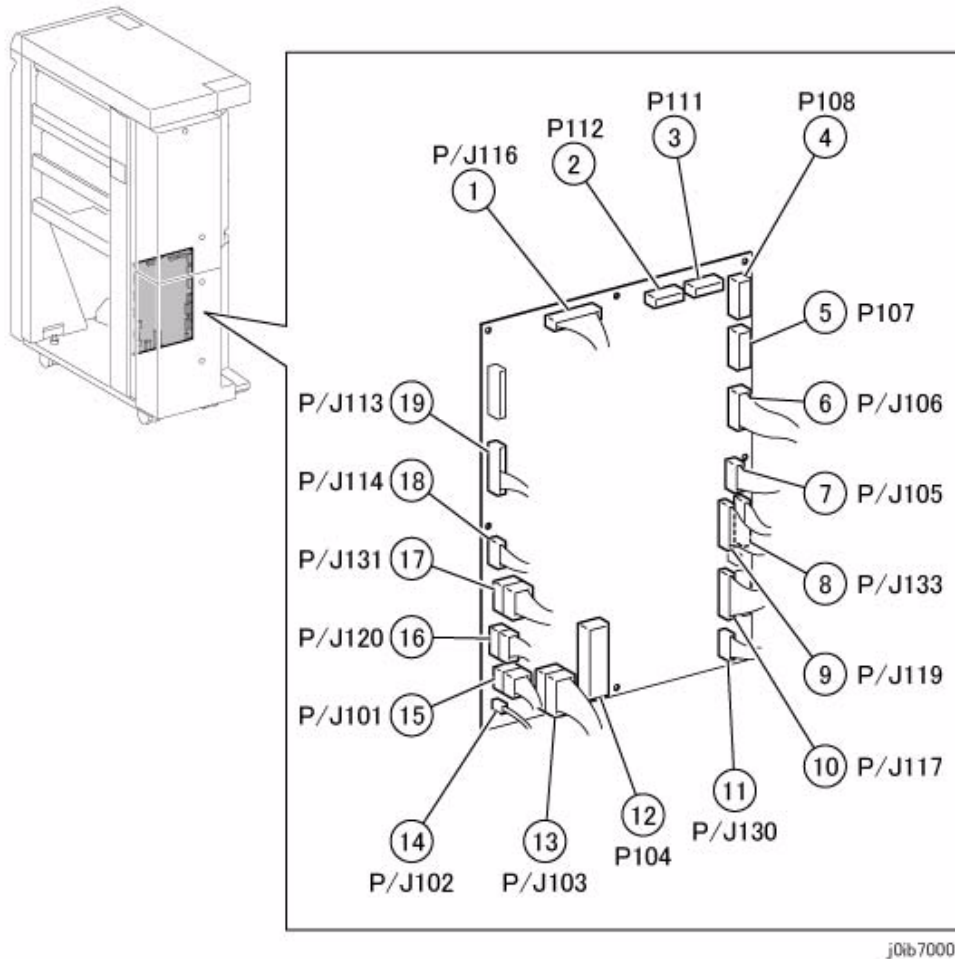


Figure 3 IFM PWB (j0ib70003)

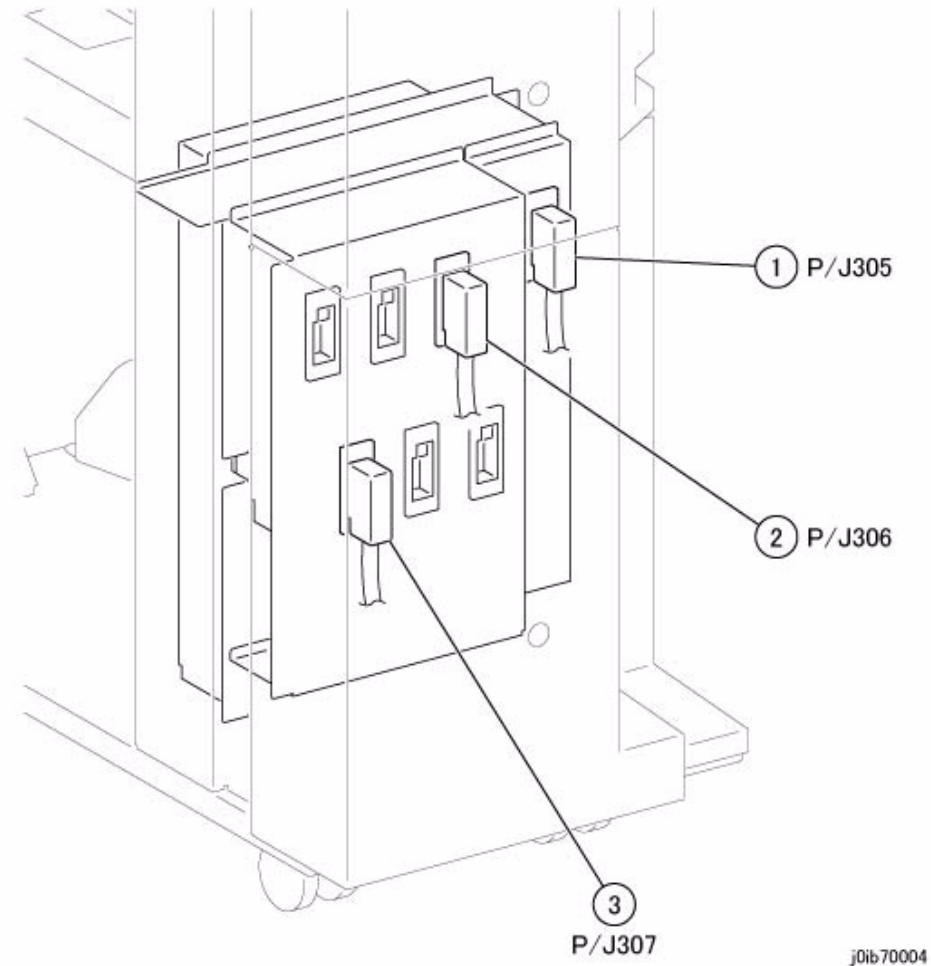


Figure 4 Finishing Device Connection (j0ib70004)

7.1.38.1 I/F Cooling Module Plug/Jack Location List/Positions

Table 1 I/F Cooling Module Plug/Jack Location List

P/J No.	Fig	Item	Remarks (Where to connect)
P/J1	1	5	
P/J101	3	15	
P101	2	19	
P/J102	3	14	
P102	2	20	
P/J103	3	13	
P103	2	18	
P104	3	12	
P/J105	3	7	
P/J106	3	6	
P107	3	5	
P108	3	4	
P111	3	3	
P112	3	2	
P/J113	3	19	
P/J114	3	18	
P/J116	3	1	
P/J117	3	10	
P/J119	3	9	
P/J120	3	16	
P122	3	20	
P/J130	3	11	
P/J131	3	17	
P/J133	3	8	
P/J202	1	14	
P/J203	2	14	
P/J204	2	17	
P/J205	2	16	
P/J206	2	15	
P/J207	1	13	
P/J213	2	3	
P/J214	2	11	
P/J219	1	1	
P/J231	2	9	
P/J233	2	10	
P/J235	2	6	
P/J236A	2	12	
P/J237	2	1	

Table 1 I/F Cooling Module Plug/Jack Location List

P/J No.	Fig	Item	Remarks (Where to connect)
P/J238	1	12	
P/J240	2	2	
P/J242	2	13	
P/J243	2	8	
P/J245	1	19	
P/J305	4	1	
P306	4	2	
P307	4	6	
P308	4	3	
P309	4	4	
P310	4	5	
P312	4	7	
P/J317A	1	15	
P/J317B	1	15	
P/J318A	2	5	
P/J318B	2	5	
P/J319A	1	2	
P/J319B	1	2	
P/J339A	2	7	
P/J339B	2	7	
P/J345A	2	4	
P/J345B	2	4	
J346	3	22	
J347	3	21	
P/J502	1	11	
P/J505	1	4	
P/J507	1	3	
J601	2	19	
J602	2	20	
J603	2	18	
J680	4	8	
USB	1	16	
RS-422	1	17	
Ethernet	1	18	
INLET	1	6	
T1	1	10	
T2	1	9	
T3	1	8	
T4	1	7	

7.1.38.2 I/F Cooling Module Plug/Jack Positions

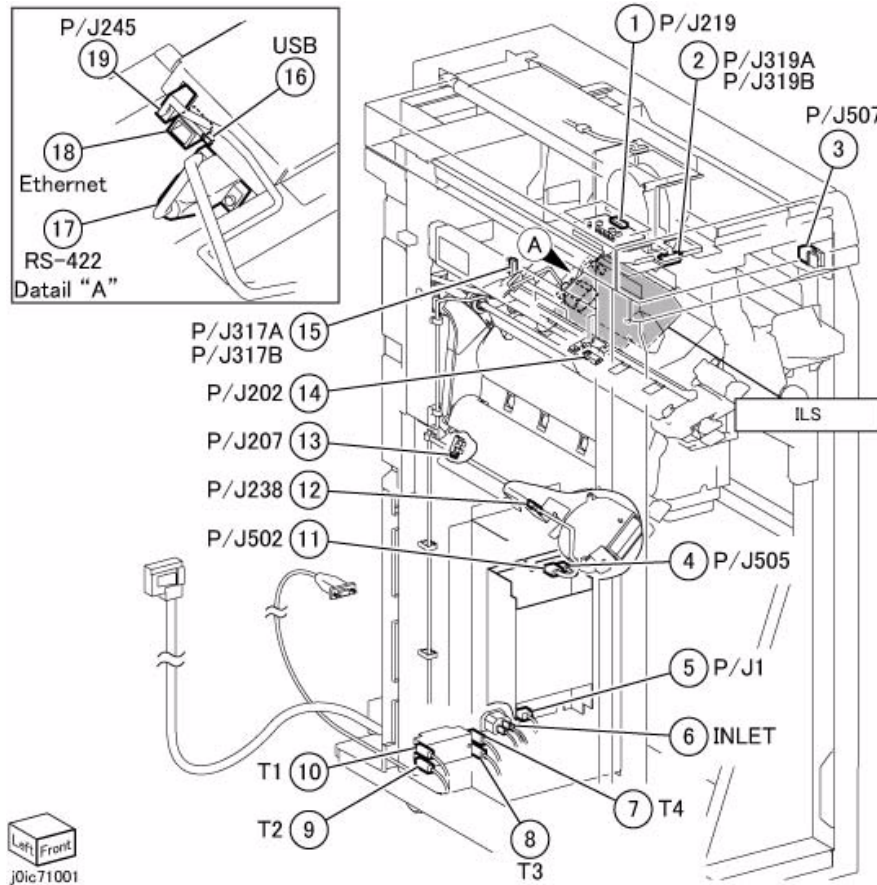


Figure 1 ICM Control Panel / ICM LVPS / ILS (j0ic71001)

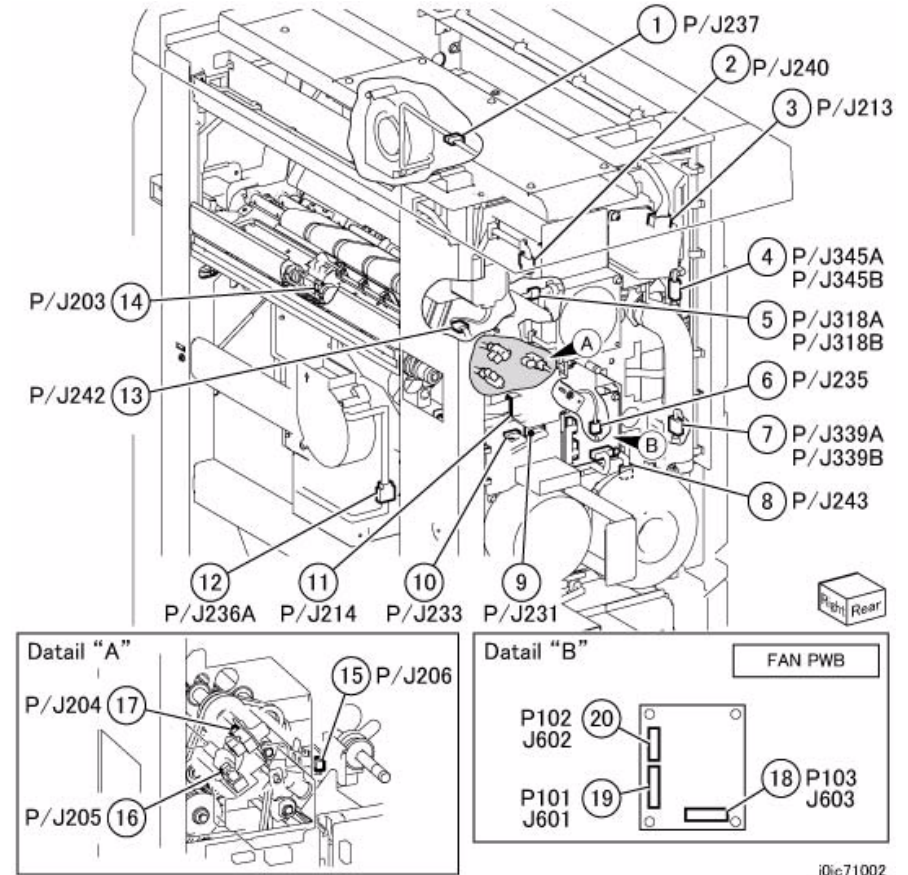
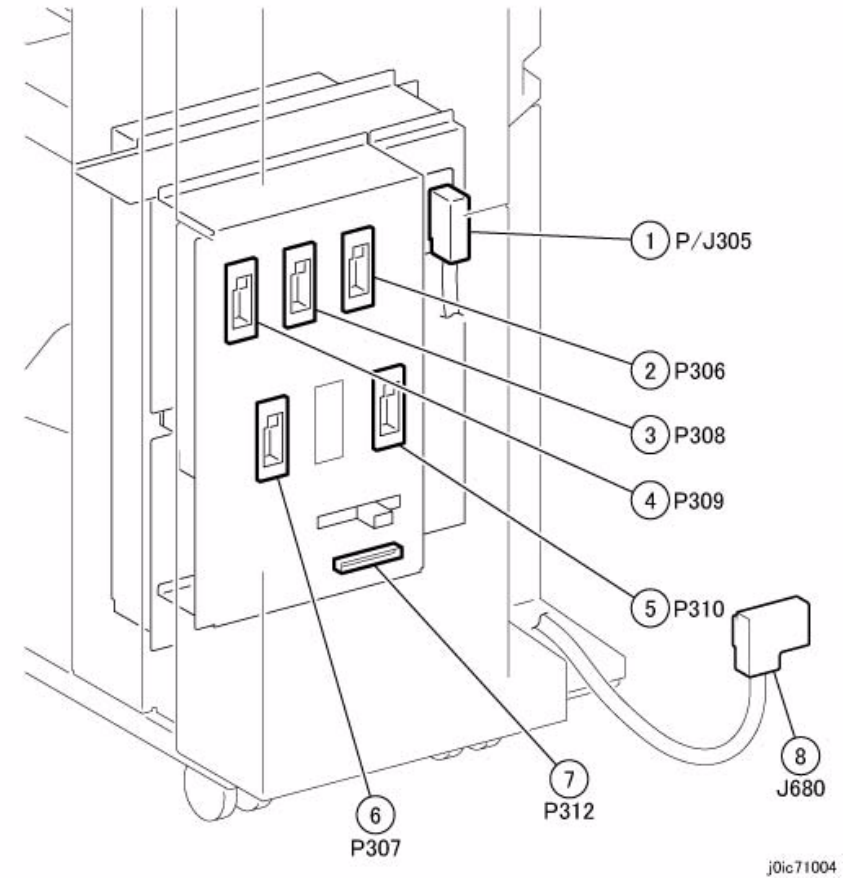
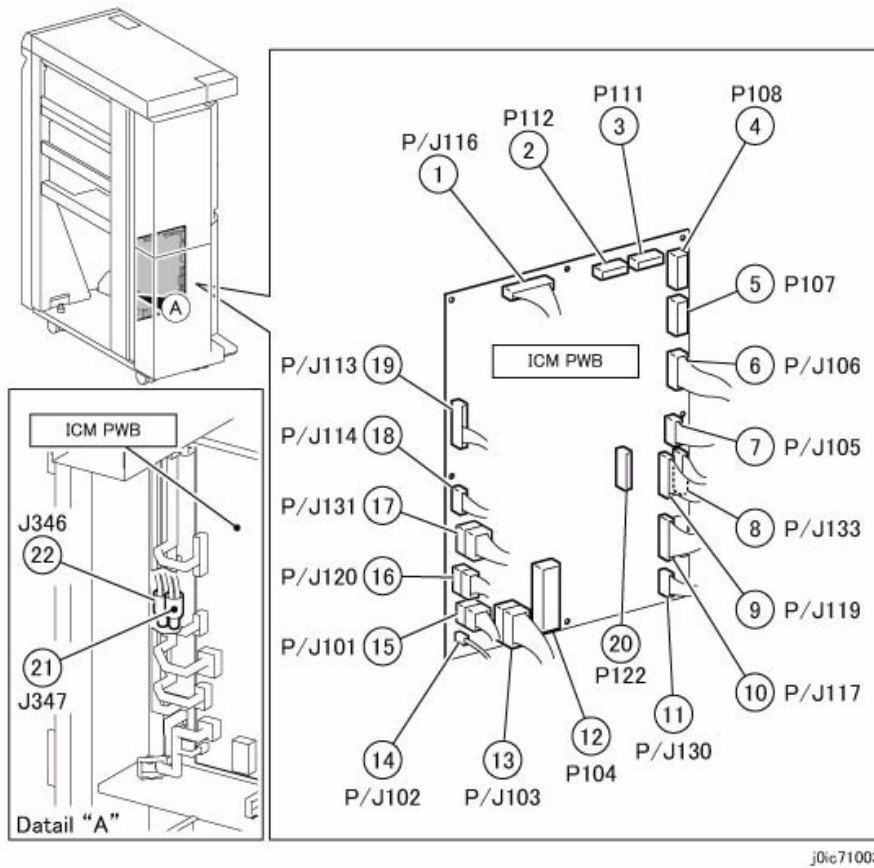


Figure 2 ICM Motor / ICM Fan (j0ic71002)



7.1.39.1 HCS Plug/Jack List

Table 1 HCS Plug/Jack List

P/J No.	FigureNo.	Item	Remarks (Where to connect)
P/J1	7	1	
T1	5	2	
P2	7	15	
T2	5	1	
P3	7	14	
T3	5	3	
T4	5	11	
P/J6	7	20	
P/J7	7	18	
P/J8	7	12	
P/J9	7	13	
P/J11	6	7	
P/J13	7	16	
P/J20	7	11	
P/J21	7	10	
P/J22	7	19	
P/J23	7	17	
P/J24	7	9	
P/J25	7	8	
P/J26	7	7	
P/J27	7	6	
P/J28	7	5	
P/J29	7	4	
P/J30	7	3	
P/J31	7	2	
P/J42	8	1	
P/J43	8	2	
P44	8	11	
P44	8	20	
P/J50	6	8	
P/J51	6	10	
P/J53	6	13	
P/J55	6	11	
P/J56	6	1	
P/J57	6	12	
P/J59	6	9	
P/J60	6	4	
P/J61	6	2	

Table 1 HCS Plug/Jack List

P/J No.	FigureNo.	Item	Remarks (Where to connect)
P/J62	6	3	
P/J63	6	6	
P/J64	6	5	
P/J90	1	2	
P/J101	5	10	
P/J151	5	7	
P/J153	5	8	
P/J200	5	12	
P/J201	2	18	
P/J202	9	8	
P/J203	2	8	
P/J204	2	15	
P/J205	2	16	
P/J206	2	13	
P/J207	2	14	
P/J211	2	25	
P/J212	2	2	
P/J213	2	22	
P/J214	2	23	
P/J215	5	9	
P/J216	4	7	
P/J217	2	4	
P/J218	5	3	
P/J221	4	10	
P/J222	9	9	
P/J223	2	12	
P/J224	9	10	
P/J225	2	11	
P/J226	2	1	
P/J227	2	20	
P/J228	2	21	
P/J229	2	24	
P/J230	2	19	
P/J231	8	15	
P/J233	8	19	
P/J234	8	12	
P/J235	2	5	
P/J241	2	7	
P/J242	2	10	
P/J301	4	2	

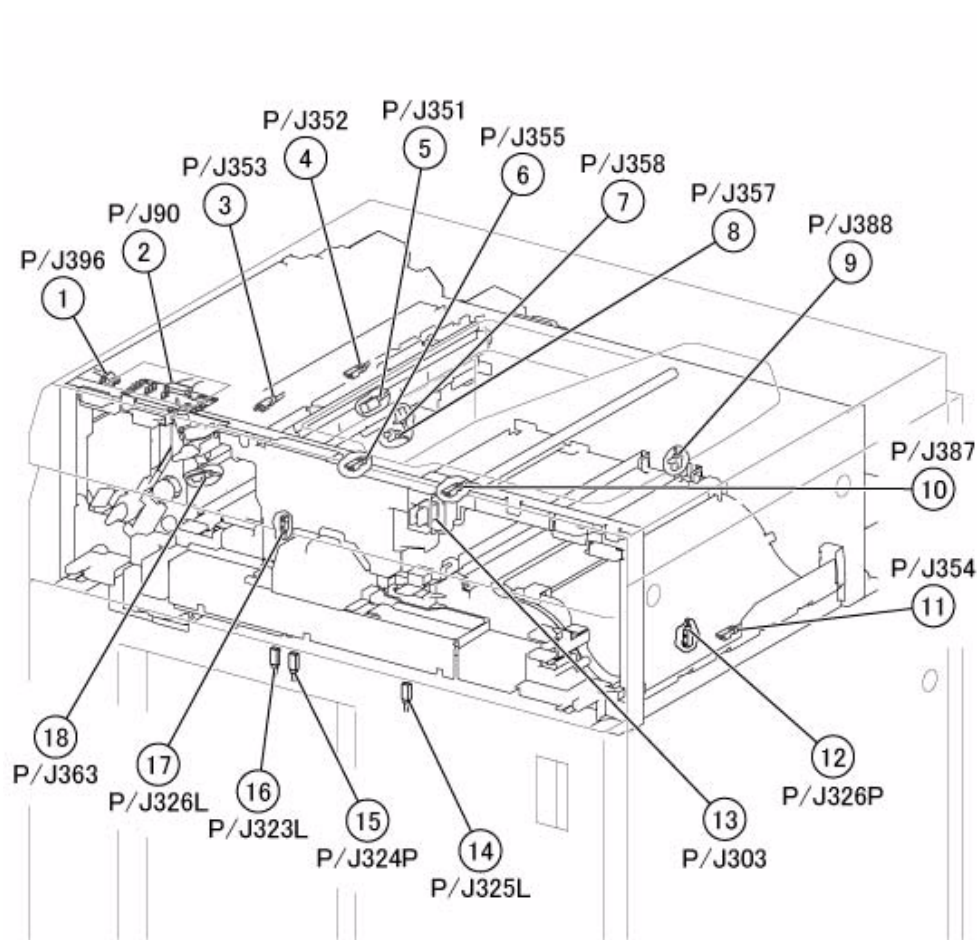
Table 1 HCS Plug/Jack List

P/J No.	FigureNo.	Item	Remarks (Where to connect)
P/J303	1	13	
P/J304	4	3	
P/J305	4	4	
P/J306	2	3	
P/J320	8	7	
P/J321	4	6	
P/J322	4	9	
P/J323L	1	16	
P/J323P	3	13	
P/J324L	3	13	
P/J324P	1	15	
P/J325L	1	14	
P/J325P	3	14	
P/J326L	1	17	
P/J326P	1	12	
P/J327	4	5	
P/J328	8	13	
P/J329L	4	11	
P/J329P	4	12	
P/J331	4	8	
P/J332	5	5	
P/J335	8	9	
P/J338	8	4	
P/J340	9	2	
P/J341	9	3	
P/J342	8	3	
P/J343	8	6	
P/J344	8	10	
P/J346	9	1	
P/J347	9	4	
P/J348	8	5	
P/J349	3	1	
P/J350	3	3	
P/J351	1	5	
P/J352	1	4	
P/J353	1	3	
P/J354	1	11	
P/J355	1	6	
P/J356	8	16	
P/J357	1	8	

Table 1 HCS Plug/Jack List

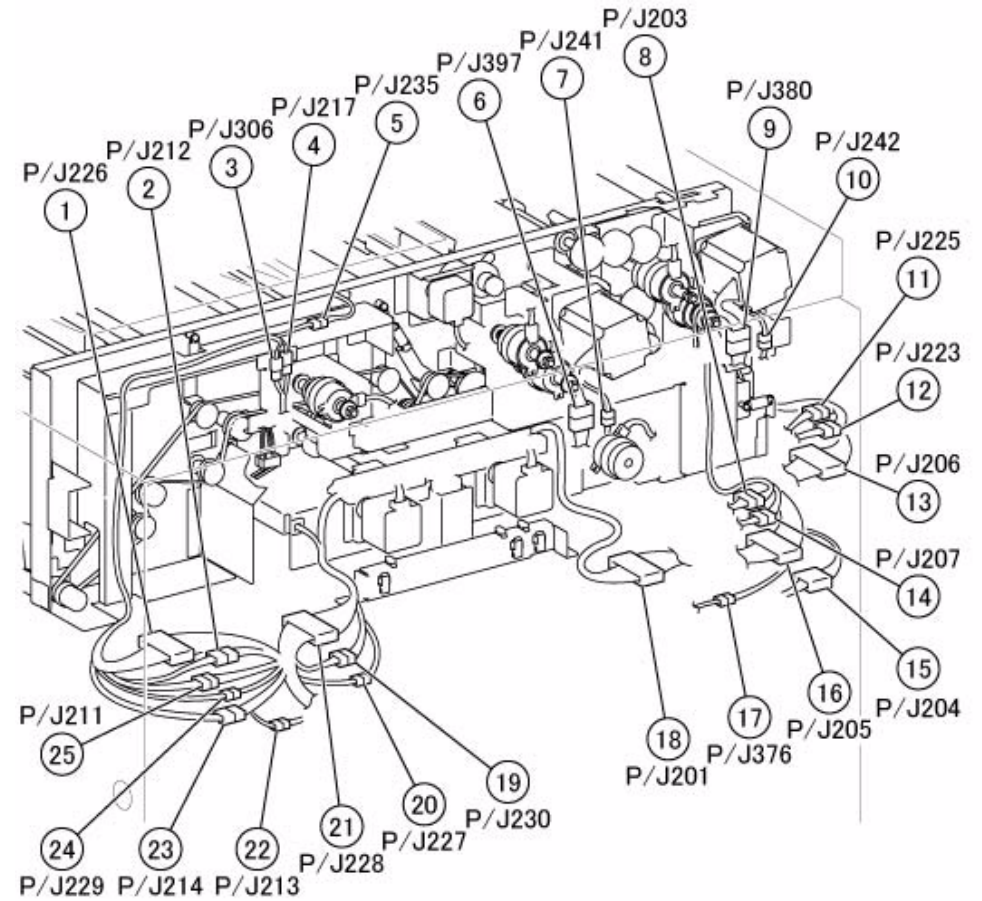
P/J No.	FigureNo.	Item	Remarks (Where to connect)
P/J358	1	7	
P/J360	8	18	
P/J361	8	8	
P/J362	8	17	
P/J363	1	18	
P/J364	3	6	
P/J366	3	7	
P/J367	9	7	
P/J368	4	1	
P/J372	4	13	
P/J374	4	14	
P/J376	2	17	
P/J380	2	9	
P/J381	9	6	
P/J382	3	9	
P/J383	3	10	
P/J384	9	5	
P/J385	3	11	
P/J386	8	14	
P/J387	1	10	
P/J388	1	9	
P/J392	3	5	
P/J393	3	4	
P/J394	3	2	
P/J395	3	8	
P/J396	1	1	
P/J397	2	6	
P/J398	5	6	

7.1.39.2 HCS Plug/Jack Positions



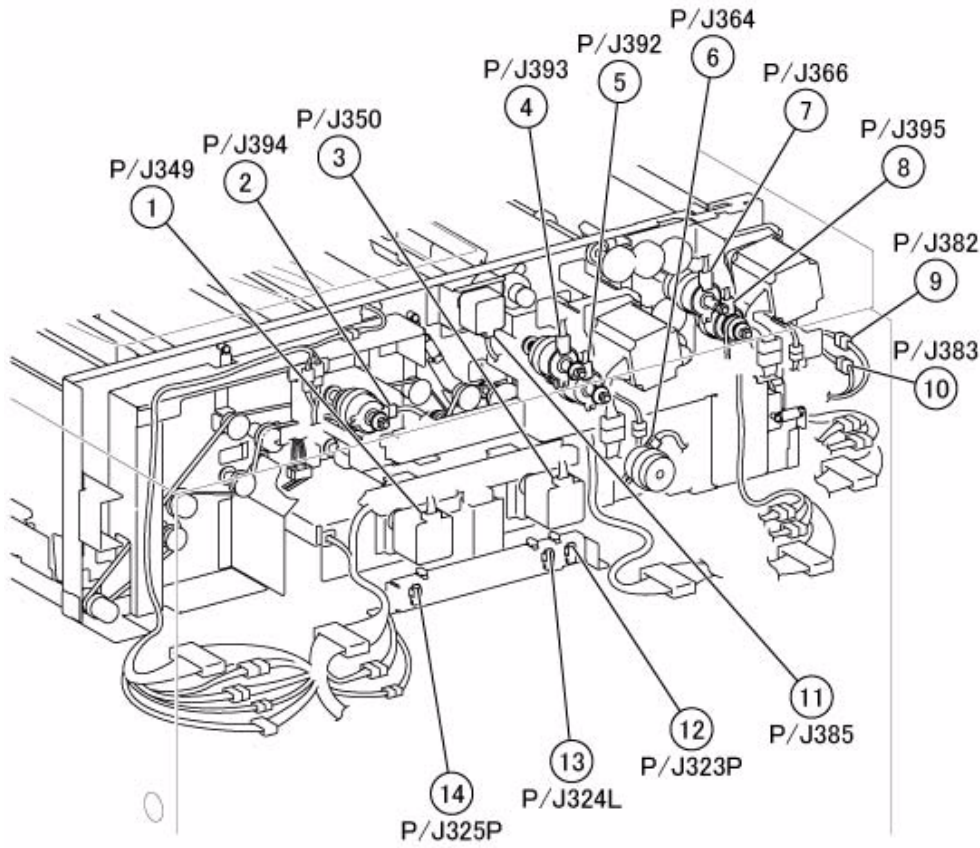
j0sa70001

Figure 1 HCS Control Panel/Sensor (j0sa70001)



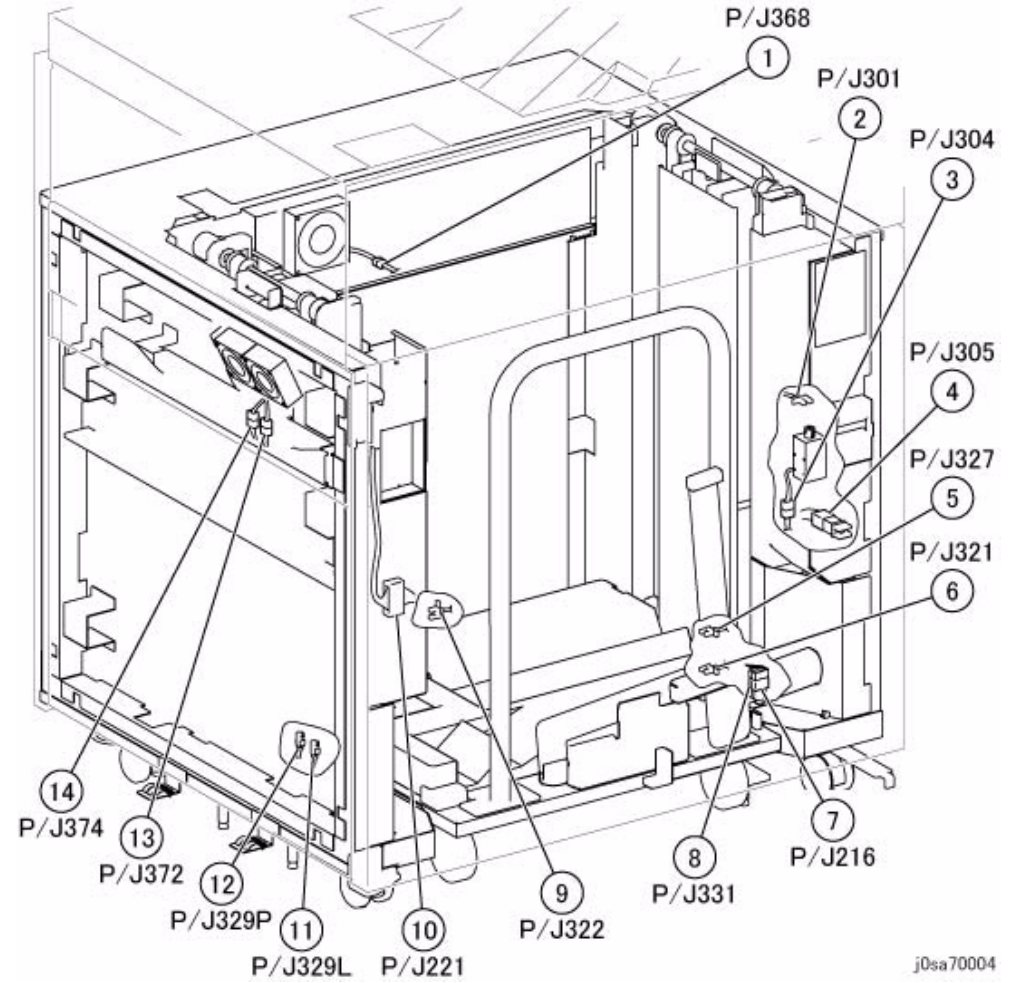
j0sa70002

Figure 2 HCS Transport Rear View 1 (j0sa70002)



j0sa70003

Figure 3 HCS Transport Rear View 2 (j0sa70003)



j0sa70004

Figure 4 Stacker Front View (j0sa70004)

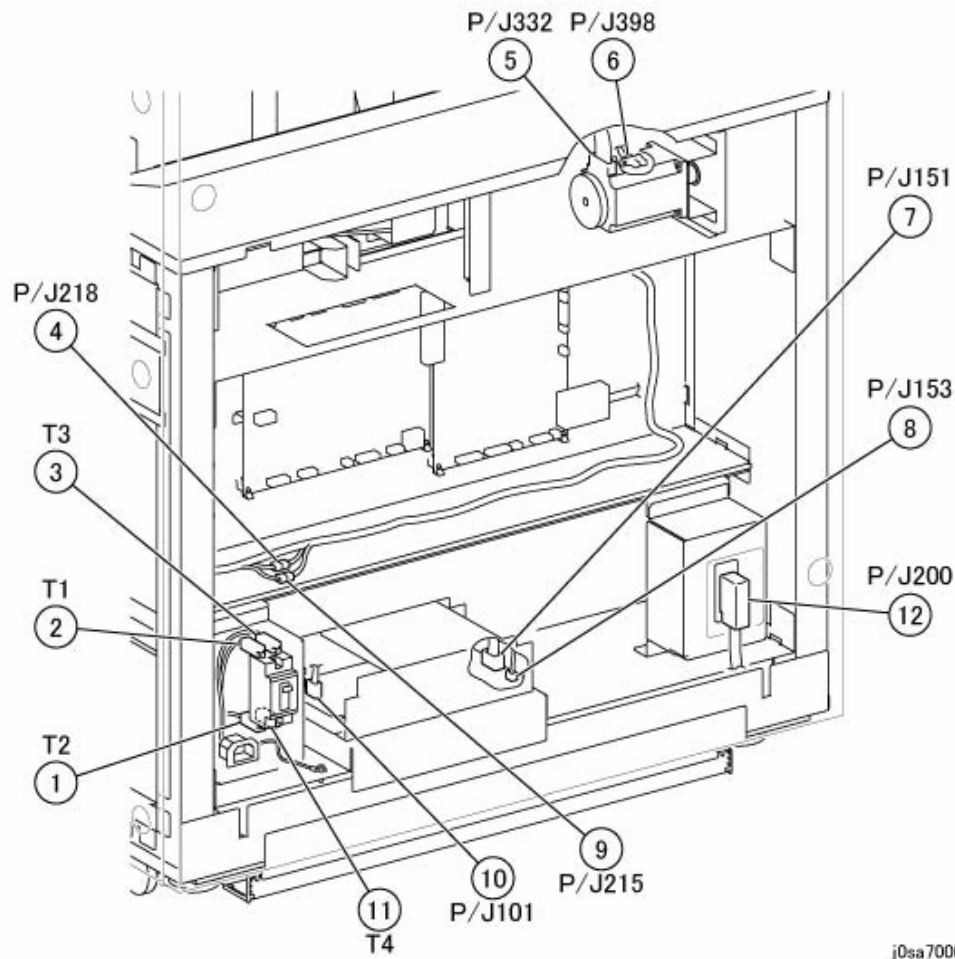


Figure 5 Stacker Rear View (j0sa70005)

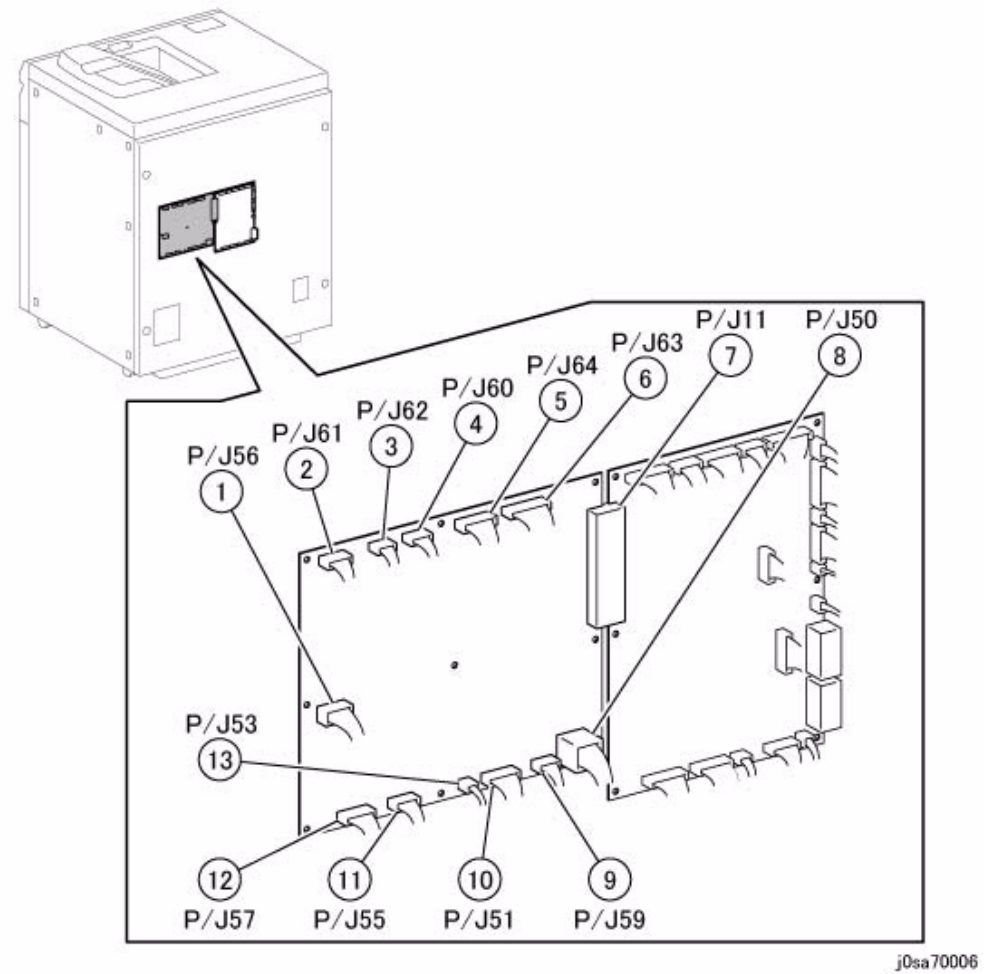
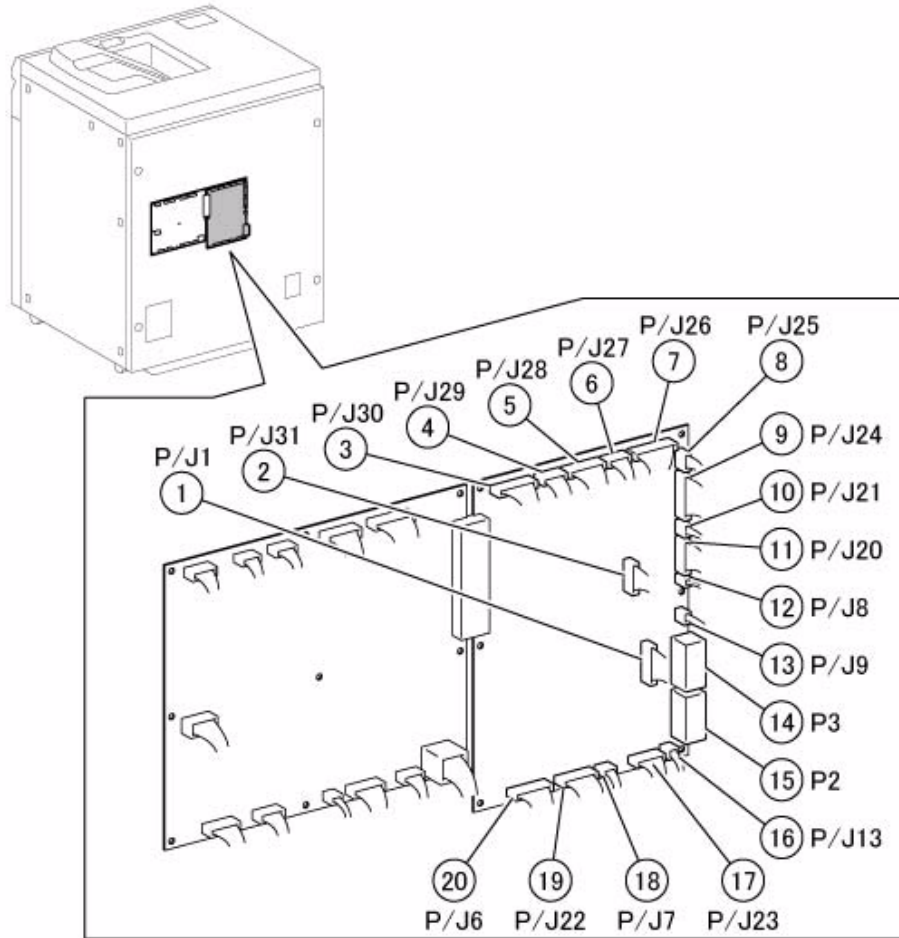
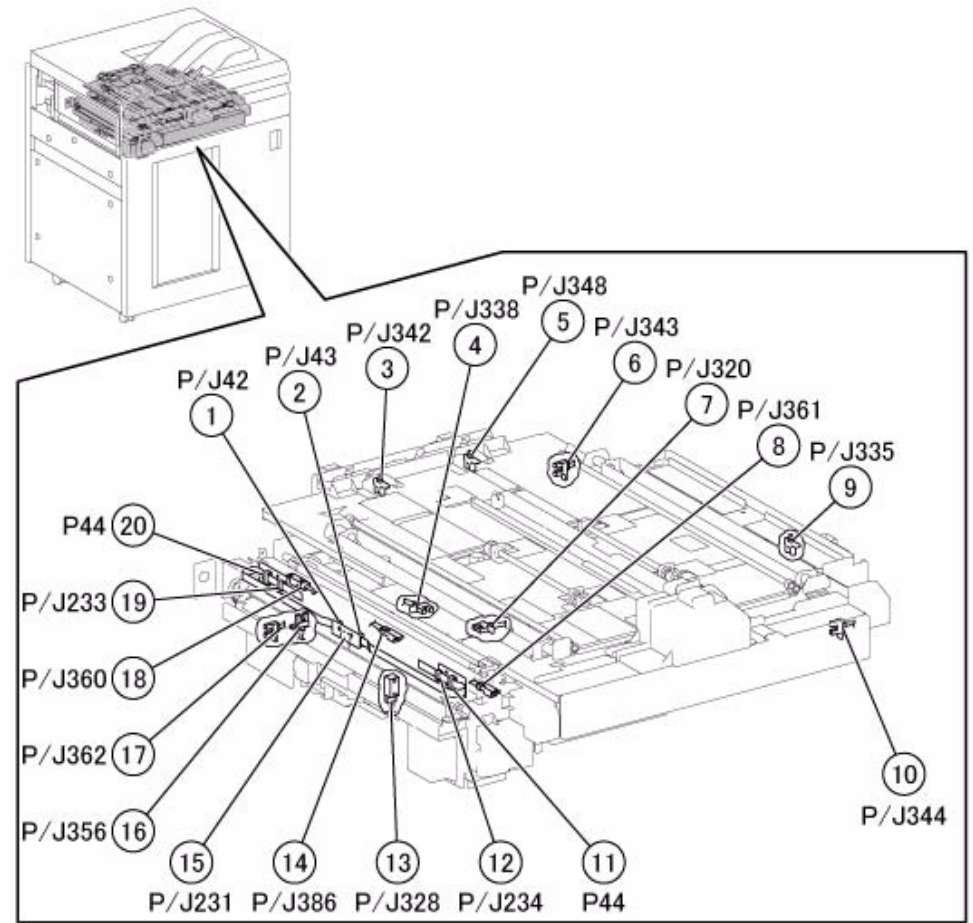


Figure 6 HCS Drive PWB (j0sa70006)



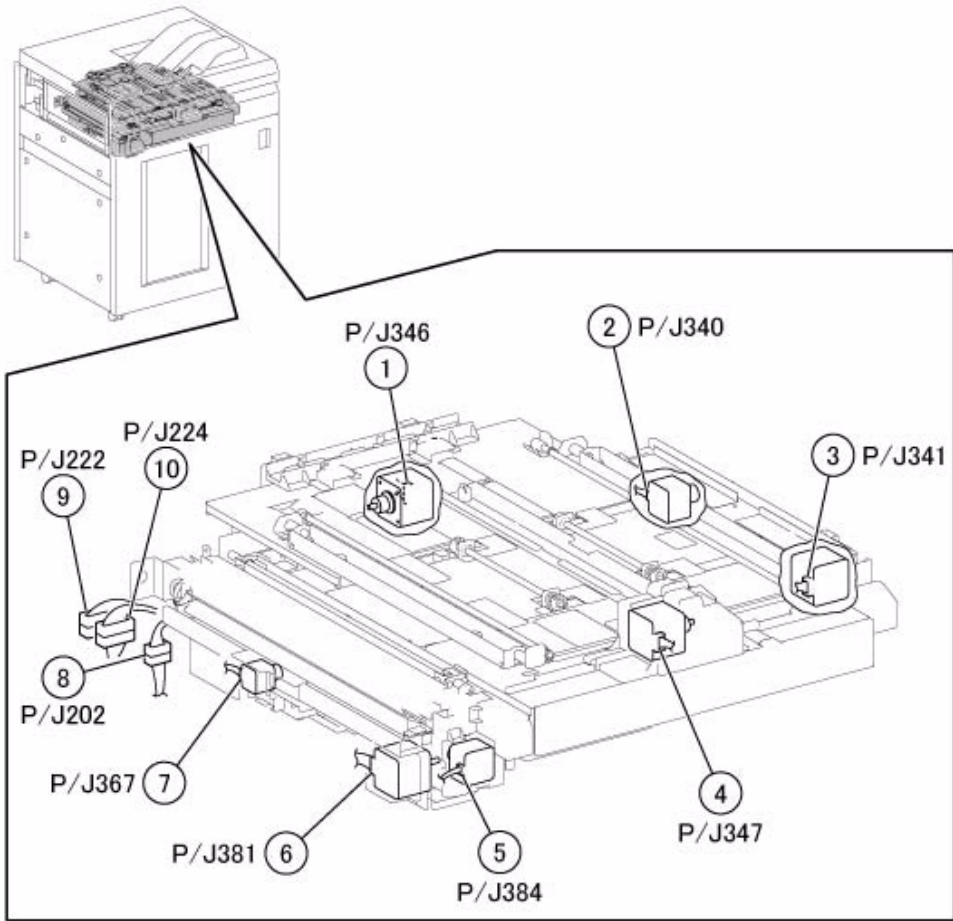
j0sa70007

Figure 7 HCS PWB (j0sa70007)



j0sa70008

Figure 8 Tamper/Edge Sensor (j0sa70008)



j0sa70009

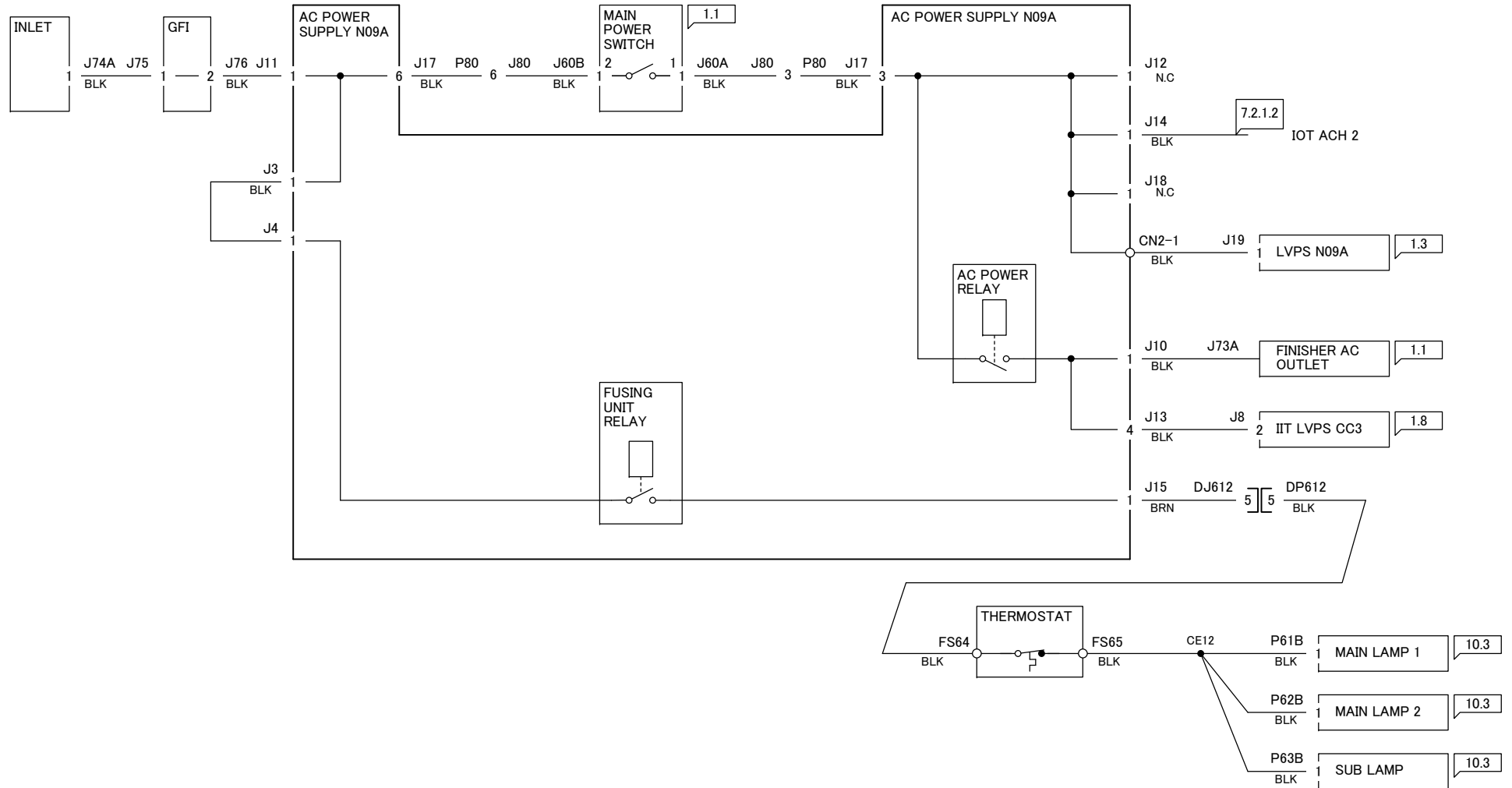
Figure 9 Tamper/Stacker Exit Motor (j0sa70009)

7.2 Wire Network

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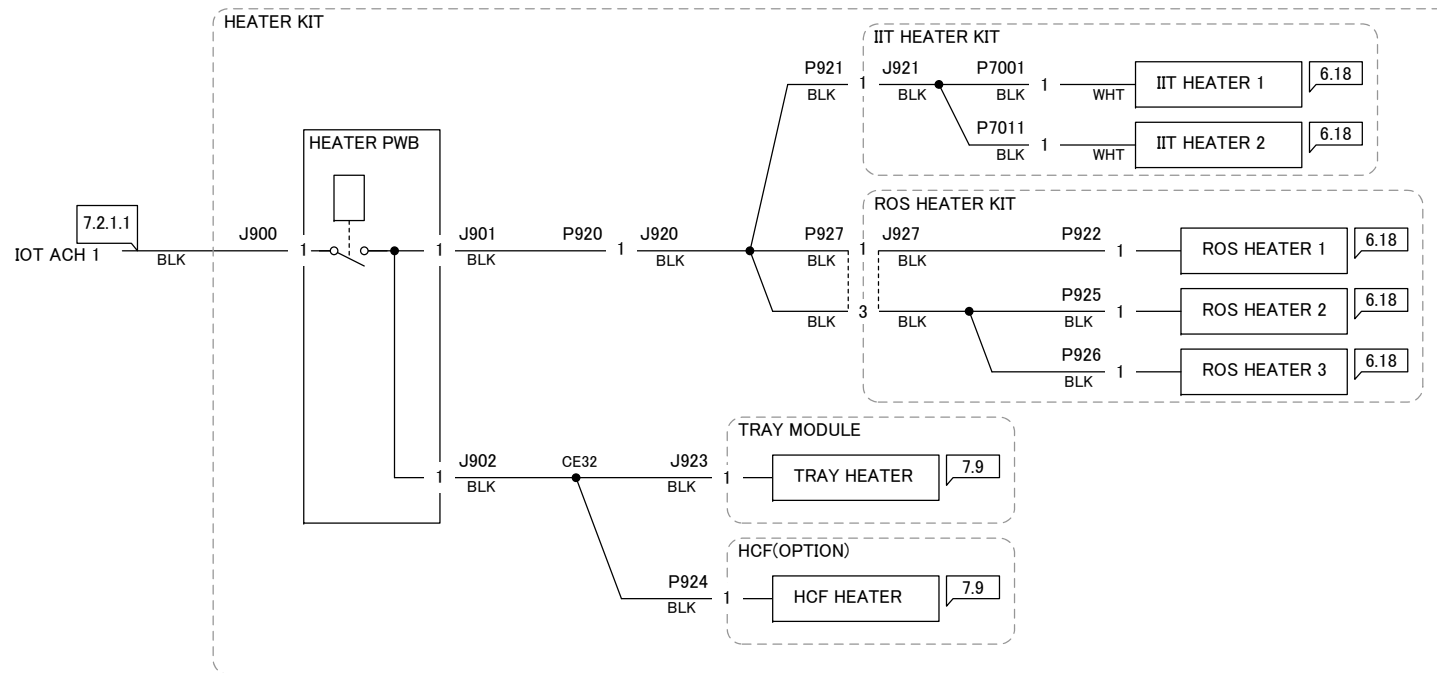
7.2.53.4 DADF 250 24V RTN.....63

7.2.1.1 IOT ACH 1

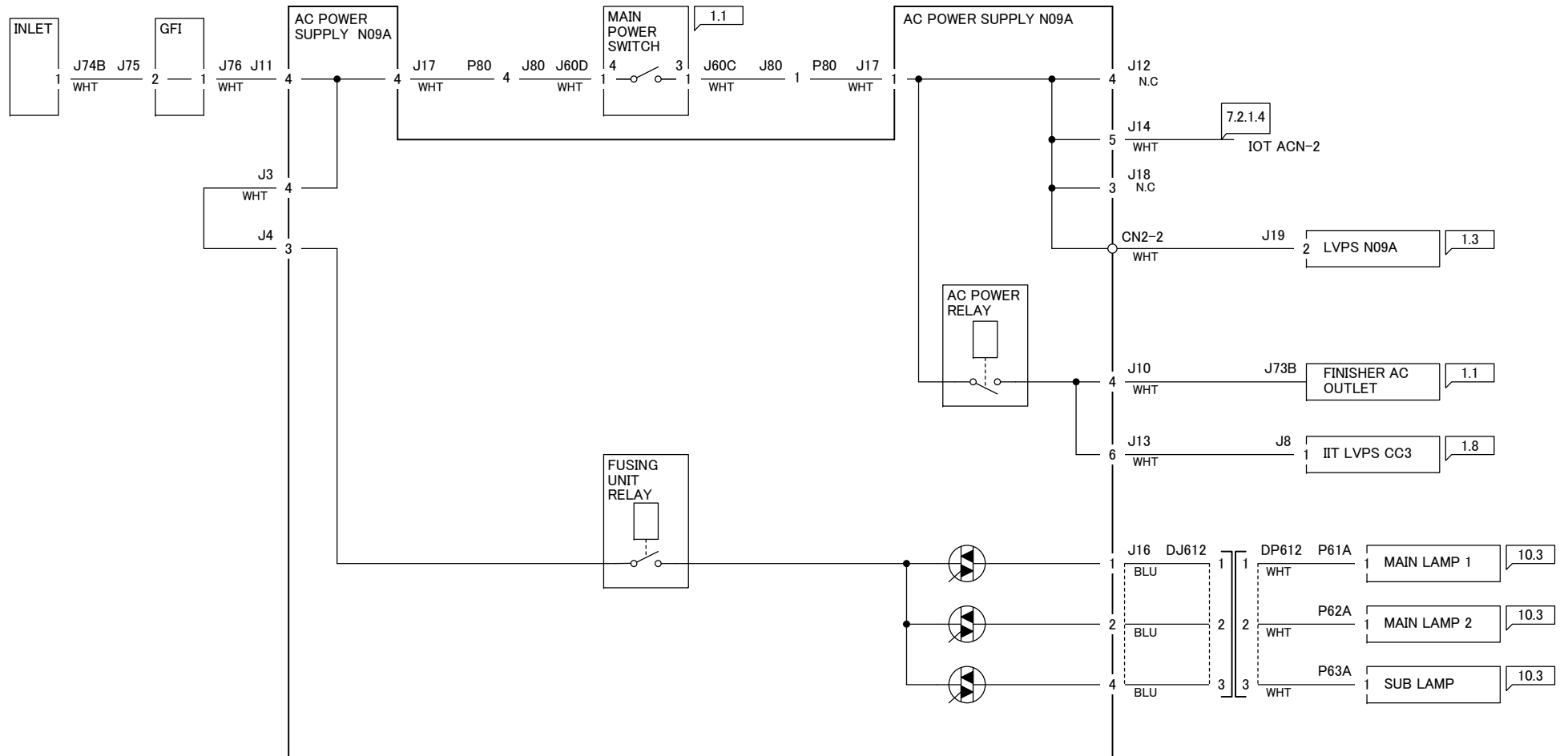


j0pr720101

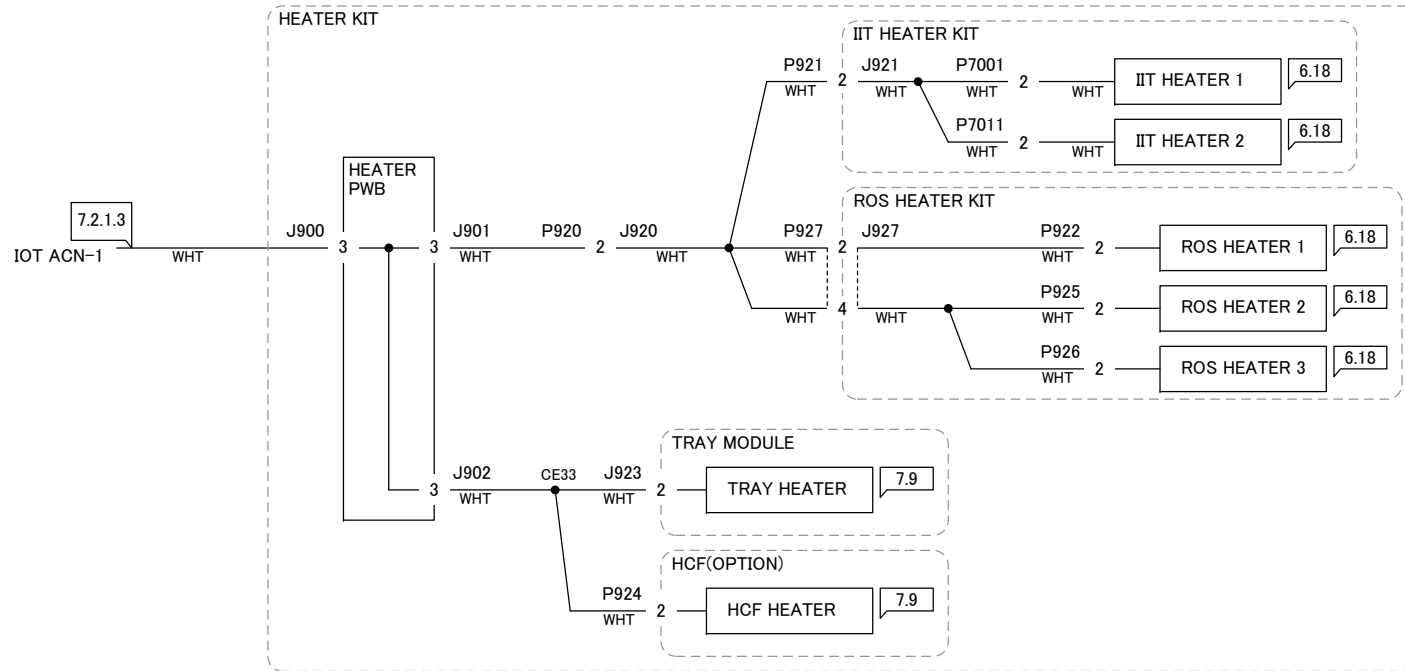
7.2.1.2 IOT ACH 2



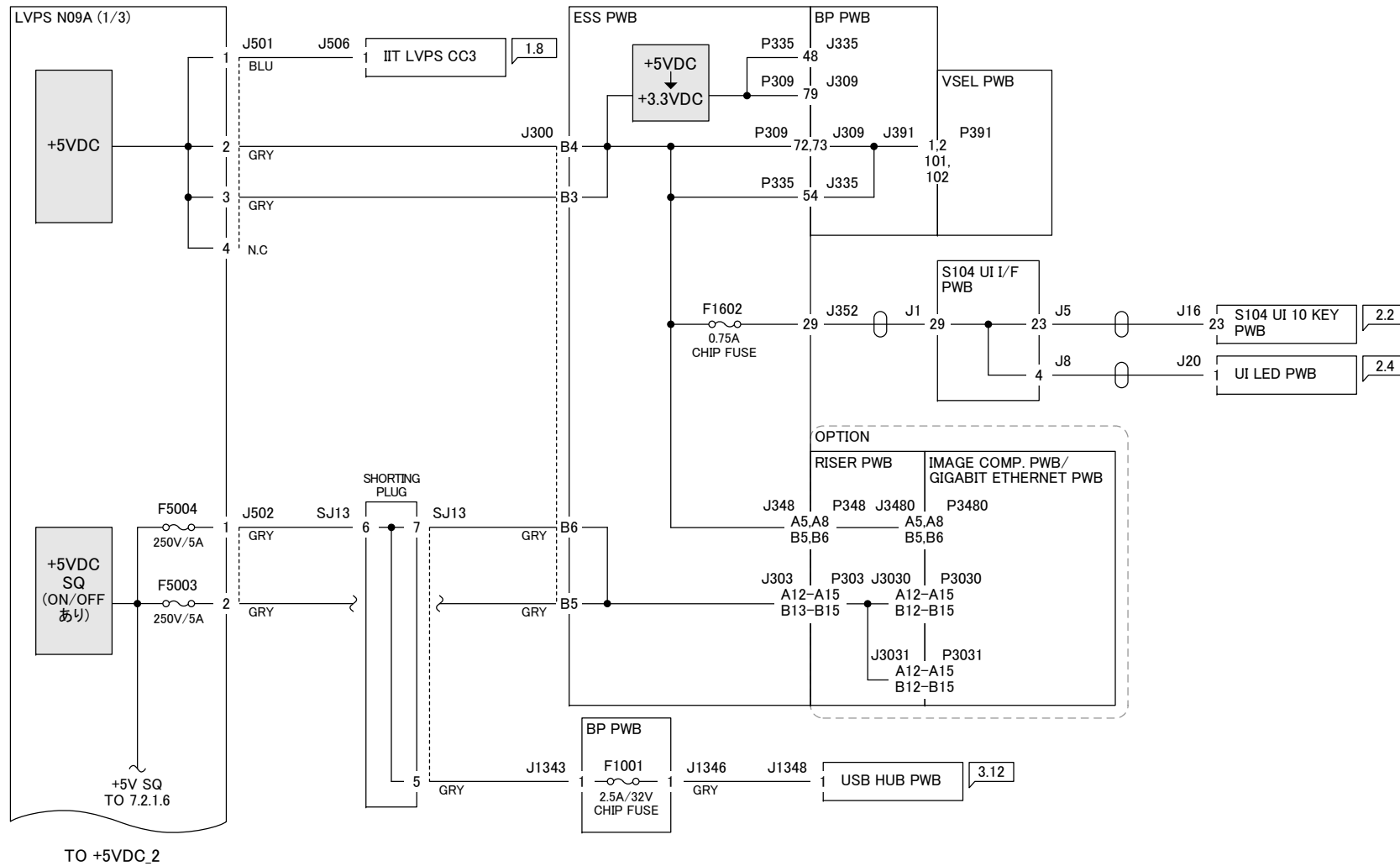
7.2.1.3 IOT ACN 1



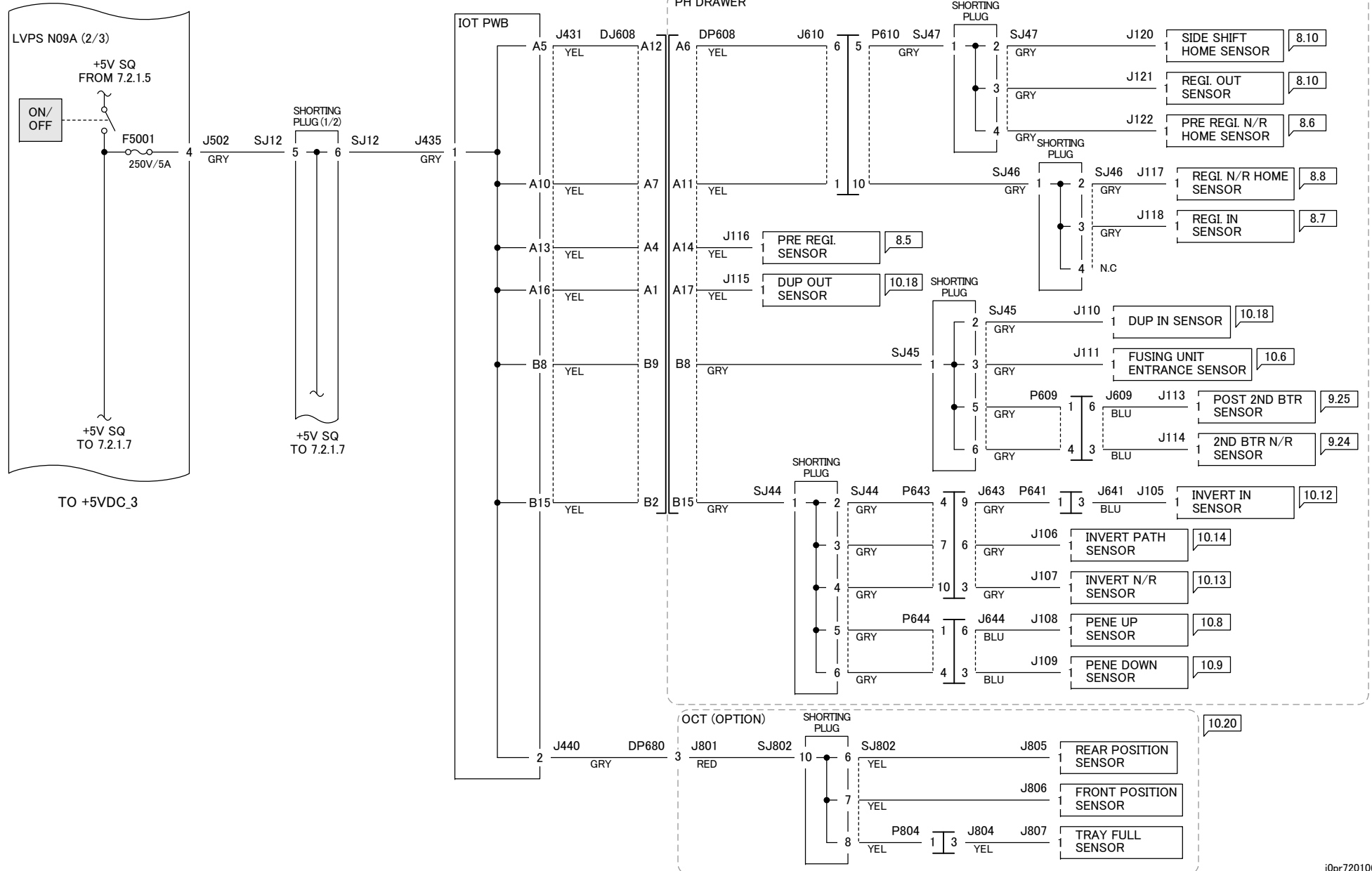
7.2.1.4 IOT ACN 2



7.2.1.5 +5VDC_1/ESS +3.3VDC

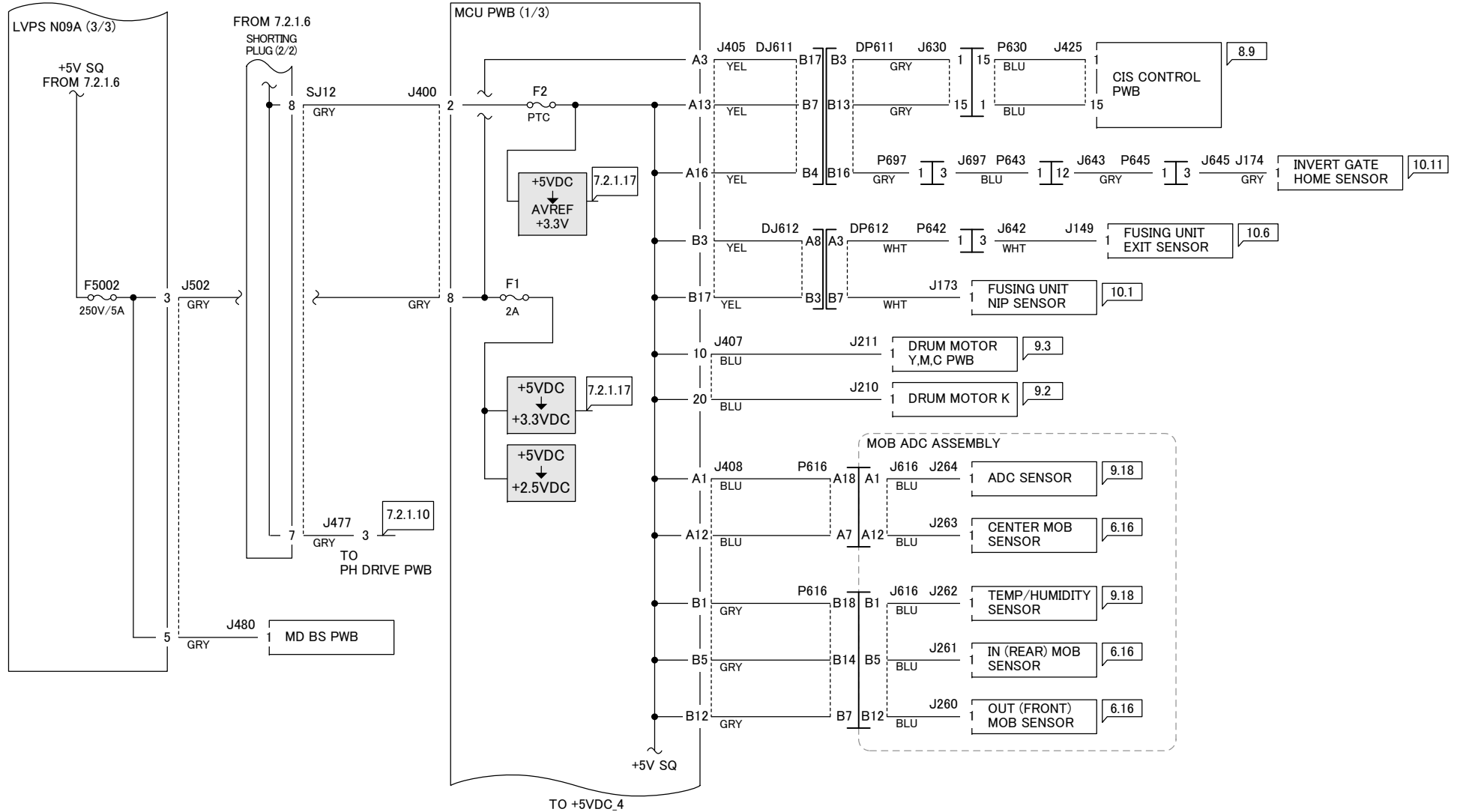


7.2.1.6 +5VDC_2

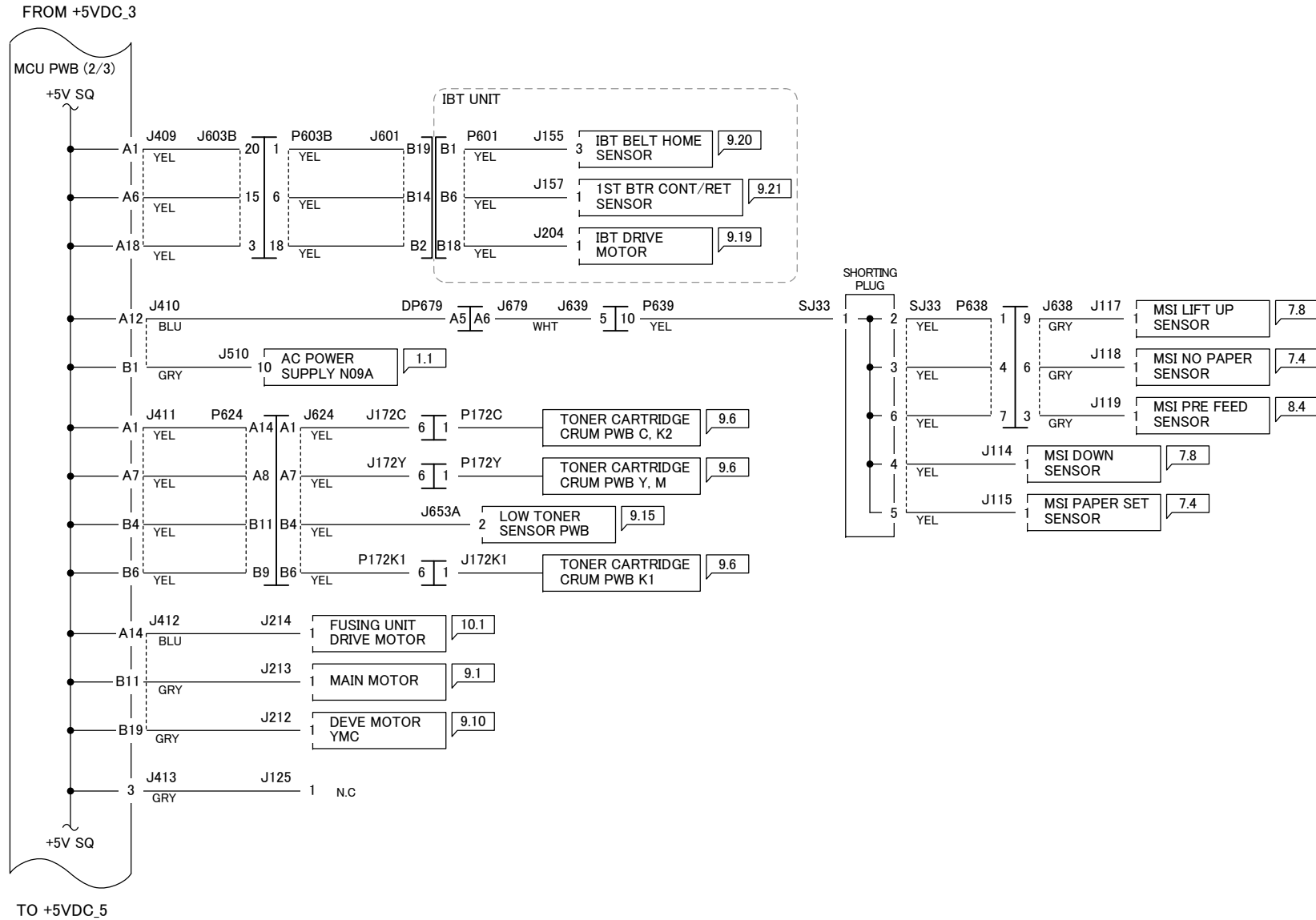


7.2.1.7 +5VDC_3

FROM 7.2.1.6

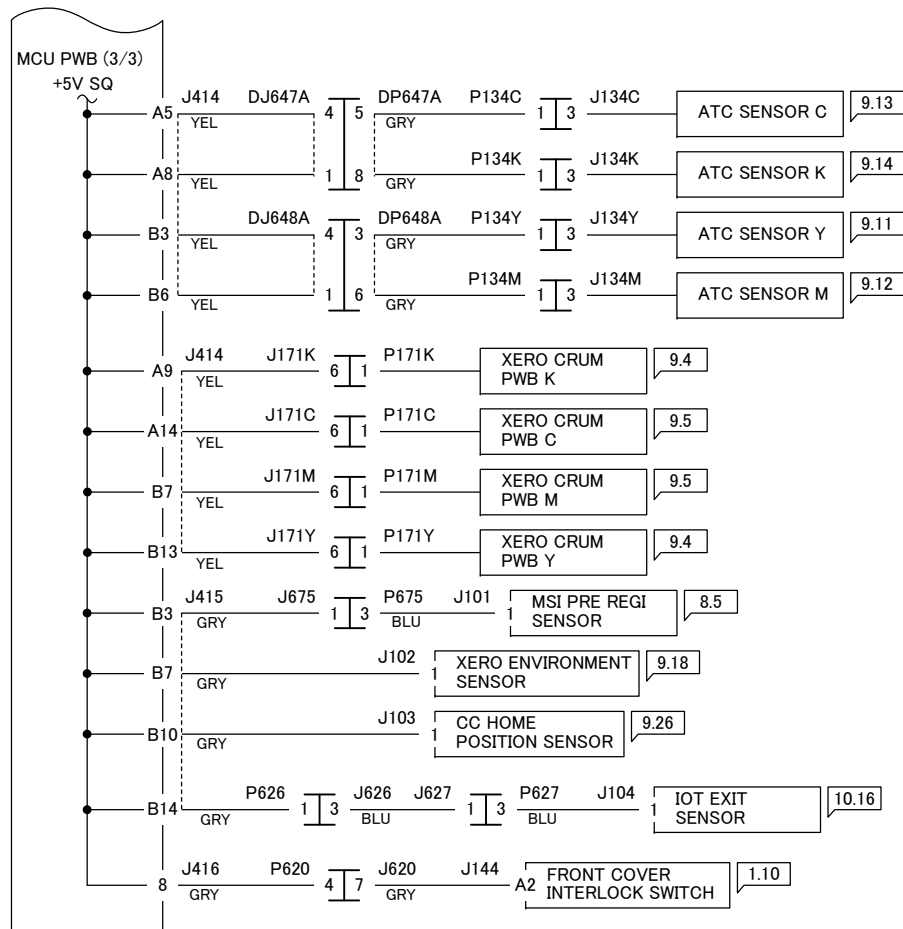


7.2.1.8 +5VDC_4

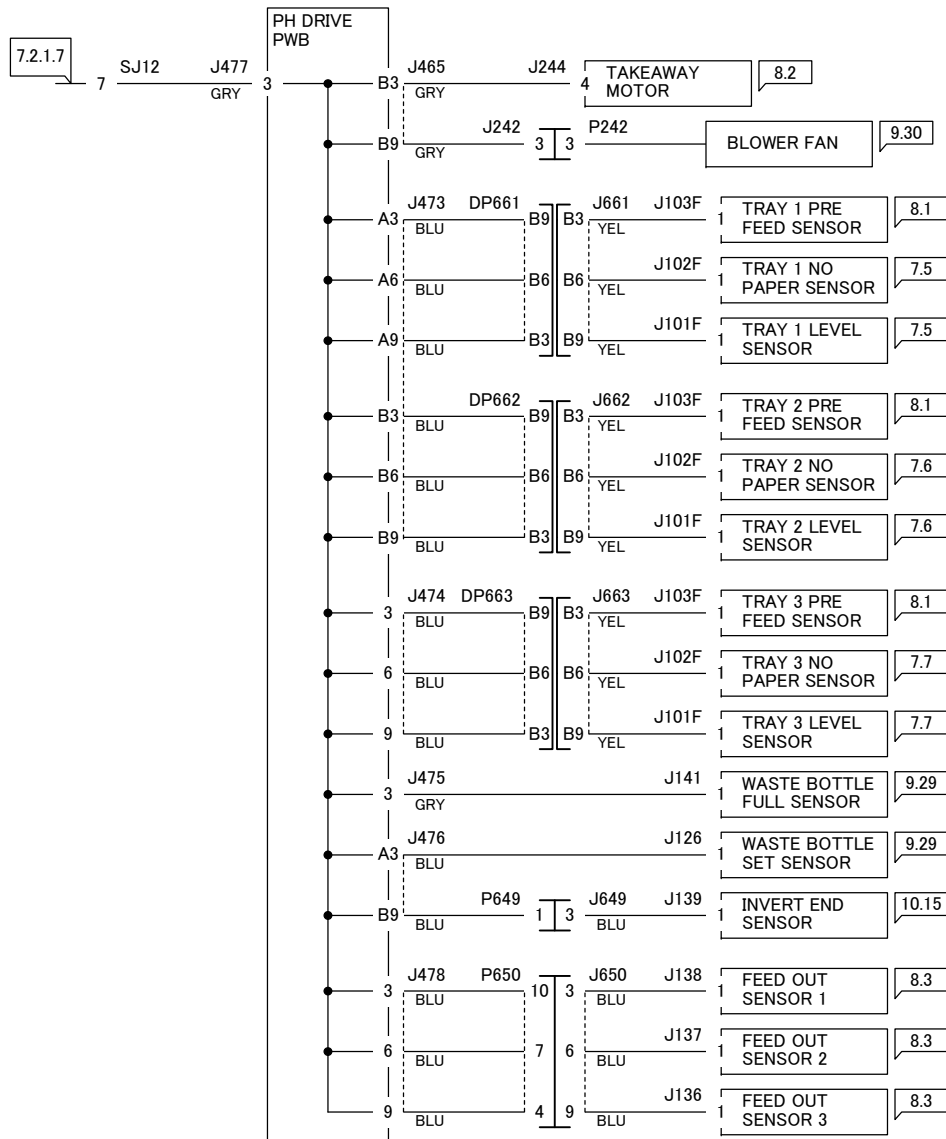


7.2.1.9 +5VDC_5

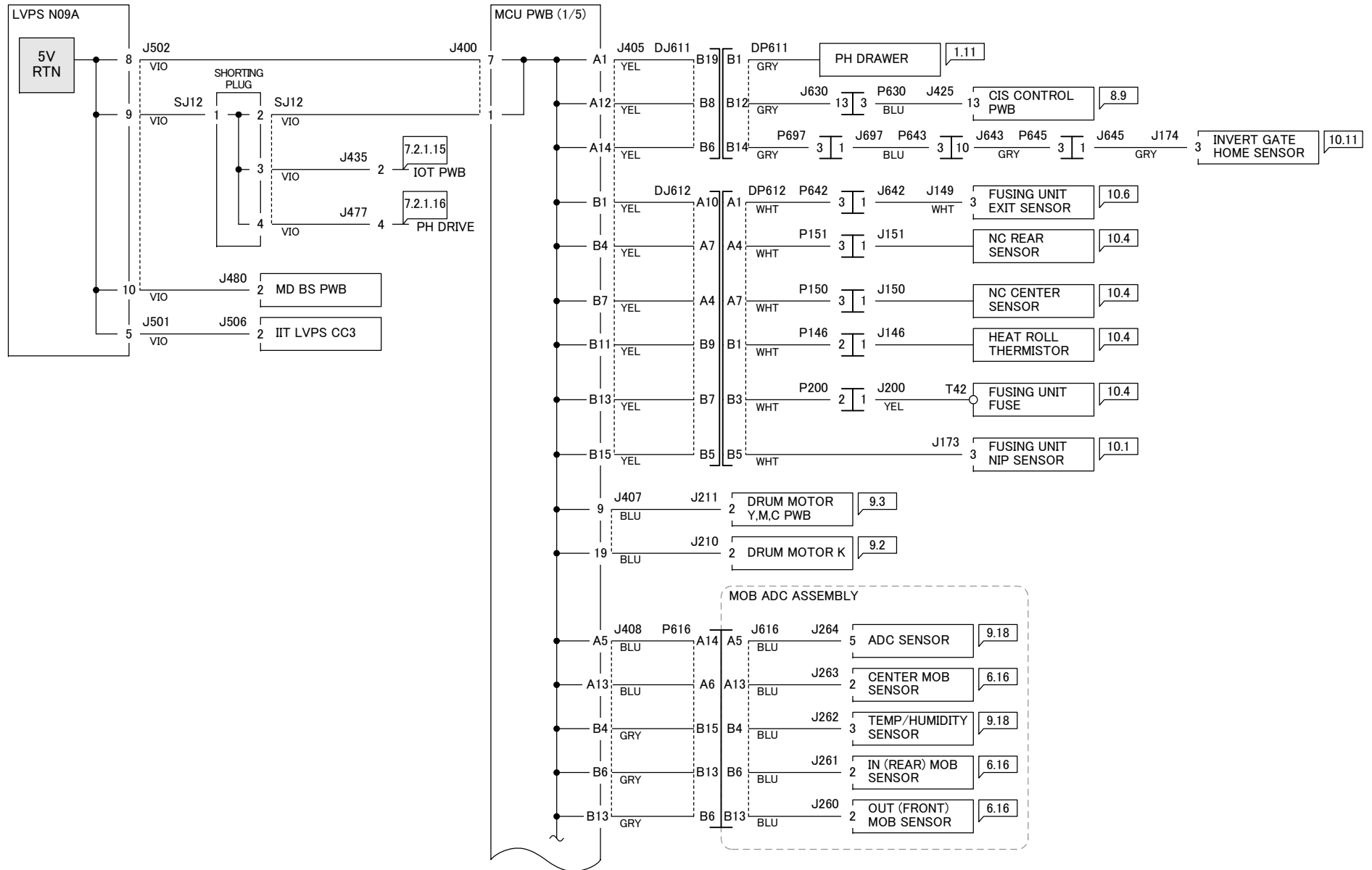
FROM +5VDC_4



7.2.1.10 +5VDC_6

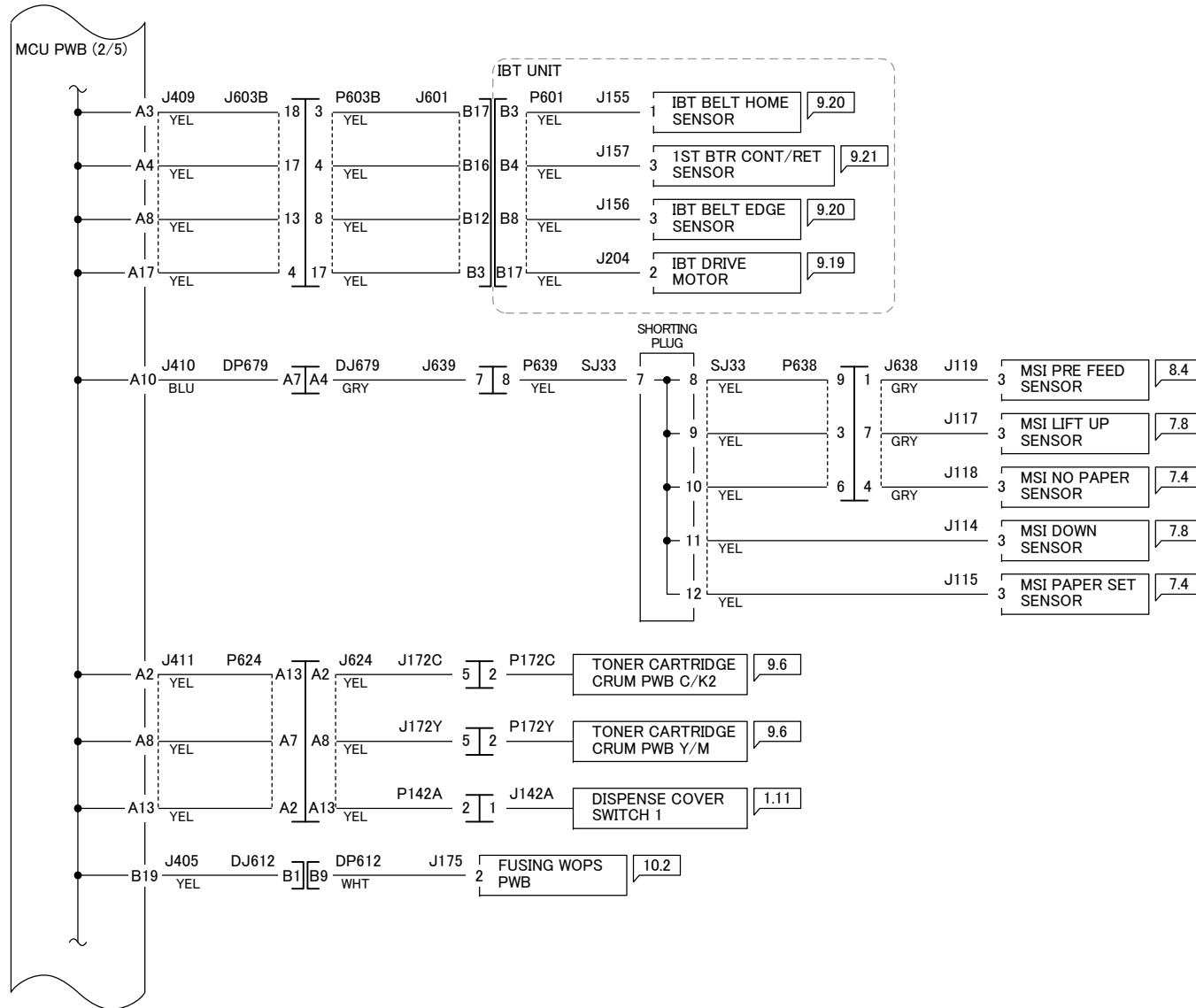


7.2.1.11 5V RTN_1

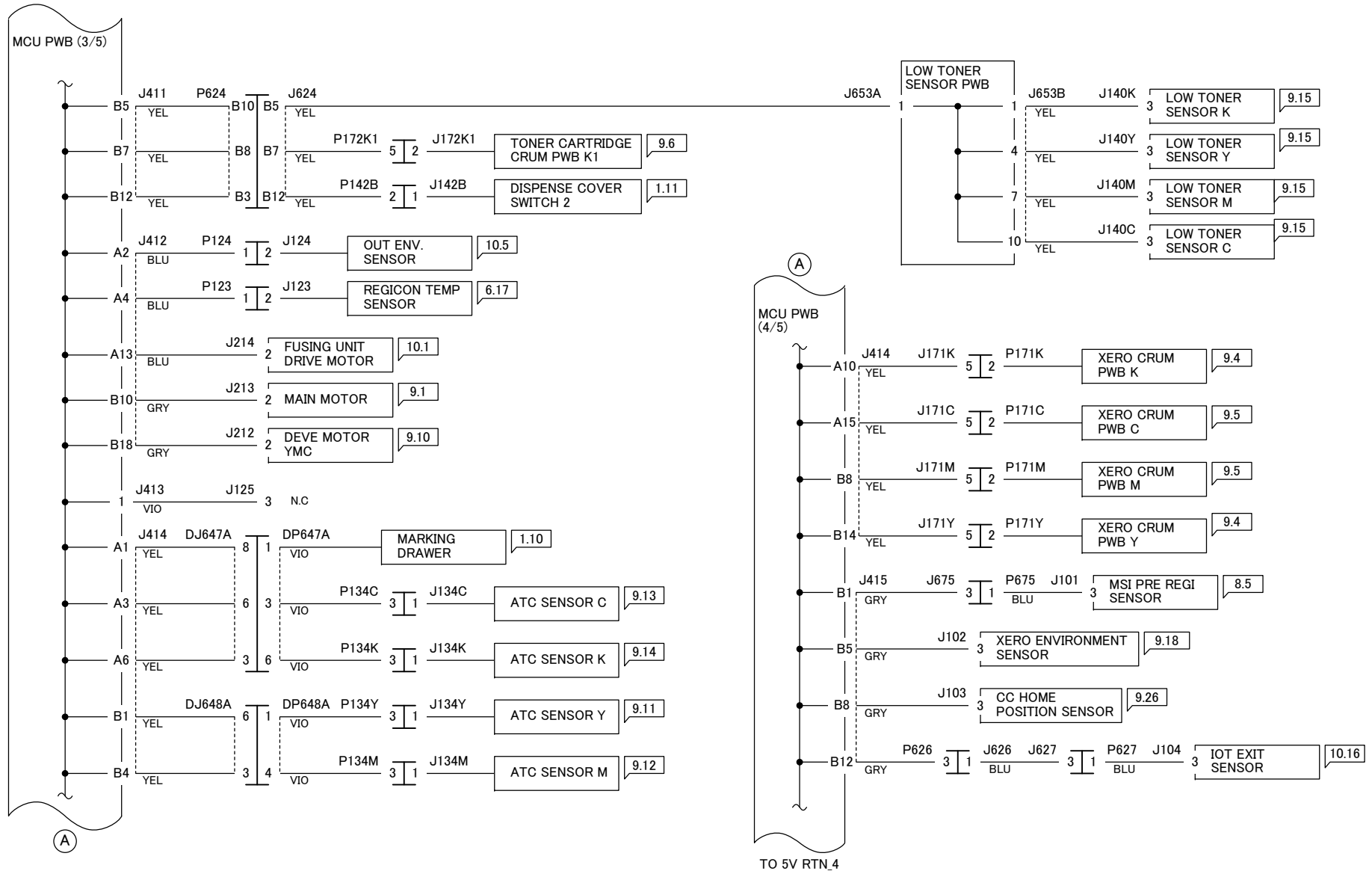


j0pr720111

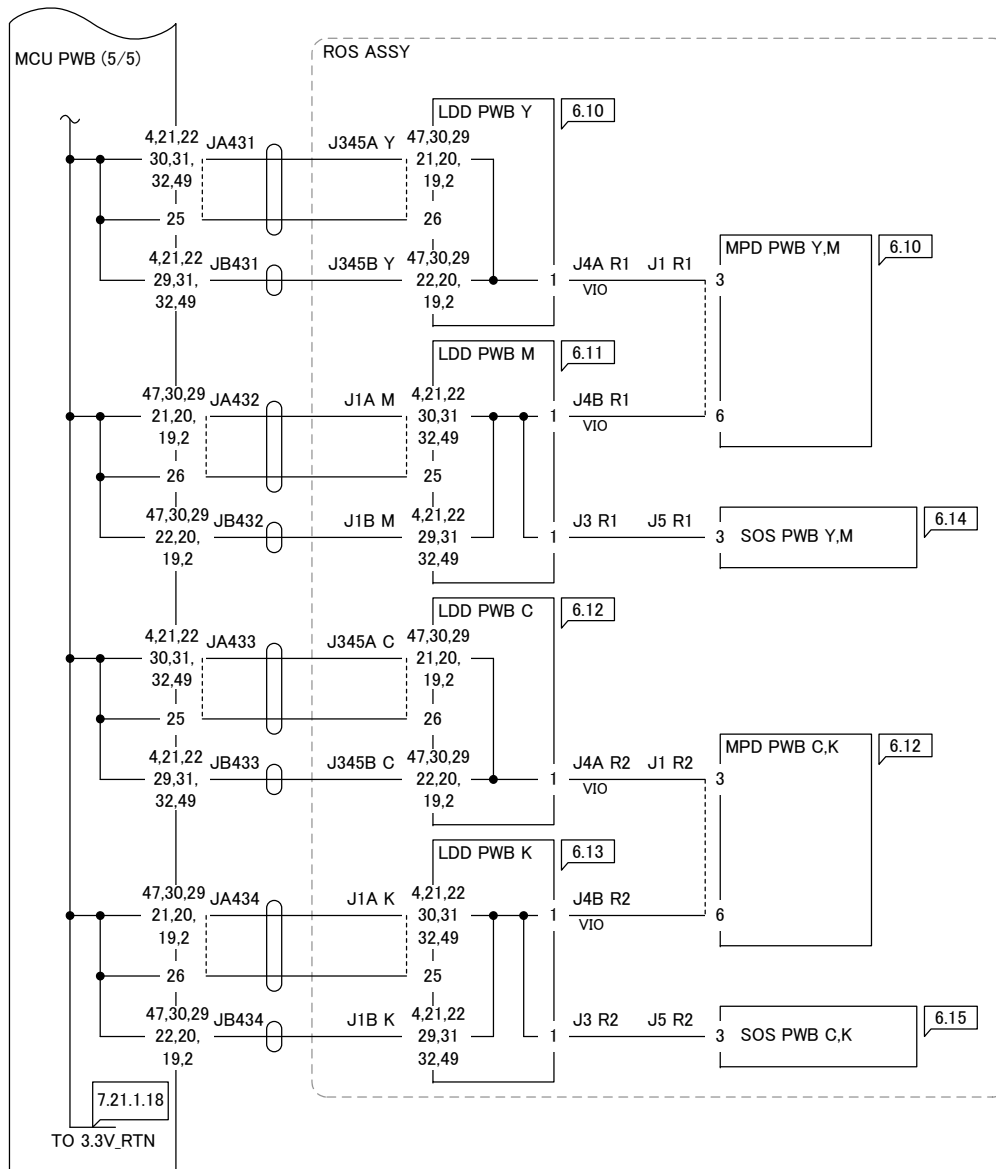
7.2.1.12 5V RTN_2



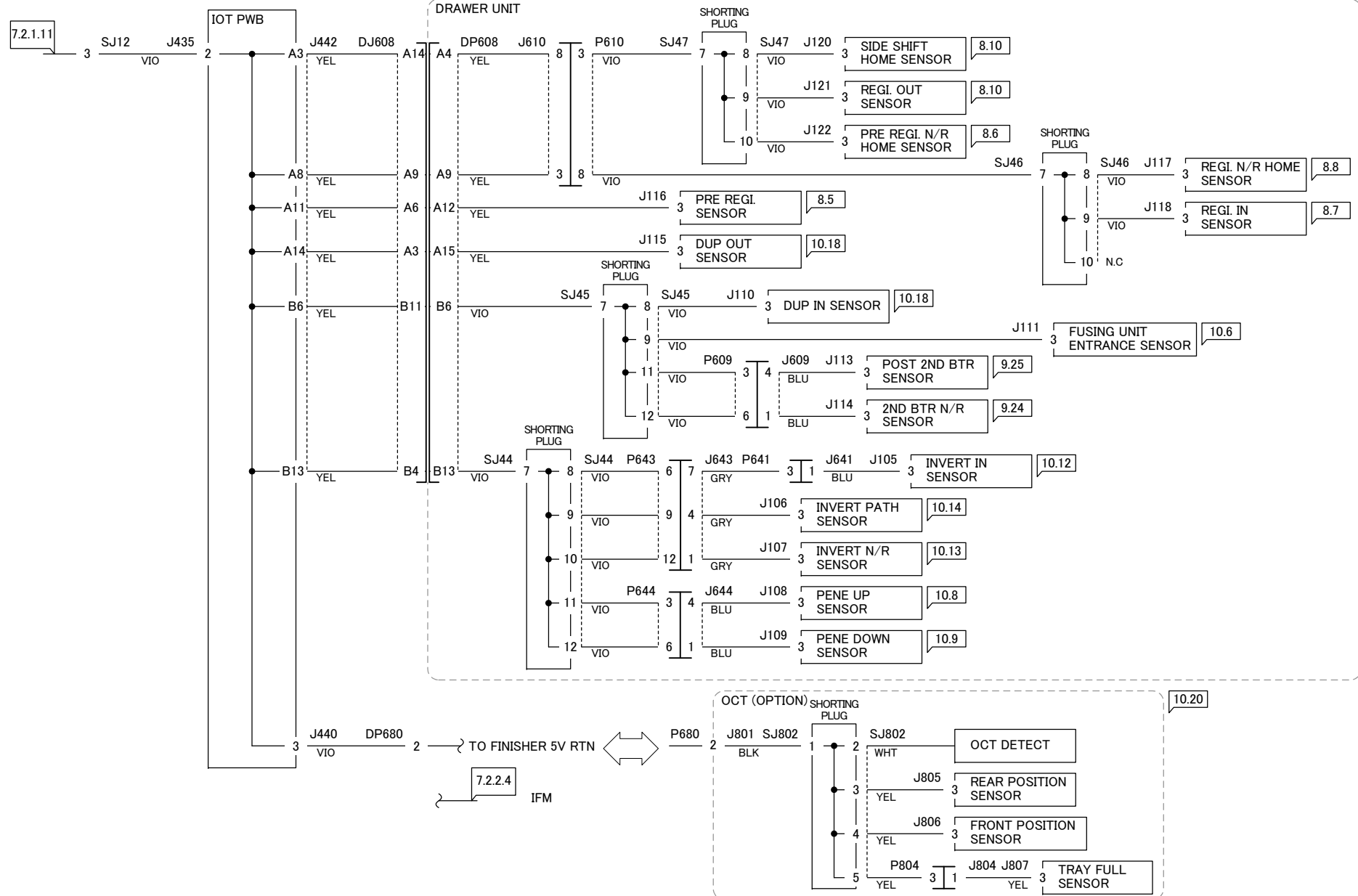
7.2.1.13 5V RTN_3



7.2.1.14 5V RTN_4

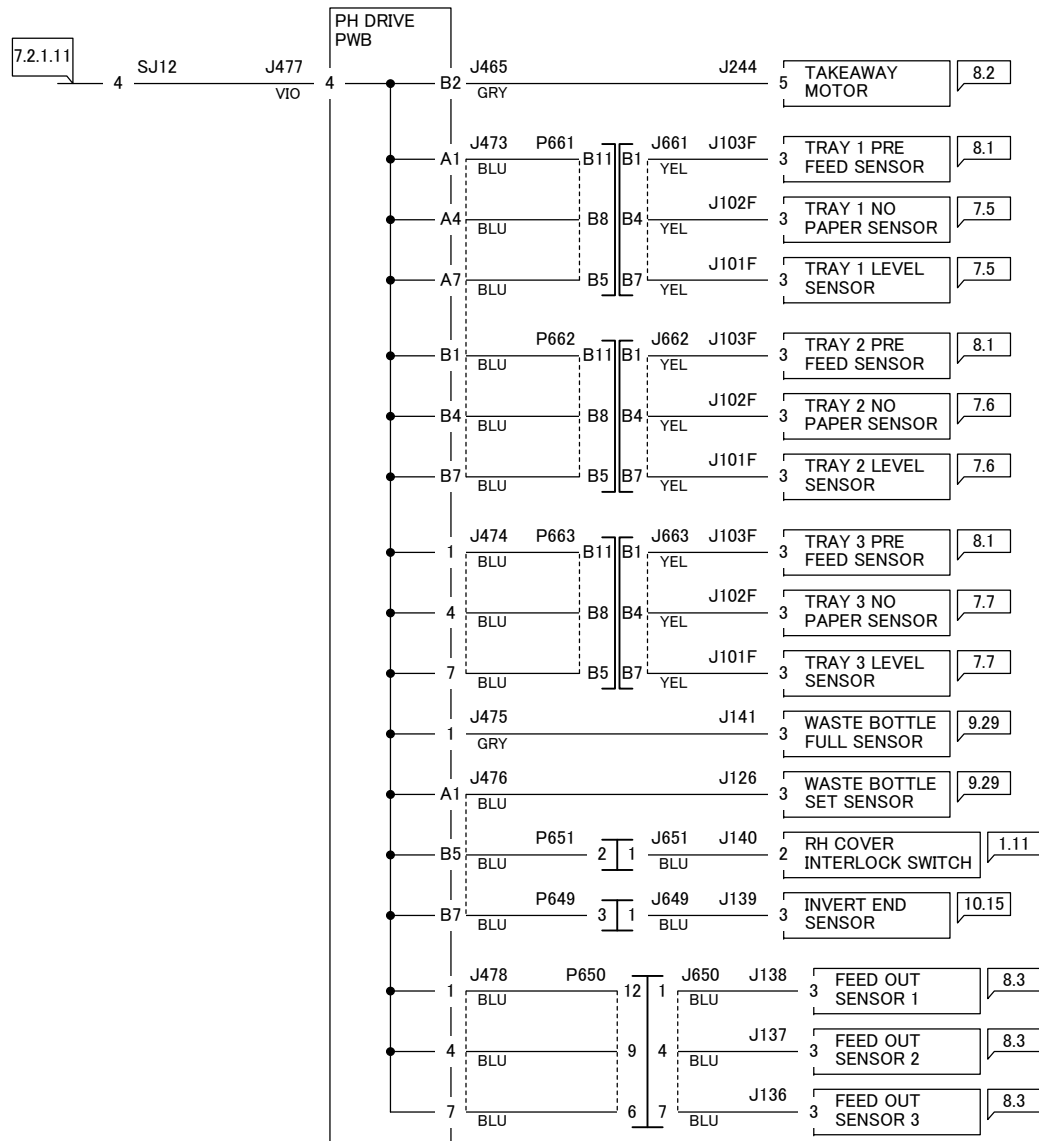


7.2.1.15 5V RTN_5

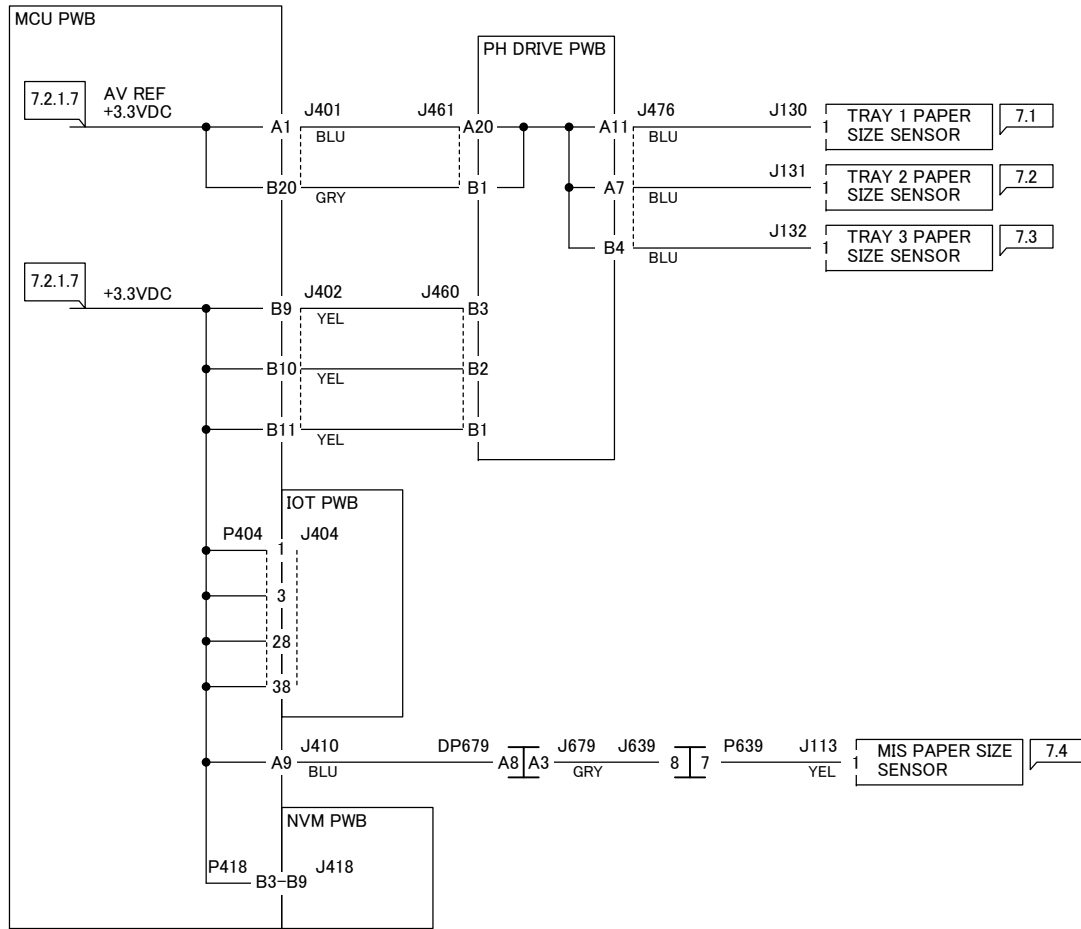


j0pr720115

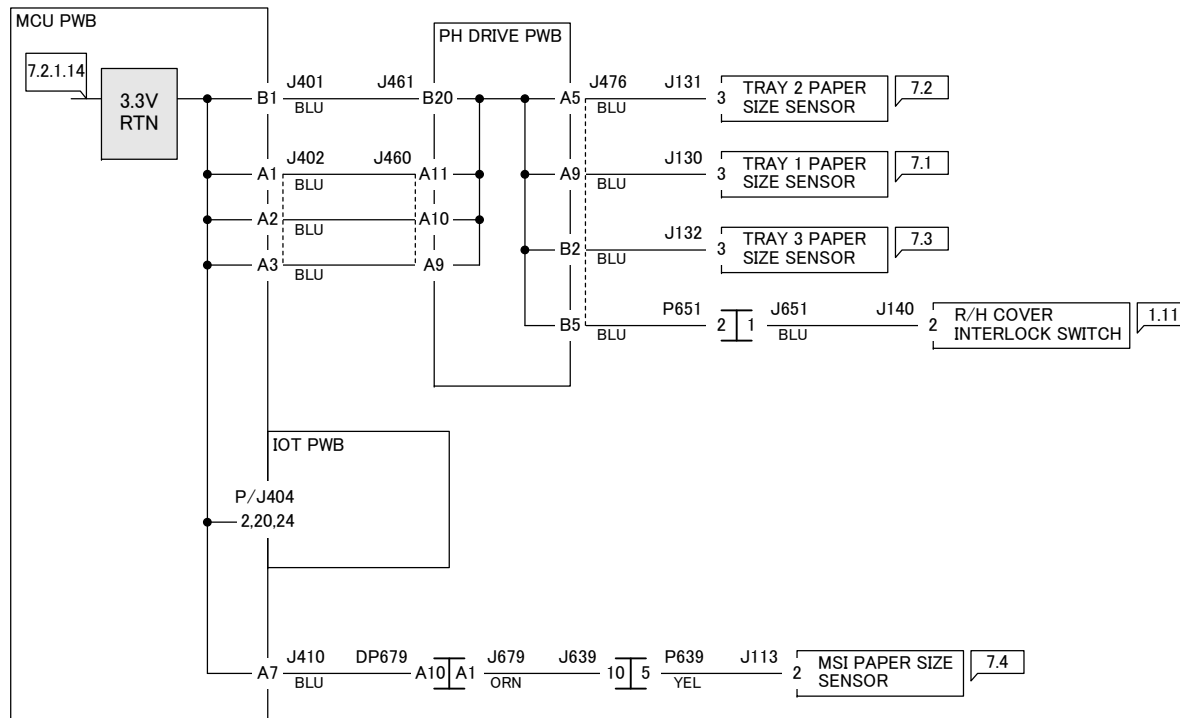
7.2.1.16 5V RTN_6



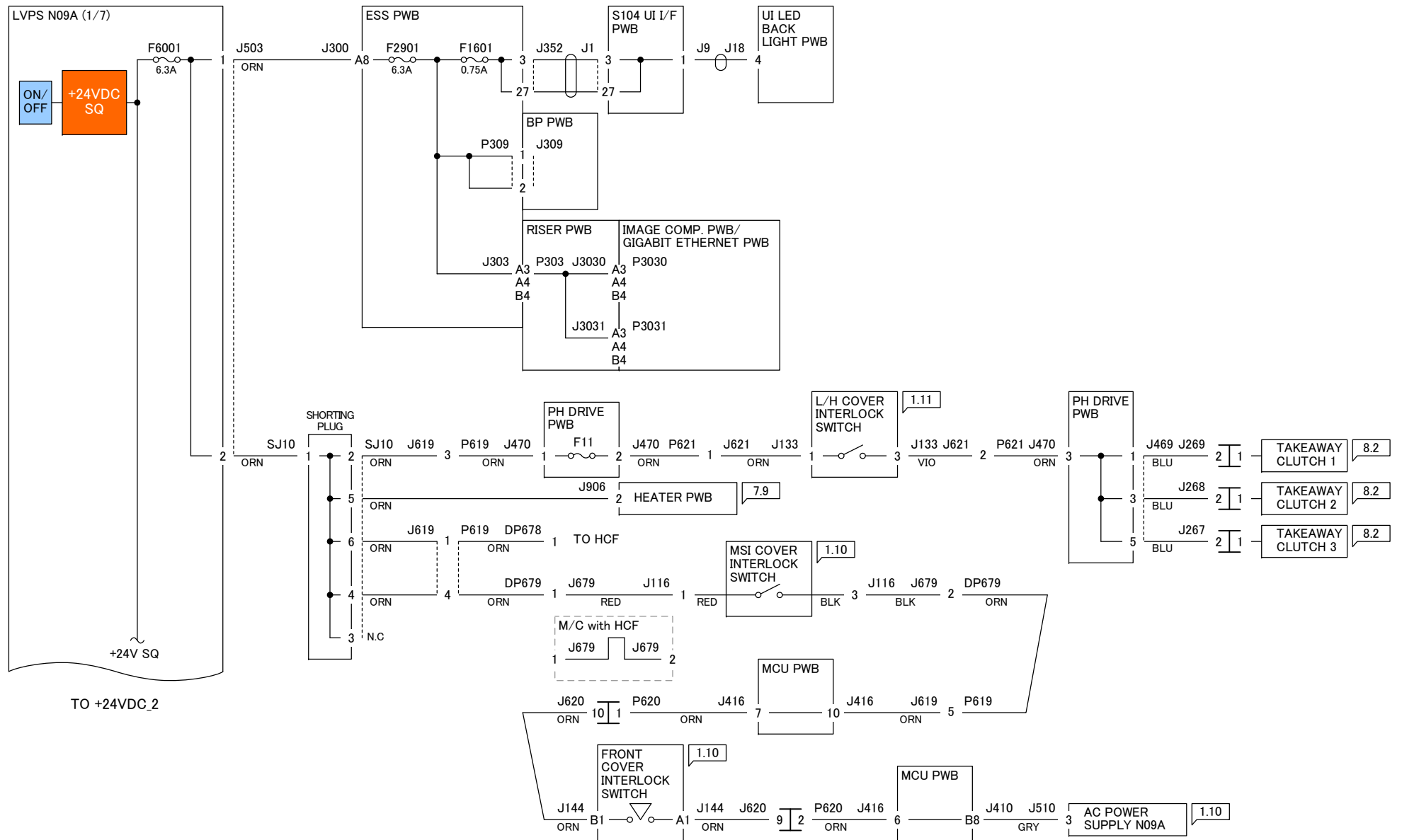
7.2.1.17 AV REF/MCU +3.3VDC



7.2.1.18 3.3V RTN

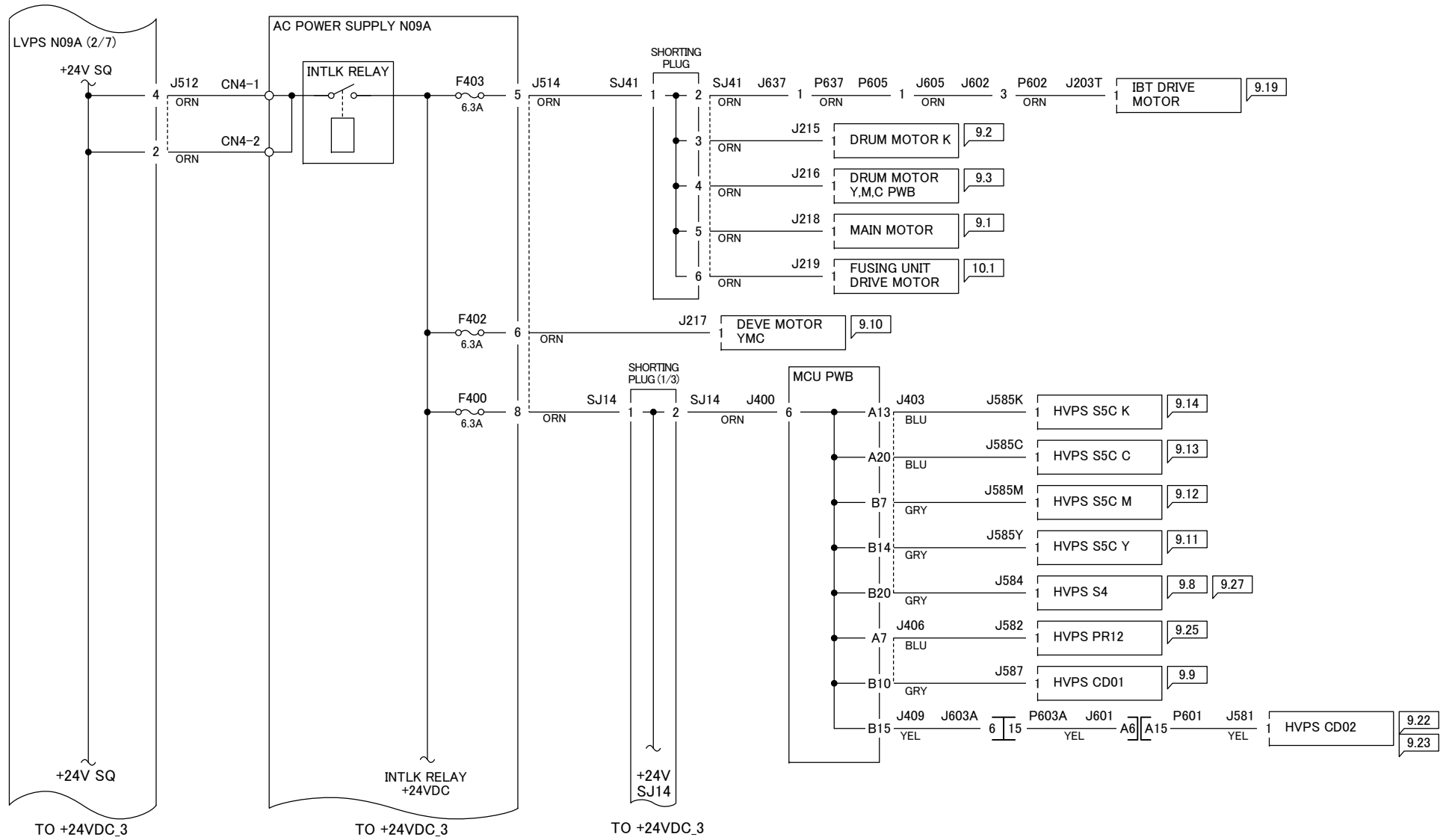


7.2.1.19 +24VDC_1

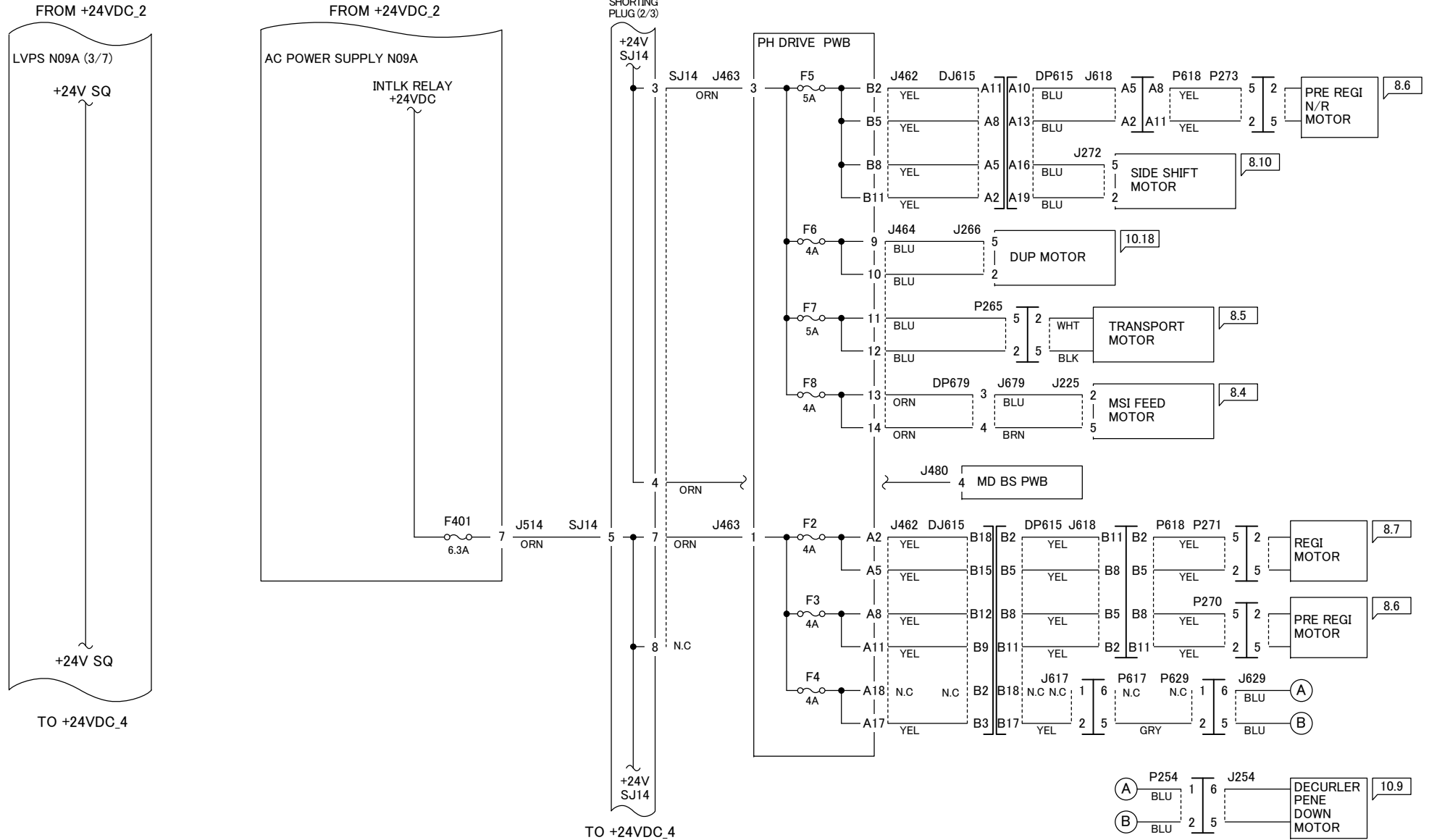


j0pr720119

7.2.1.20 +24VDC_2

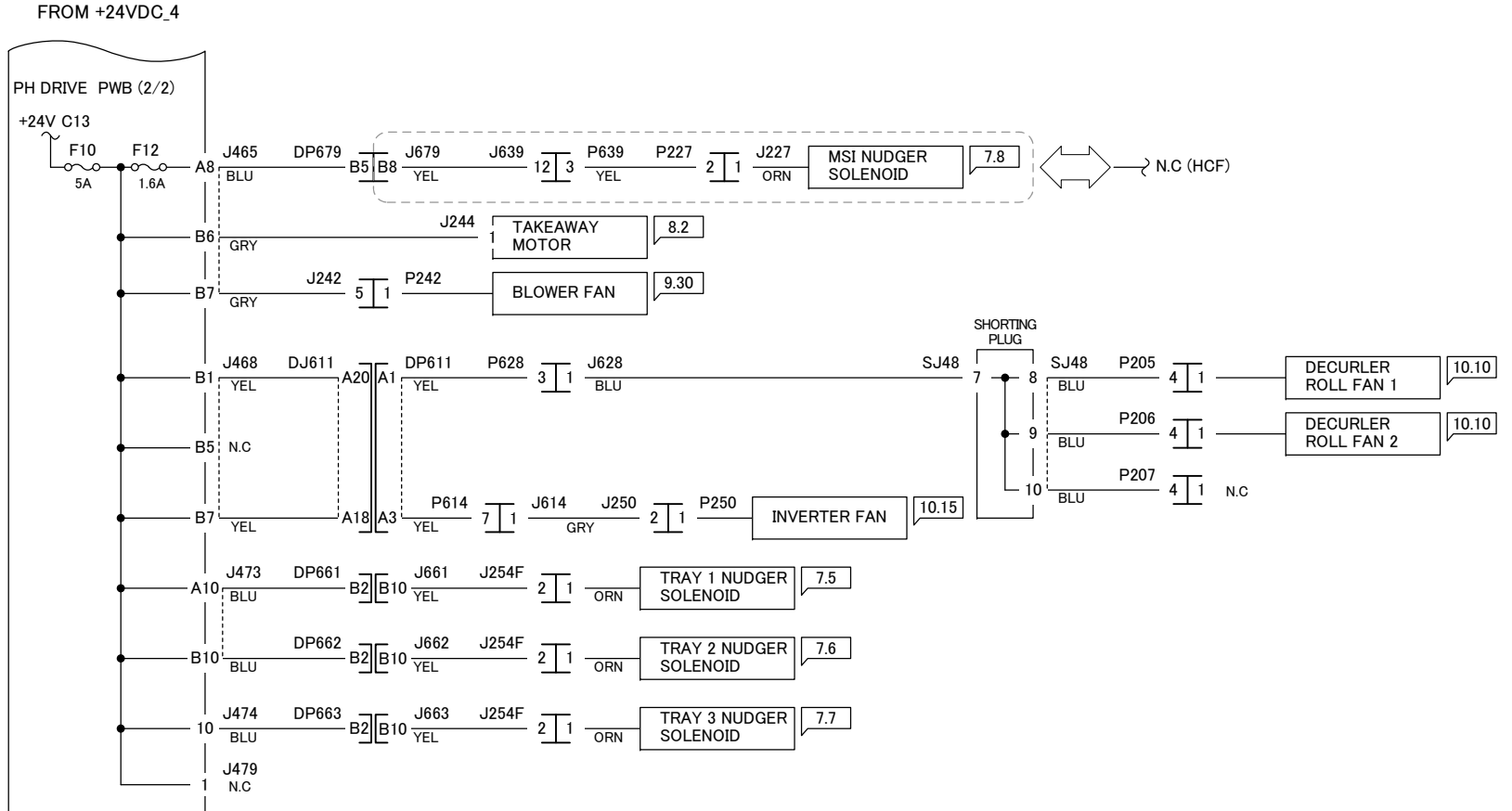
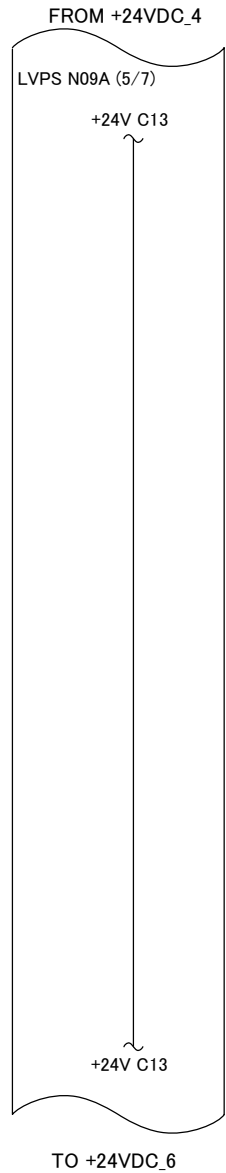


7.2.1.21 +24VDC_3

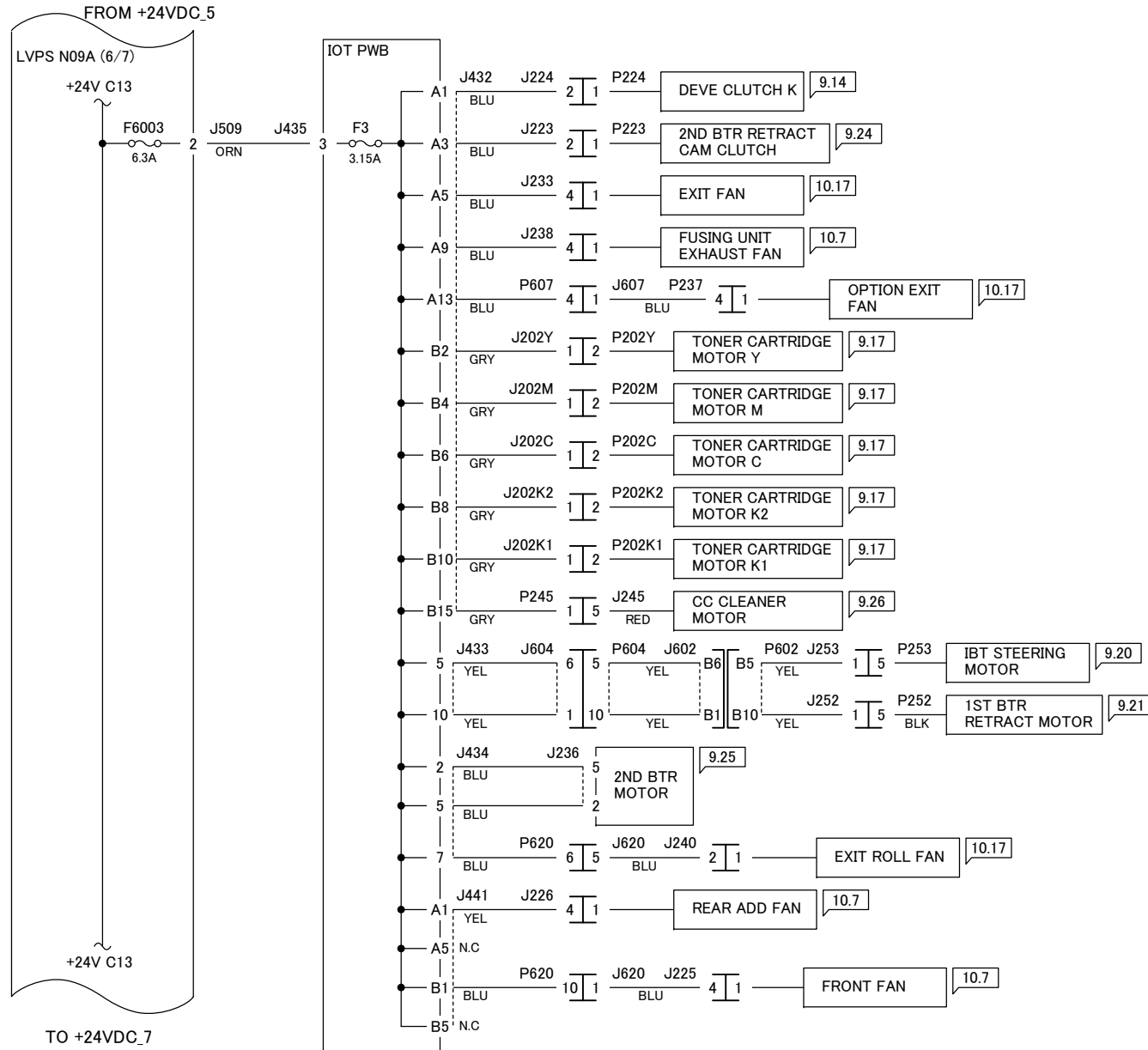


j0pr720121

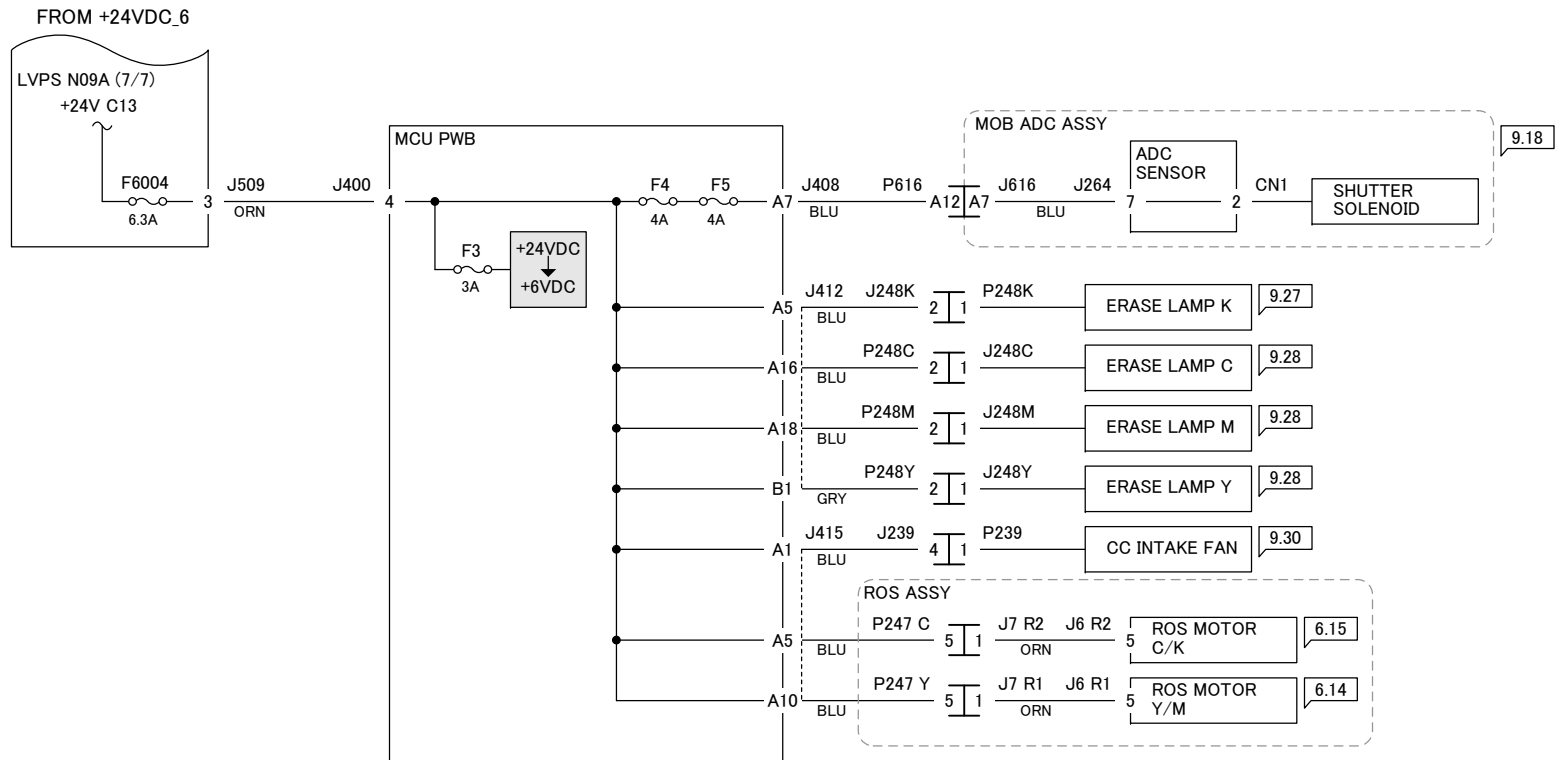
7.2.1.23 +24VDC_5



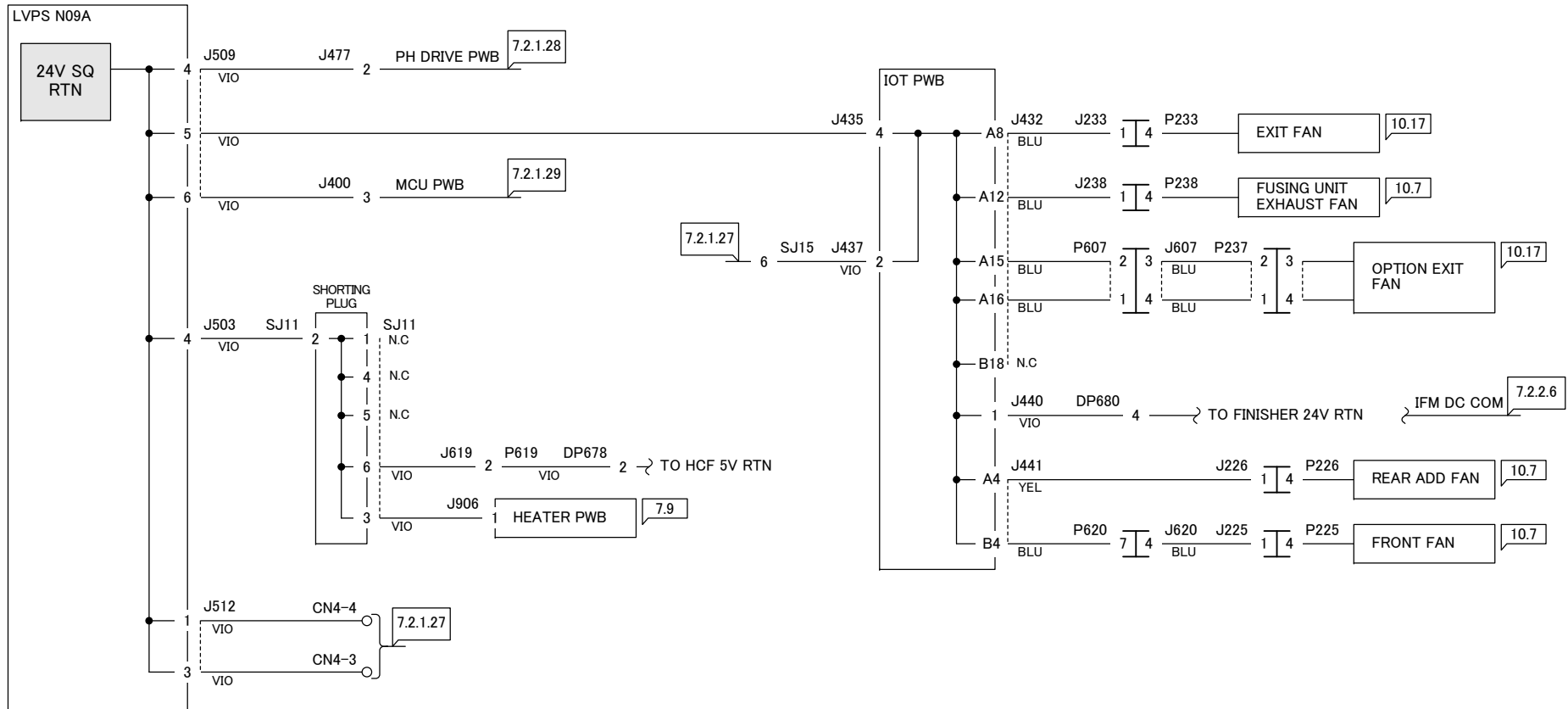
7.2.1.24 +24VDC_6



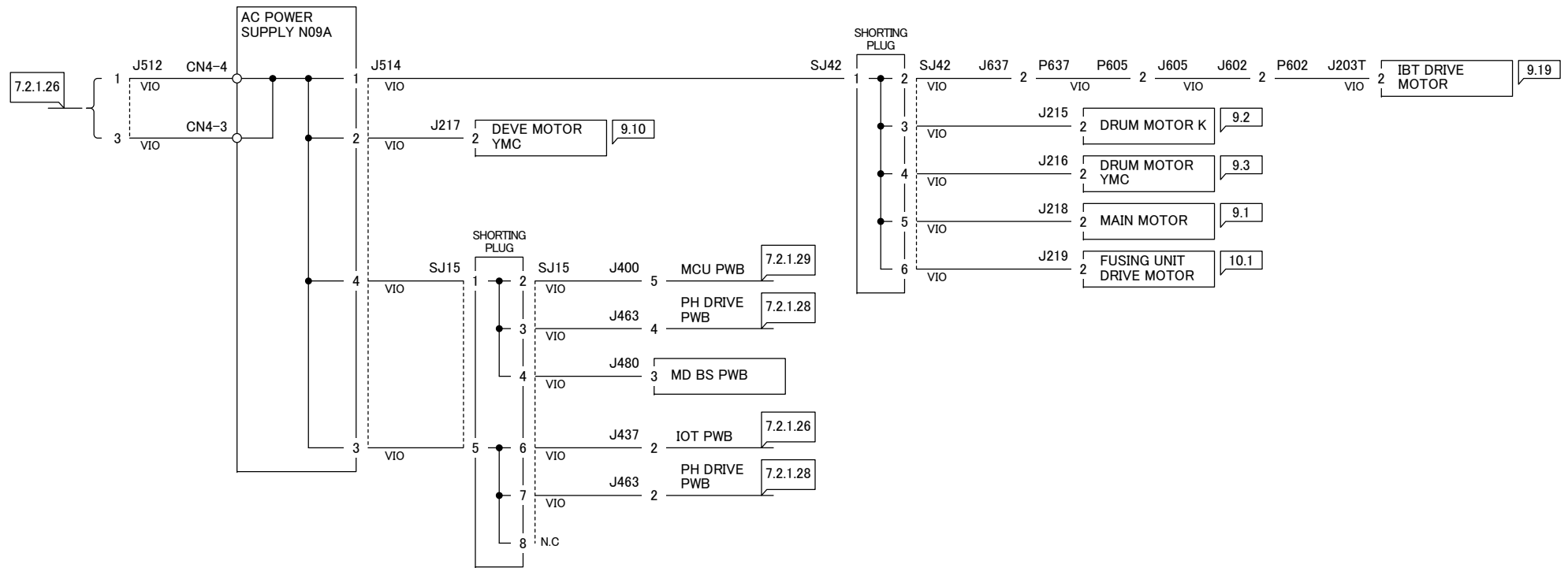
7.2.1.25 +24VDC_7



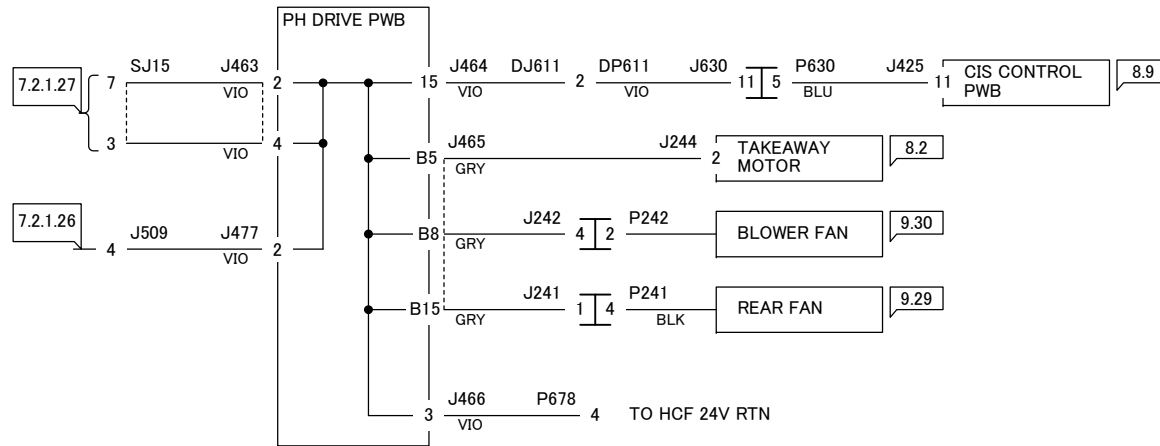
7.2.1.26 24V RTN_1



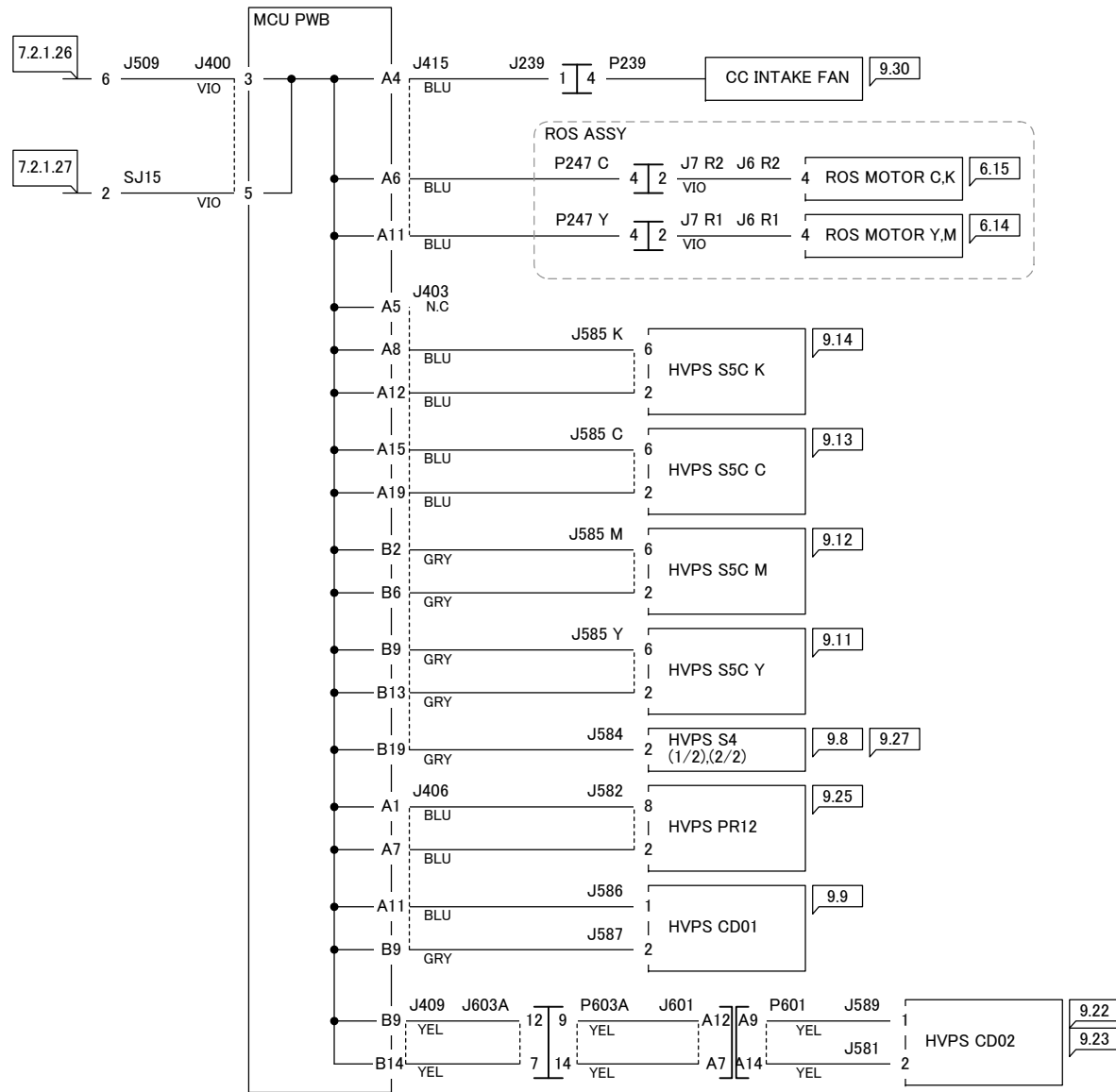
7.2.1.27 24V RTN_2



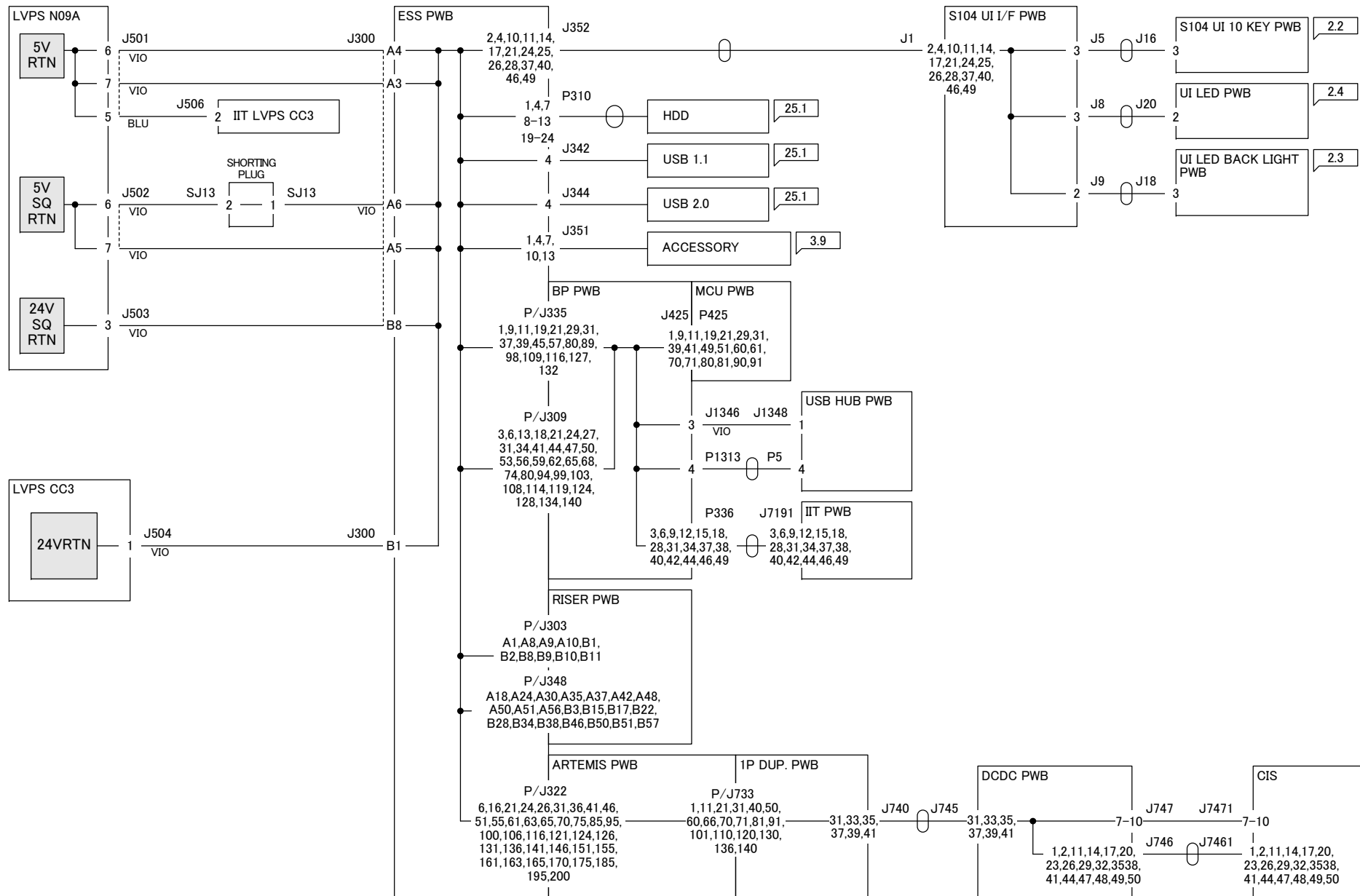
7.2.1.28 24V RTN_3



7.2.1.29 24V RTN_4

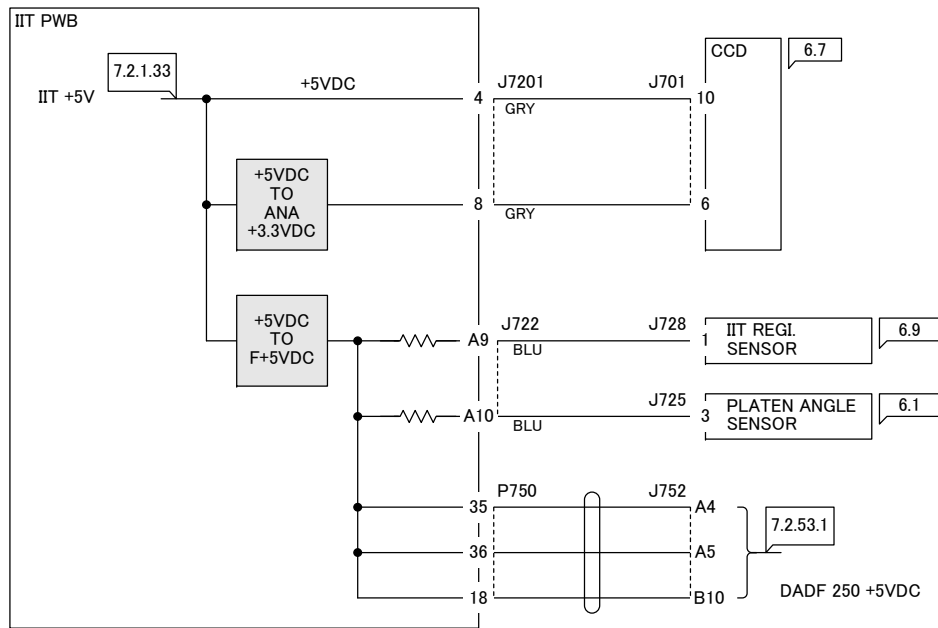


7.2.1.31 ESS DC COM

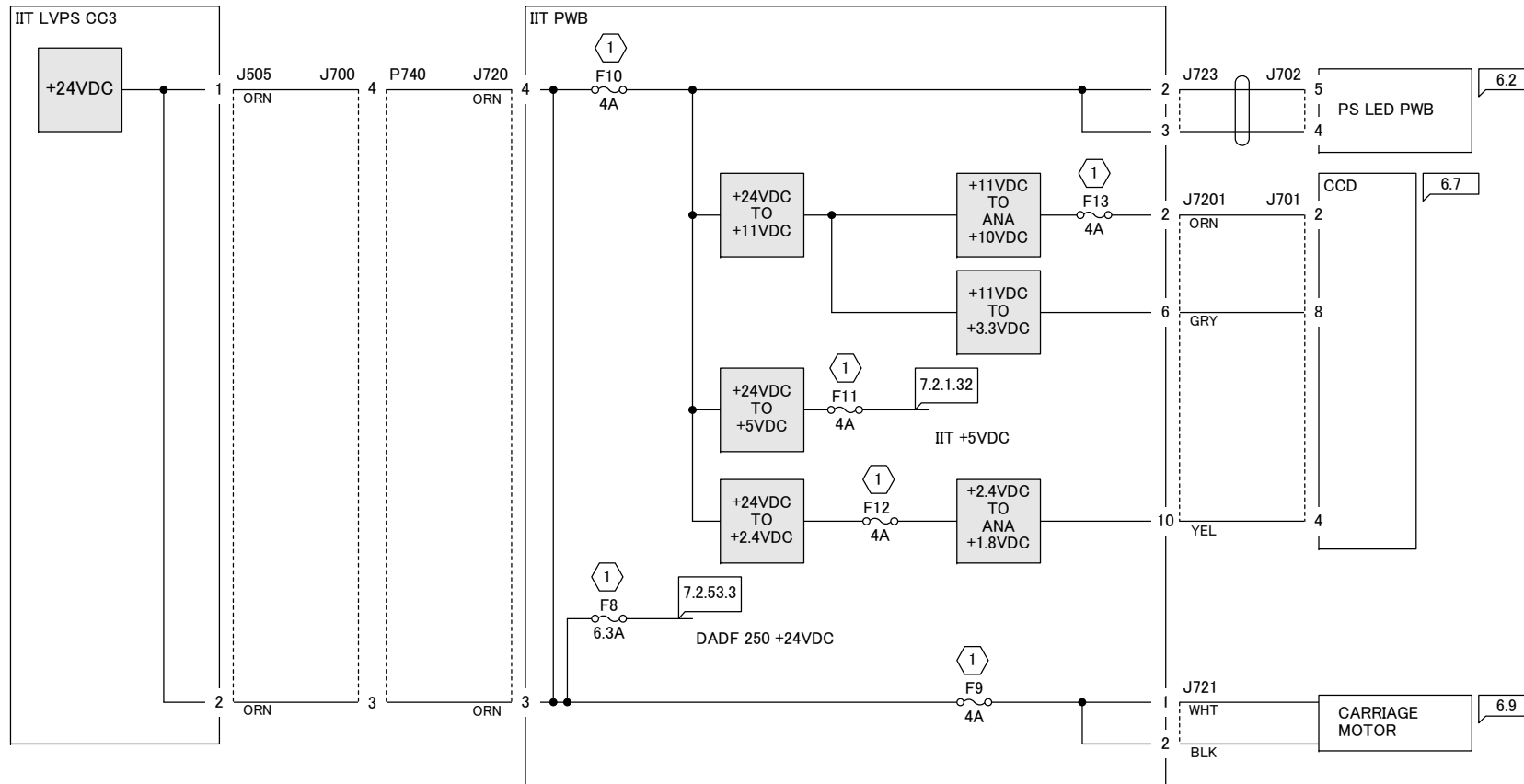


j0pr720131

7.2.1.32 IIT +5VDC



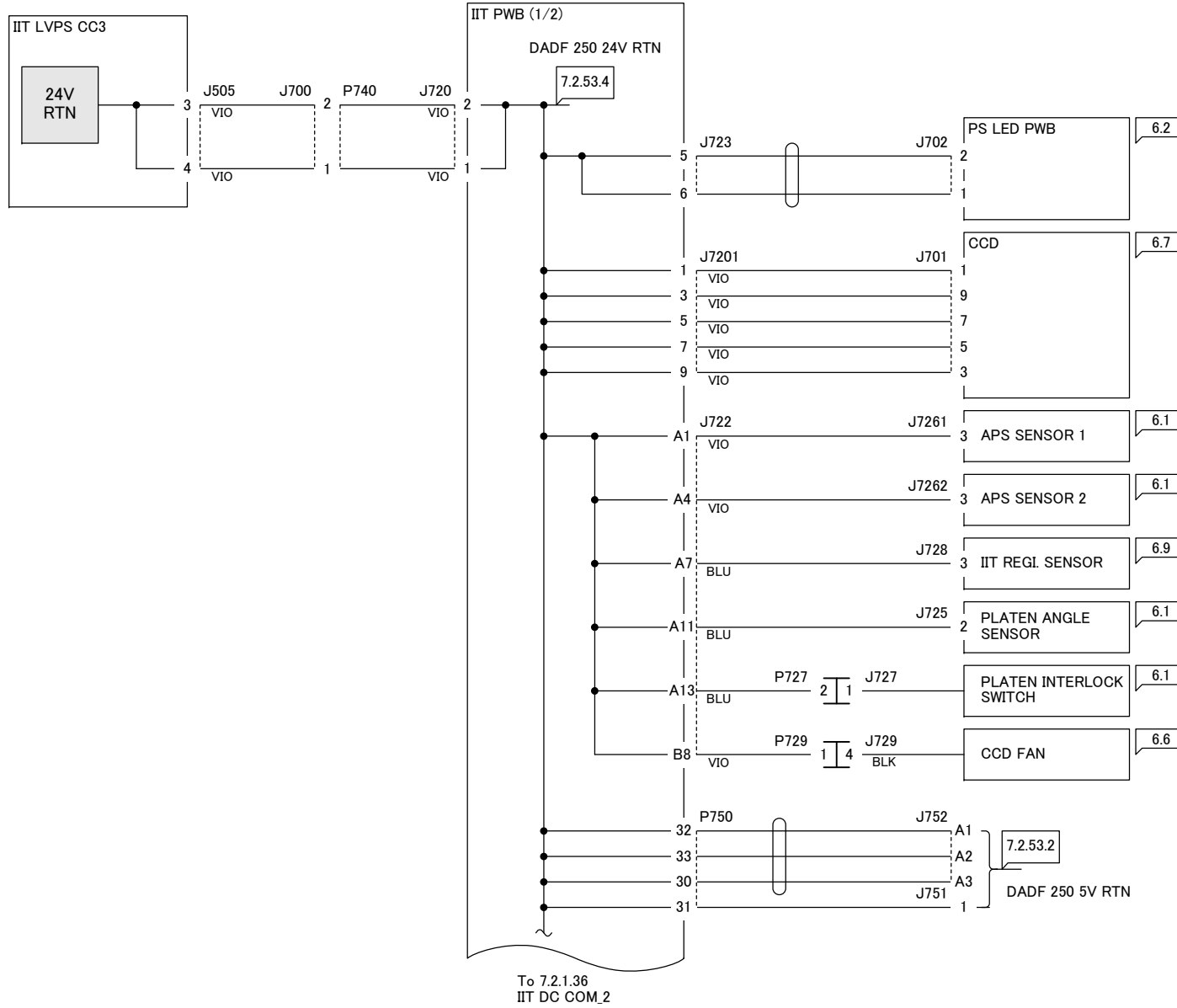
7.2.1.33 IIT +24VDC



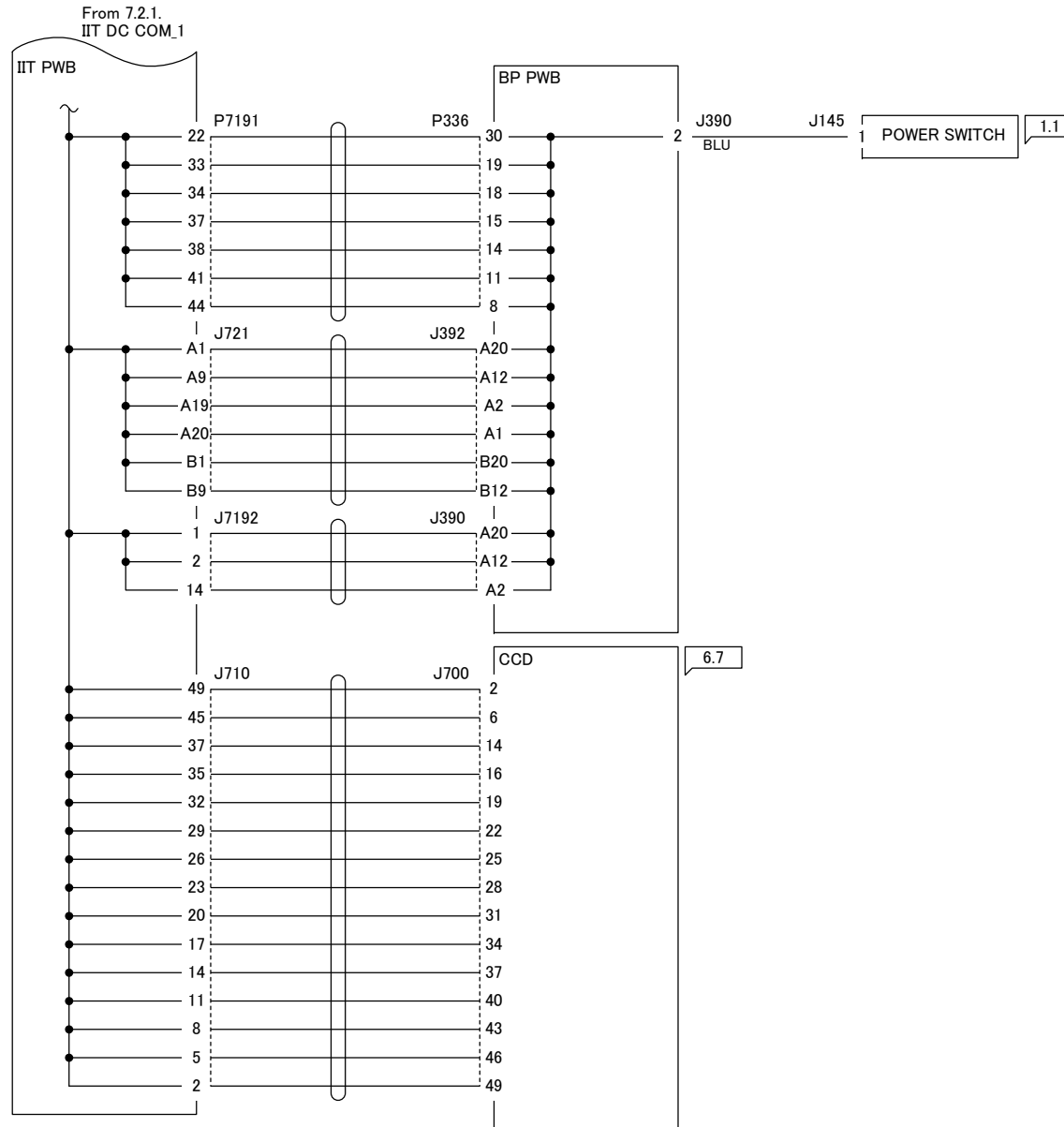
NOTE:

 Chip Fuse

7.2.1.34 IIT DC COM_1

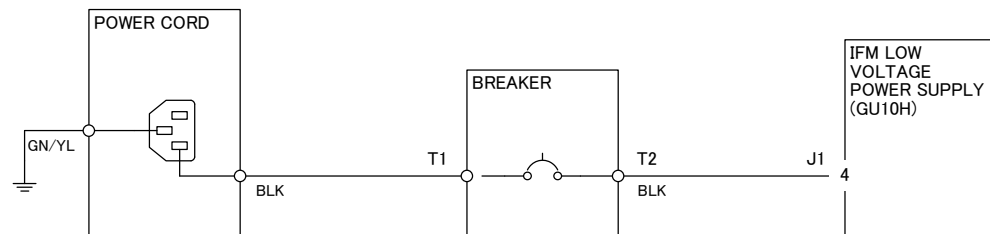


7.2.1.35 IIT DC COM_2

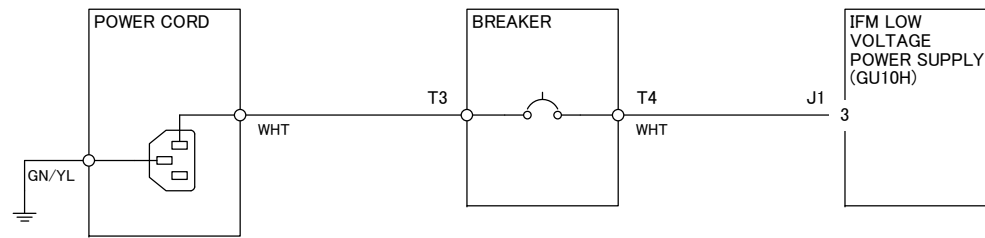


7.2.2 IFM

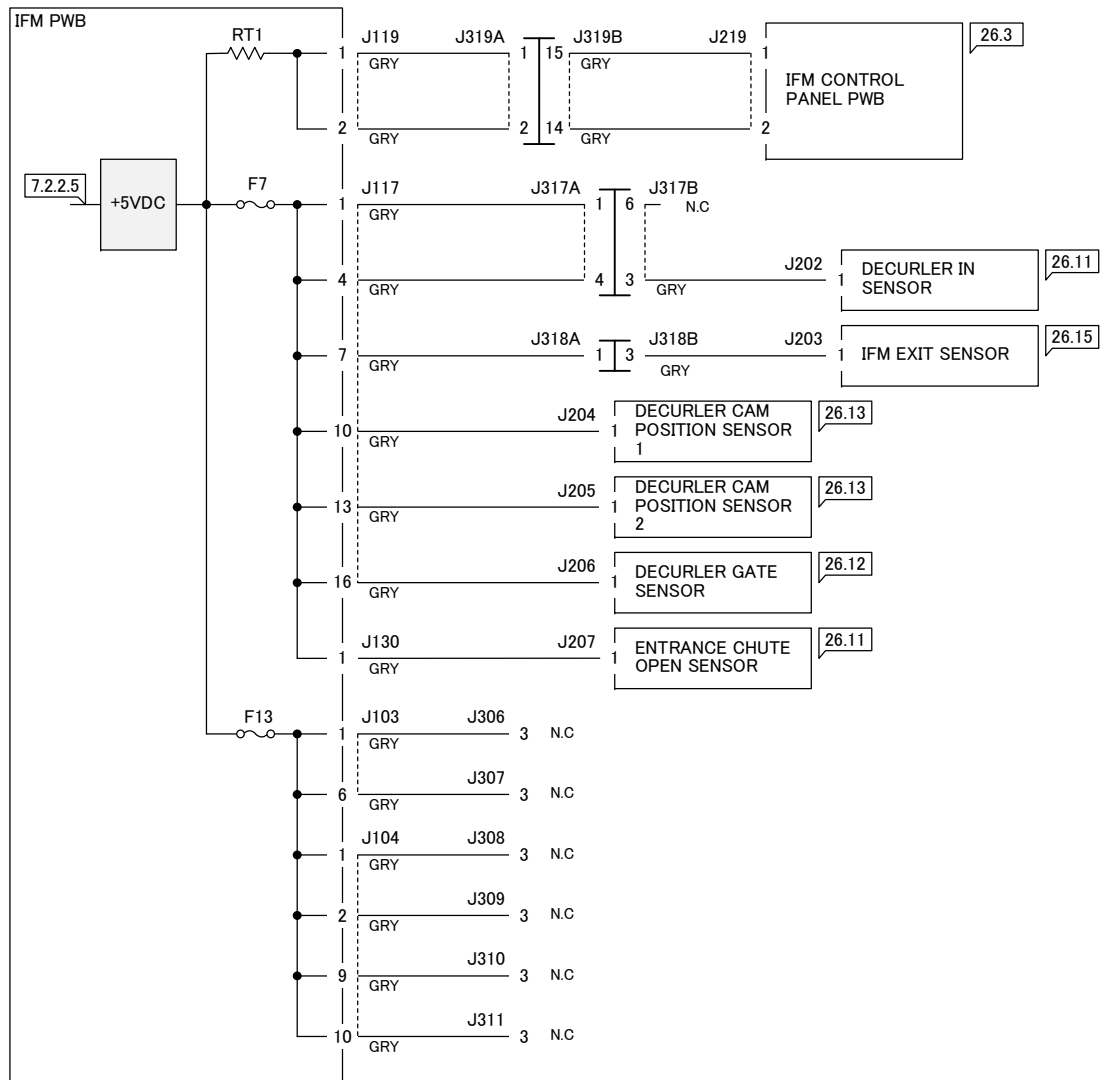
7.2.2.1 AC POWER (HOT)



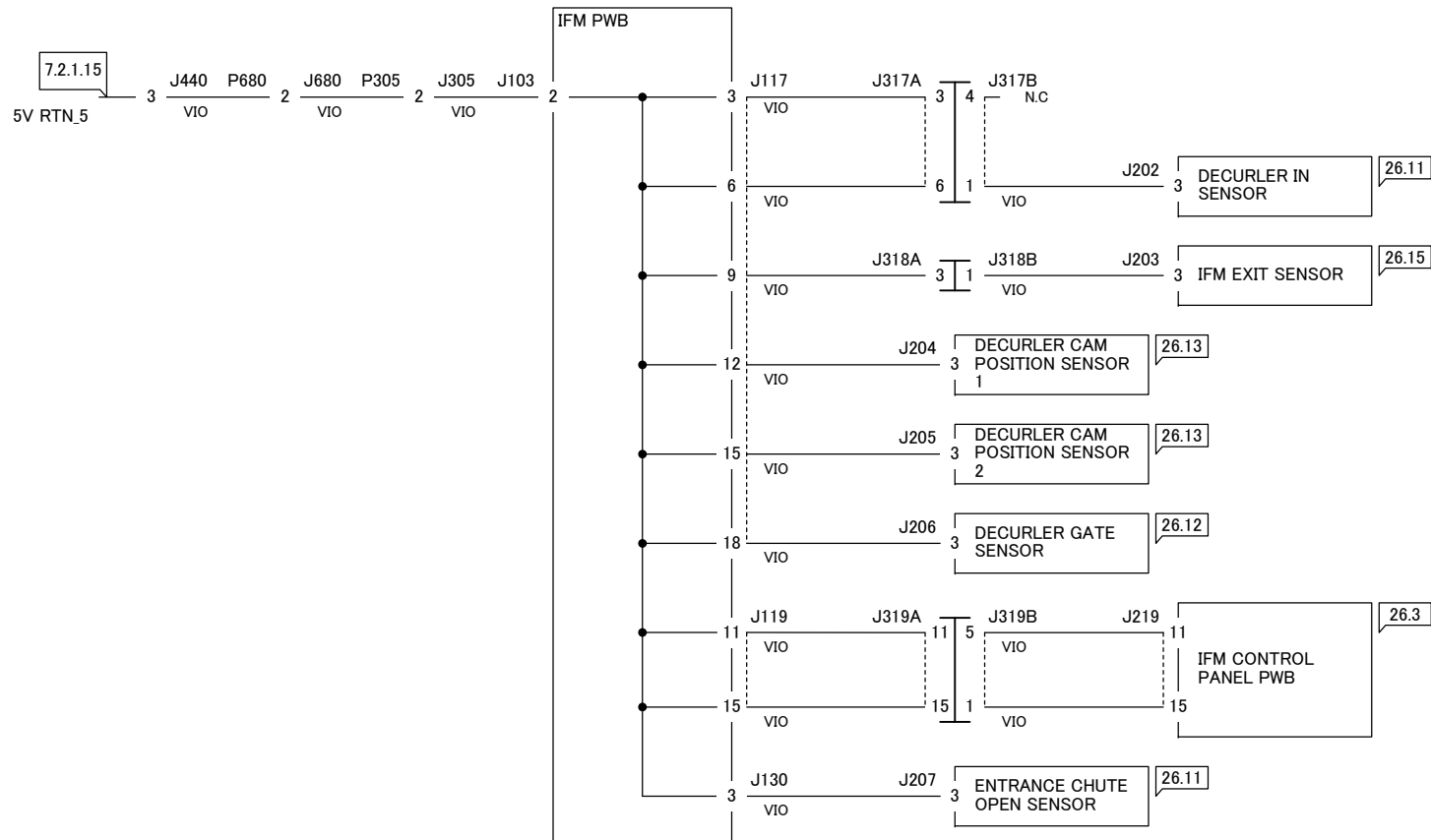
7.2.2.2 AC POWER (NUT)



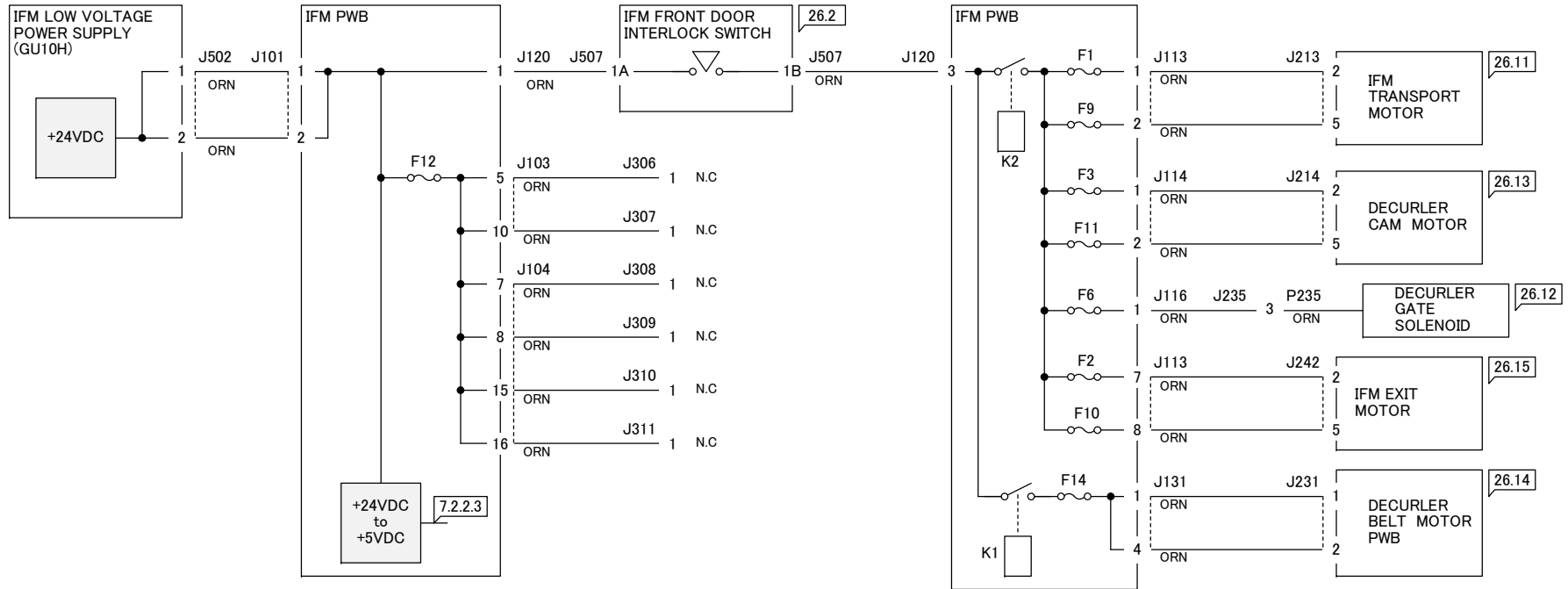
7.2.2.3 +5VDC



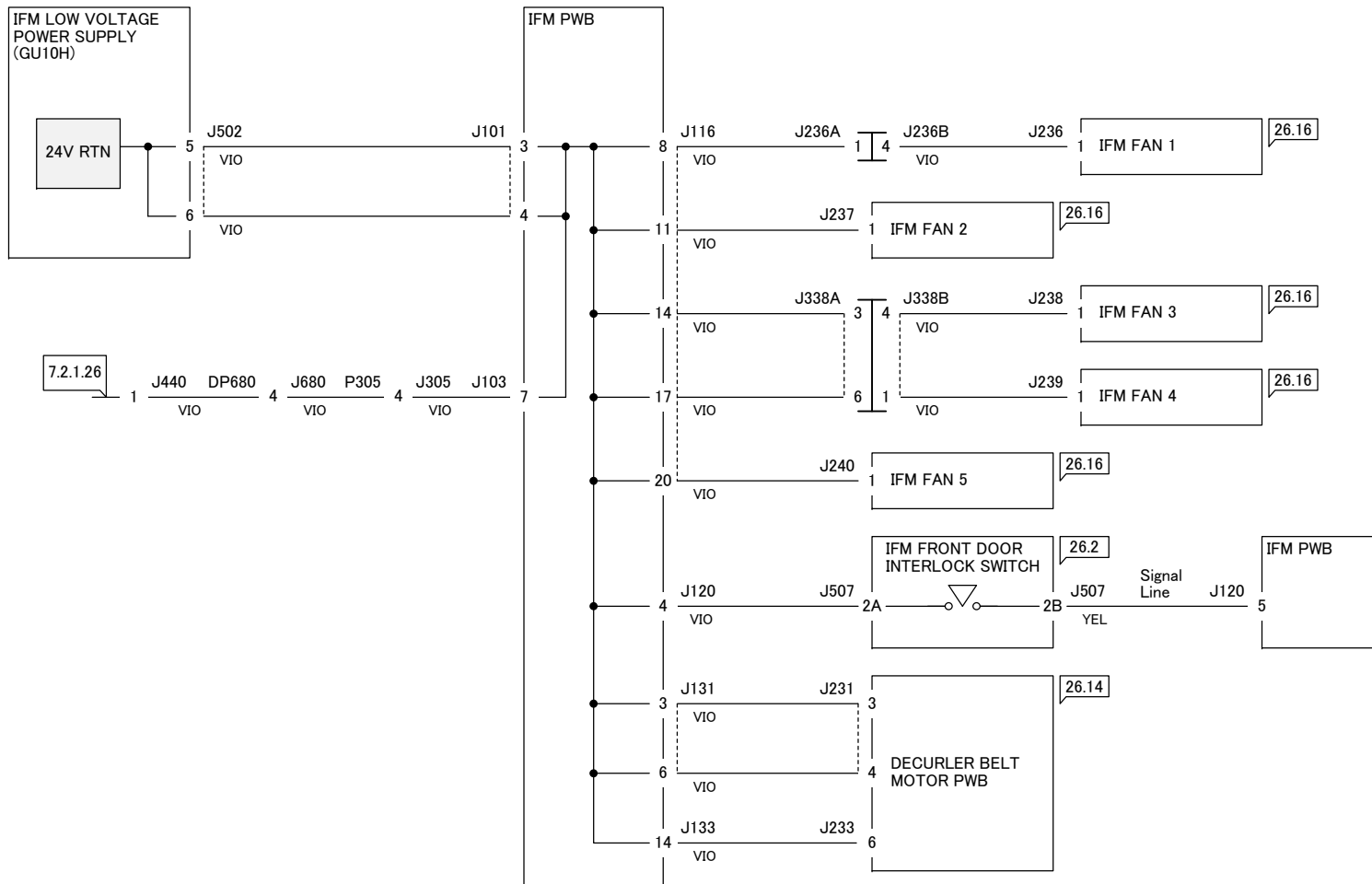
7.2.2.4 DC COM (5V RTN)



7.2.2.5 +24VDC

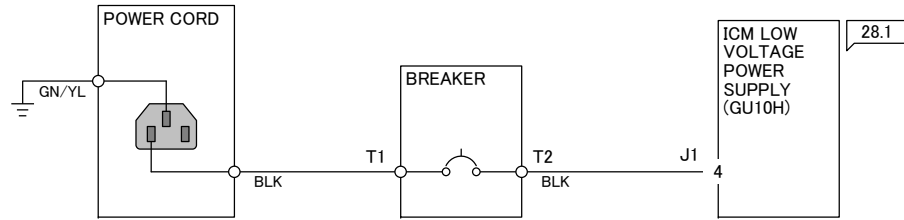


7.2.2.6 DC COM (24V RTN)

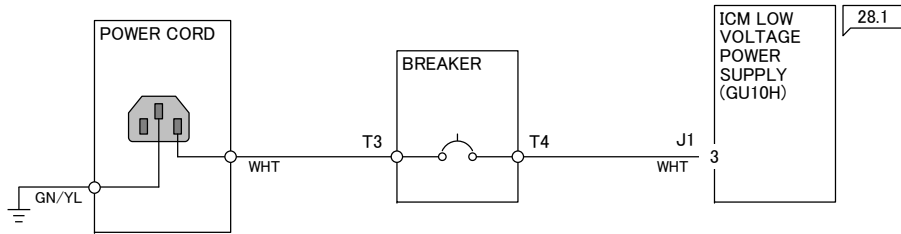


7.2.3 ICM

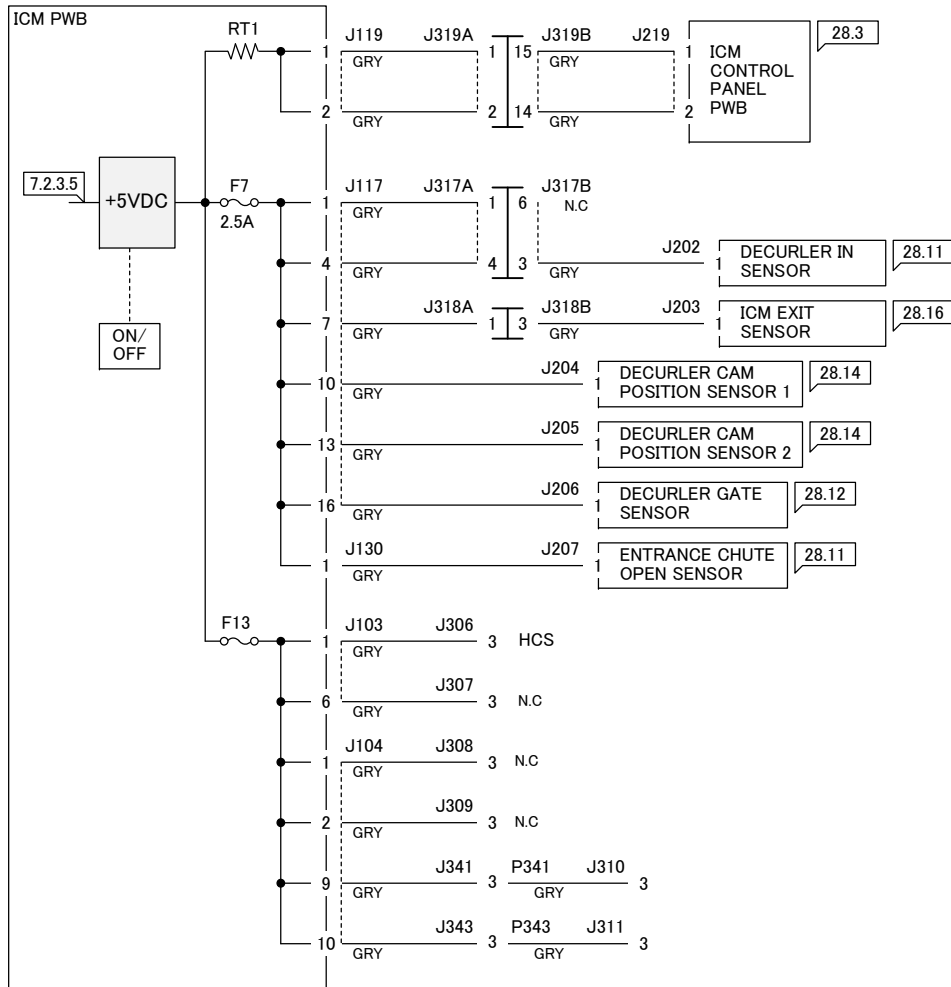
7.2.3.1 AC POWER (HOT)



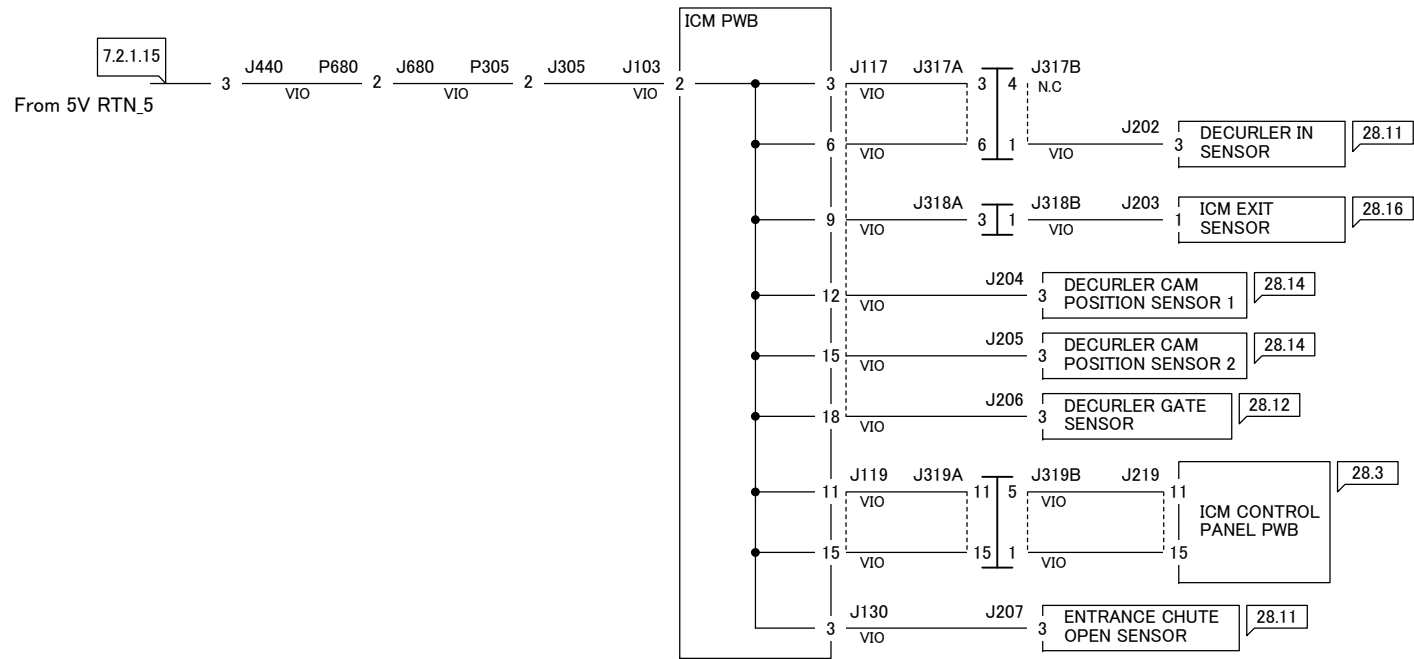
7.2.3.2 AC POWER (NEUTRAL)



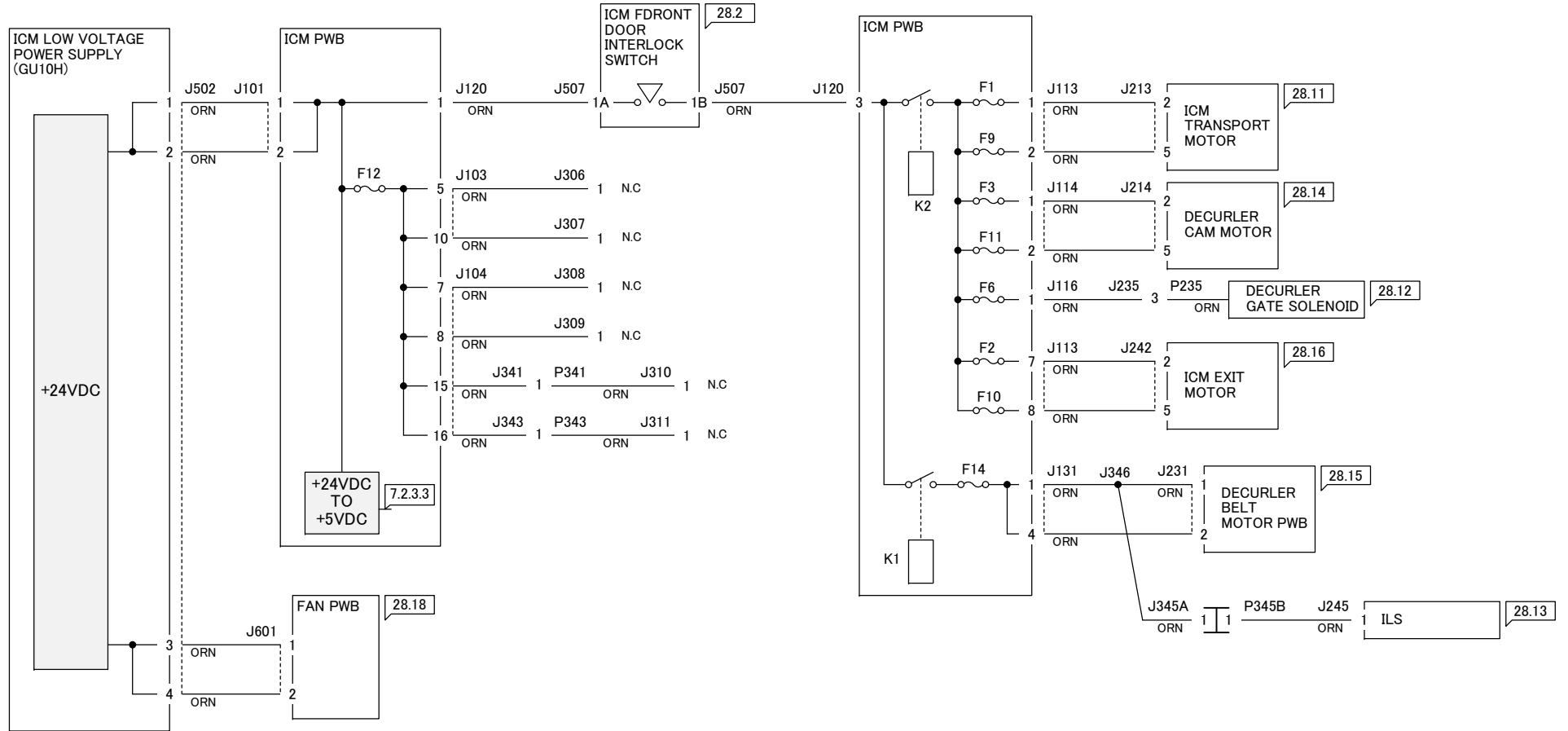
7.2.3.3 +5VDC



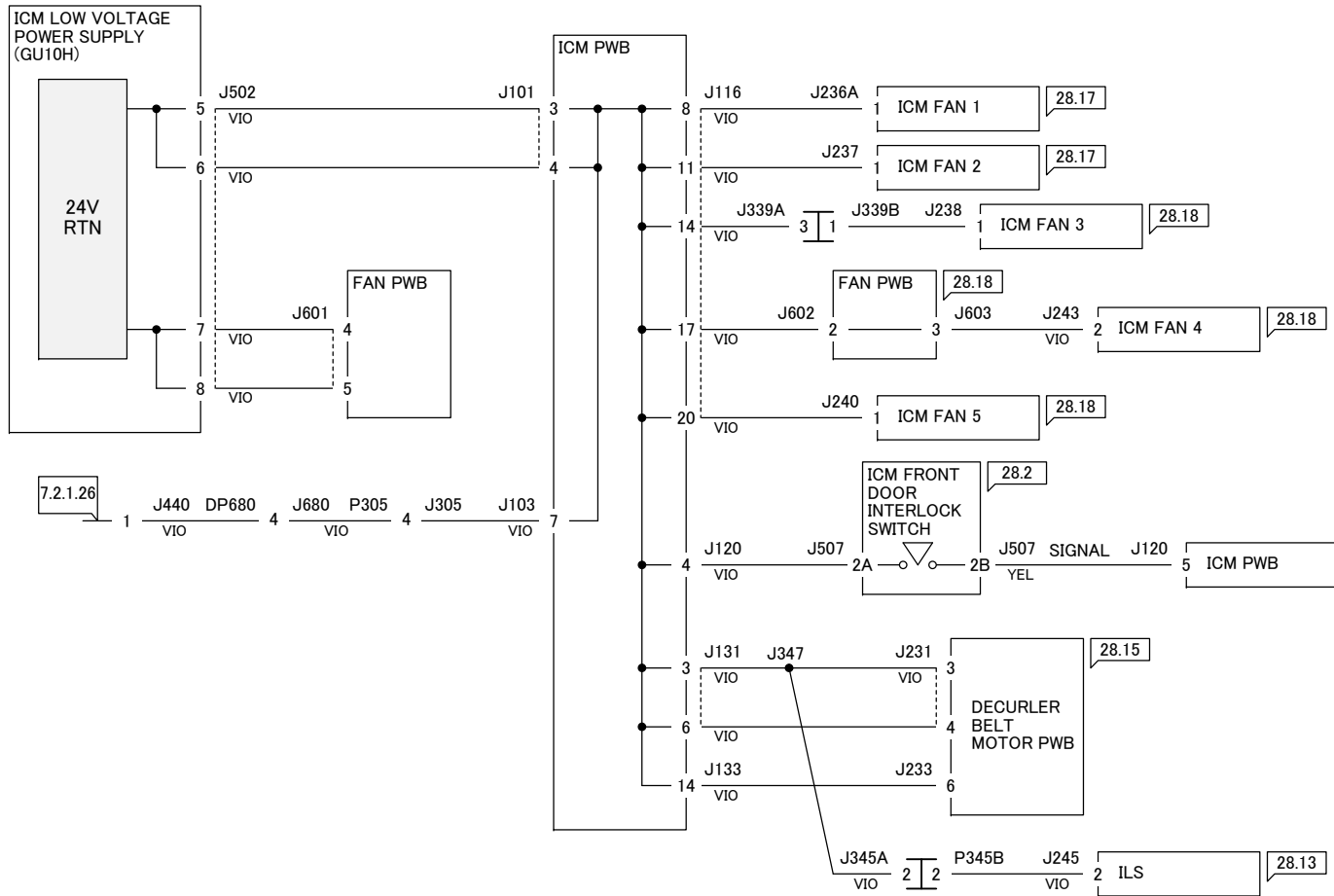
7.2.3.4 DC COM (5V RTN)



7.2.3.5 +24VDC

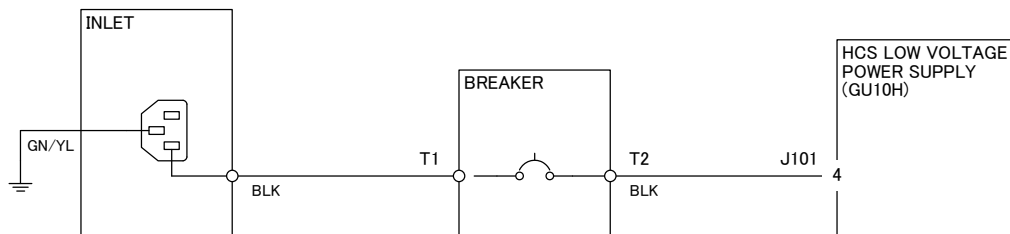


7.2.3.6 DC COM (24V RTN)

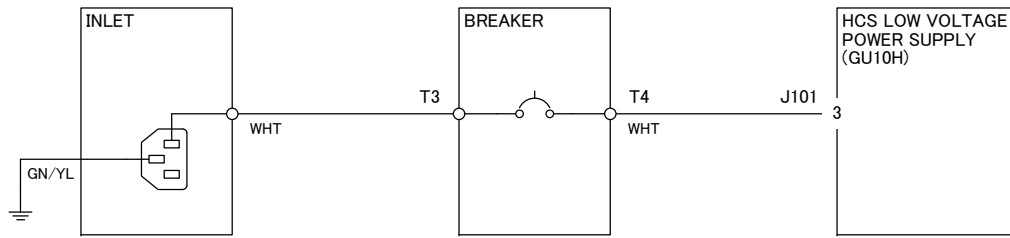


7.2.4 HCS

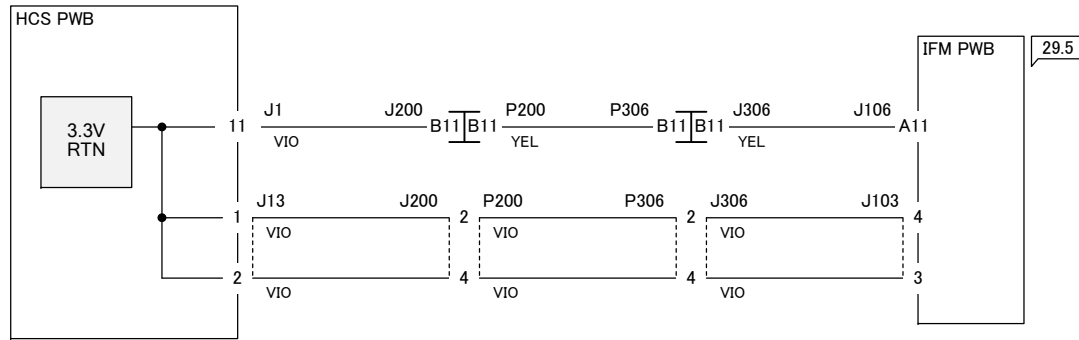
7.2.4.1 AC POWER (HOT)



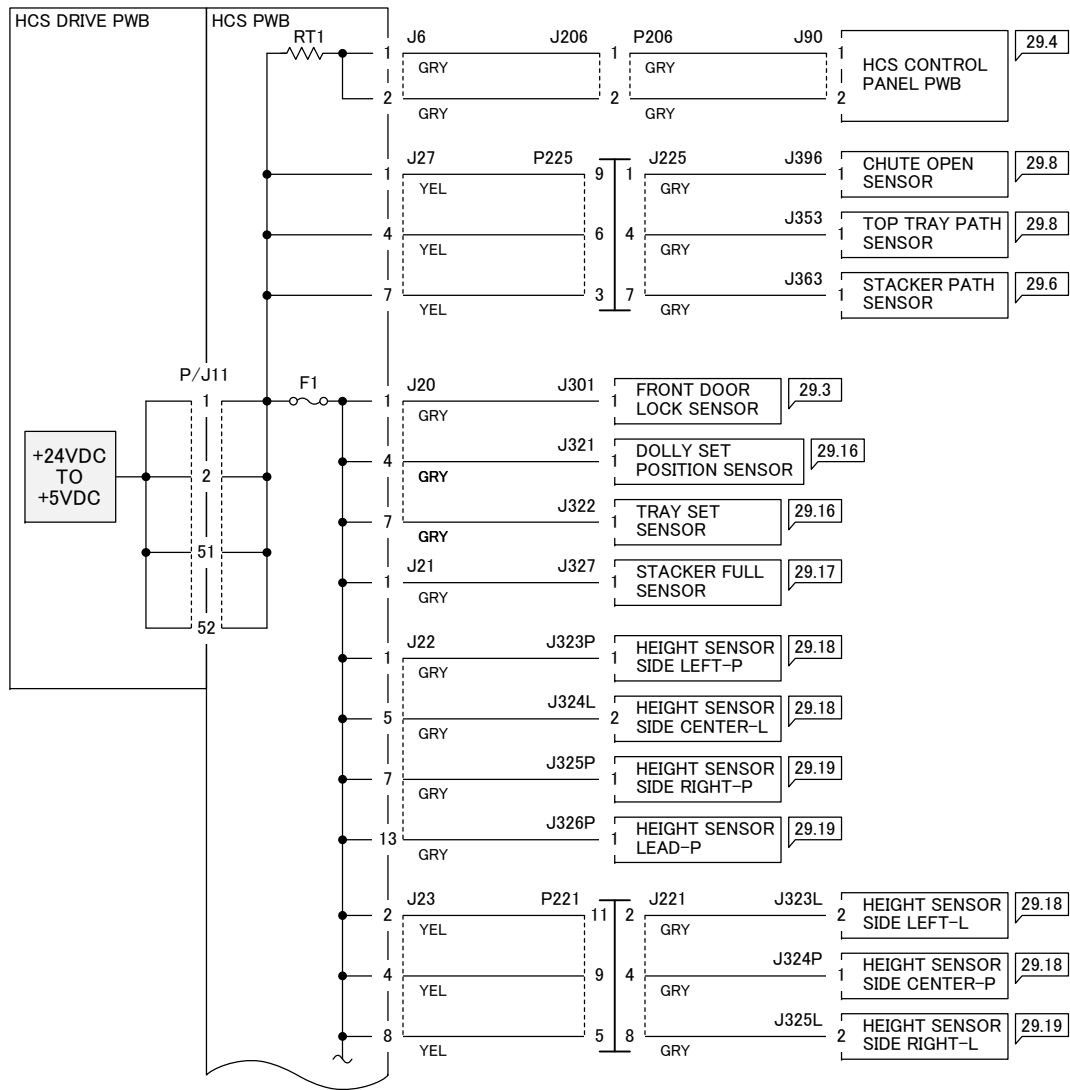
7.2.4.2 AC POWER (NUT)



7.2.4.3 DC COM (3.3V RTN)



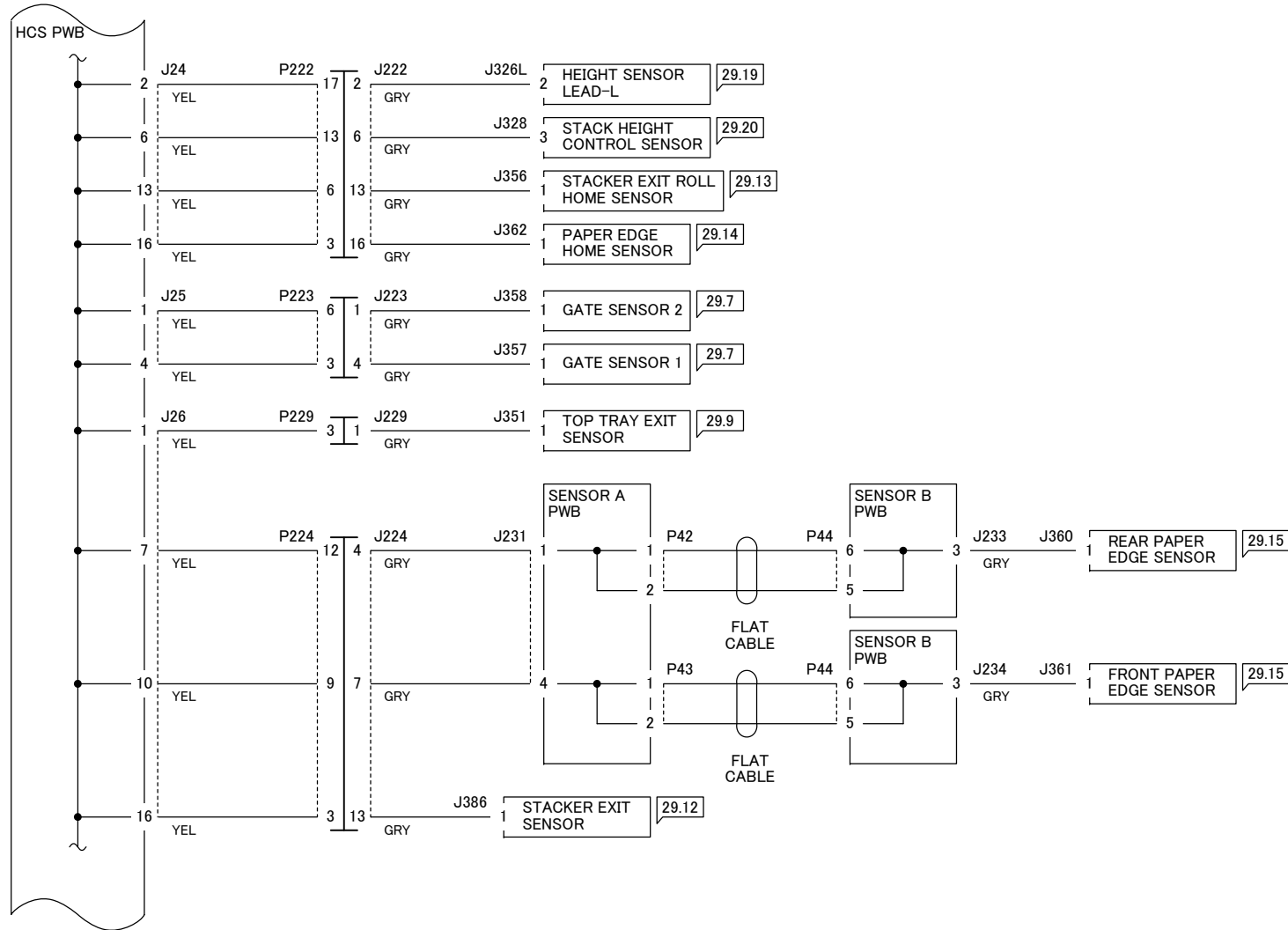
7.2.4.4 +5VDC-1



(SEE HCS +5VDC-2)

7.2.4.5 +5VDC-2

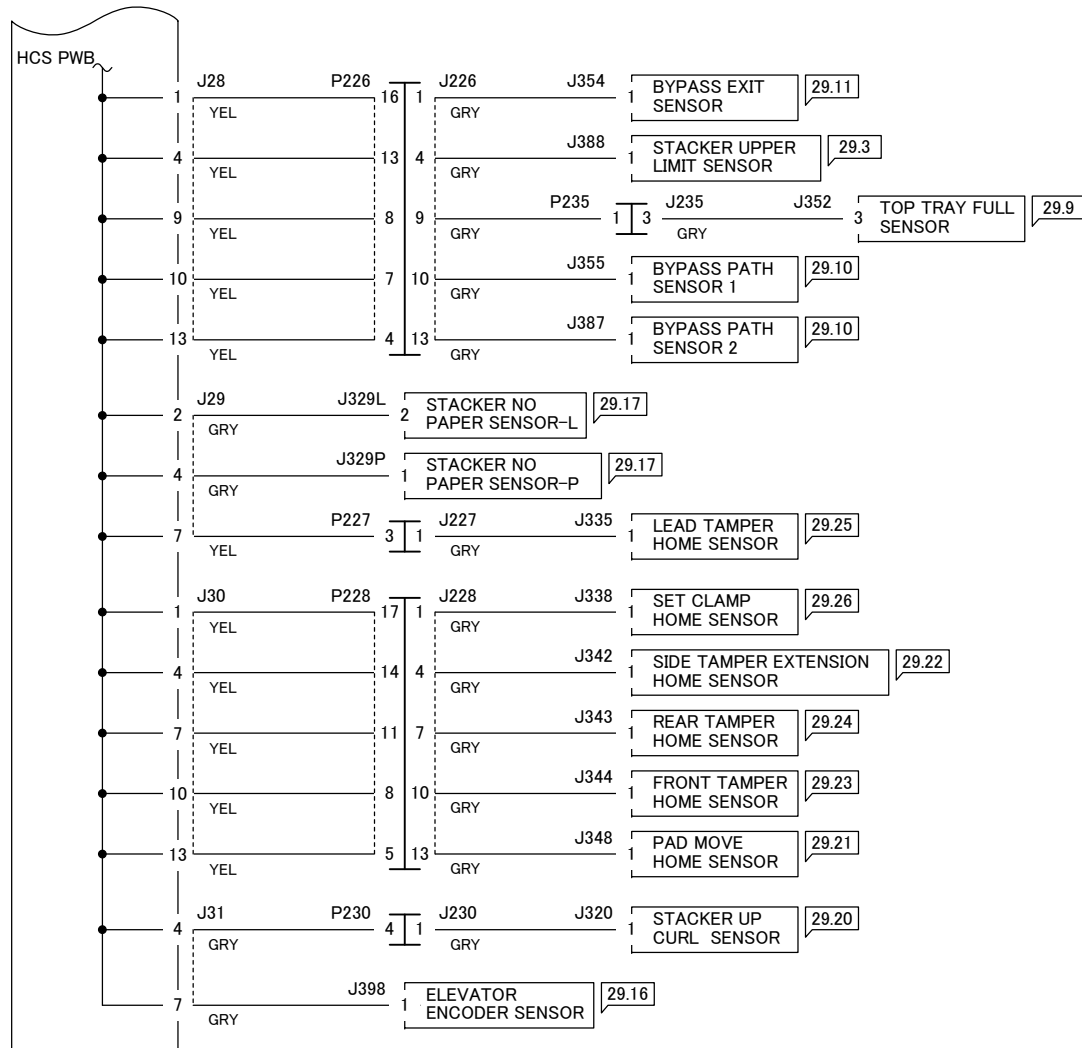
(FROM HCS +5VDC-1)



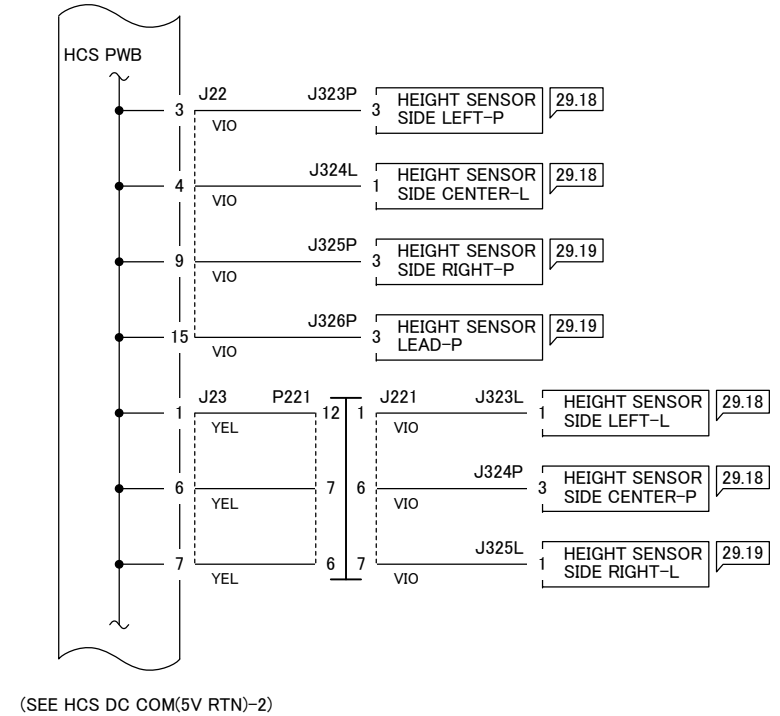
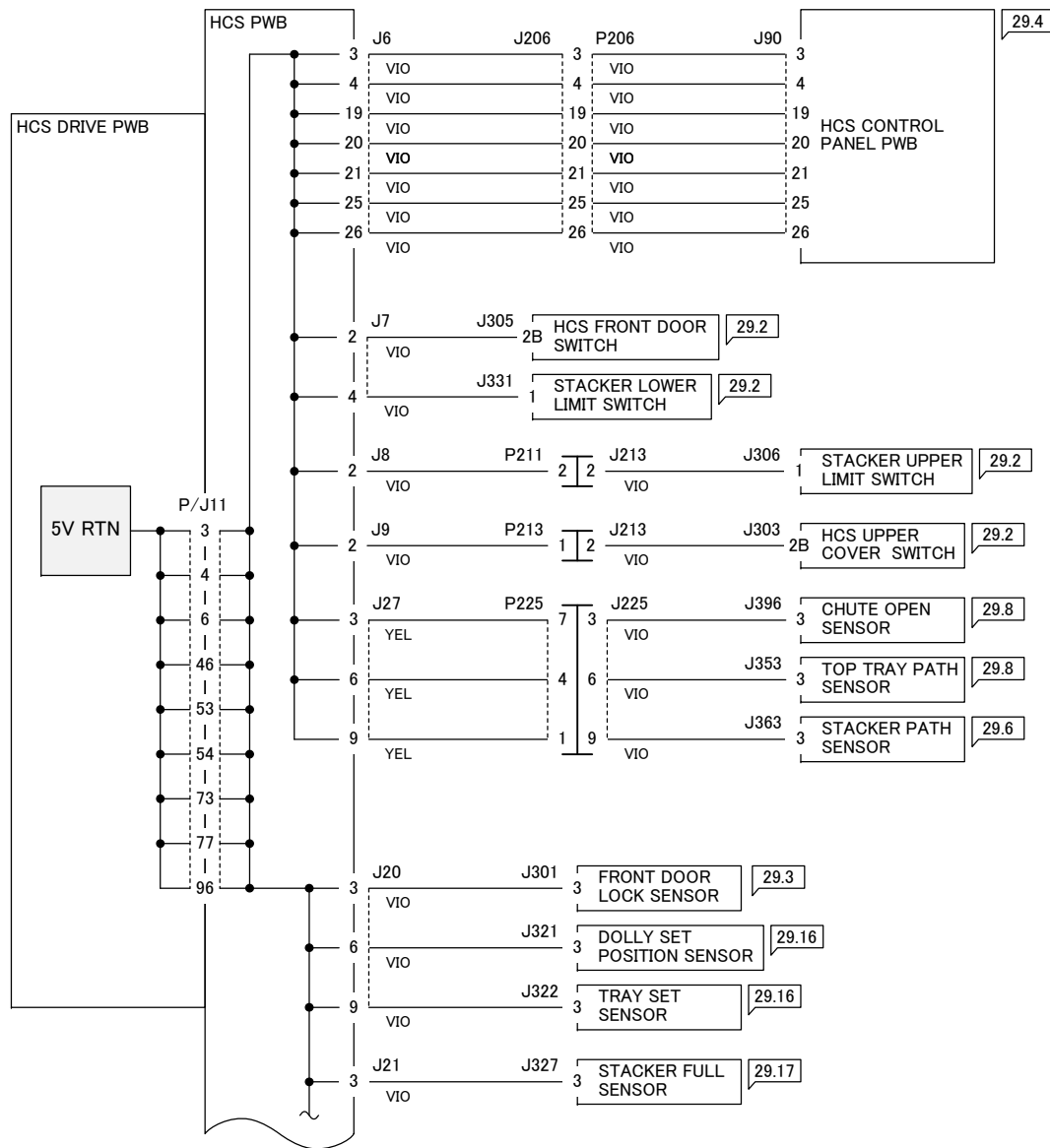
(SEE HCS +5VDC-3)

7.2.4.6 +5VDC-3

(FROM HCS +5VDC-2)



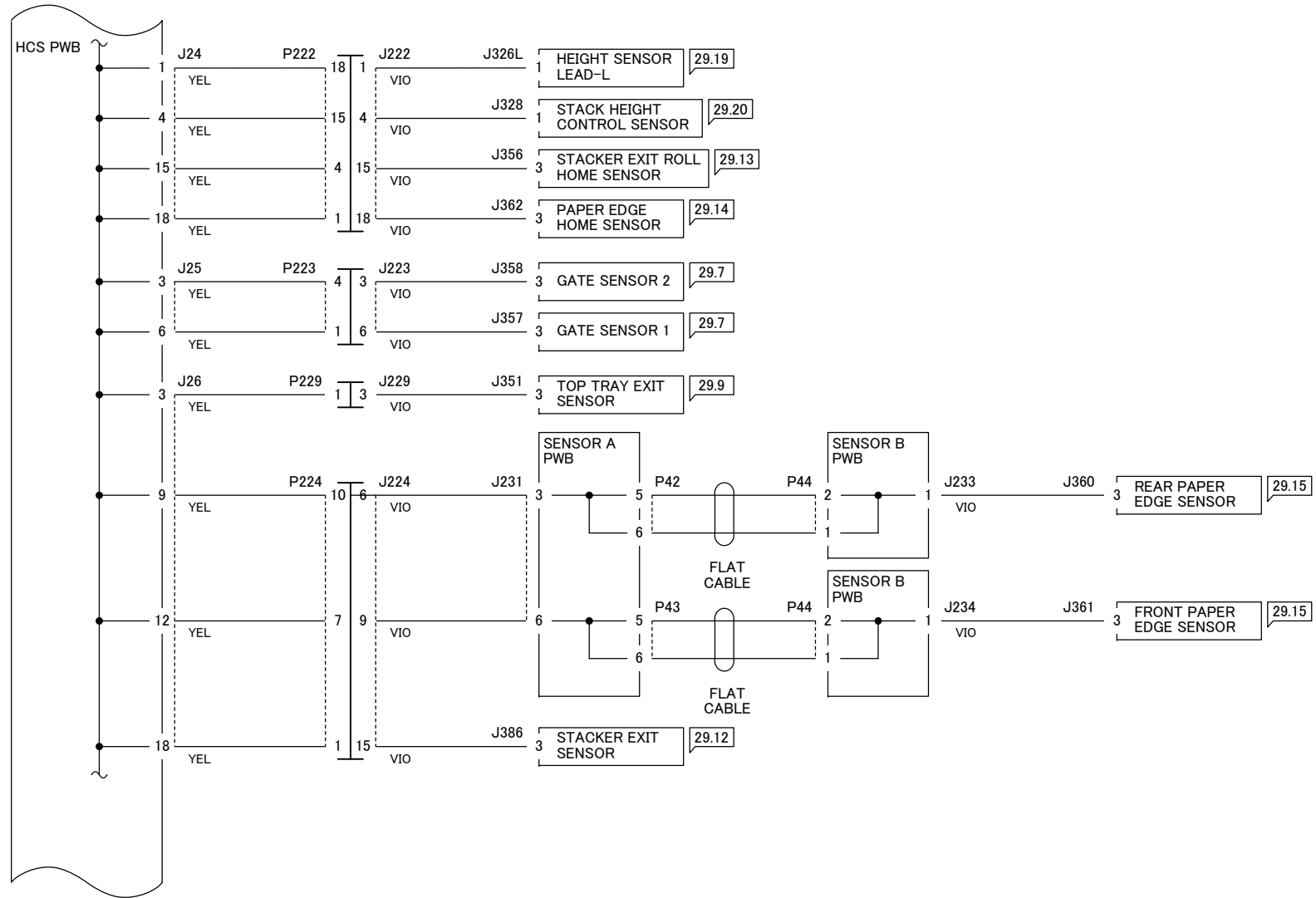
7.2.4.7 DC COM (5V RTN)-1



(SEE HCS DC COM(5V RTN)-2)

7.2.4.8 DC COM (5V RTN)-2

(FROM HCS DC COM(5V RTN)-1)

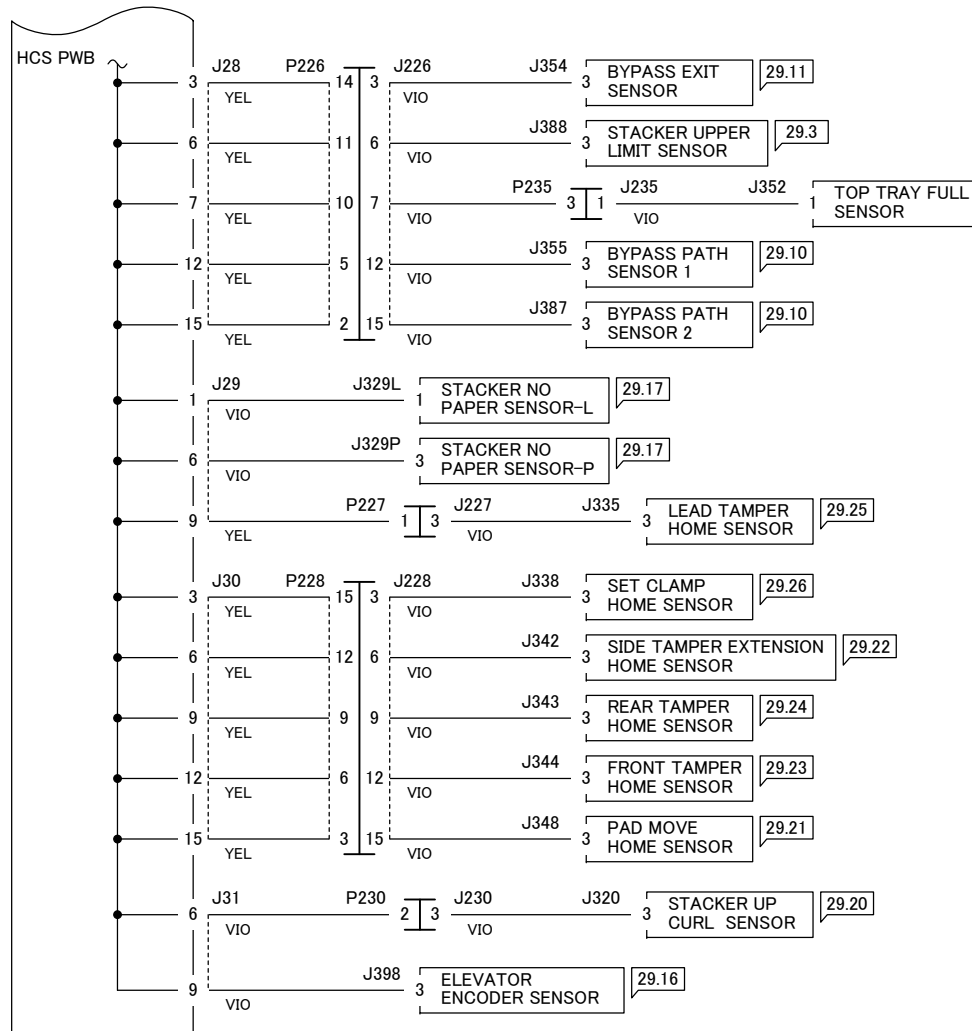


(SEE HCS DC COM(5V RTN)-3)

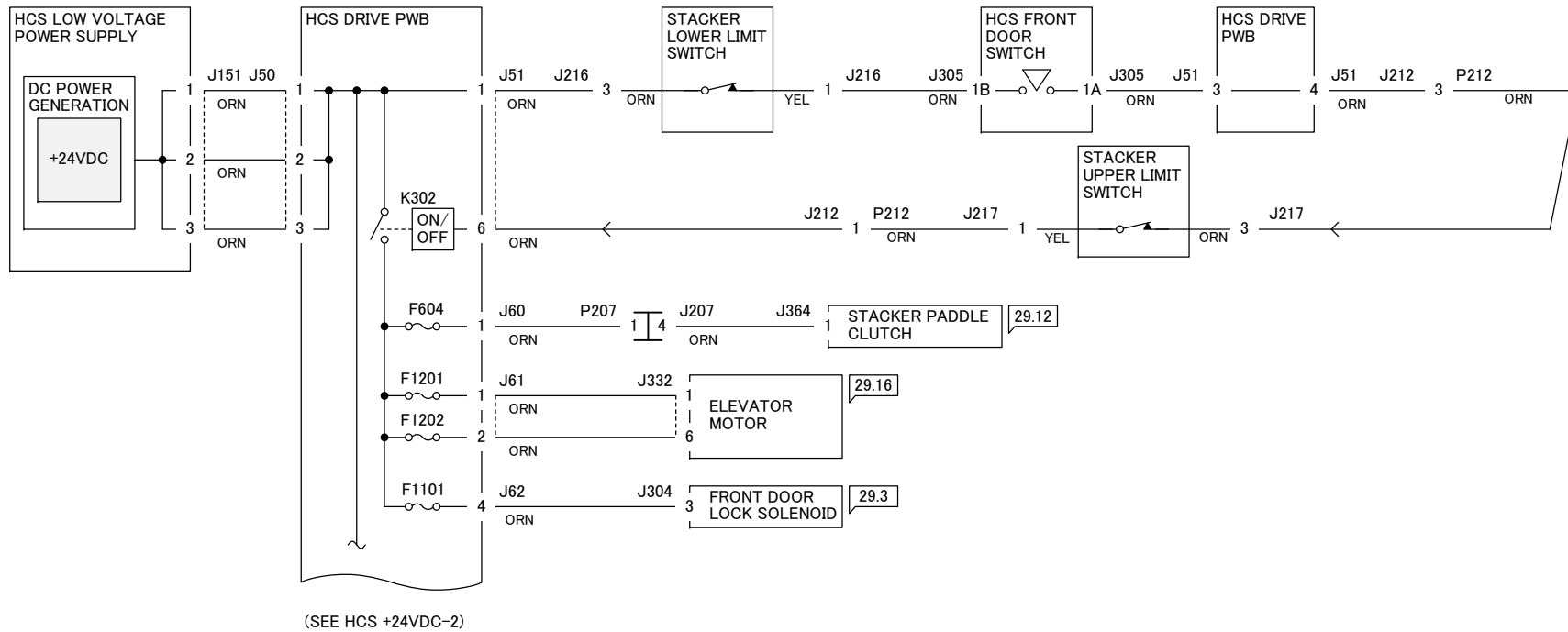
j0pr720408

7.2.4.9 DC COM (5V RTN)-3

(FROM HCS DC COM(5V RTN)-2)

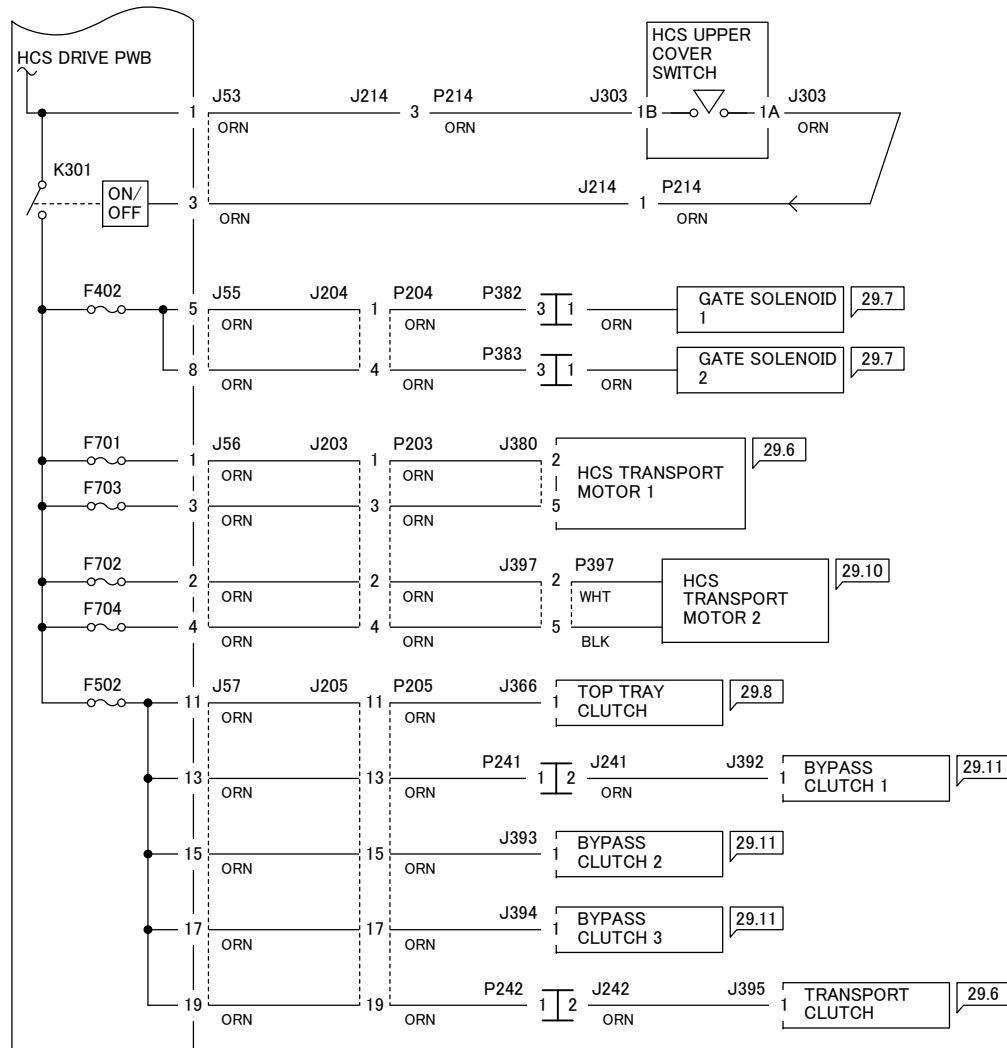


7.2.4.10 +24VDC-1

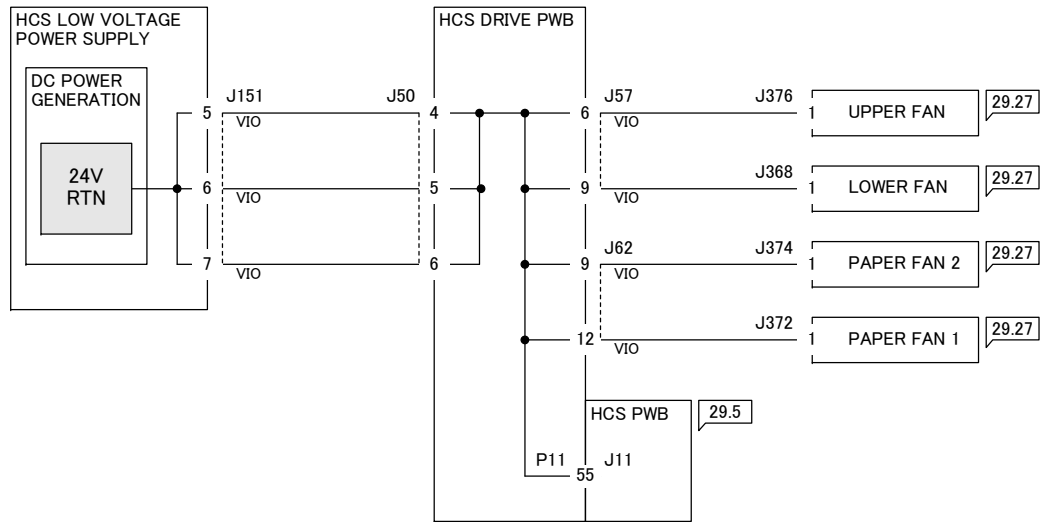


7.2.4.11 +24VDC-2

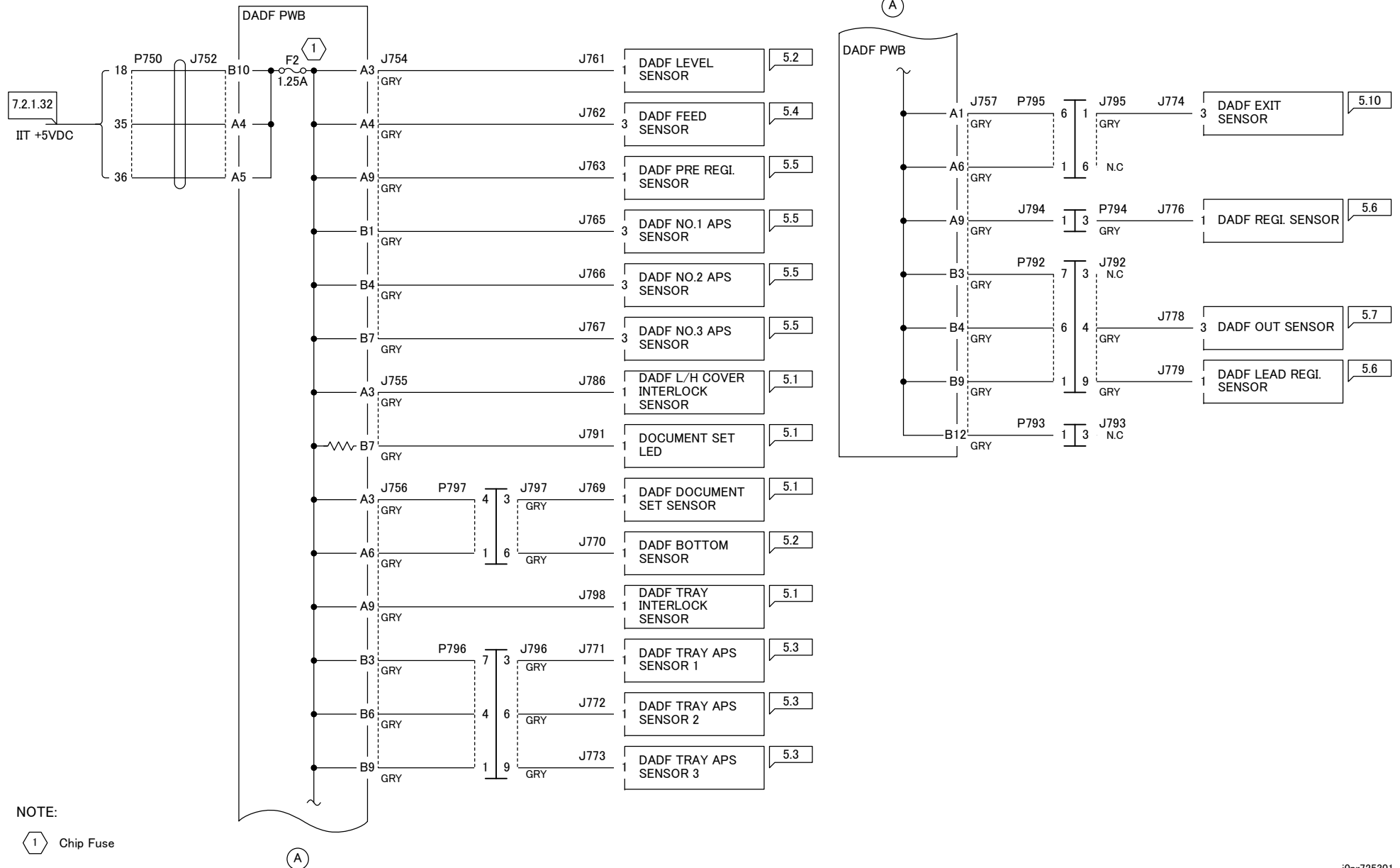
(FROM HCS +24VDC-1)



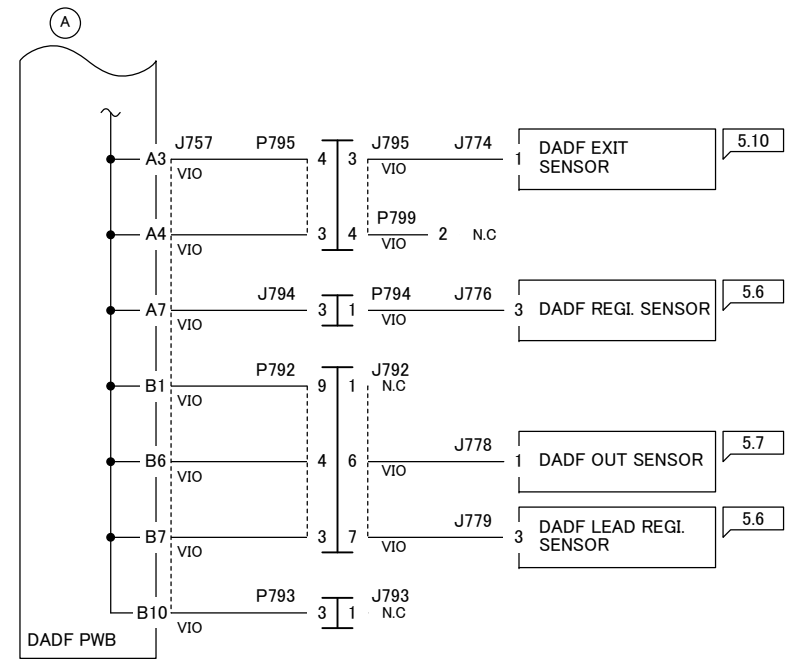
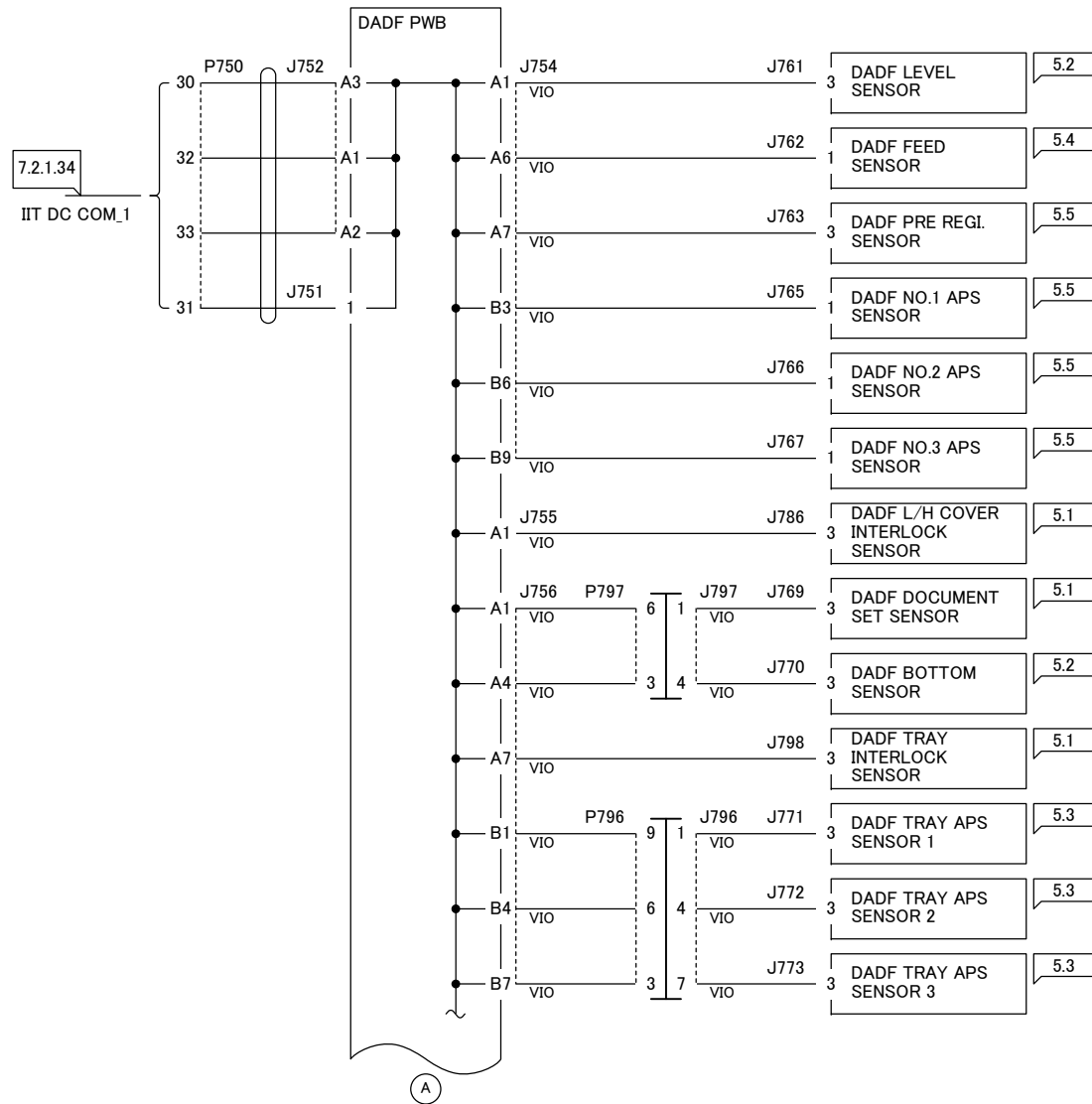
7.2.4.12 DC COM (24V RTN)



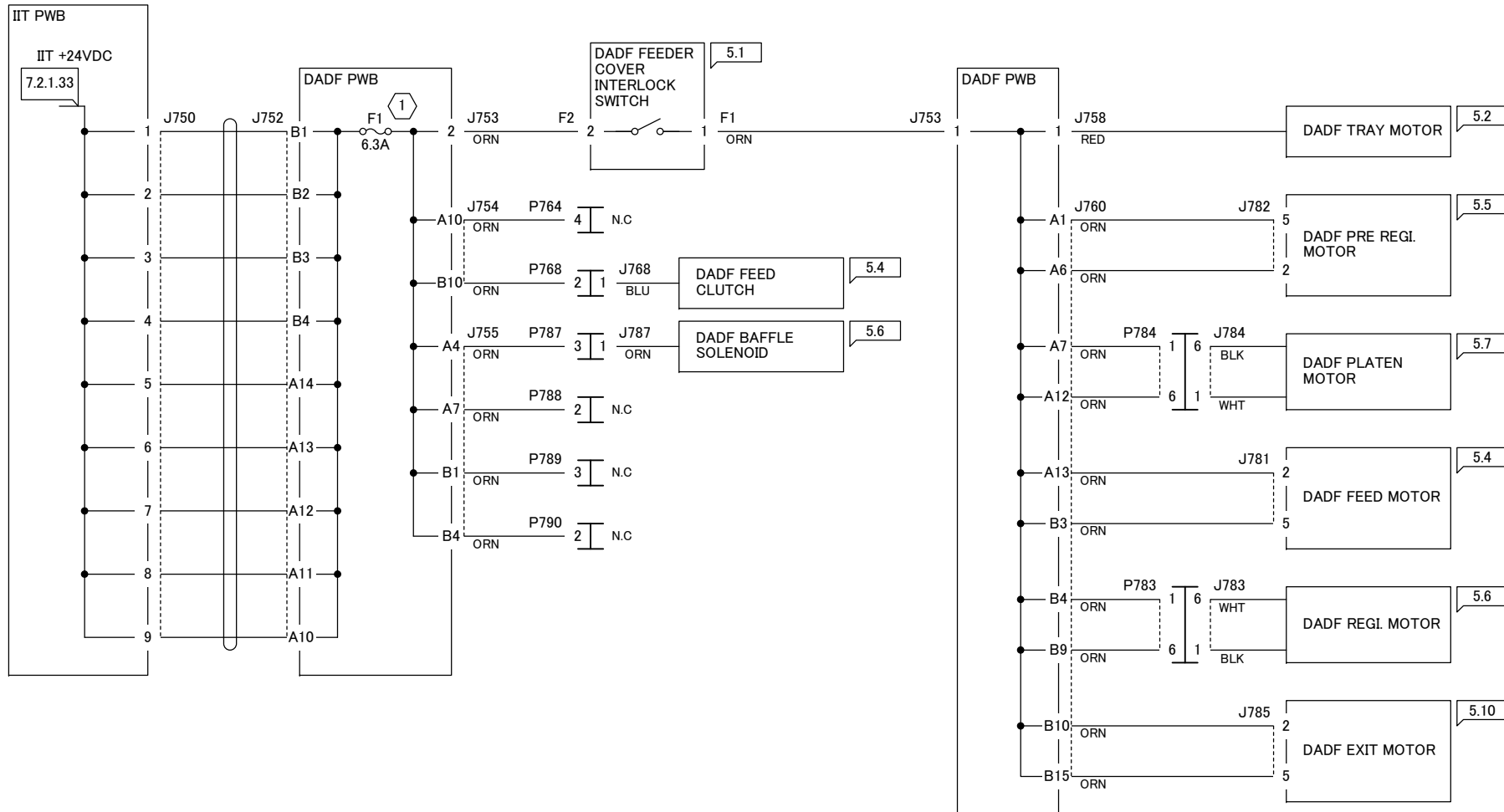
7.2.53.1 DADF 250 +5VDC



7.2.53.2 DADF 250 5V RTN



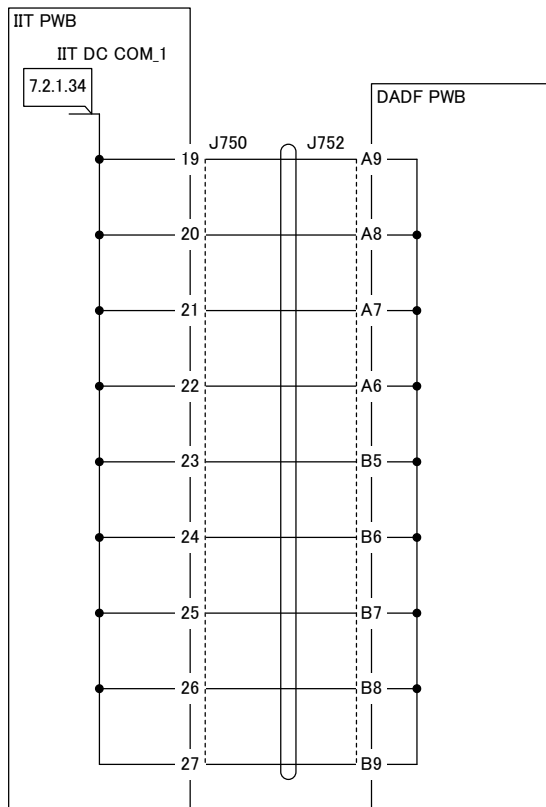
7.2.53.3 DADF 250 +24VDC



NOTE:

1 Chip Fuse

7.2.53.4 DADF 250 24V RTN



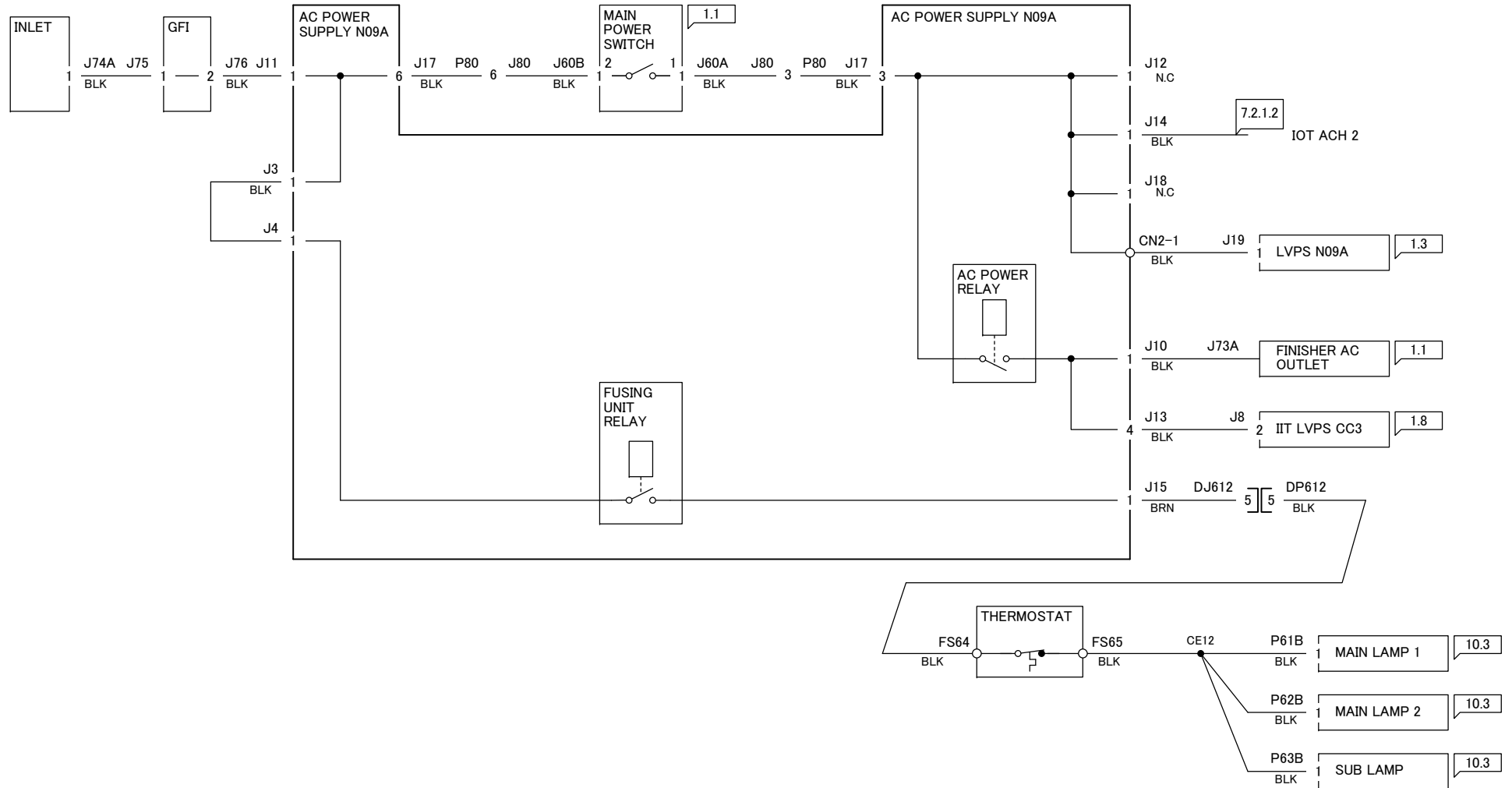
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7.2 Wire Network

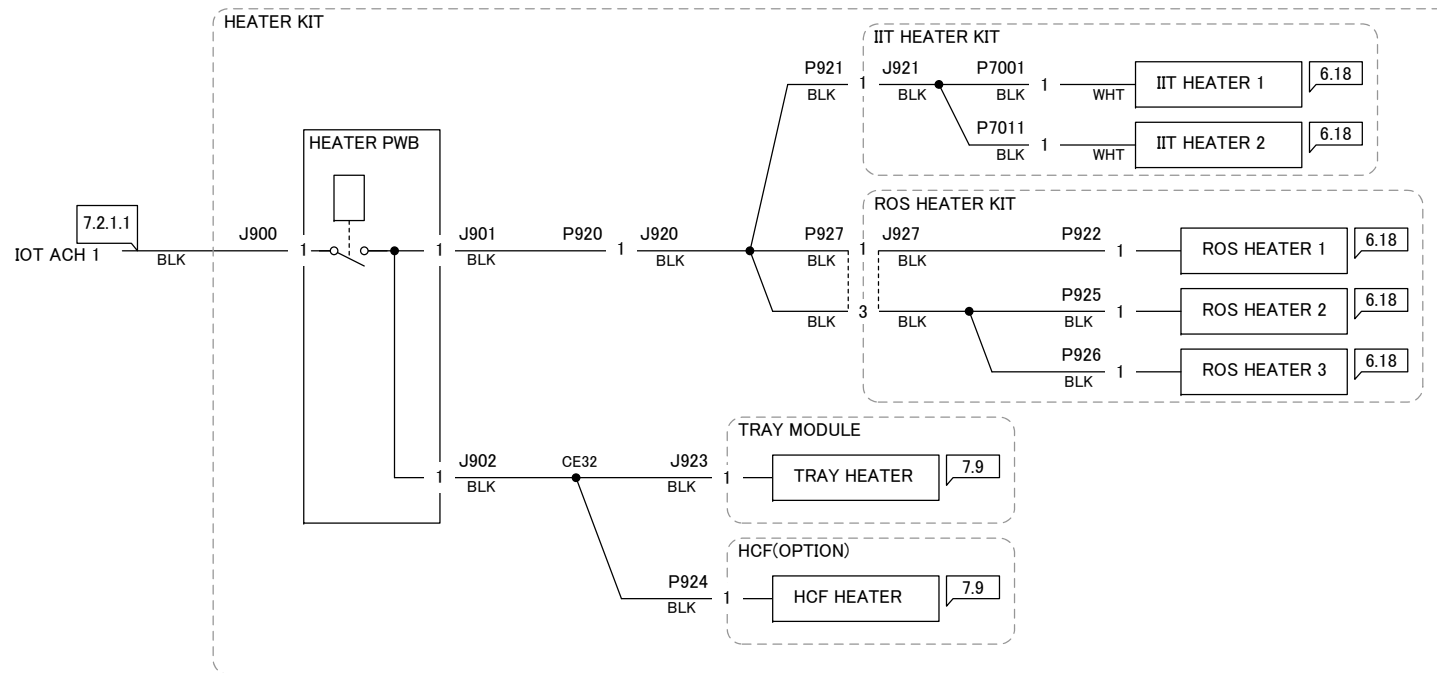
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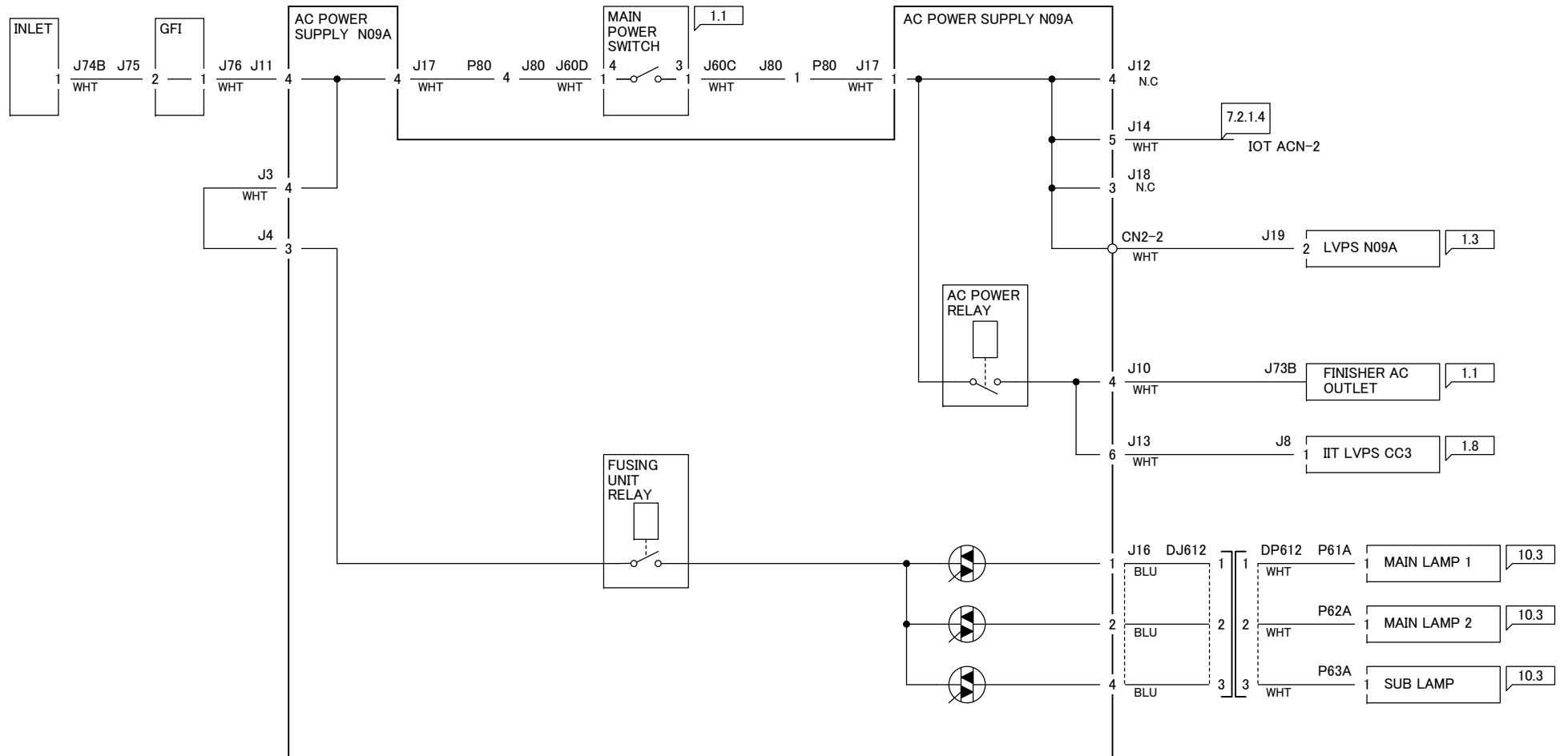
7.2.1.1 IOT ACH 1



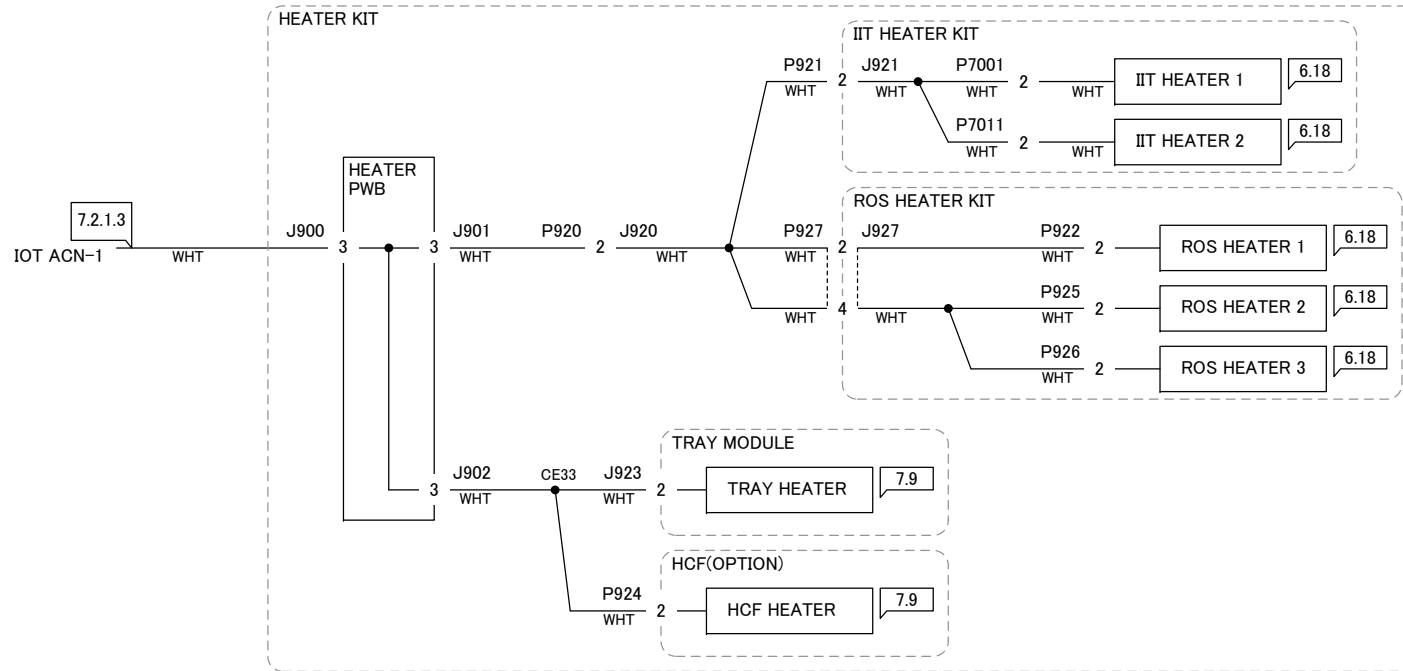
7.2.1.2 IOT ACH 2



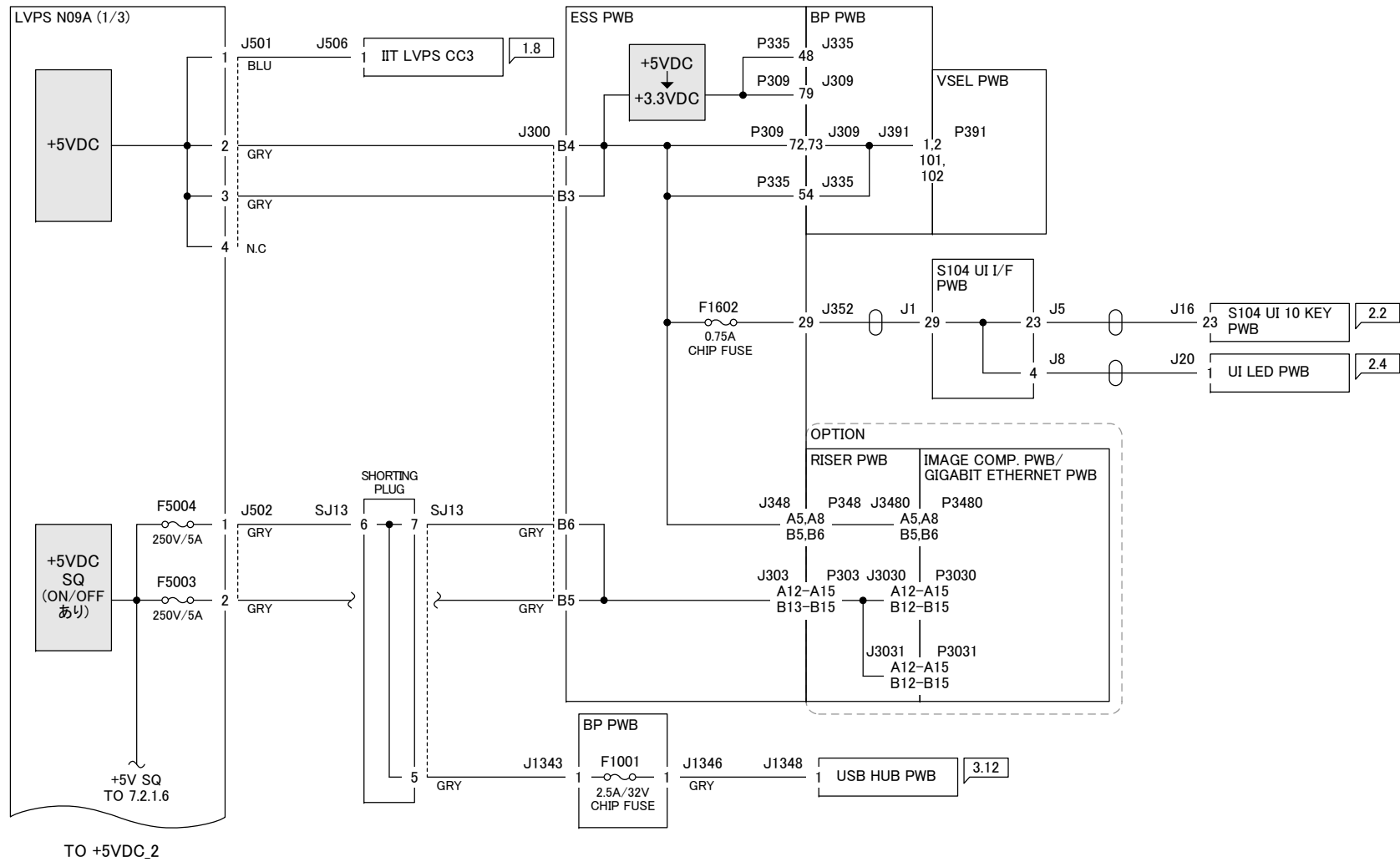
7.2.1.3 IOT ACN 1



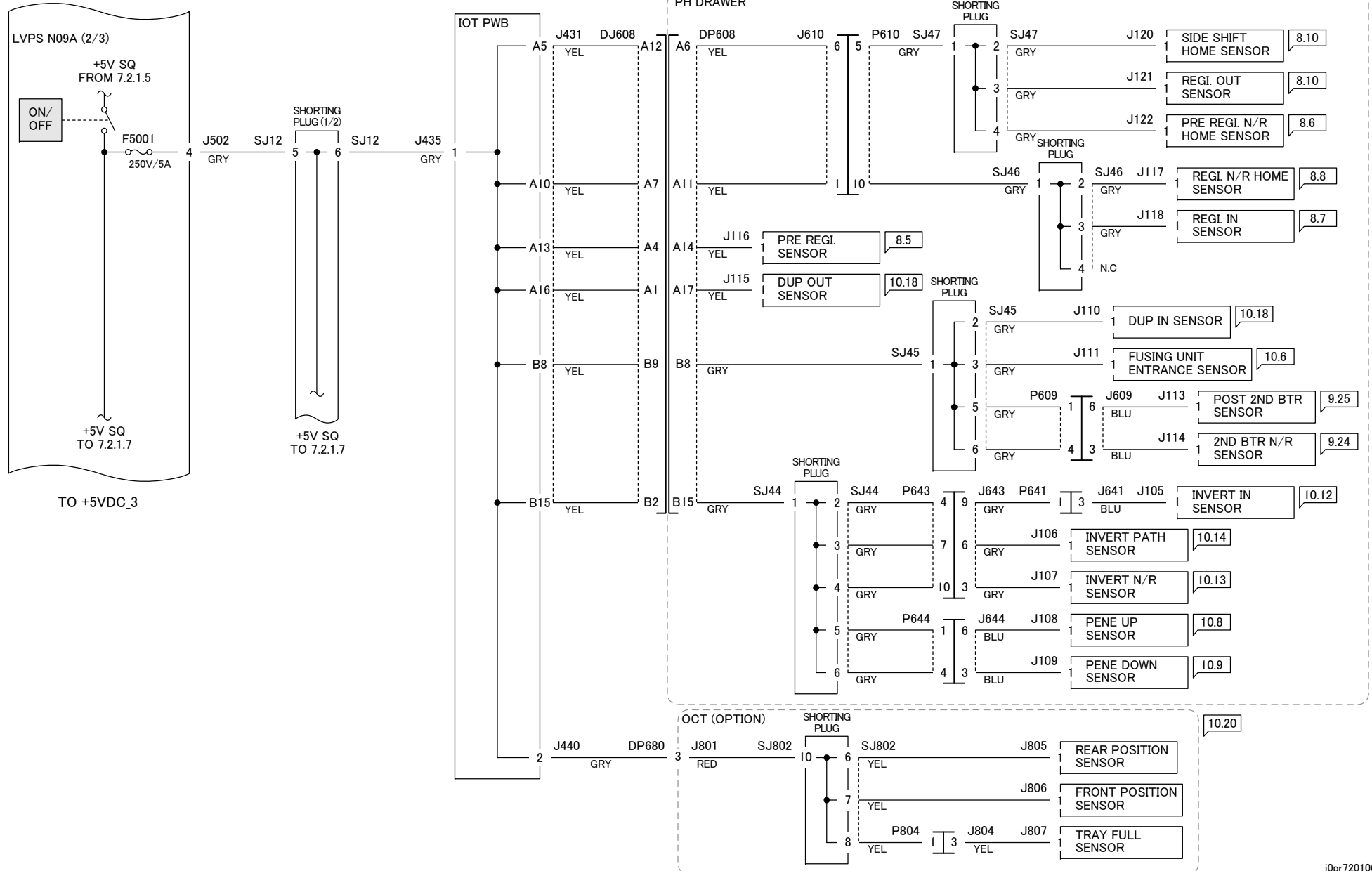
7.2.1.4 IOT ACN 2



7.2.1.5 +5VDC_1/ESS +3.3VDC

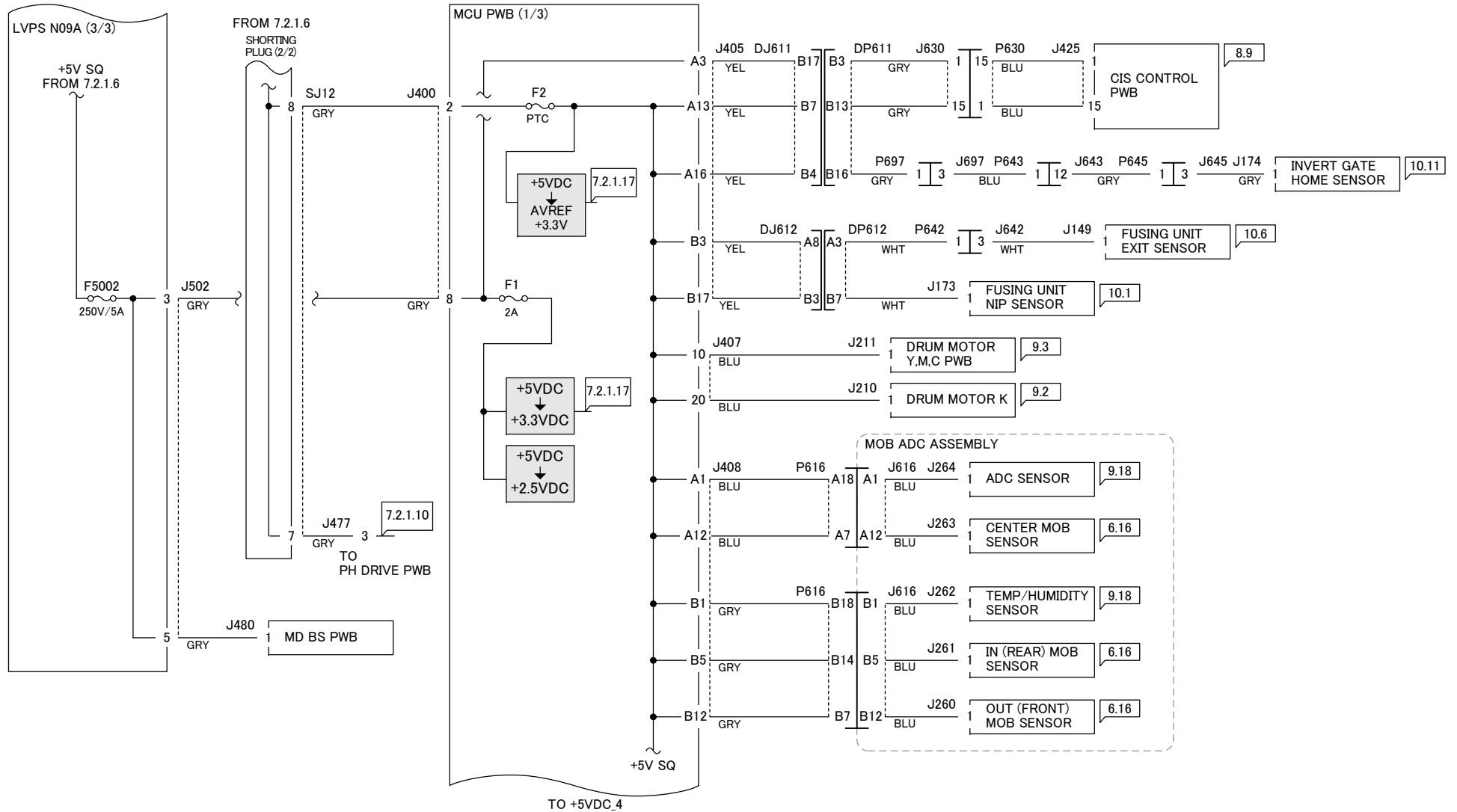


7.2.1.6 +5VDC_2



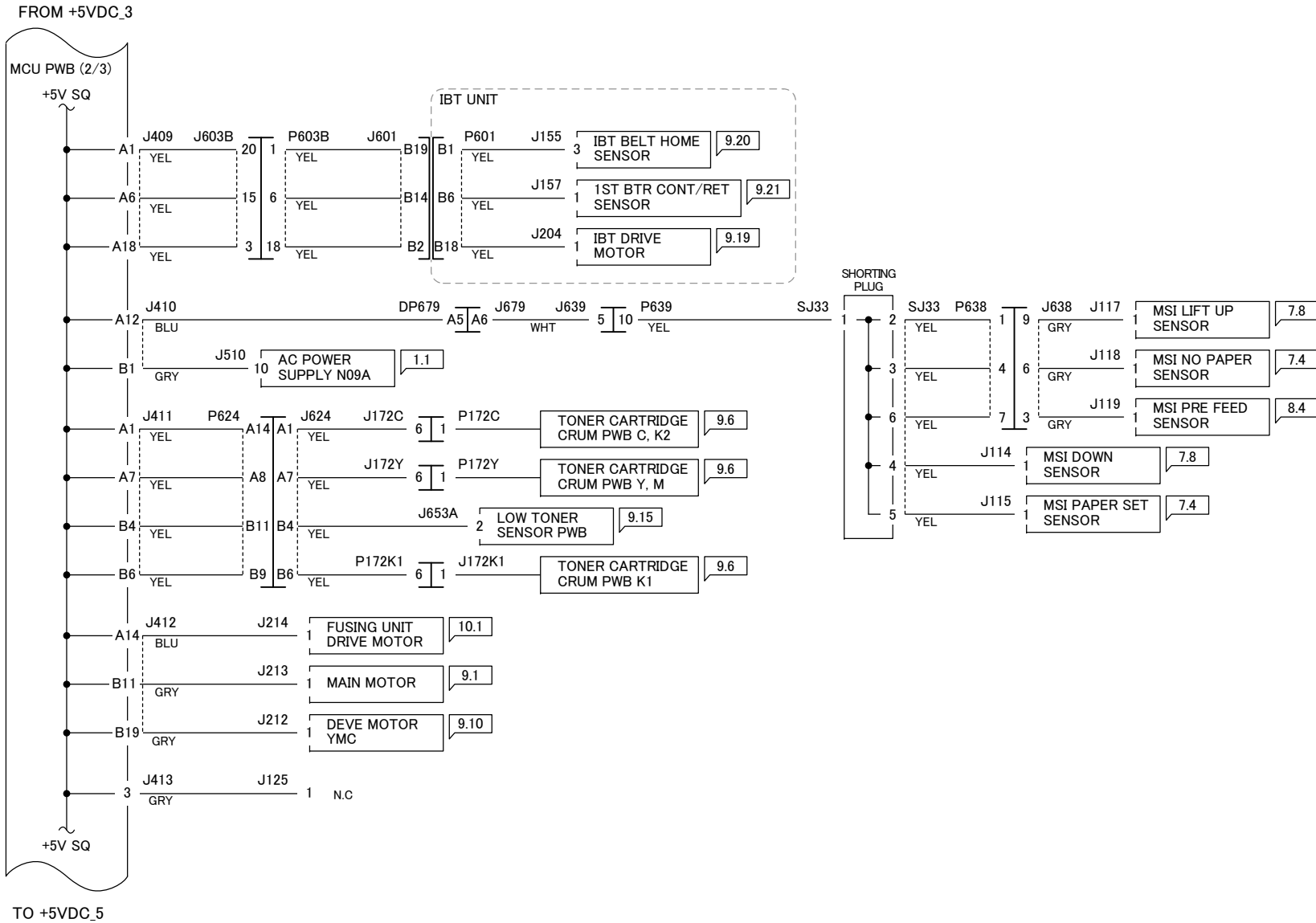
7.2.1.7 +5VDC_3

FROM 7.2.1.6



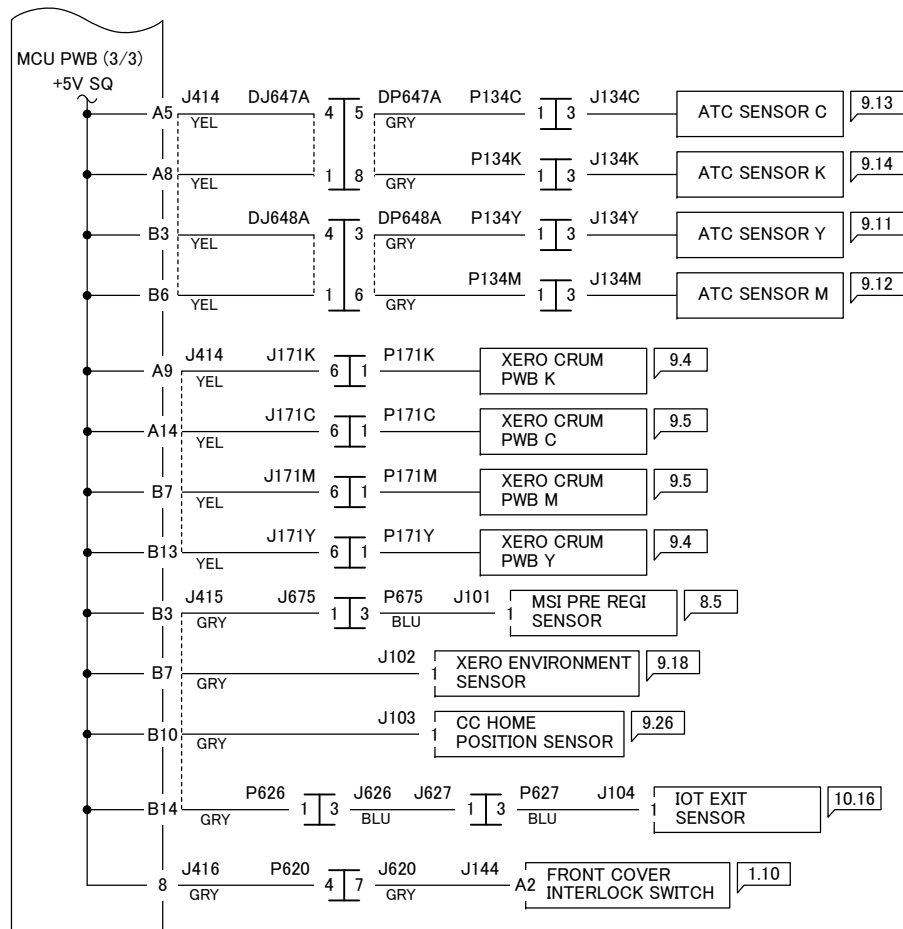
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7.2.1.8 +5VDC_4

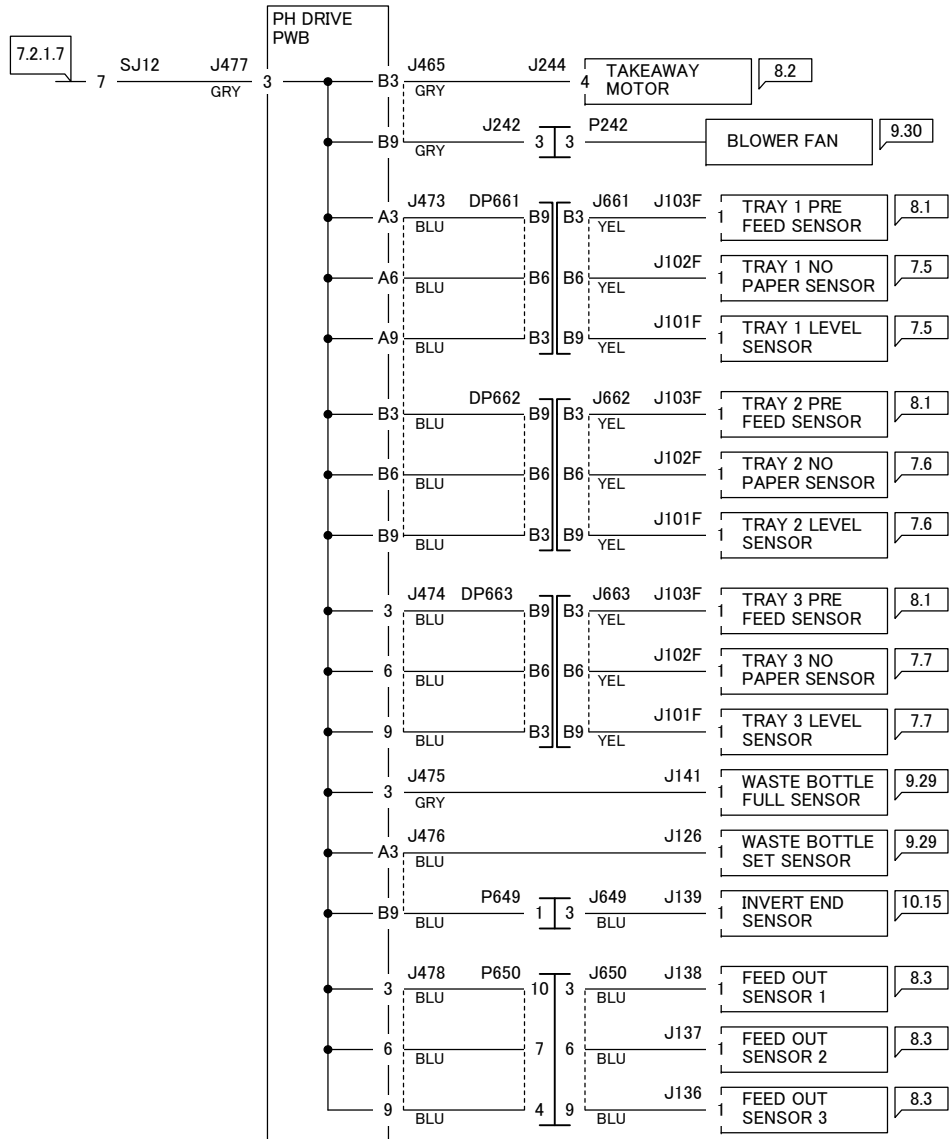


7.2.1.9 +5VDC_5

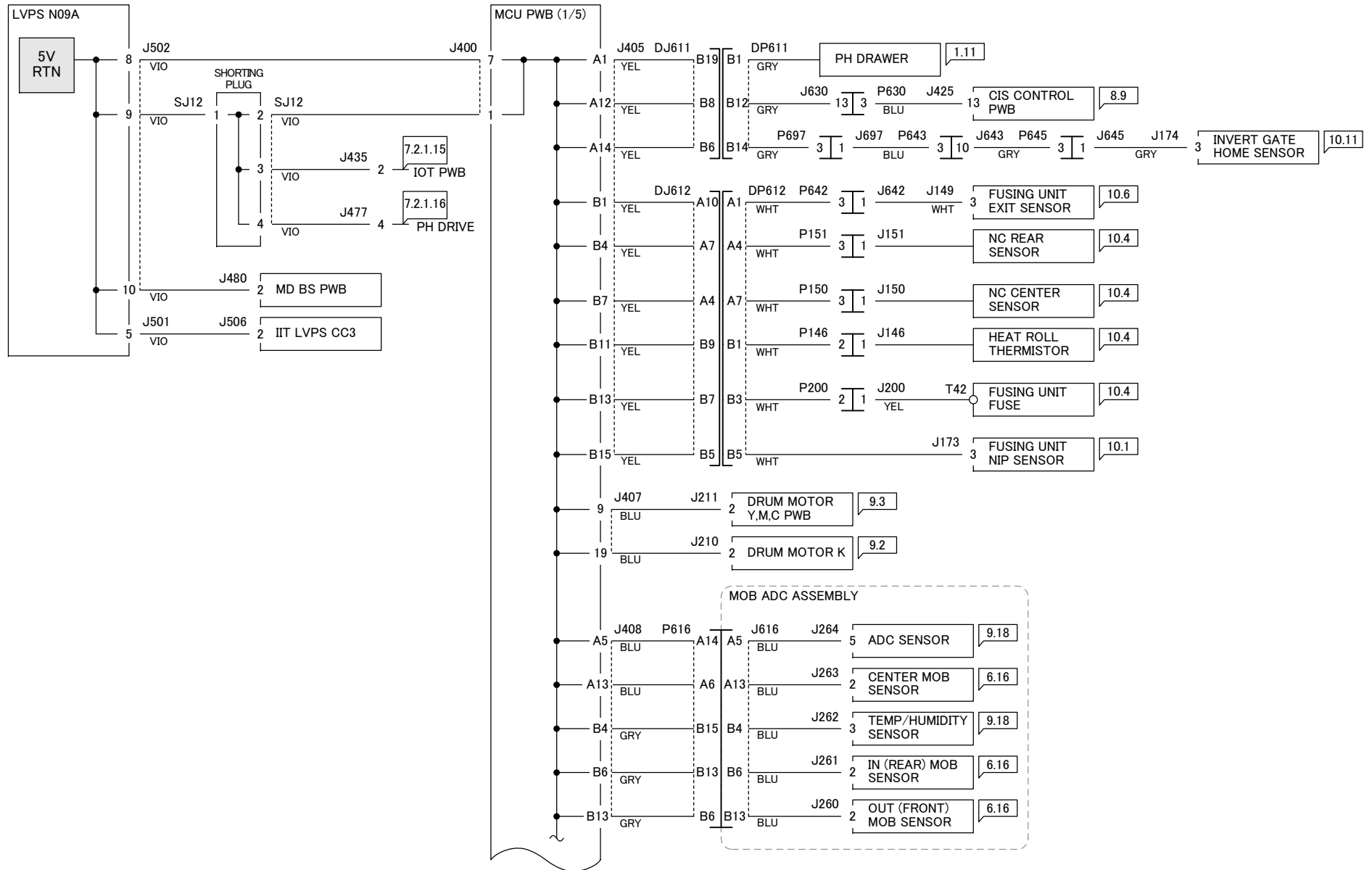
FROM +5VDC_4



7.2.1.10 +5VDC_6

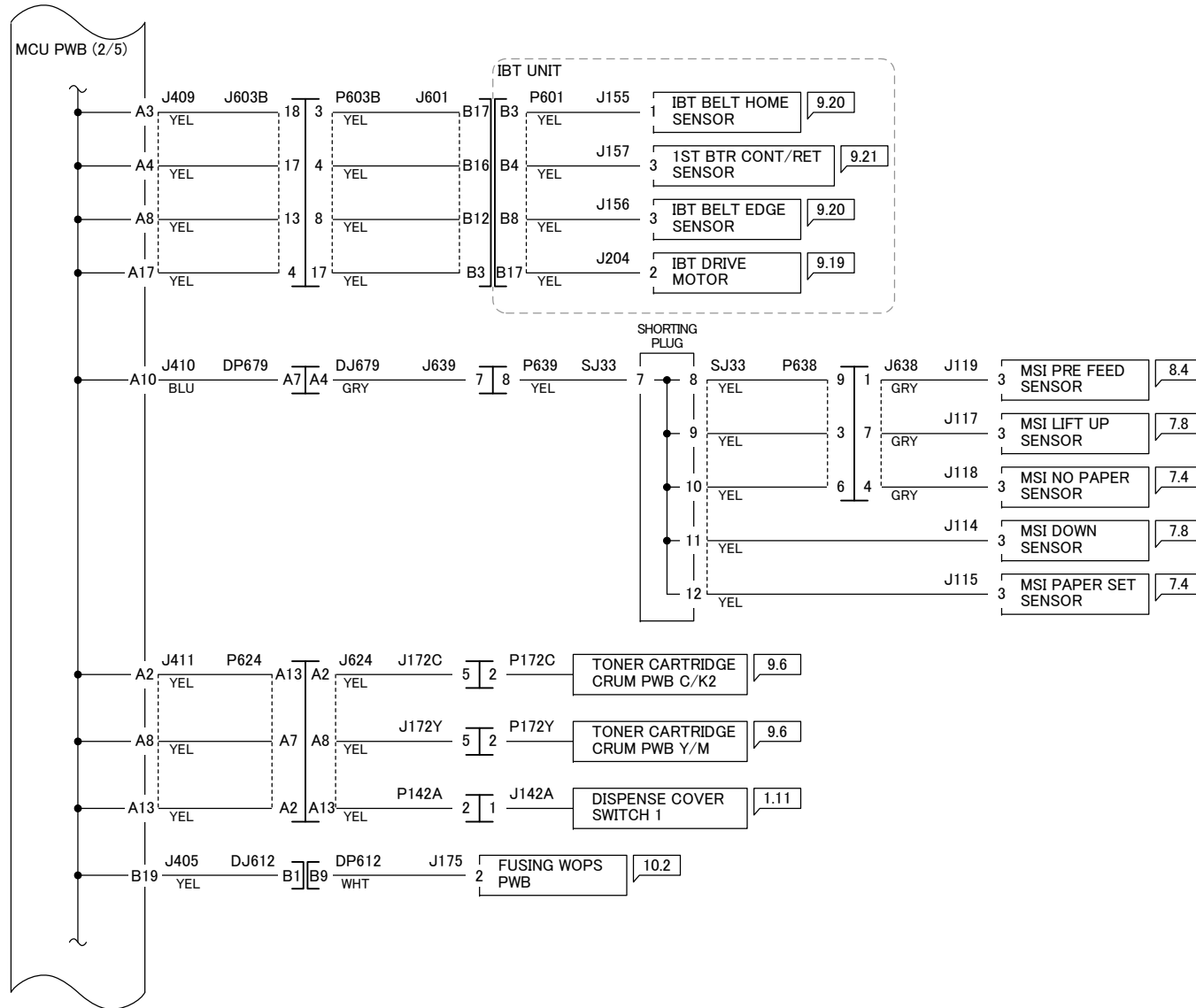


7.2.1.11 5V RTN_1

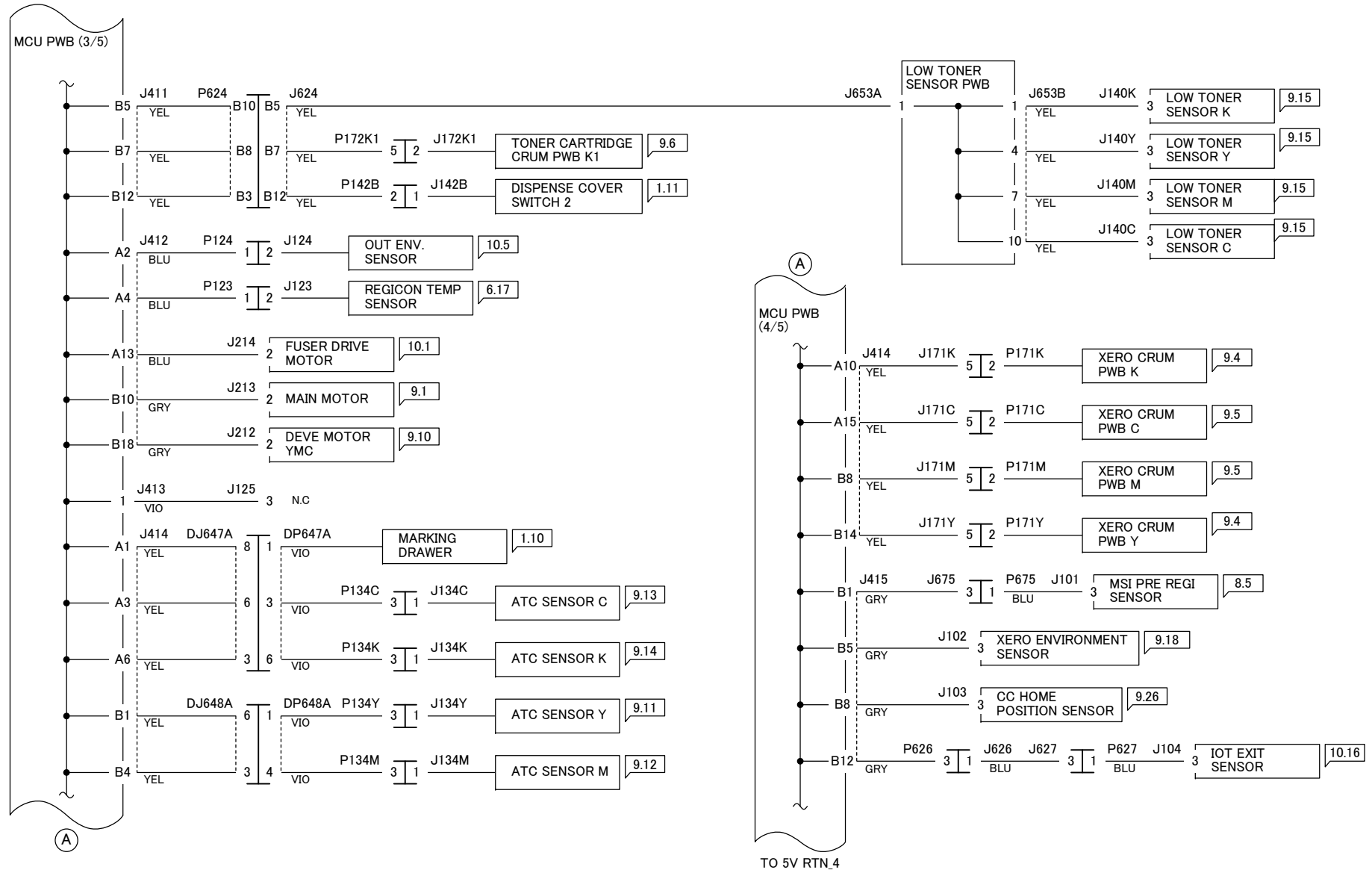


j0pr720111

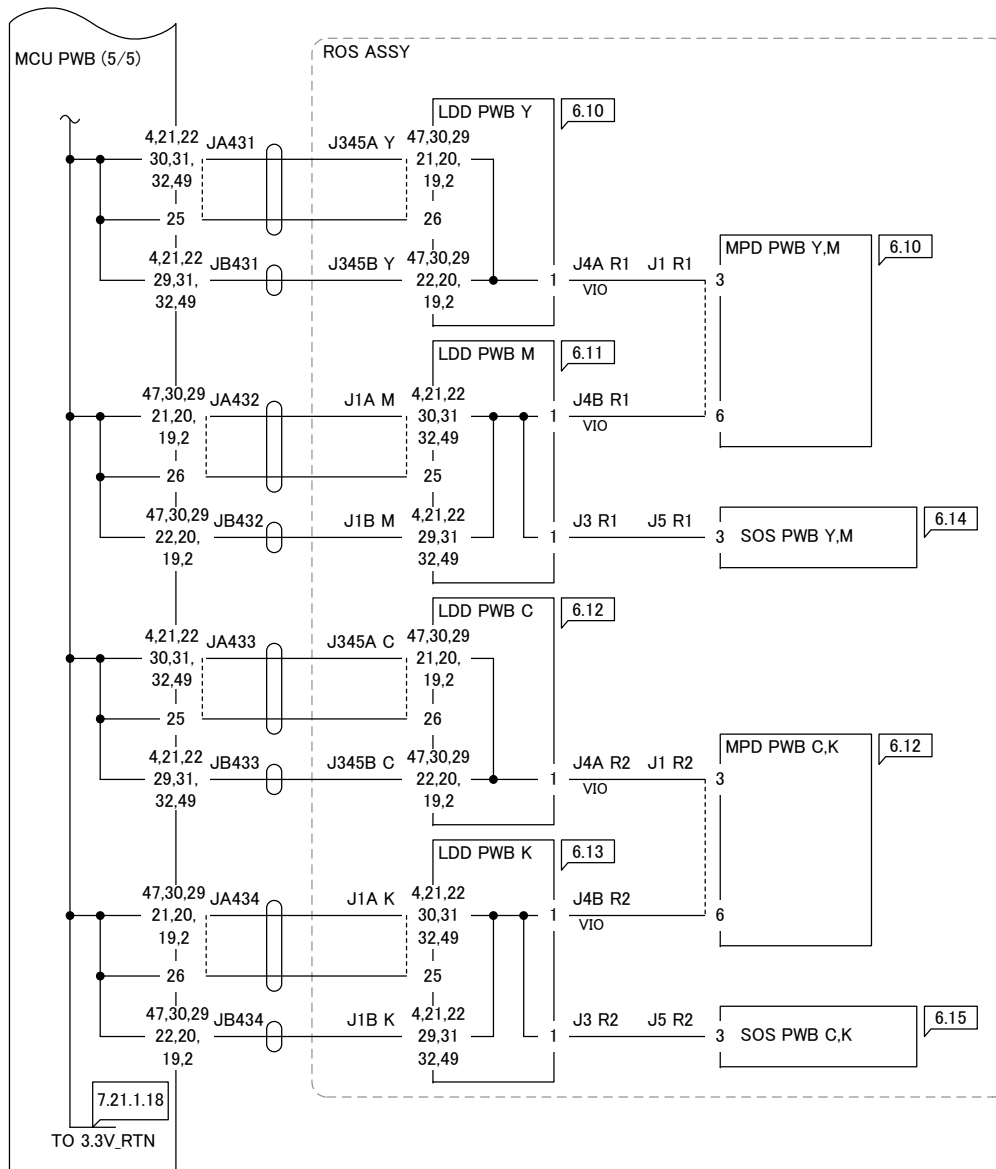
7.2.1.12 5V RTN_2



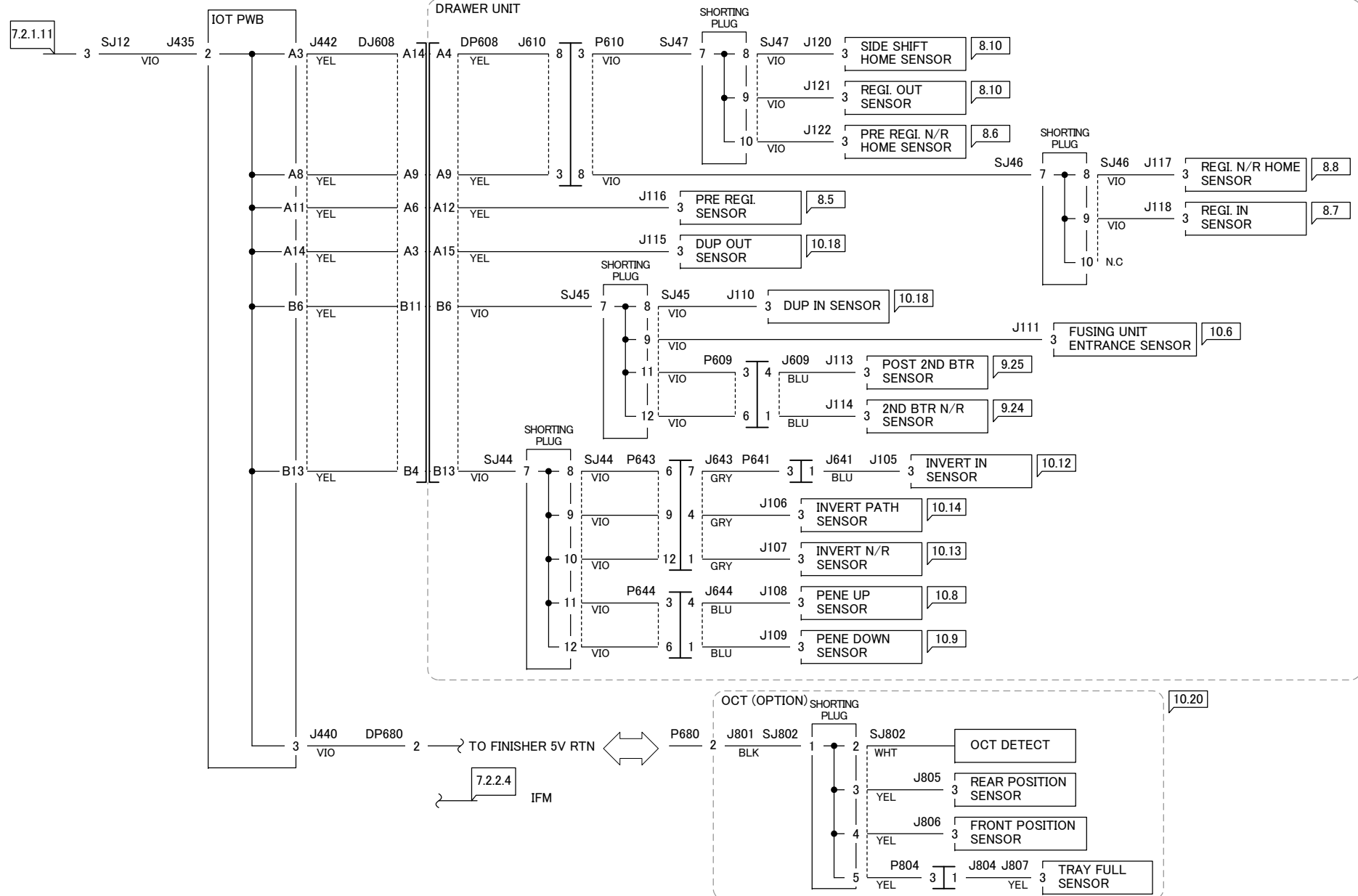
7.2.1.13 5V RTN_3



7.2.1.14 5V RTN_4

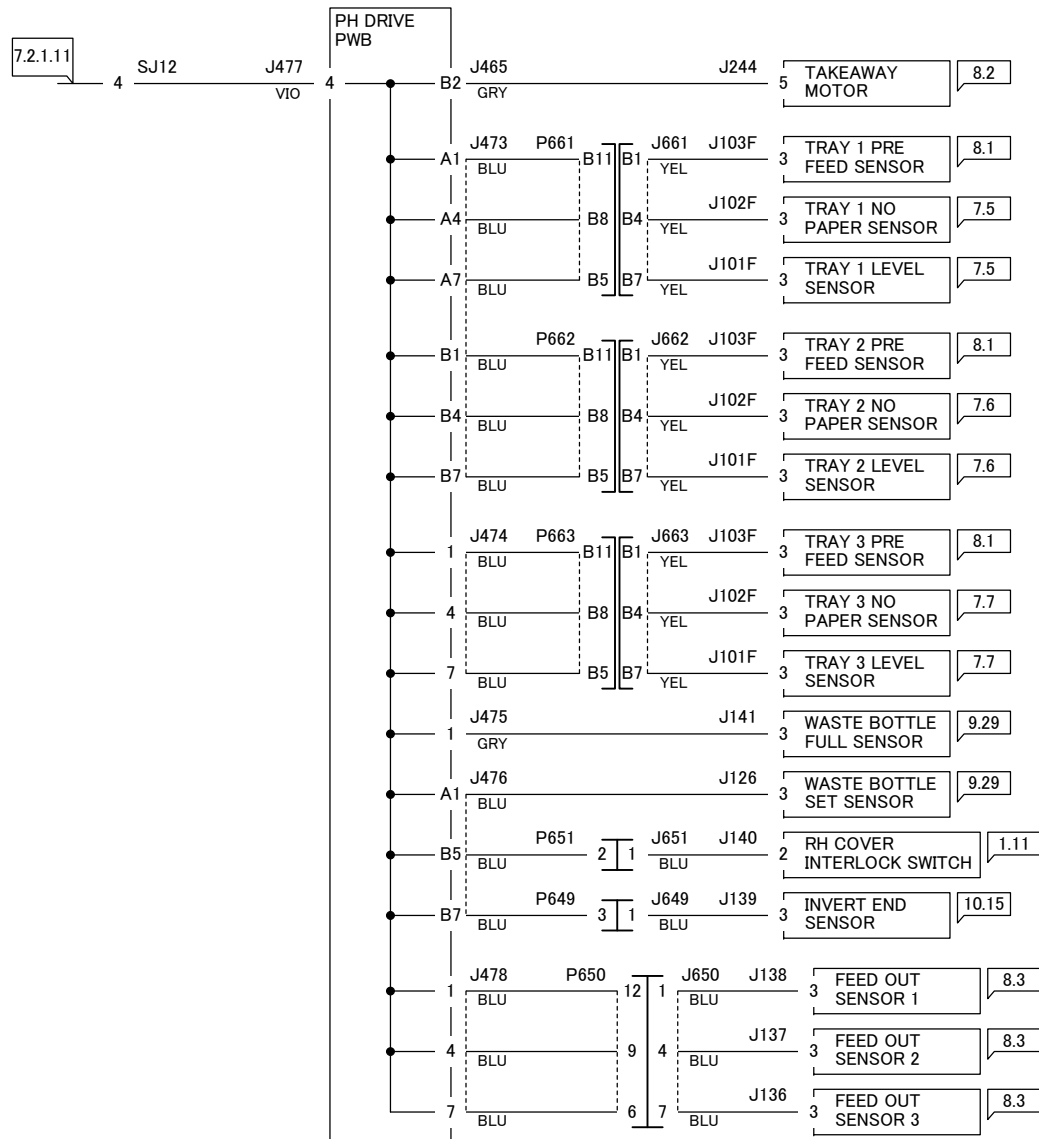


7.2.1.15 5V RTN_5

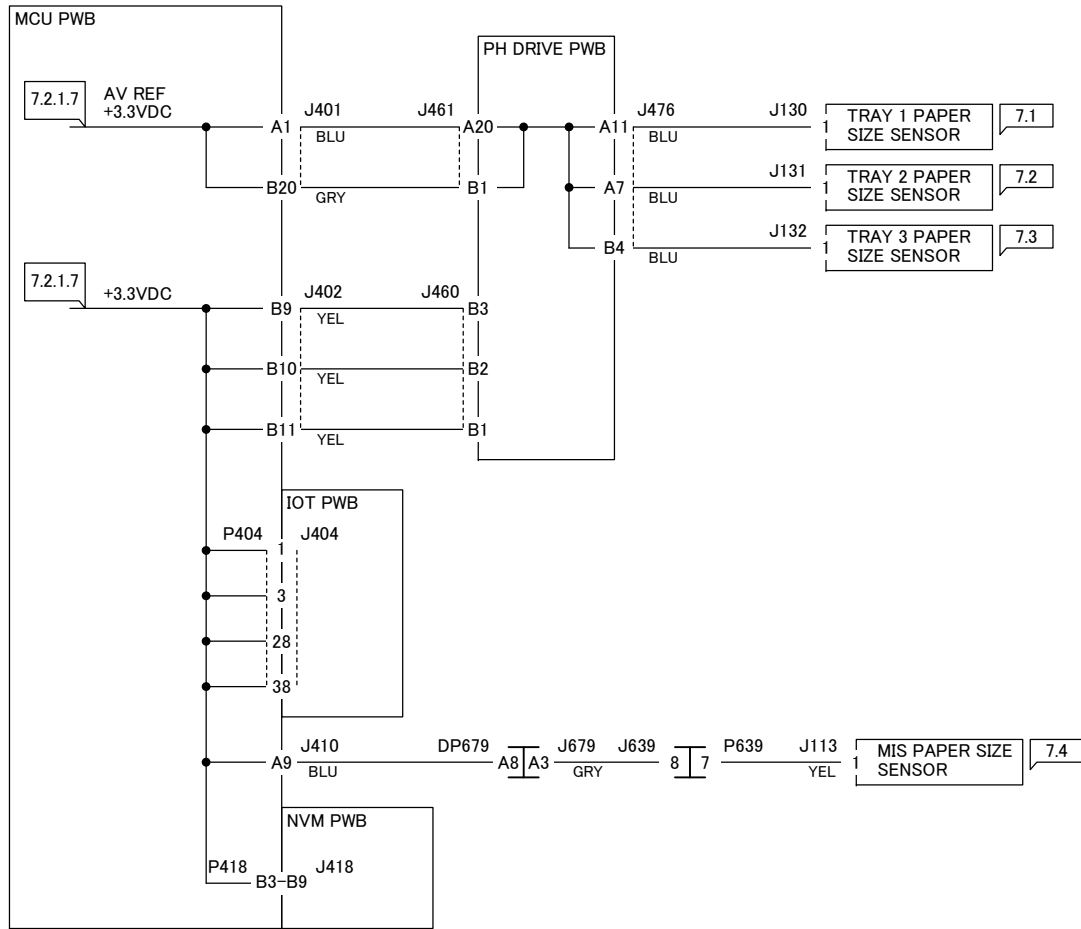


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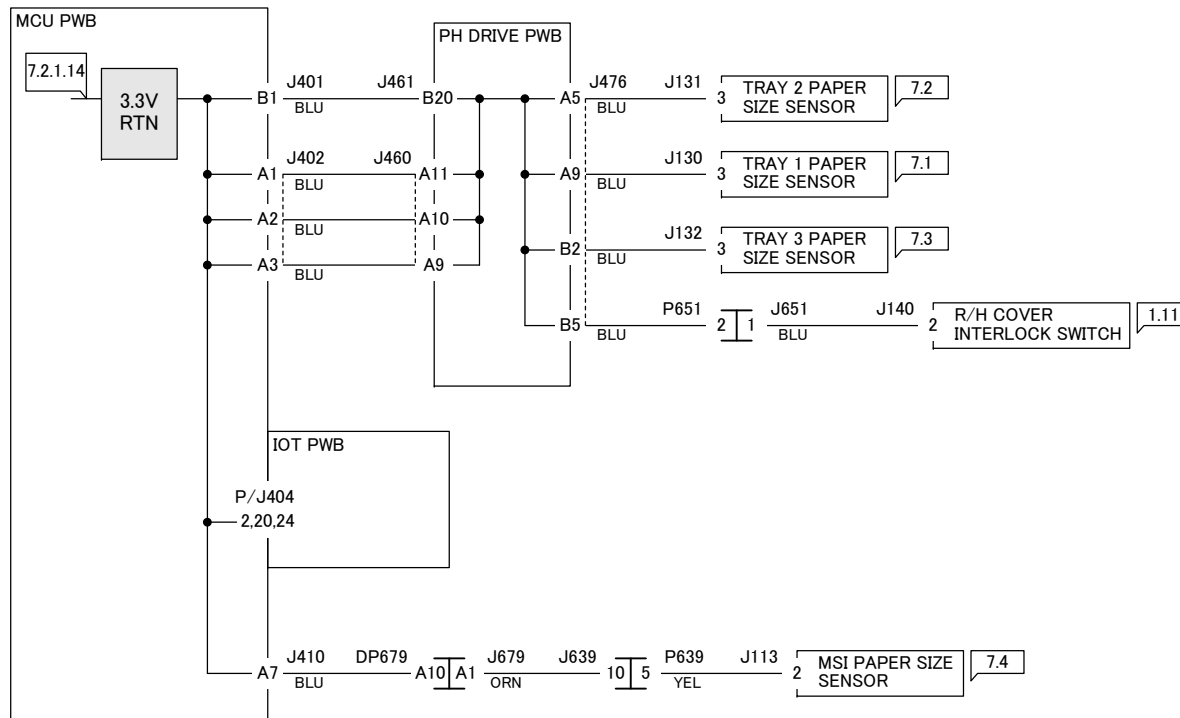
7.2.1.16 5V RTN_6



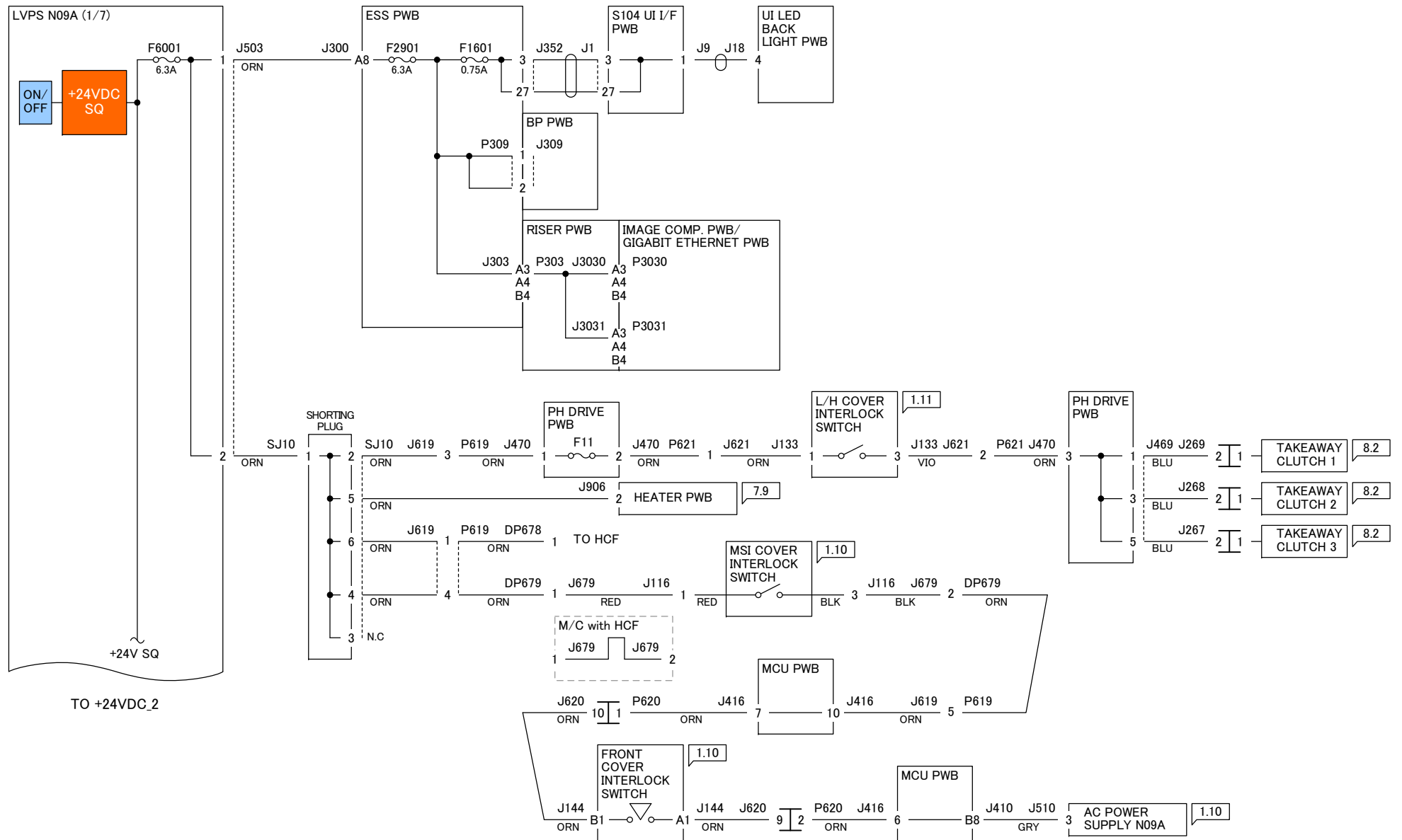
7.2.1.17 AV REF/MCU +3.3VDC



7.2.1.18 3.3V RTN

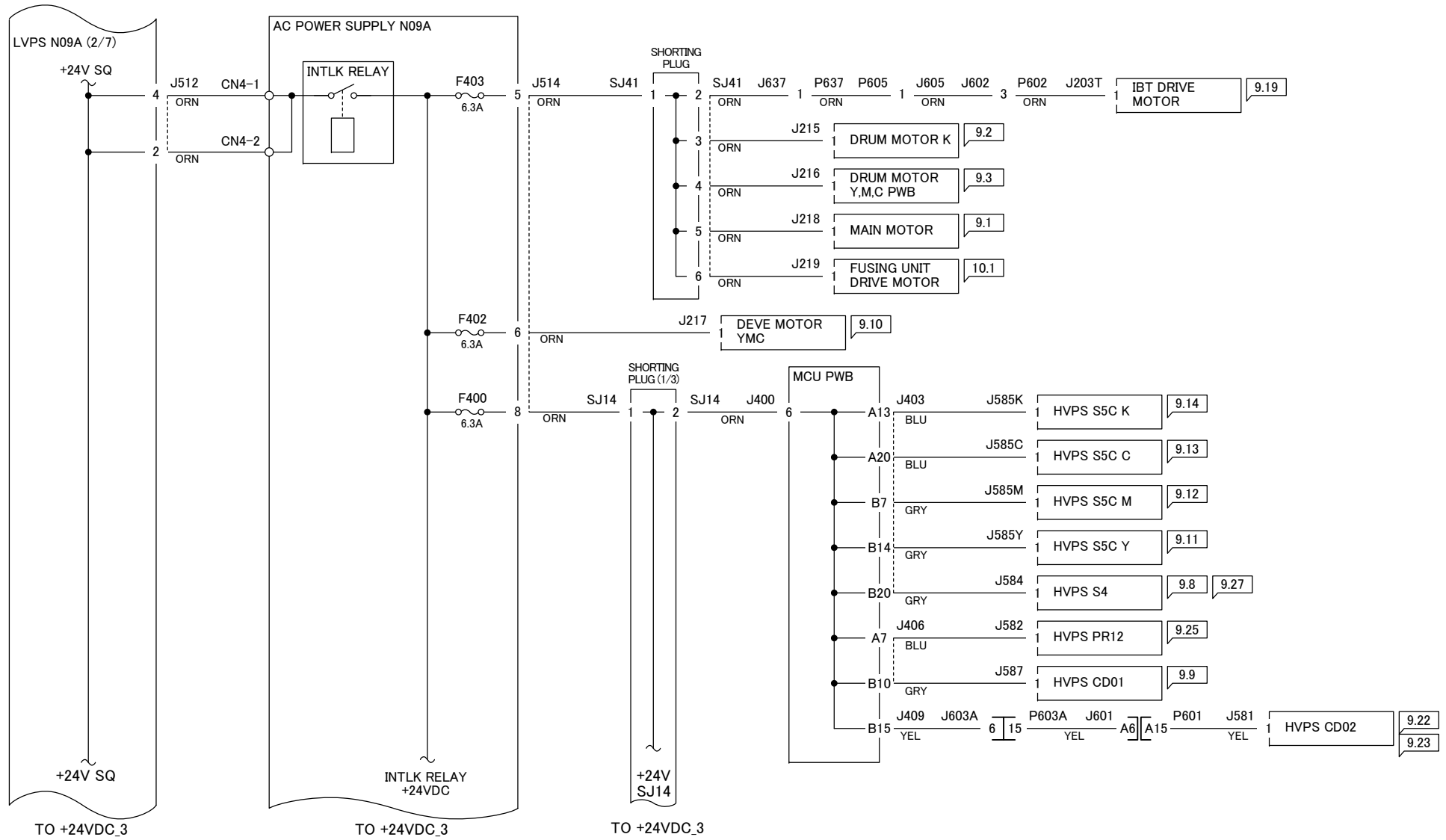


7.2.1.19 +24VDC_1

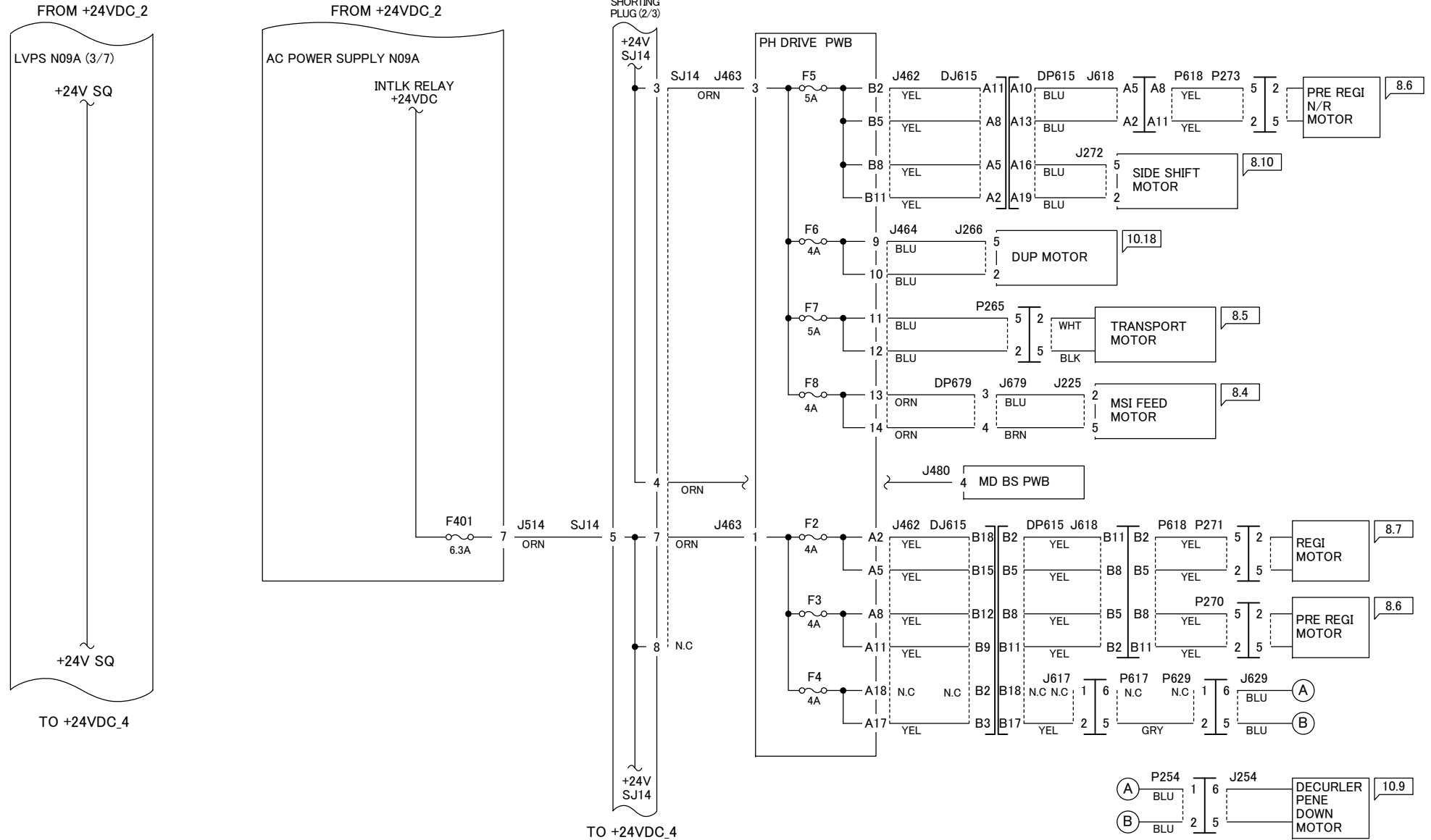


j0pr720119

7.2.1.20 +24VDC_2

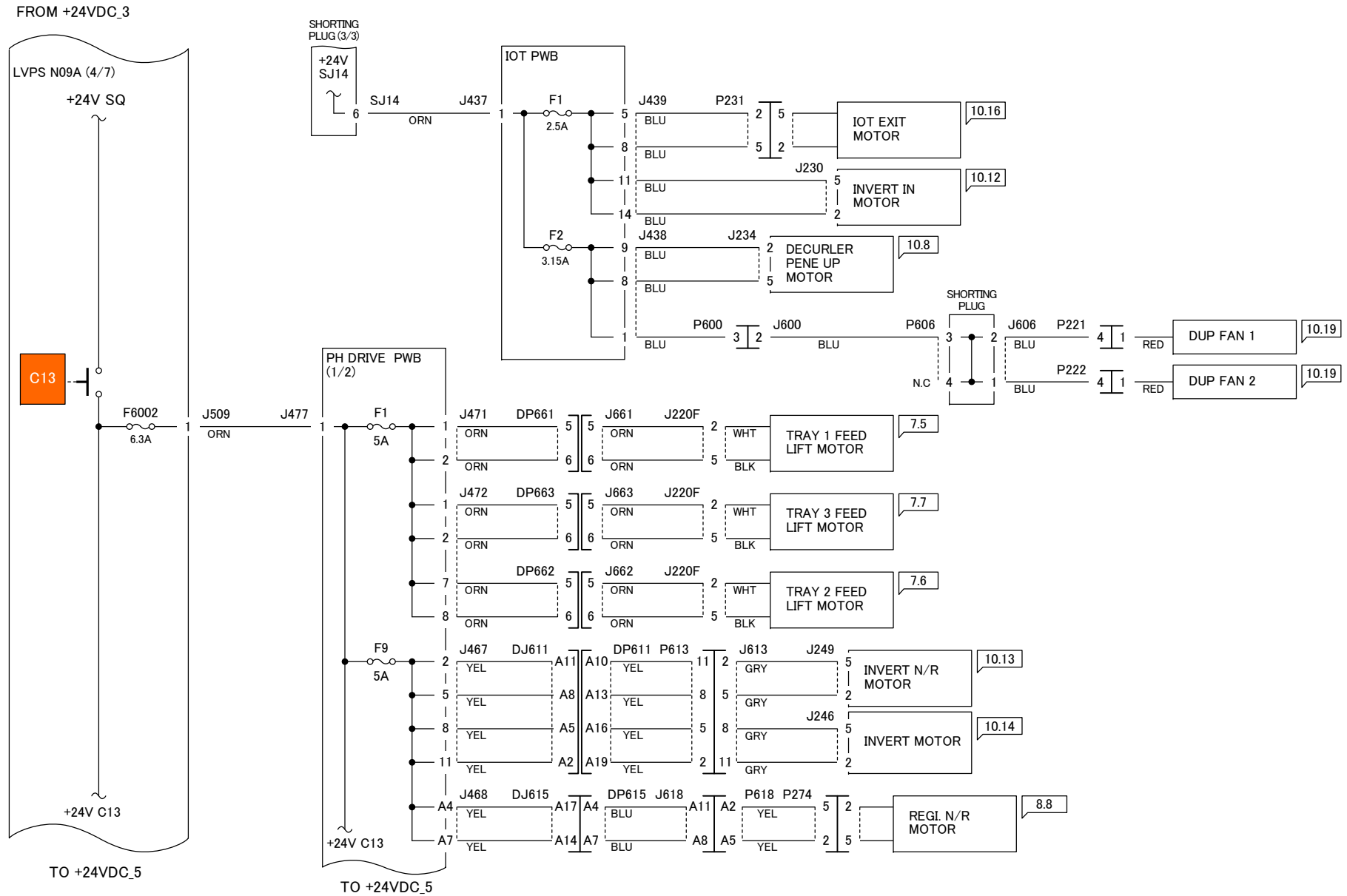


7.2.1.21 +24VDC_3

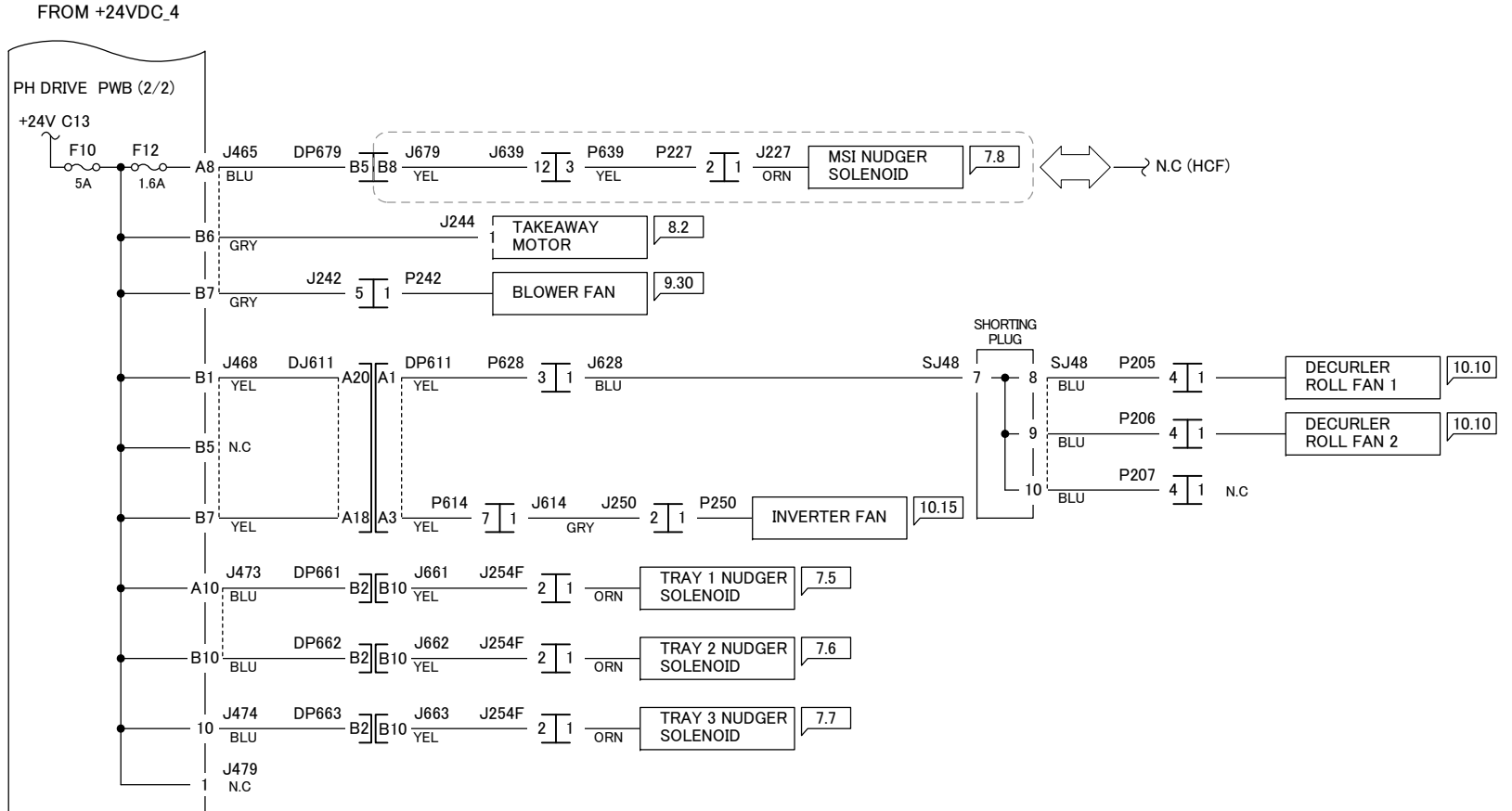
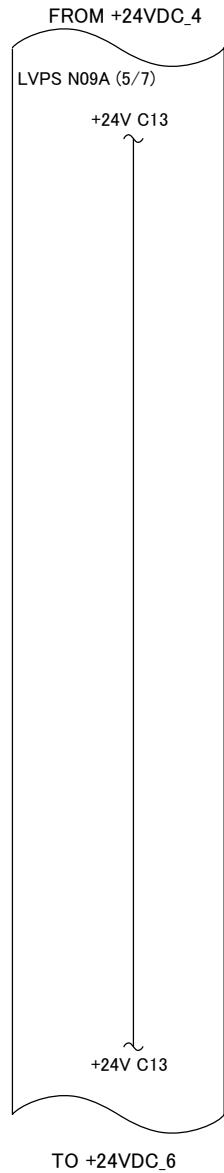


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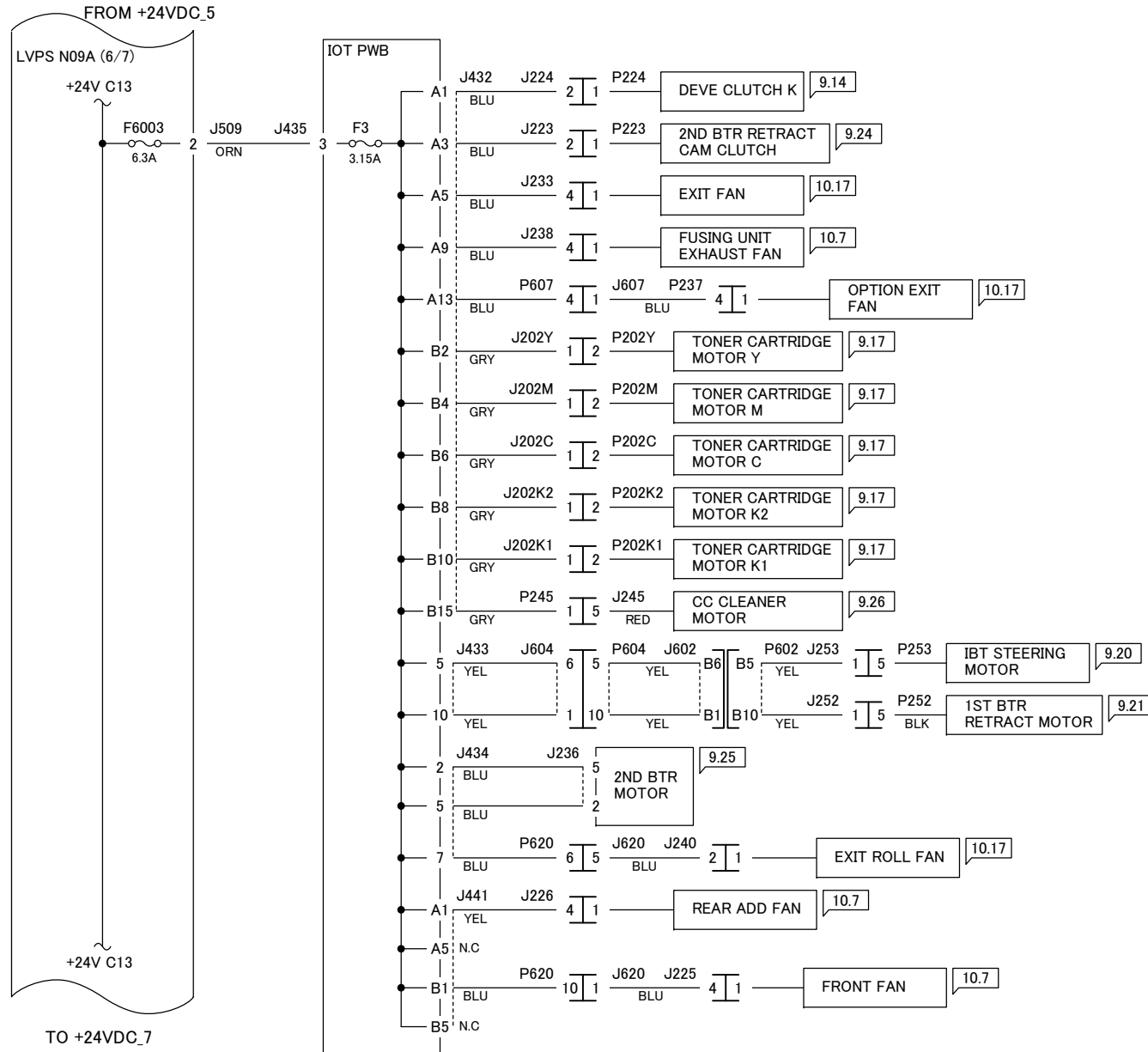
7.2.1.22 +24VDC_4



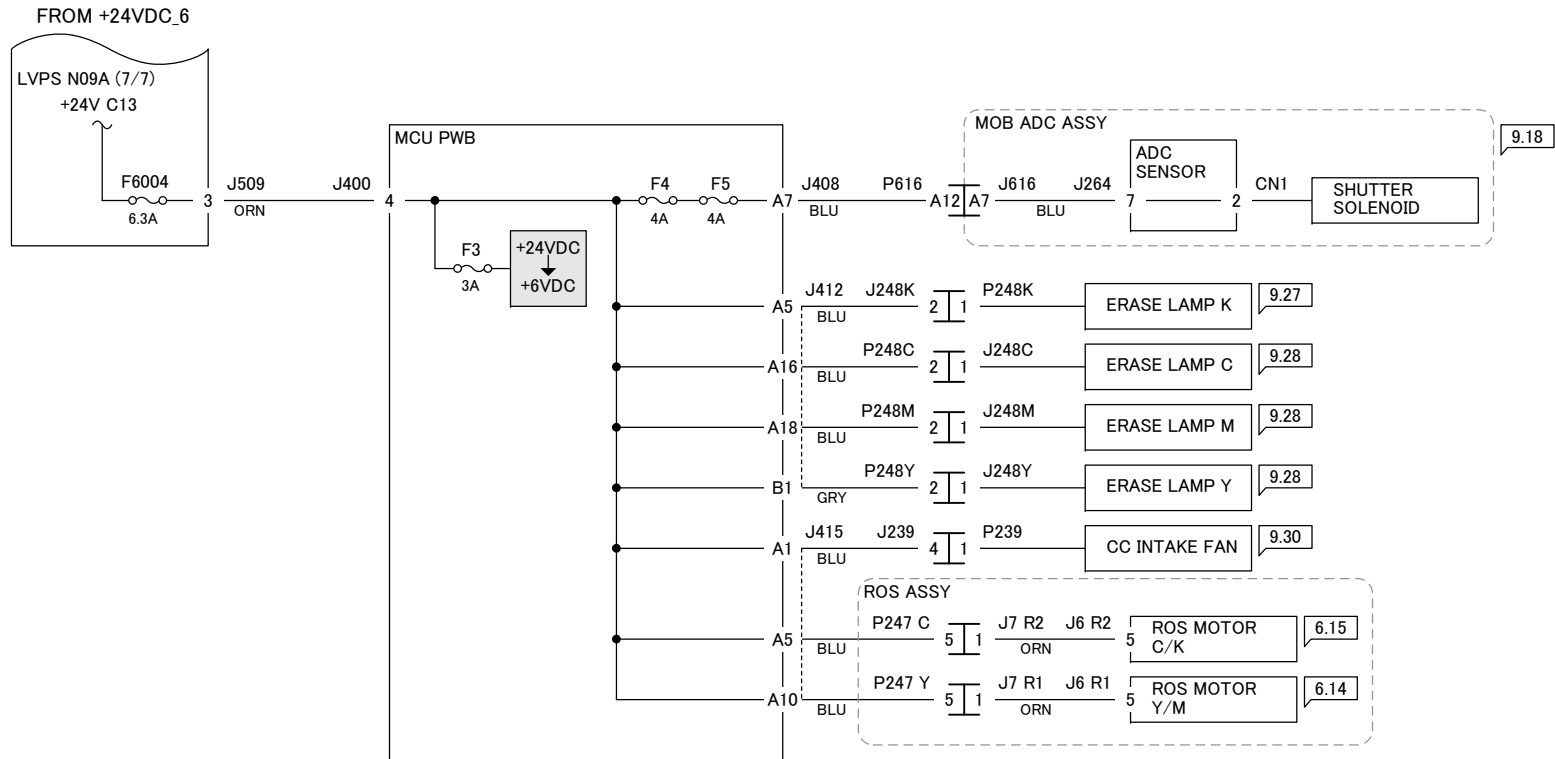
7.2.1.23 +24VDC_5



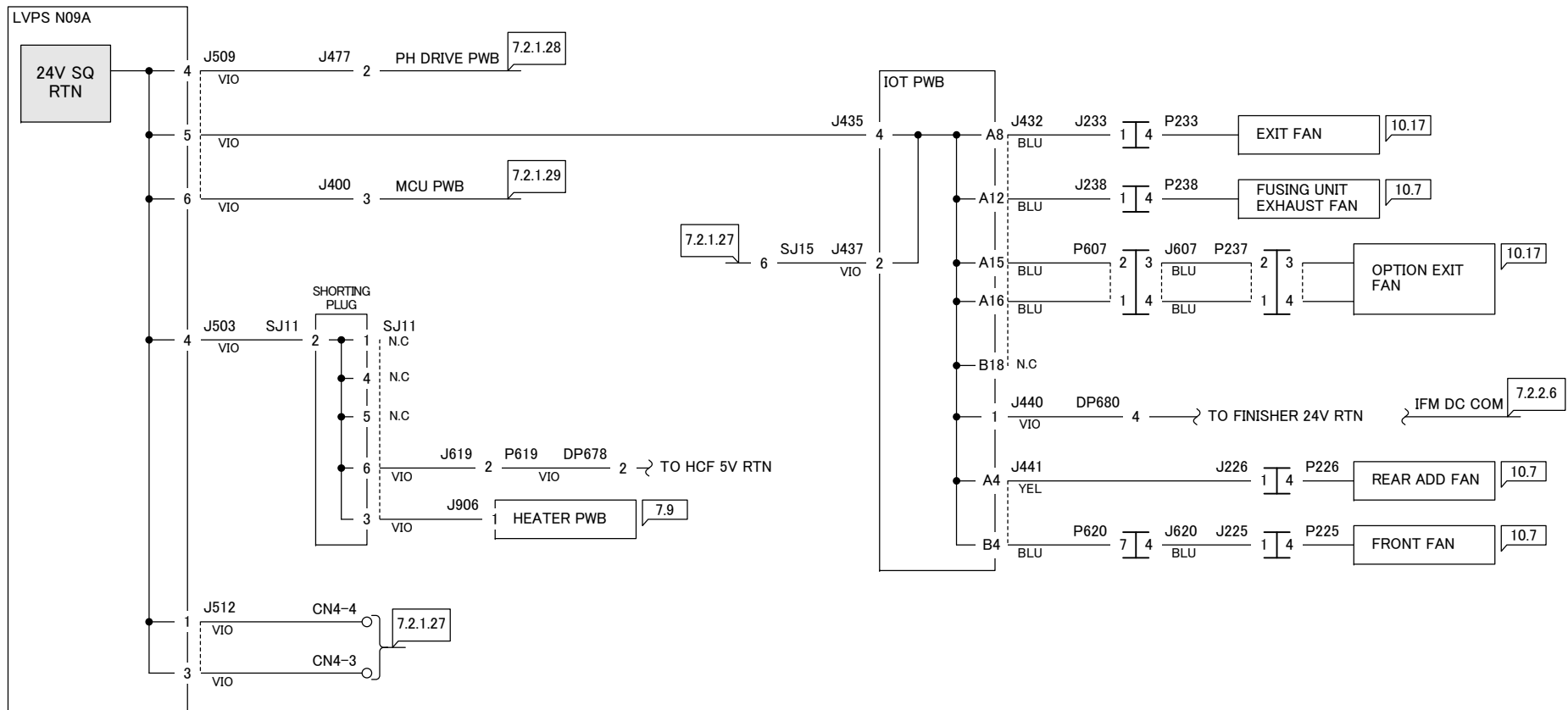
7.2.1.24 +24VDC_6



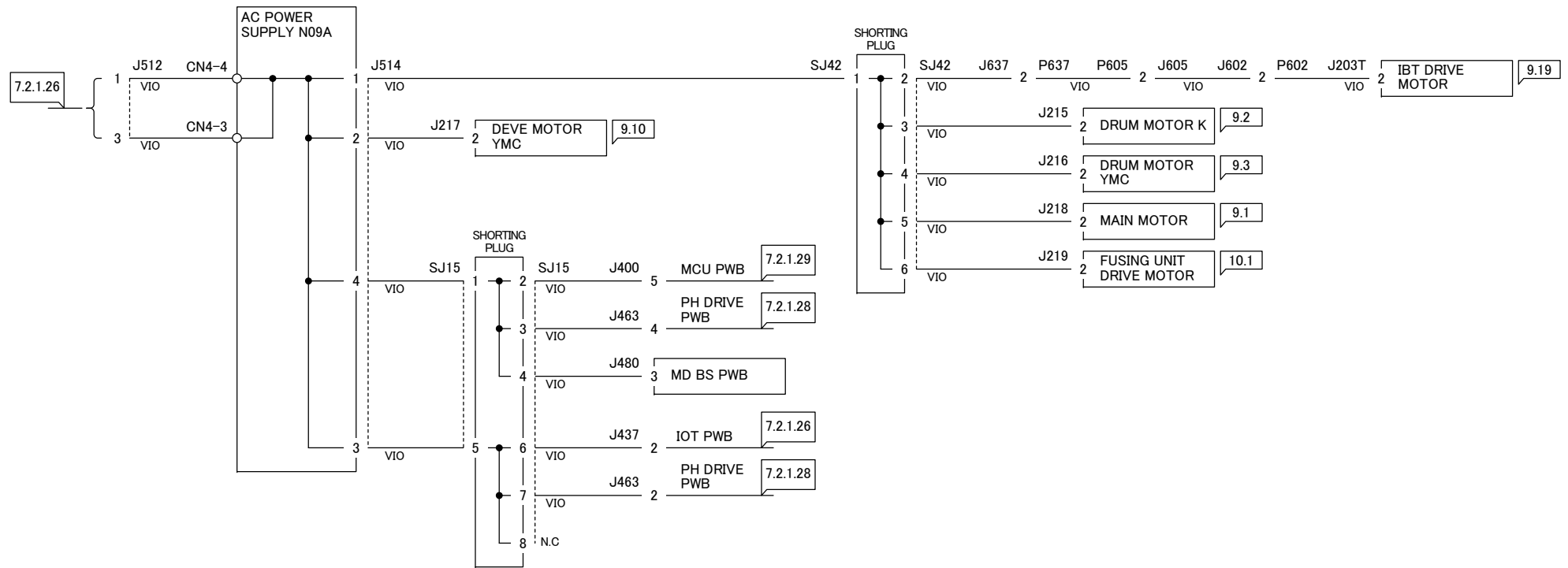
7.2.1.25 +24VDC_7



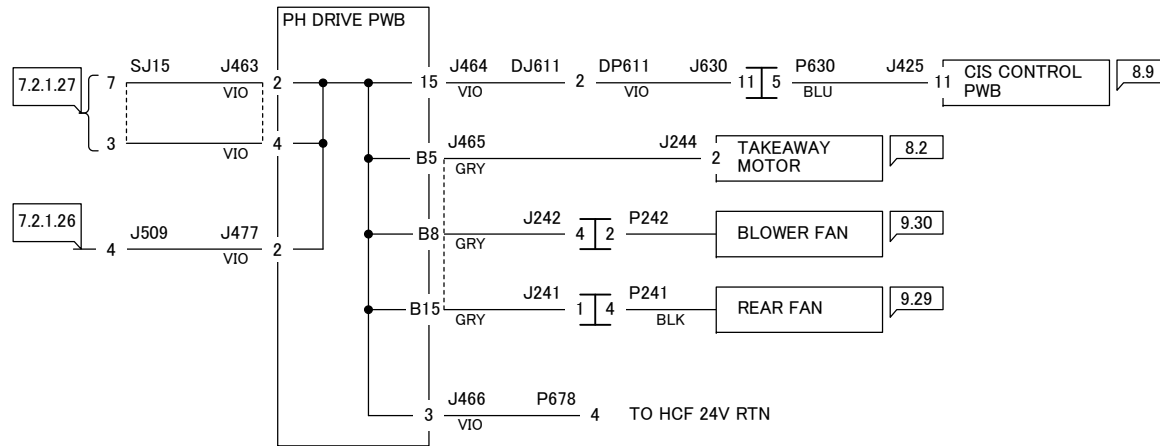
7.2.1.26 24V RTN_1



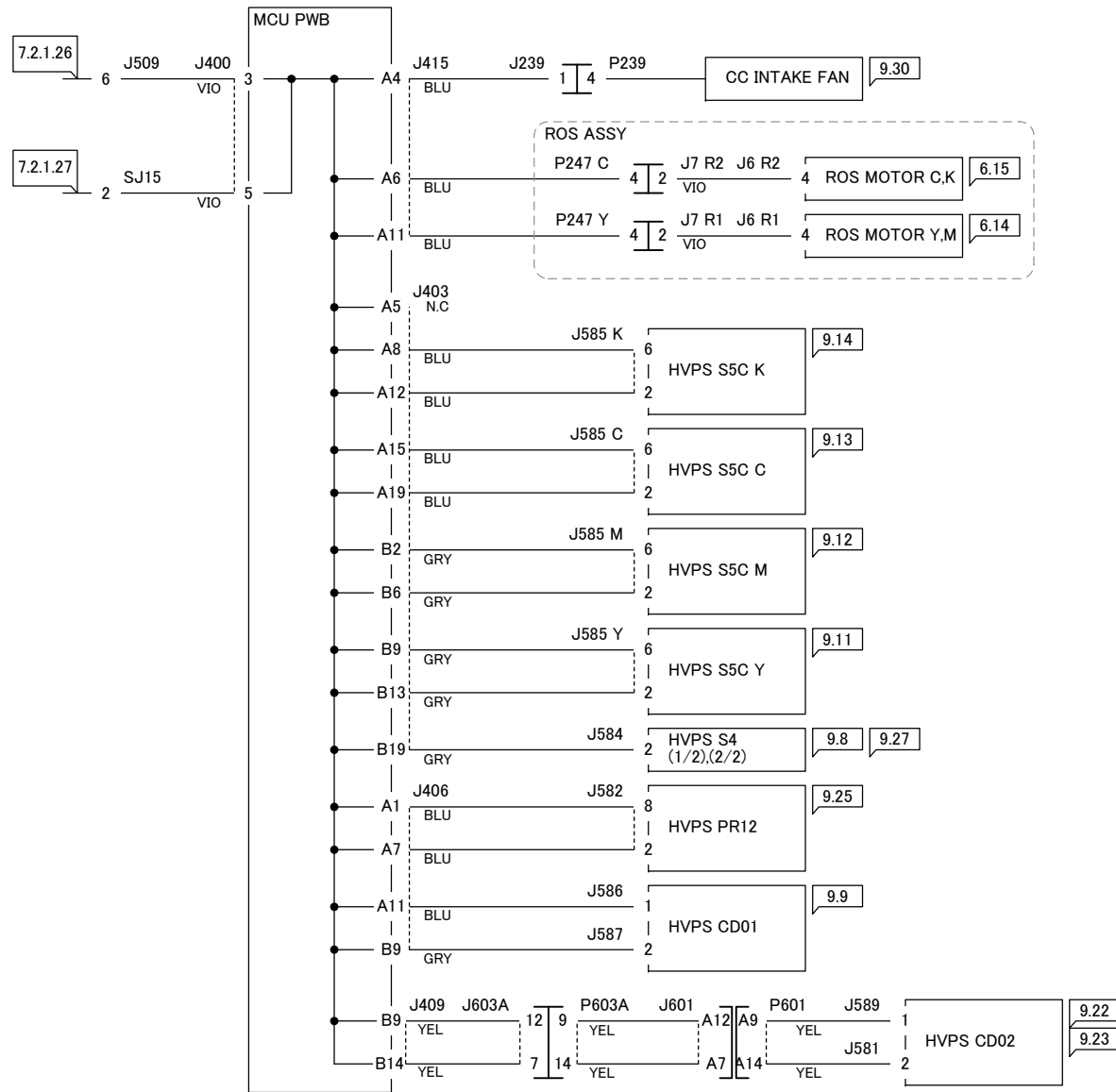
7.2.1.27 24V RTN_2



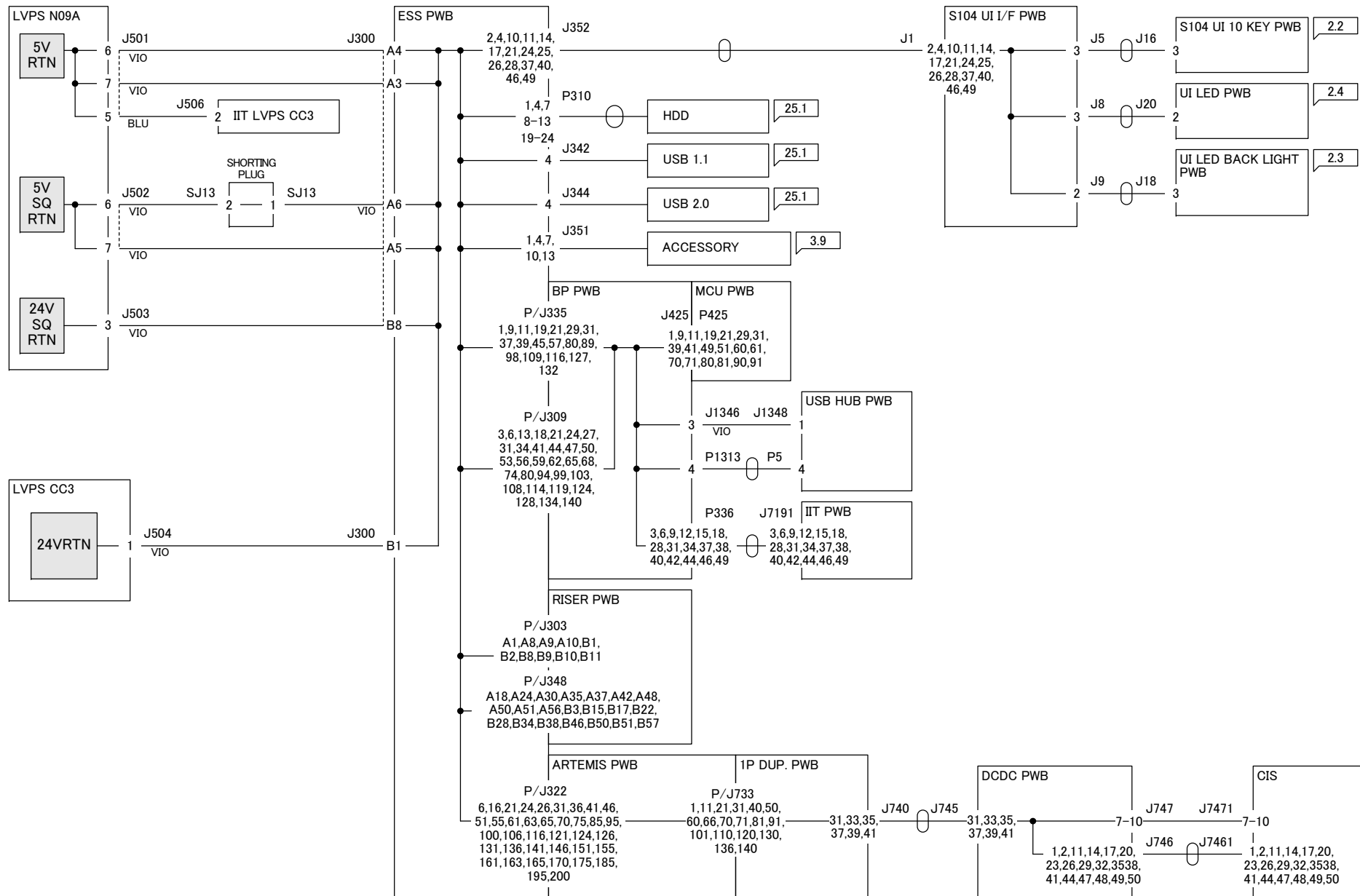
7.2.1.28 24V RTN_3



7.2.1.29 24V RTN_4

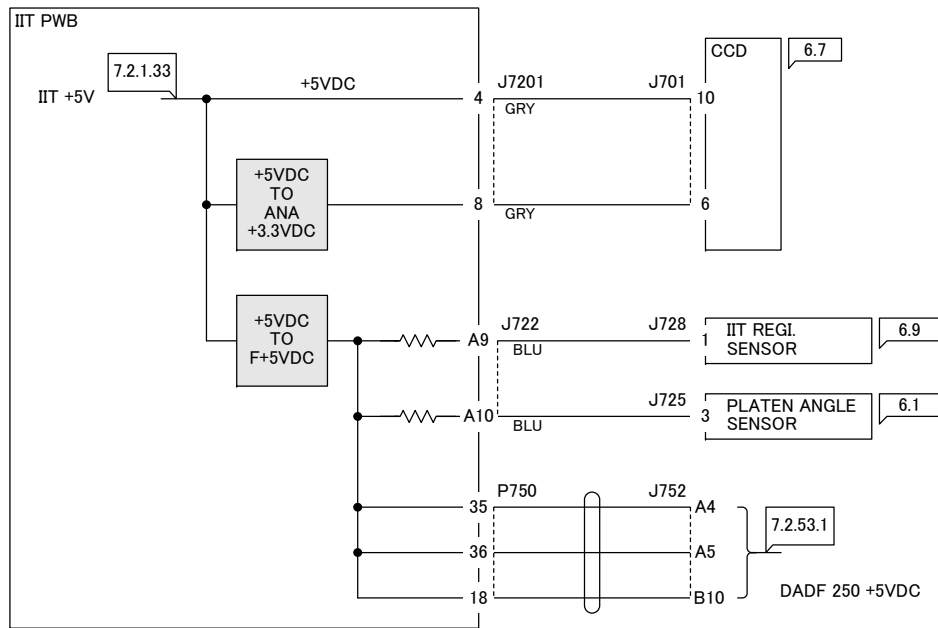


7.2.1.31 ESS DC COM

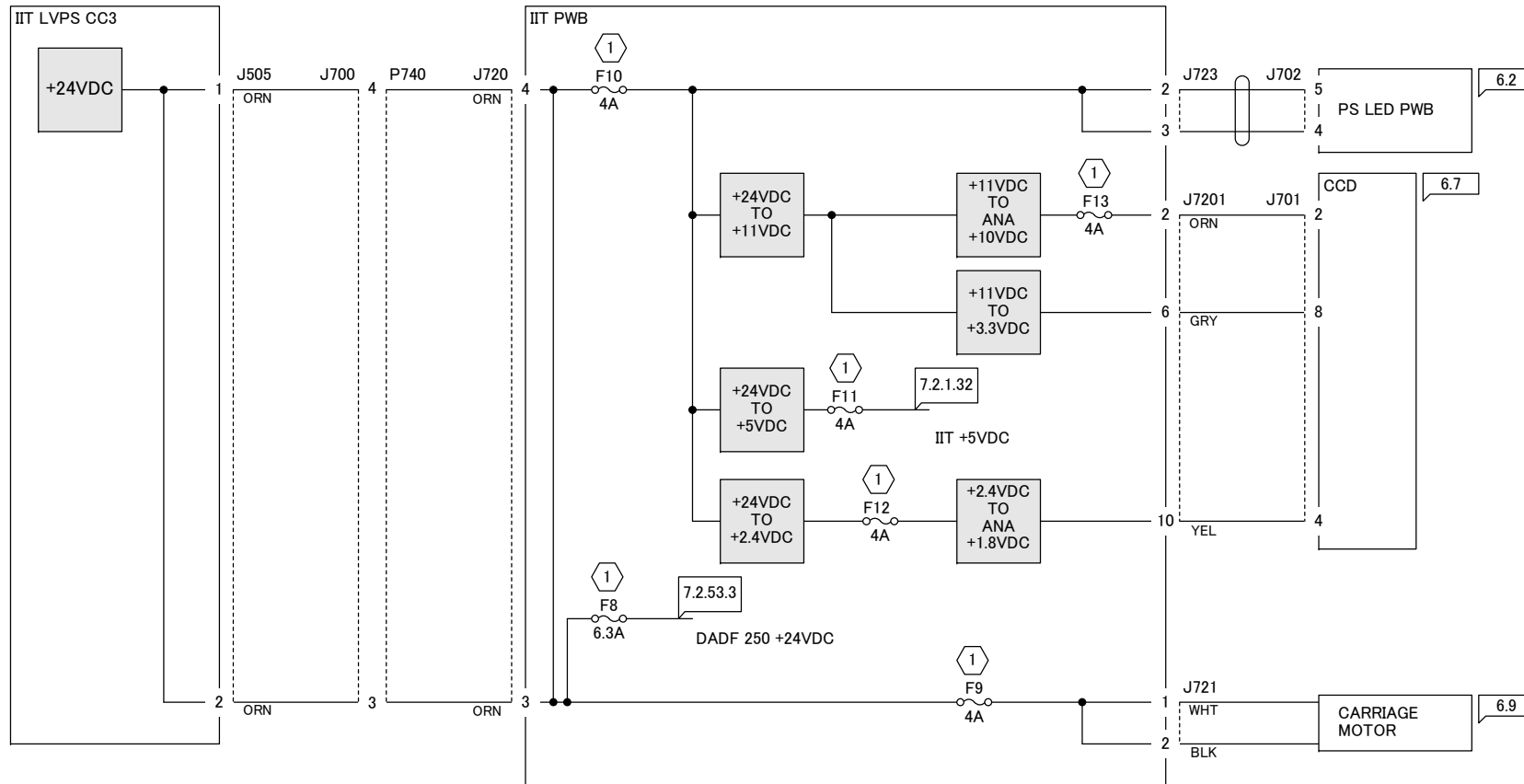


j0pr720131

7.2.1.32 IIT +5VDC



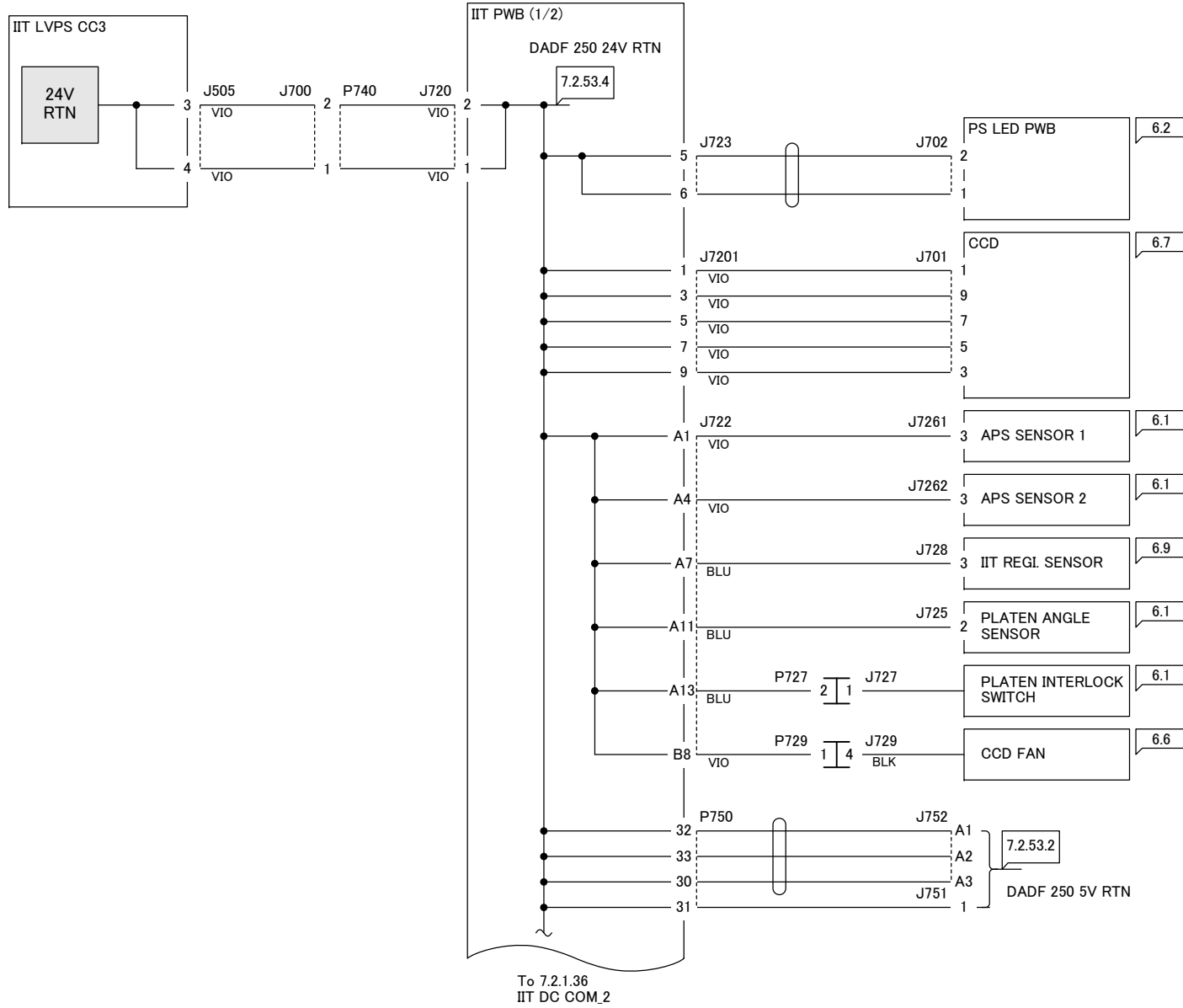
7.2.1.33 IIT +24VDC



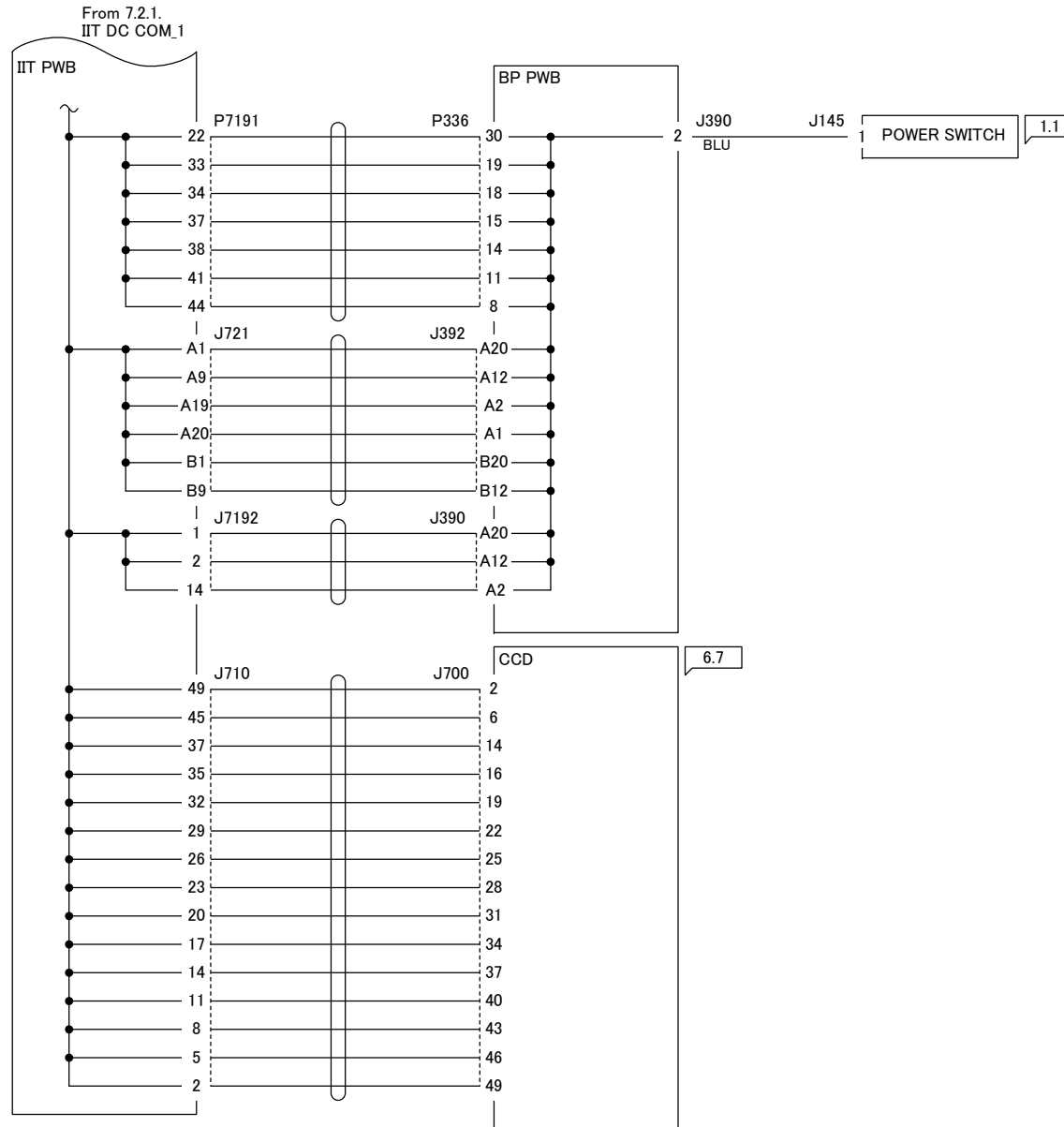
NOTE:

 Chip Fuse

7.2.1.34 IIT DC COM_1

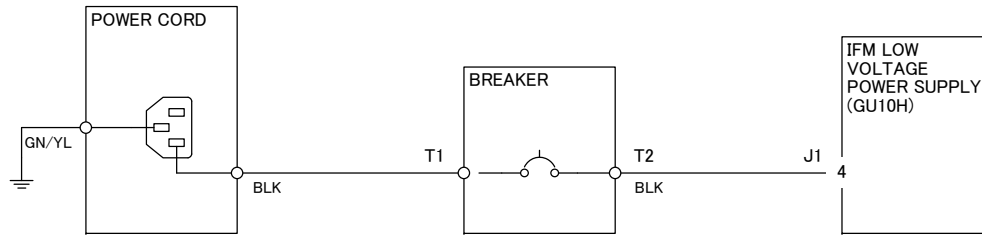


7.2.1.35 IIT DC COM_2

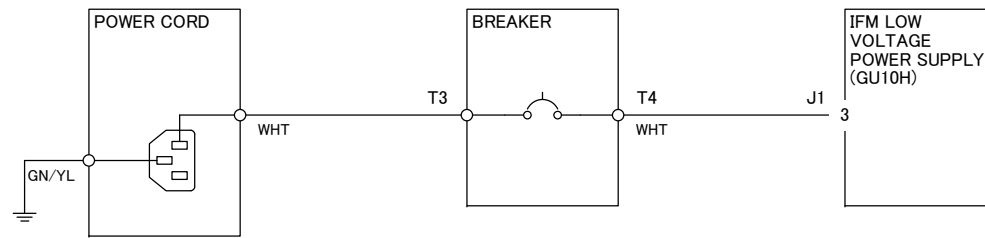


7.2.2 IFM

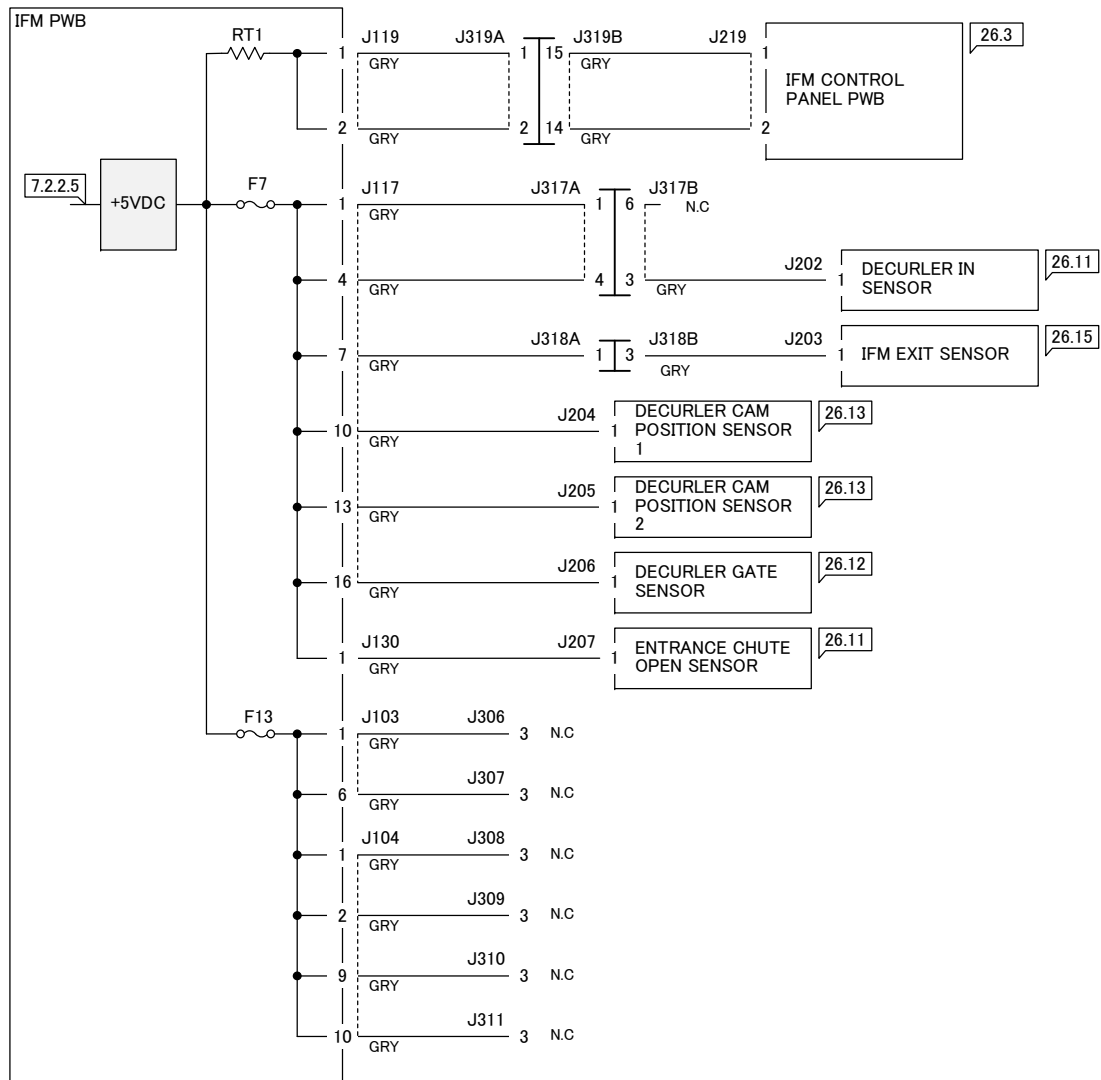
7.2.2.1 AC POWER (HOT)



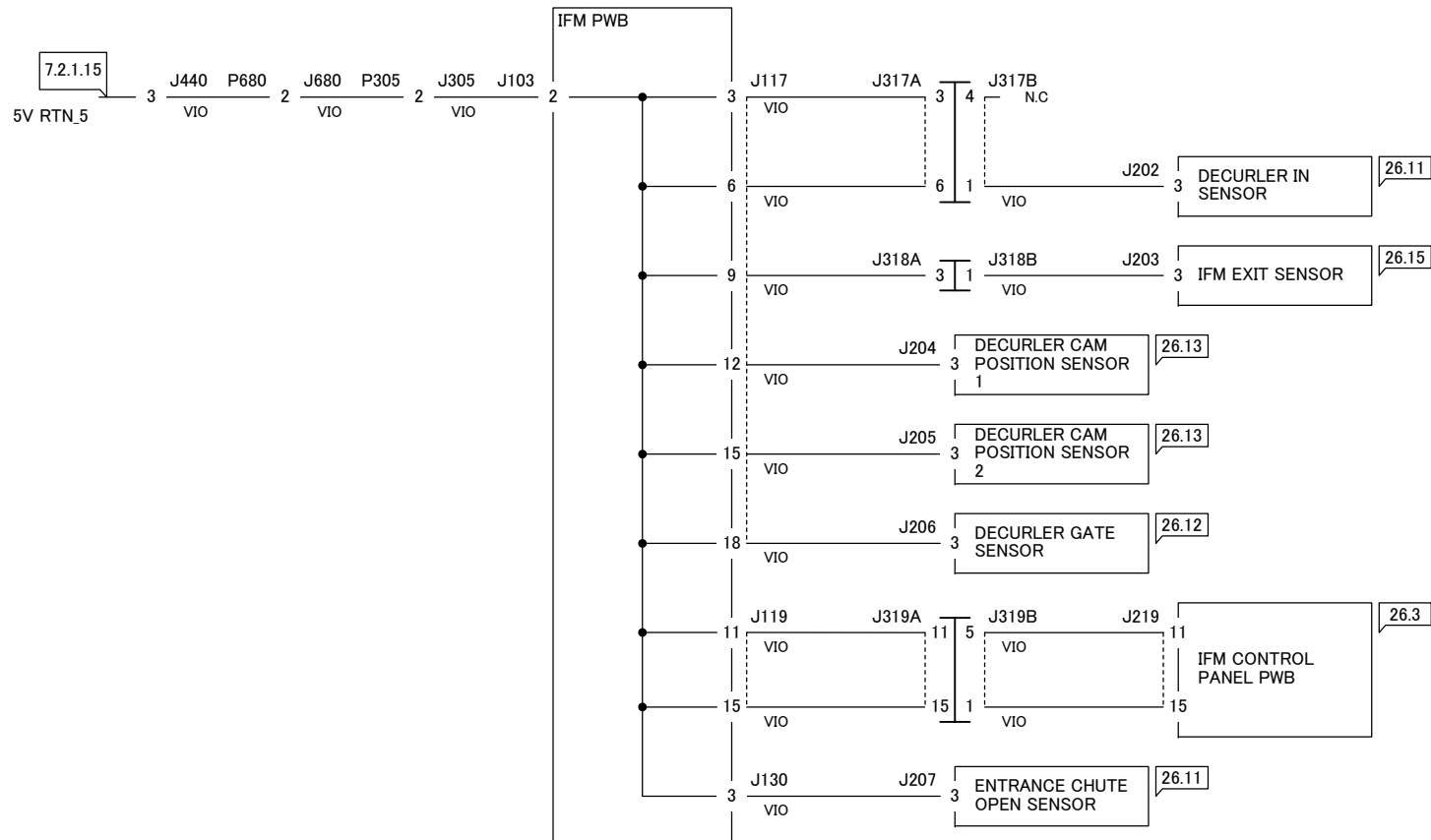
7.2.2.2 AC POWER (NUT)



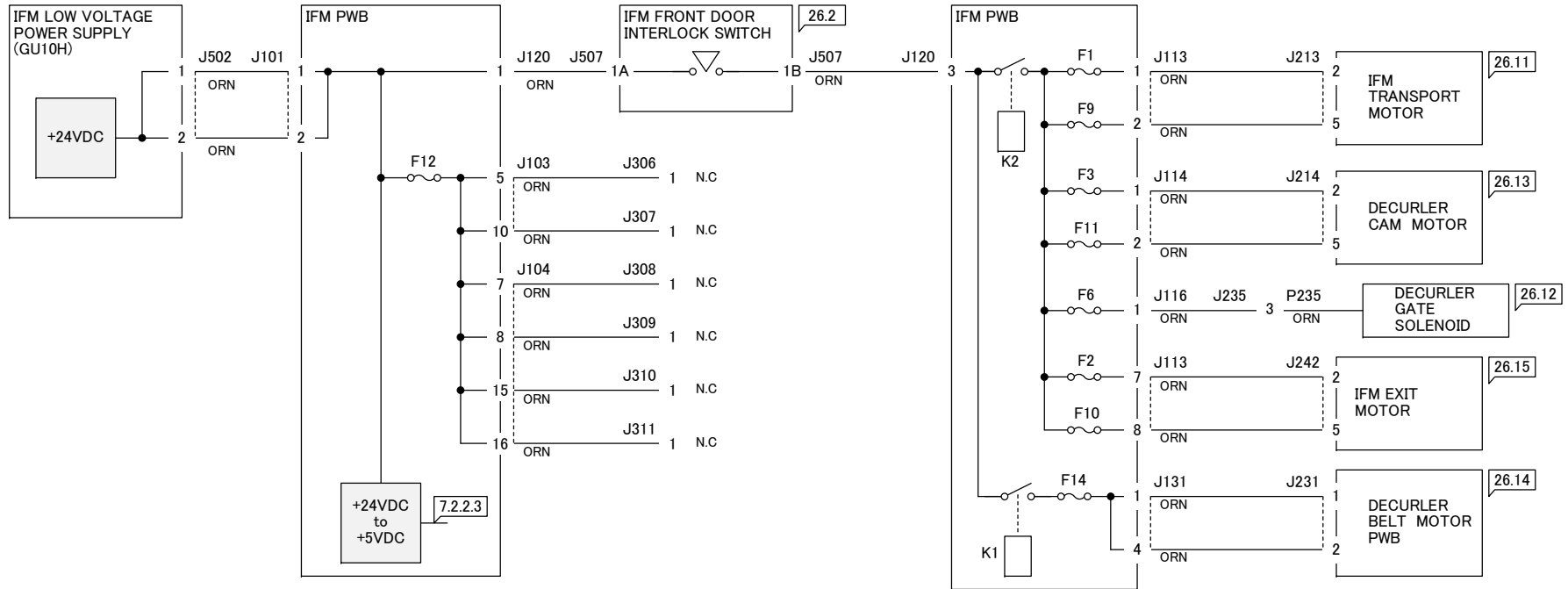
7.2.2.3 +5VDC



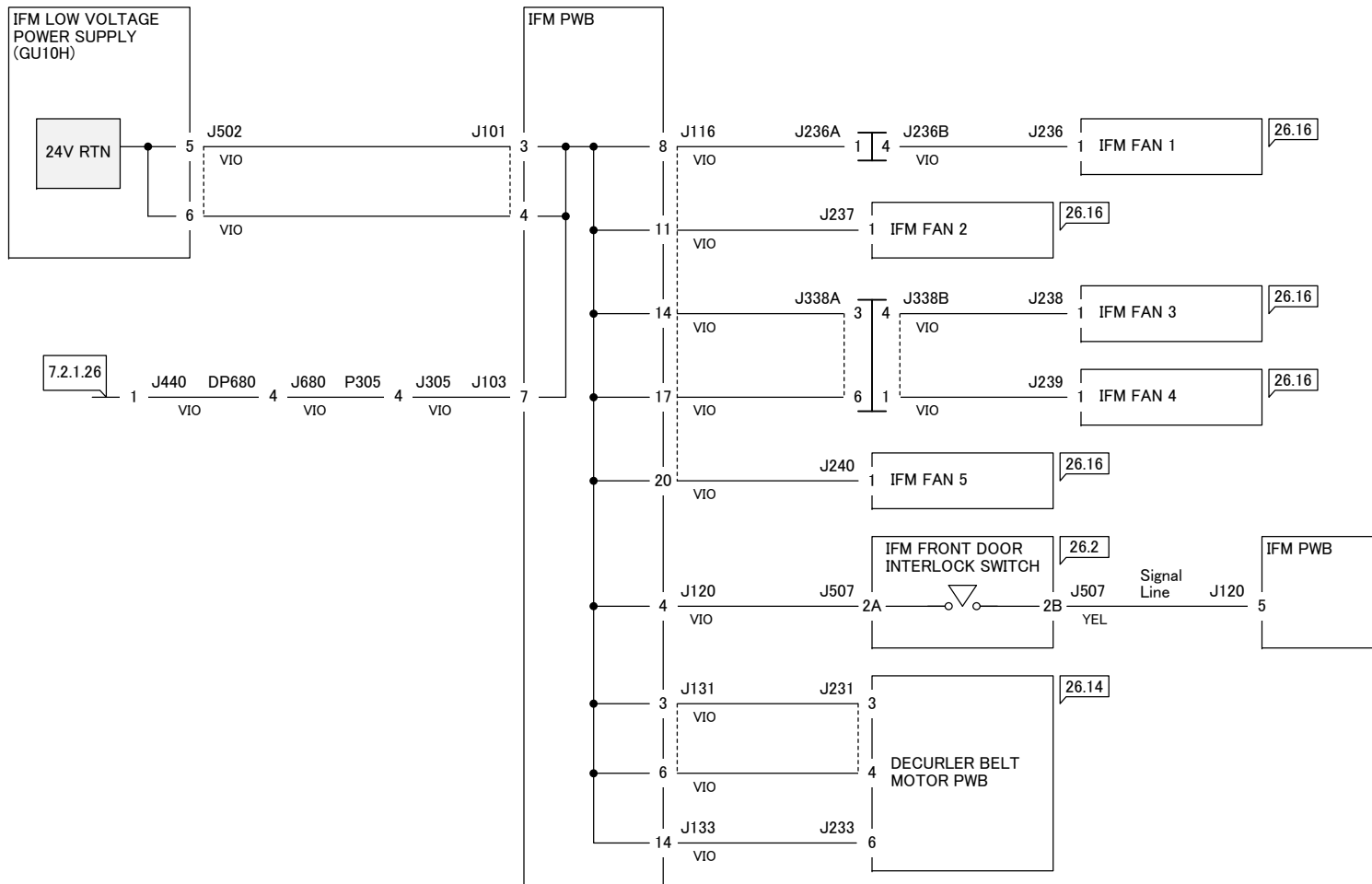
7.2.2.4 DC COM (5V RTN)



7.2.2.5 +24VDC

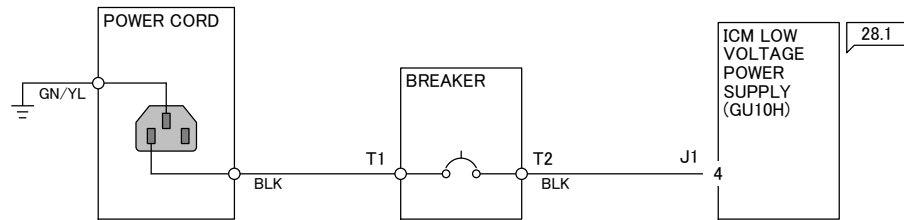


7.2.2.6 DC COM (24V RTN)

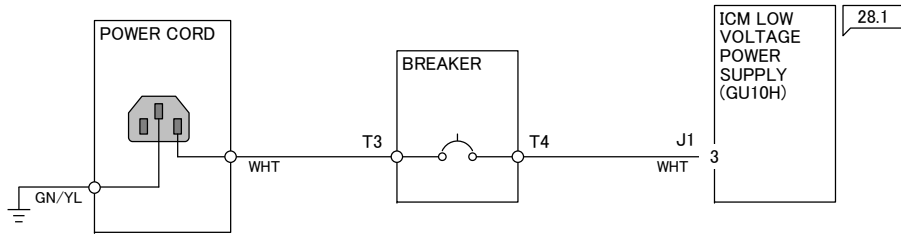


7.2.3 ICM

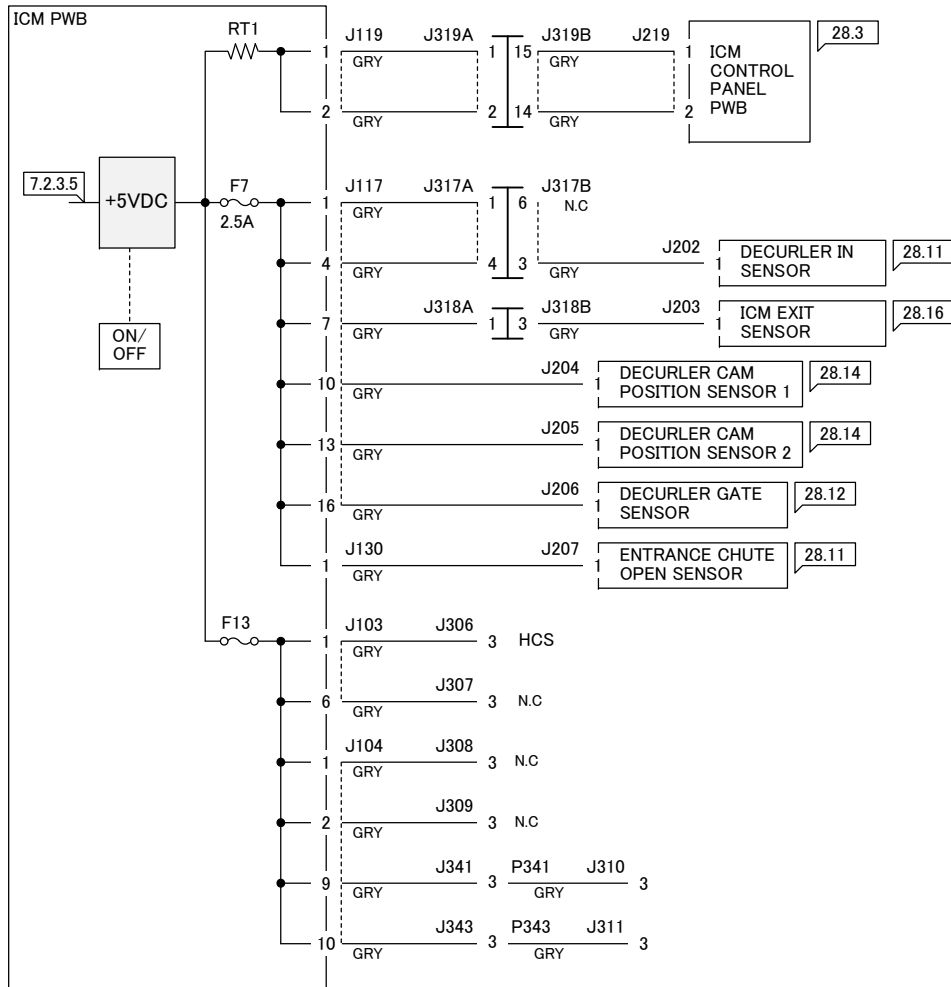
7.2.3.1 AC POWER (HOT)



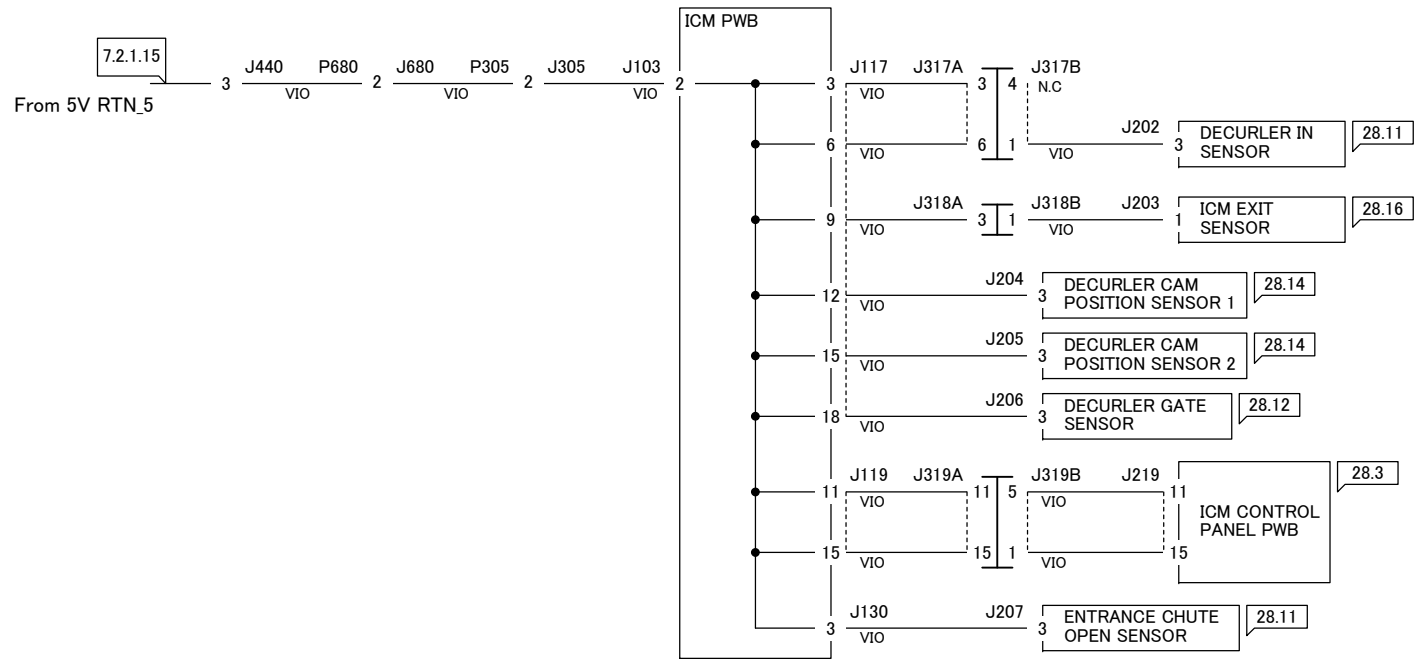
7.2.3.2 AC POWER (NEUTRAL)



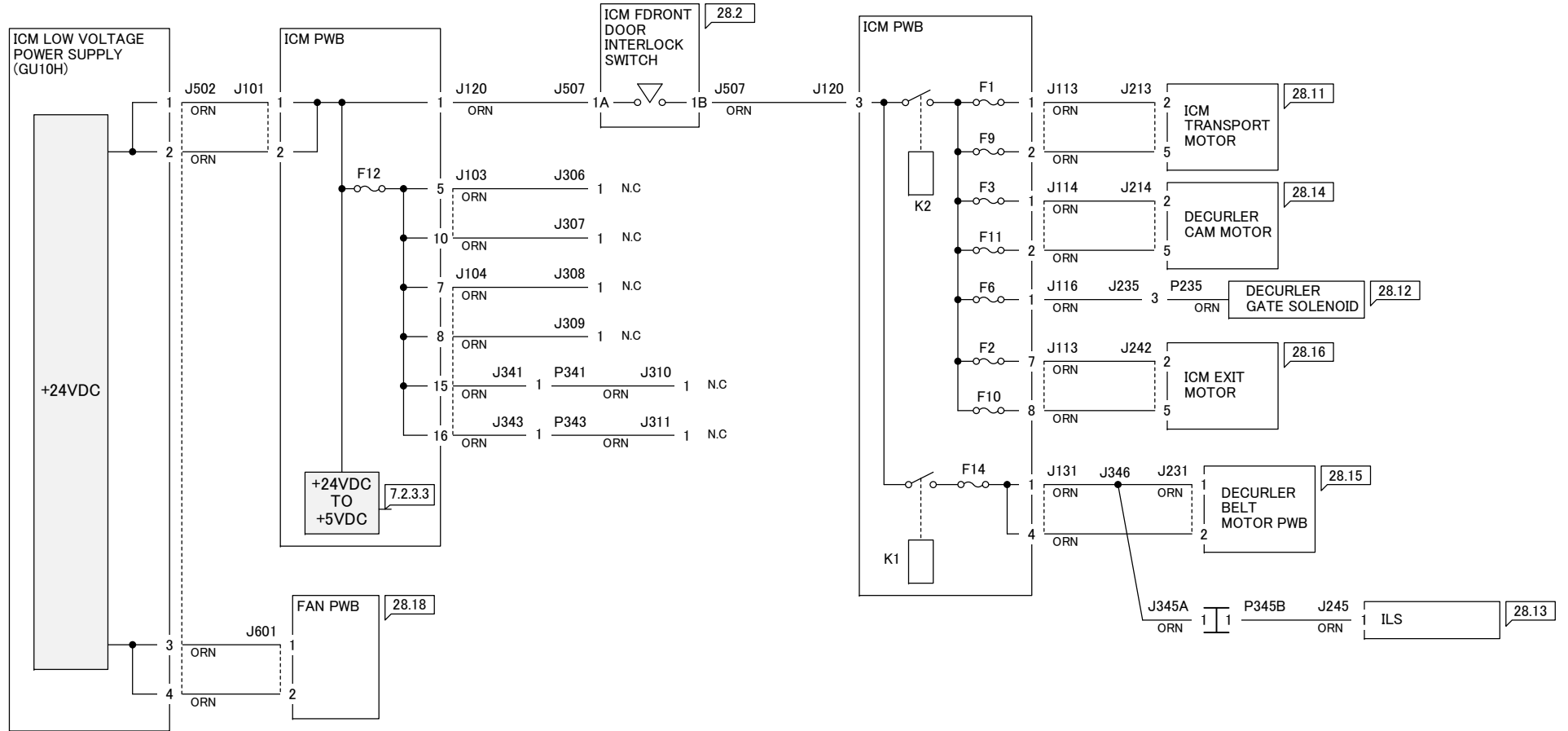
7.2.3.3 +5VDC



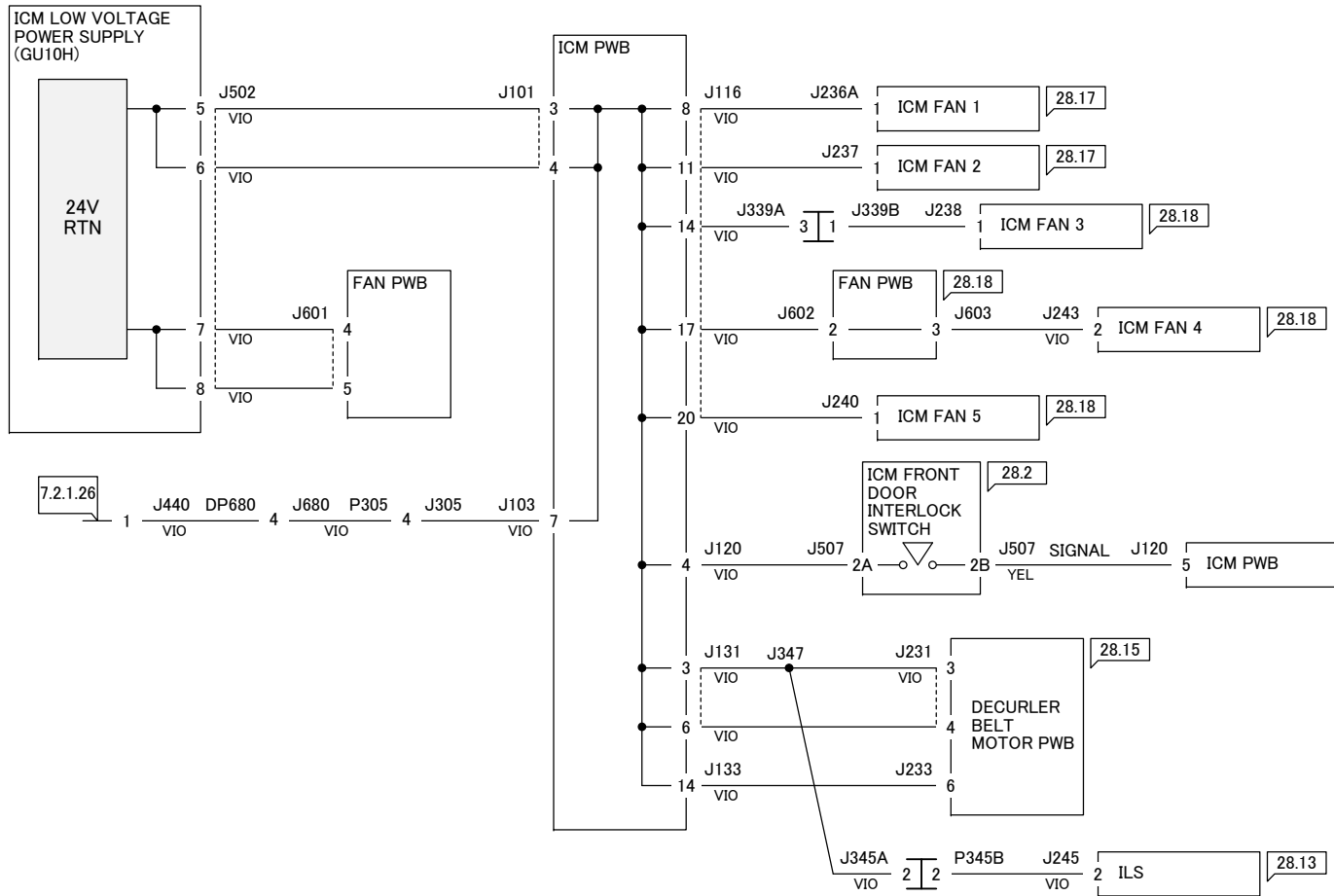
7.2.3.4 DC COM (5V RTN)



7.2.3.5 +24VDC

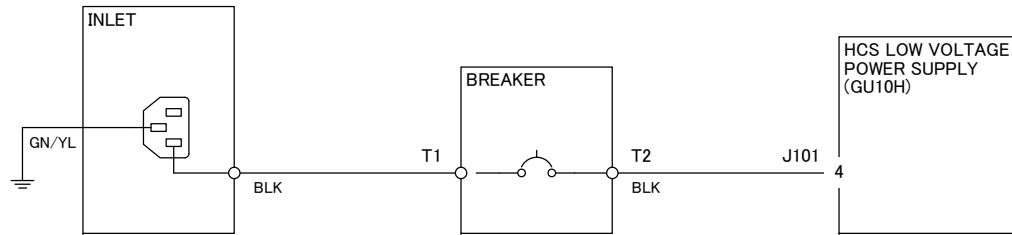


7.2.3.6 DC COM (24V RTN)

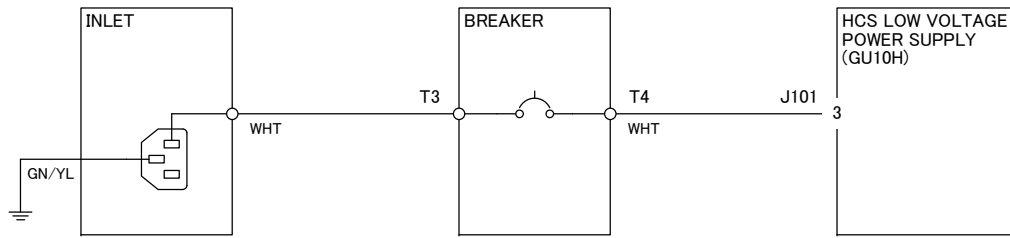


7.2.4 HCS

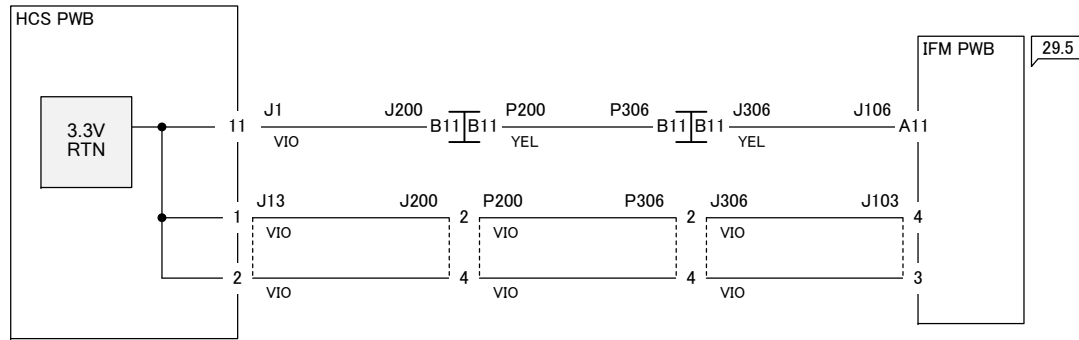
7.2.4.1 AC POWER (HOT)



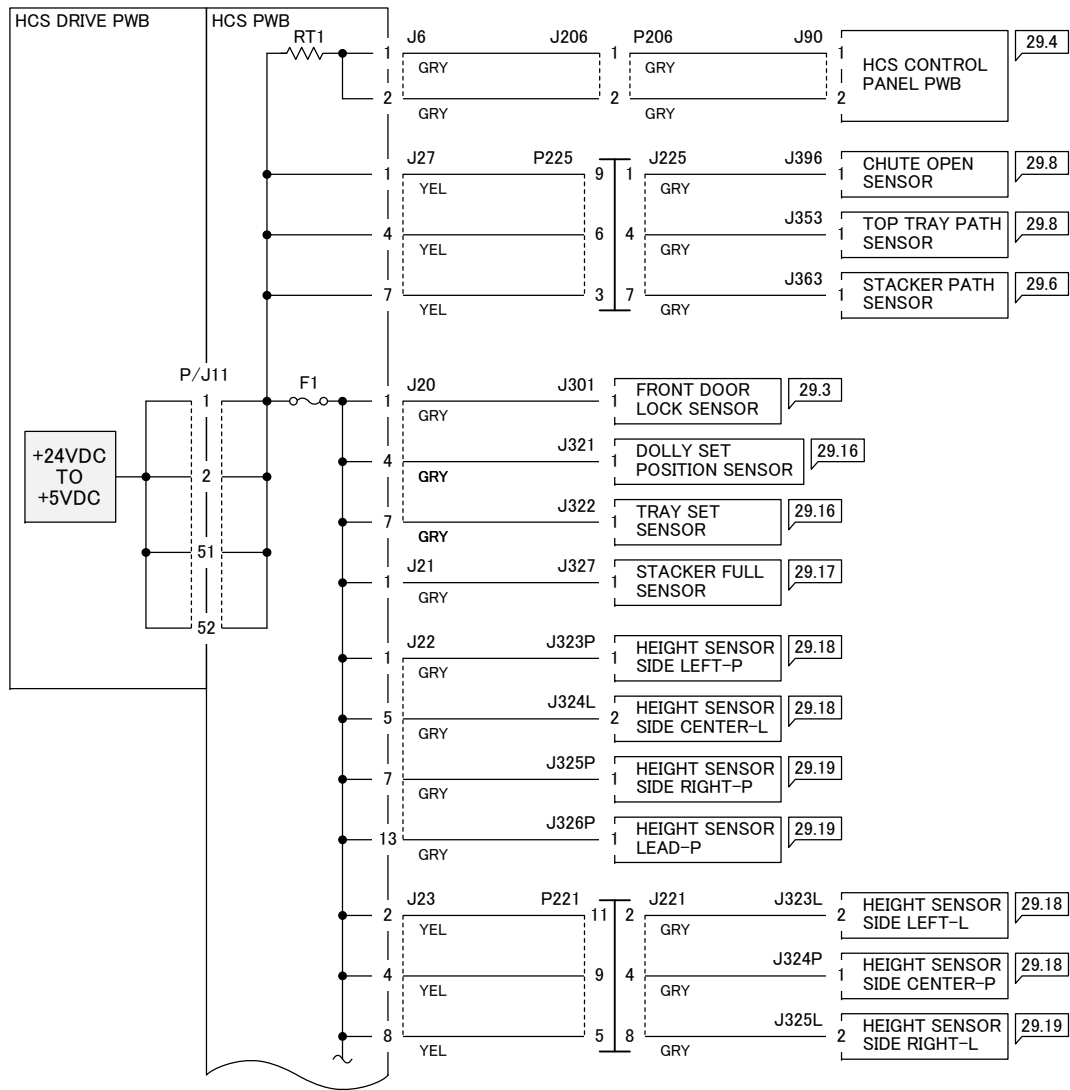
7.2.4.2 AC POWER (NUT)



7.2.4.3 DC COM (3.3V RTN)



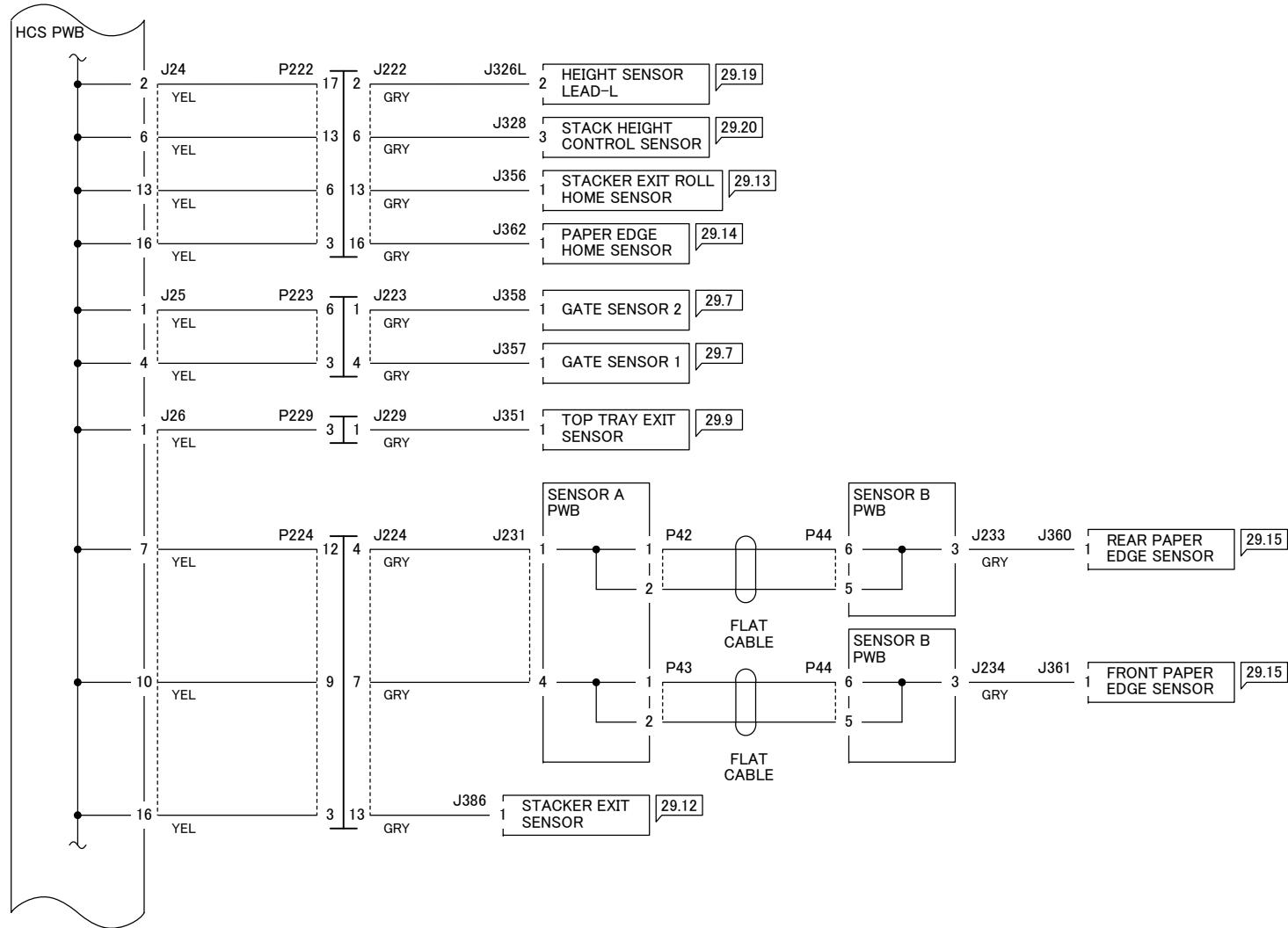
7.2.4.4 +5VDC-1



(SEE HCS +5VDC-2)

7.2.4.5 +5VDC-2

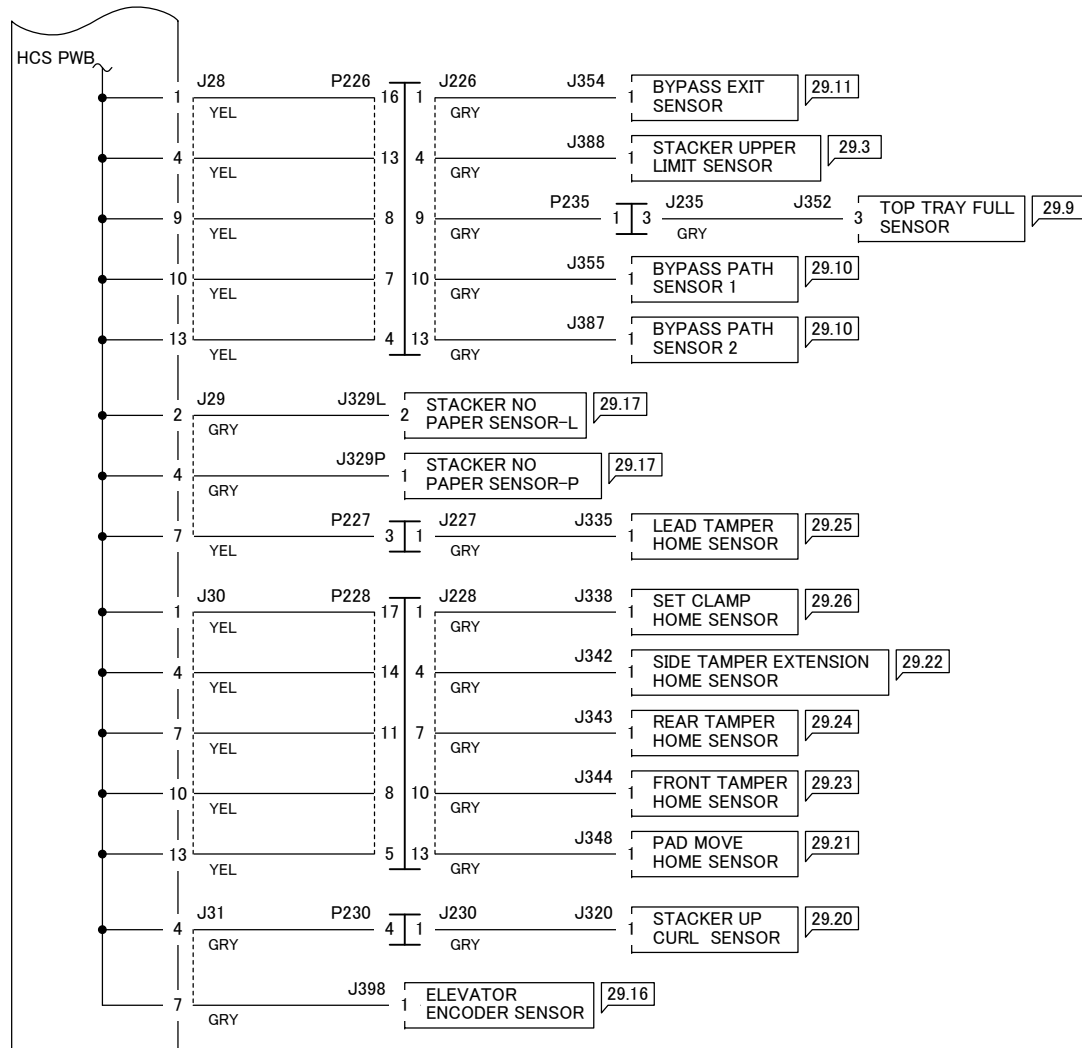
(FROM HCS +5VDC-1)



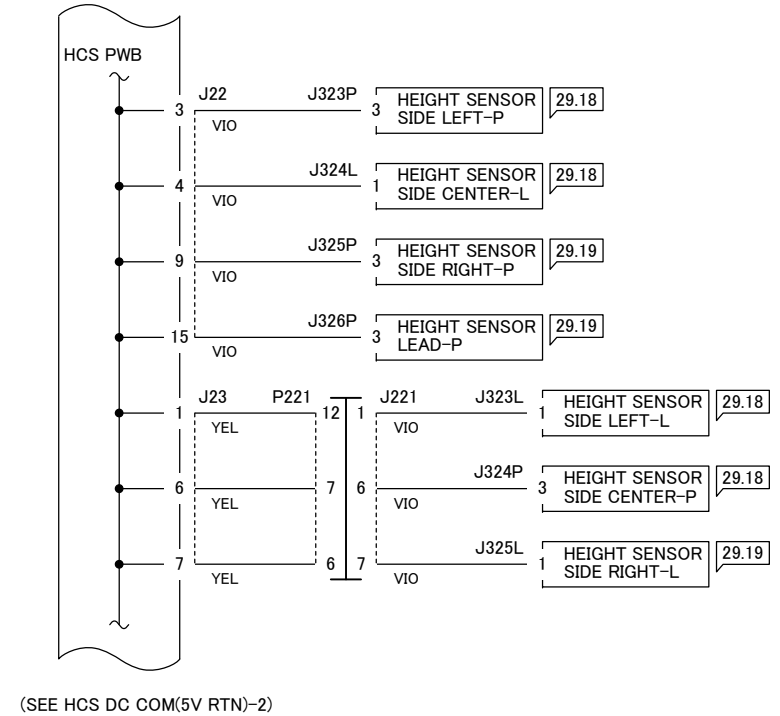
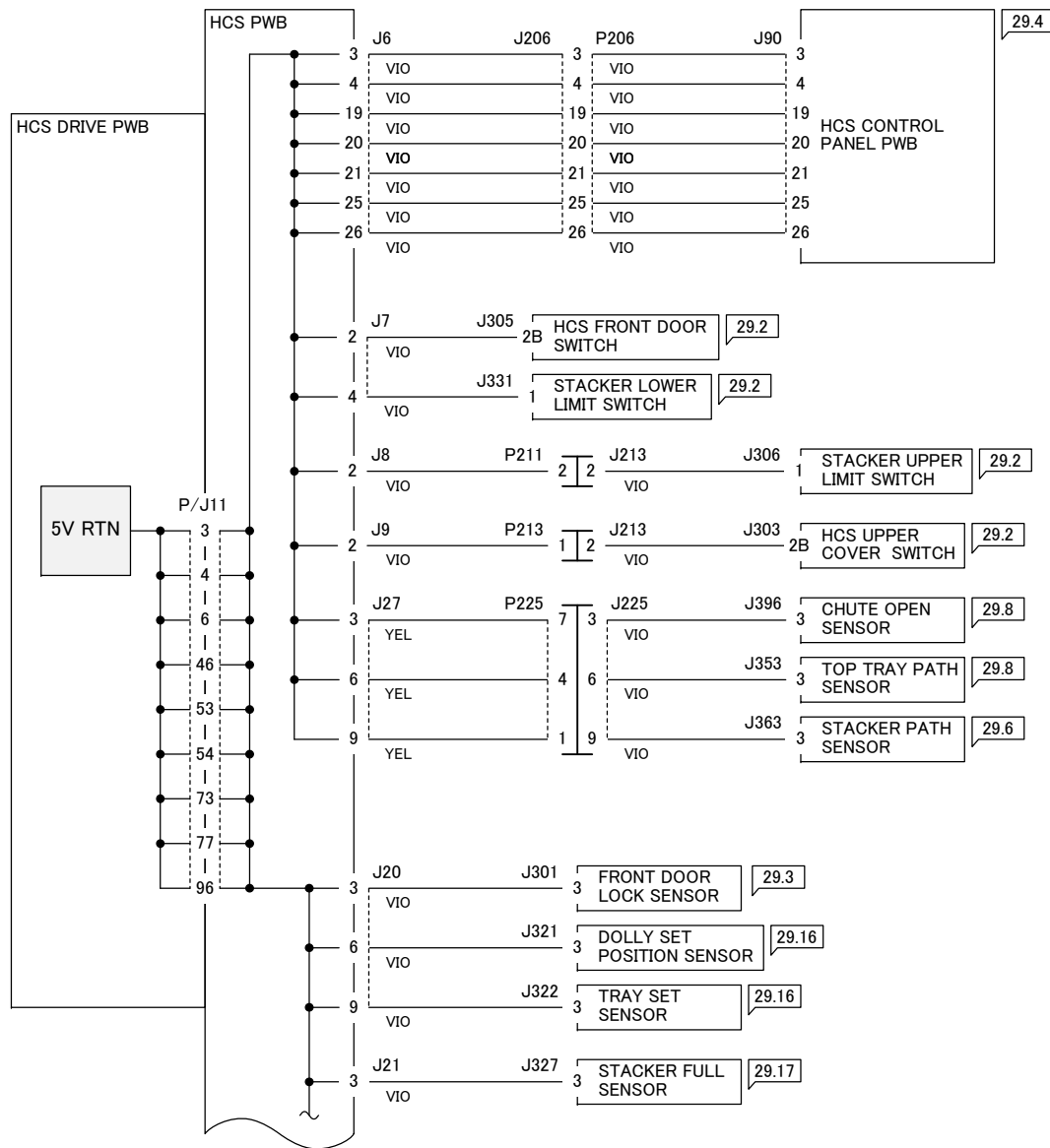
(SEE HCS +5VDC-3)

7.2.4.6 +5VDC-3

(FROM HCS +5VDC-2)



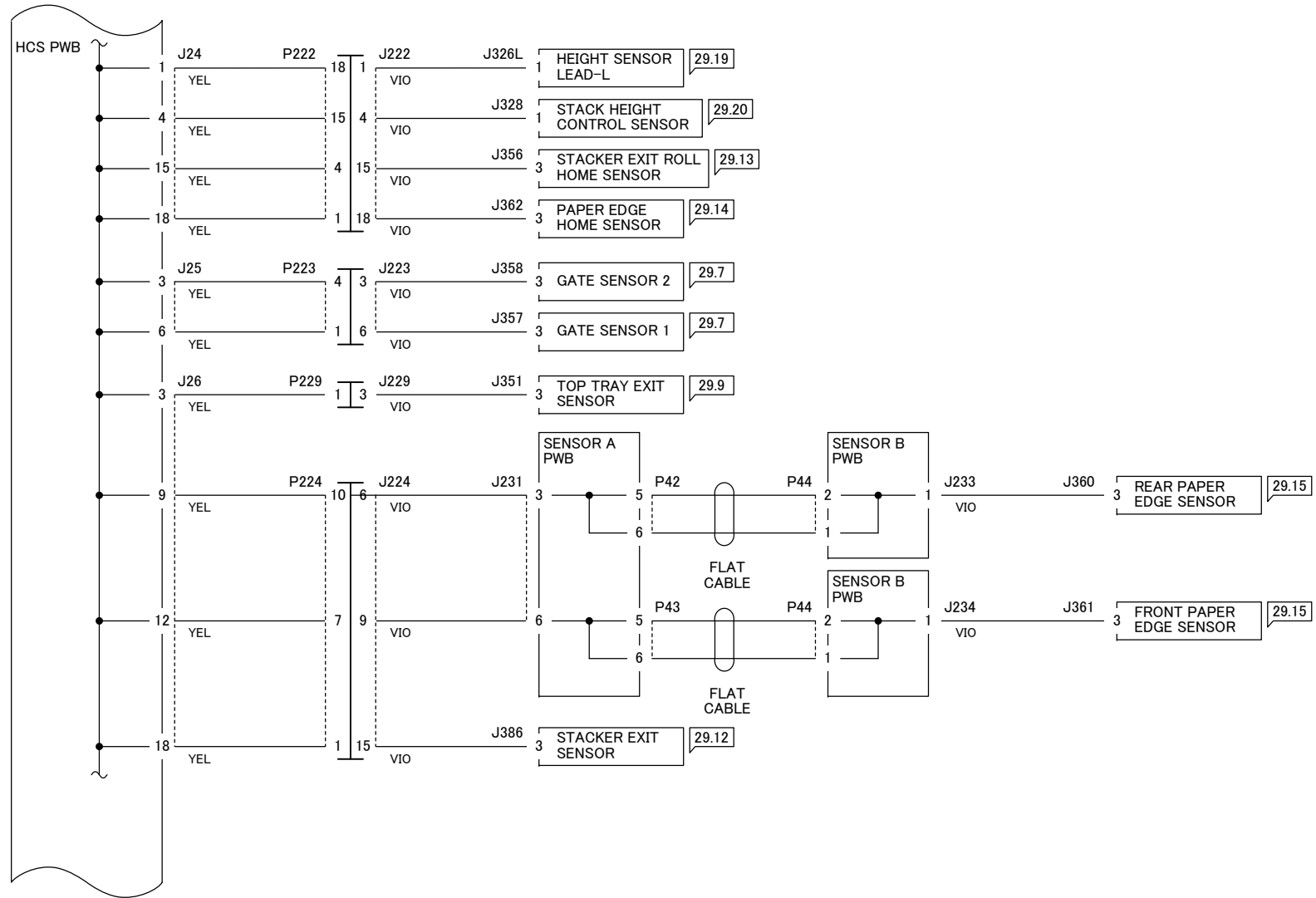
7.2.4.7 DC COM (5V RTN)-1



(SEE HCS DC COM(5V RTN)-2)

7.2.4.8 DC COM (5V RTN)-2

(FROM HCS DC COM(5V RTN)-1)

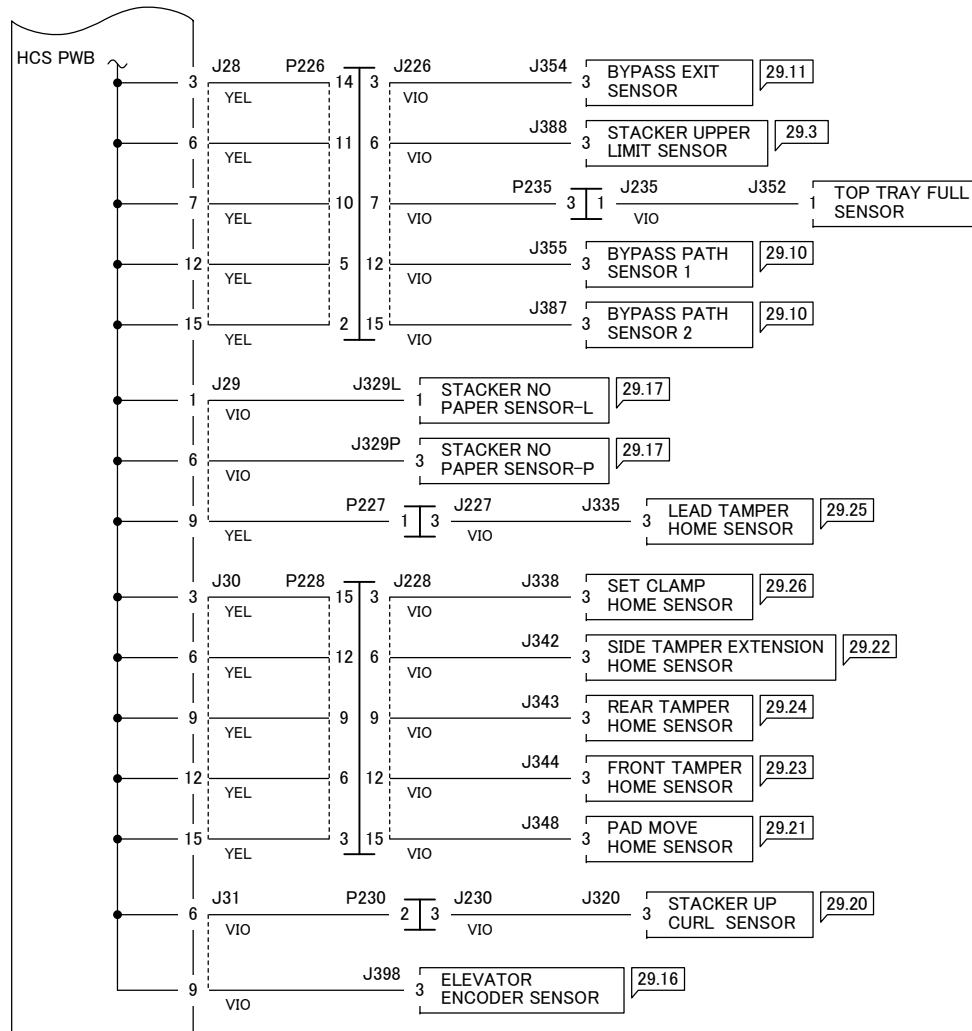


(SEE HCS DC COM(5V RTN)-3)

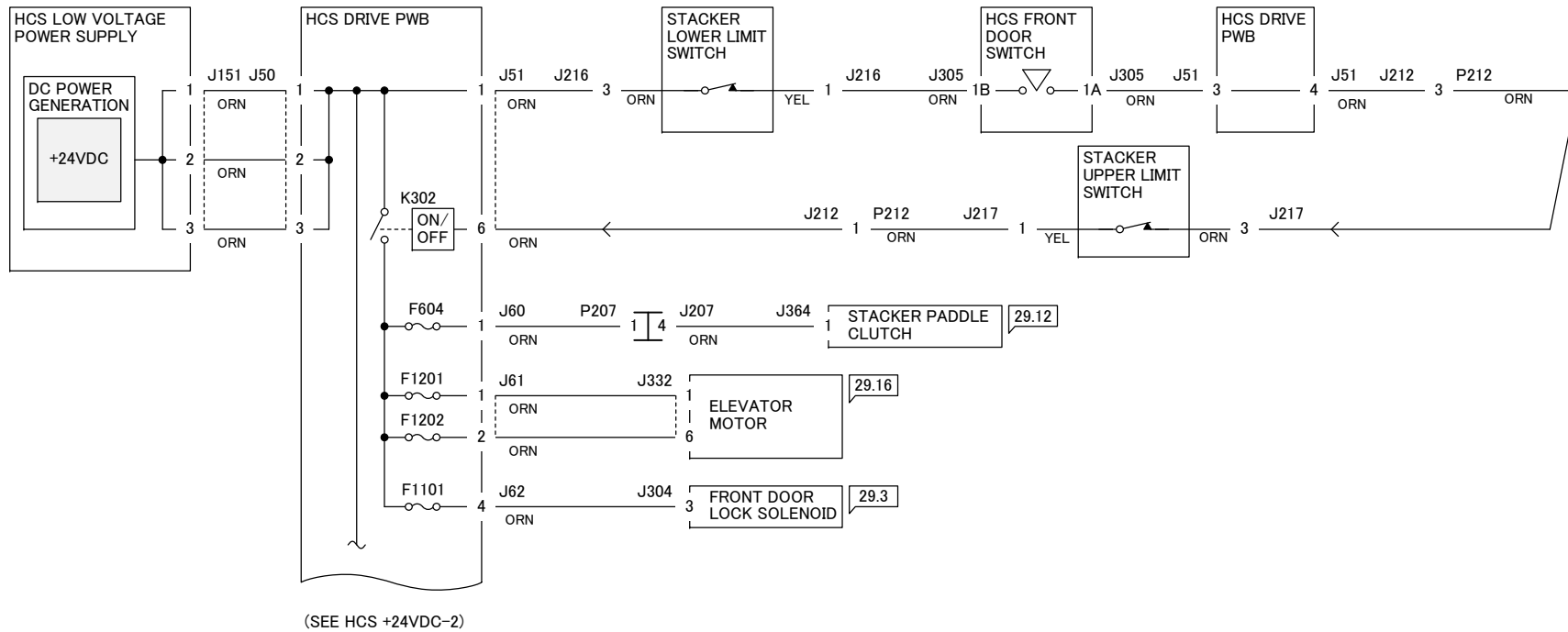
j0pr720408

7.2.4.9 DC COM (5V RTN)-3

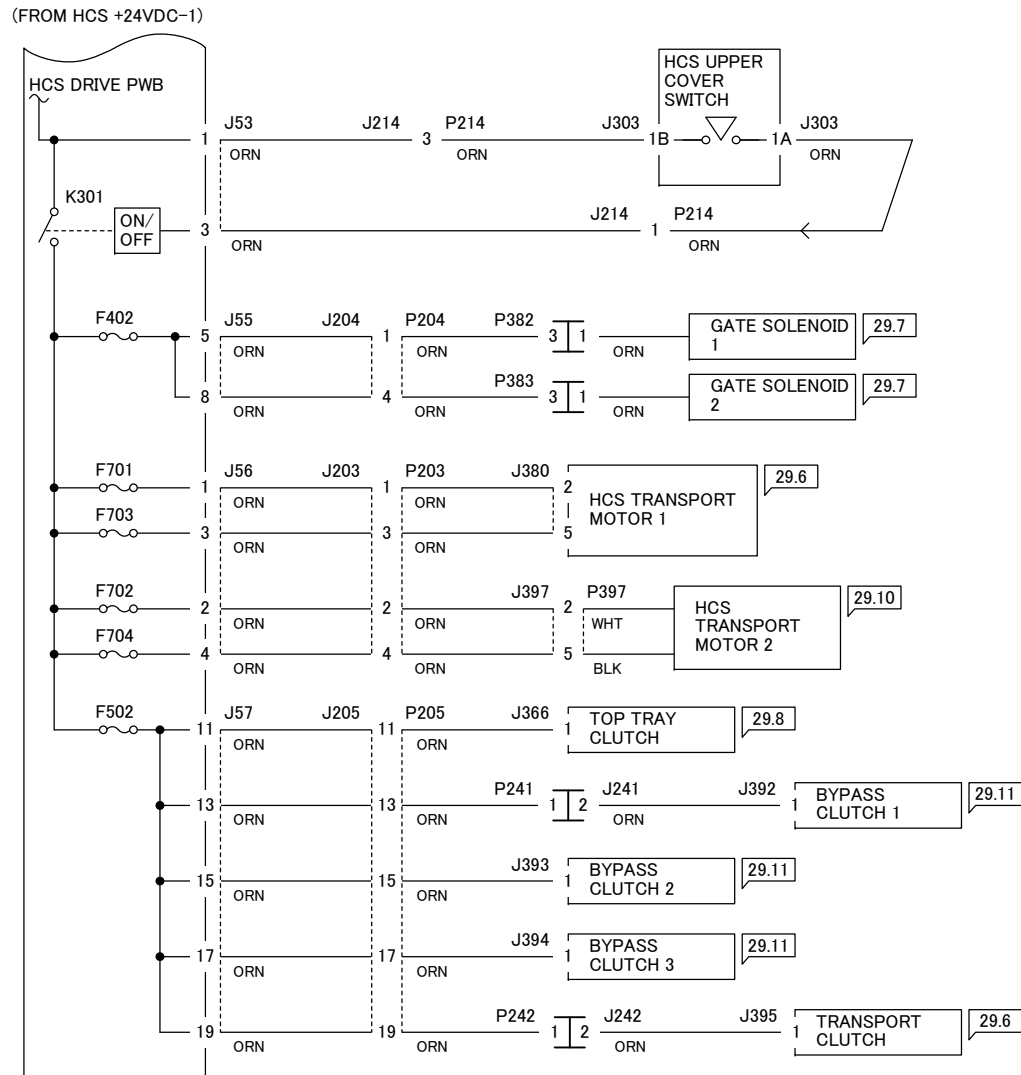
(FROM HCS DC COM(5V RTN)-2)



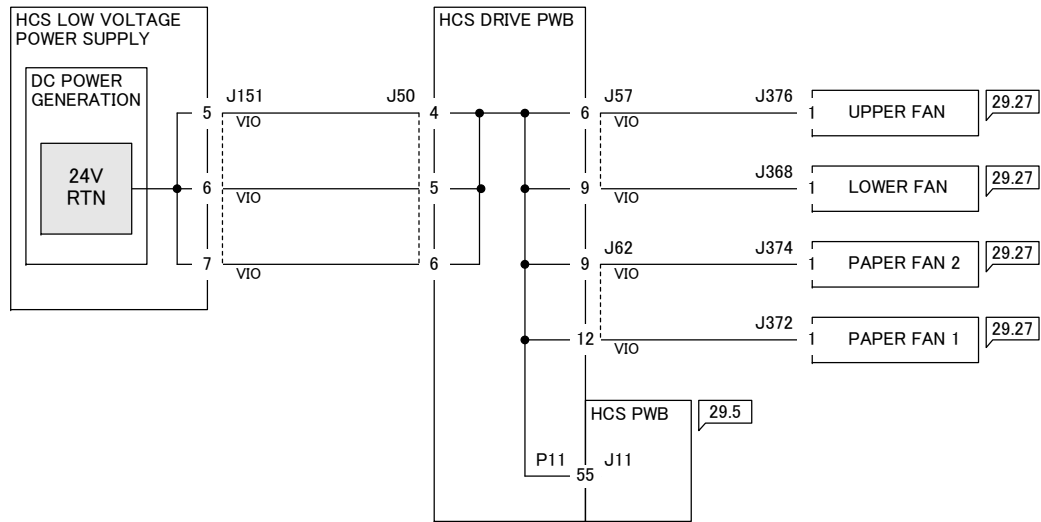
7.2.4.10 +24VDC-1



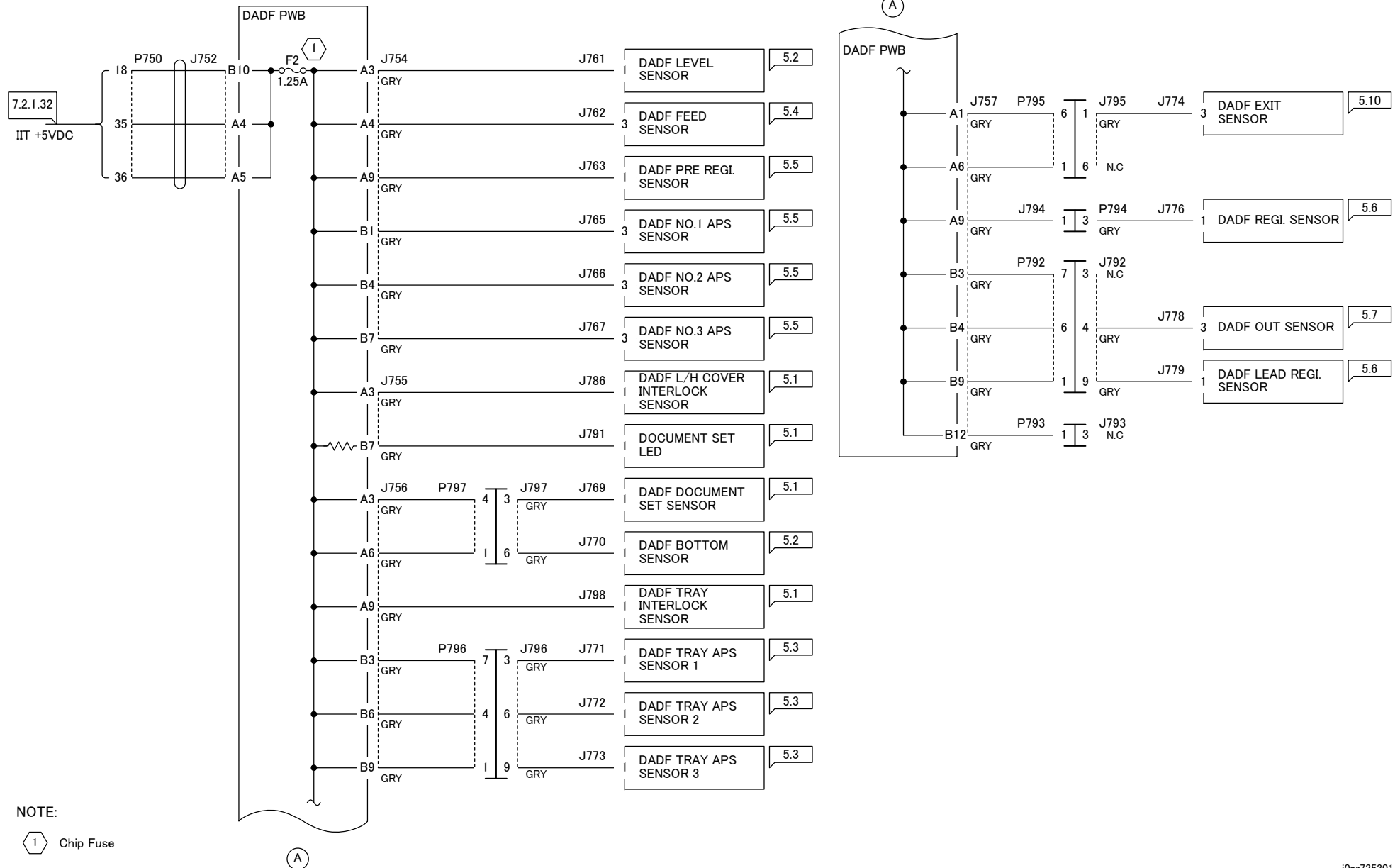
7.2.4.11 +24VDC-2



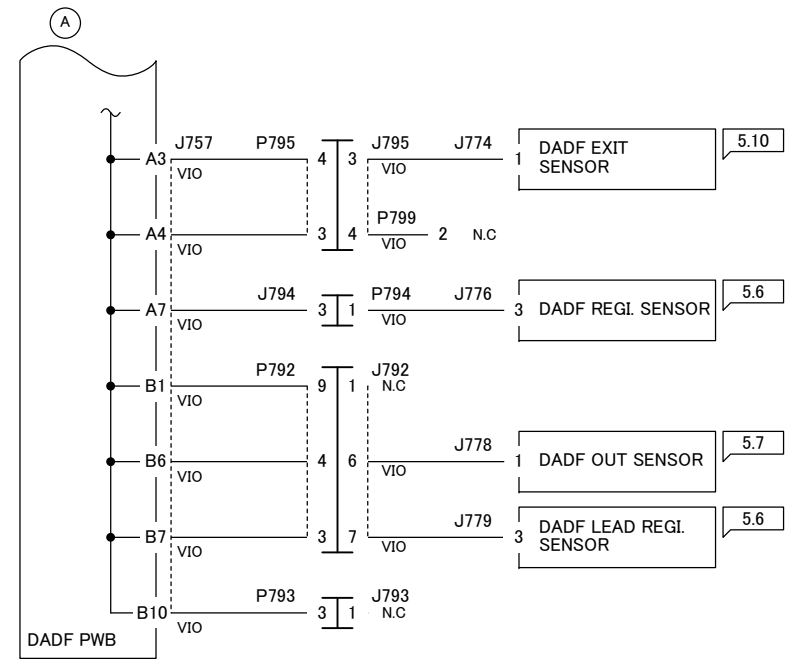
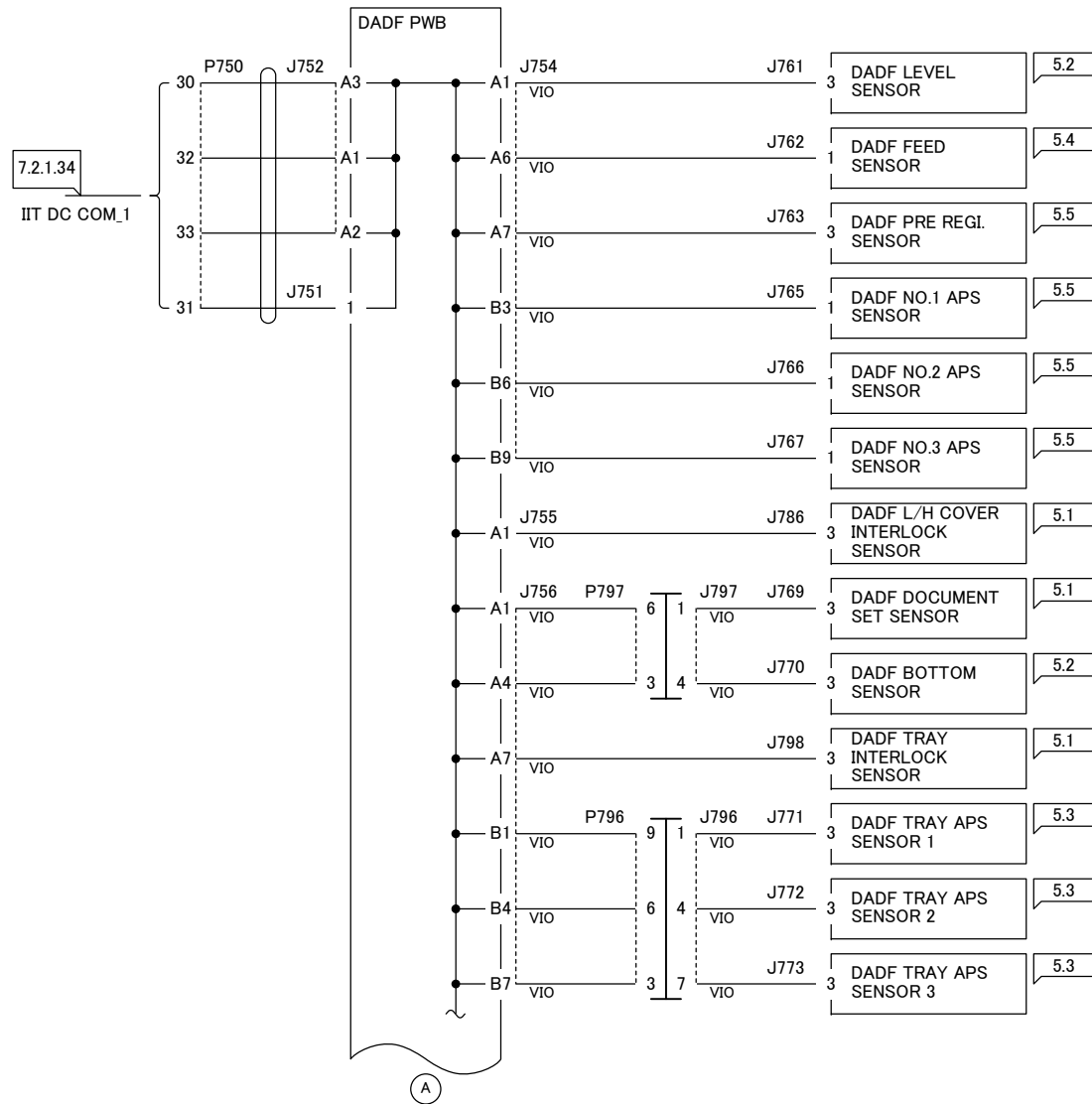
7.2.4.12 DC COM (24V RTN)



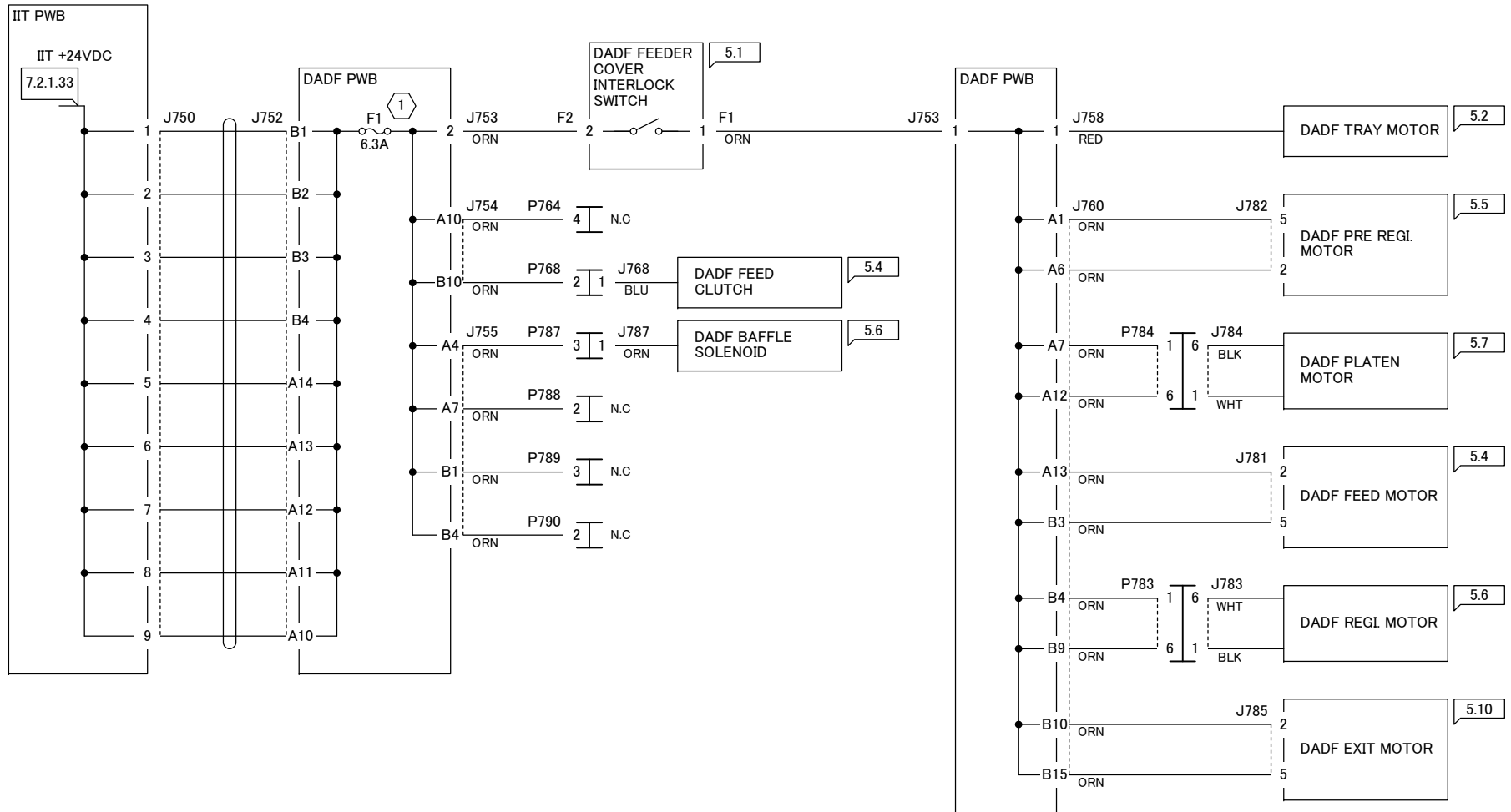
7.2.53.1 DADF 250 +5VDC



7.2.53.2 DADF 250 5V RTN



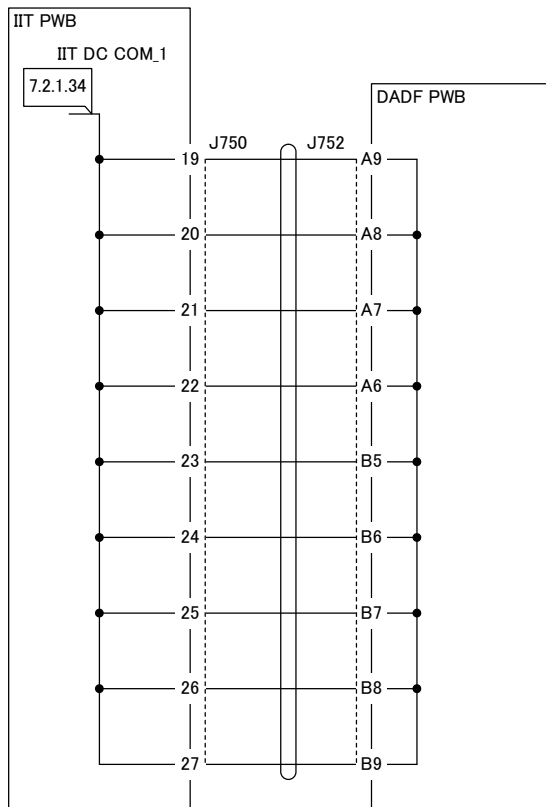
7.2.53.3 DADF 250 +24VDC



NOTE:

1 Chip Fuse

7.2.53.4 DADF 250 24V RTN



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7.3 BSD

7.3 BSD (Block Schematic Diagram)

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7.3 BSD (Block Schematic Diagram)


7.3.1 Preface


7.3.1.1 How to Use the BSDs


1. Enter the Chain specified in the Troubleshooting chapter.
2. Or enter the appropriate Chain, referring to the Contents.
3. Perform failure analysis in the Chain, using test data and the general procedures in the General chapter.
4. Once you have located the failure, go to the Parts List No. and/or Adjustment No. indicated for reference on the BSD.


 **Warning** Before installing or removing parts, switch off the main power switch and disconnect the power cord from the outlet to avoid possible electric shocks or injuries.


7.3.1.2 Explanation of Symbols


 Refers to the note that is usually on the same page.


 Refers to test data that is usually on the same page when the voltage value shown on the BSD is different from the measured value.


 Refers to the Parts List No. PL stands for Parts List. 7.7 refers to the Plate No. PL No. indicates that the part is listed on the specified plate. PL No. is shown for all the replaceable parts on the BSDs.


 Refers to the adjustment item(s) in the Disassembly, Assembly, and Adjustment chapter. 7.7.1 indicates that the adjustment procedure is described under the 7.7.1 section in the Disassembly, Assembly, and Adjustment chapter.


 Indicates a variable register that is adjustable in the field.


 Indicates a signal test point.


 Indicates where the input to a function originates. The example indicates that the input originates from group function 3 of Chain 1


 Indicates where the output from a function goes. The example indicates that the output goes to group function 1 of chain 6.


 Indicates that the signal line continues vertically.


 Indicates that the signal line continues horizontally.

 Indicates that the signal line goes to another zone in the same function. The example refers to zone E3.


 Indicates that the signal line goes back to another zone in the same function. The example refers to zone A4


 Indicates that the signal line goes to a zone in another sheet. The example refers to zone A2, CH8.5.


 Indicates that the signal line goes back to a zone in another sheet. The example refers to zone H4, CH8.5.

 Indicates a power line output from Chain 1.


 Indicates frame ground.


 Indicates a twisted pair of wires.


 Indicates that the signal goes from right to left, in the opposite direction to the normal direction.


 Indicates a feedback signal.


 Indicates a mechanical connection to a part.


 Indicates that a mechanical drive signal goes in the direction indicated.


 Indicates Control Logic.


 Indicates a double plug connector.


 Indicates a drawer connector.


 Indicates a shorting plug connector.


 Indicates that the fastener is used for connection.





 Indicates that an electrically conductive material such as a leaf spring and a plate is used for connection.

 Indicates that the symbol-pointed-to section has been modified to code 1V.

 Indicates the symbol-pointed-to section has not been modified to code 1V.

 Indicates that the whole figure or the framed illustration has information with 1V installed.

 Indicates that the whole figure or the framed illustration has information without 1V installed.

-  Indicates direction the air flows.
-  Indicates switch and is also used as Interlock Switch.
-  Indicates the Cheater type of Interlock Switch.
-  Indicates the Chip Fuse.

7.3.1.3 Signal Name

Signal name structure

- Input component

PAPER SENSED (L) +5VDC
 Operation state Logical value Voltage with signal (H)

The example indicates that when paper is sensed, this signal level is (L) and that otherwise, the signal level is (H) with the voltage +5VDC.

- Output components

ON (L) +24VDC
 Operation state Logical value Voltage with signal (H)

The example indicates that when the part is ON, the signal level is (L) and that when it is OFF, the signal level is (H) with the voltage +24VDC.

7.3.1.4 DC Voltage

A measurement of DC voltage is made between the particular test point and the frame unless otherwise specified by note and test data. The measured DC voltage is in the range below:

LVPS	Voltage	Level	Range
LVPS N09A	+5VDC STBY (Always On)	(H)	+4.87~+5.33VDC
	+5VDC SQ	(H)	+4.85~+5.35VDC
	+24VDC SQ	(H)	+23.28~+25.72VDC
IIT LVPS CC3	+24VDC SQ	(H)	+23.28~+25.72VDC

7.3.1.5 Other Descriptions

DC330 Input Component Voltage Level

The voltage levels (H/L) shown on the BSDs are the levels that are measured by the tester. Some of them are therefore different from H/L displayed on the UI panel.

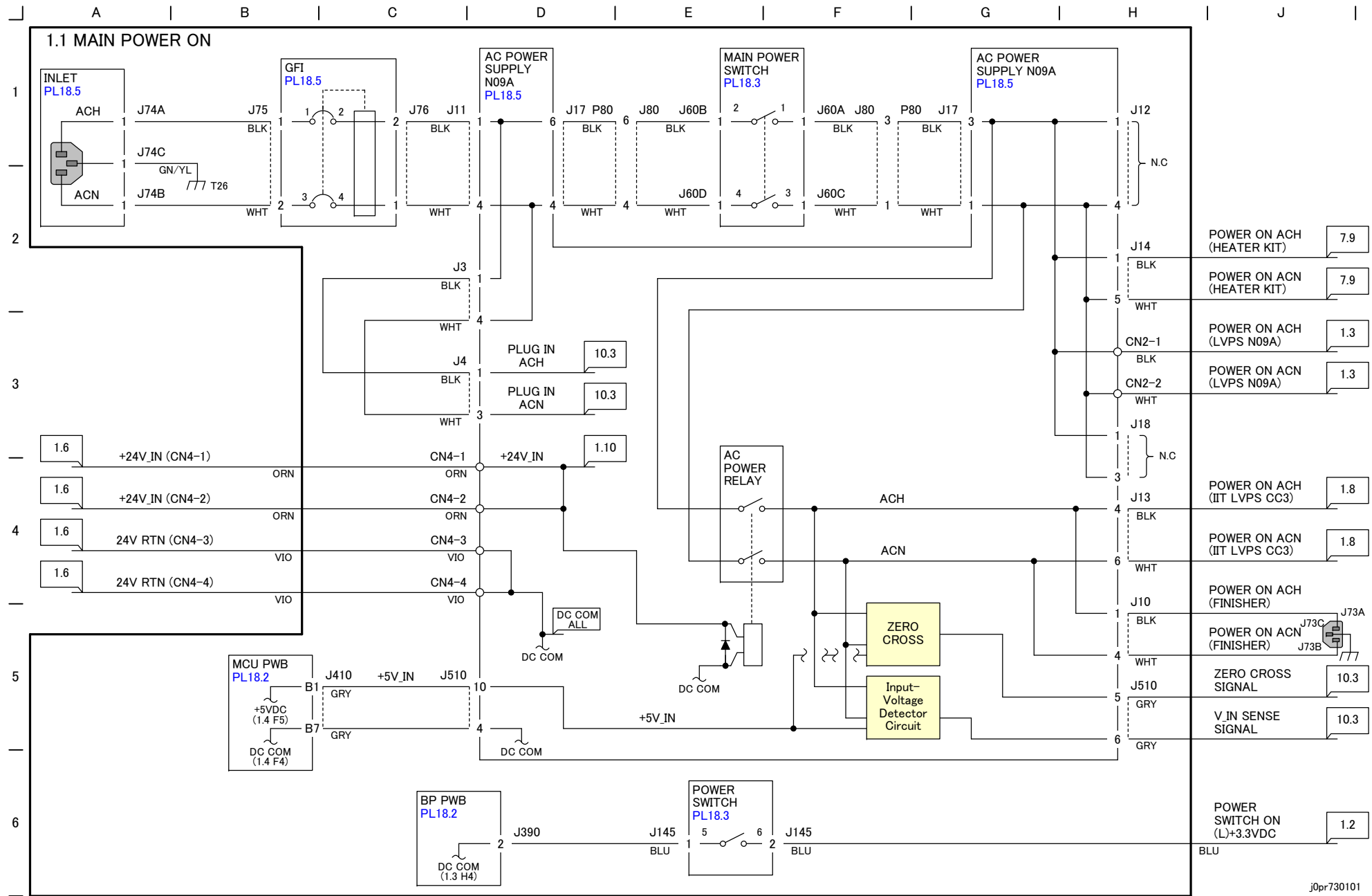
Wiring Color

Wires are distinguished by color in part of the BSDs for this model. The colors of wires are shown below the signal lines in their respective abbreviations listed below:

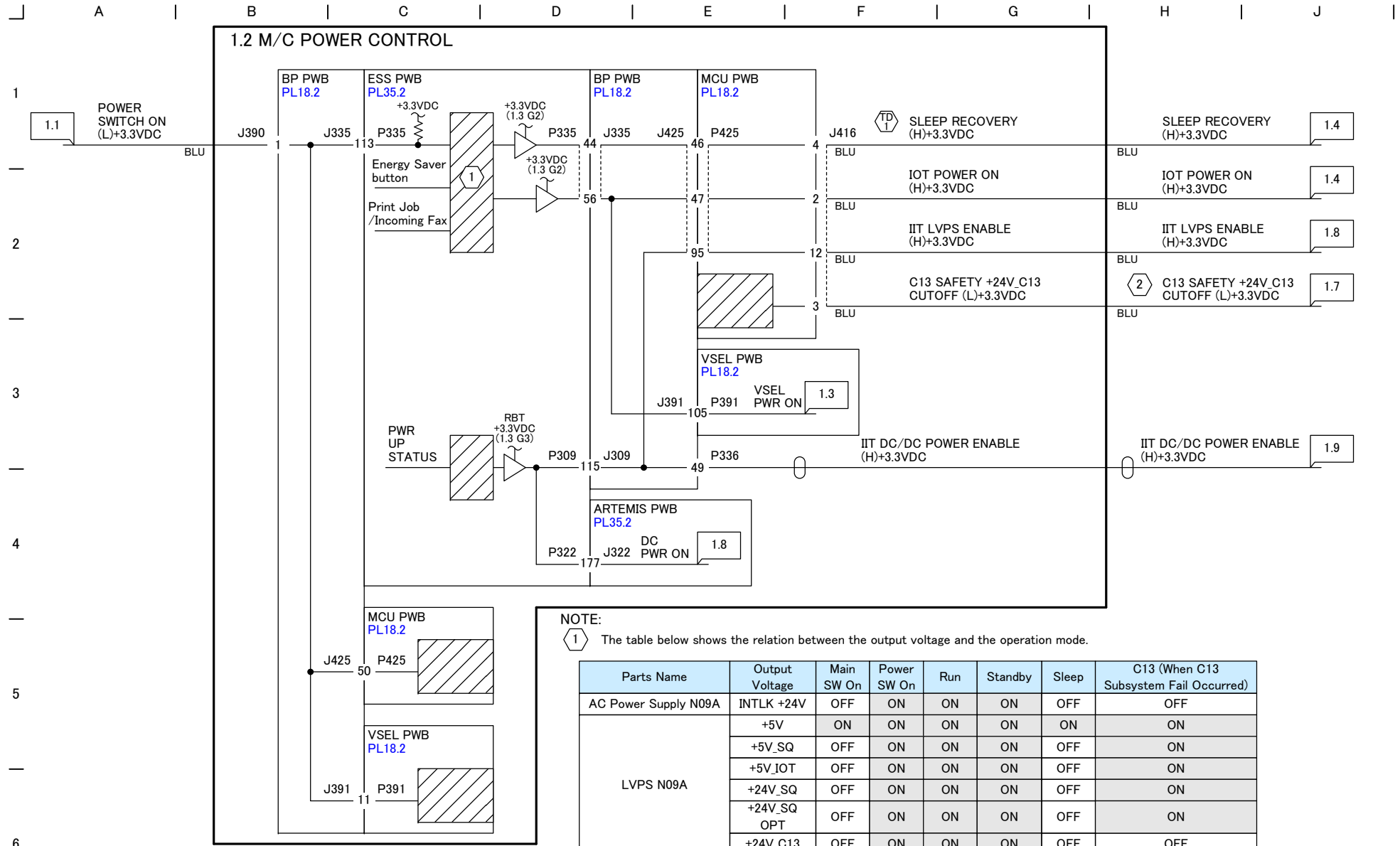
Abbreviation	Color
BRN	BROWN
RED	RED
ORN	ORANGE
YEL	YELLOW
GRN	GREEN
BLU	BLUE
VIO	VIOLET
GRY	GRAY
WHT	WHITE
BLK	BLACK
GRN/YEL	GREEN/YELLOW
PNK	PINK
SKY	SKY

Figures on the BSDs

The grayed-out portion of the figure shows the path from Motor or Solenoid to parts to drive.



j0pr730101



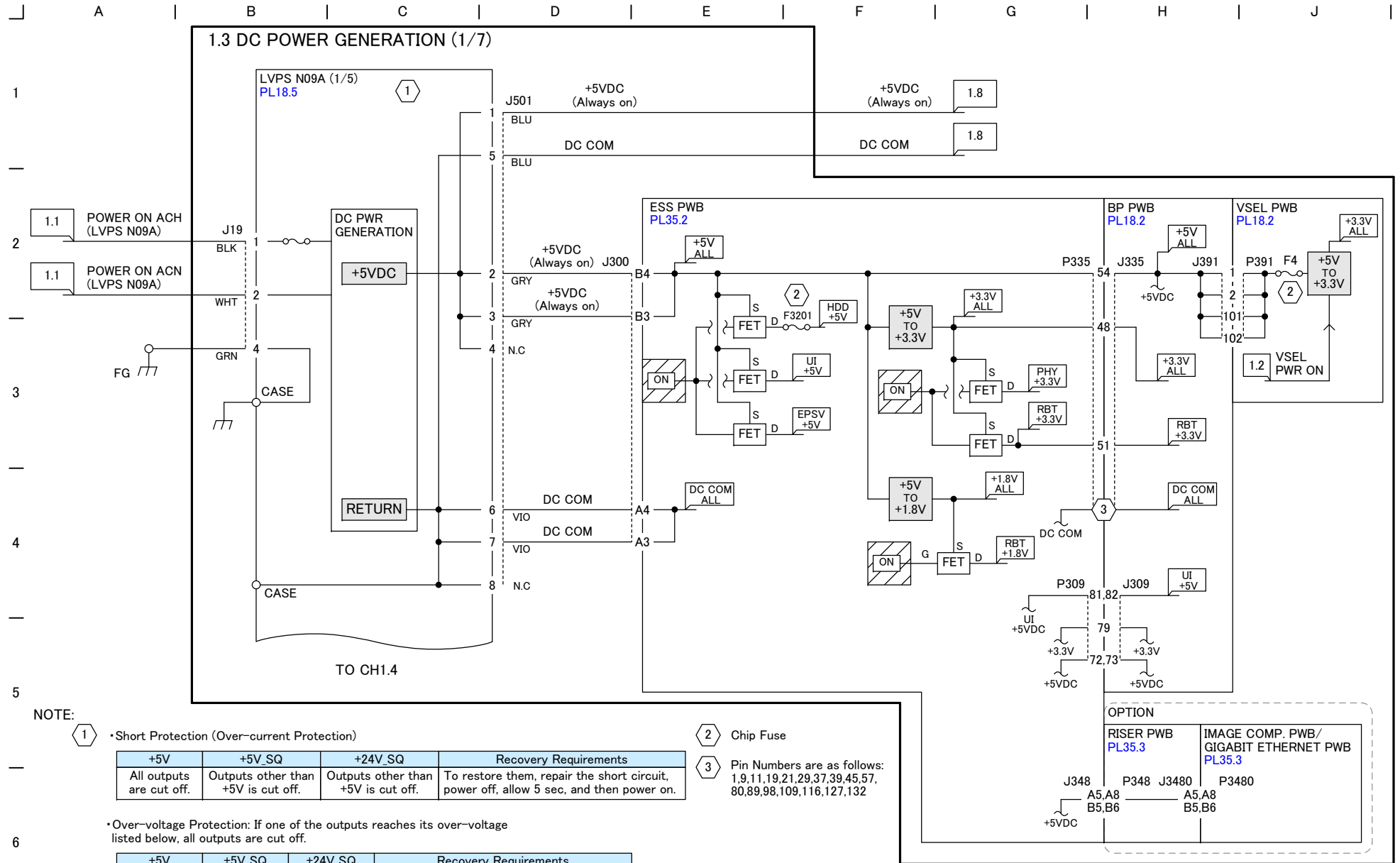
NOTE:

1 The table below shows the relation between the output voltage and the operation mode.

Parts Name	Output Voltage	Main SW On	Power SW On	Run	Standby	Sleep	C13 (When C13 Subsystem Fail Occurred)
AC Power Supply N09A	INTLK +24V	OFF	ON	ON	ON	OFF	OFF
LVPS N09A	+5V	ON	ON	ON	ON	ON	ON
	+5V_SQ	OFF	ON	ON	ON	OFF	ON
	+5V_IOT	OFF	ON	ON	ON	OFF	ON
	+24V_SQ	OFF	ON	ON	ON	OFF	ON
	+24V_SQ OPT	OFF	ON	ON	ON	OFF	ON
	+24V_C13	OFF	ON	ON	ON	OFF	OFF

Test Point: MCU PWB J416-4(+) to GND(-)
When Power Switch is turned On, approx. +2.84VDC

2 To conform to C13, a new in-house standard, this signal stops +24VDC output when Sub System Fail occurs.



NOTE:

① • Short Protection (Over-current Protection)

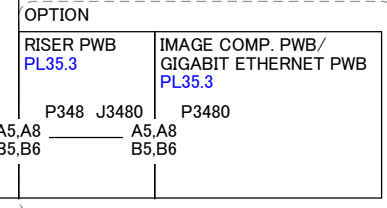
+5V	+5V_SQ	+24V_SQ	Recovery Requirements
All outputs are cut off.	Outputs other than +5V is cut off.	Outputs other than +5V is cut off.	To restore them, repair the short circuit, power off, allow 5 sec, and then power on.

② Chip Fuse

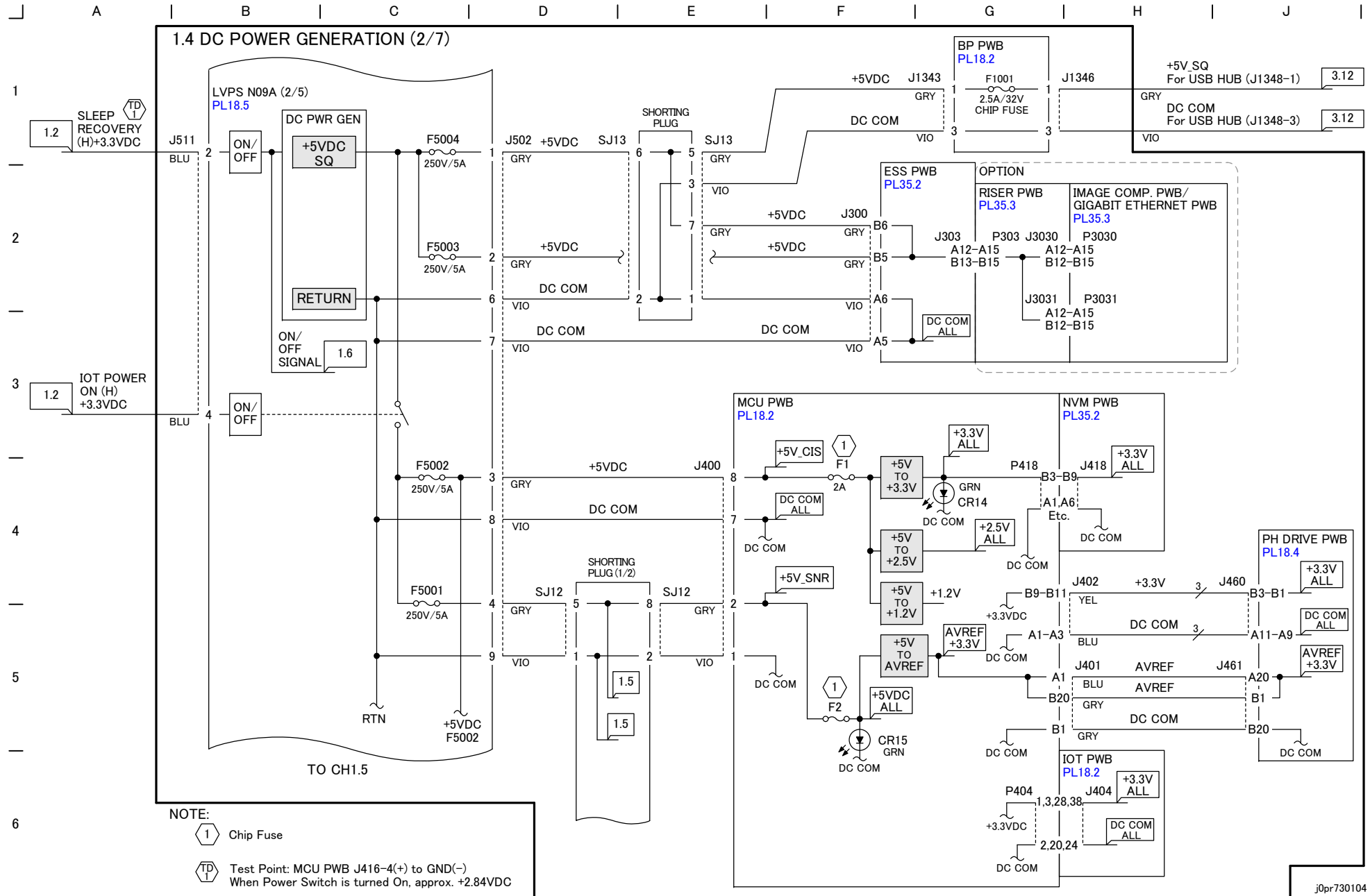
③ Pin Numbers are as follows:
1,9,11,19,21,29,37,39,45,57,
80,89,98,109,116,127,132

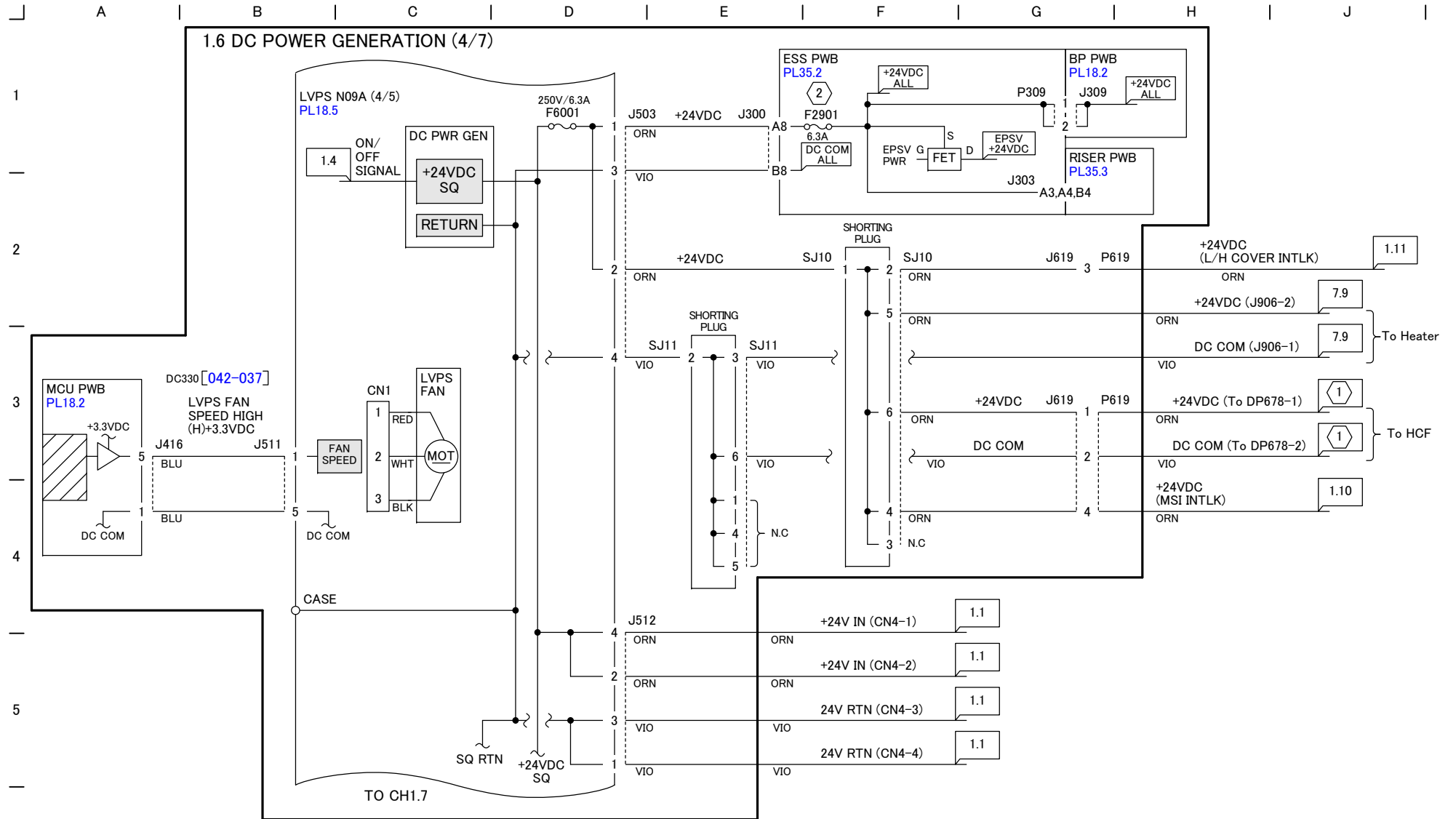
• Over-voltage Protection: If one of the outputs reaches its over-voltage listed below, all outputs are cut off.

+5V	+5V_SQ	+24V_SQ	Recovery Requirements
6~9V	6~9V	28~32V	Confirm that no damage has been incurred, power off, allow 5 sec, and then power on.

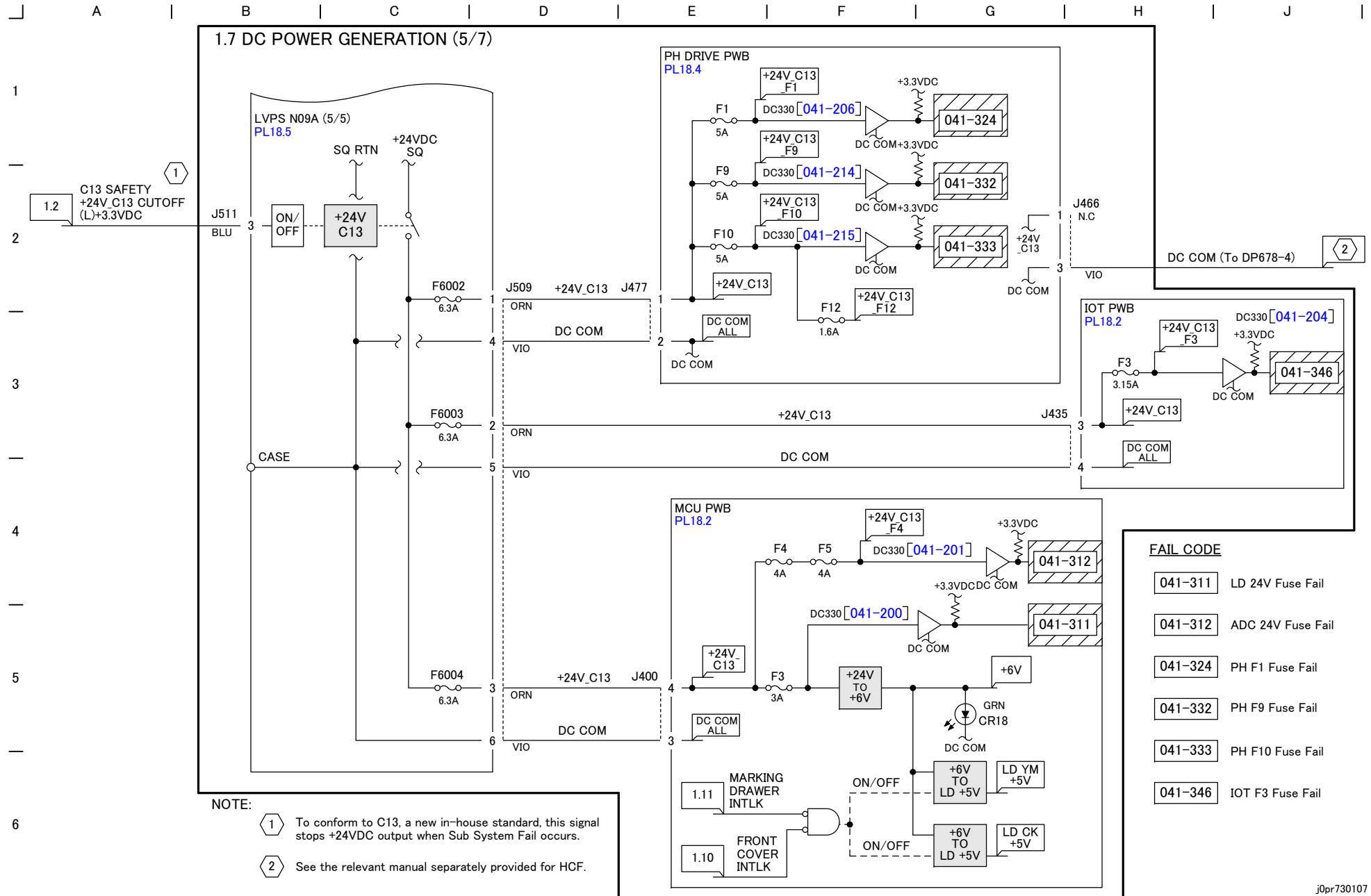


j0pr730103

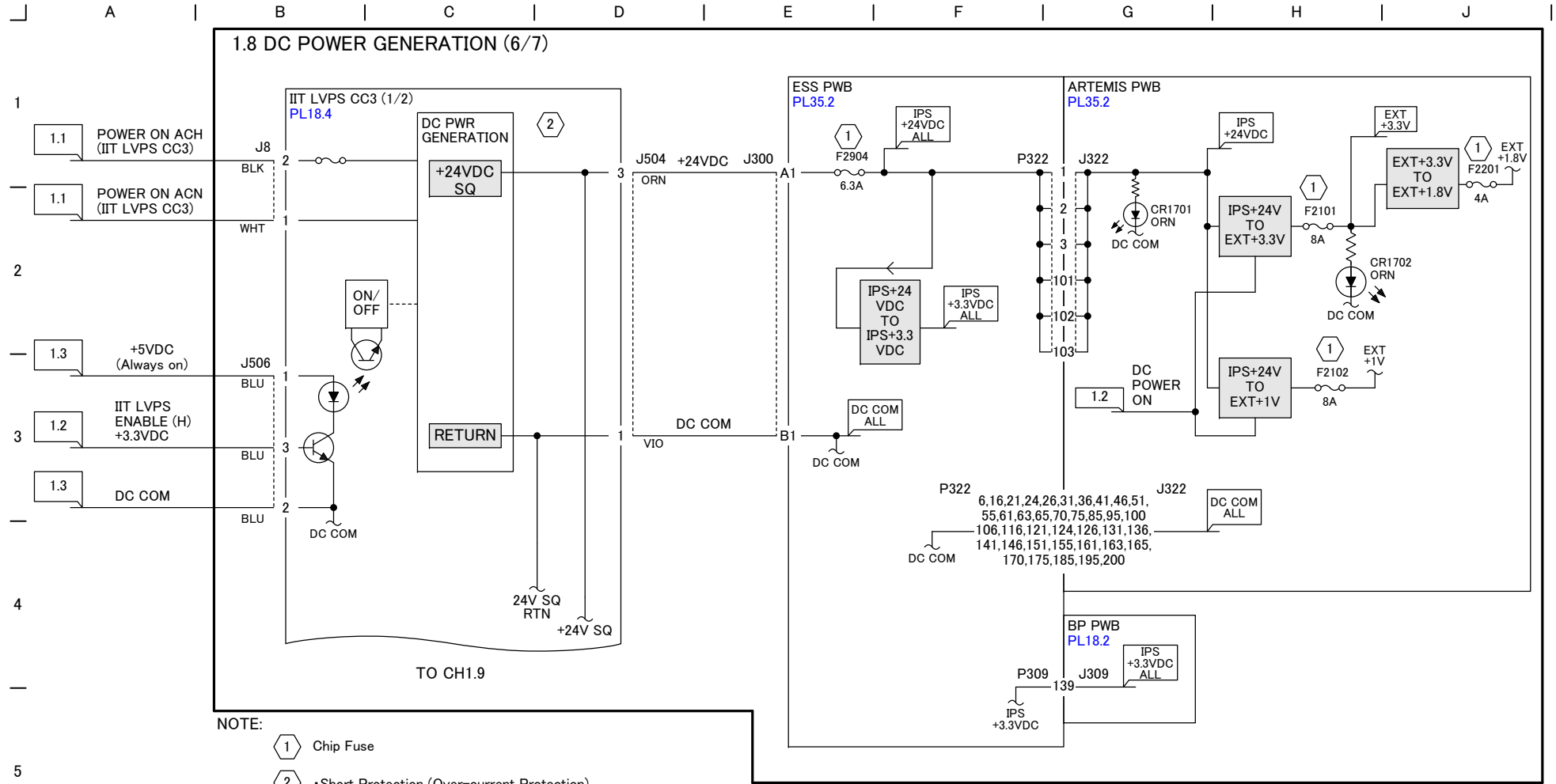




NOTE: (1) See the relevant manual separately provided for HCF. (2) Chip Fuse



j0pr730107



NOTE:

① Chip Fuse

② •Short Protection (Over-current Protection)

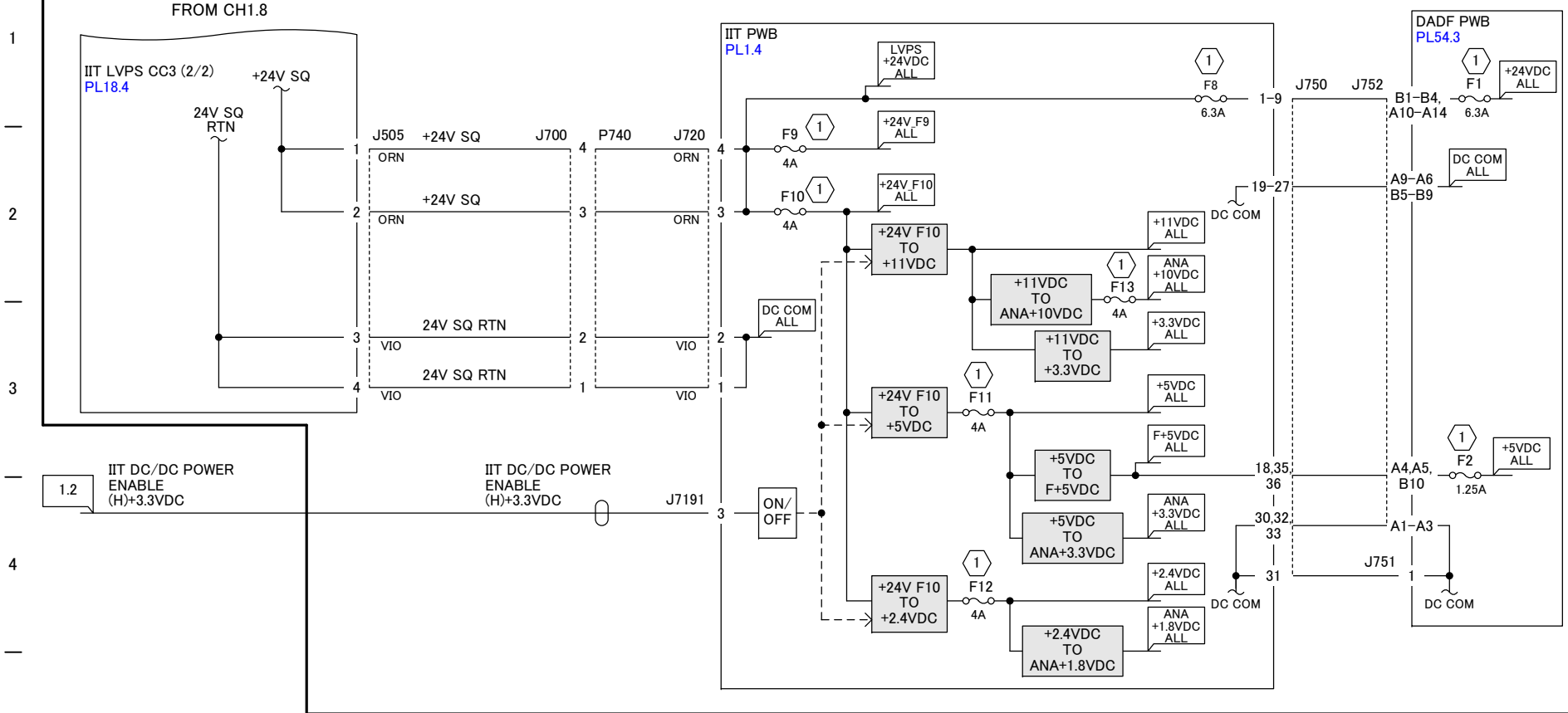
+24VDC	Recovery Requirements
Output cut-off	To restore them, repair the short circuit, power off, allow 15 sec, and then power on.

•Over-voltage Protection: If one of the outputs reaches its over-voltage listed below, all outputs are cut off.

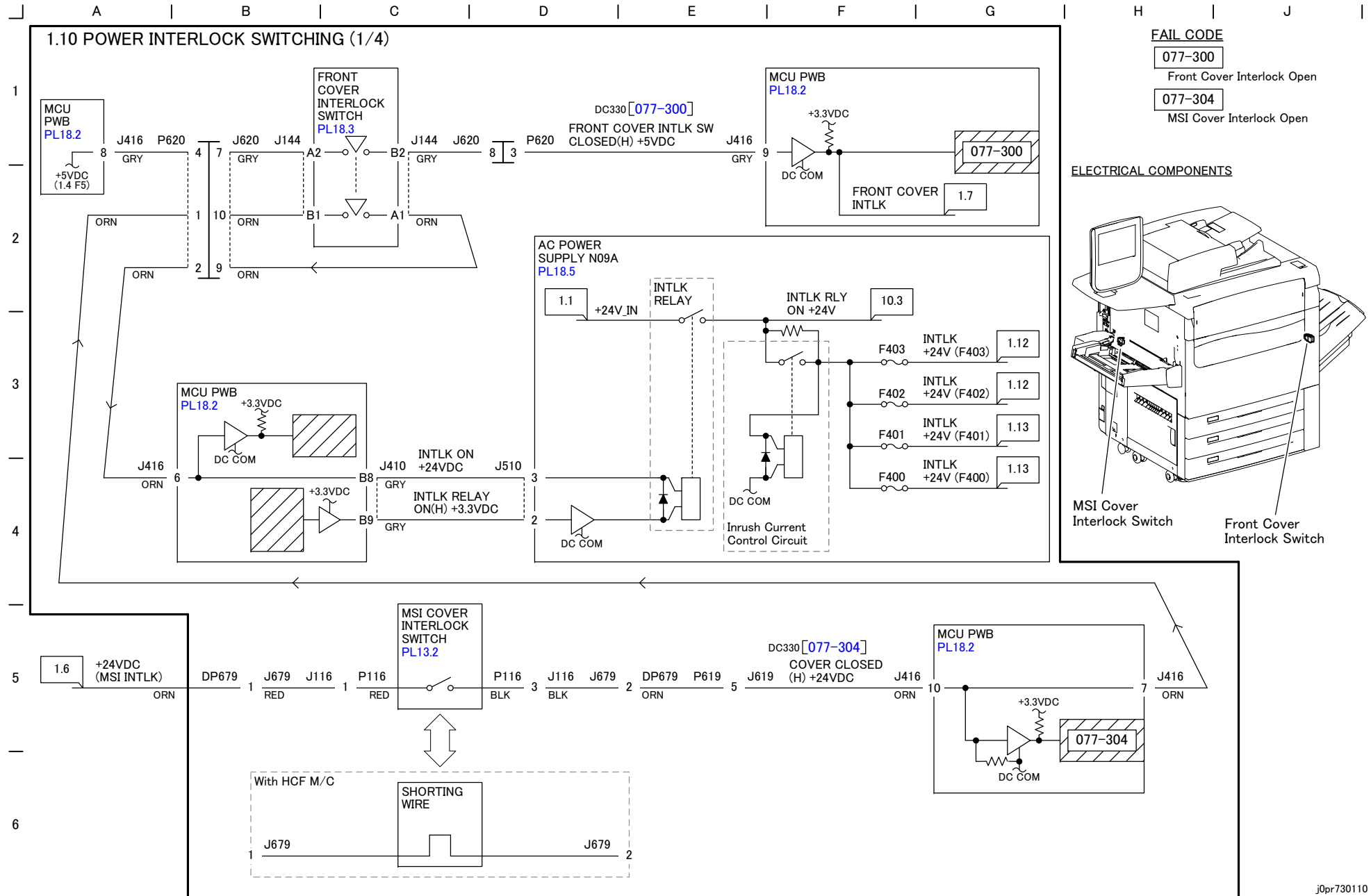
+24VDC	Recovery Requirements
26.7~32V	Confirm that no damage has been incurred, power off, allow 15 sec, and then power on.

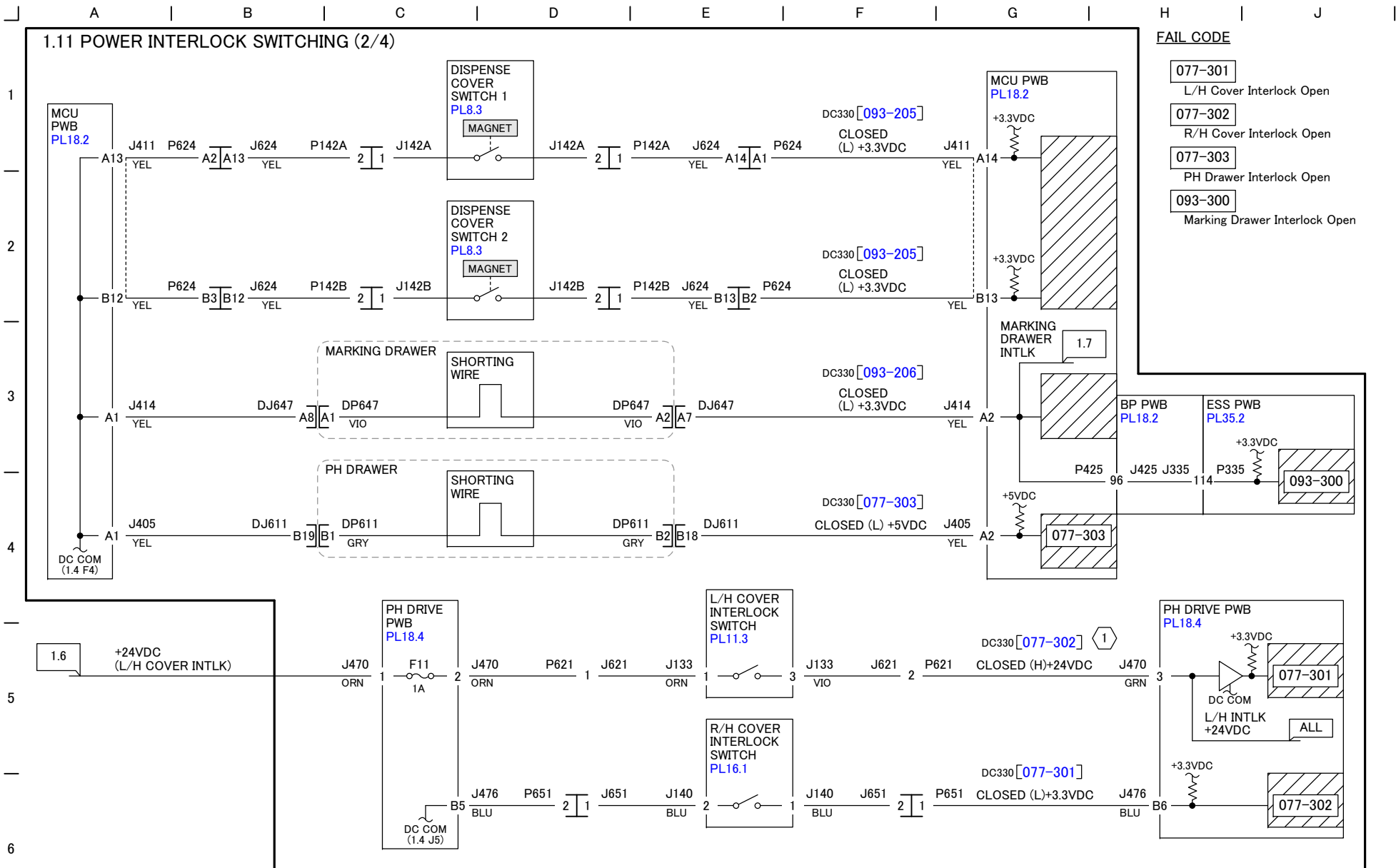
A | B | C | D | E | F | G | H | J

1.9 DC POWER GENERATION (7/7)



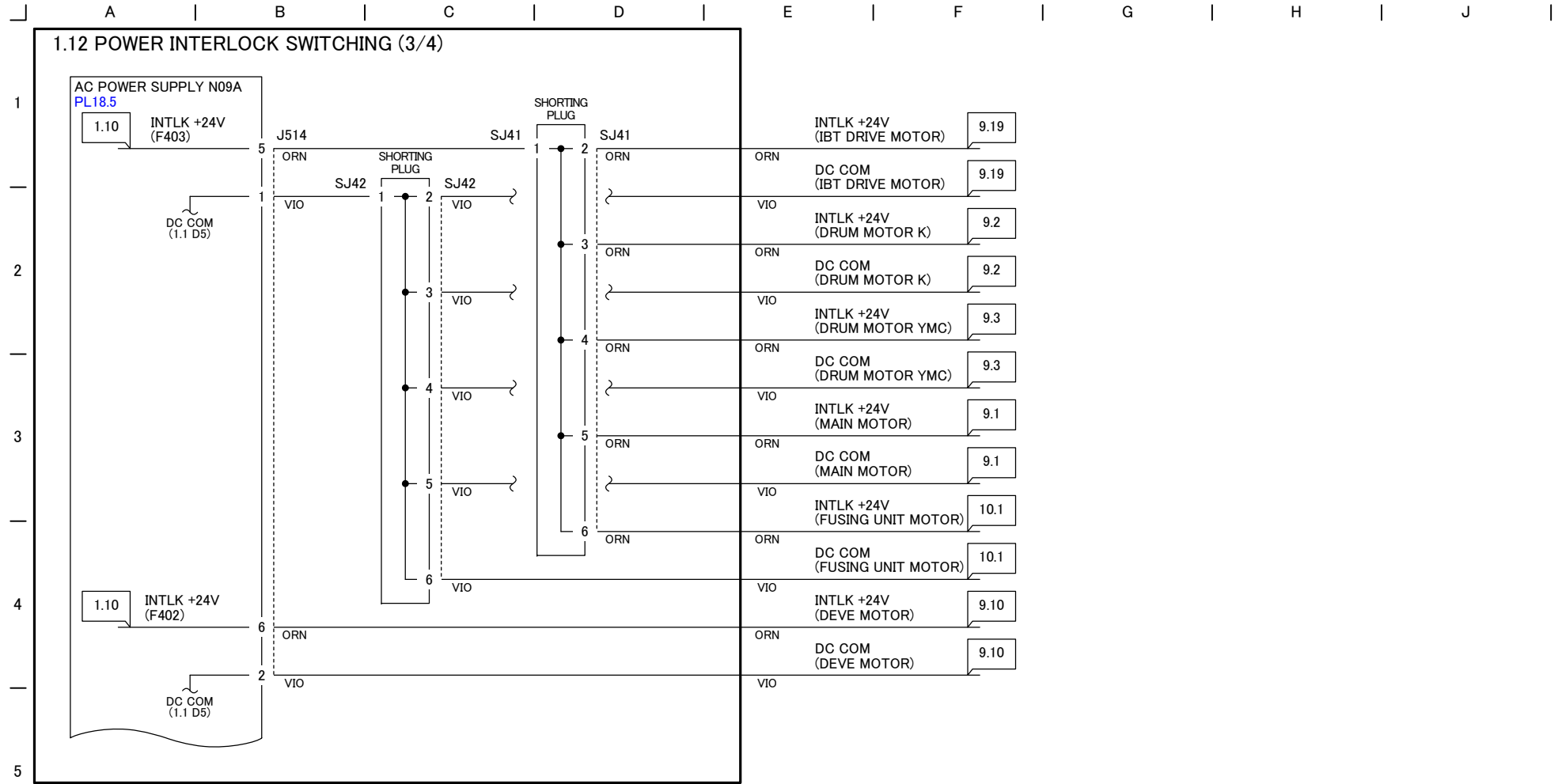
NOTE:
 Chip Fuse



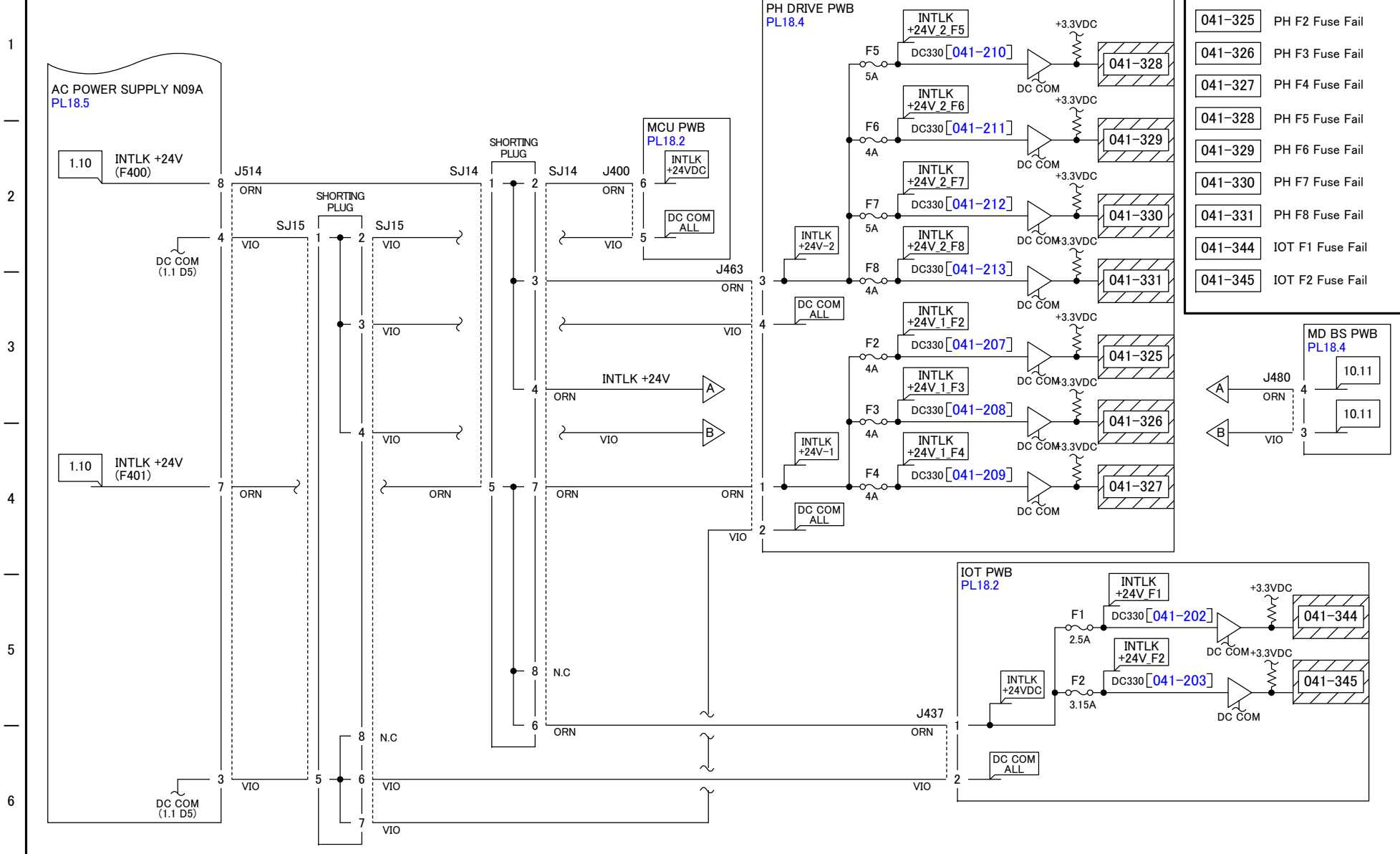


- FAIL CODE**
- 077-301 L/H Cover Interlock Open
 - 077-302 R/H Cover Interlock Open
 - 077-303 PH Drawer Interlock Open
 - 093-300 Marking Drawer Interlock Open

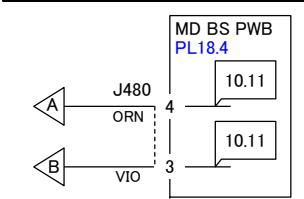
NOTE: 1 Actual voltage level is opposite to H/L displayed on UI for this diag code. On BSD the actual volt level is shown.



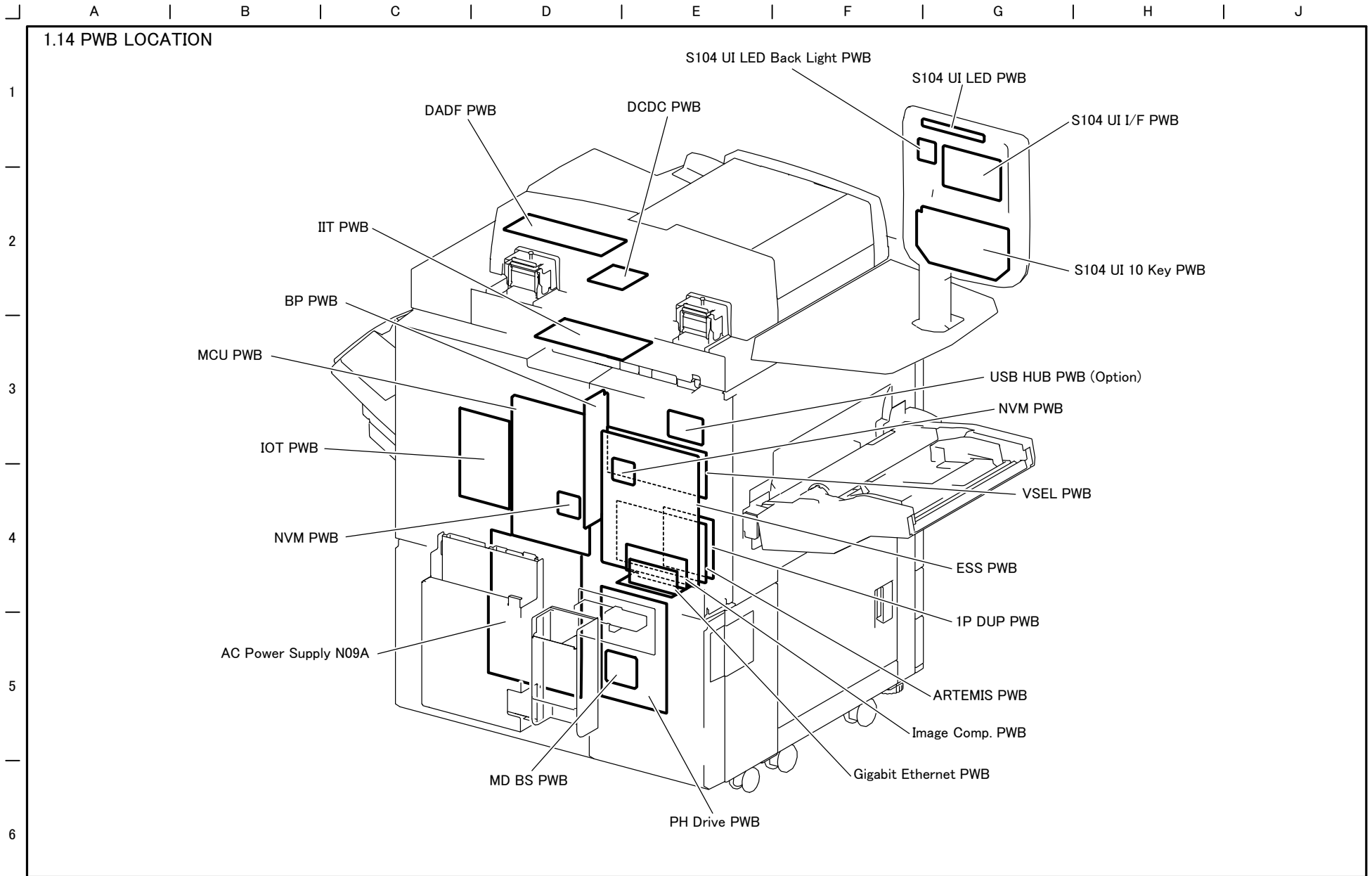
1.13 POWER INTERLOCK SWITCHING (4/4)

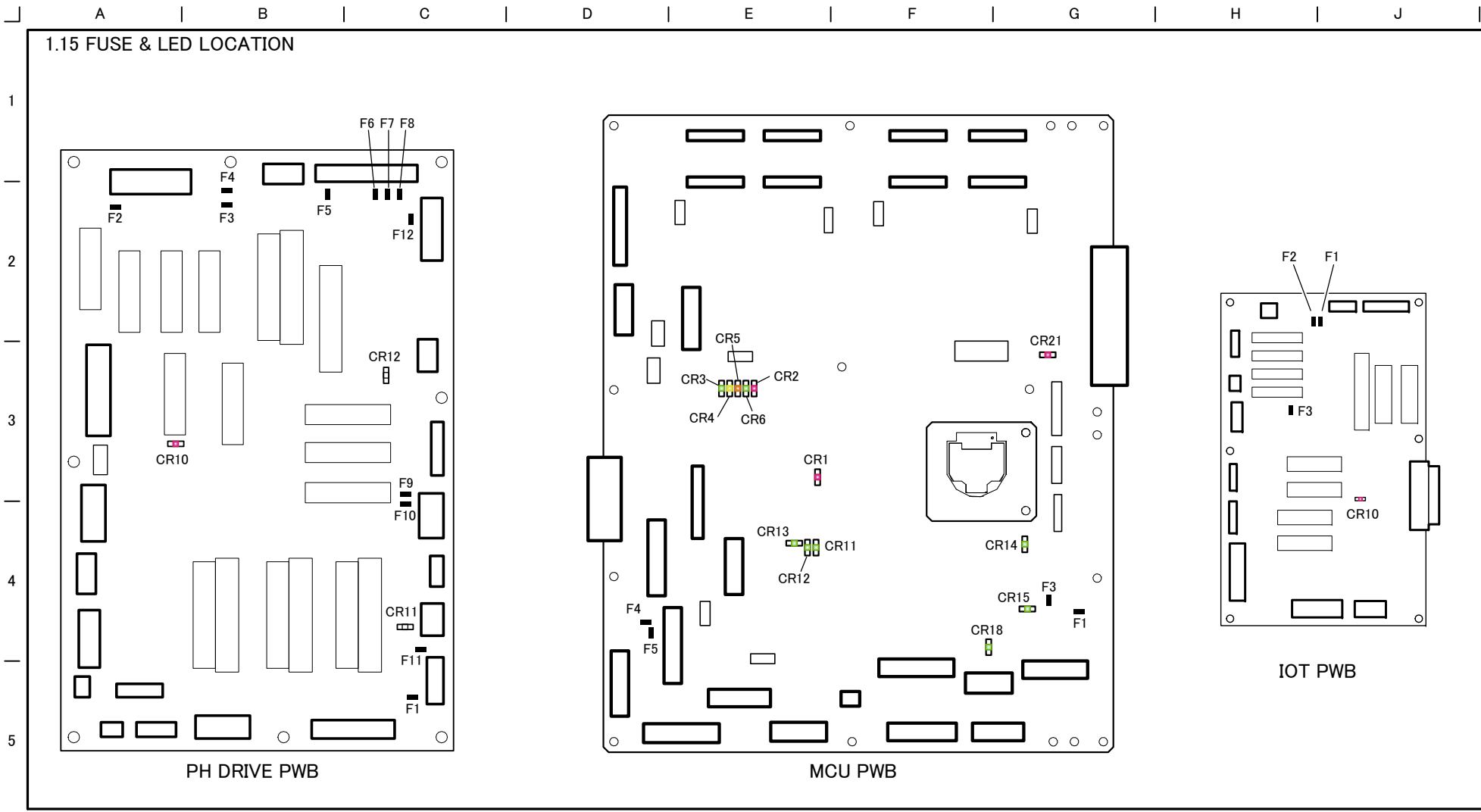


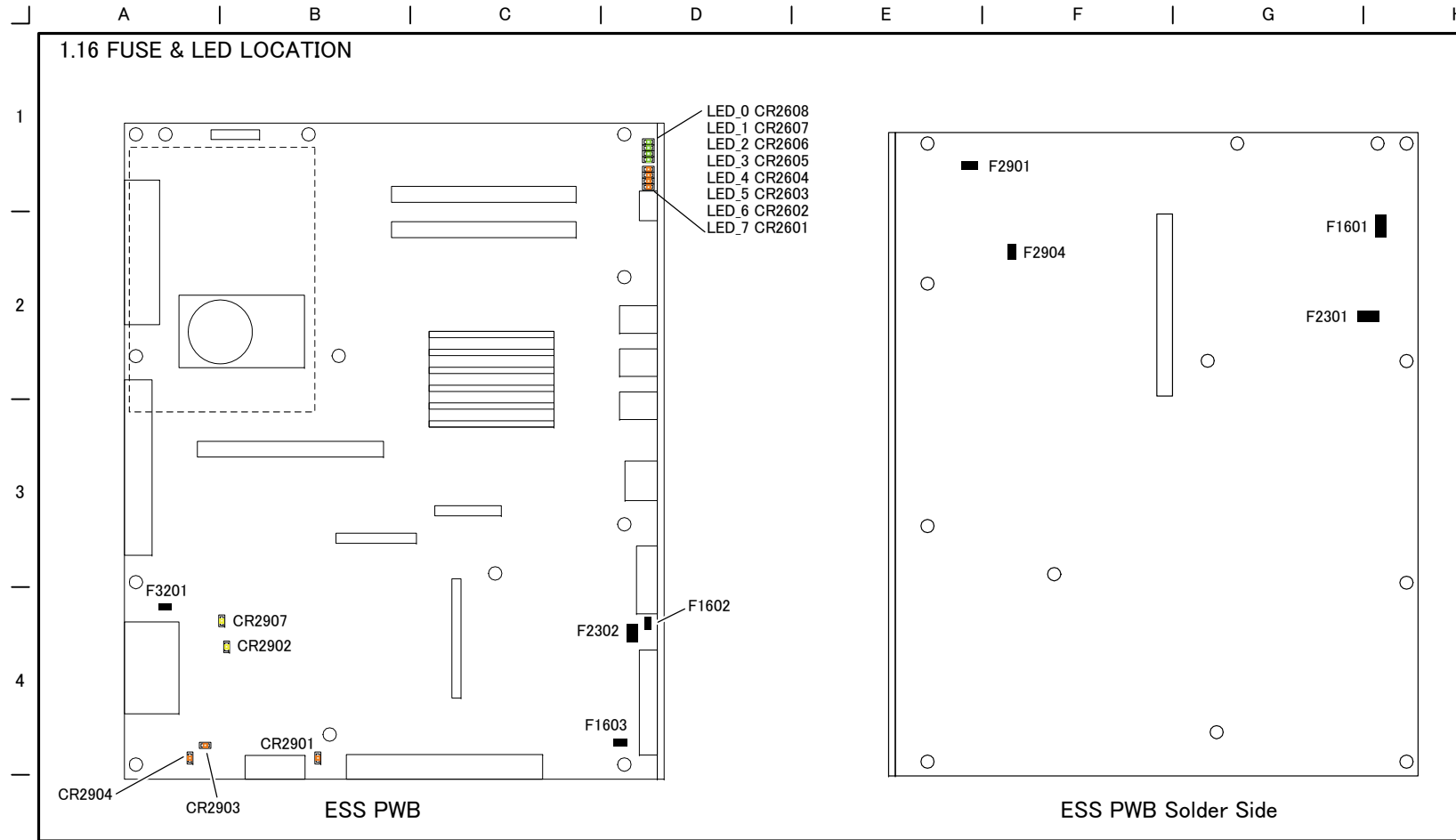
FAIL CODE	
041-325	PH F2 Fuse Fail
041-326	PH F3 Fuse Fail
041-327	PH F4 Fuse Fail
041-328	PH F5 Fuse Fail
041-329	PH F6 Fuse Fail
041-330	PH F7 Fuse Fail
041-331	PH F8 Fuse Fail
041-344	IOT F1 Fuse Fail
041-345	IOT F2 Fuse Fail



j0pr730113



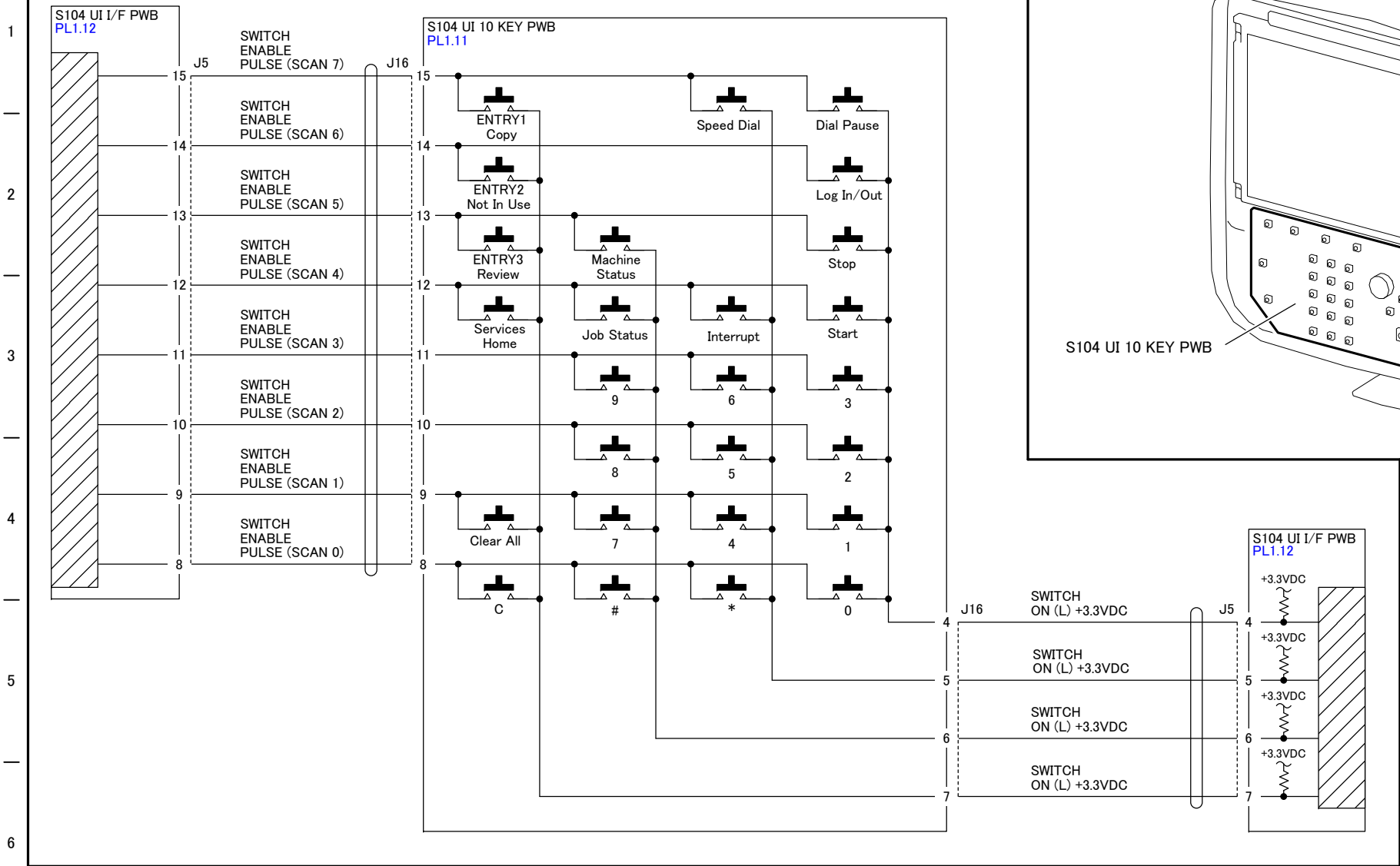


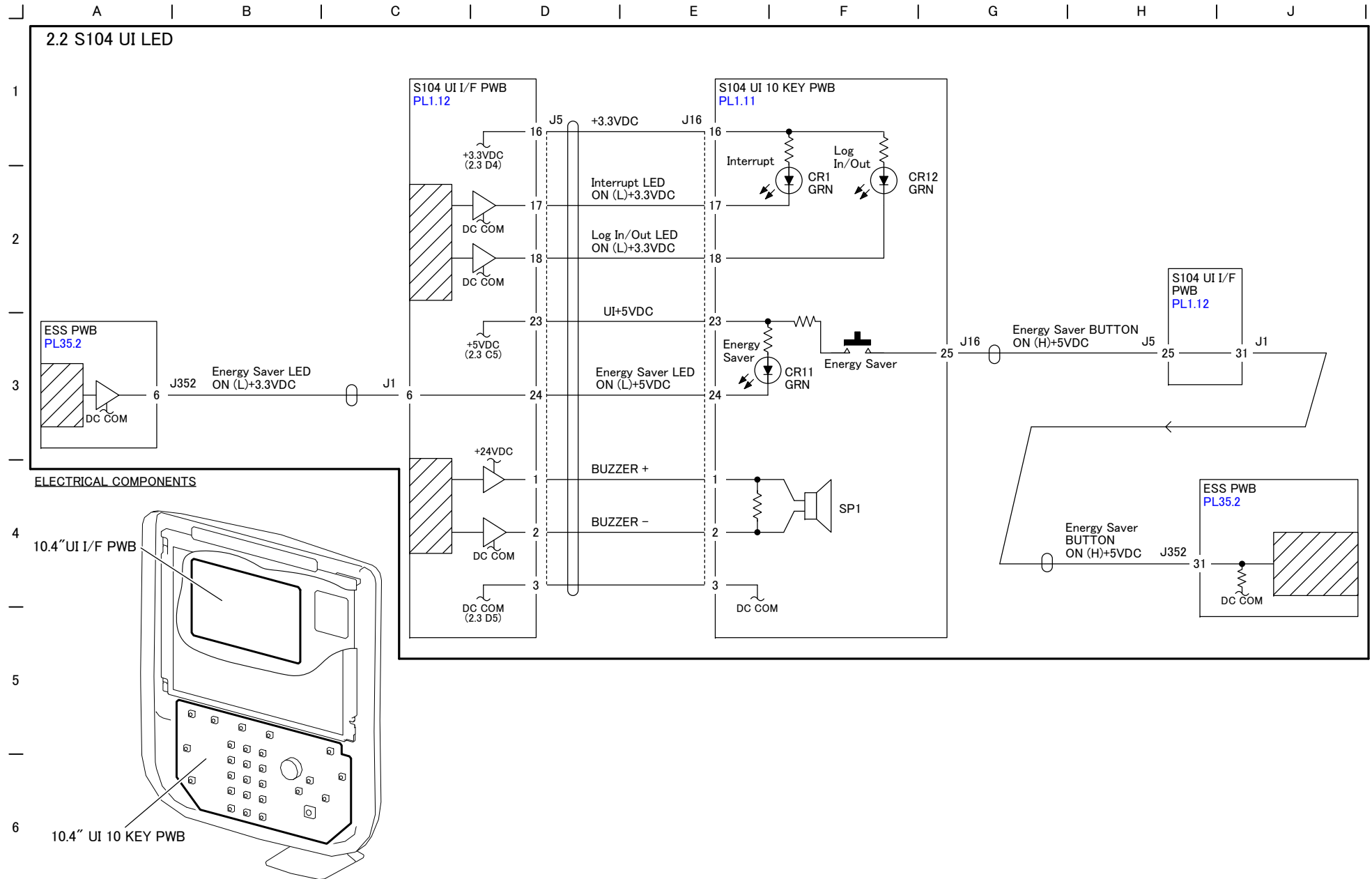


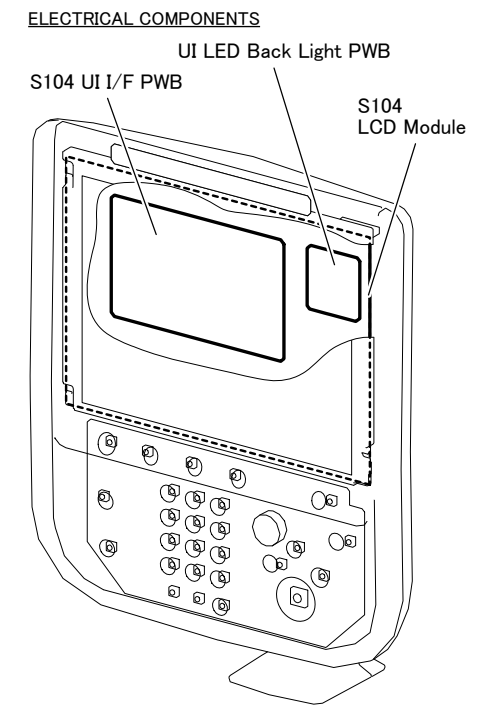
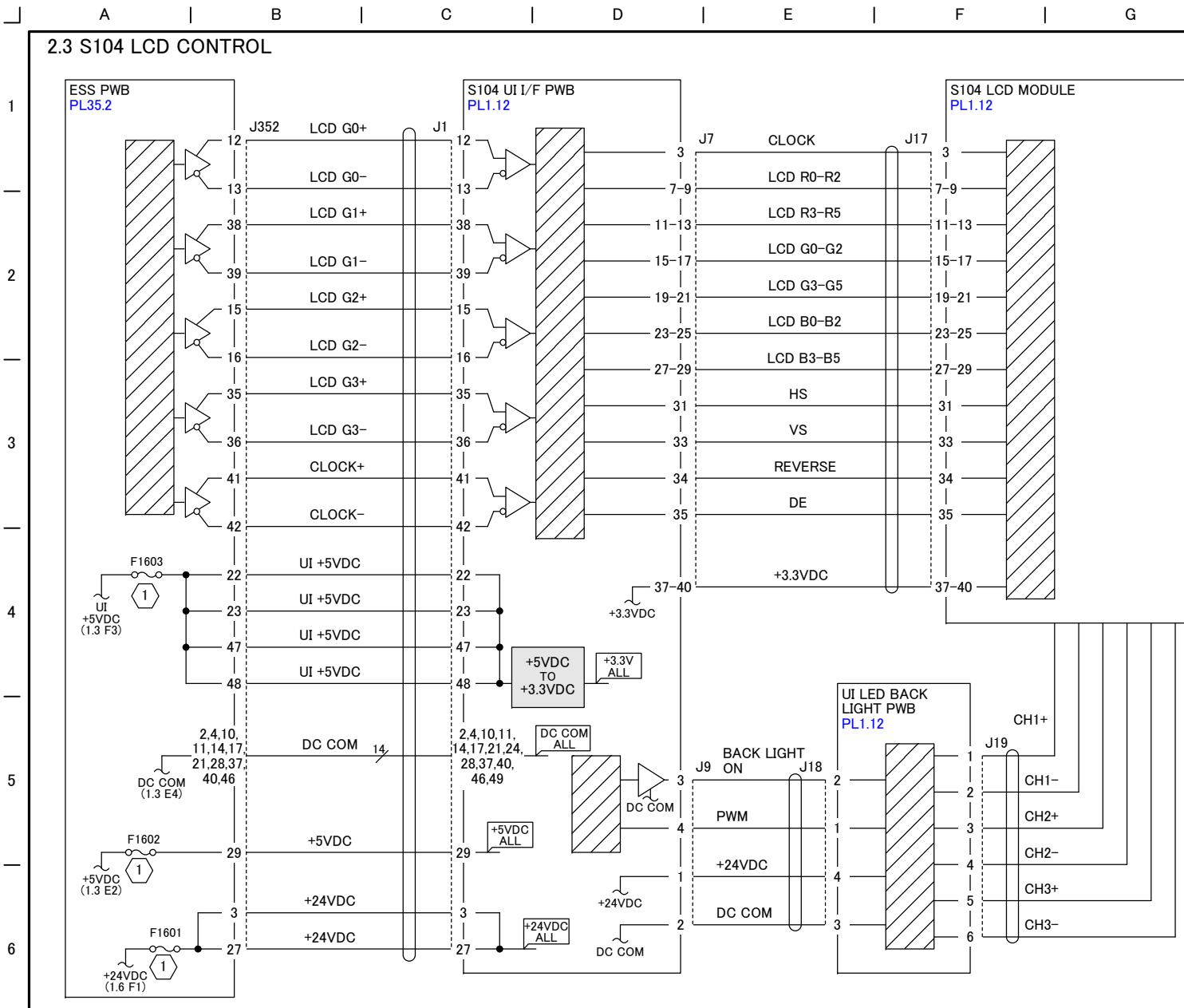
5

6

2.1 S104 UI SWITCHES

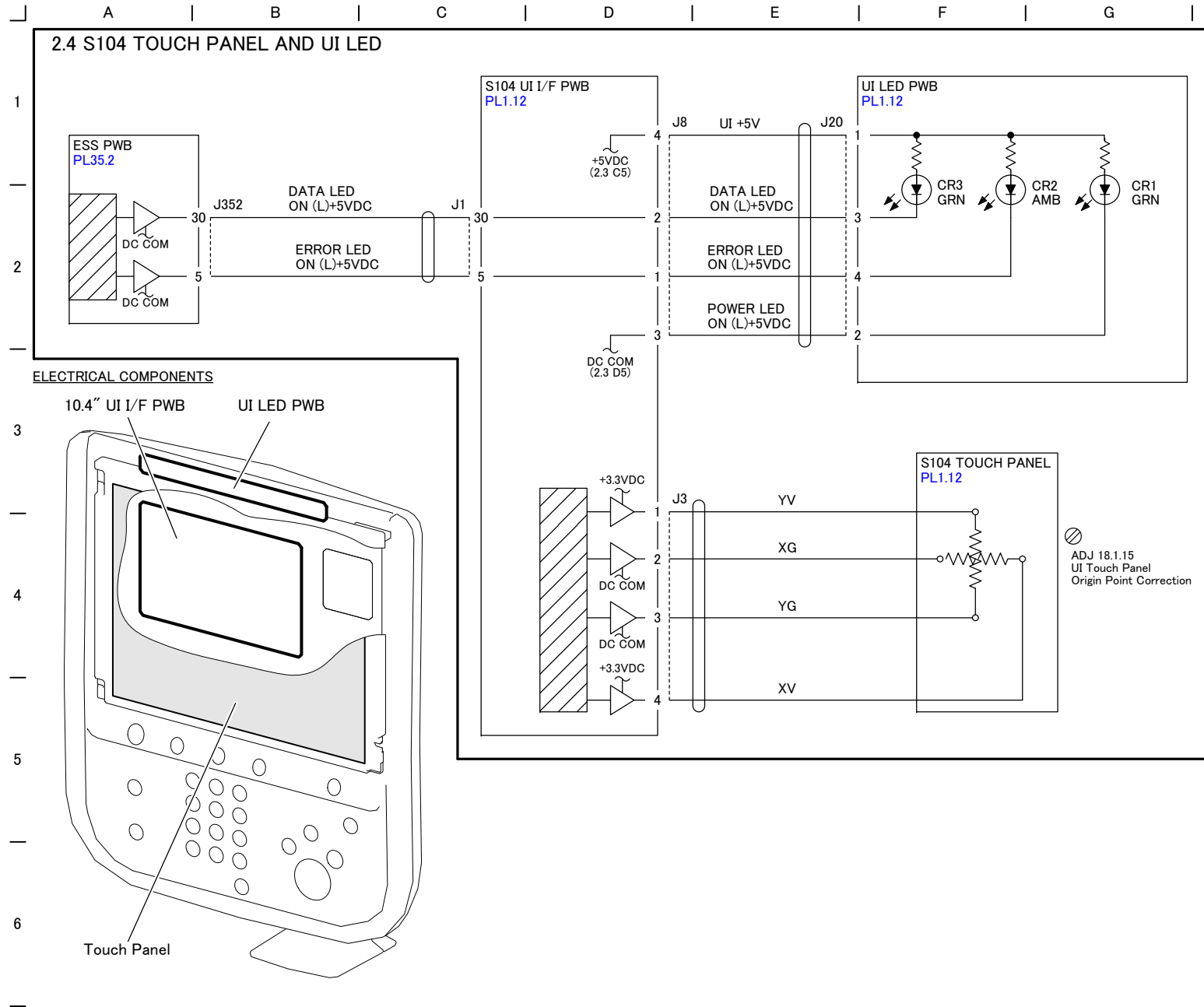




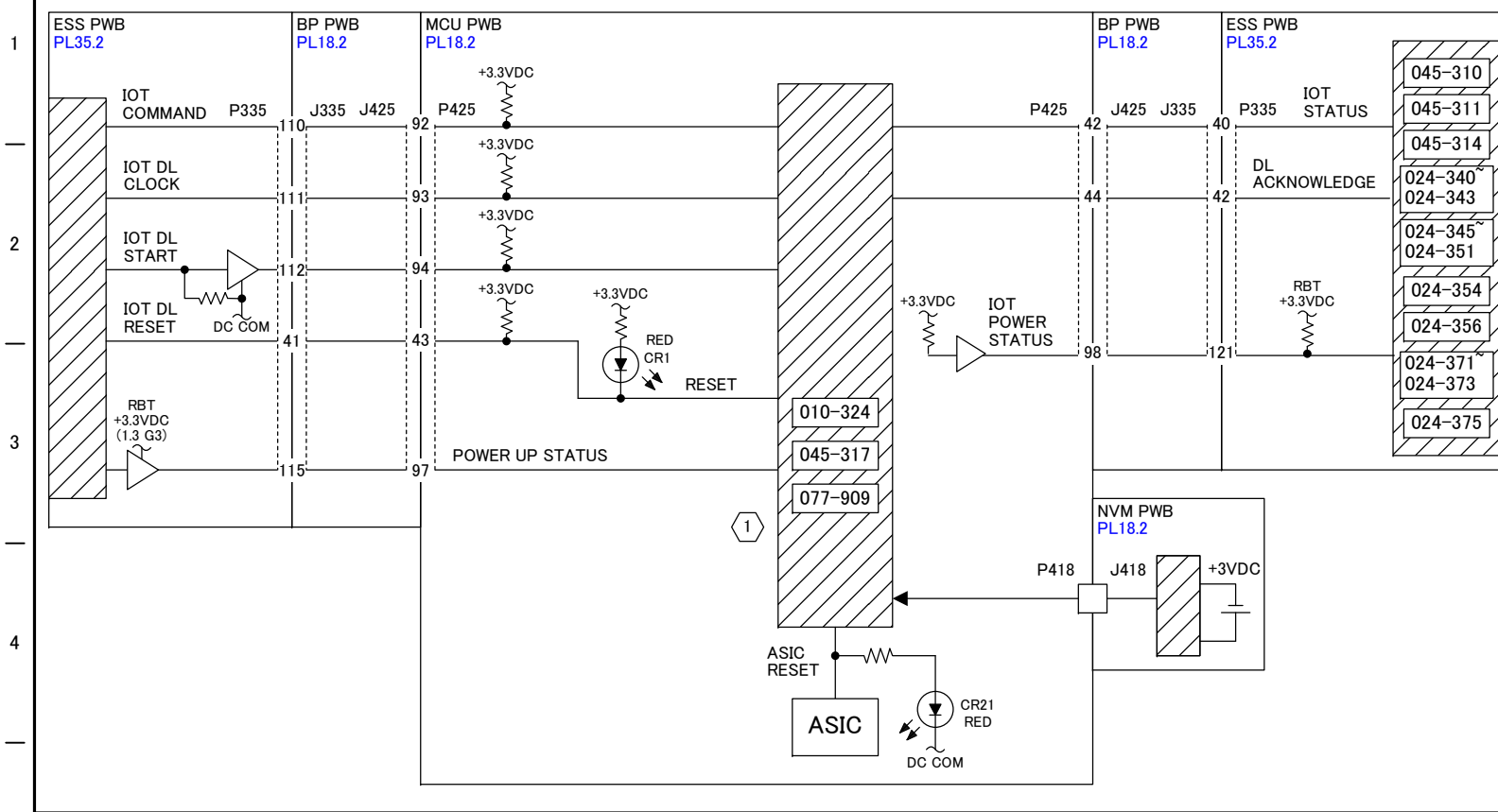


NOTE: Chip Fuse

j0pr730203



3.1 PWBS COMMUNICATION (ESS-MCU)

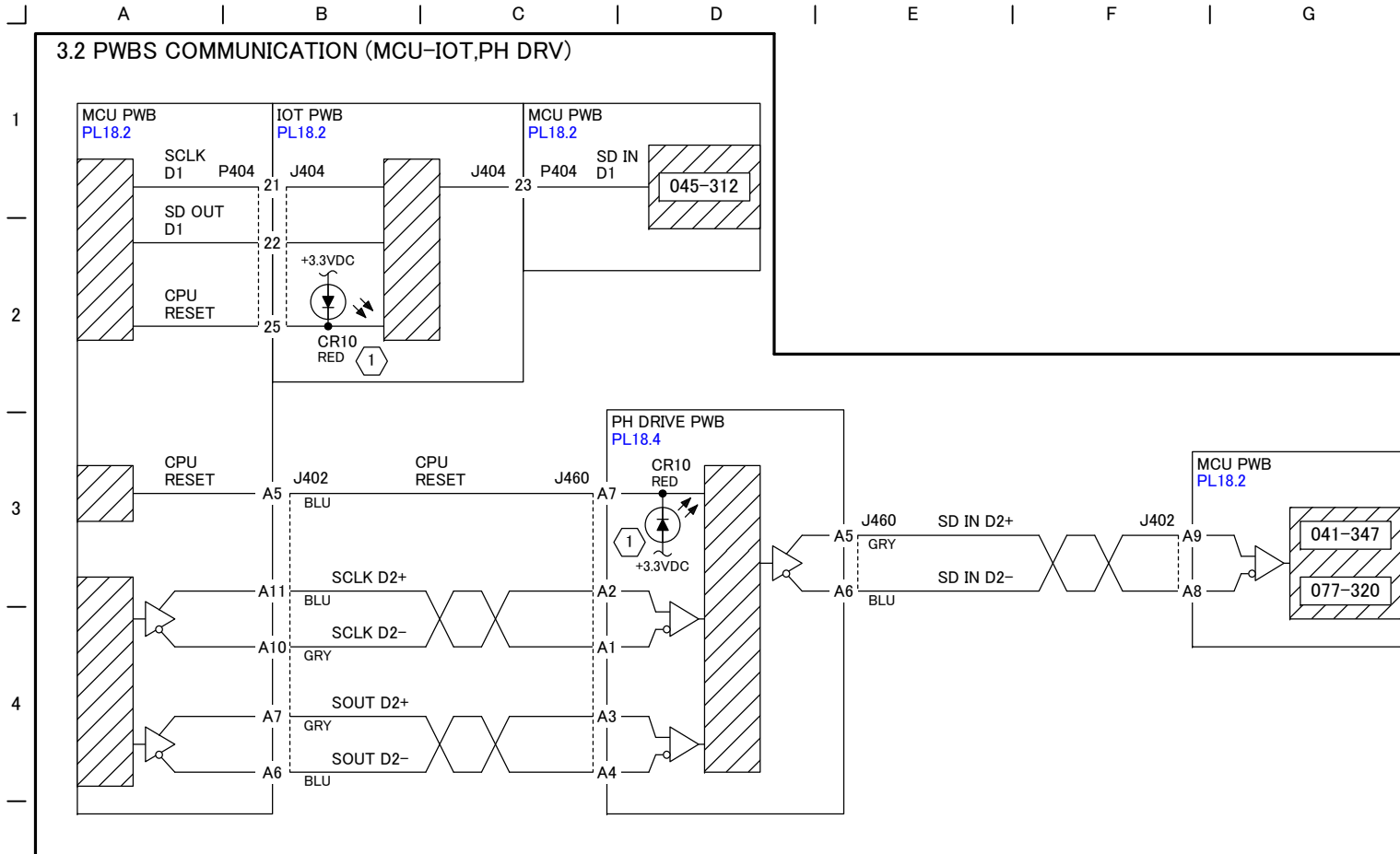


FAIL CODE

- 010-324
Fusing Unit NVM Fail
- 024-340~024-343
IOT-ESS Communication Fail 1-4
- 024-345~024-351
IOT-ESS Communication Fail 5-11
- 024-354
IOT-ESS Communication Fail 14
- 024-356
IOT-ESS Communication Fail 16
- 024-371~024-373
IOT-ESS Communication Fail 21~23
- 024-375
IOT-ESS Communication Fail 24
- 045-310
Image Ready NG
- 045-311
Controller Communication Fail
- 045-314
IOT Sequence Time Over
- 045-317
MCU CPLD Serial I/F Error
- 077-909
IOT Static Jam

NOTE:

1 NVM[742-023] can identify the sensor that has caused IOT Static Jam.
For example, if "77116" is displayed, it indicates DC330[077-116] IOT Exit Sensor.



FAIL CODE

041-347

PH Drive Serial I/F Error

045-312

IOT Drive Serial I/F Error

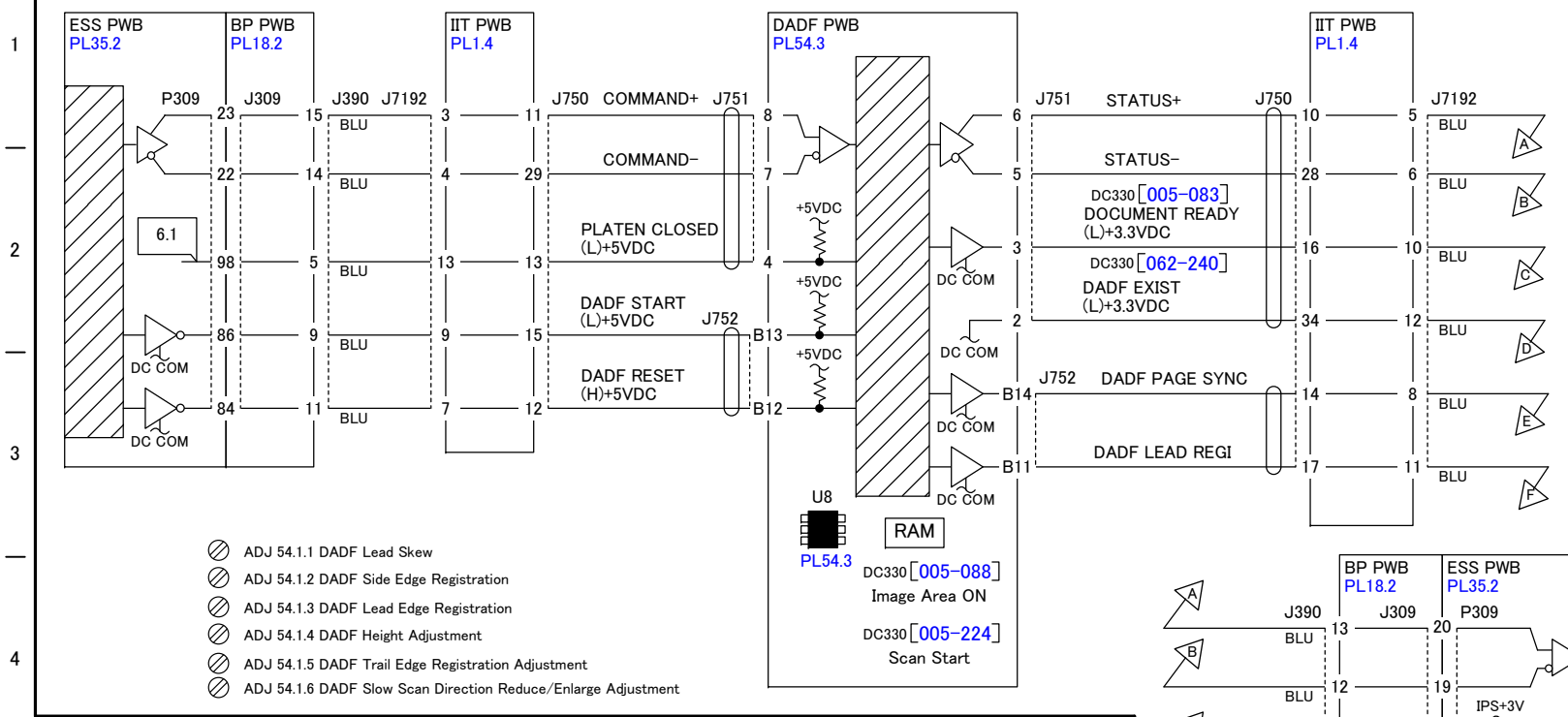
077-320

All Feed Tray Broken Fail

NOTE: 1 The table lists the meanings of the LEDs on each PWB.

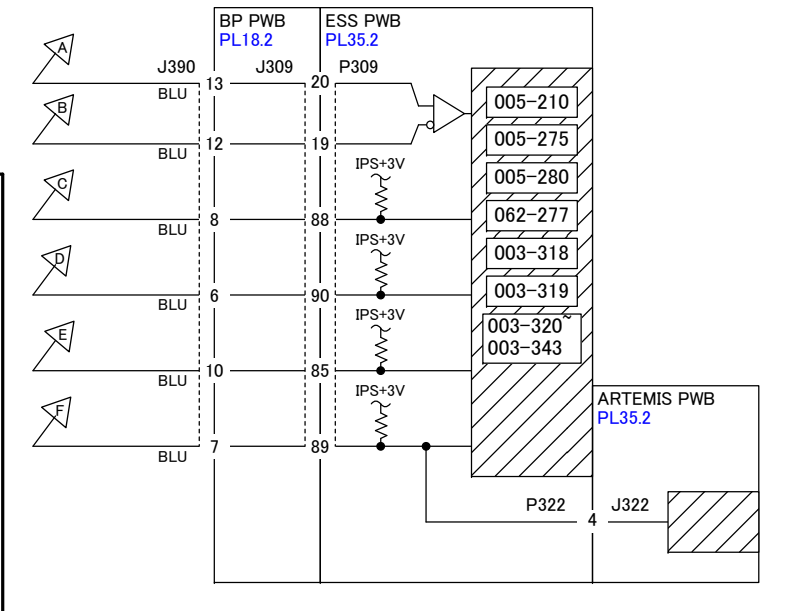
PWB	LED	Color	Volt/Signal	Mode
IOT	CR10	RED	CPU Reset	ON: MCU PWB failed in starting up. Or MCU PWB and IOT PWB are improperly connected. ON (temporarily): M/C is rebooting.
PH Drive	CR10	RED	CPU Reset	ON: MCU PWB failed in starting up. Or MCU PWB and PH Drive PWB are improperly connected. ON (temporarily): M/C is rebooting.

3.3 PWBS COMMUNICATION (ESS-DADF)



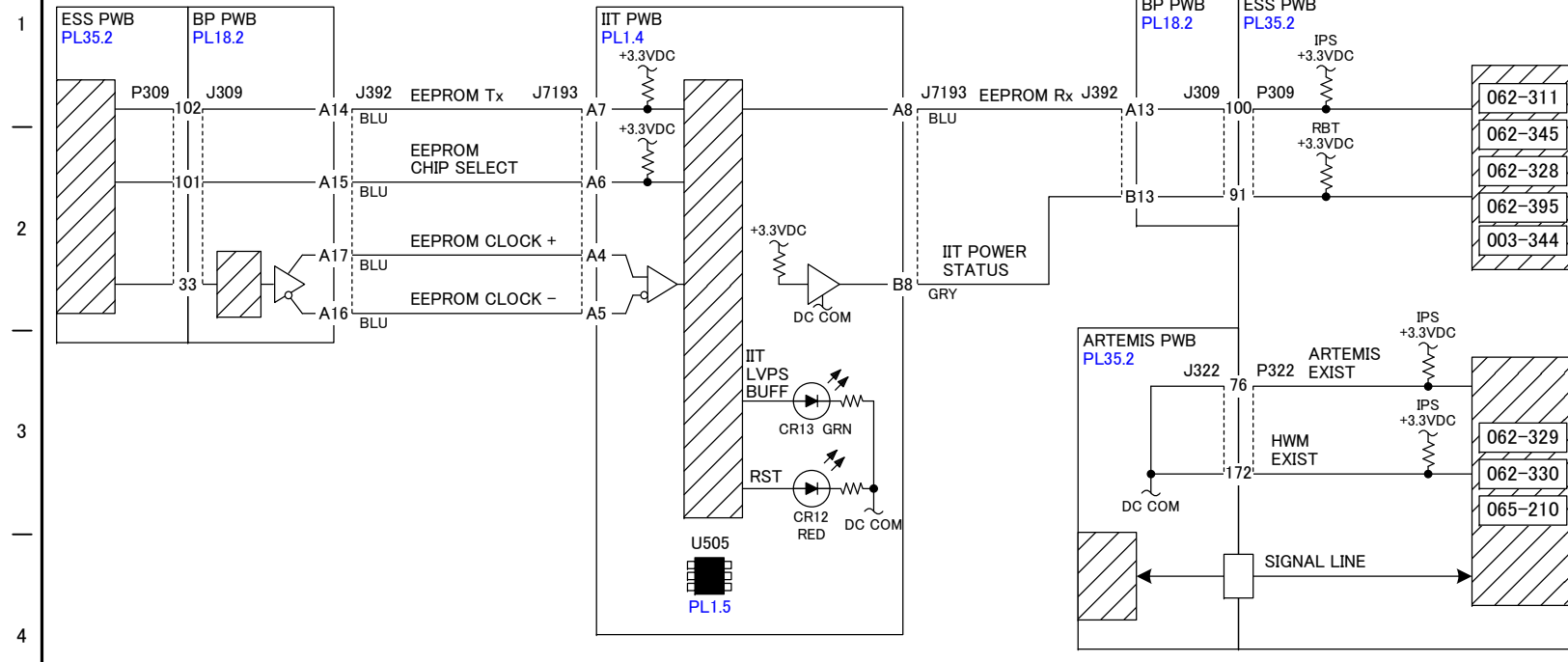
- ⊗ ADJ 54.1.1 DADF Lead Skew
- ⊗ ADJ 54.1.2 DADF Side Edge Registration
- ⊗ ADJ 54.1.3 DADF Lead Edge Registration
- ⊗ ADJ 54.1.4 DADF Height Adjustment
- ⊗ ADJ 54.1.5 DADF Trail Edge Registration Adjustment
- ⊗ ADJ 54.1.6 DADF Slow Scan Direction Reduce/Enlarge Adjustment

FAIL CODE	Description
003-318	IIT Soft Fail
003-319	IIT Video Driver Detection Fail
003-320~003-343	IIT-ESS Communication Fail 1~24
005-210	DADF Download Fail
005-275	DADF RAM Fail
005-280	DADF EEPROM Fail
062-277	IPS-DADF Communication Fail



A | B | C | D | E | F | G | H | J |

3.4 PWBS COMMUNICATION (ESS-IIT)



FAIL CODE

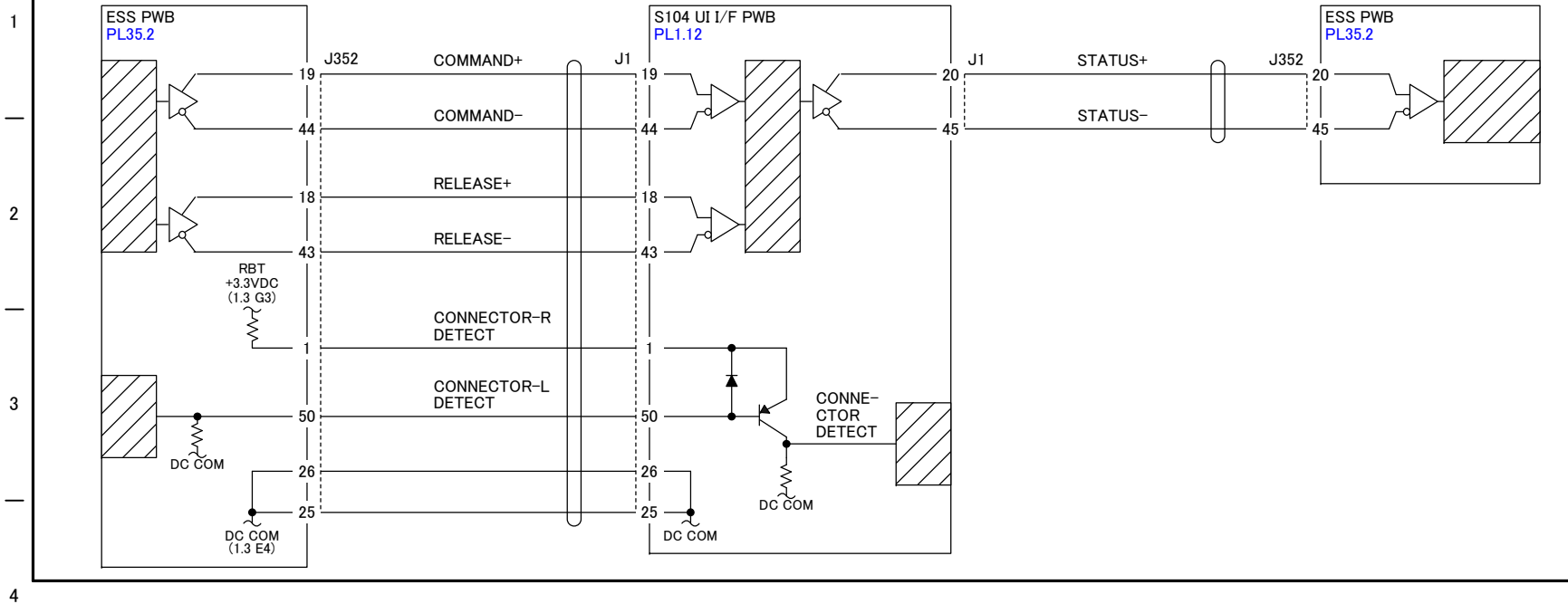
- 003-344 IISS_ESS X Hotline Fail Power On
- 062-311 IIT Software Logic Fail
- 062-328 PWBA Configuration Fail
- 062-329 MYKONOS Memory Capacity Fail
- 062-330 GAPWM/ARTEMIS PWB Hard Fail
- 062-345 IIT EEPROM Fail (IIT)
- 062-395 Trans PWB Power Cable Connection Fail
- 065-210 ARTEMIS Memory Fail

5

6

A | B | C | D | E | F | G | H | J

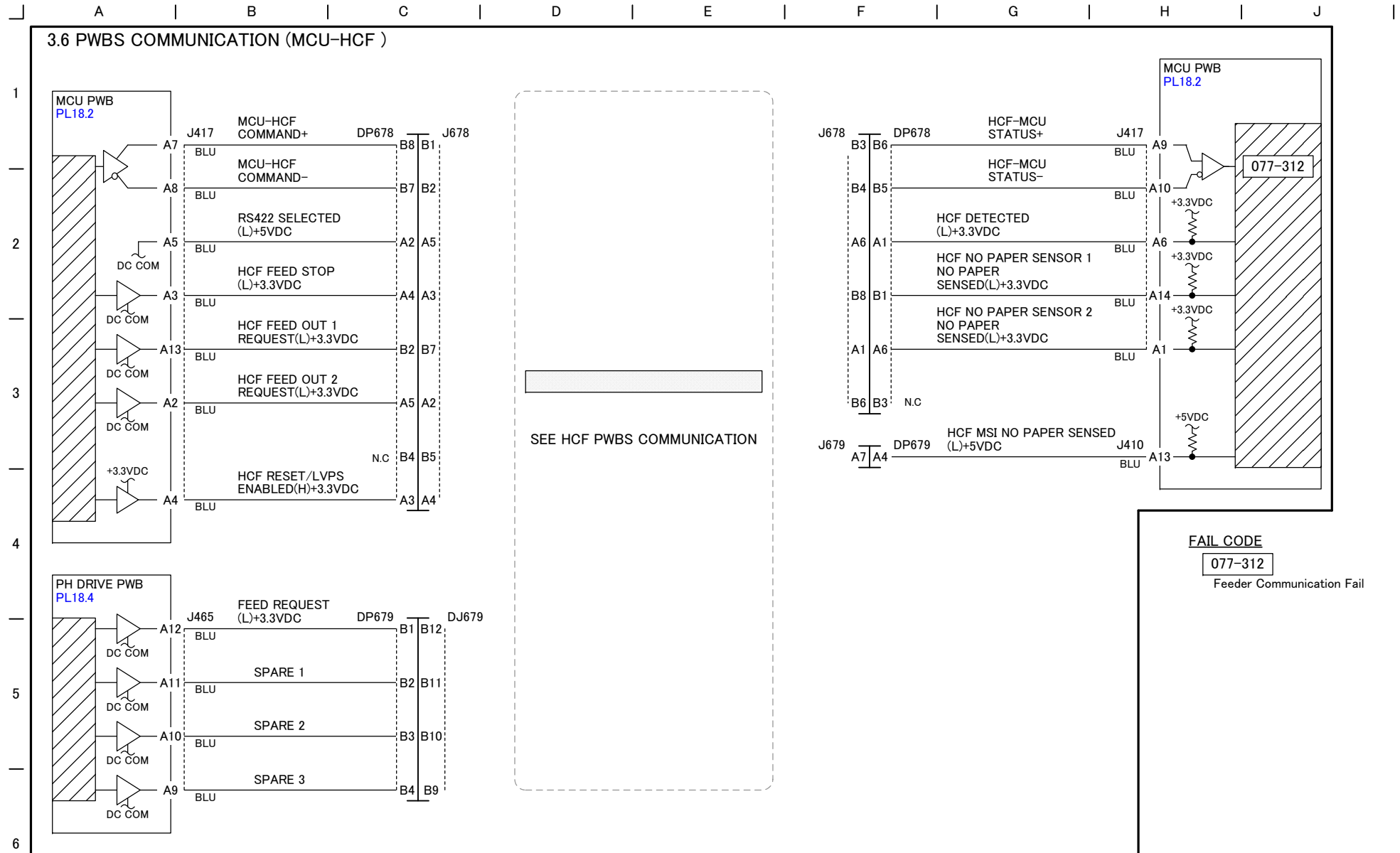
3.5 PWBS COMMUNICATION (ESS-S104 UI)



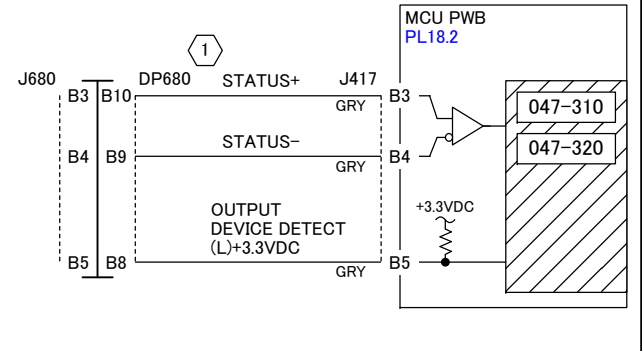
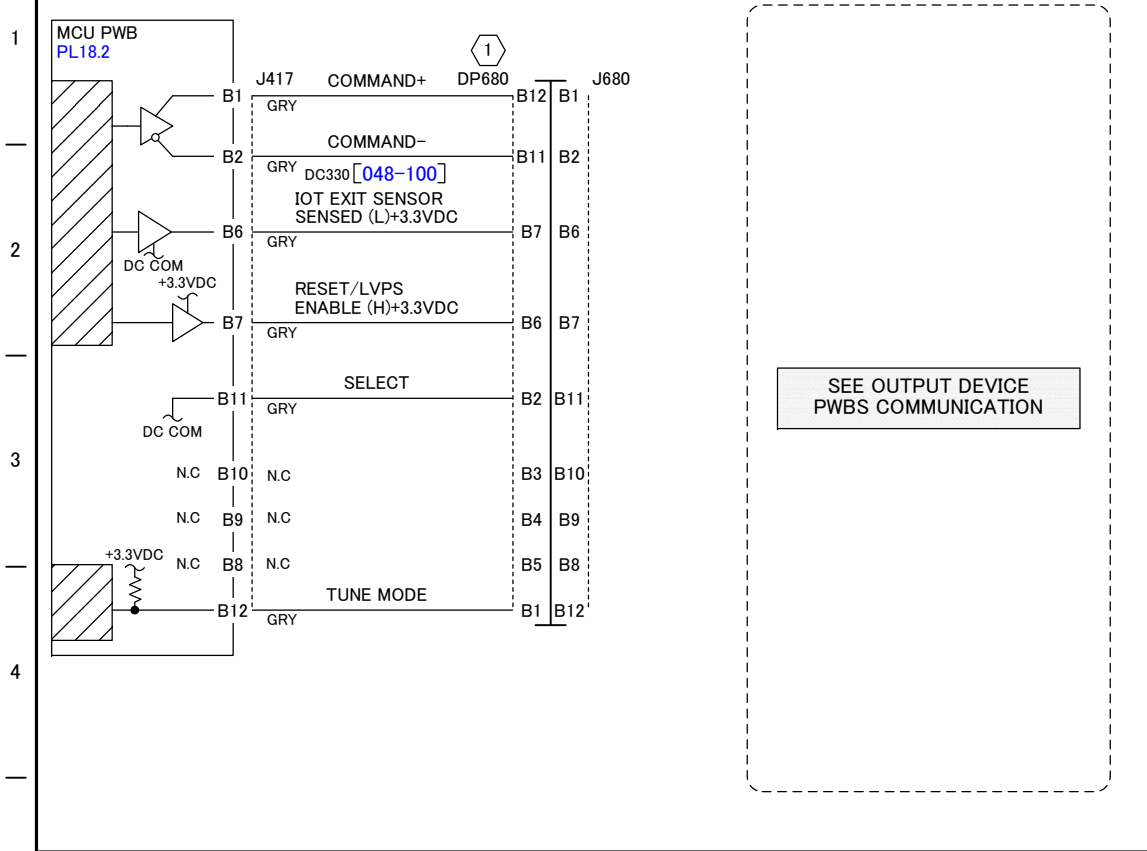
4

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6



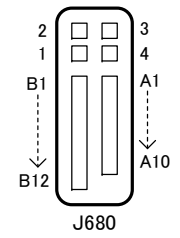
3.7 PWBS COMMUNICATION (MCU-OUTPUT DEVICE)

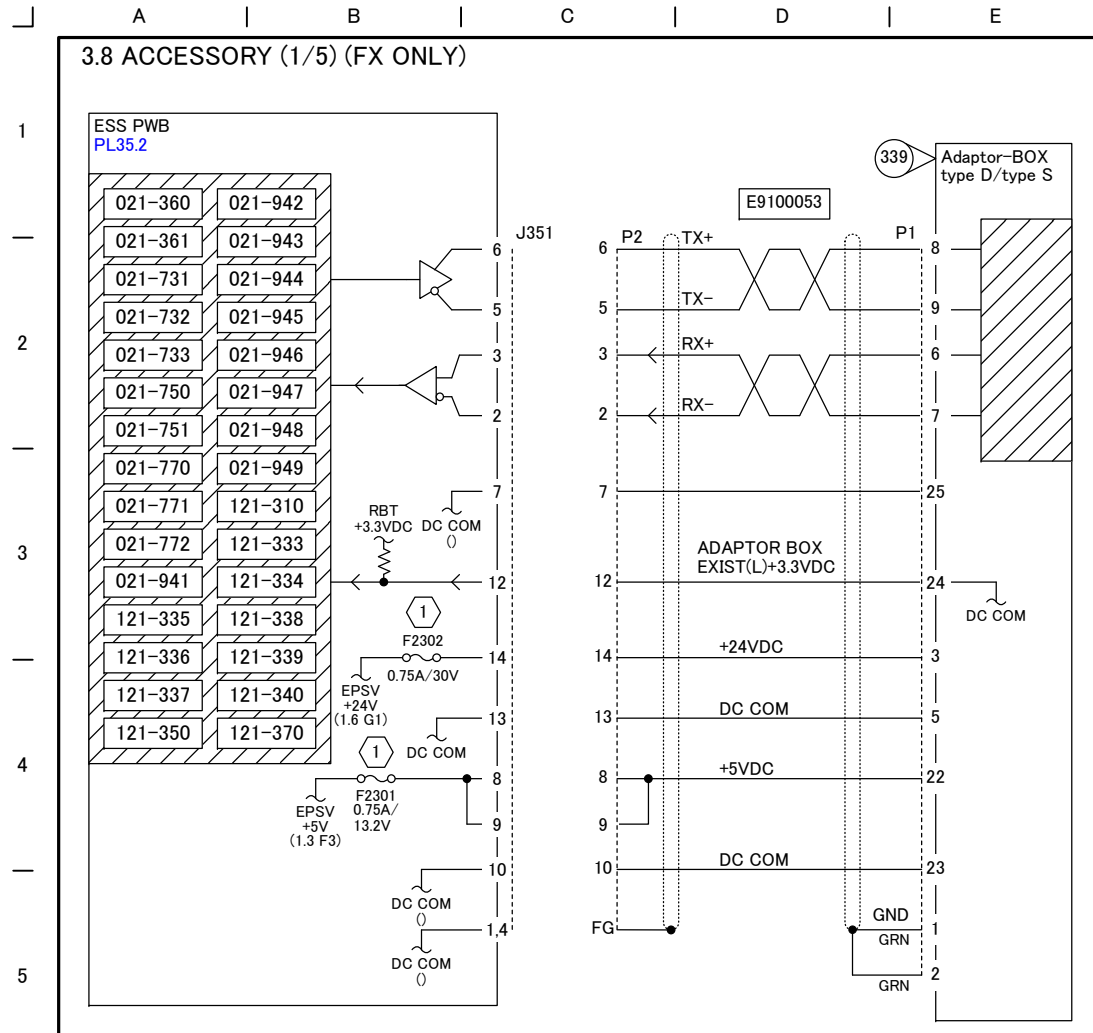


FAIL CODE

- 047-310**
Output Device Communication Fail
- 047-320**
All Out Tray Broken Fail

NOTE: Pin Number assignment of J680 Lattice Connector.

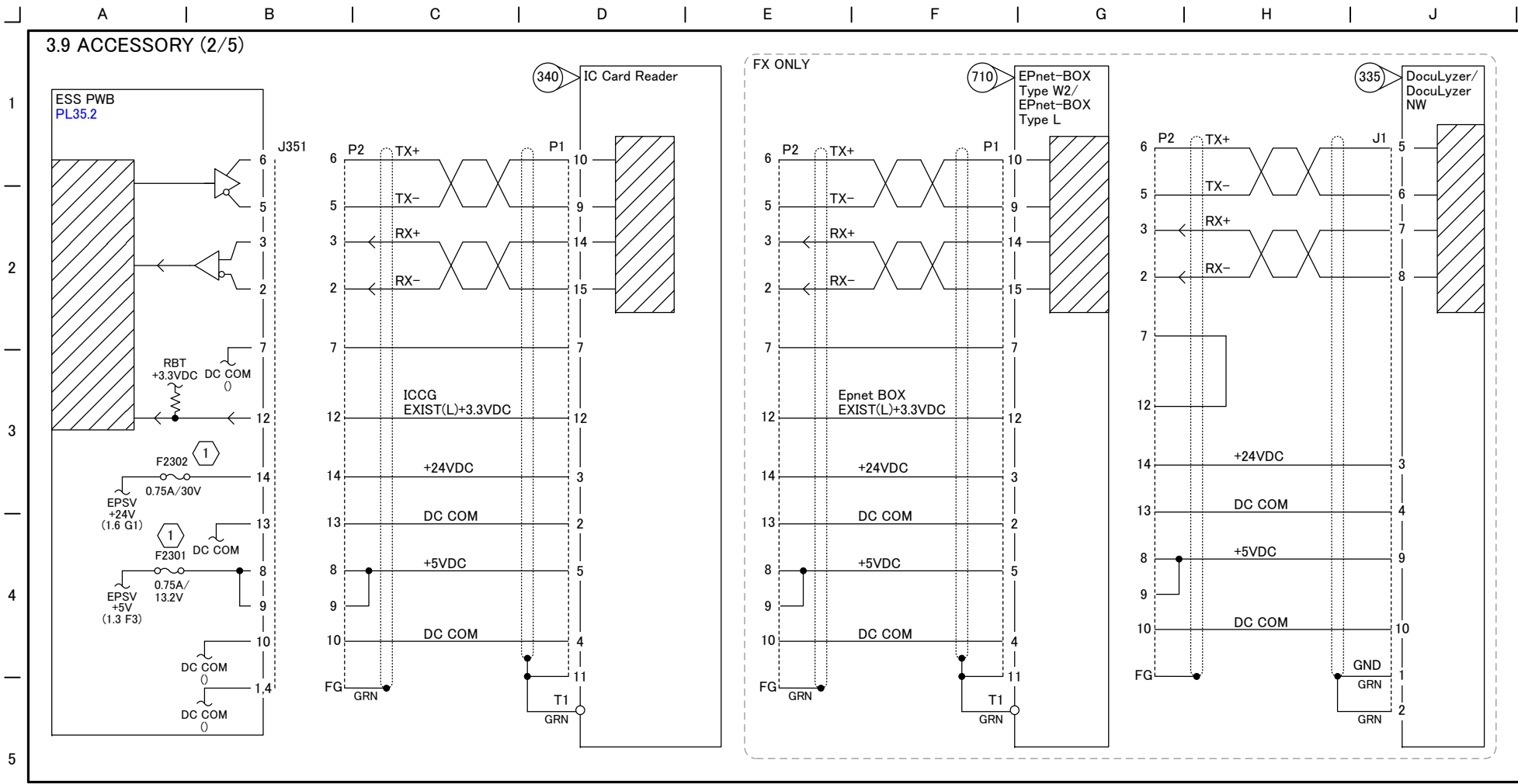




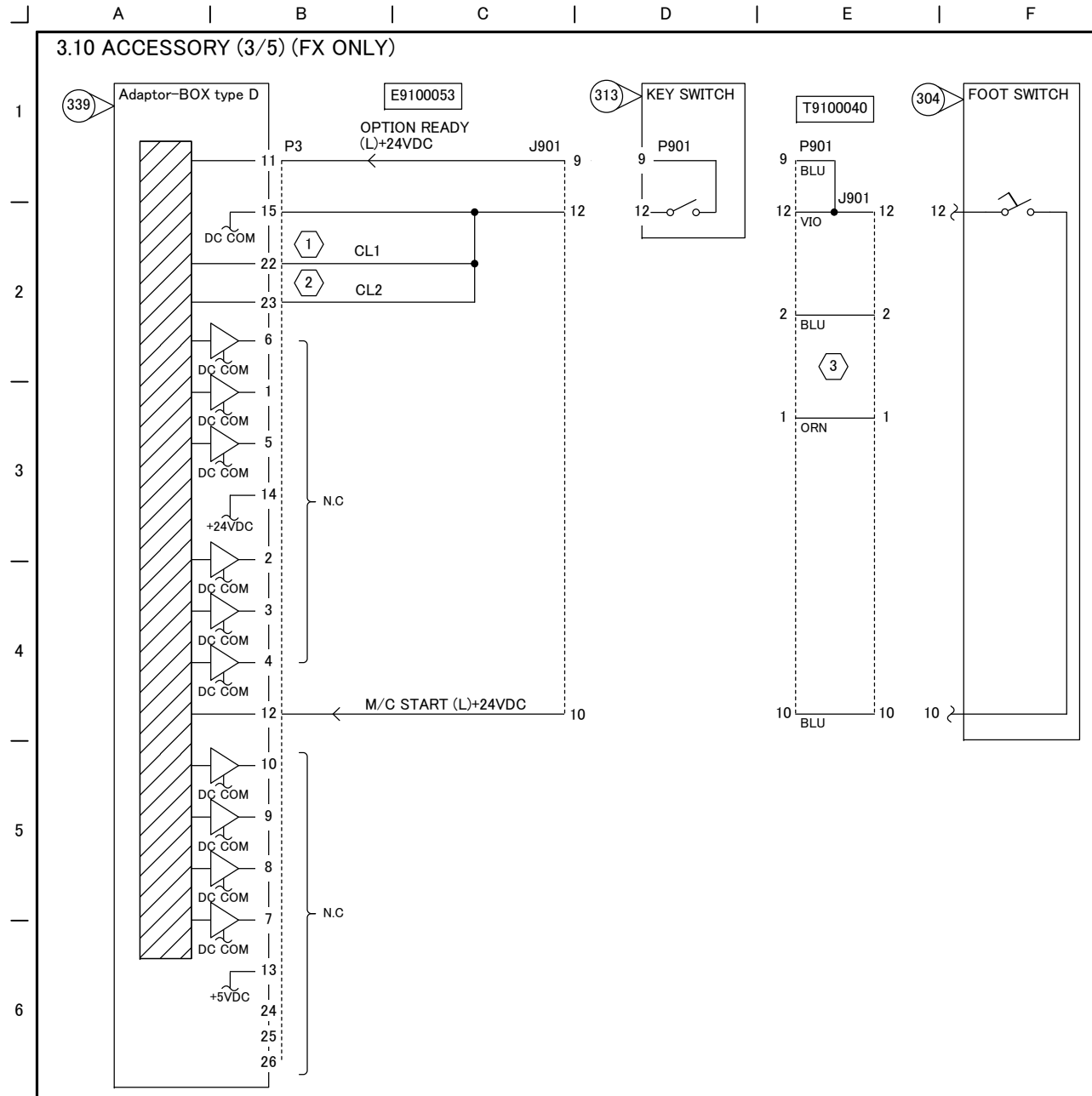
NOTE: Chip Fuse

FAIL CODE

033-715 Cannot start job	121-310 EPSV-Accessory Communication Fail
021-360 EP Accessory Fail	121-316 EP Accessory conflicts with Secure Access
021-361 EP Accessory Kind Config Error	121-320 EP Setting information conflict fail
021-731 EP Accessory - Function Disabled	121-321 EP-DX Setting information conflict fail
021-732 EP Accessory Error732	121-322 Controller Price Table Error
021-733 EP Accessory Error733	121-333 EPSV-EP M/C Communication Fail
021-750 U Parts Request Fail (EP-SV)	121-334 EPSV Login Fail
021-751 Maintenance Request Fail (EP-SV)	121-335 EPSV Wake Up Answer Fail
021-770 U Parts Request Fail (EP-DX)	121-336 Unknown EP Accessory
021-771 Maintenance Request Fail (EP-DX)	121-337 EP Accessory Self Diag Fail
021-772 EPDX Install, Remove Error	121-338 EPSV Answer Time Out
021-941 EP-Scan Service Paused By Disable	121-339 Changed Price Table Error
021-942 EP-Scan Service Paused By Color Mode	121-340 EP Accessory Miss Match
021-943 EP-Print Service Paused By Disable	121-350 EPSV Logic Fail
021-944 EP - Print Service Paused By Color Mode	121-370 EP-DX - Unexpected Error
021-945 EP - Service Paused By Disable	
021-946 EP - Service Paused By Color Mode	
021-947 Subtract Type Accessory Remaining Rate Short (Scan)	
021-948 Subtract Type Accessory Remaining Rate Short (Print)	
021-949 Subtract Type Accessory Remaining Rate Short	



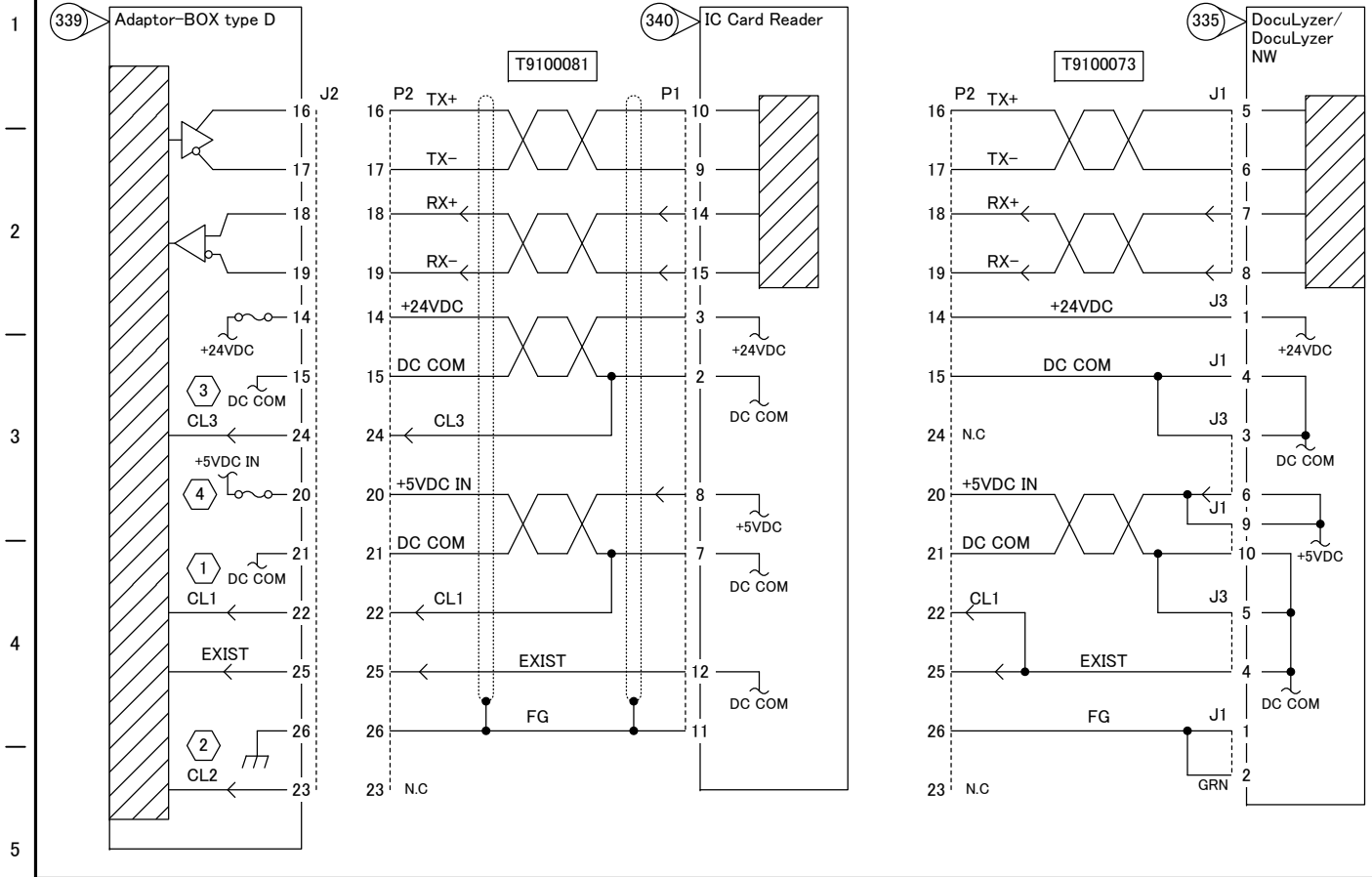
NOTE: Chip Fuse



NOTE:

- ① Detection of connection with related product 1
- ② Detection of connection with related product 2
- ③ When installing Foot Switch, prepare Relay Harness T9100040 in advance.

3.11 ACCESSORY (4/5) (FX ONLY)

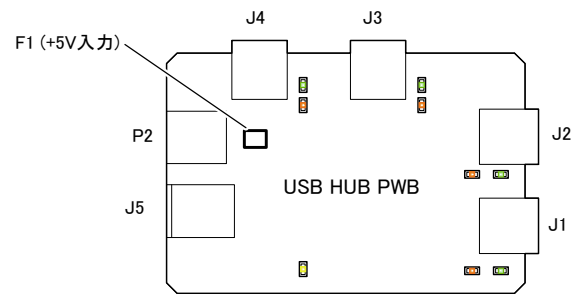
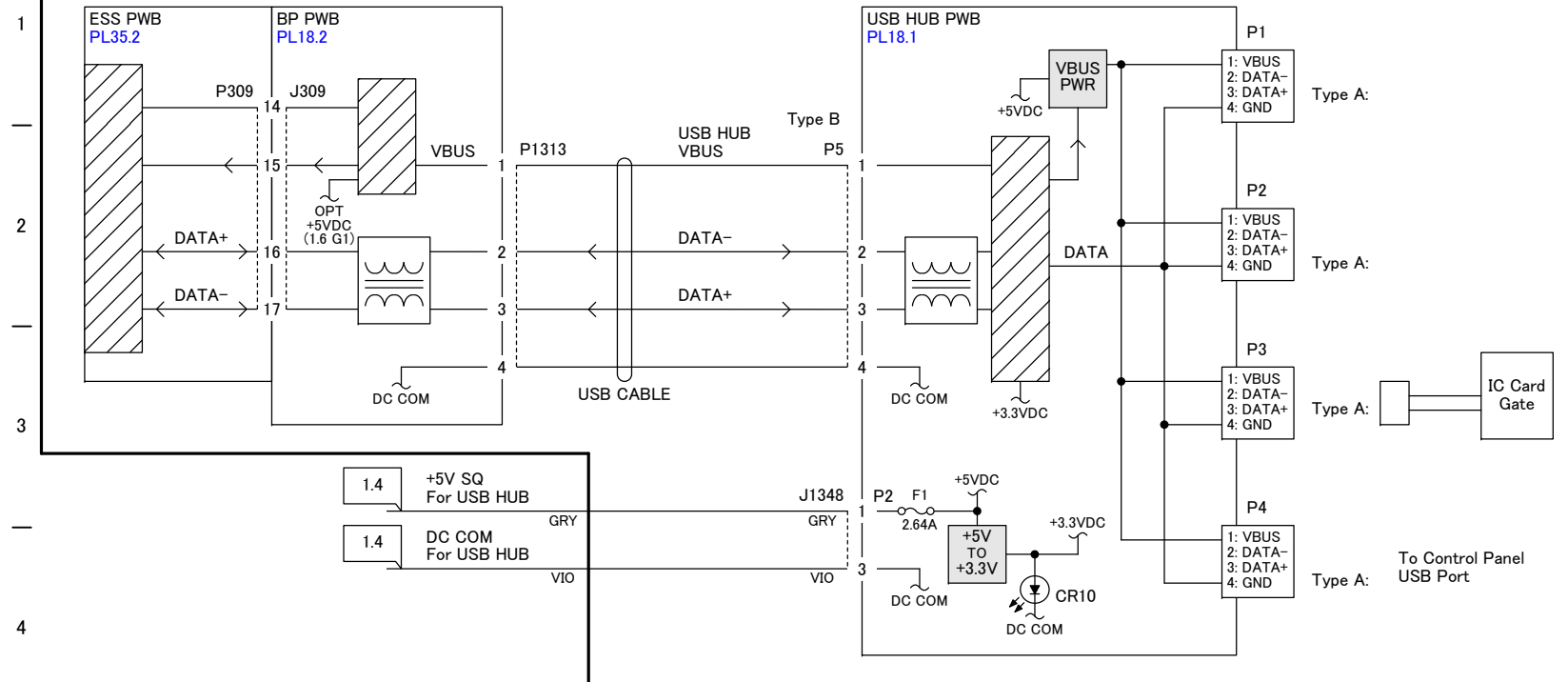


NOTE:

- ① Detection of connection with related product 1
- ② Detection of connection with related product 2
- ③ Detection of connection with related product 3
- ④ This +5V is supplied from the related product.
In absence of this +5V, the communication circuit of the Adapter Box does not function.

A | B | C | D | E | F | G | H | J

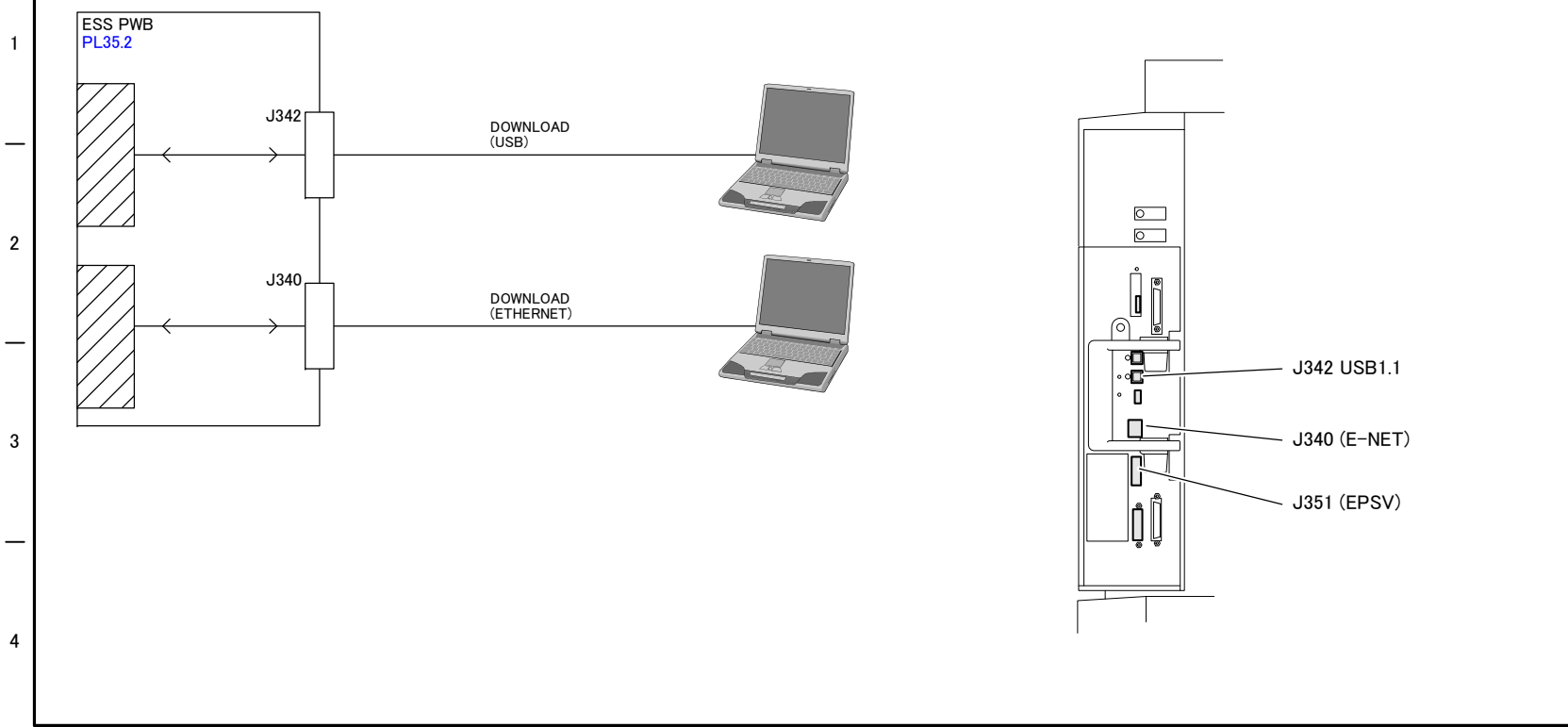
3.12 ACCESSORY (USB HUB) (5/5)



5

6

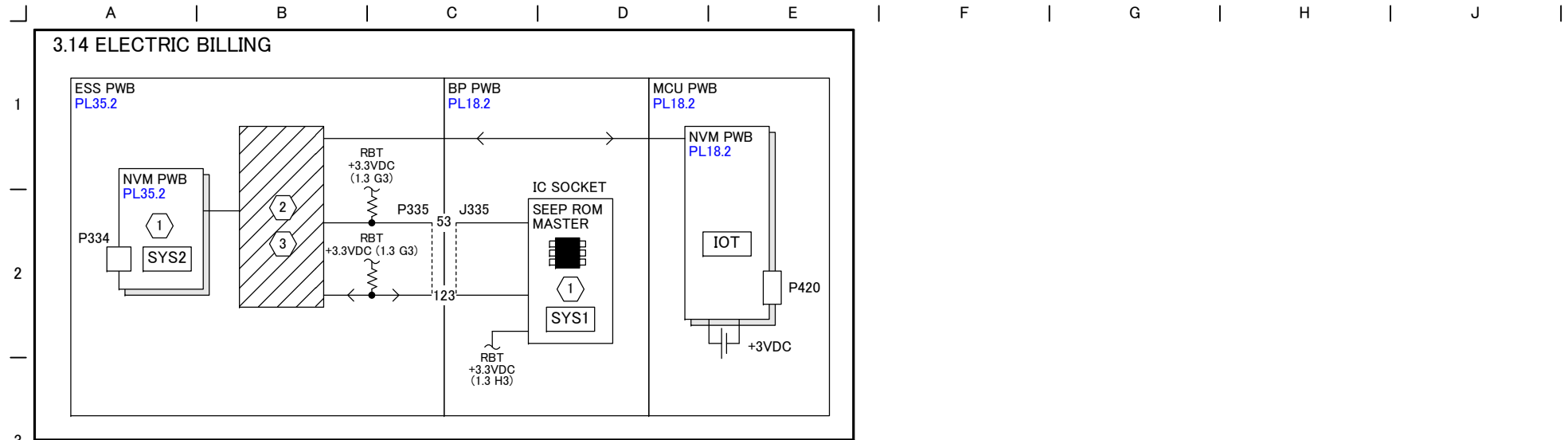
3.13 DOWNLOAD INTERFACE



1
2
3
4

5

6



NOTE:

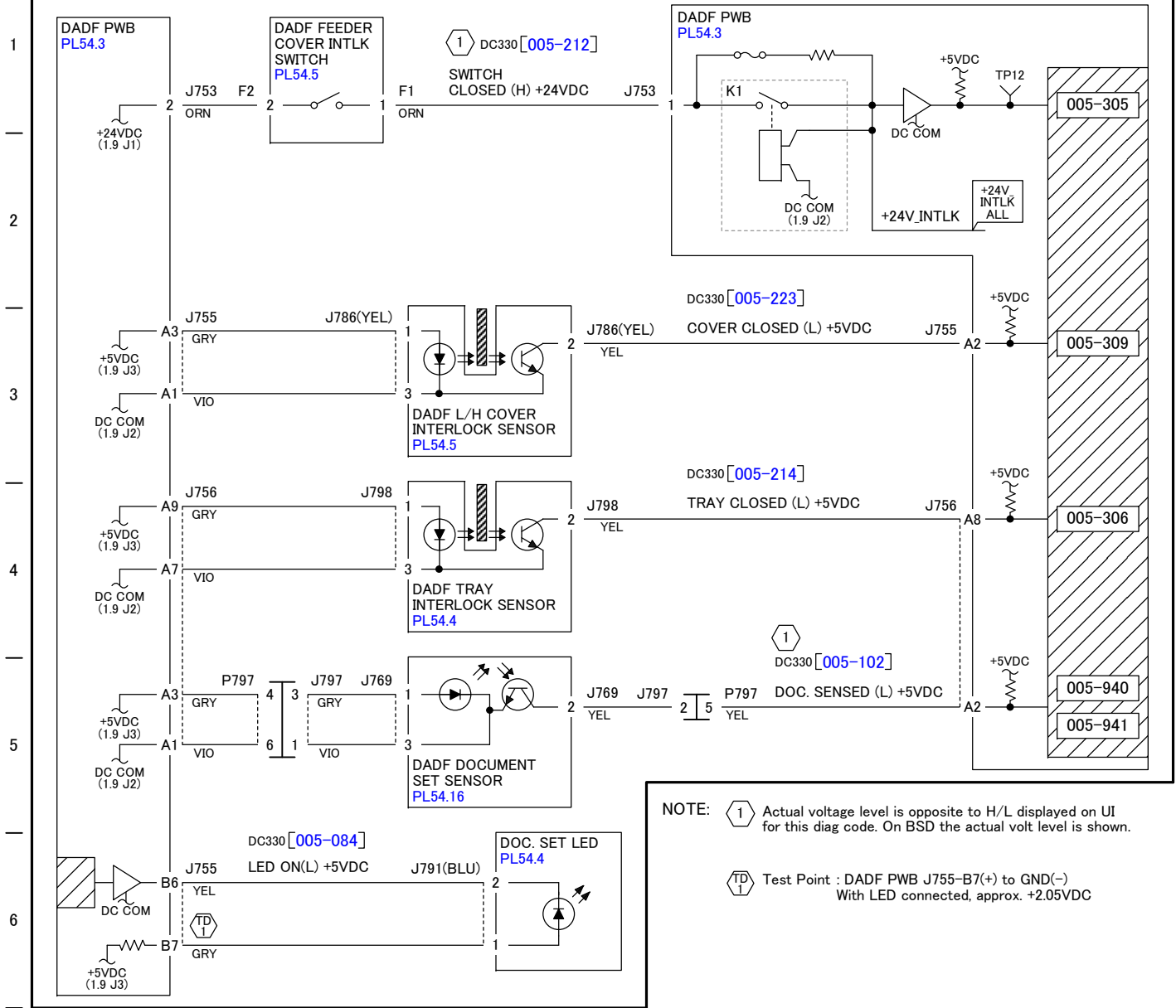
1 IOT/SYS1/SYS2 in "Machine ID/Billing Data" of the diag refer to the following:
 IOT: MCU PWB NVM PWB
 SYS1: BP PWB SEEP ROM
 SYS2: ESS PWB NVM PWB

3 In the following cases, manually correct billing data, using DC132.
 • After replacing MCU PWB
 • After replacing ESS PWB
 • After replacing BP PWB
 • Fail Code [124-324] (three counts are all different) has occurred.
 • Fail Code [124-325] (automatic count correction failed) has occurred.

2 Fail Codes are as follows:

024-600	124-314	124-324
	DC132 01	All Billing Mismatch
024-601	124-315	124-325
	DC132 02	Billing Restoration Fail
024-602	124-316	041-340
	DC132 03	EEPROM Fail
024-603	124-317	
	DC132 04	
024-604	124-318	
	DC132 07	
024-605	124-319	
	DC132 08	
124-310	124-322	
DC132 11	DC132 05	
124-311	124-323	
DC132 09	DC132 06	
124-312		
DC132 12		
124-313		
DC132 10		

5.1 DADF INTERLOCK & DOCUMENT SET

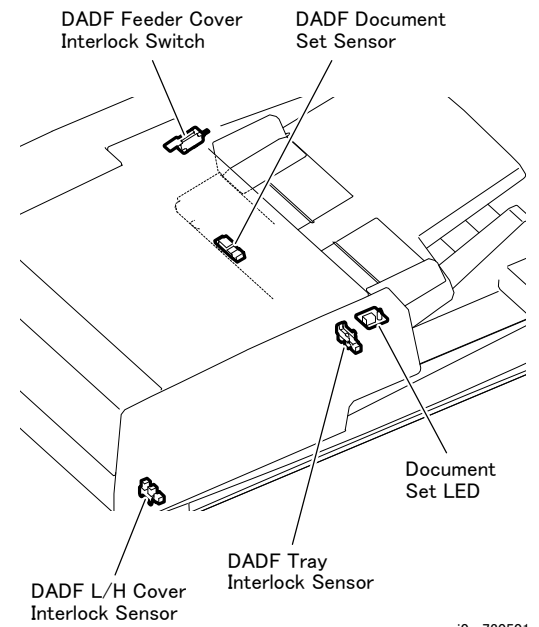


NOTE:

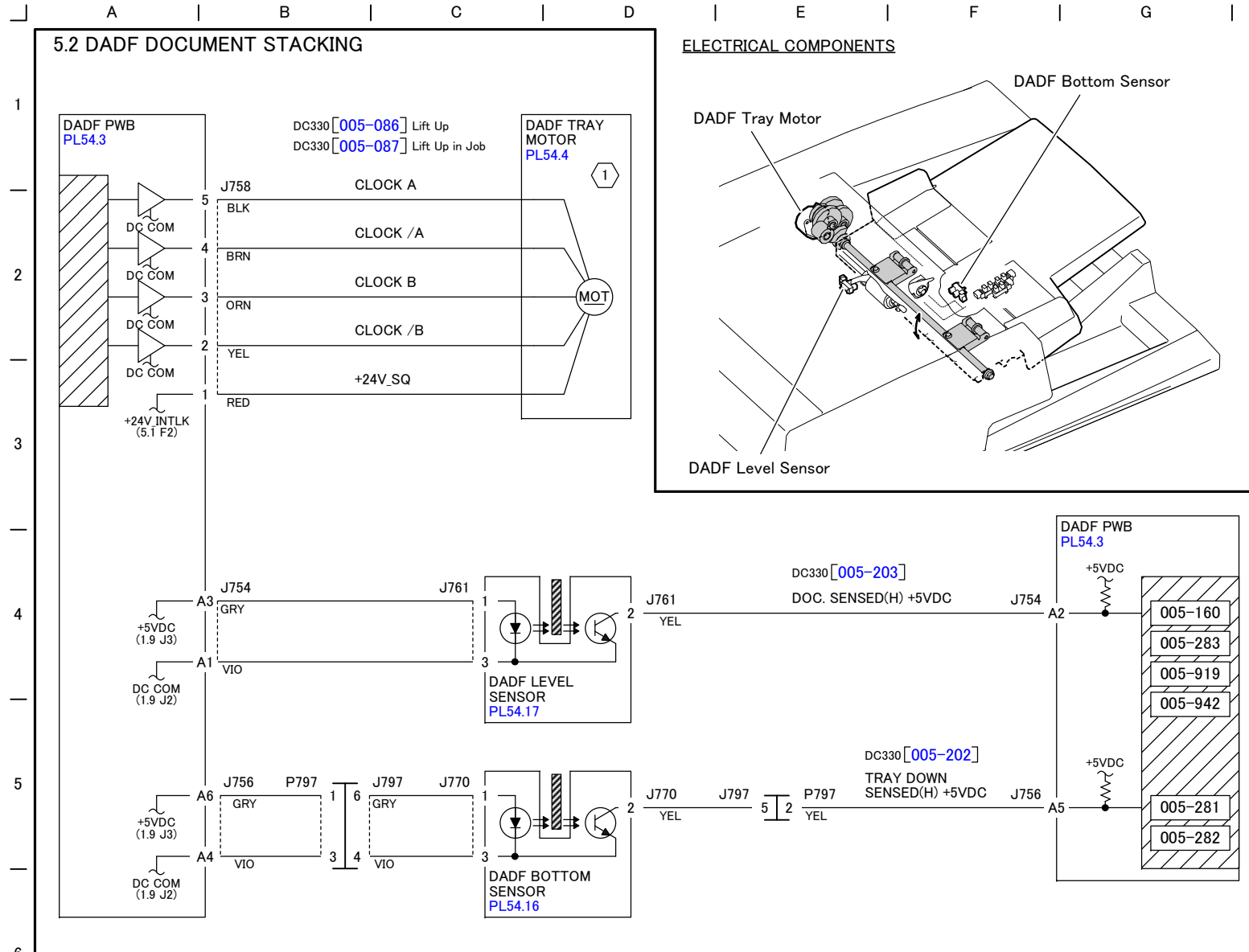
- ① Actual voltage level is opposite to H/L displayed on UI for this diag code. On BSD the actual volt level is shown.
- TP1 Test Point : DADF PWB J755-B7(+) to GND(-) With LED connected, approx. +2.05VDC

- FAIL CODE**
- 005-305 DADF Feeder Cover Interlock Open
 - 005-306 DADF Tray Interlock Open
 - 005-309 DADF L/H Cover Interlock Open
 - 005-940 DADF No Original Fail
 - 005-941 DADF Not Enough Document

ELECTRICAL COMPONENTS



j0pr730501



FAIL CODE

- 005-160

 DADF Tray Lift Up Fail on Running (Document Set)

- 005-281

 DADF Tray Lift Down Fail

- 005-282

 DADF Tray Lift Up Fail (No Document)

- 005-283

 DADF Level Sensor Logic Fail

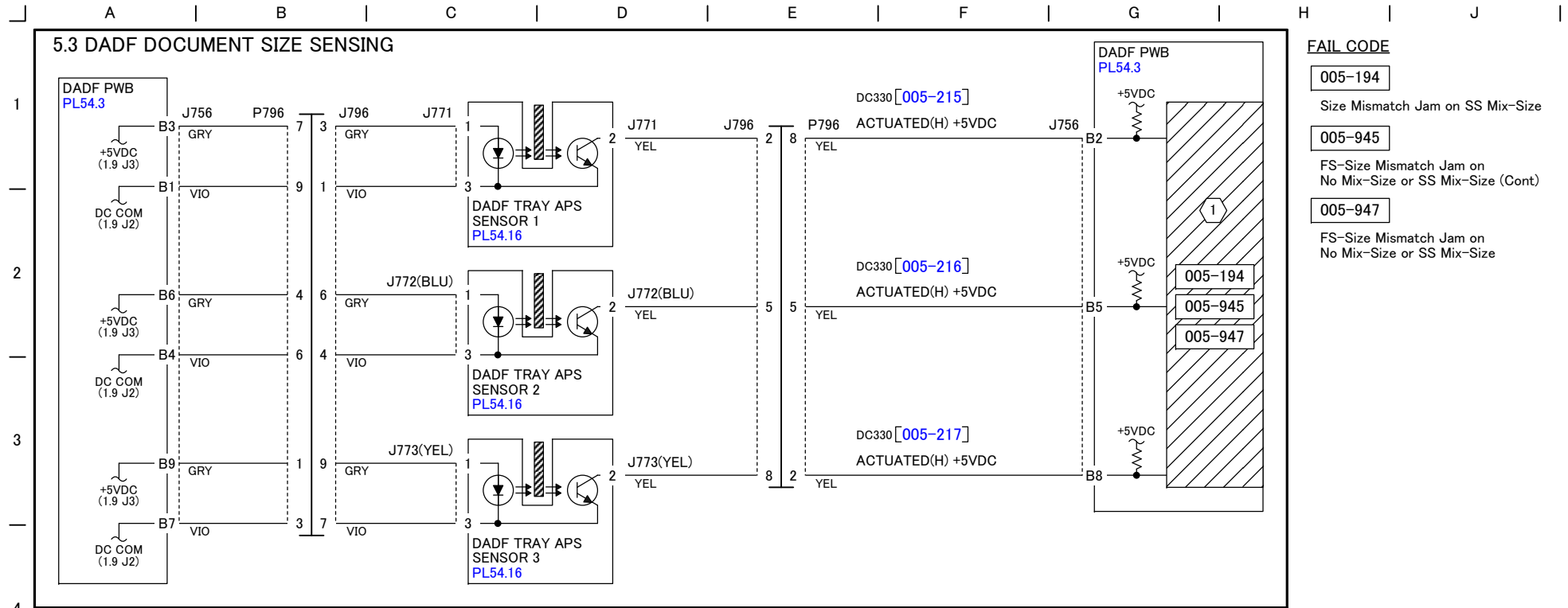
- 005-919

 DADF Tray Lift Up Fail (Document Set)

- 005-942

 DADF Tray Stack Over Fail

NOTE: 1 The winding resistance of DADF Tray Motor is $20\Omega \pm 10\%$ (25°C).



FAIL CODE

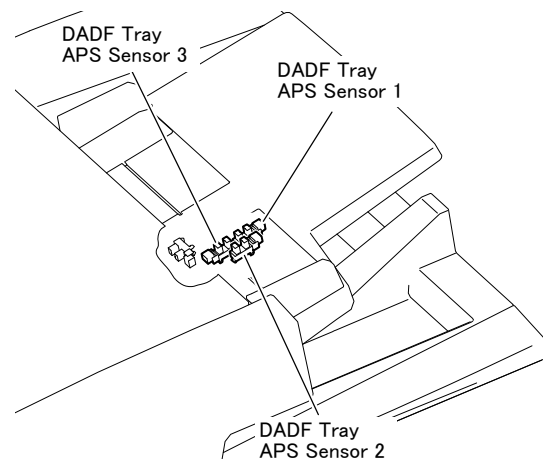
- 005-194**
Size Mismatch Jam on SS Mix-Size
- 005-945**
FS-Size Mismatch Jam on No Mix-Size or SS Mix-Size (Cont)
- 005-947**
FS-Size Mismatch Jam on No Mix-Size or SS Mix-Size

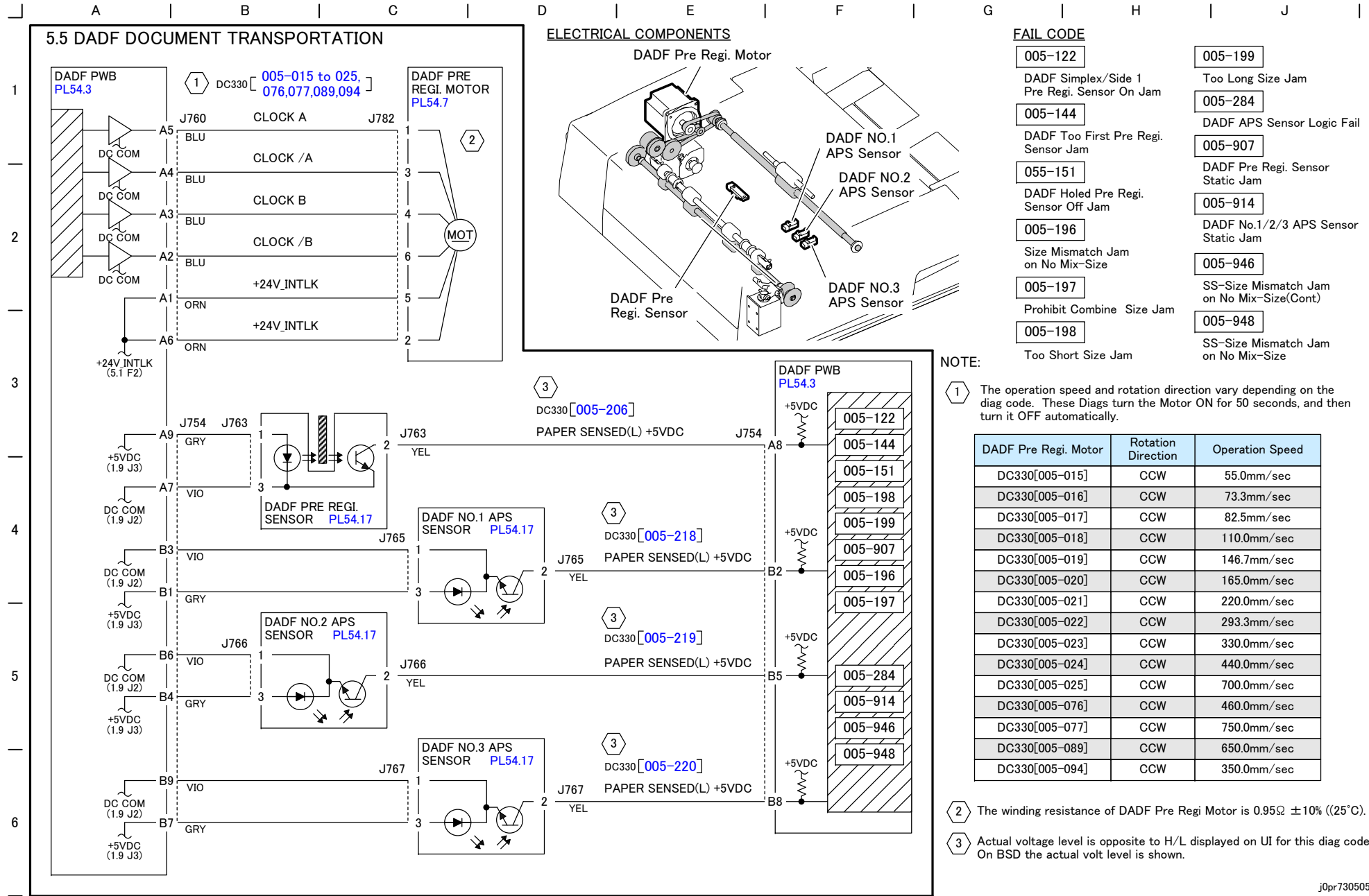
ELECTRICAL COMPONENTS

NOTE: 1 The size in fast scan direction is determined by a combination of outputs from the Tray APS Sensors 1 to 3 and outputs from the APS Sensors No.1 to No.3 in the Feeder. The following table shows the relations between document width (mm) and outputs from the Tray APS Sensors 1 to 3:

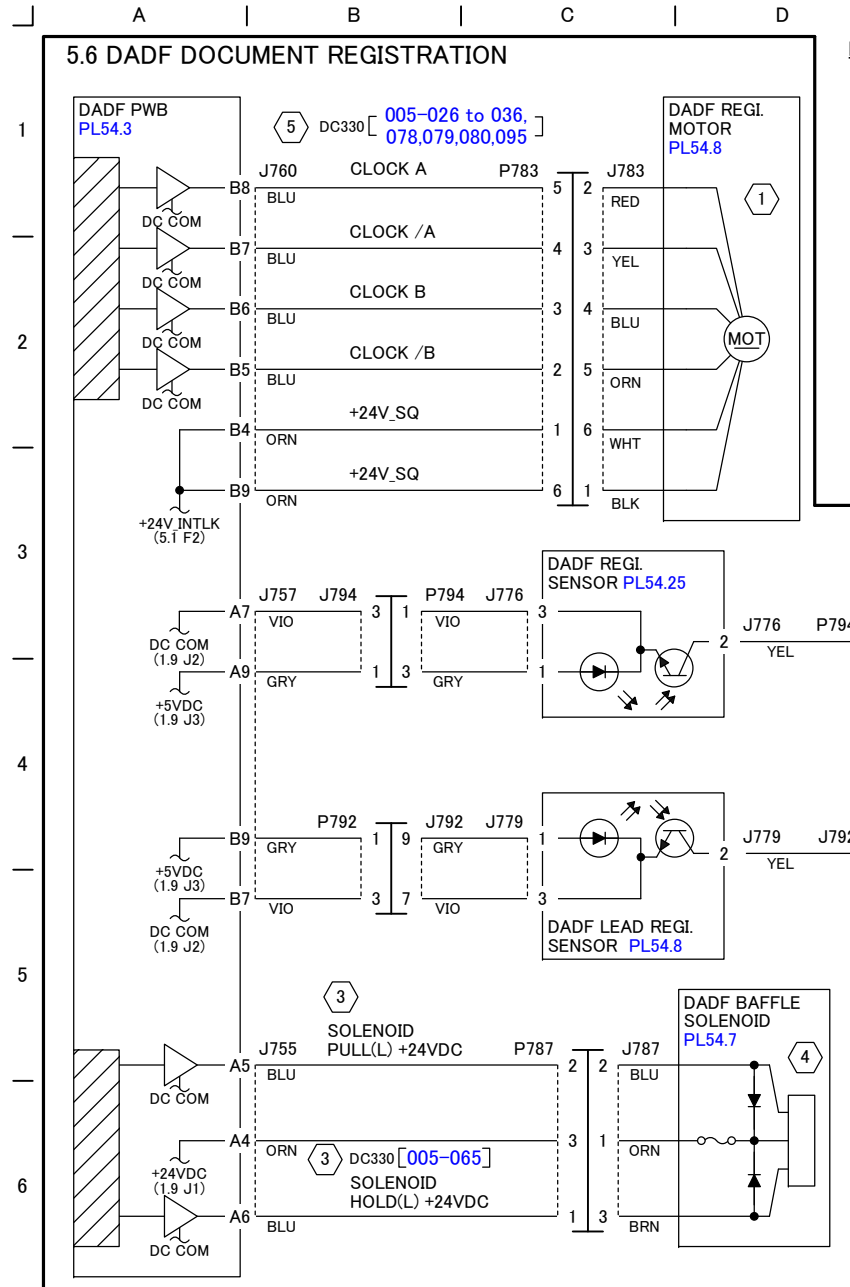
Document Width in Fast Scan Direction(mm)	Tray APS Sensor 1	Tray APS Sensor 2	Tray APS Sensor 3
288.2 - 300.0	ON	OFF	ON
273.2 - 288.1	ON	OFF	OFF
261.9 - 273.1	ON	ON	OFF
235.0 - 261.8	ON	ON	ON
213.0 - 234.9	OFF	OFF	ON
206.6 - 212.9	OFF	OFF	OFF
194.1 - 206.5	OFF	ON	OFF
165.0 - 194.0	OFF	ON	OFF
128.0 - 164.9	OFF	ON	ON

Ref.: Doc size in slow scan direction is determined by the count of Pre Regi. Motor pulses from Pre Regi. Sensor ON to Feed Sensor OFF.

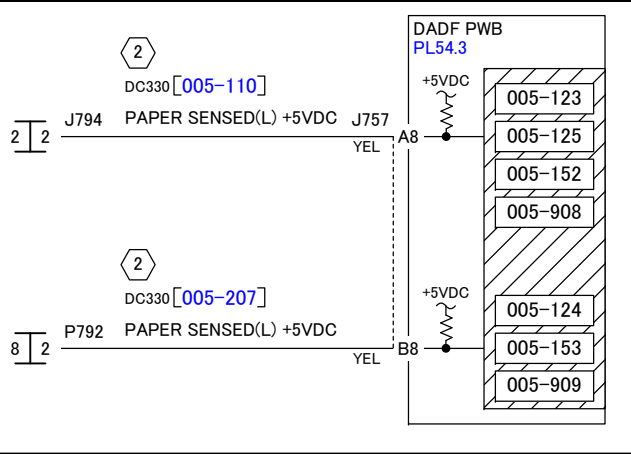
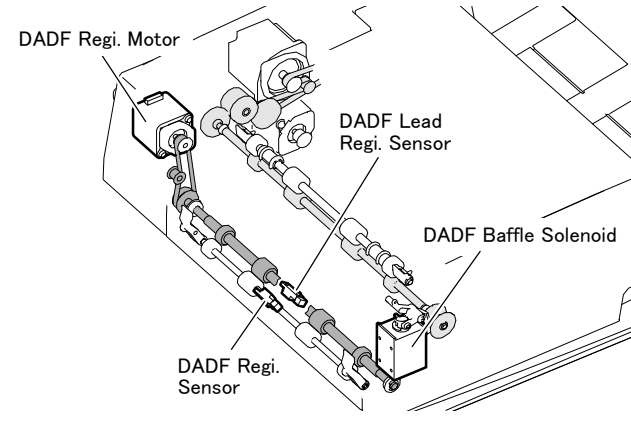




j0pr730505



ELECTRICAL COMPONENTS



NOTE:

- ① The winding resistance of DADF Regi. Motor is $1.4\Omega \pm 10\%$ (25°C).
- ② Actual voltage level is opposite to H/L displayed on UI for this diag code. On BSD the actual volt level is shown.
- ③ Turning ON DC330[005-065] makes the solenoid pulled in for 100msec then pushed for 220msec.
- ④ The coil resistance of DADF Baffle Solenoid is as follows:
 - Pull side (primary coil) $35\Omega \pm 10\%$ (at coil temp of 20°C)
 - Hold side (primary coil and secondary coil) $110\Omega \pm 10\%$ (at coil temp of 20°C)

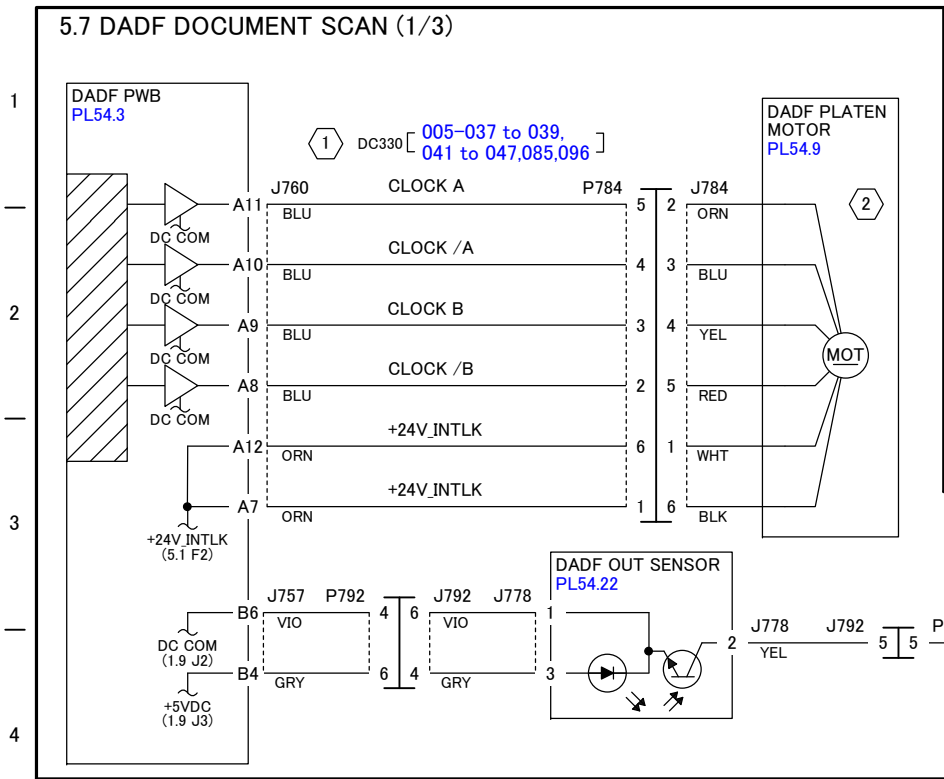
FAIL CODE

- ⑤ **005-123**
DADF Simplex/Side 1 Regi. Sensor On Jam
- ⑤ **005-124**
DADF Lead Regi. Sensor On Jam
- ⑤ **005-125**
DADF Regi. Sensor Off Jam
- ⑤ **005-152**
DADF Holed Regi. Sensor Off Jam
- ⑤ **005-153**
DADF Holed Lead Regi. Sensor Off Jam
- ⑤ **005-908**
DADF Regi. Sensor Static Jam
- ⑤ **005-909**
DADF Lead Regi. Sensor Static Jam

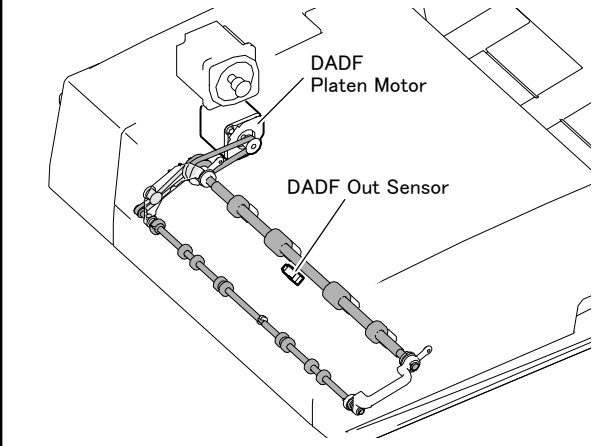
⑤ The operation speed and rotation direction vary depending on the diag code. These Diags turn the Motor ON for 50 seconds, and then turn it OFF automatically.

DADF Regi. Motor	Rotation Direction	Operation Speed
DC330[005-026]	CCW	55.0mm/sec
DC330[005-027]	CCW	73.3mm/sec
DC330[005-028]	CCW	82.5mm/sec
DC330[005-029]	CCW	110.0mm/sec
DC330[005-030]	CCW	146.7mm/sec
DC330[005-031]	CCW	165.0mm/sec
DC330[005-032]	CCW	220.0mm/sec
DC330[005-033]	CCW	293.3mm/sec
DC330[005-034]	CCW	330.0mm/sec
DC330[005-035]	CCW	440.0mm/sec
DC330[005-036]	CW	35.2mm/sec
DC330[005-078]	CCW	460.0mm/sec
DC330[005-079]	CW	110.0mm/sec
DC330[005-080]	CW	220.0mm/sec
DC330[005-095]	CCW	350.0mm/sec

5.7 DADF DOCUMENT SCAN (1/3)

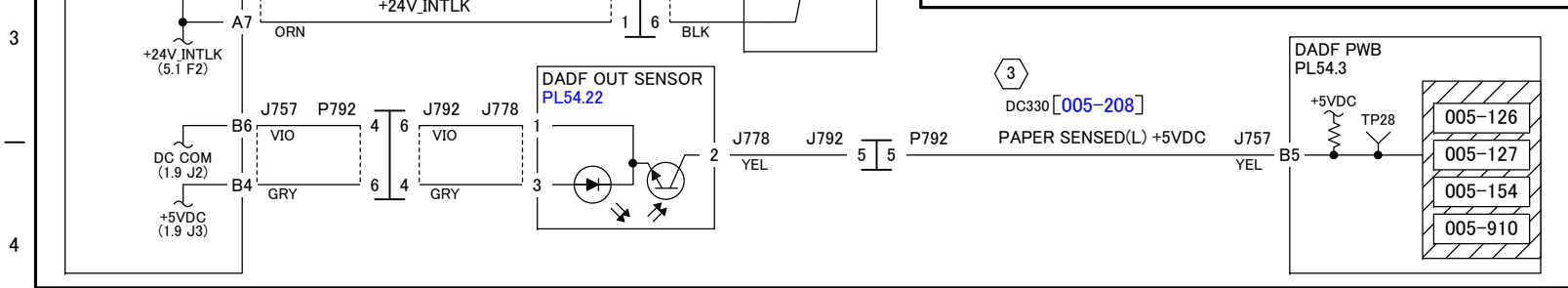


ELECTRICAL COMPONENTS



FAIL CODE

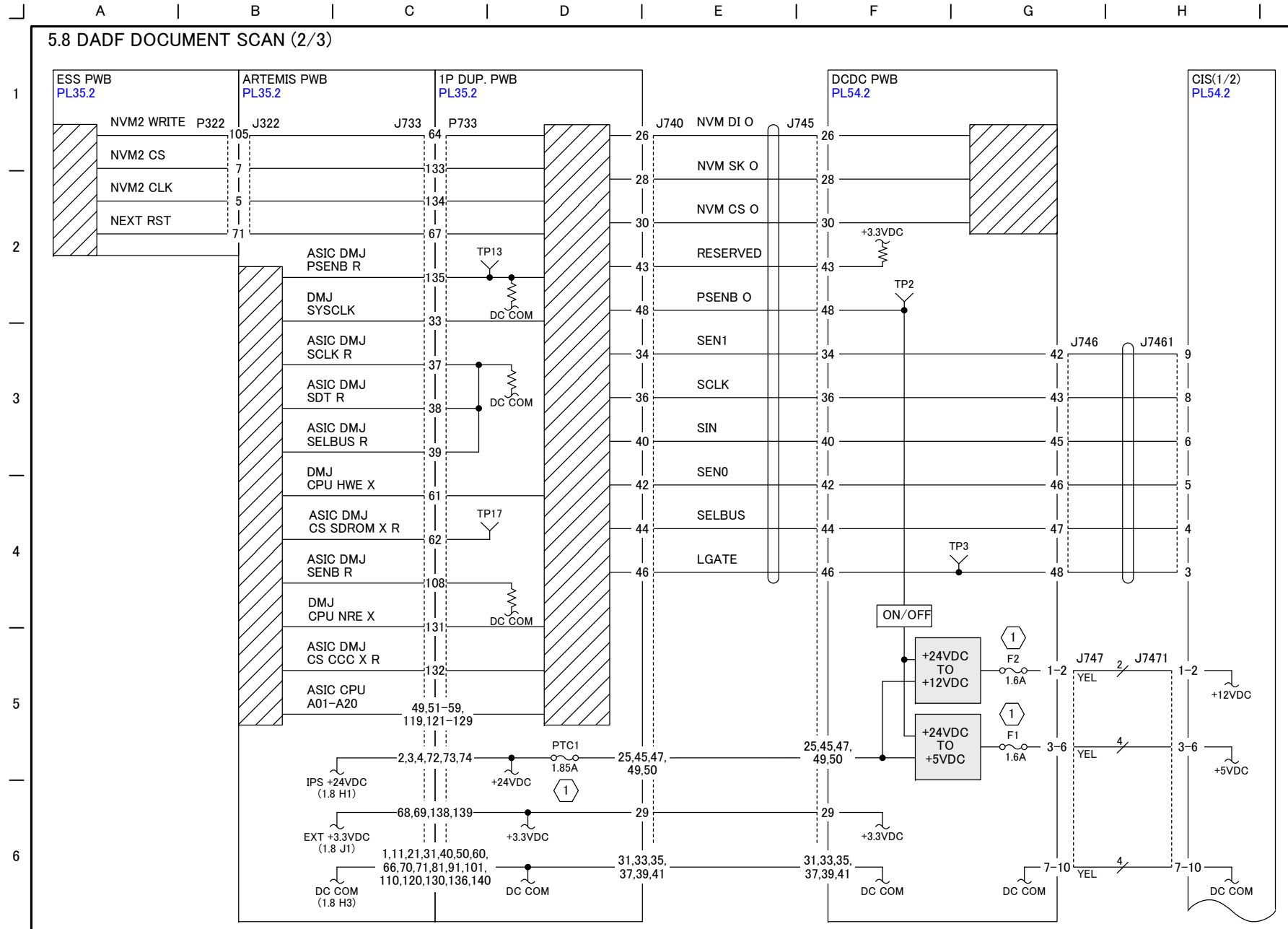
- 005-126
DADF Out Sensor On Jam
- 005-127
DADF Out Sensor Off Jam
- 005-154
DADF Holed Out Sensor Off Jam
- 005-910
DADF Out Sensor Static Jam



NOTE: 1 The operation speed and rotation direction vary depending on the diag code. These Diags turn the Motor ON for 50 seconds, and then turn it OFF automatically.

- 2 The winding resistance of DADF Platen Motor is 1.4Ω±10% (25°)
- 3 Actual voltage level is opposite to H/L displayed on UI for this diag code. On BSD the actual volt level is shown.

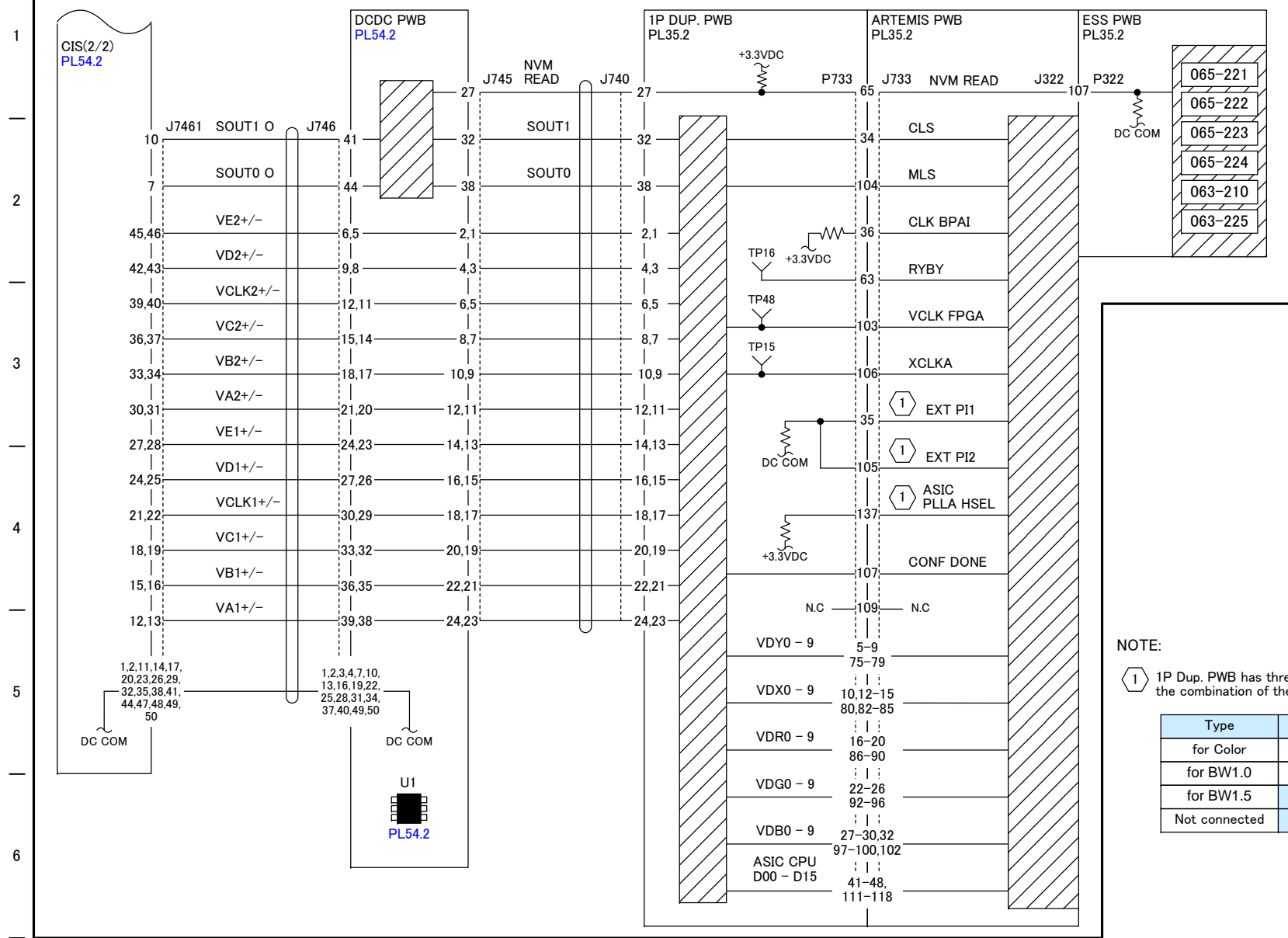
DADF Platen Motor	Rotation Direction	Operation Speed
DC330[005-037]	CCW	55.0mm/sec
DC330[005-038]	CCW	73.3mm/sec
DC330[005-039]	CCW	82.5mm/sec
DC330[005-041]	CCW	110.0mm/sec
DC330[005-042]	CCW	146.7mm/sec
DC330[005-043]	CCW	165.0mm/sec
DC330[005-044]	CCW	220.0mm/sec
DC330[005-045]	CCW	293.3mm/sec
DC330[005-046]	CCW	330.0mm/sec
DC330[005-047]	CCW	440.0mm/sec
DC330[005-085]	CCW	460.0mm/sec
DC330[005-096]	CCW	350.0mm/sec



NOTE:

1 Chip Fuse

5.9 DADF DOCUMENT SCAN (3/3)



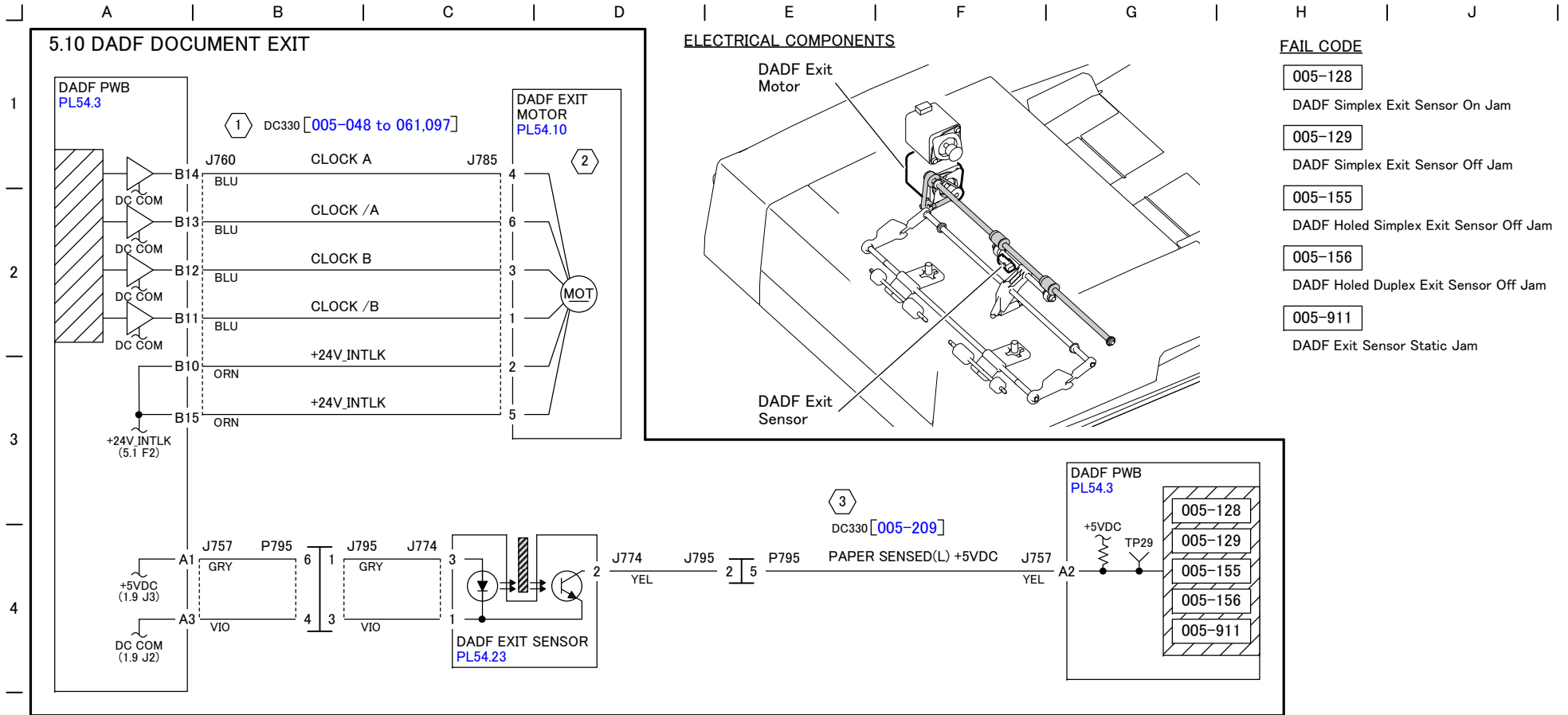
FAIL CODE

- 063-210 Extension EEPROM Fail
- 065-221 CIS AGC Fail
- 065-222 CIS AOC Fail
- 065-223 CIS Connection Fail
- 065-224 CIS Device Fail
- 065-225 CIS Fail

NOTE:

1 1P Dup. PWB has three types, and is identified by the combination of the PI1, PI2, and HSEL signals.

Type	PI1	PI2	HSEL
for Color	L	L	H
for BW1.0	L	H	L
for BW1.5	H	L	L
Not connected	H	H	-



NOTE: ① The operation speed and rotation direction vary depending on the diag code. These Diags turn the Motor ON for 50 seconds, and then turn it OFF automatically.

② The winding resistance of DADF Exit Motor is $3.0\Omega \pm 10\%$ (25°C).

③ Actual voltage level is opposite to H/L displayed on UI for this diag code. On BSD the actual volt level is shown.

DADF Exit Motor	Rotation Direction	Operation Speed
DC330[005-048]	CCW	55.0mm/sec
DC330[005-049]	CCW	73.3mm/sec
DC330[005-050]	CCW	82.5mm/sec
DC330[005-051]	CCW	110.0mm/sec
DC330[005-052]	CCW	146.7mm/sec
DC330[005-053]	CCW	165.0mm/sec
DC330[005-054]	CCW	220.0mm/sec

DADF Exit Motor	Rotation Direction	Operation Speed
DC330[005-057]	CCW	293.3mm/sec
DC330[005-058]	CCW	330.0mm/sec
DC330[005-059]	CCW	440.0mm/sec
DC330[005-060]	CCW	700.0mm/sec
DC330[005-061]	CCW	460.0mm/sec
DC330[005-097]	CCW	350.0mm/sec

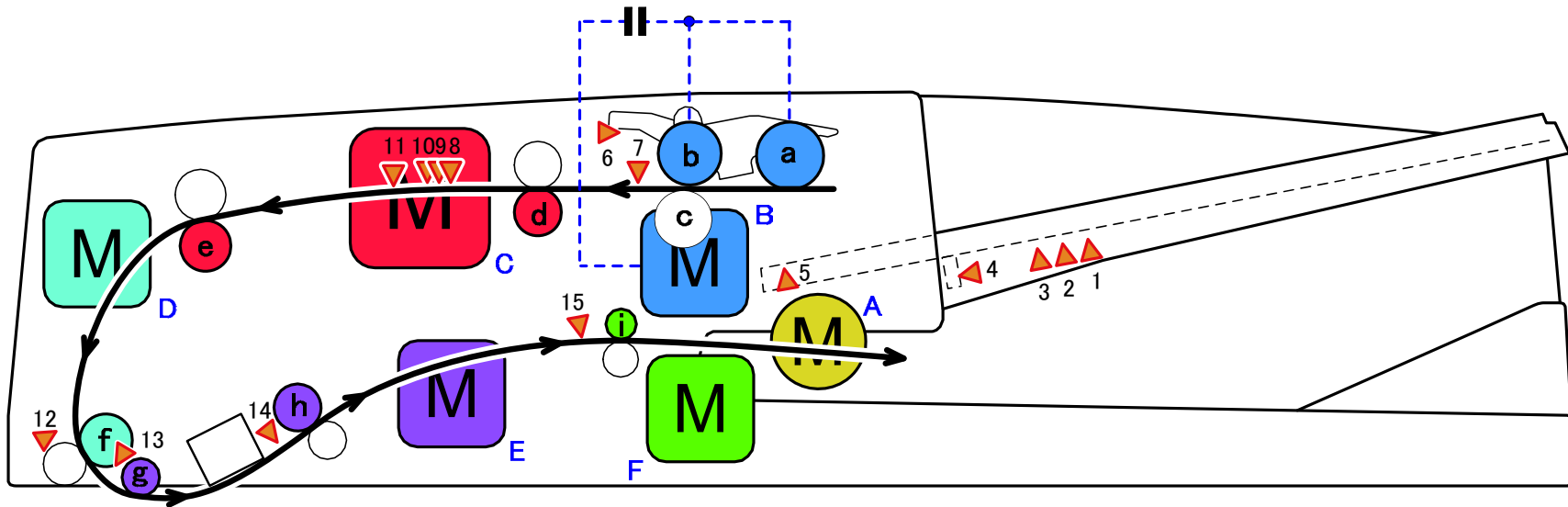
5.11 DOCUMENT PATH & DRIVE TRANSMISSION

No.	Sensor Name
1	DADF Tray APS Sensor 1
2	DADF Tray APS Sensor 2
3	DADF Tray APS Sensor 3
4	DADF Bottom Sensor
5	DADF Document Set Sensor
6	DADF Level Sensor
7	DADF Feed Sensor

No.	Sensor Name
8	DADF No.1 APS Sensor
9	DADF No.2 APS Sensor
10	DADF No.3 APS Sensor
11	DADF Pre Regi. Sensor
12	DADF Regi. Sensor
13	DADF Lead Regi. Sensor
14	DADF Out Sensor
15	DADF Exit Sensor

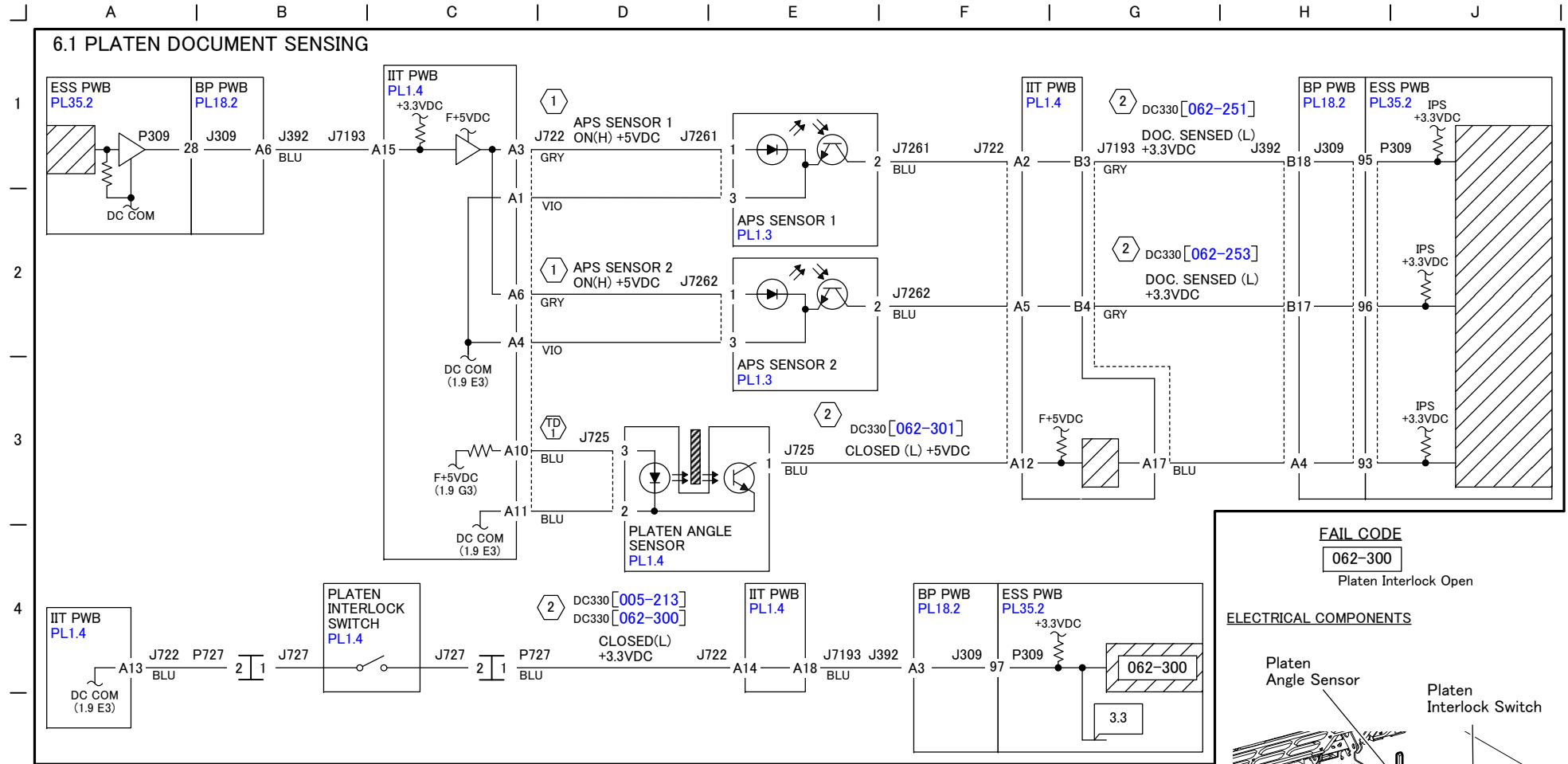
No.	Motor Name
A	DADF Tray Motor
B	DADF Feed Motor
C	DADF Pre Regi. Motor
D	DADF Regi. Motor
E	DADF Platen Motor
F	DADF Exit Motor

No.	Roll Name
a	Nudger Roll
b	Feed Roll
c	Retard Roll
d	Take Away Roll
e	Pre Regi. Roll
f	Regi. Roll
g	Platen Roll
h	Out Roll
i	Exit Roll



Legend: M Stepping Motor M DC Motor Clutch One-way Clutch ▼ Sensor

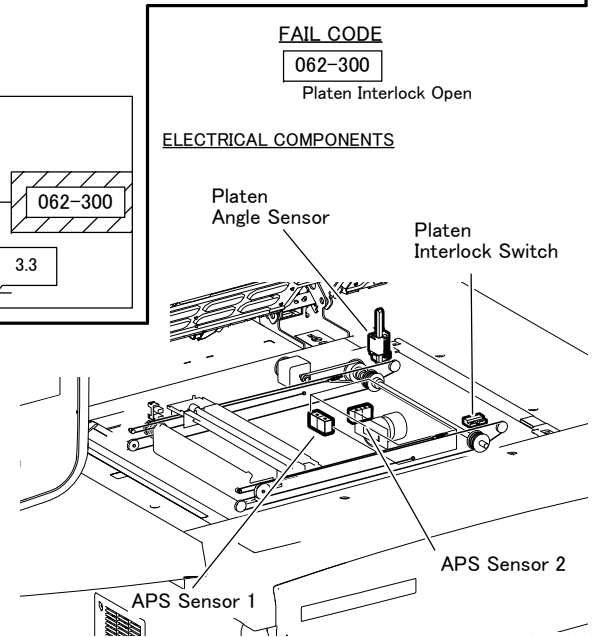
j0pr730511

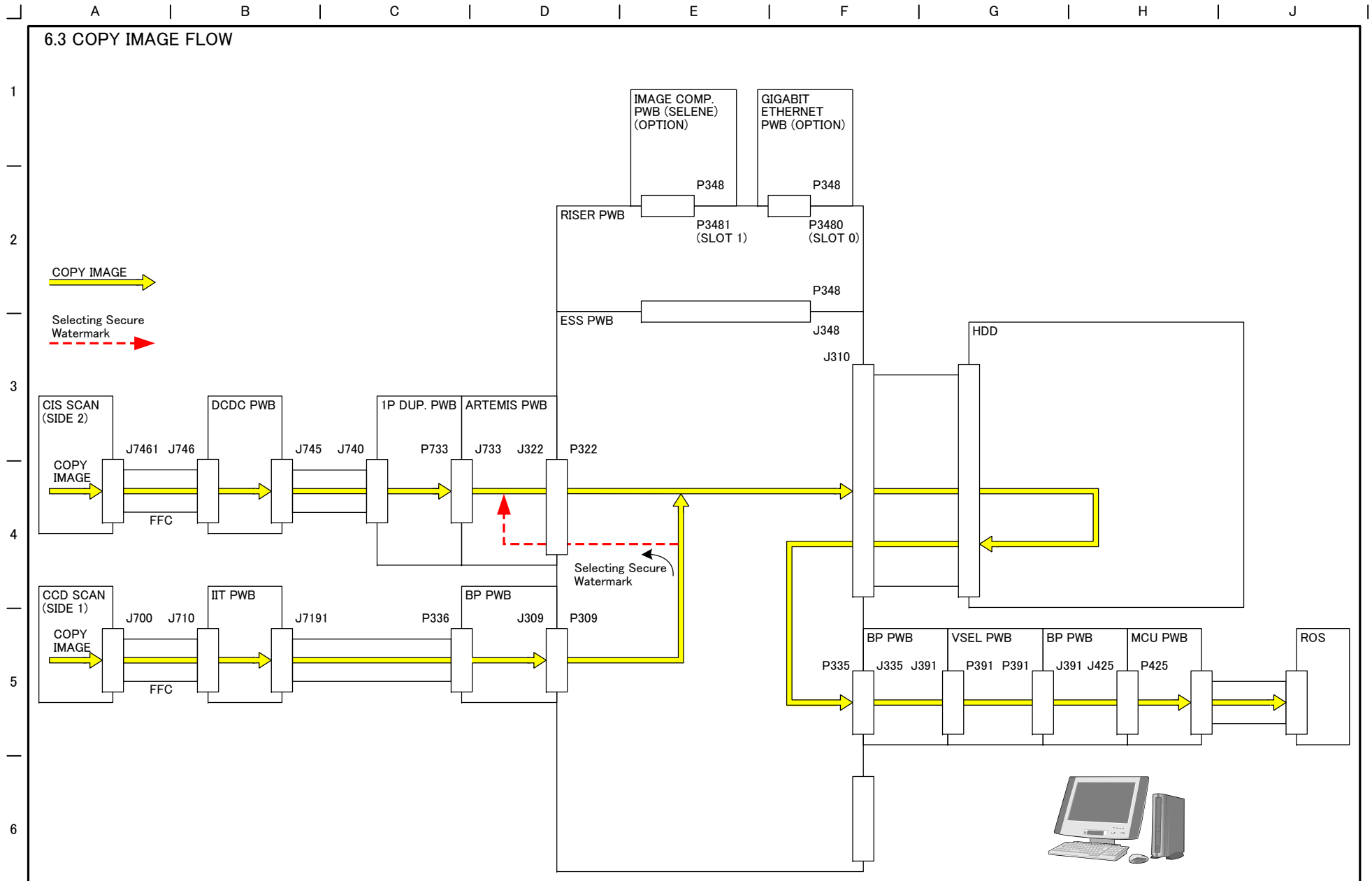


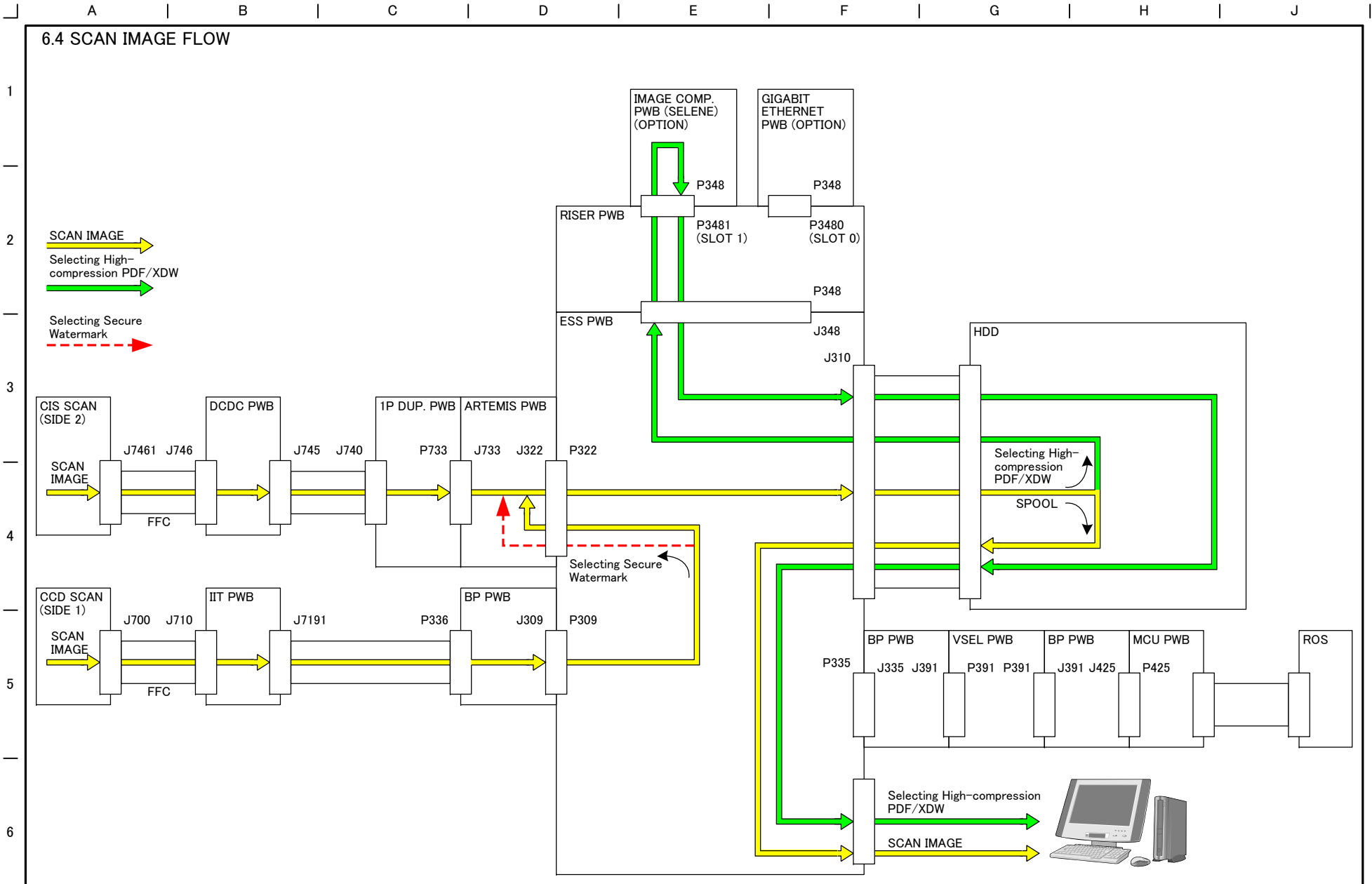
NOTE:

- ① When DC330[062-251 or 253] is turned ON, power is supplied to APS Sensor 1/2.
- ② Actual voltage level is opposite to H/L displayed on UI for this diag code. On BSD the actual volt level is shown.

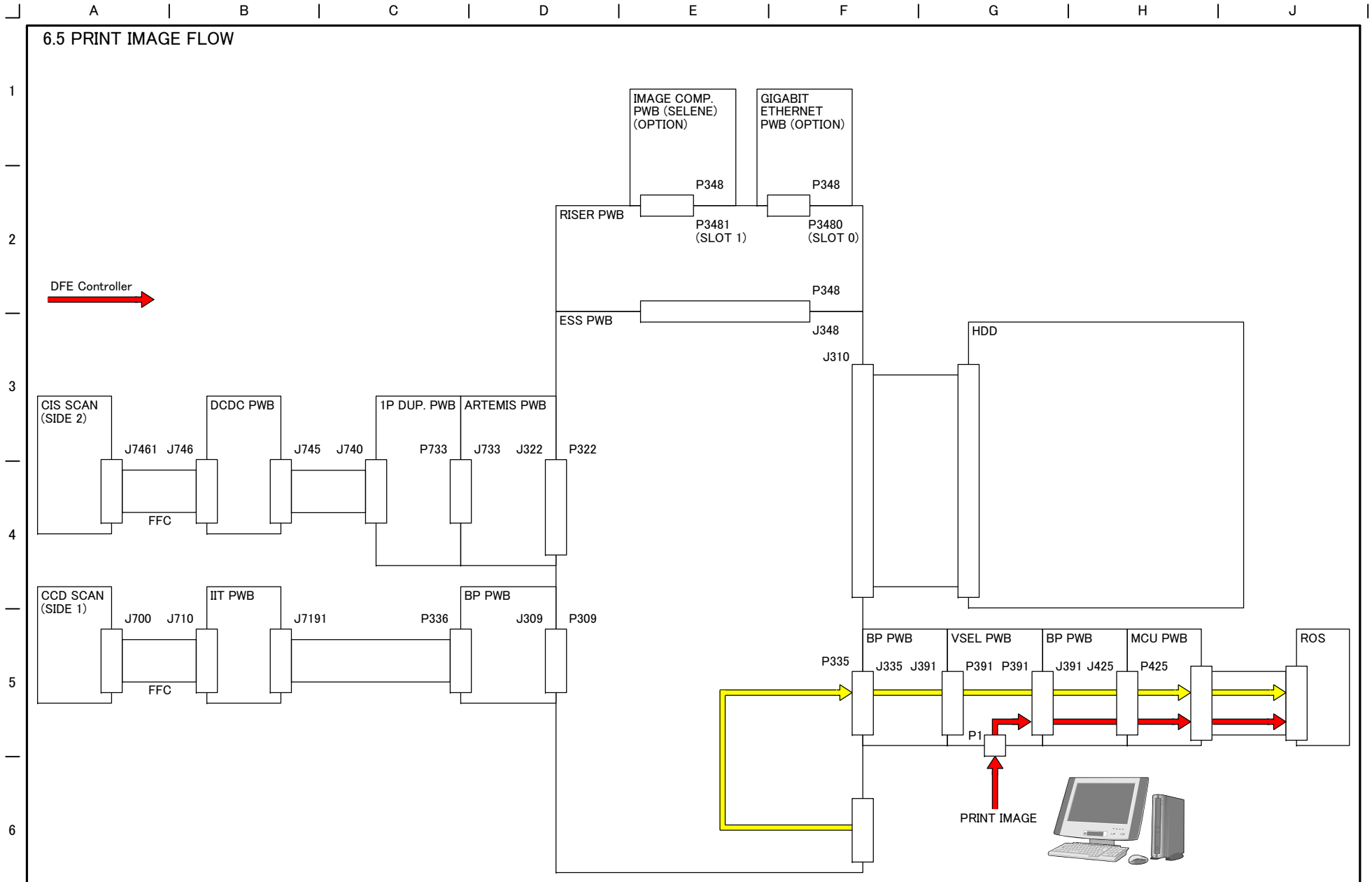
TD 1 Test Point: IIT PWB J722-A10(+ to GND(-)
With Sensor connected, approx. +1.21VDC



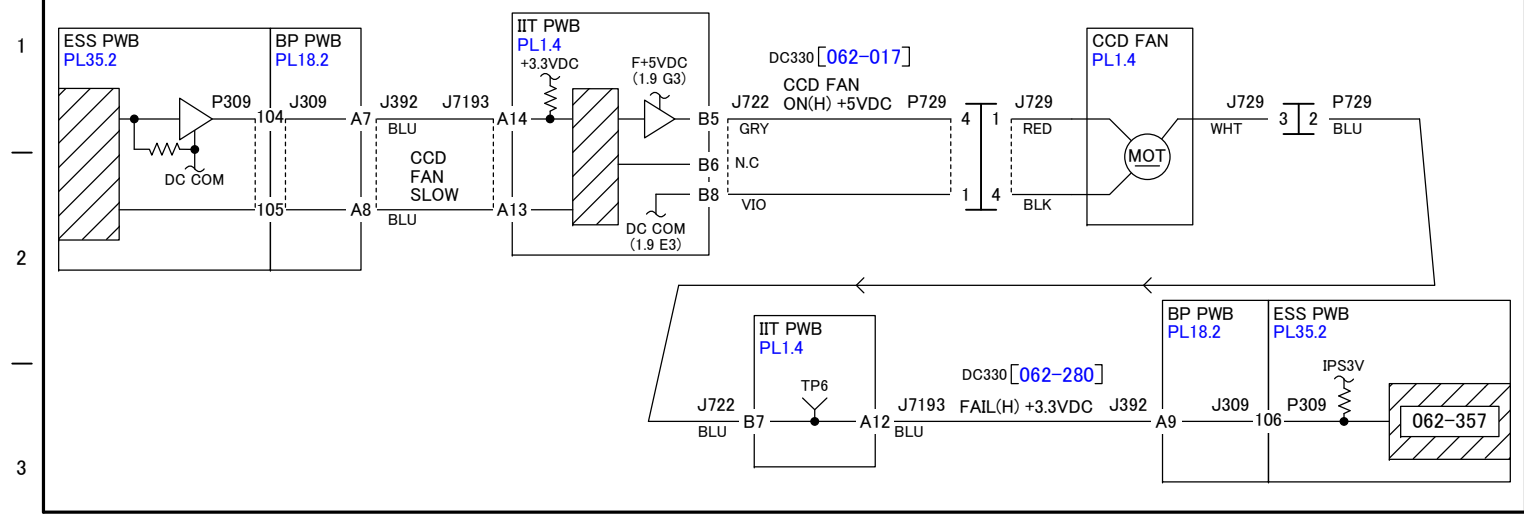




j0pr730604

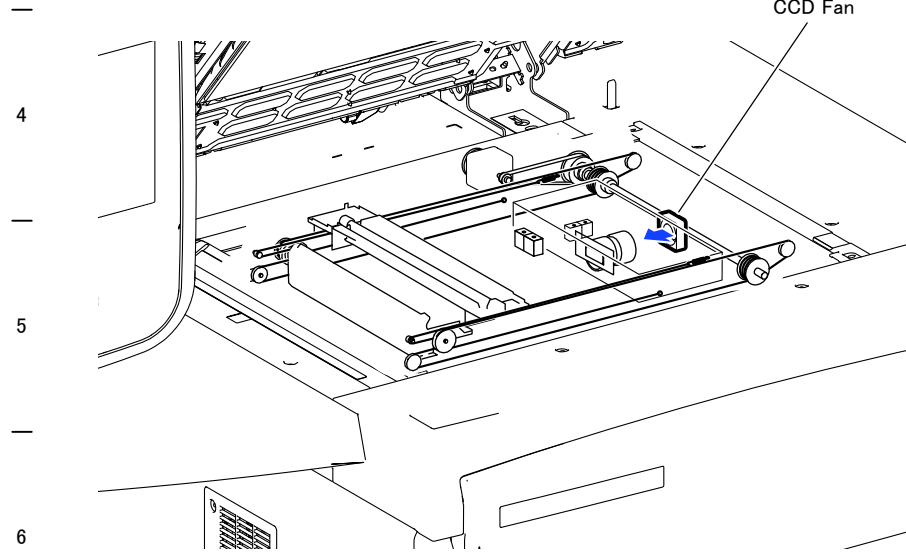


6.6 IMAGE INPUT (1/3)

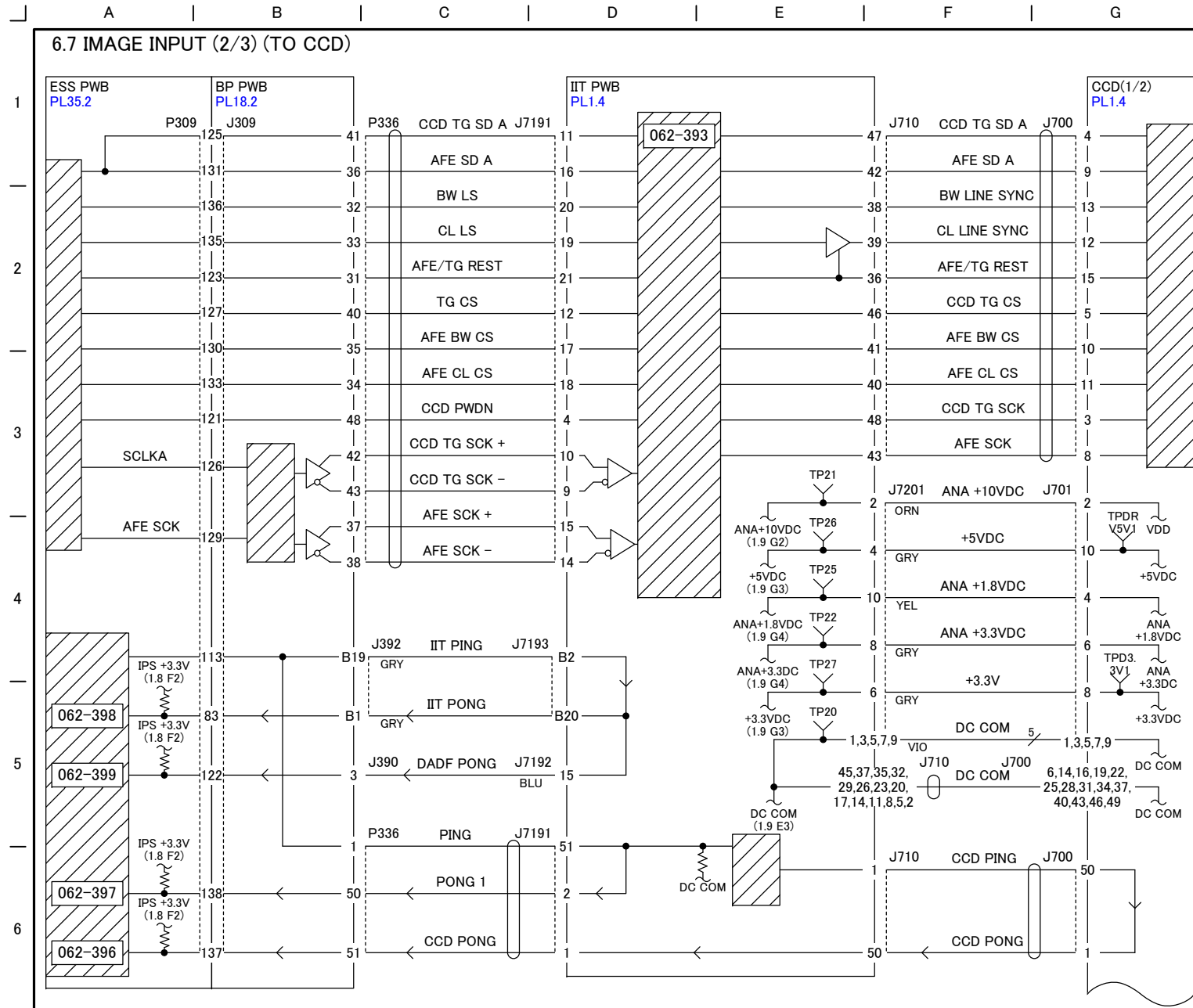


FAIL CODE
 062-357
 CCD Fan Fail

ELECTRICAL COMPONENTS



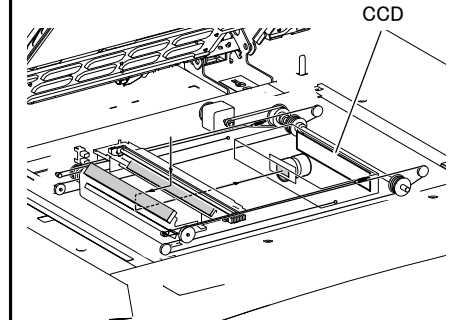
- ⊗ ADJ 1.1.2
IIT Lead Edge Registration
- ⊗ ADJ 1.1.3
IIT Side Registration
- ⊗ ADJ 1.1.4
IIT Vertical/Horizontal Reduce/Enlarge
- ⊗ ADJ 1.1.5
DC945: IIT Calibration



FAIL CODE

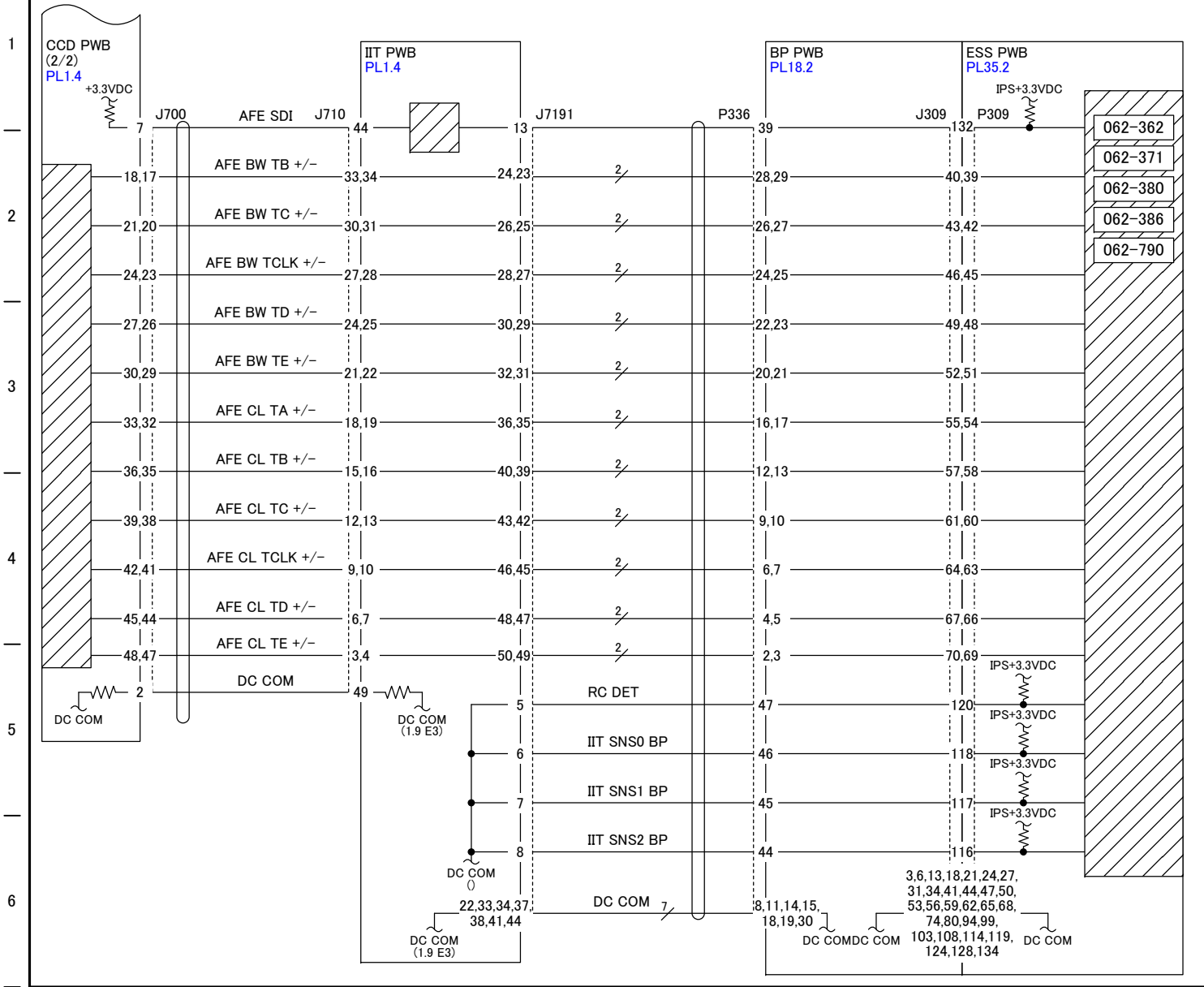
- 062-393**
CCD PWB Sync Signal Fail
- 062-396**
CCD Cable Connection Fail
- 062-397**
IIT-Cont Video Cable Connection Fail
- 062-398**
IIT-Cont I/O Cable Connection Fail
- 062-399**
DADF-Cont I/O Cable Connection Fail

ELECTRICAL COMPONENTS



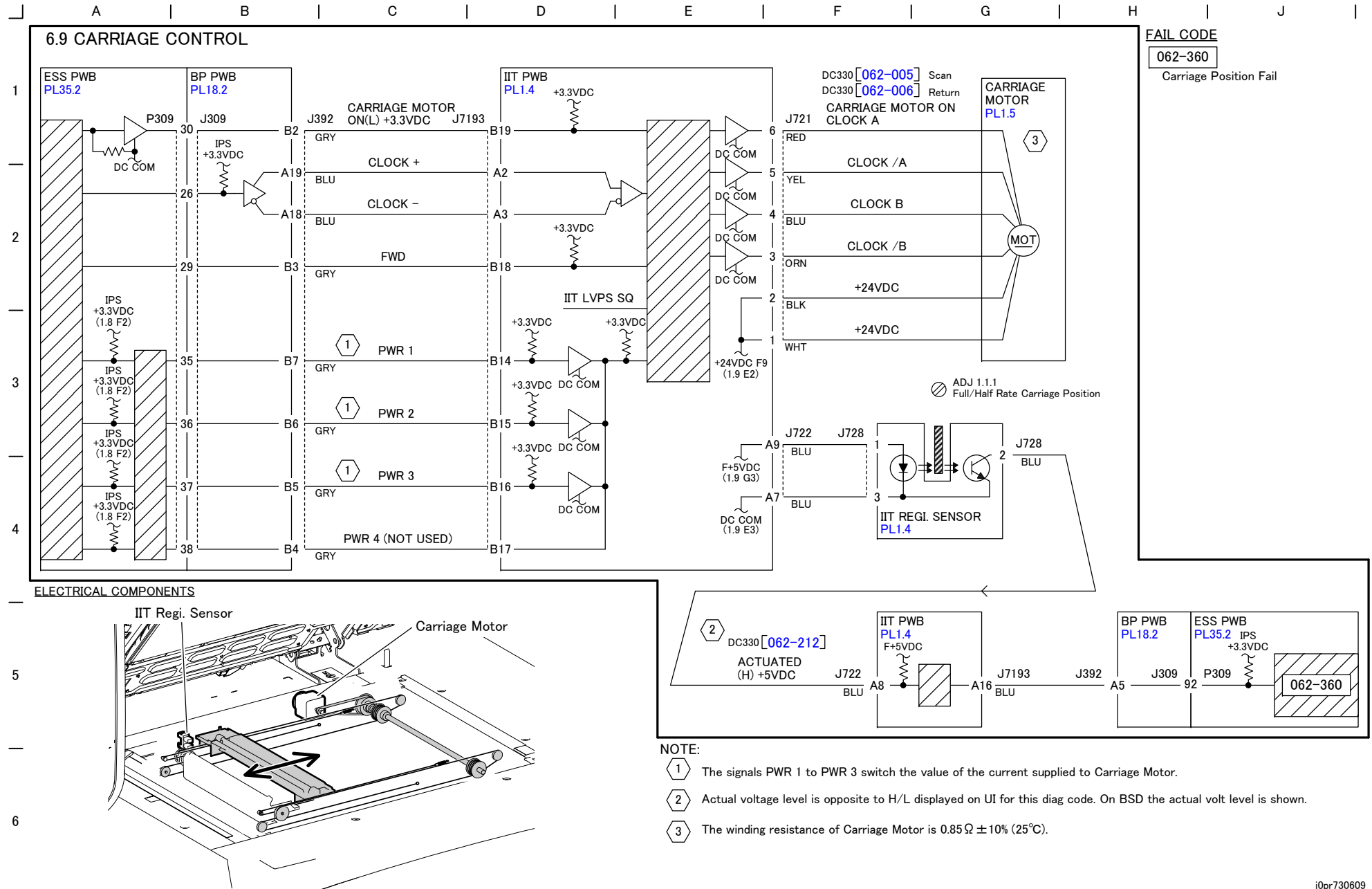
A | B | C | D | E | F | G | H | J

6.8 IMAGE INPUT (3/3) (FROM CCD)

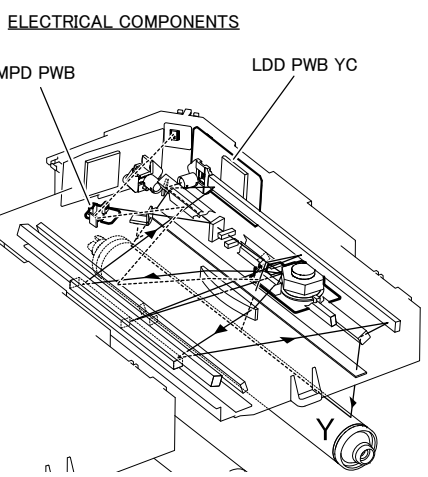
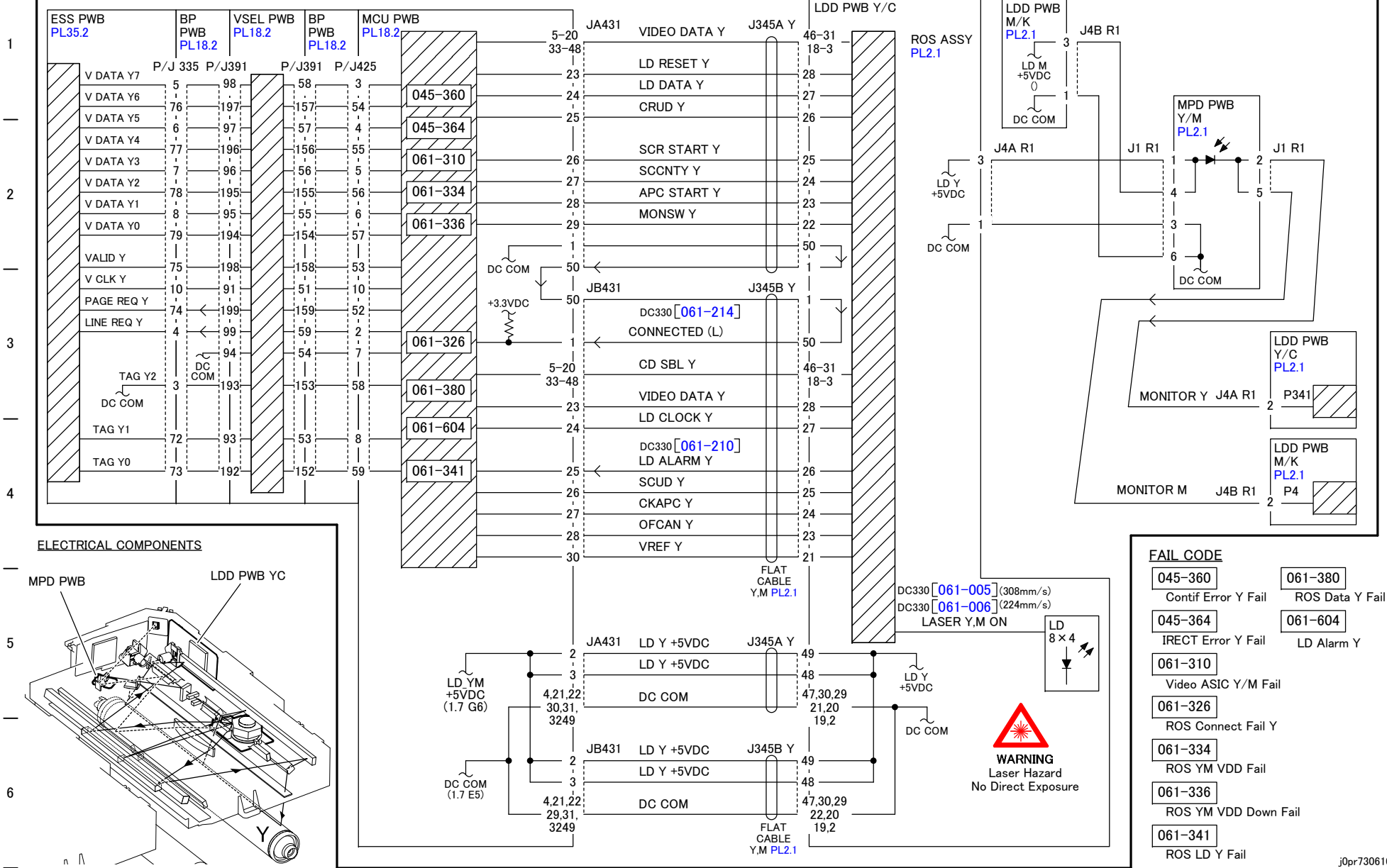


FAIL CODE

- 062-362
X Hard Fail
- 062-371
Lamp Illumination Fail
- 062-380
AGC Fail
- 062-386
AOC Fail
- 062-790
PreIPS X Recognition Fail



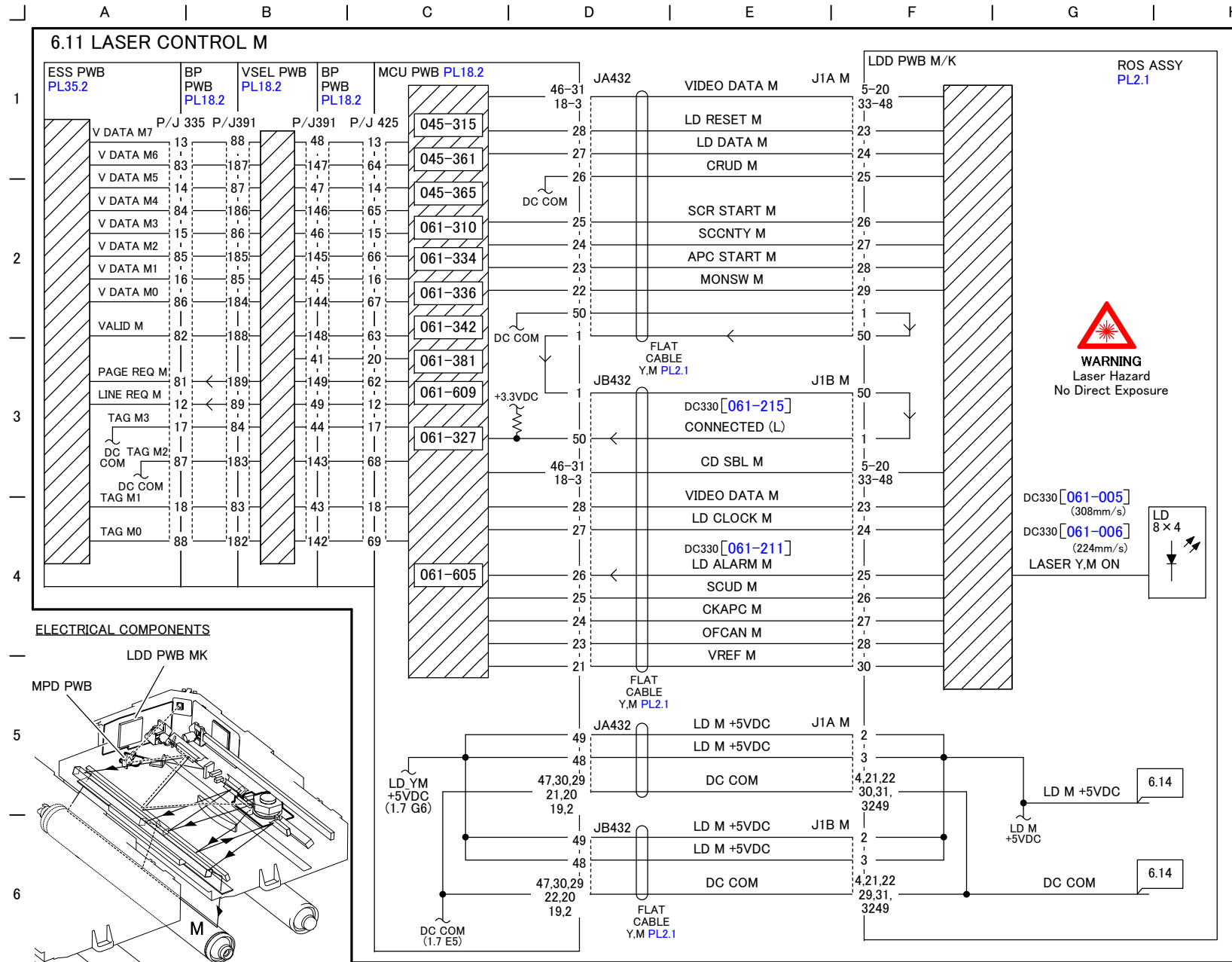
6.10 LASER CONTROL Y



FAIL CODE

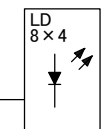
045-360	061-380
Contif Error Y Fail	ROS Data Y Fail
045-364	061-604
IRECT Error Y Fail	LD Alarm Y
061-310	
Video ASIC Y/M Fail	
061-326	
ROS Connect Fail Y	
061-334	
ROS YM VDD Fail	
061-336	
ROS YM VDD Down Fail	
061-341	
ROS LD Y Fail	

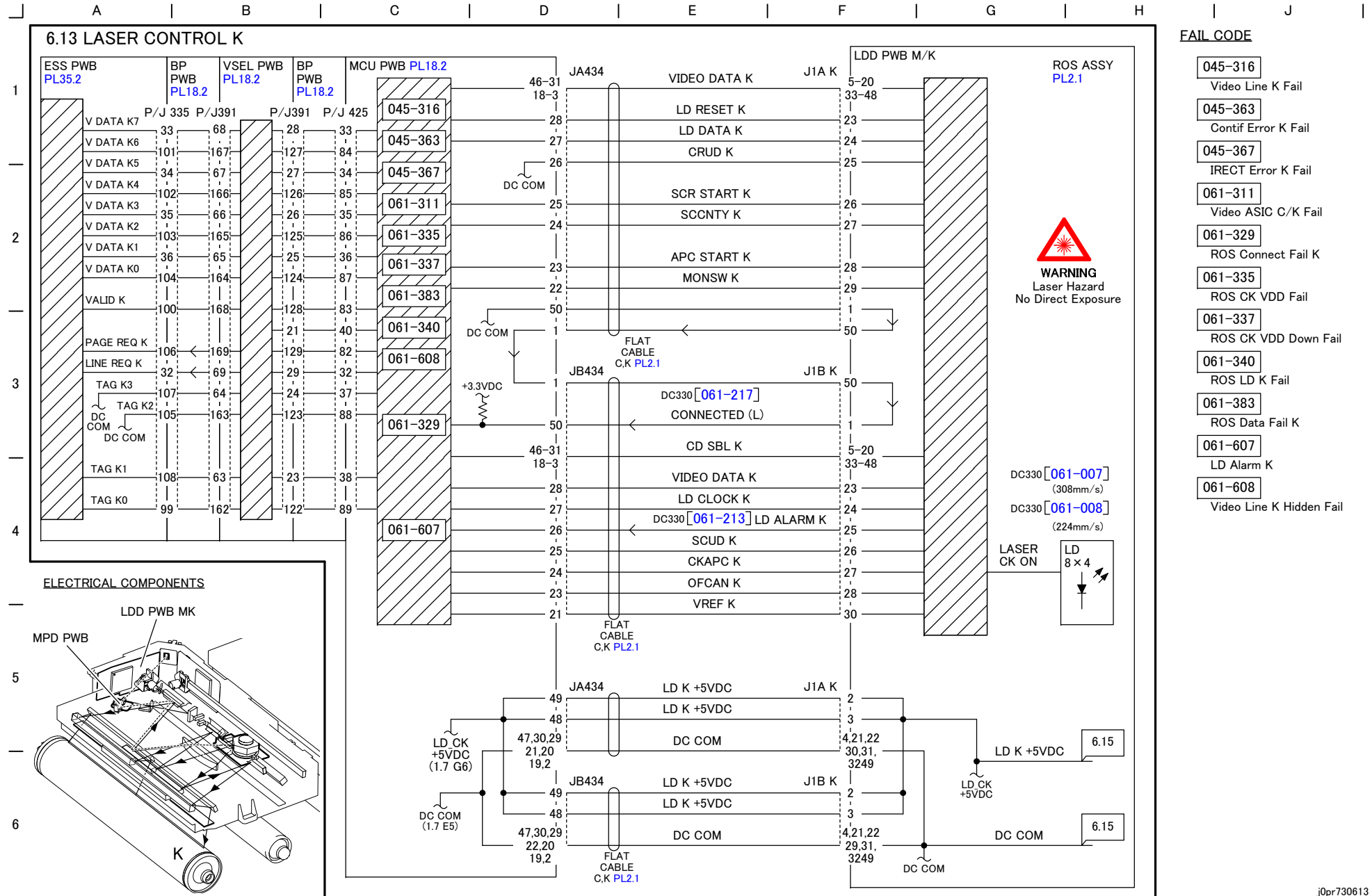
j0pr730610

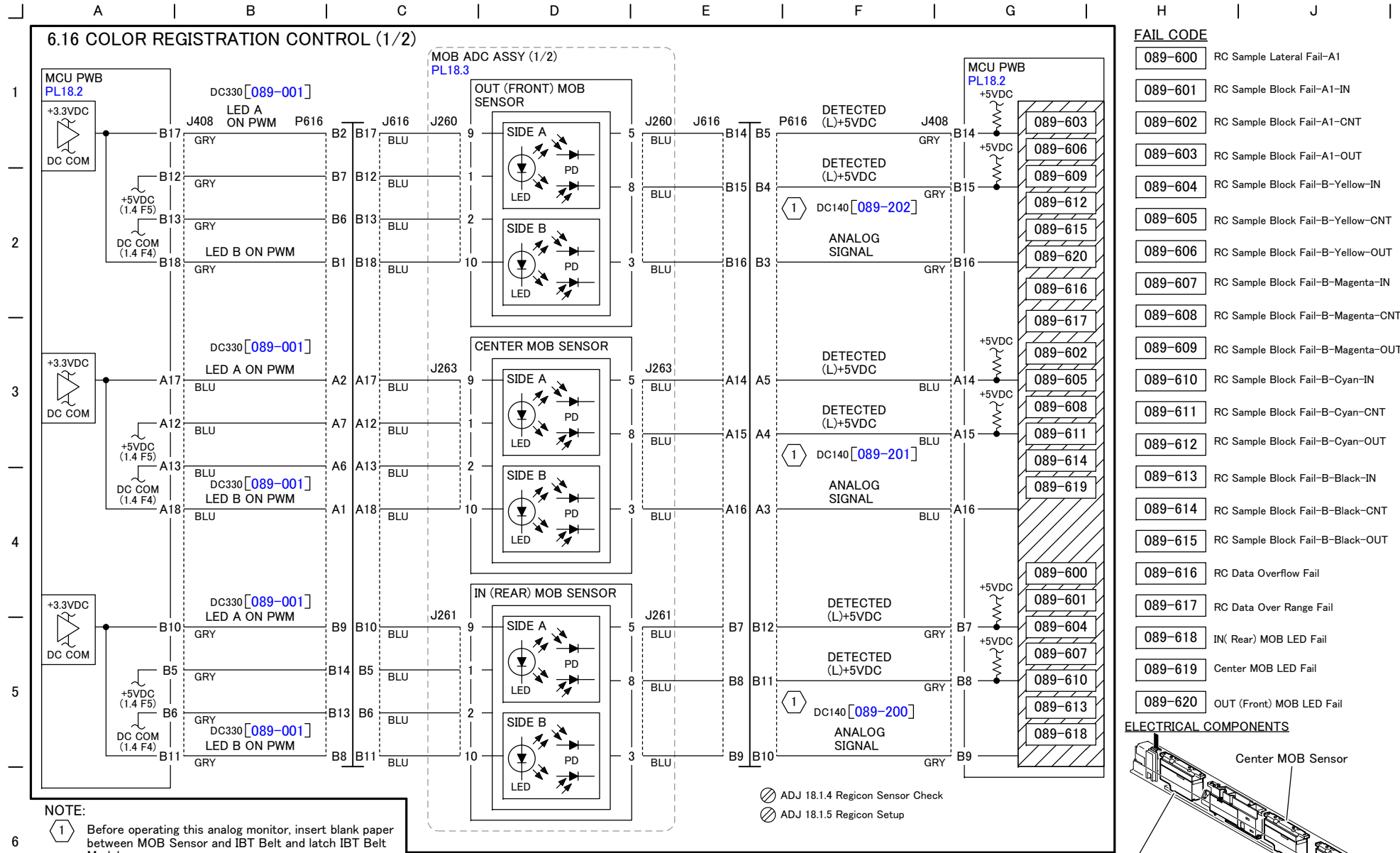


FAIL CODE

- 045-315**
Video Line M Fail
- 045-361**
Contif Error M Fail
- 045-365**
IRECT Error M Fail
- 061-310**
Video ASIC Y/M Fail
- 061-327**
ROS Connect Fail M
- 061-334**
ROS YM VDD Fail
- 061-336**
ROS YM VDD Down Fail
- 061-342**
ROS LD M Fail
- 061-381**
ROS Data Fail M
- 061-605**
LD Alarm M
- 061-609**
Video Line M Hidden Fail



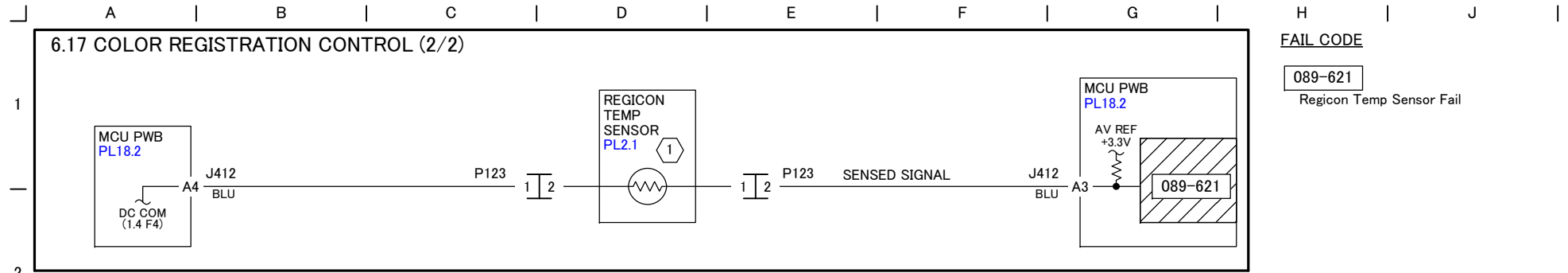




NOTE:

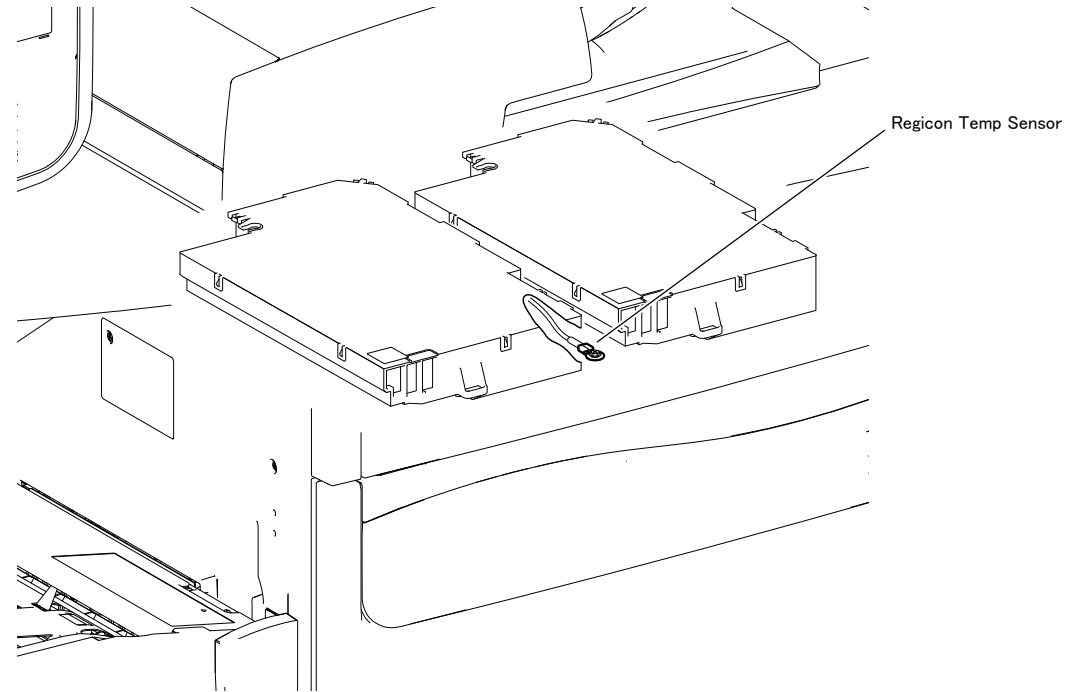
1 Before operating this analog monitor, insert blank paper between MOB Sensor and IBT Belt and latch IBT Belt Module.
Turn ON DC330[092-004] (Shutter Open).
Value with blank paper inserted: approx. 290
IBT Belt Value (no blank paper): approx. 430

- ⊖ ADJ 18.1.4 Region Sensor Check
- ⊖ ADJ 18.1.5 Region Setup

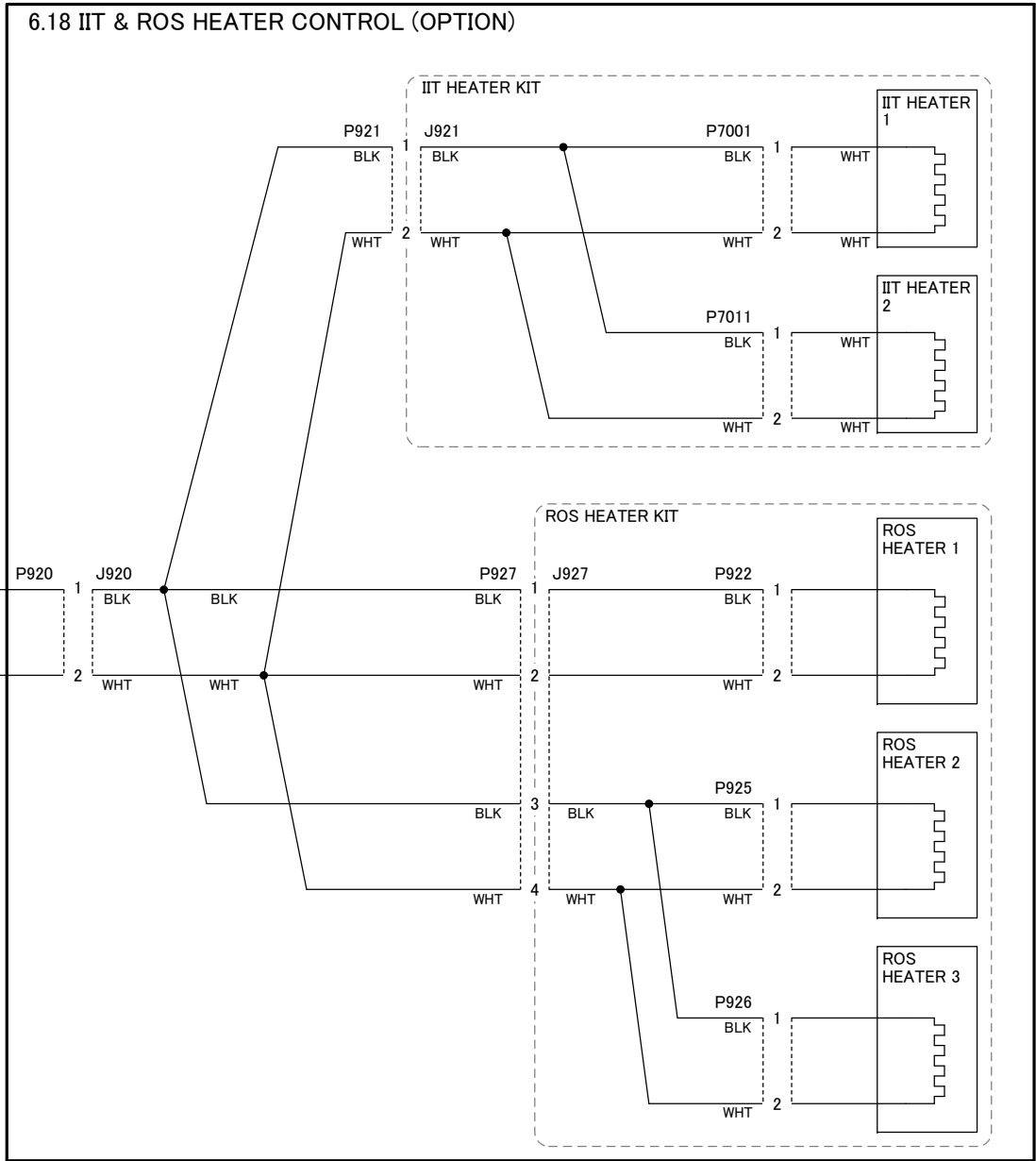


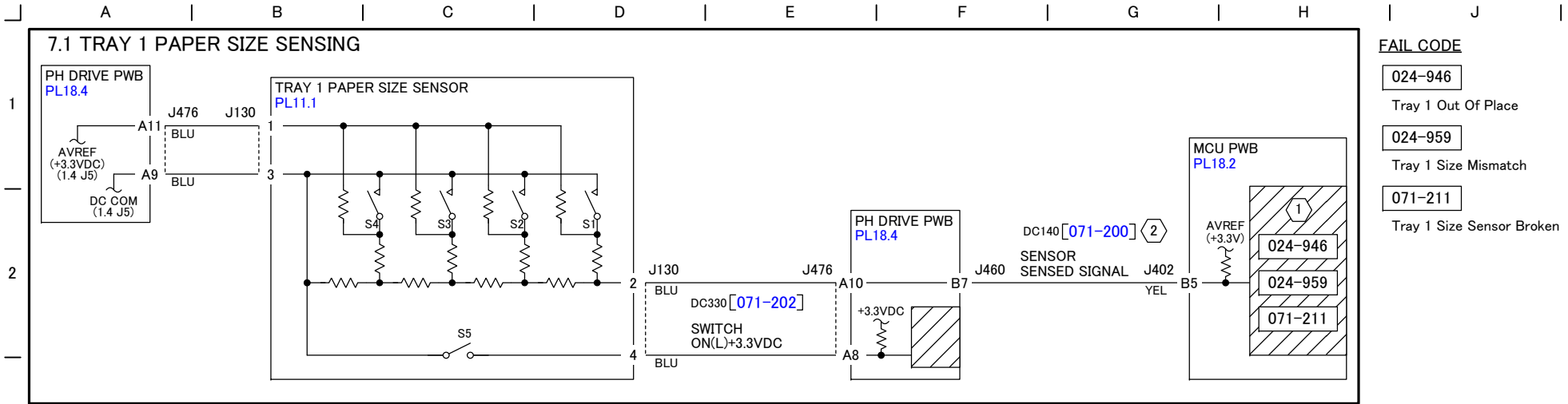
NOTE: (1) Resistance value: $10k\Omega \pm 10\%$ (at air temp. of $25^{\circ}C$)

ELECTRICAL COMPONENTS



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NOTE:

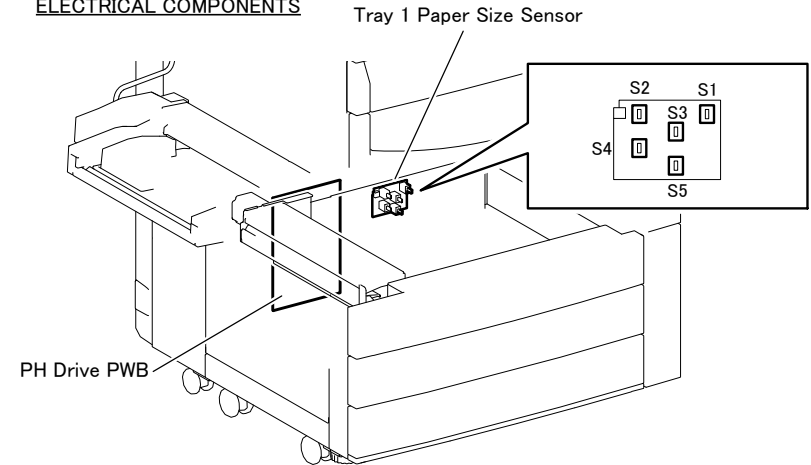
1 Paper size is sensed by voltage corresponding to combined resistance of Paper Size Sensor and SW5 ON/OFF. The table below shows paper size corresponding to Switch ON/OFF combination pattern and voltage.

2 DC140[071-200] displays the AD value of Tray 1 Paper Size Sensor.
 Normal output range : 0-1023
 A4L loaded : 304-365
 B5S loaded : 735-796
 Tray not installed : 922-989
 Sensor failure : 990-1023

Paper Size	S1	S2	S3	S4	S5	Voltage (J402-B5)
No Tray	OFF	OFF	OFF	OFF	OFF	3.08
A5S/5.5"X8.5"S (*1)	OFF	OFF	ON	OFF	OFF	2.67
B5S	OFF	OFF	ON	ON	ON	2.46
8.5"X13"S	OFF	ON	OFF	ON	OFF	2.06
8.5"X14"S	OFF	ON	OFF	ON	ON	
A4S/DT Spe. A4S (*1)	OFF	ON	ON	OFF	OFF	1.86
8.5"X11"S	OFF	ON	ON	OFF	ON	
-/DT Spe. A4S	OFF	ON	ON	ON	OFF	1.66
8"X10"S	OFF	ON	ON	ON	ON	
12.6"X19.2"S/13"X19"S (*1)	ON	OFF	OFF	OFF	ON	1.48
SRA3S/12"X18"S/13"X18"S (*1)	ON	OFF	OFF	ON	ON	1.27
A4L/DT Spe. A4L(*1)	ON	OFF	ON	OFF	OFF	1.07
-/DT Spe. A4L	ON	OFF	ON	OFF	ON	
A3S/DT Spe. A4L (*1)	ON	OFF	ON	ON	OFF	0.88
DT Spe. A3S	ON	OFF	ON	ON	ON	
B5L/7.25"X10.5"L (*1) (*2)	ON	ON	OFF	OFF	ON	0.69
8KS(FXCL/TFX)(*3)	ON	ON	OFF	ON	OFF	0.49
B4S	ON	ON	OFF	ON	ON	
8.5"X11"L	ON	ON	ON	OFF	OFF	0.30
16KL(FXCL/TFX)(*3)/7.25"X10.5"L (*1) (*2)	ON	ON	ON	OFF	ON	
11"X17"S	ON	ON	ON	ON	ON	0.10

Any combination other than the above leads to an undefined size.

ELECTRICAL COMPONENTS

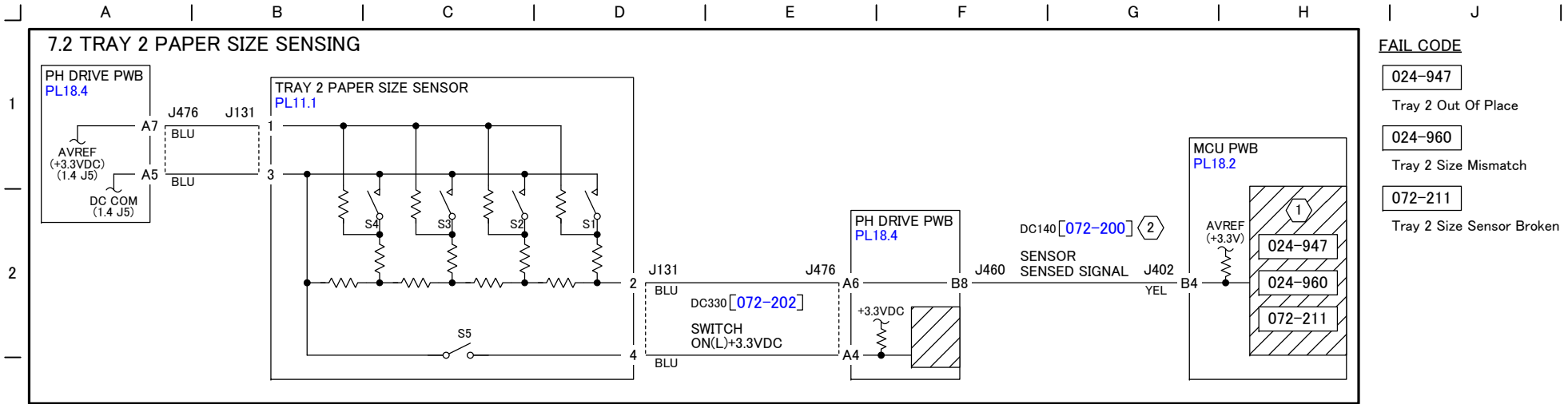


--: Size undefined

*1: Switching between the paper sizes is done in diag (NVM).

*2: When either paper size is changed, the new one applies to all the trays.

*3: Switching between FXCL and TFX for size sensing is done by country code.



NOTE:

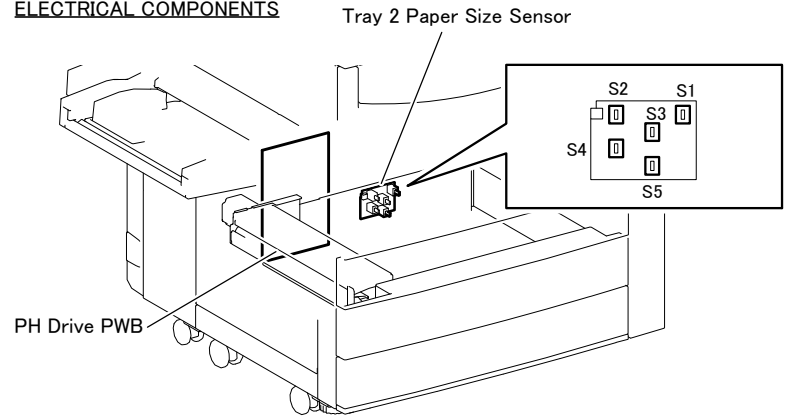
① Paper size is sensed by voltage corresponding to combined resistance of Paper Size Sensor and SW5 ON/OFF. The table below shows paper size corresponding to Switch ON/OFF combination pattern and voltage.

Paper Size	S1	S2	S3	S4	S5	Voltage (J402-B4)
No Tray	OFF	OFF	OFF	OFF	OFF	3.08
A5S/5.5"X8.5"S (*1)	OFF	OFF	ON	OFF	OFF	2.67
B5S	OFF	OFF	ON	ON	ON	2.46
8.5"X13"S	OFF	ON	OFF	ON	OFF	2.06
8.5"X14"S	OFF	ON	OFF	ON	ON	
A4S/DT Spe. A4S (*1)	OFF	ON	ON	OFF	OFF	1.86
8.5"X11"S	OFF	ON	ON	OFF	ON	
-/DT Spe. A4S	OFF	ON	ON	ON	OFF	1.66
8"X10"S	OFF	ON	ON	ON	ON	
12.6"X19.2"S/13"X19"S (*1)	ON	OFF	OFF	OFF	ON	1.48
SRA3S/12"X18"S/13"X18"S (*1)	ON	OFF	OFF	ON	ON	1.27
A4L/DT Spe. A4L(*1)	ON	OFF	ON	OFF	OFF	1.07
-/DT Spe. A4L	ON	OFF	ON	OFF	ON	
A3S/DT Spe. A4L (*1)	ON	OFF	ON	ON	OFF	0.88
DT Spe. A3S	ON	OFF	ON	ON	ON	
B5L/7.25"X10.5"L (*1) (*2)	ON	ON	OFF	OFF	ON	0.69
8KS(FXCL/TFX)(*3)	ON	ON	OFF	ON	OFF	0.49
B4S	ON	ON	OFF	ON	ON	
8.5"X11"L	ON	ON	ON	OFF	OFF	0.30
16KL(FXCL/TFX)(*3)/7.25"X10.5"L (*1) (*2)	ON	ON	ON	OFF	ON	
11"X17"S	ON	ON	ON	ON	ON	0.10

Any combination other than the above leads to an undefined size.

② DC140[072-200] displays the AD value of Tray 1 Paper Size Sensor.
 Normal output range : 0-1023
 A4L loaded : 304-365
 B5S loaded : 735-796
 Tray not installed : 922-989
 Sensor failure : 990-1023

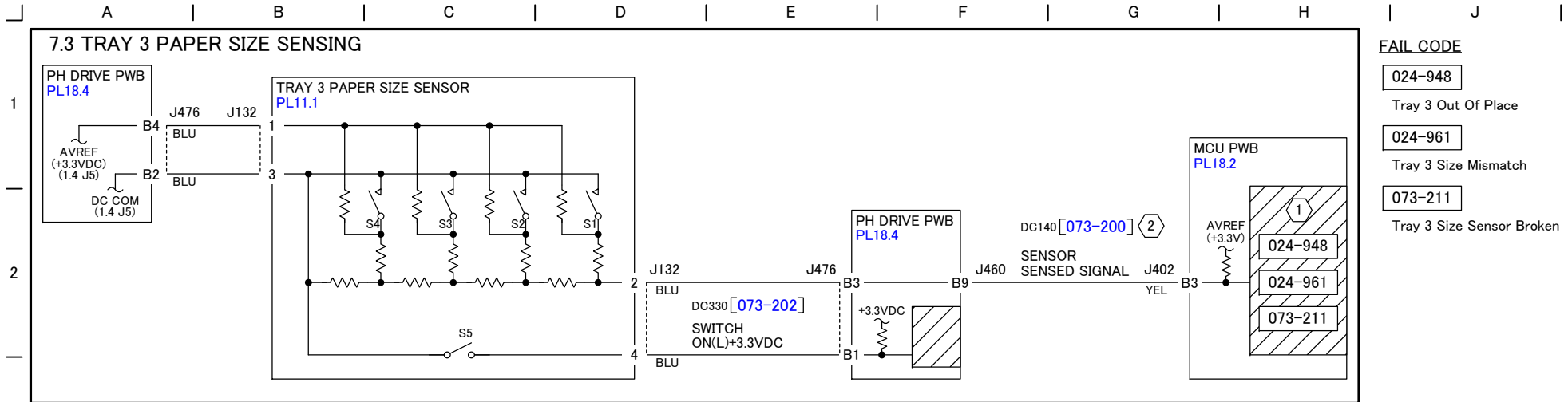
ELECTRICAL COMPONENTS



- : Size undefined
- *1: Switching between the paper sizes is done in diag (NVM).
- *2: When either paper size is changed, the new one applies to all the trays.
- *3: Switching between FXCL and TFX for size sensing is done by country code.

FAIL CODE

- 024-947
Tray 2 Out Of Place
- 024-960
Tray 2 Size Mismatch
- 072-211
Tray 2 Size Sensor Broken



NOTE:

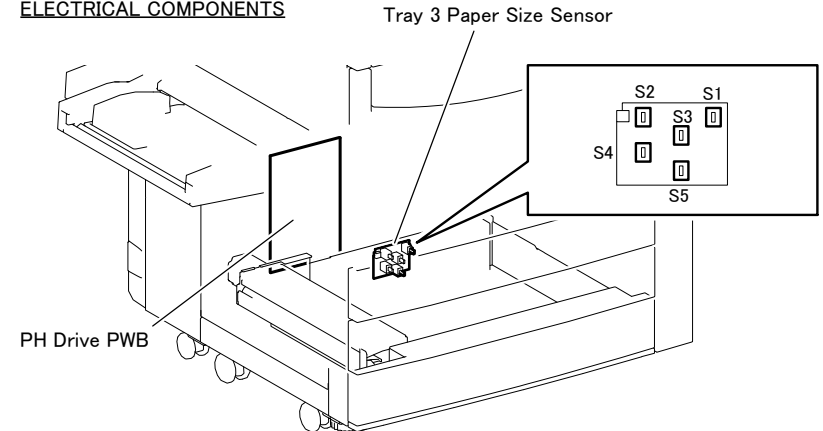
① Paper size is sensed by voltage corresponding to combined resistance of Paper Size Sensor and SW5 ON/OFF. The table below shows paper size corresponding to Switch ON/OFF combination pattern and voltage.

② DC140[073-200] displays the AD value of Tray 1 Paper Size Sensor.
 Normal output range : 0-1023
 A4L loaded : 304-365
 B5S loaded : 735-796
 Tray not installed : 922-989
 Sensor failure : 990-1023

Paper Size	S1	S2	S3	S4	S5	Voltage (J402-B4)
No Tray	OFF	OFF	OFF	OFF	OFF	3.08
A5S/5.5"X8.5"S (*1)	OFF	OFF	ON	OFF	OFF	2.67
B5S	OFF	OFF	ON	ON	ON	2.46
8.5"X13"S	OFF	ON	OFF	ON	OFF	2.06
8.5"X14"S	OFF	ON	OFF	ON	ON	1.86
A4S/DT Spe. A4S (*1)	OFF	ON	ON	OFF	OFF	1.66
8.5"X11"S	OFF	ON	ON	OFF	ON	1.66
-/DT Spe. A4S	OFF	ON	ON	ON	OFF	1.66
8"X10"S	OFF	ON	ON	ON	ON	1.48
12.6"X19.2"S/13"X19"S (*1)	ON	OFF	OFF	OFF	ON	1.48
SRA3S/12"X18"S/13"X18"S (*1)	ON	OFF	OFF	ON	ON	1.27
A4L/DT Spe. A4L(*1)	ON	OFF	ON	OFF	OFF	1.07
-/DT Spe. A4L	ON	OFF	ON	OFF	ON	1.07
A3S/DT Spe. A4L (*1)	ON	OFF	ON	ON	OFF	0.88
DT Spe. A3S	ON	OFF	ON	ON	ON	0.88
B5L/7.25"X10.5"L (*1) (*2)	ON	ON	OFF	OFF	ON	0.69
8KS(FXCL/TFX)(*3)	ON	ON	OFF	ON	OFF	0.49
B4S	ON	ON	OFF	ON	ON	0.49
8.5"X11"L	ON	ON	ON	OFF	OFF	0.30
16KL(FXCL/TFX)(*3)/7.25"X10.5"L (*1) (*2)	ON	ON	ON	OFF	ON	0.30
11"X17"S	ON	ON	ON	ON	ON	0.10

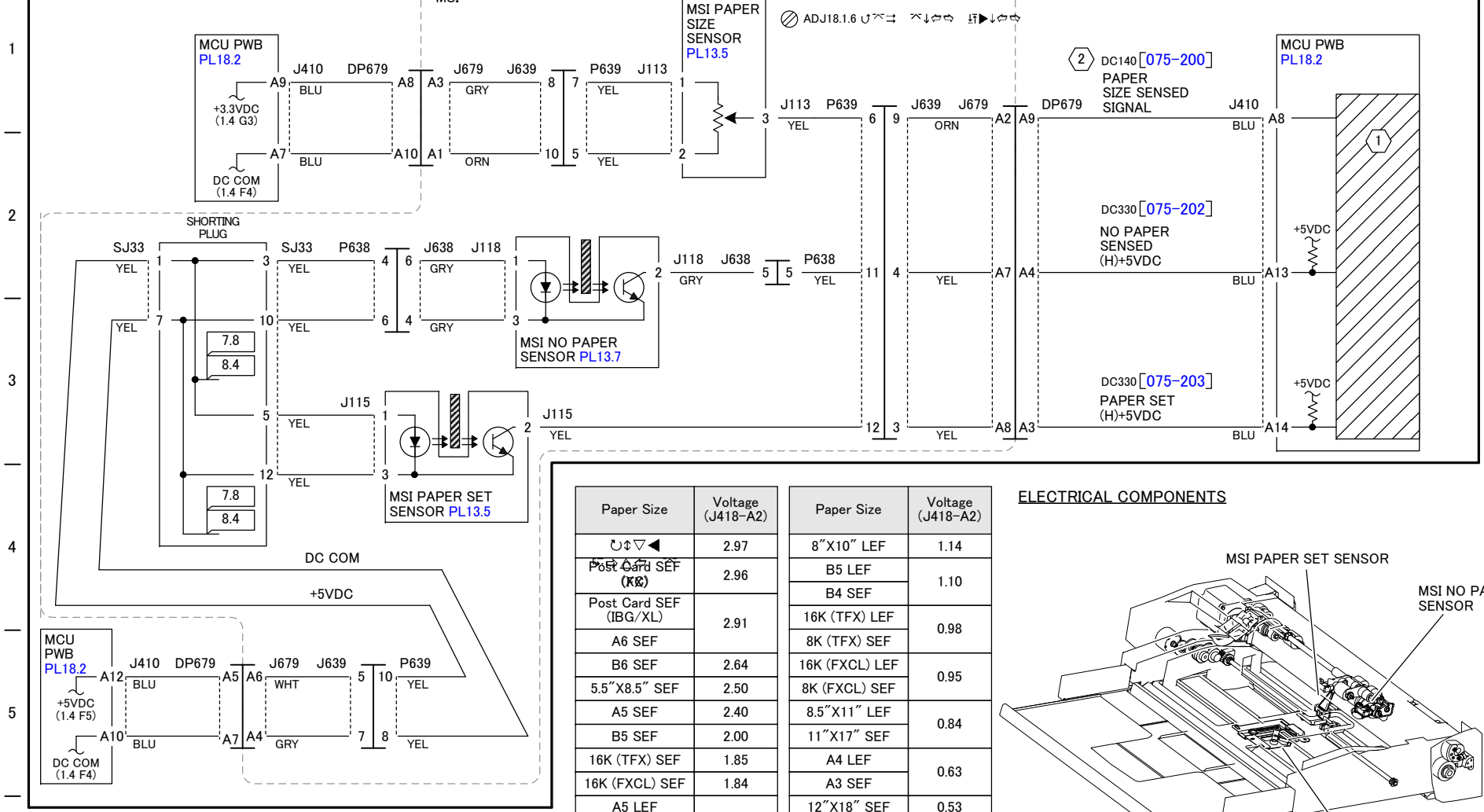
Any combination other than the above leads to an undefined size.

ELECTRICAL COMPONENTS



- : Size undefined
- *1: Switching between the paper sizes is done in diag (NVM).
- *2: When either paper size is changed, the new one applies to all the trays.
- *3: Switching between FXCL and TFX for size sensing is done by country code.

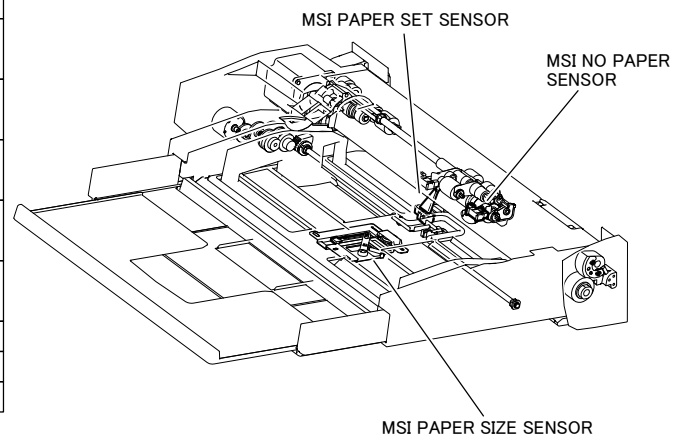
7.4 MSI PAPER SIZE SENSING



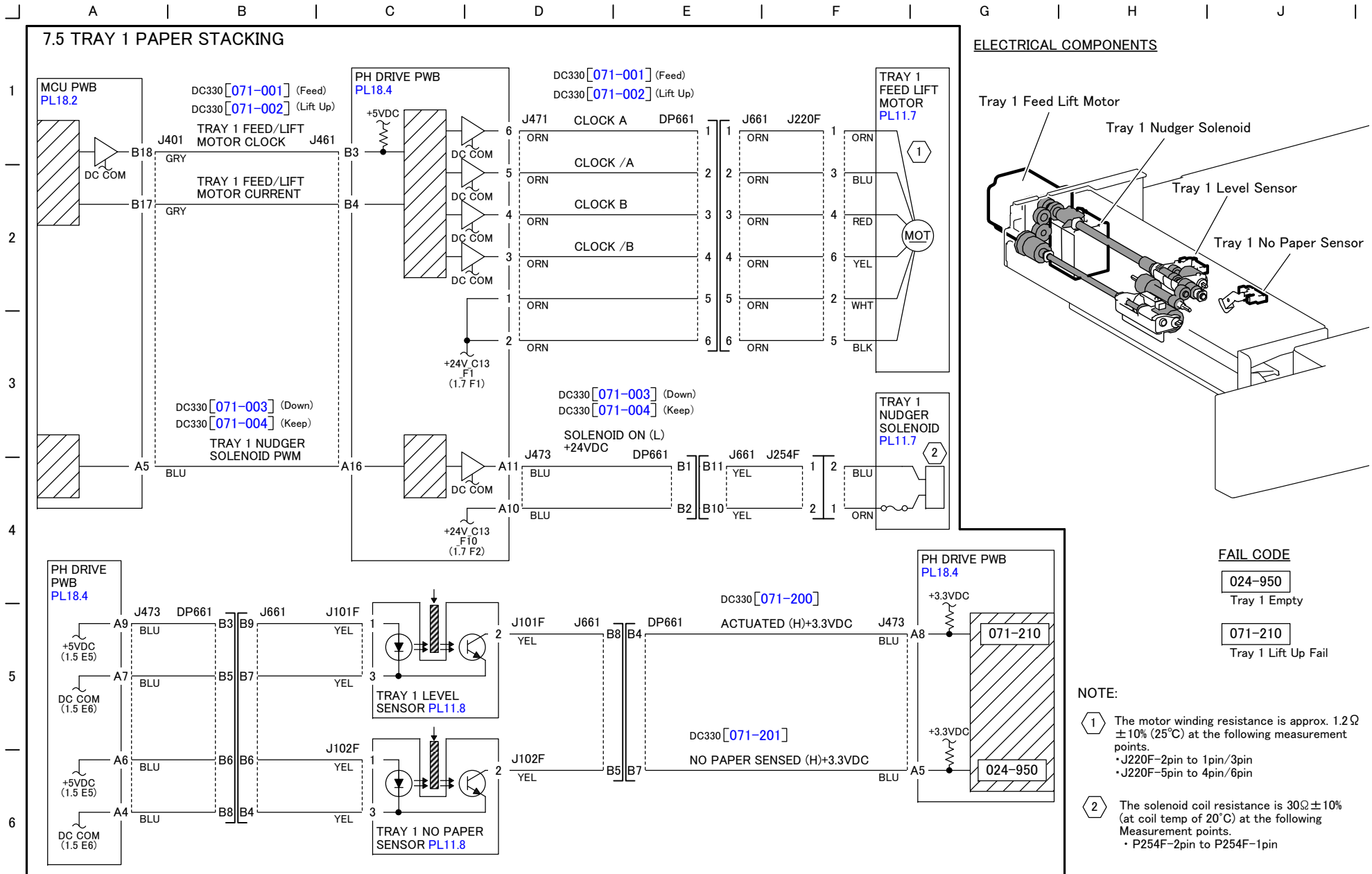
NOTE: ① Paper width (size in fast scan direction) is sensed by voltage corresponding to MSI Paper Size Sensor resistance. The table shows paper size (width) corresponding to voltage.

② DC140[075-200] Value:
 Normal output range: 0-1023
 A4L loaded: 34-140
 B5S loaded: 517-623

ELECTRICAL COMPONENTS



*Voltage value is logical value.



FAIL CODE

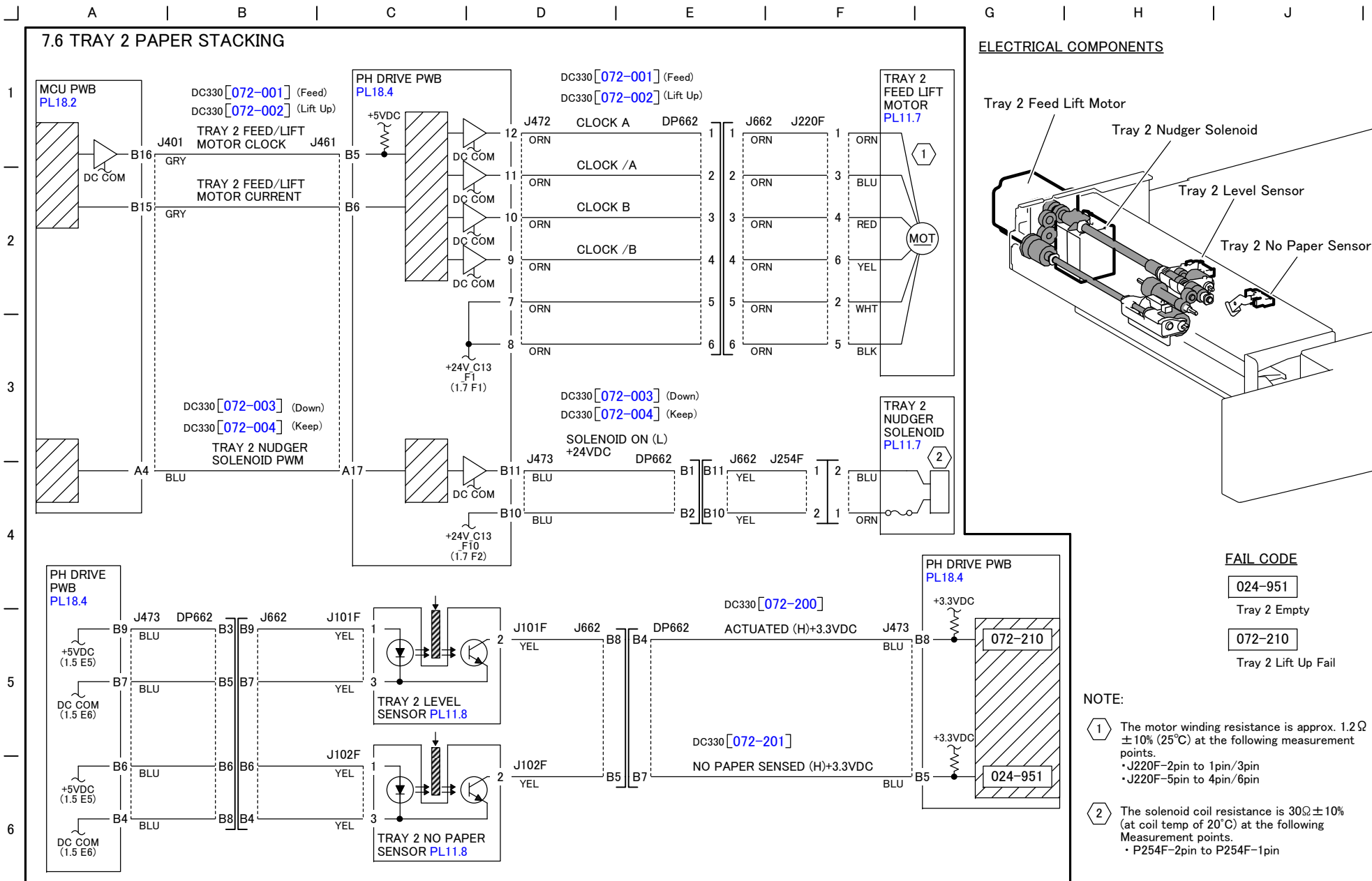
024-950
Tray 1 Empty

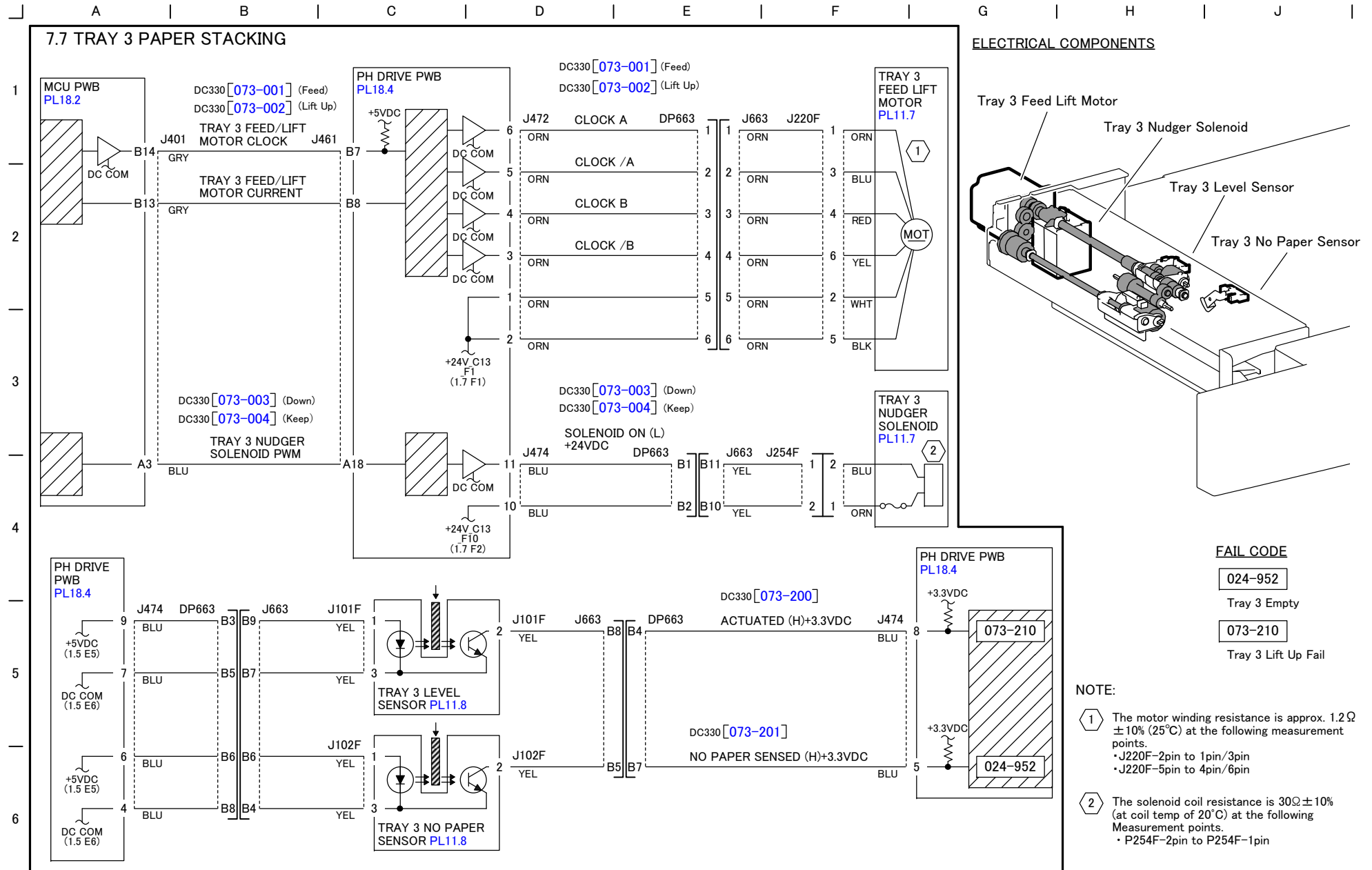
071-210
Tray 1 Lift Up Fail

NOTE:

① The motor winding resistance is approx. $1.2 \Omega \pm 10\%$ (25°C) at the following measurement points.
 • J220F-2pin to 1pin/3pin
 • J220F-5pin to 4pin/6pin

② The solenoid coil resistance is $30 \Omega \pm 10\%$ (at coil temp of 20°C) at the following Measurement points.
 • P254F-2pin to P254F-1pin





FAIL CODE

024-952
Tray 3 Empty

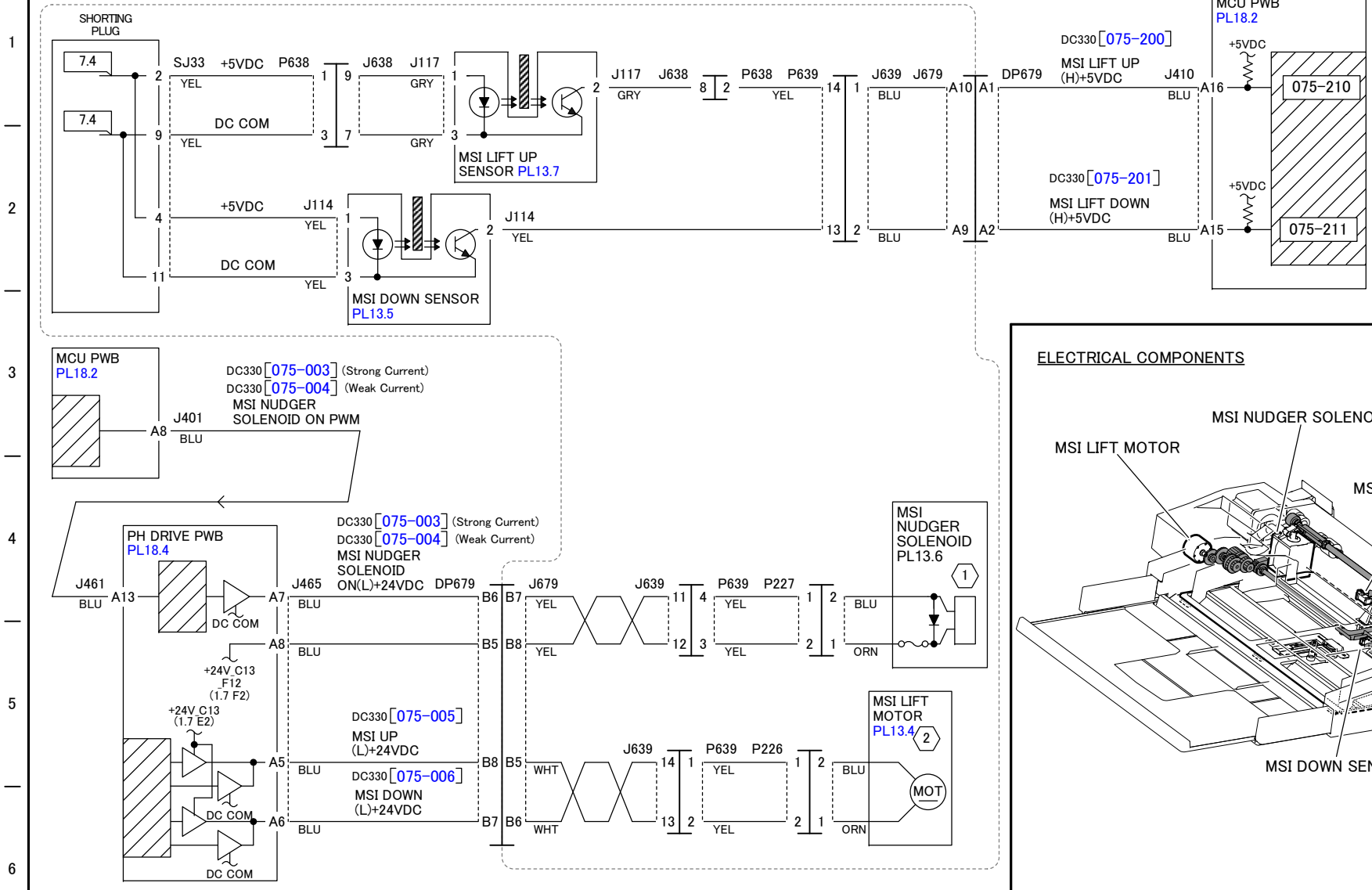
073-210
Tray 3 Lift Up Fail

NOTE:

① The motor winding resistance is approx. $1.2 \Omega \pm 10\%$ (25°C) at the following measurement points.
 • J220F-2pin to 1pin/3pin
 • J220F-5pin to 4pin/6pin

② The solenoid coil resistance is $30 \Omega \pm 10\%$ (at coil temp of 20°C) at the following Measurement points.
 • P254F-2pin to P254F-1pin

7.8 MSI PAPER STACKING



FAIL CODE

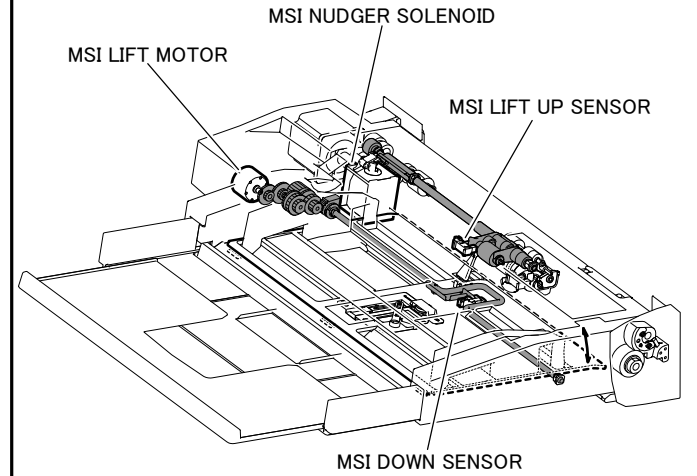
075-210

MSI Lift Up Fail

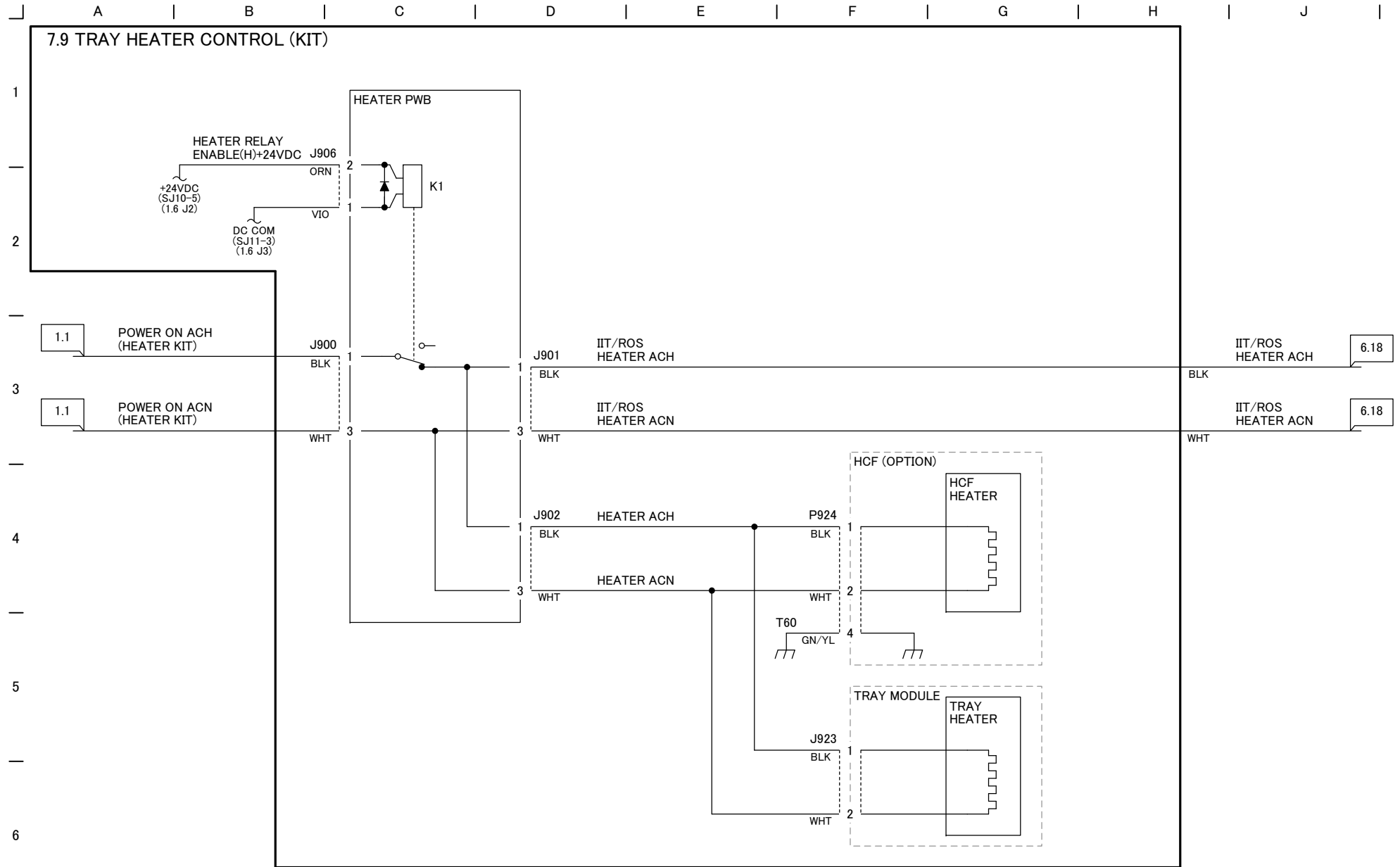
075-211

MSI Lift Down Fail

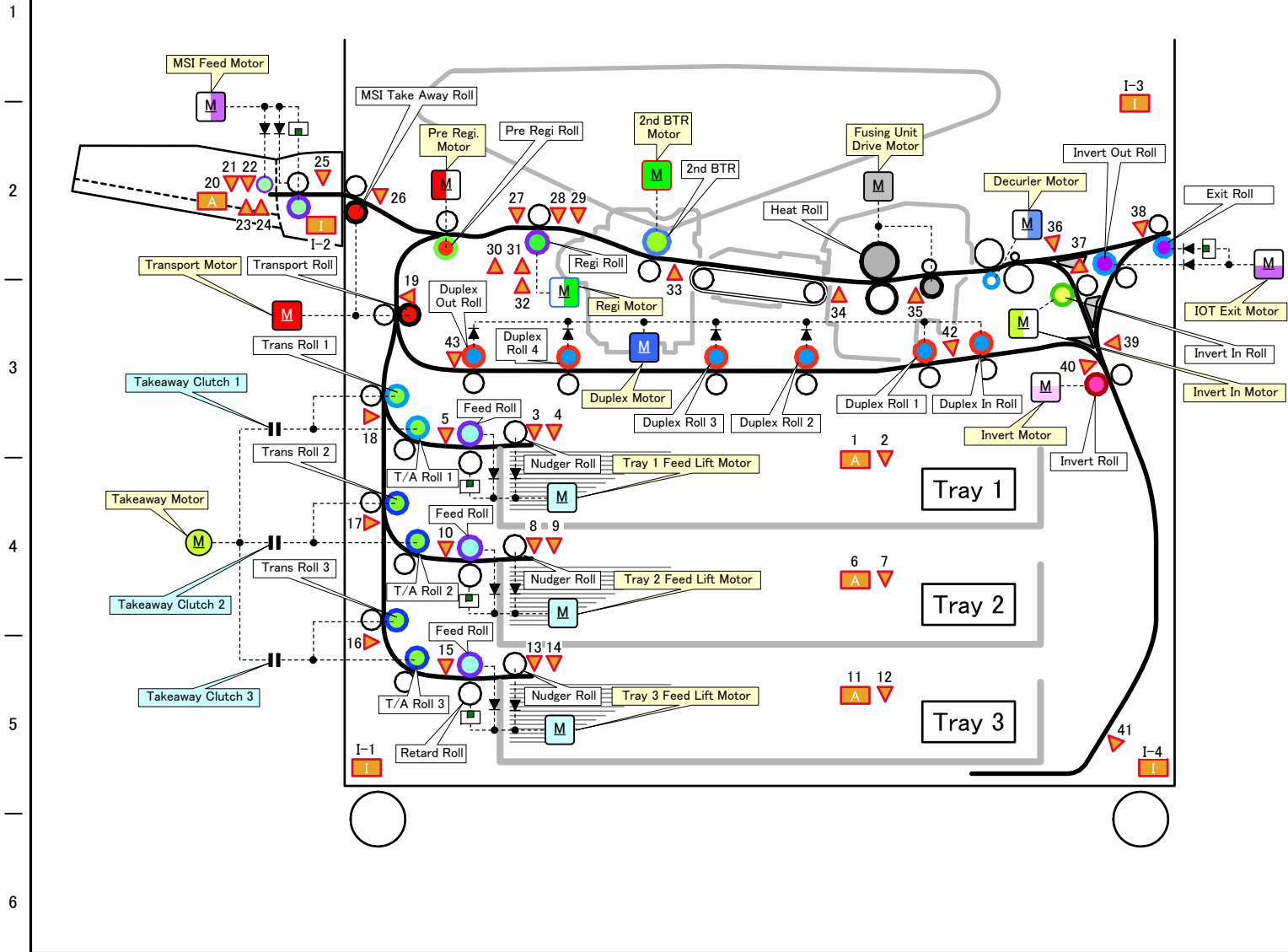
ELECTRICAL COMPONENTS



NOTE: (1) MSI Nudger Solenoid coil resistance is $30\Omega \pm 10\%$. (at coil temp of 20°C) (2) The winding resistance of MSI Lift Motor is 83.5Ω.



7.10 PAPER PATH & DRIVE TRANSMISSION



Cover Switch

No.	Switch Name	CH
I-1	L/H Cover Interlock Switch	1.11
I-2	MSI Cover Interlock Switch	1.10
I-3	Front Cover Interlock Switch	1.10
I-4	R/H Cover Interlock Switch	1.11

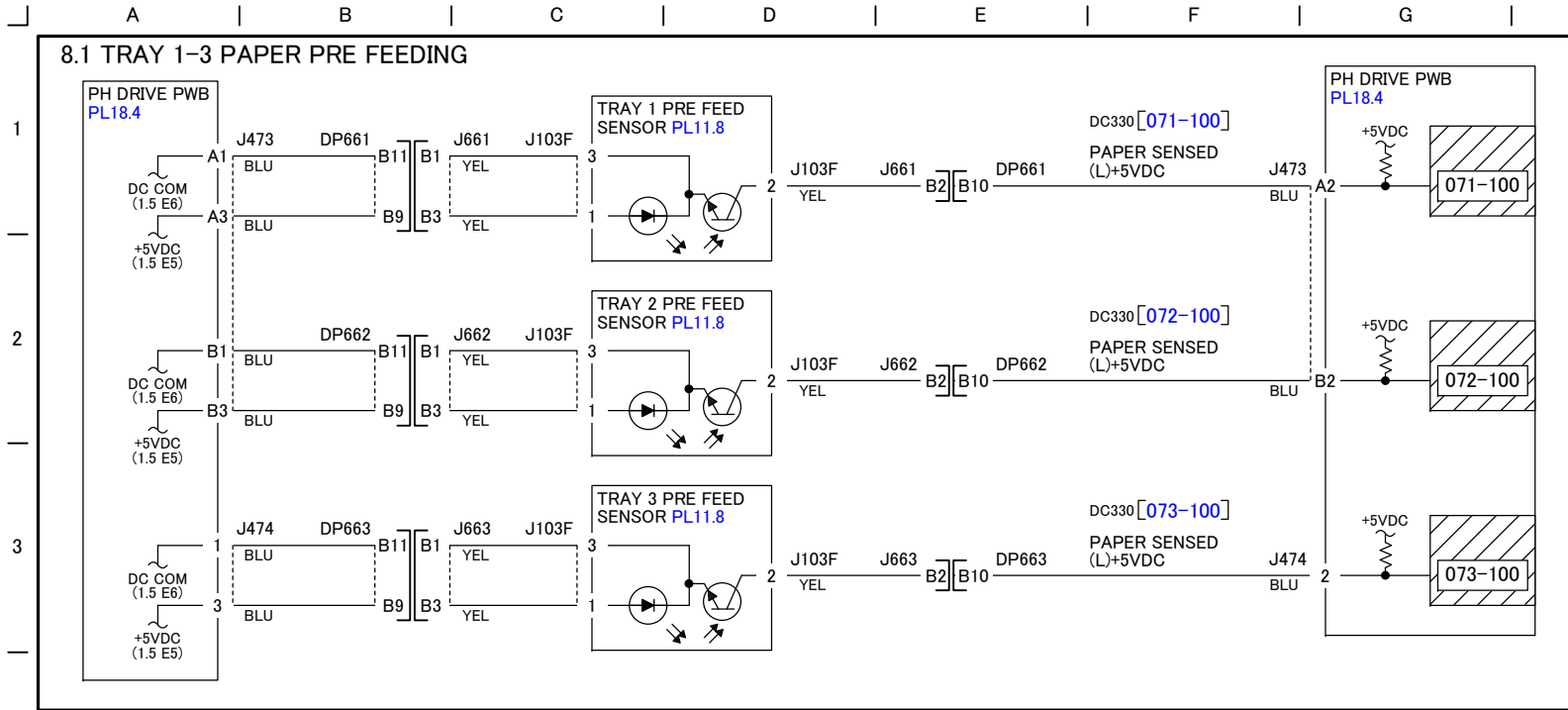
Sensor

No.	Sensor Name	CH
1	Tray 1 Paper Size Sensor (Ana.)	7.1
2	Tray 1 Paper Size Sensor (Digi.)	7.1
3	Tray 1 No Paper Sensor	7.5
4	Tray 1 Level Sensor	7.5
5	Tray 1 Pre Feed Sensor	8.1
6	Tray 2 Paper Size Sensor (Ana.)	7.2
7	Tray 2 Paper Size Sensor (Digi.)	7.2
8	Tray 2 No Paper Sensor	7.6
9	Tray 2 Level Sensor	7.6
10	Tray 2 Pre Feed Sensor	8.1
11	Tray 3 Paper Size Sensor (Ana.)	7.3
12	Tray 3 Paper Size Sensor (Digi.)	7.3
13	Tray 3 No Paper Sensor	7.7
14	Tray 3 Level Sensor	7.7
15	Tray 3 Pre Feed Sensor	8.1
16	Feed Out Sensor 3	8.3
17	Feed Out Sensor 2	8.3
18	Feed Out Sensor 1	8.3
19	Pre Regi. Sensor	8.5
20	MSI Paper Size Sensor	7.4
21	MSI Lift Up Sensor	7.8
22	MSI No Paper Sensor	7.4
23	MSI Down Sensor	7.8
24	MSI Paper Set Sensor	7.4
25	MSI Pre Feed Sensor	8.4
26	MSI Pre Regi. Sensor	8.5
27	Regi. In Sensor	8.7
28	Regi. Out Sensor	8.10
29	CIS	8.9
30	Pre Regi. N/R Home Sensor	8.6
31	Regi. N/R Home Sensor	8.8
32	Side Shift Home Sensor	8.10
33	Post 2nd BTR Sensor	9.25
34	Fusing Unit Entrance Sensor	10.6
35	Fusing Unit Exit Sensor	10.6
36	Invert Gate Home Sensor	10.11
37	Invert In Sensor	10.12
38	IOT Exit Sensor	10.16
39	Invert Path Sensor	10.14
40	Invert N/R Sensor	10.13
41	Invert End Sensor	10.15
42	Duplex In Sensor	10.18
43	Duplex Out Sensor	10.18

Legend: **M** Stepping Motor **M** DC Motor **C** Clutch **A** One-way Clutch **T** Torque Limiter **▲** Sensor

NOTE: The motor positions shown in the illustration differ from those of the actual machine.

j0pr730710



FAIL CODE

071-100

Tray 1 Miss Pre Feed Jam

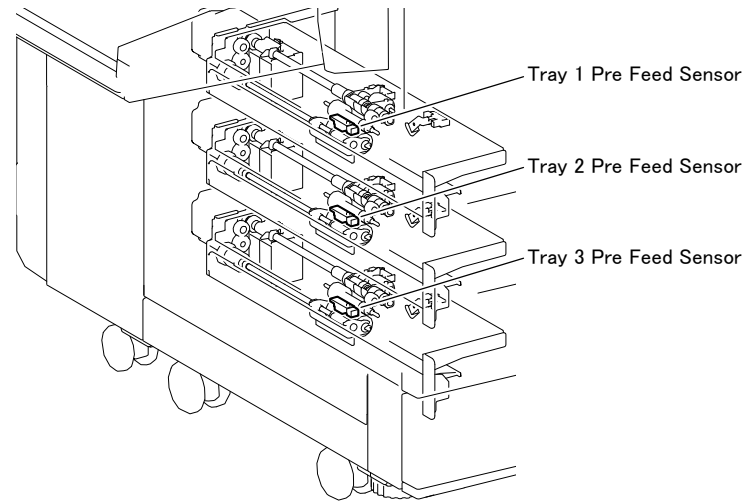
072-100

Tray 2 Miss Pre Feed Jam

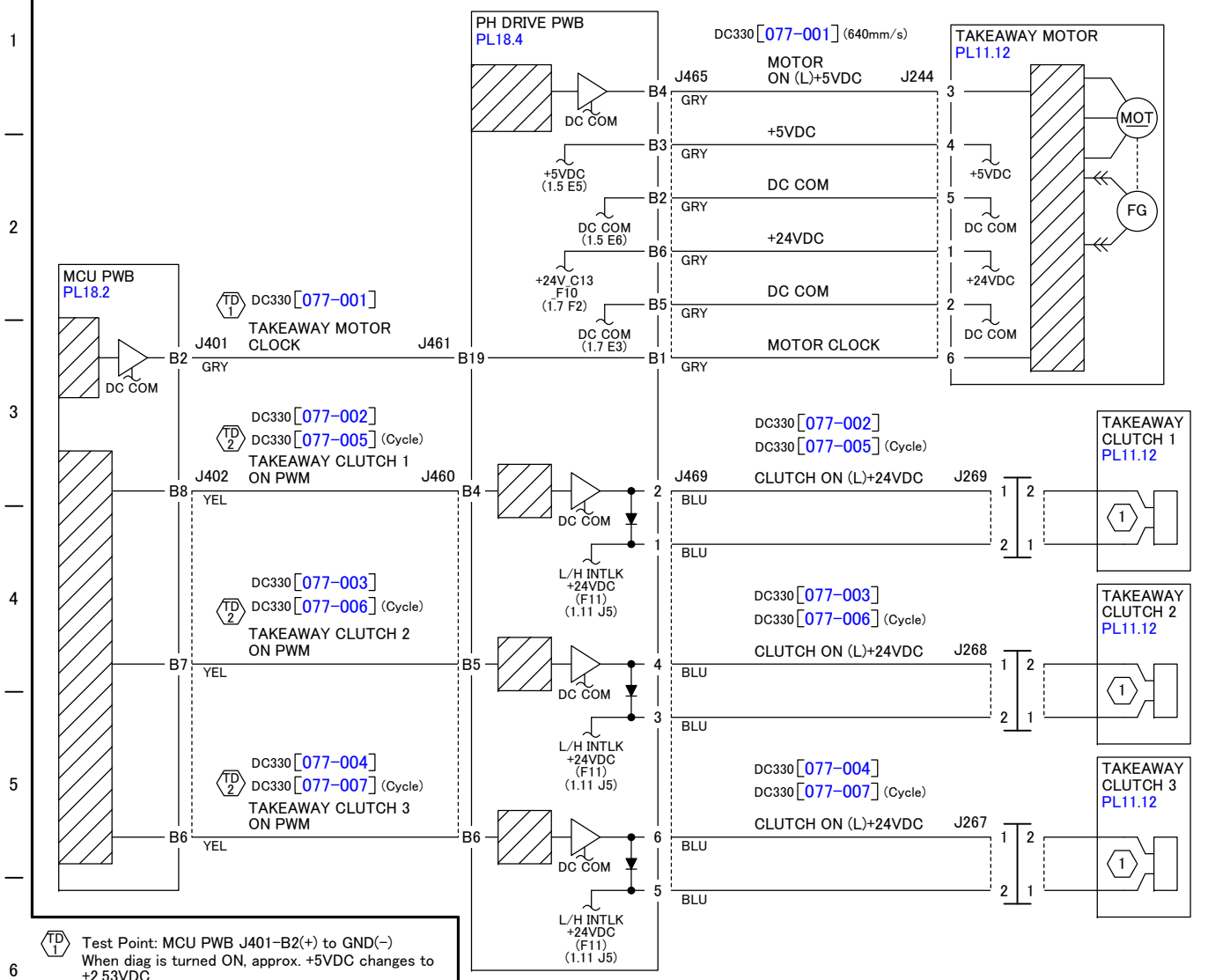
073-100

Tray 3 Miss Pre Feed Jam

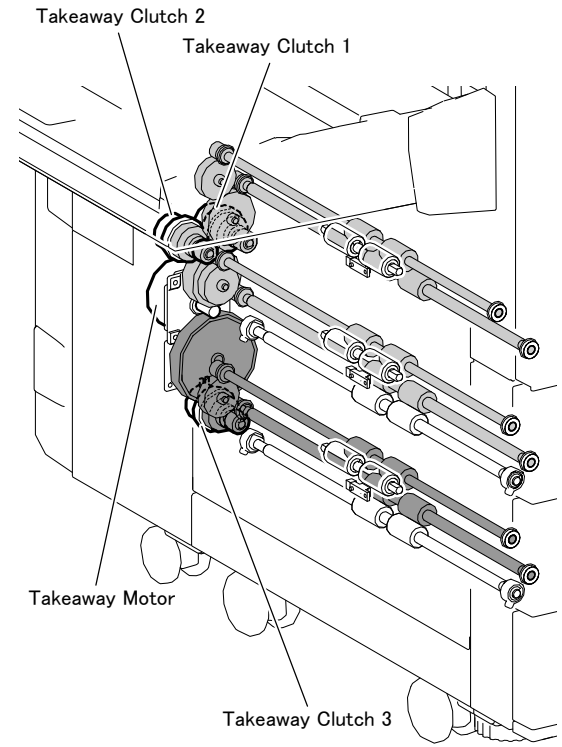
ELECTRICAL COMPONENTS



8.2 TAKEAWAY DRIVE



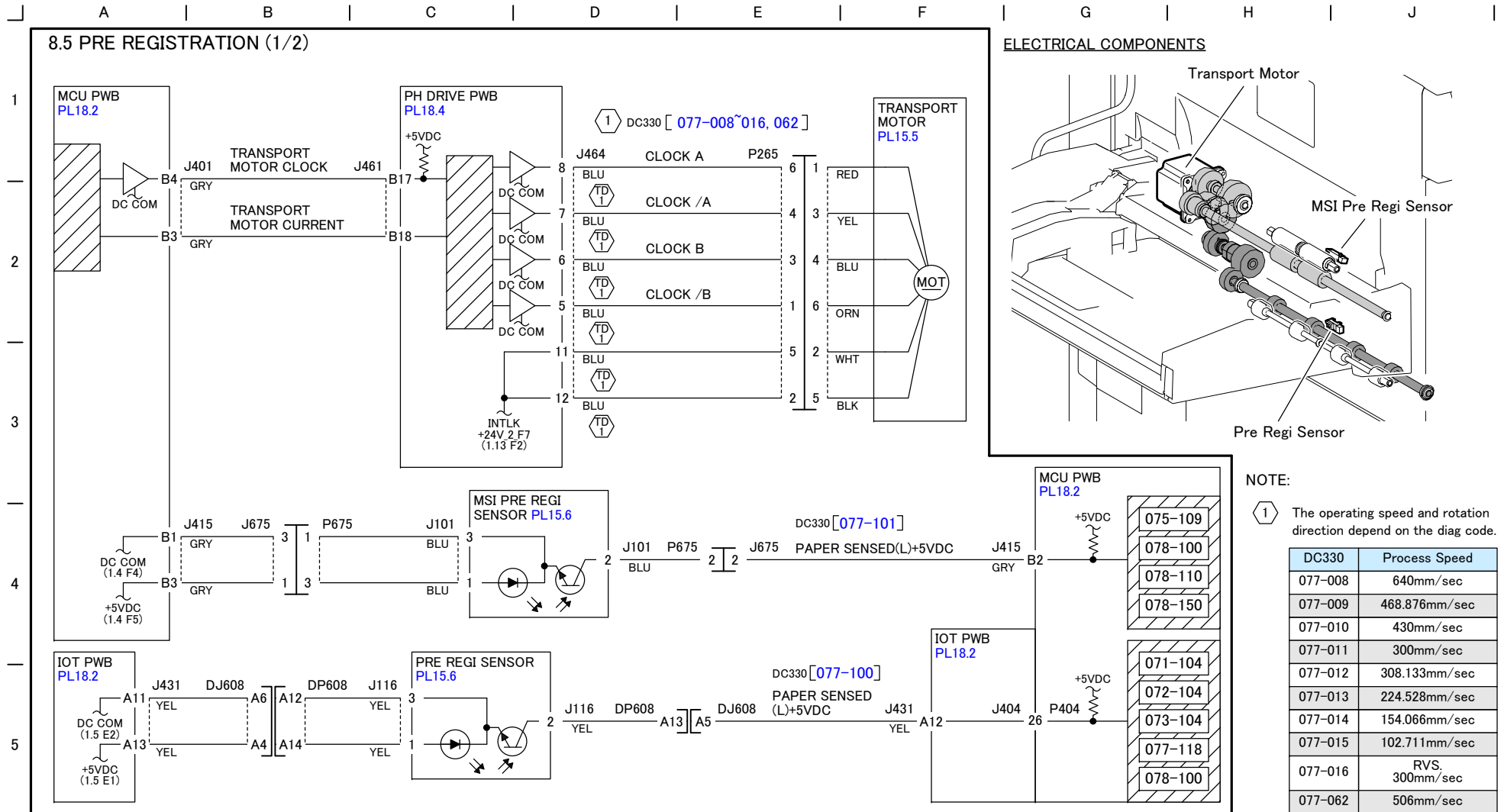
ELECTRICAL COMPONENTS



TD 1 Test Point: MCU PWB J401-B2(+) to GND(-)
When diag is turned ON, approx. +5VDC changes to +2.53VDC.

TD 2 Test Point: MCU PWB J402-B8/B7/B6(+) to GND(-)
When diag is turned ON, approx. +3.3VDC.

NOTE: **1** The coil resistance of Takeaway Clutches 1-3 is 113Ω ±10% (at coil temp. of 20°C).



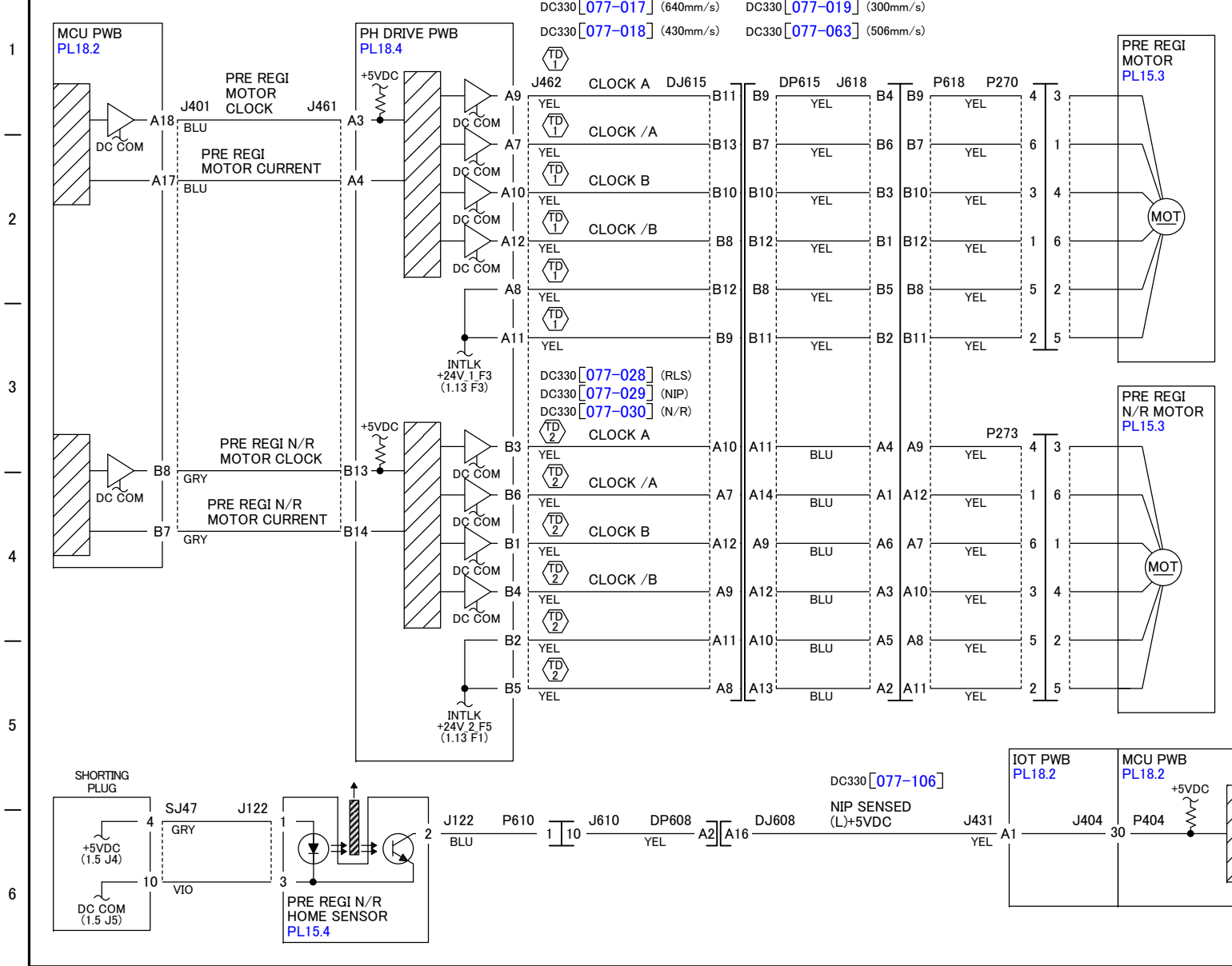
FAIL CODE

- | | | |
|--|--|--|
| 071-104 Pre Regi Sensor On Jam (Tray 1) | 078-100 Pre Regi Sensor On Jam (2000 HCF Tray) | 078-110 MSI Pre Regi Sensor On Jam (4000C1 HCF MSI) |
| 072-104 Pre Regi Sensor On Jam (Tray 2) | 078-100 MSI Pre Regi Sensor On Jam (2000B1 HCF Tray) | 077-118 Pre Regi Sensor On Jam (Duplex) |
| 073-104 Pre Regi Sensor On Jam (Tray 3) | 078-100 MSI Pre Regi Sensor On Jam (4000C1 HCF Tray 1) | 078-150 MSI Pre Regi Sensor On Jam (4000C1 HCF Tray 2) |
| 075-109 MSI Pre Regi Sensor On Jam (MSI) | 078-110 MSI Pre Regi Sensor On Jam (2000B1 HCF MSI) | |

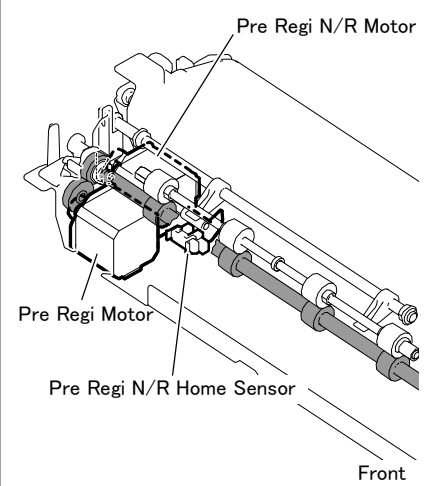
① The Motor winding resistance is approx. 0.77Ω (25°C) at the following measurement points:
 • J464-11 to 7/8
 • J464-12 to 6/5

A | B | C | D | E | F | G | H | J

8.6 PRE REGISTRATION (2/2)



ELECTRICAL COMPONENTS

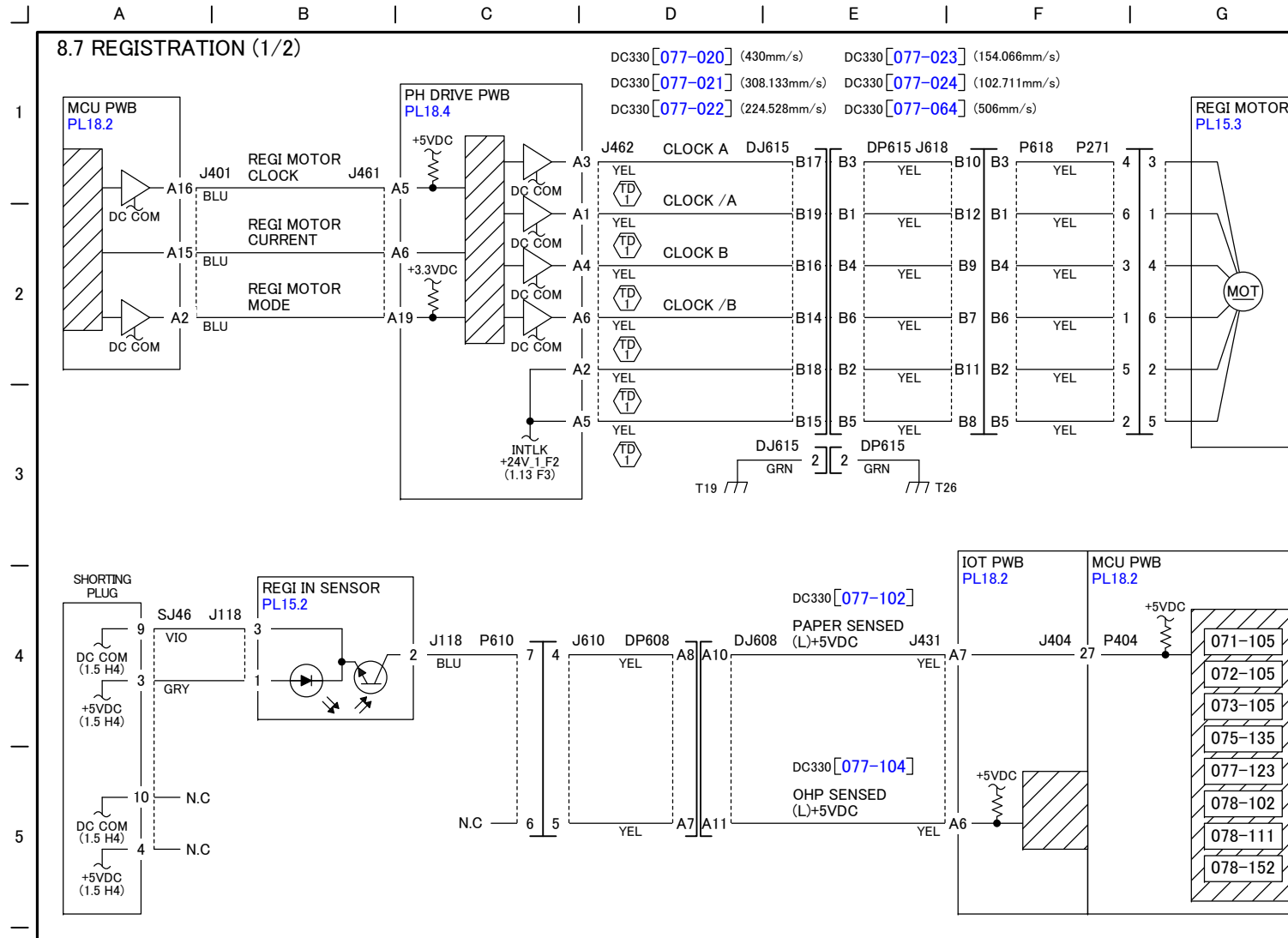


- TD 1 The Motor winding resistance is approx. $2\Omega \pm 0.2\Omega$ (25°C) at the following measurement points:
J462-A8 to A7/A9
J462-A11 to A10/A12
- TD 2 The Motor winding resistance is approx. $2\Omega \pm 0.2\Omega$ (25°C) at the following measurement points:
J462-B2 to B1/B3
J462-B5 to B4/B6

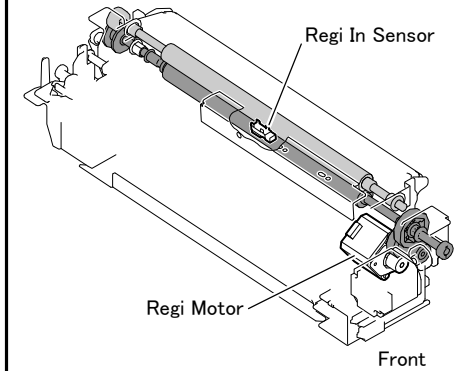
FAIL CODE

- 077-222
Pre Regi Release Fail
- 077-325
Pre Regi Nip Fail

j0pr730806



ELECTRICAL COMPONENTS



FAIL CODE

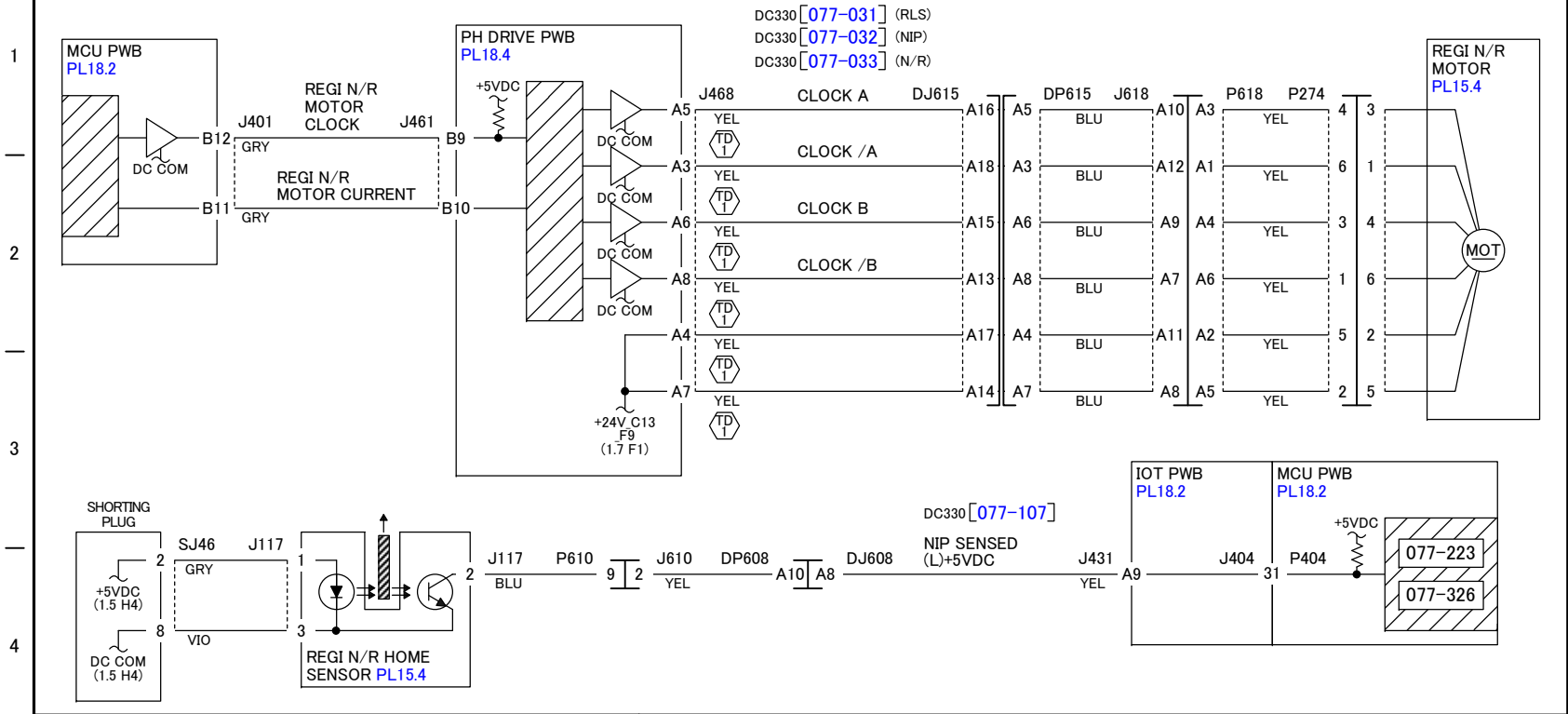
- 071-105 Regi In Sensor On Jam (Tray 1)
- 072-105 Regi In Sensor On Jam (Tray 2)
- 073-105 Regi In Sensor On Jam (Tray 3)
- 075-135 Regi In Sensor On Jam (MSI)
- 077-123 Regi In Sensor On Jam (Duplex)
- 078-102 Regi In Sensor On Jam (2000 HCF Tray)
- 078-102 Regi In Sensor On Jam (2000B1 HCF Tray)
- 078-102 Regi In Sensor On Jam (4000C1 HCF Tray 1)
- 078-111 Regi In Sensor On Jam (2000B1 HCF MSI)
- 078-111 Regi In Sensor On Jam (4000C1 HCF MSI)
- 078-152 Regi In Sensor On Jam (4000C1 HCF Tray 2)

The Motor winding resistance is approx. $2\Omega \pm 0.2\Omega$ (25°C) at the following measurement points:
 J462-A2 to A3/A1
 J462-A5 to A4/A6

ADJ 18.1.19 Side 1/Side 2 Side Skew Adjustment
 ADJ 18.1.21 Side 1/Lead Side Regi Adjustment

A | B | C | D | E | F | G | H | J

8.8 REGISTRATION (2/2)



FAIL CODE

077-223

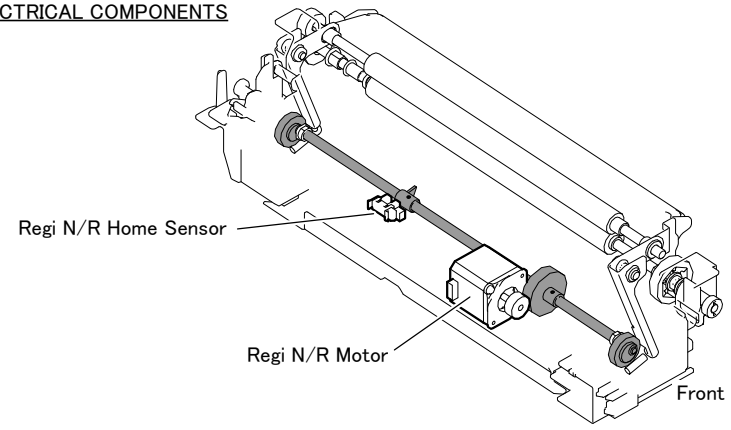
Regi Release Fail

077-326

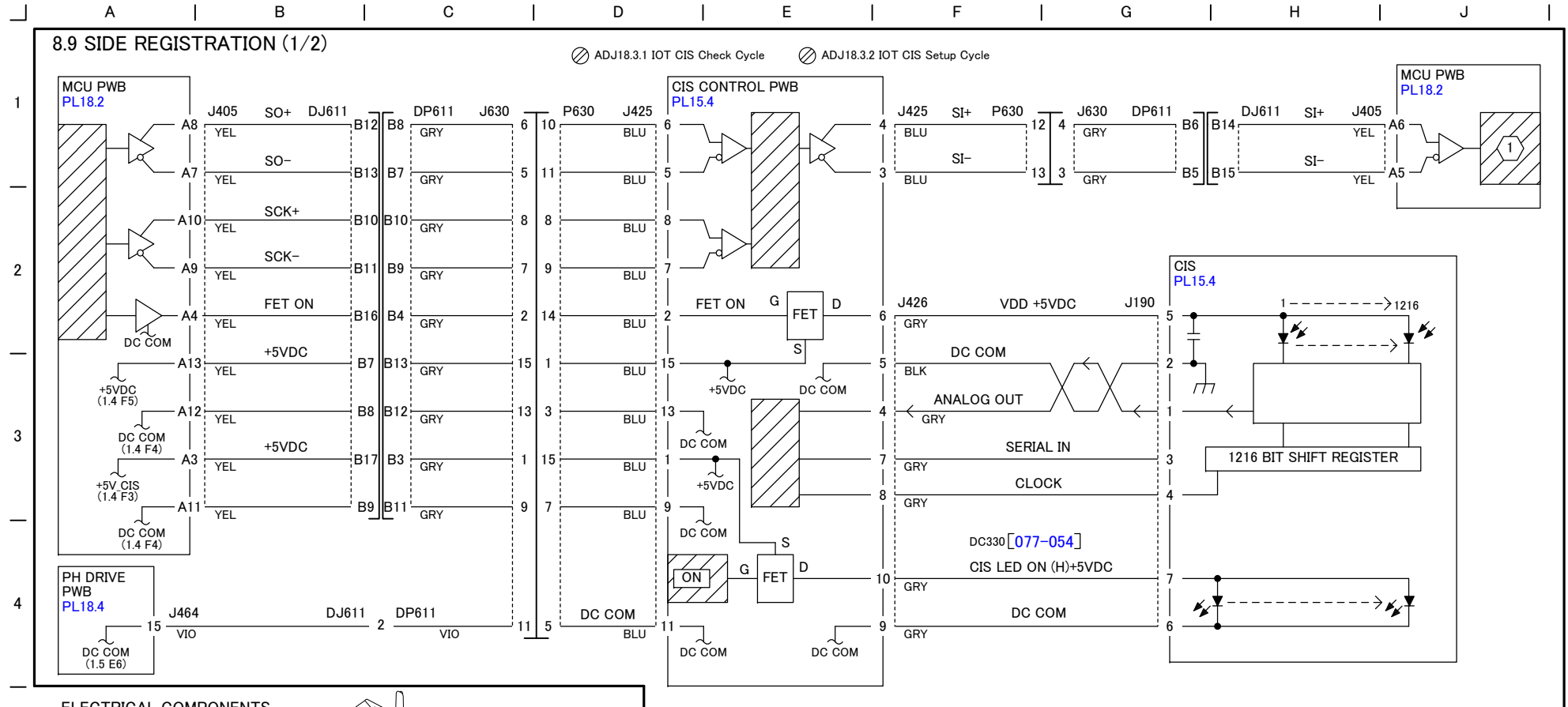
Regi Nip Fail

The Motor winding resistance is approx. $2\ \Omega \pm 0.2\ \Omega$ (25°C) at the following measurement points:
 J468-A4 to A3/A5
 J468-A7 to A6/A8

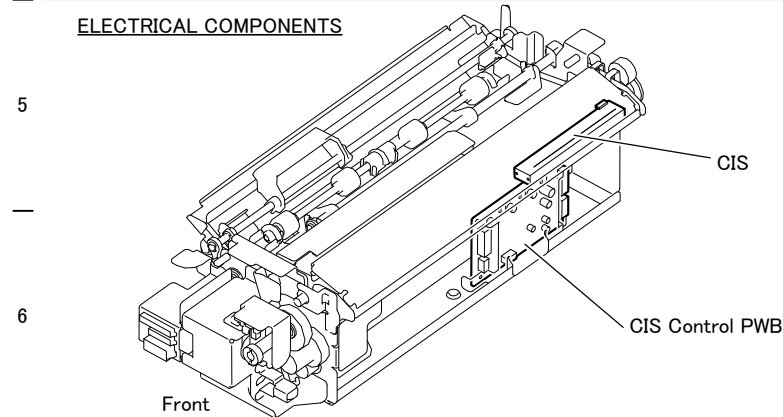
ELECTRICAL COMPONENTS



j0pr730808



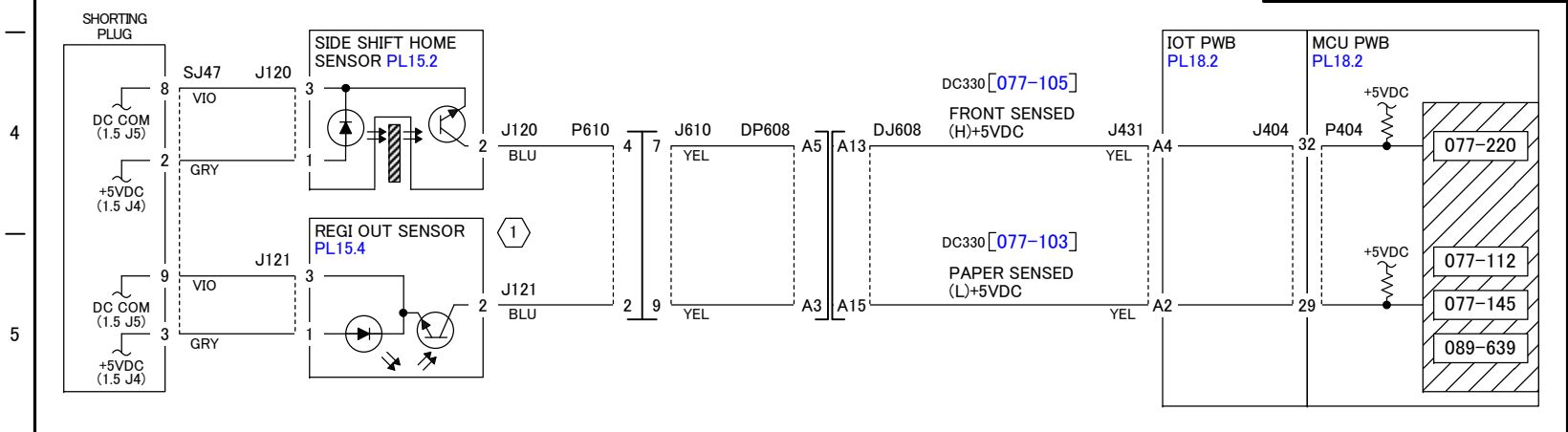
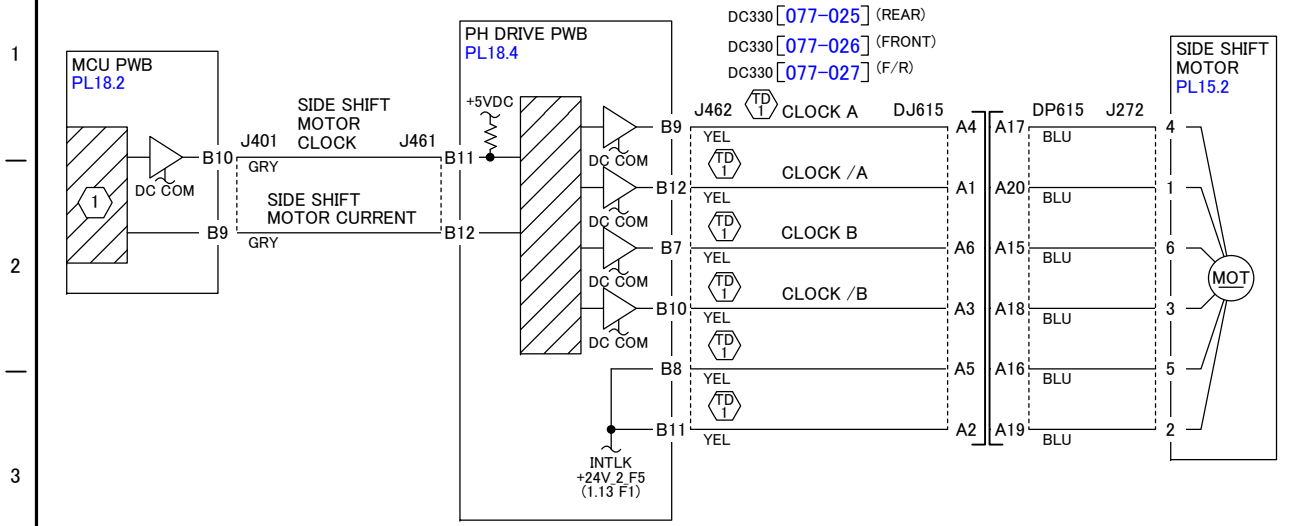
ELECTRICAL COMPONENTS



NOTE: ① FAIL CODE

077-143	CIS Side Regi. Error	089-643	CIS Shading Data Fail	089-648	CIS Side Edge Detect B Fail
077-315	CIS Subsystem Fail	089-644	CIS FPGA Fail	089-649	CIS Side Edge Detect C Fail
089-640	CIS Dark Level Error	089-645	CIS Communication Fail	089-650	CIS Side Edge Out of Range
089-641	CIS White Level Error	089-646	CIS Side Edge Detect Fail	089-651	CIS Shading Recommend
089-642	CIS LED Power Control Fail	089-647	CIS Side Edge Detect A Fail	089-652	CIS Hard Fail

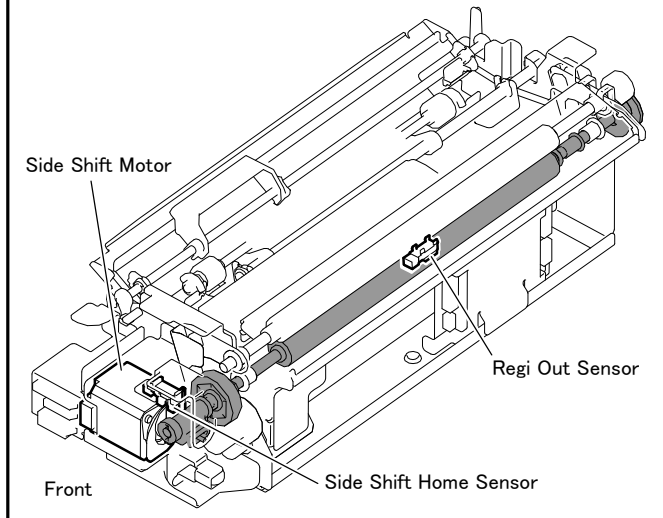
8.10 SIDE REGISTRATION (2/2)



NOTE:
 The Motor winding resistance is approx. $1.7\Omega \pm 0.17\Omega$ (25°C) at the following measurement points:
 J462-B8 to B9/B7
 J462-B11 to B10/B12

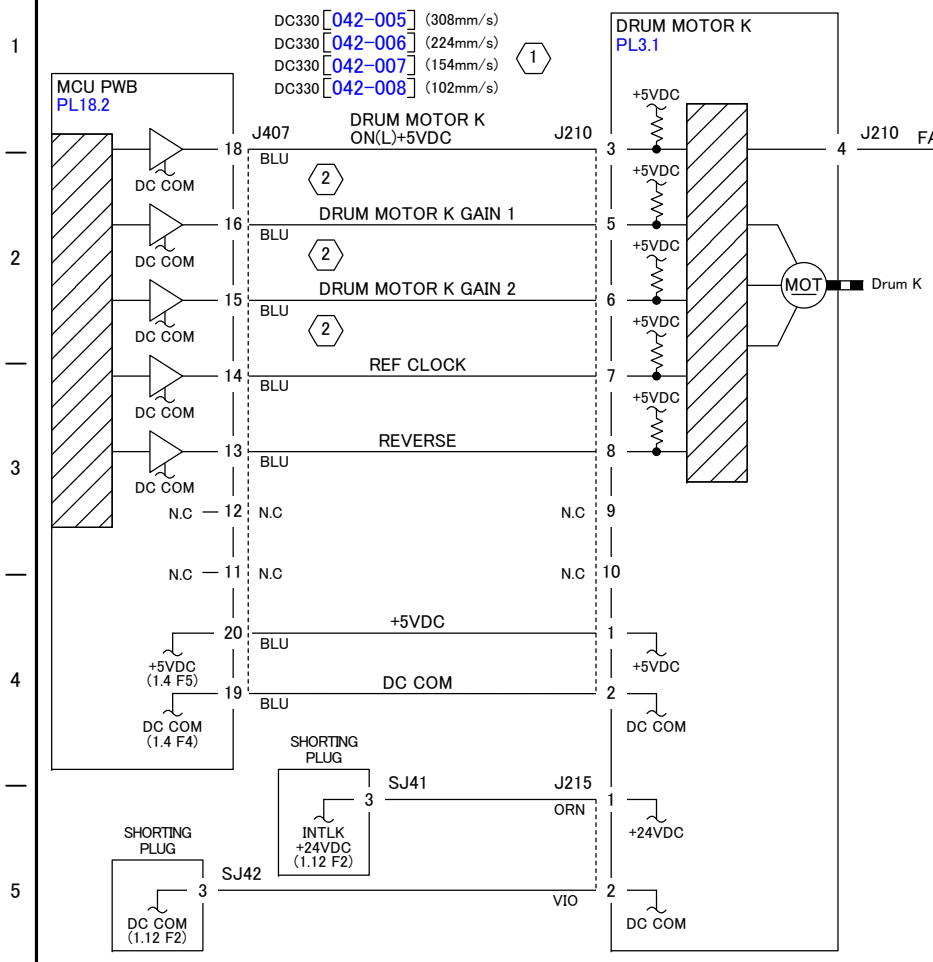
NOTE:
 <Side Registration Control>
 Side Registration Control shifts Regi Roll sideways at the appropriate timing to align the image with the paper at side regi position in fast scan direction. If each paper always passes the same position, Fuser Heat Roll will be scratched by its edge. To prevent this, this control also intentionally shifts the side shift position of the image and paper. CIS starts detecting the paper edge $33ms \pm 1ms$ (PS 308mm/s) or $38ms \pm 1ms$ (other than PS308mm/s) after the transported paper turns on the Regi. Out Sensor. (at the position 5.0mm from the lead edge of the paper)

ELECTRICAL COMPONENTS



- FAIL CODE**
- 077-112 Regi. Out Sensor On Jam
 - 077-145 Lead Regi. Error
 - 077-220 Side Shift Home Fail
 - 089-639 Lead Regi. Out Of Range

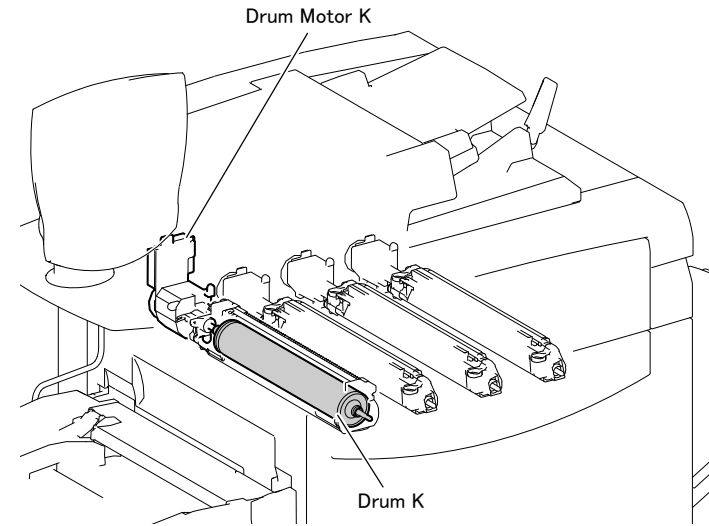
9.2 DRUM K DRIVE CONTROL



FAIL CODE

042-323
Drum Motor K Fail

ELECTRICAL COMPONENTS



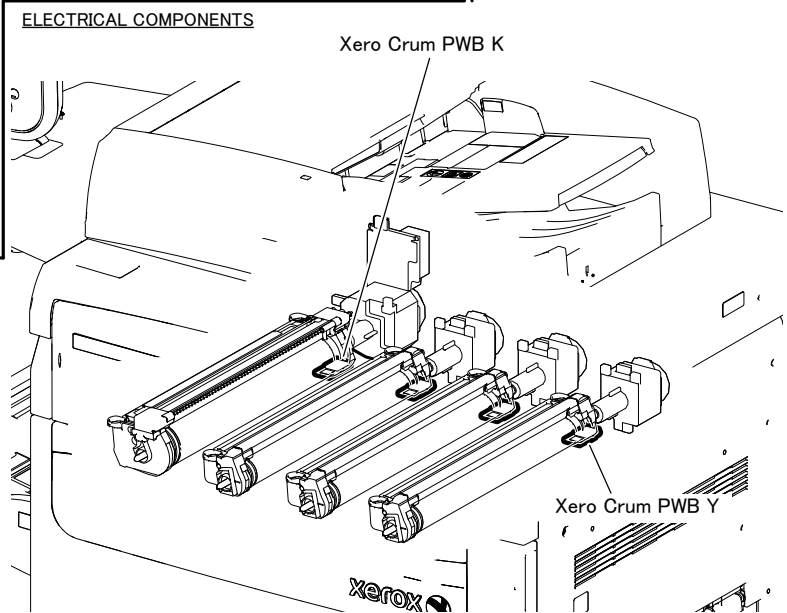
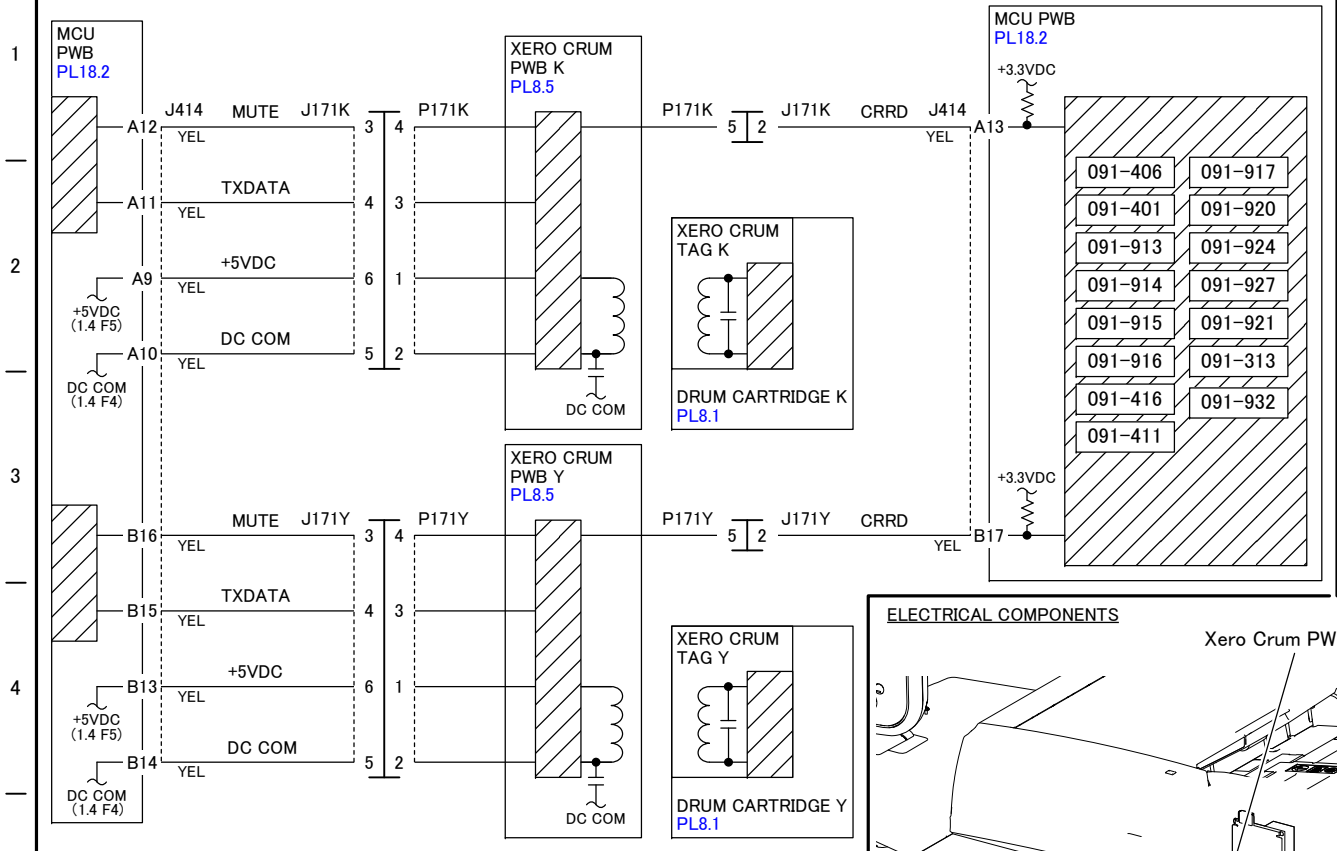
NOTE: 1 Before turning ON Component Control 042-005 to 042-008, slide out IBT Marking Drawer to prevent damage to IBT Belt.

2 Drum Motor K is controlled by a combination of Gain Signal 1/2 H/L levels and Ref Clock. The table shows the relation between diag code and process speed. (The table shows the actual voltage values.)

DC330	Process Speed	Gain 1	Gain 2	Ref Clock
042-005	308mm/s	+5V	+5V	1,045Hz
042-006	224mm/s	0V	+5V	761Hz
042-007	154mm/s	0V	+5V	522Hz
042-008	102mm/s	+5V	0V	348Hz

A | B | C | D | E | F | G | H | J

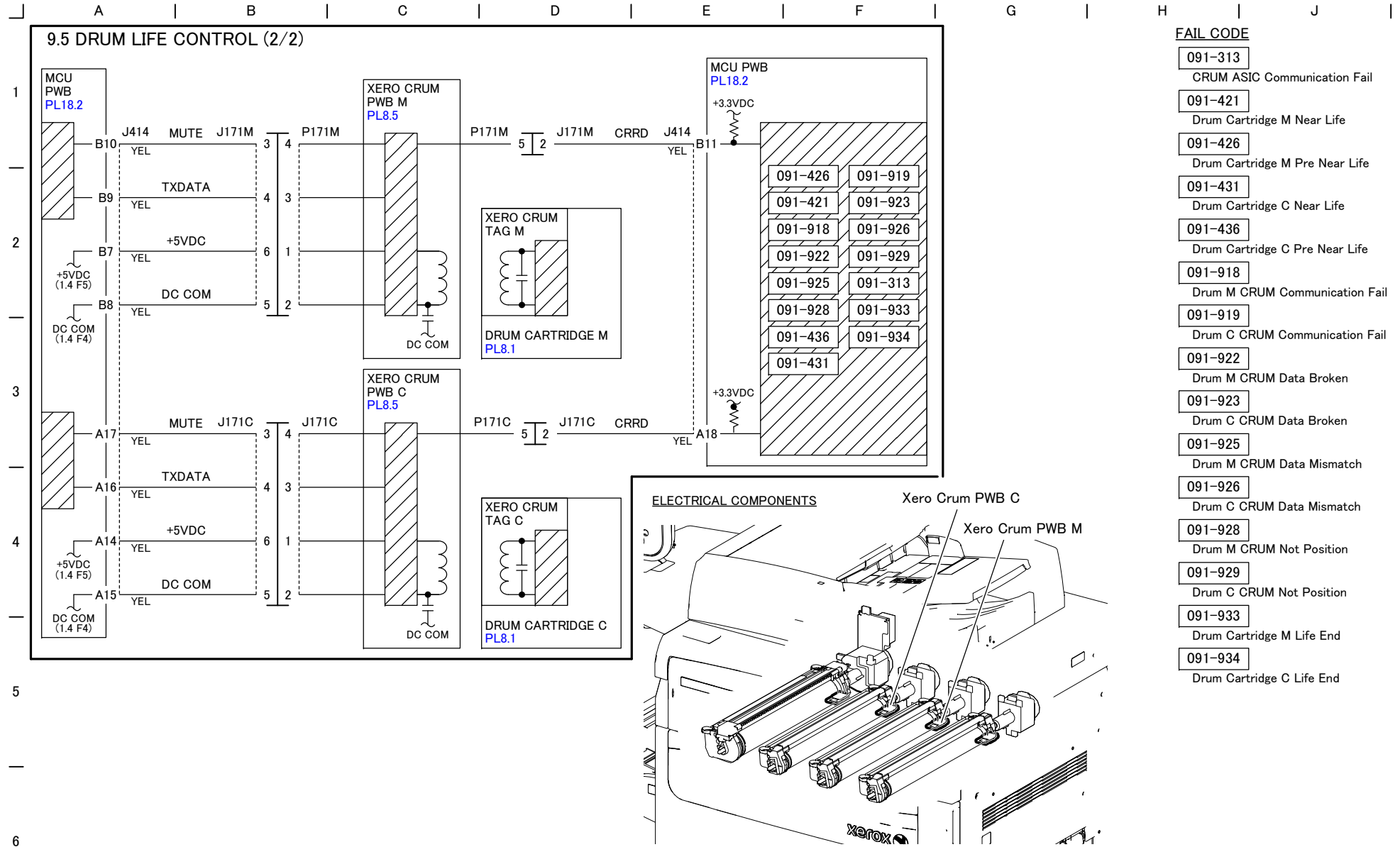
9.4 DRUM LIFE CONTROL (1/2)



FAIL CODE

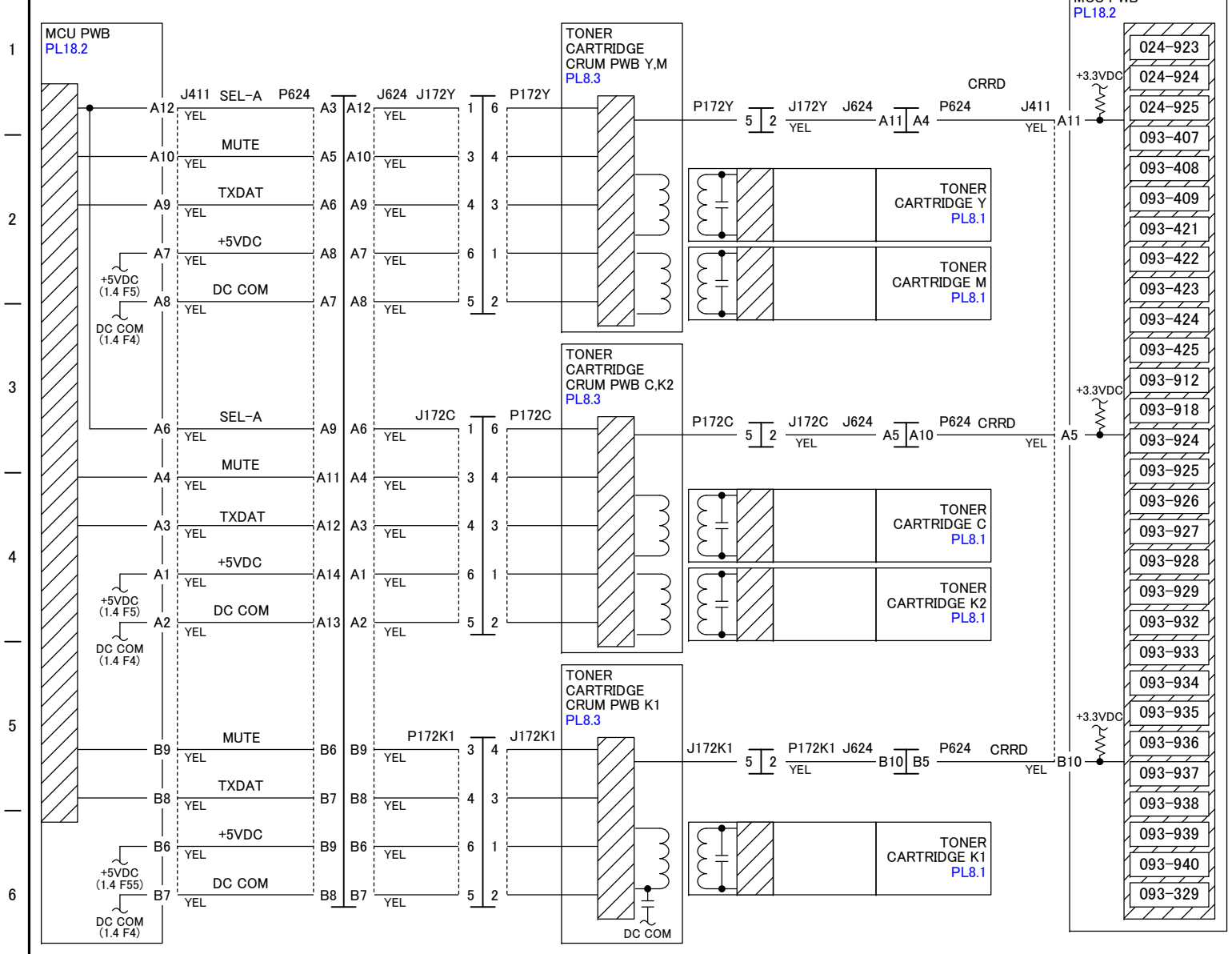
- 091-313
CRUM ASIC Communication Fail
- 091-401
Drum Cartridge K Near Life
- 091-406
Drum Cartridge K Pre Near Life
- 091-411
Drum Cartridge Y Near Life
- 091-416
Drum Cartridge Y Pre Near Life
- 091-913
Drum Cartridge K Life End
- 091-914
Drum K CRUM Communication Fail
- 091-915
Drum K CRUM Data Broken
- 091-916
Drum K CRUM Data Mismatch
- 091-917
Drum Y CRUM Communication Fail
- 091-920
Drum Y CRUM Data Broken
- 091-921
Drum K CRUM Not Position
- 091-924
Drum Y CRUM Data Mismatch
- 091-927
Drum Y CRUM Not Position
- 091-932
Drum Cartridge Y Life End

ELECTRICAL COMPONENTS



A | B | C | D | E | F | G | H | J

9.6 TONER CARTRIDGE LIFE CONTROL (1/2)



FAIL CODE

024-923	Toner Empty Y
024-924	Toner Empty M
024-925	Toner Empty C
093-329	Toner Refill Stop
093-407	Toner Pre Near Empty Y
093-408	Toner Pre Near Empty M
093-409	Toner Pre Near Empty C
093-421	Toner K1 Near Empty & K2 Empty
093-422	Toner K2 Near Empty & K1 Empty
093-423	Toner Near Empty Y
093-424	Toner Near Empty M
093-425	Toner Near Empty C
093-912	Toner Empty K
093-918	Toner CRUM Communication Fail K2
093-924	Toner CRUM Communication Fail K1
093-925	Toner CRUM Data Broken Fail K1
093-926	Toner CRUM Data Mismatch Fail K1
093-927	Toner CRUM Communication Fail Y
093-928	Toner CRUM Communication Fail M
093-929	Toner CRUM Communication Fail C
093-932	Toner Cartridge Exchange Time Over
093-933	Toner CRUM Data Broken Fail Y
093-934	Toner CRUM Data Broken Fail M
093-935	Toner CRUM Data Broken Fail C
093-936	Toner CRUM Data Broken Fail K2
093-937	Toner CRUM Data Mismatch Fail Y
093-938	Toner CRUM Data Mismatch Fail M
093-939	Toner CRUM Data Mismatch Fail C
093-940	Toner CRUM Data Mismatch Fail K2

j0pr730906

A | B | C | D | E | F | G | H | J |

9.7 TONER CARTRIDGE LIFE CONTROL (2/2)

1

Toner Cartridge
Crum PWB K1

Toner Cartridge
Crum PWB C,K2

Toner Cartridge
Crum PWB Y,M

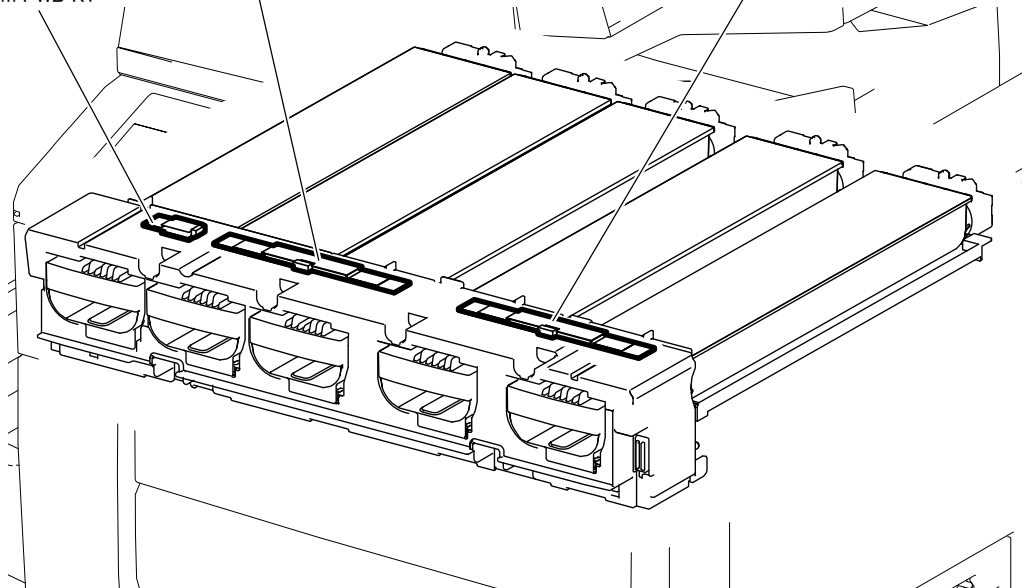
2

3

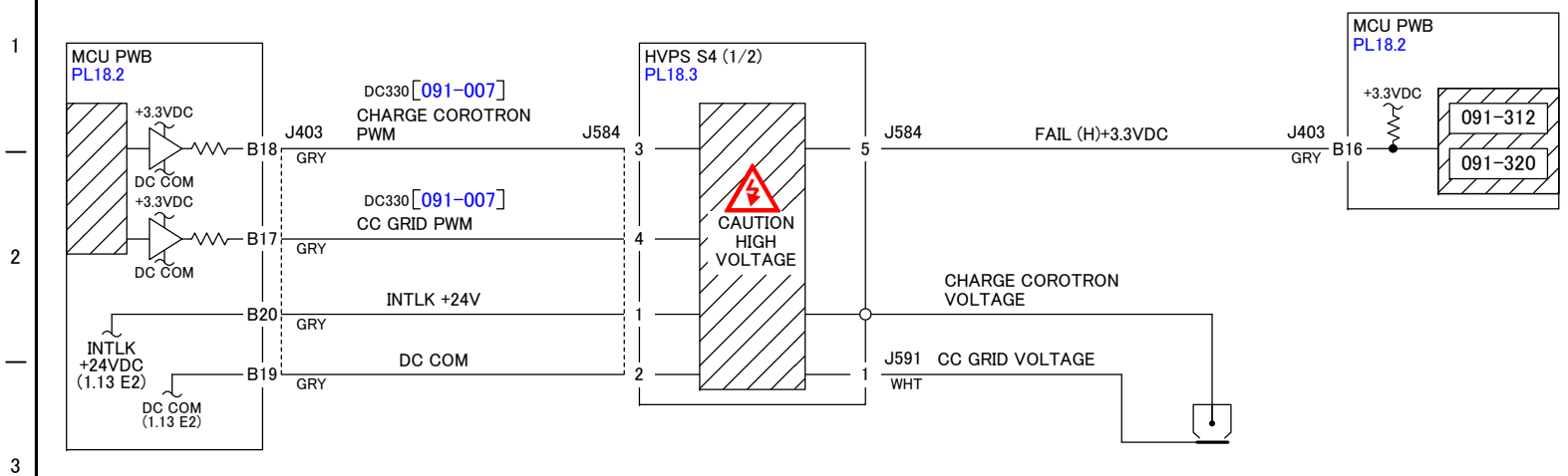
4

5

6



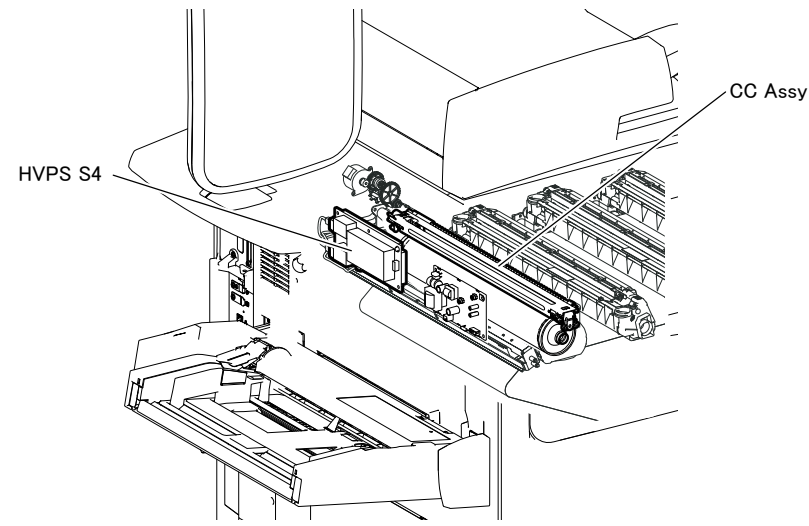
9.8 CHARGING AND EXPOSURE K



FAIL CODE

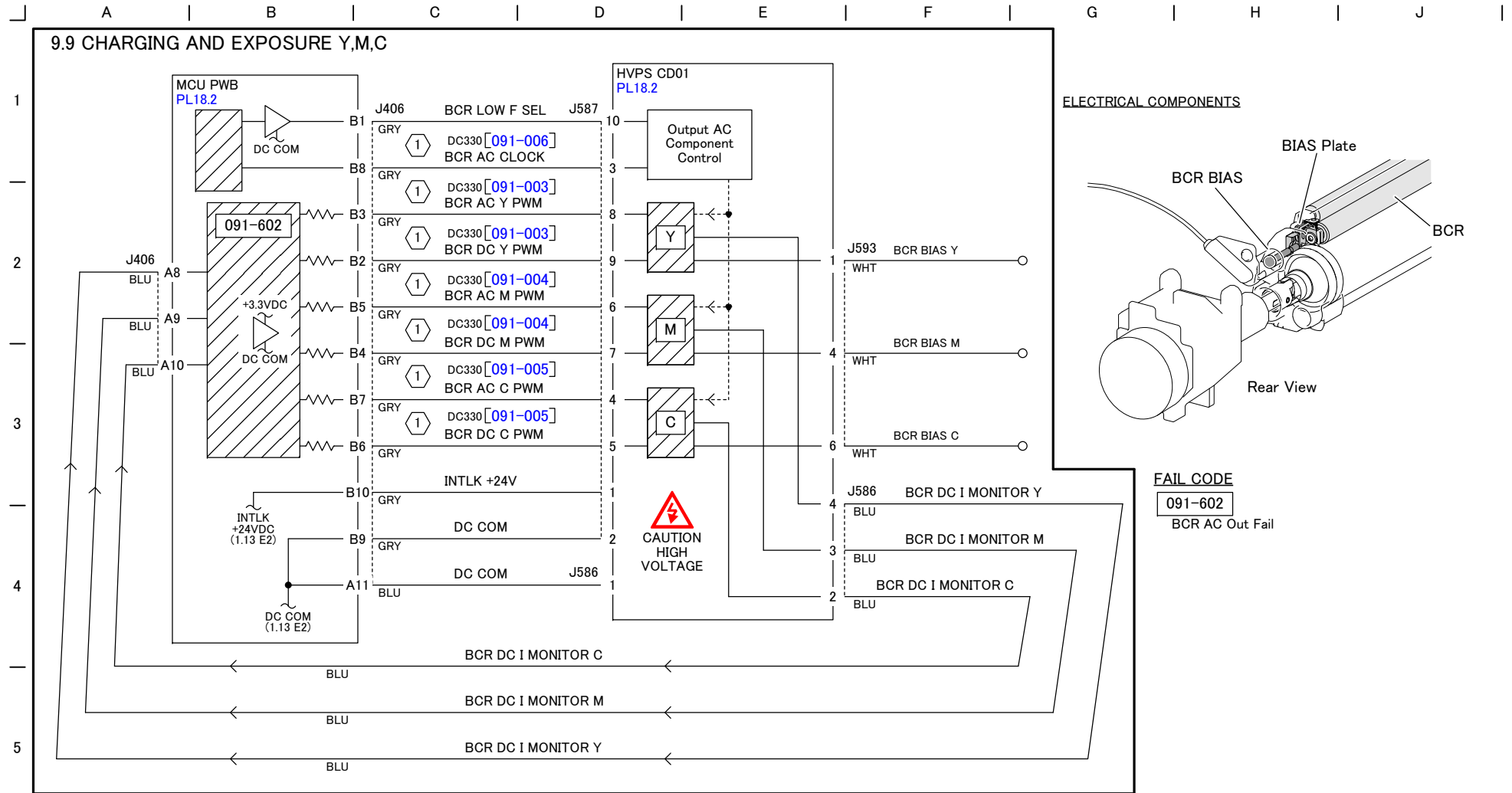
- 091-312
CC HVPS Broken Fail
- 091-320
CC Wire Cut Fail

ELECTRICAL COMPONENTS



1
2
3

4
5
6

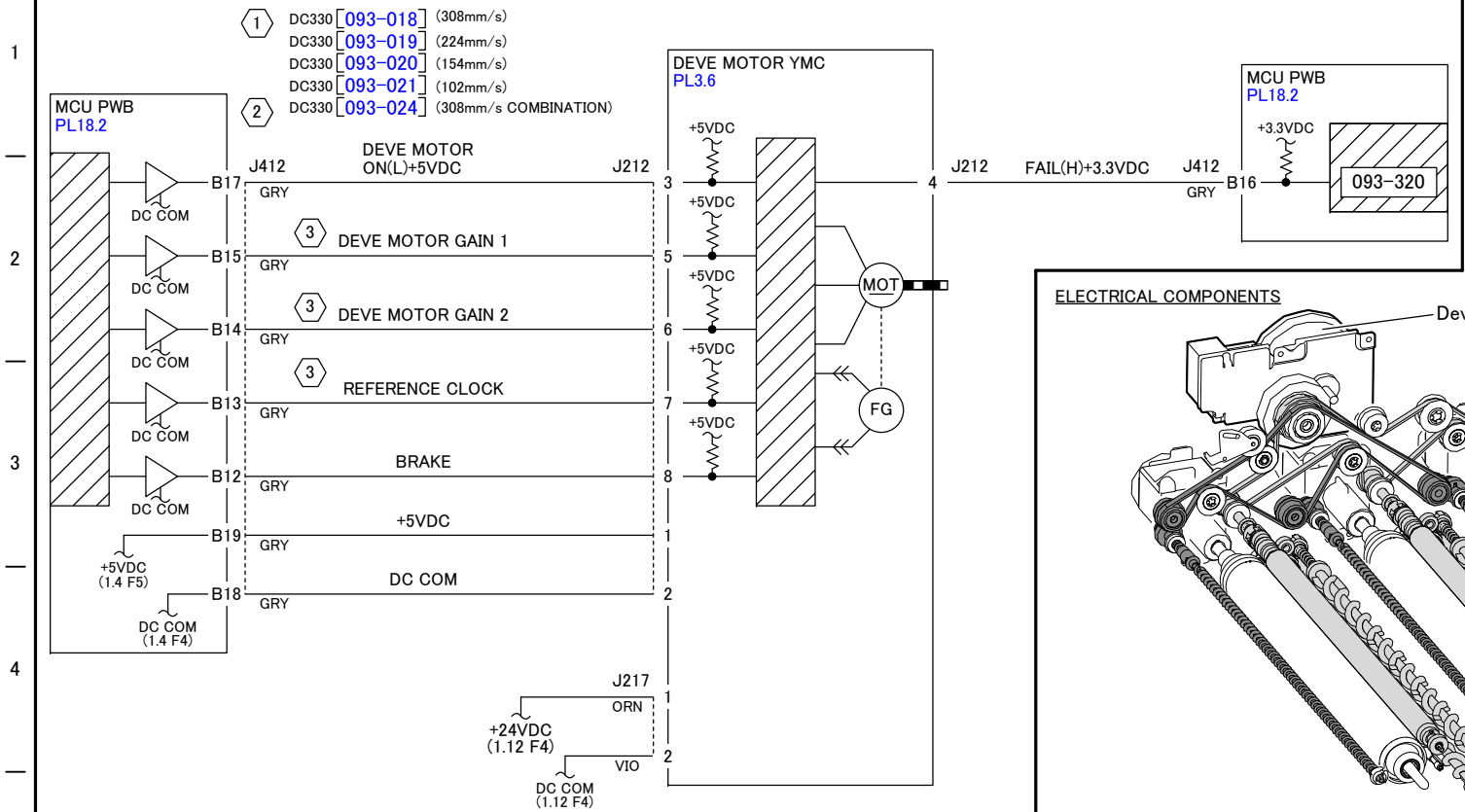


NOTE:

- 1 The use of DC330[091-003 to 005] combined with DC330[091-006] enables electric discharge. To start, first run DC330[091-006] to output BCR AC Clock. To stop, first stop DC330[091-003 to 005].

FAIL CODE
093-320
 Deve Motor Fail

9.10 DEVE Y,M,C DRIVE CONTROL



NOTE:

- 1 To run Deve Motor DC330[093-018]/[093-019]/[093-020]/[093-021] (one of them), follow the procedure below. Otherwise, developer could accumulate between Drum and Deve Roll.
- (1) Lower IBT Module.
 (2) Turn ON Drum Motor Y/M/C at appropriate motor speed.
 When turning ON DC330[093-018] (308mm/s), turn ON DC330[042-009] (308mm/s).
 When turning ON DC330[093-019] (224mm/s), turn ON DC330[042-010] (224mm/s).
 When turning ON DC330[093-020] (154mm/s), turn ON DC330[042-011] (154mm/s).
 When turning ON DC330[093-021] (102mm/s), turn ON DC330[042-012] (102mm/s).
 (3) Turn ON Deve Motor.
- 6 To stop, first stop (3) and then stop (2).

2 Run ON Deve Motor DC330[093-024] (308mm/s Combination) by combining it with the following components to prevent developer accumulation.

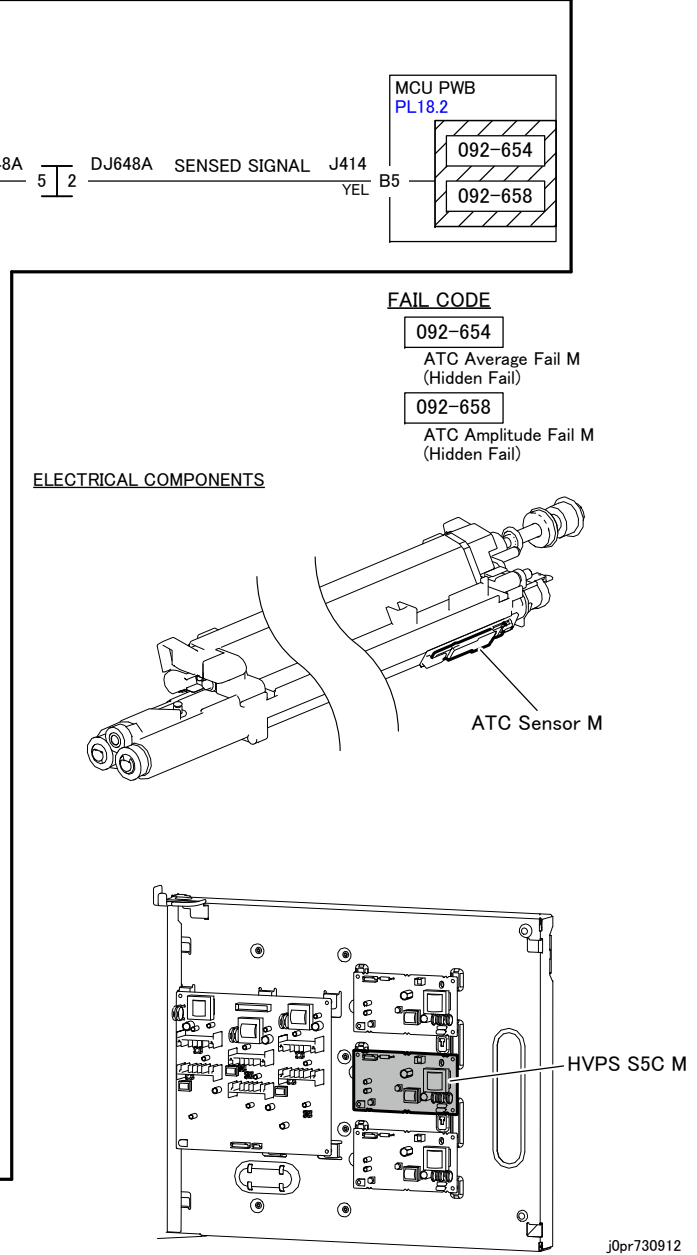
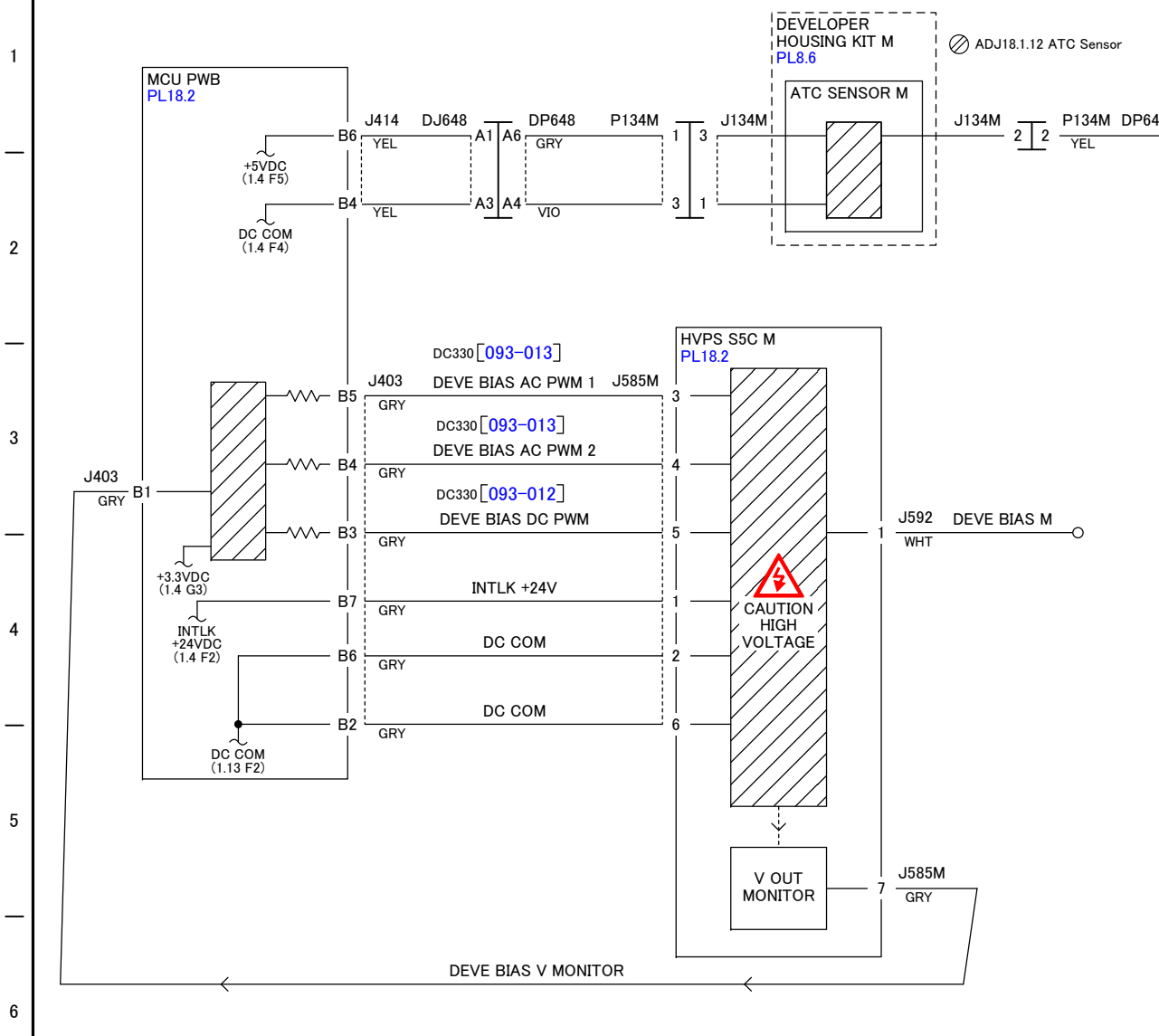
- Drum Motor Y/M/C DC330[042-009] (308mm/s)
 Deve Motor Y/M/C DC330[093-018] (308mm/s)
 Before running the above, lower IBT Module.

3 Deve Motor is controlled by a combination of Gain Signal 1/2 H/L levels and Ref Clock. The table shows the relation between diag code and process speed. (The table shows the actual voltage values.)

DC330	Process Speed	Gain 1	Gain 2	Ref Clock
093-018	308mm/s	+3.6V	+3.6V	1,756Hz
093-019	224mm/s	0V	+3.6V	1,280Hz
093-020	154mm/s	+3.6V	0V	878Hz
093-021	102mm/s	0V	0V	585Hz

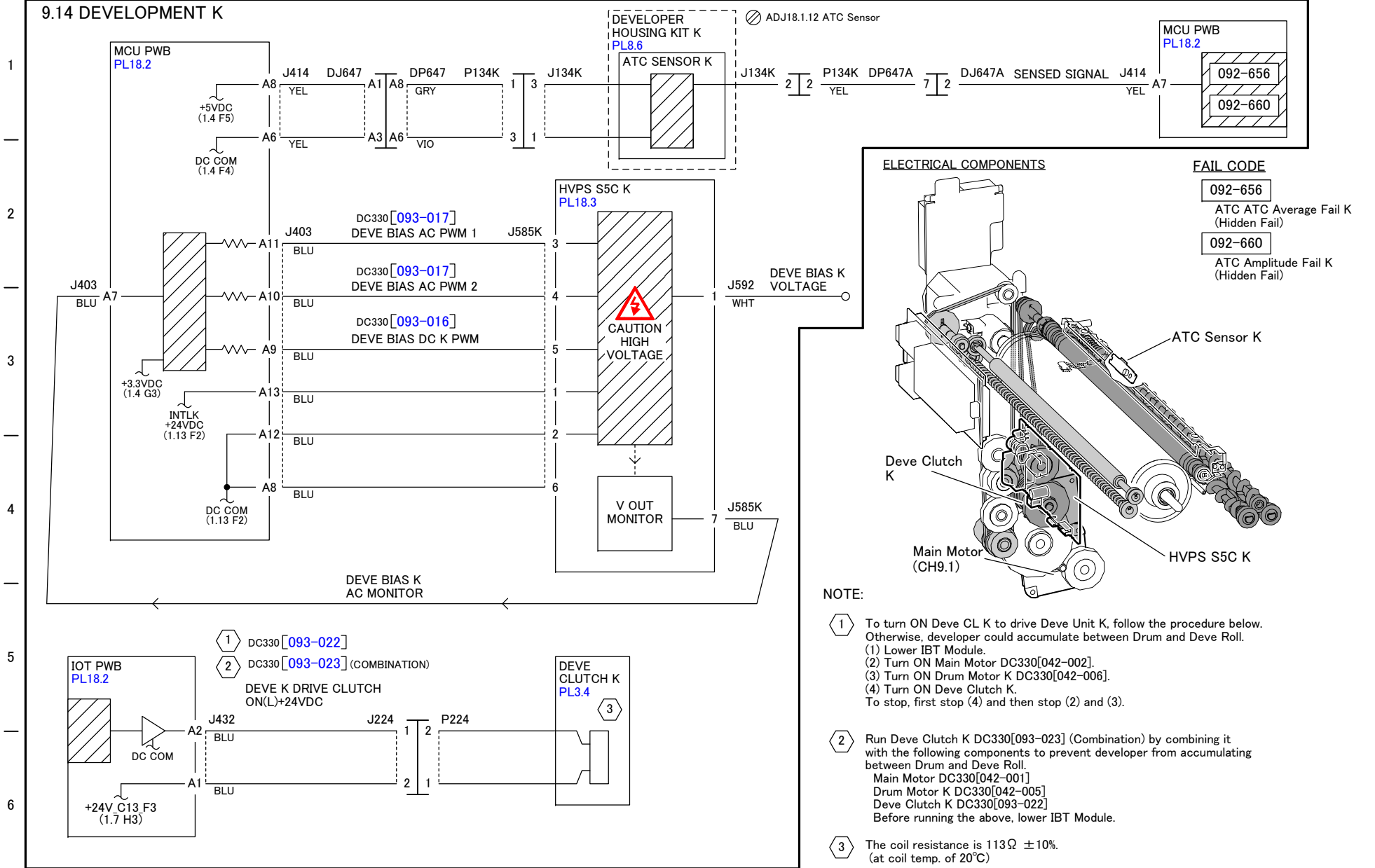
A | B | C | D | E | F | G | H | J

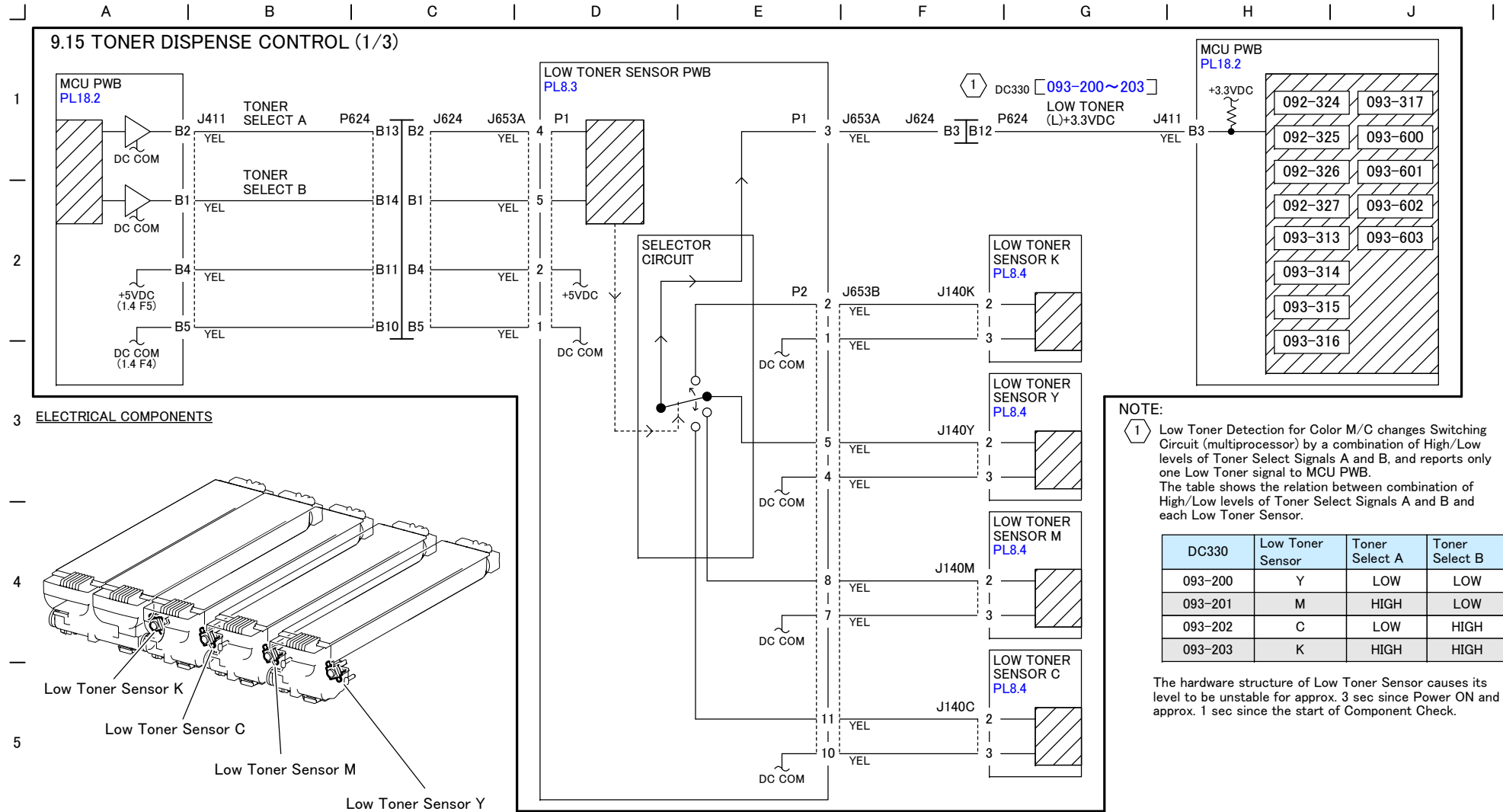
9.12 DEVELOPMENT M



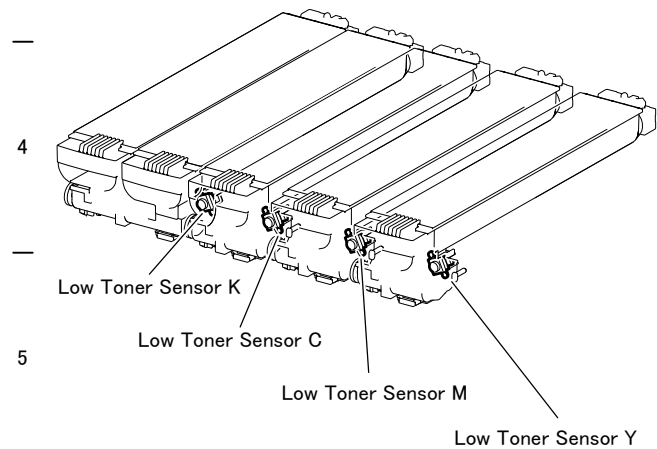
j0pr730912

9.14 DEVELOPMENT K





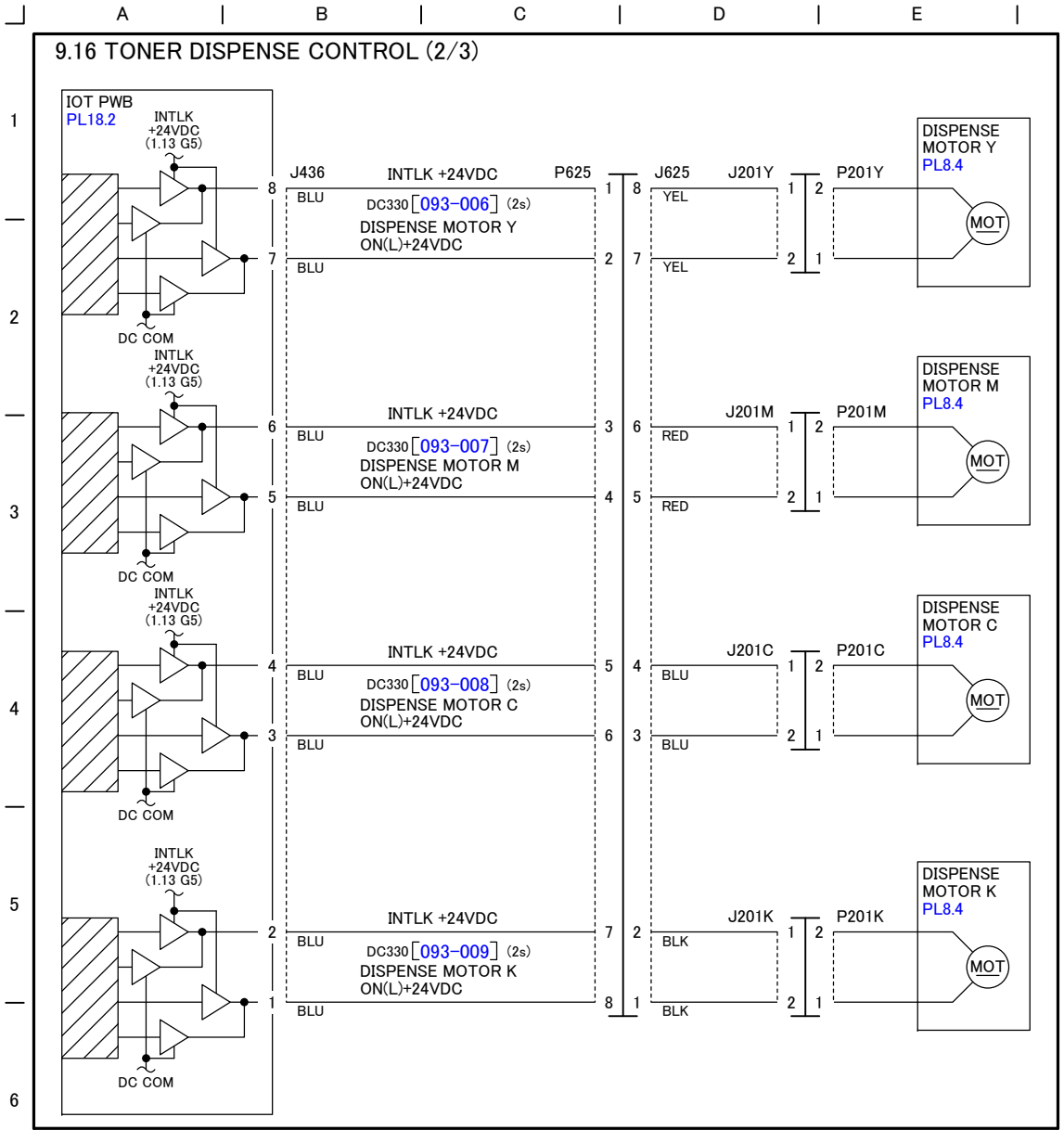
3 ELECTRICAL COMPONENTS



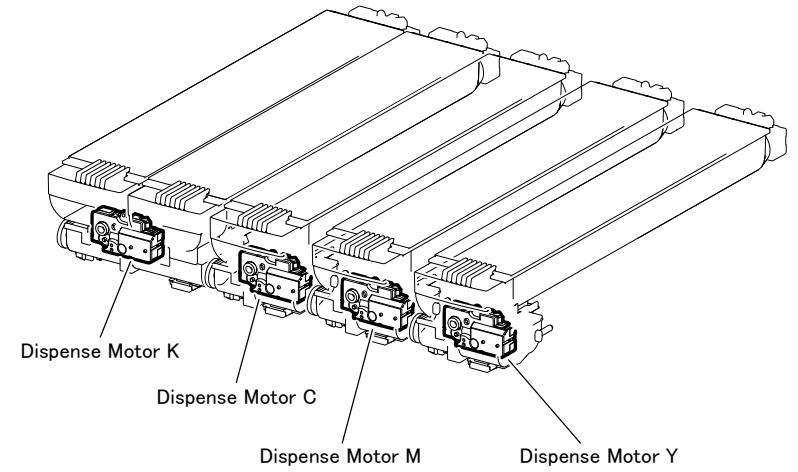
FAIL CODE

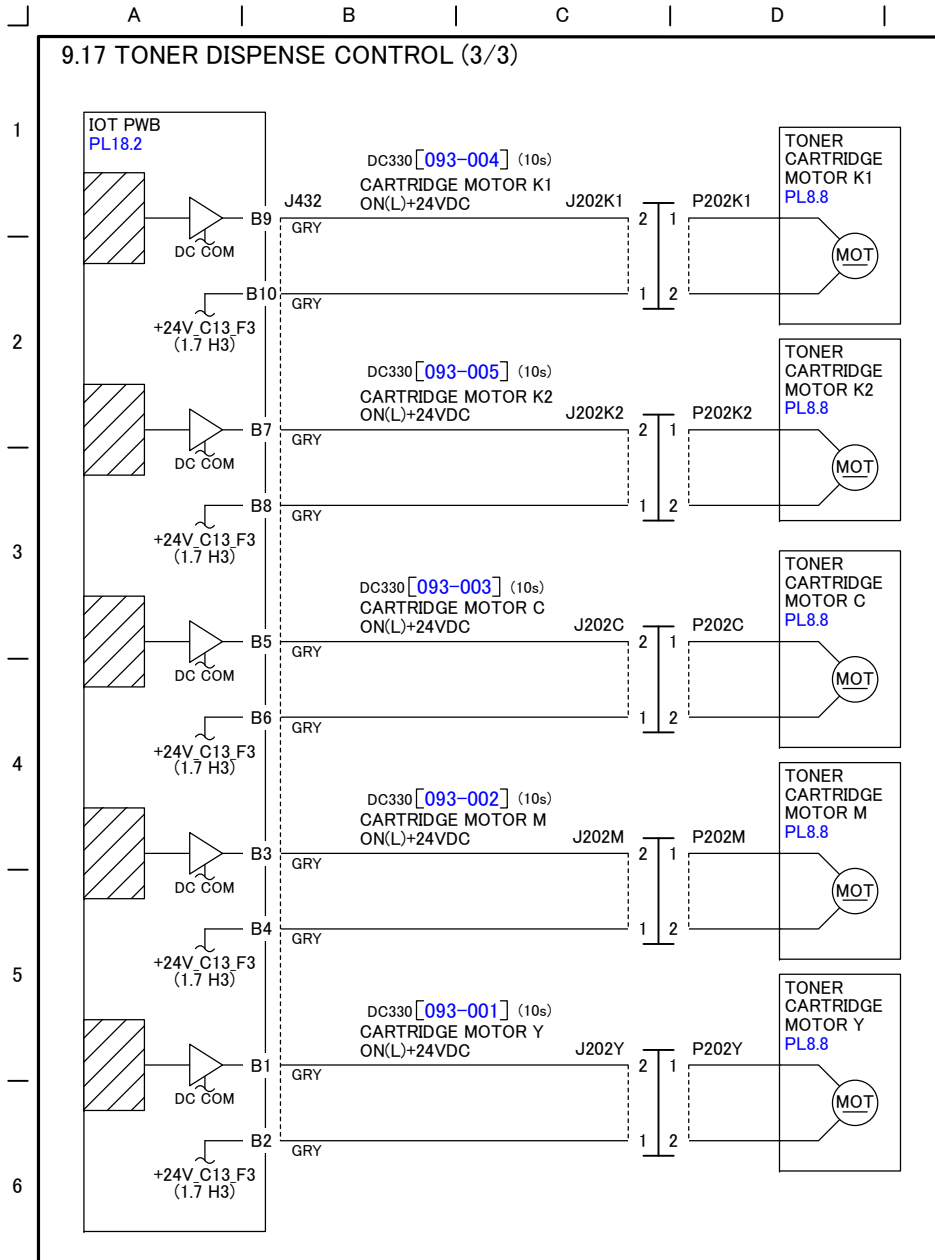
092-324	Low TC Y Fail	093-313	Auto Toner Filling Mode Aborted	093-317	Dispenser Broken K	093-603	Dispenser Near Broken K
092-325	Low TC M Fail	093-314	Dispenser Broken Y	093-600	Dispenser Near Broken Y		
092-326	Low TC C Fail	093-315	Dispenser Broken M	093-601	Dispenser Near Broken M		
092-327	Low TC K Fail	093-316	Dispenser Broken C	093-602	Dispenser Near Broken C		

6

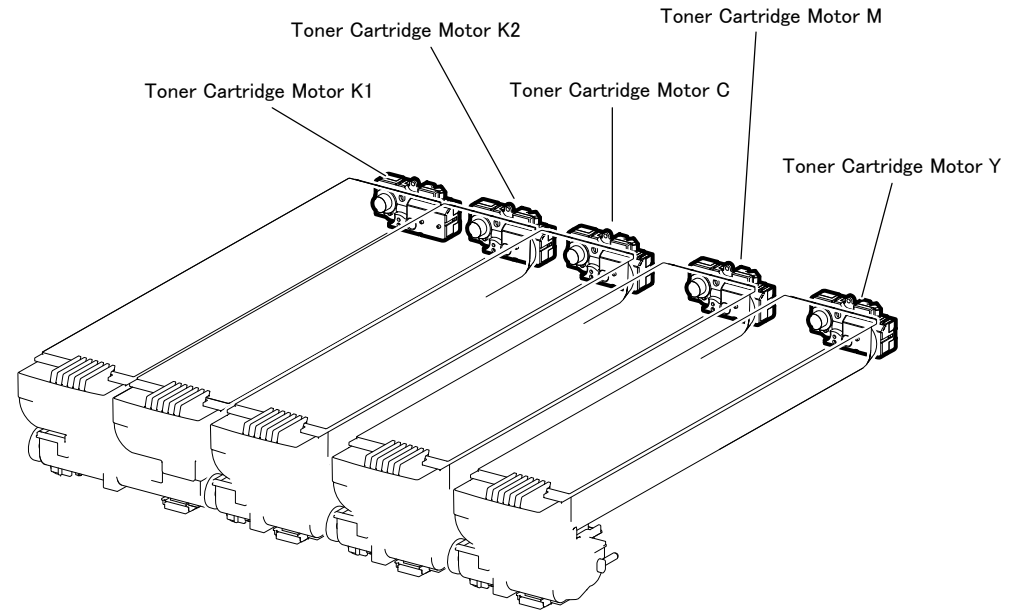


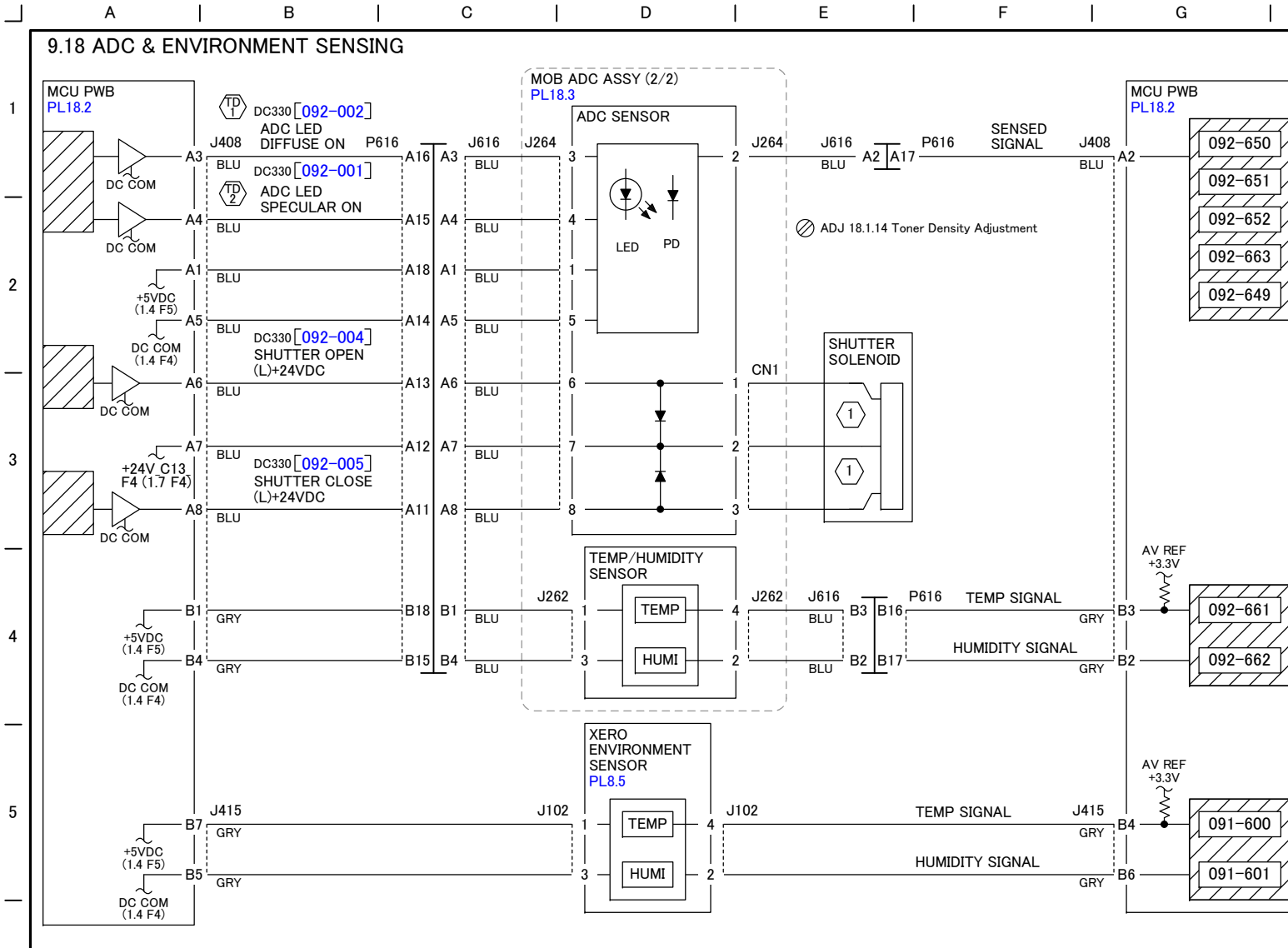
ELECTRICAL COMPONENTS





ELECTRICAL COMPONENTS

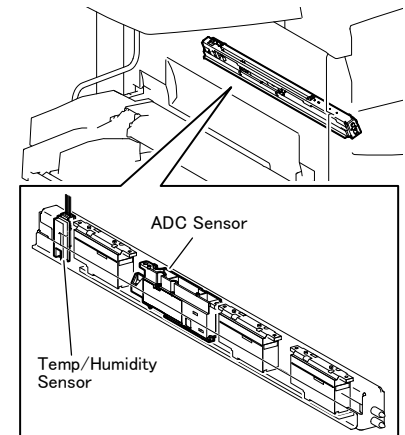




FAIL CODE

- 091-600**
Xero Temp. Sensor Fail (Hidden Fail)
- 091-601**
Xero Humidity Sensor Fail (Hidden Fail)
- 092-649**
ADC Shutter Open Fail (Hidden Fail)
- 092-650**
ADC Shutter Close Fail (Hidden Fail)
- 092-651**
ADC Sensor Fail (Hidden Fail)
- 092-652**
ADC Patch Fail (Hidden Fail)
- 092-661**
Temp. Sensor Fail (Hidden Fail)
- 092-662**
Humidity Sensor Fail (Hidden Fail)
- 092-663**
Mini Setup ADC Fail (Hidden Fail)

ELECTRICAL COMPONENTS



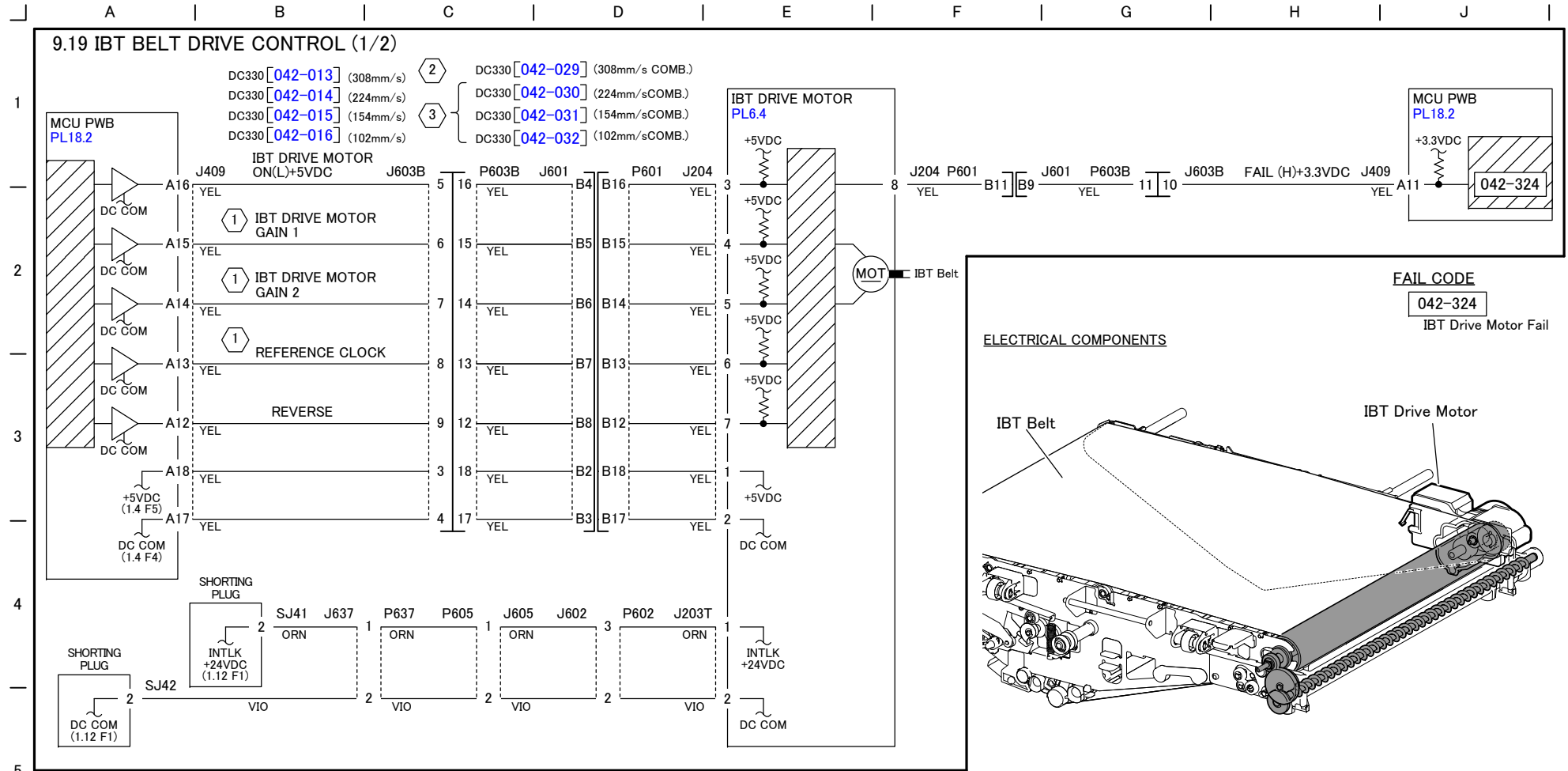
NOTE:

1 Shutter Solenoid coil resistance is as follows:
Open : $8\Omega \pm 10\%$
Closed : $24\Omega \pm 10\%$

TP1 Test Point: MCU PWB J408-A3 (+) to GND (-)
When DC330[092-002] is turned ON, +4.29VDC changes to 0VDC.

TP2 Test Point: MCU PWB J408-A4 (+) to GND (-)
When DC330[092-001] is turned ON, +4.29VDC changes to 0VDC.

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NOTE:

- ① IBT Drive is controlled by a combination of Gain Signal 1/2 H/L levels and Ref Clock. The table shows the relation between diag code and process speed. (The table shows the actual voltage values.) *Before turning ON diag, remove IBT Belt.
- ② Run IBT Belt Check DC330[042-029] (308mm/s COMB.) by combining it with the following components.
- ③ Run IBT Belt Check DC330[042-030] (224mm/s COMB.), DC330[042-031] (154mm/s COMB.) or DC330[042-032] (102mm/s COMB.) by combining it with the following Motors at appropriate speed.

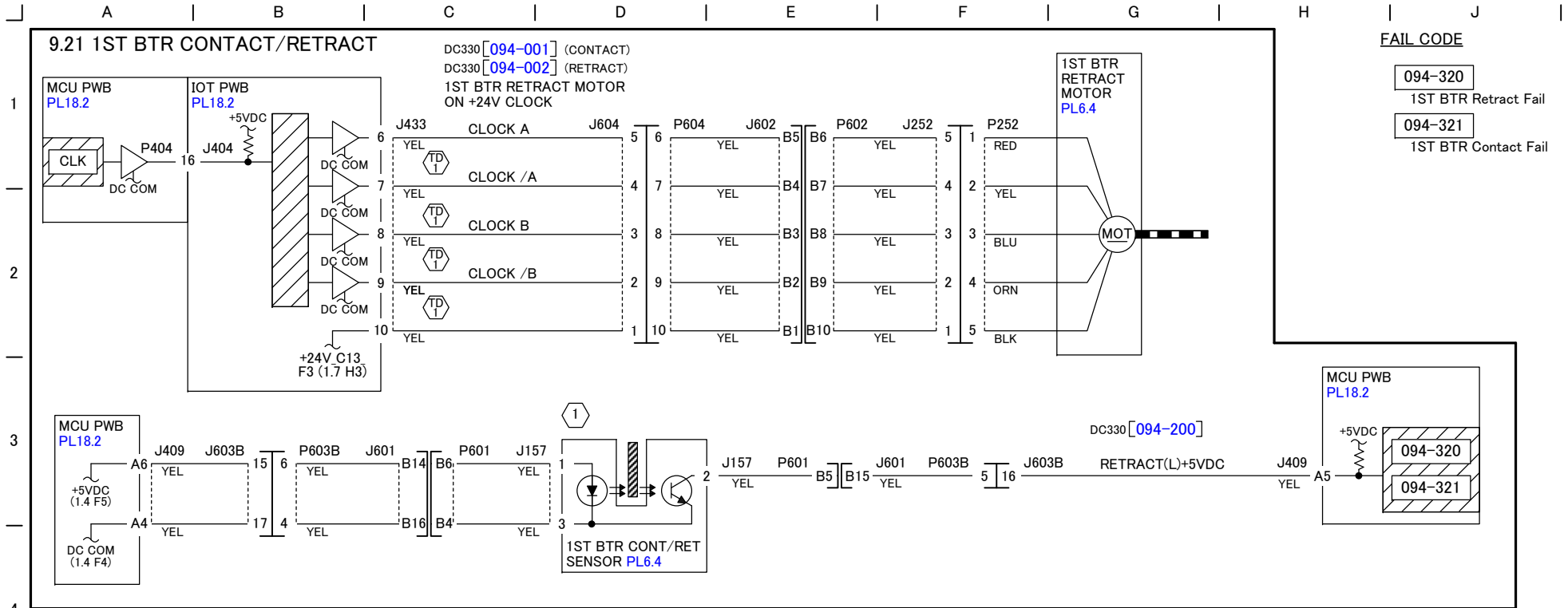
Drum Motor Y.M.C DC330[049-009]
Drum Motor K DC330[042-005]
Main Motor DC330[042-001]
IBT Drive Motor DC330[042-013]

Drum Motor Y.M.C DC330[049-010]
Drum Motor K DC330[042-006]
Main Motor DC330[042-002]
IBT Drive Motor DC330[042-014]

Before running the above, retract 1st BTR and make 2nd BTR contact.

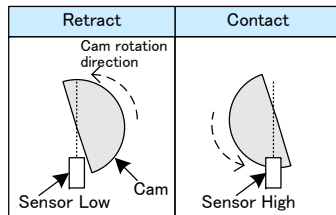
Before running the above, retract 1st BTR and make 2nd BTR contact.

DC330	Process Speed	Gain 1	Gain 2	Ref Clock
042-013	308mm/s	+3.6V	0V	1,737Hz
042-014	224mm/s	0V	+3.6V	1,265Hz
042-015	154mm/s	0V	0V	868Hz
042-016	102mm/s	+3.6V	0V	579Hz



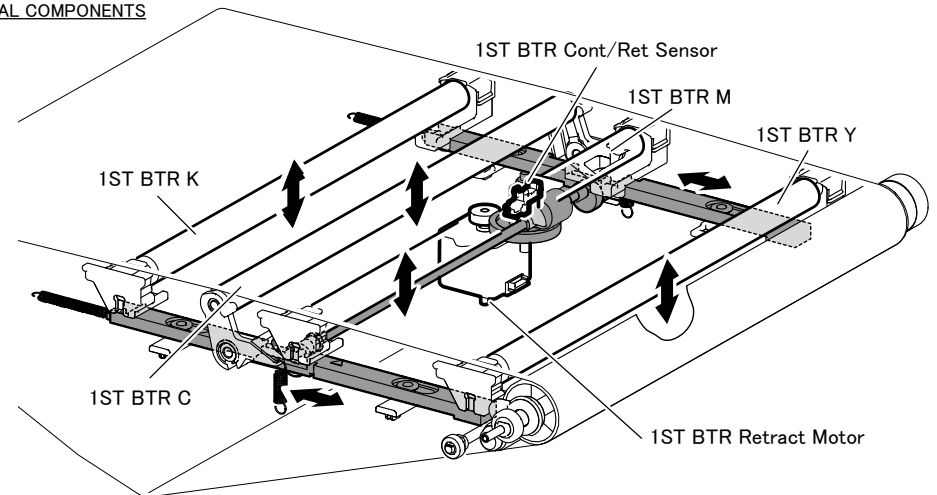
NOTE:

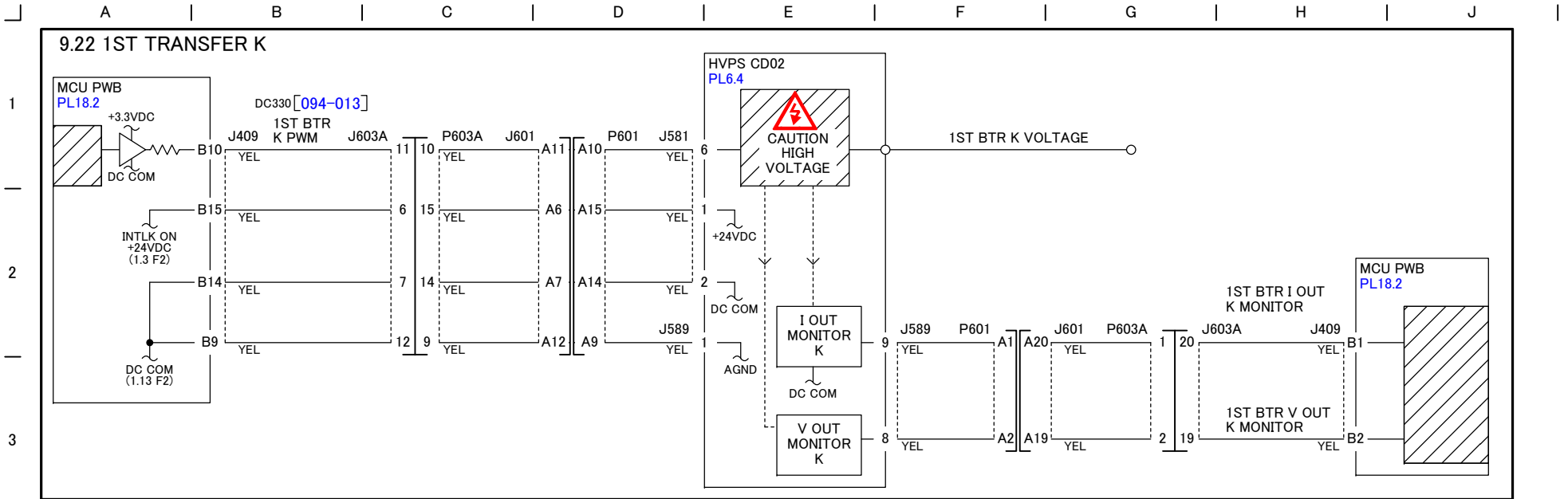
① Whether 1st BTR is contacted/retracted is detected by 1st BTR Contact/Retract Sensor. The following shows actuator position with 1st BTR contacted/retracted.



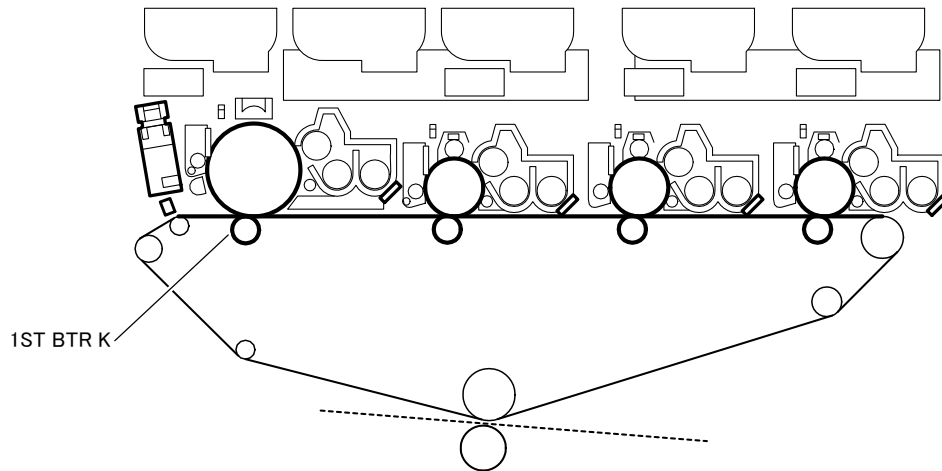
TD The Motor winding resistance is approx. 5.7 Ω at the following measurement points:
J433-10 to -6/7/8/9

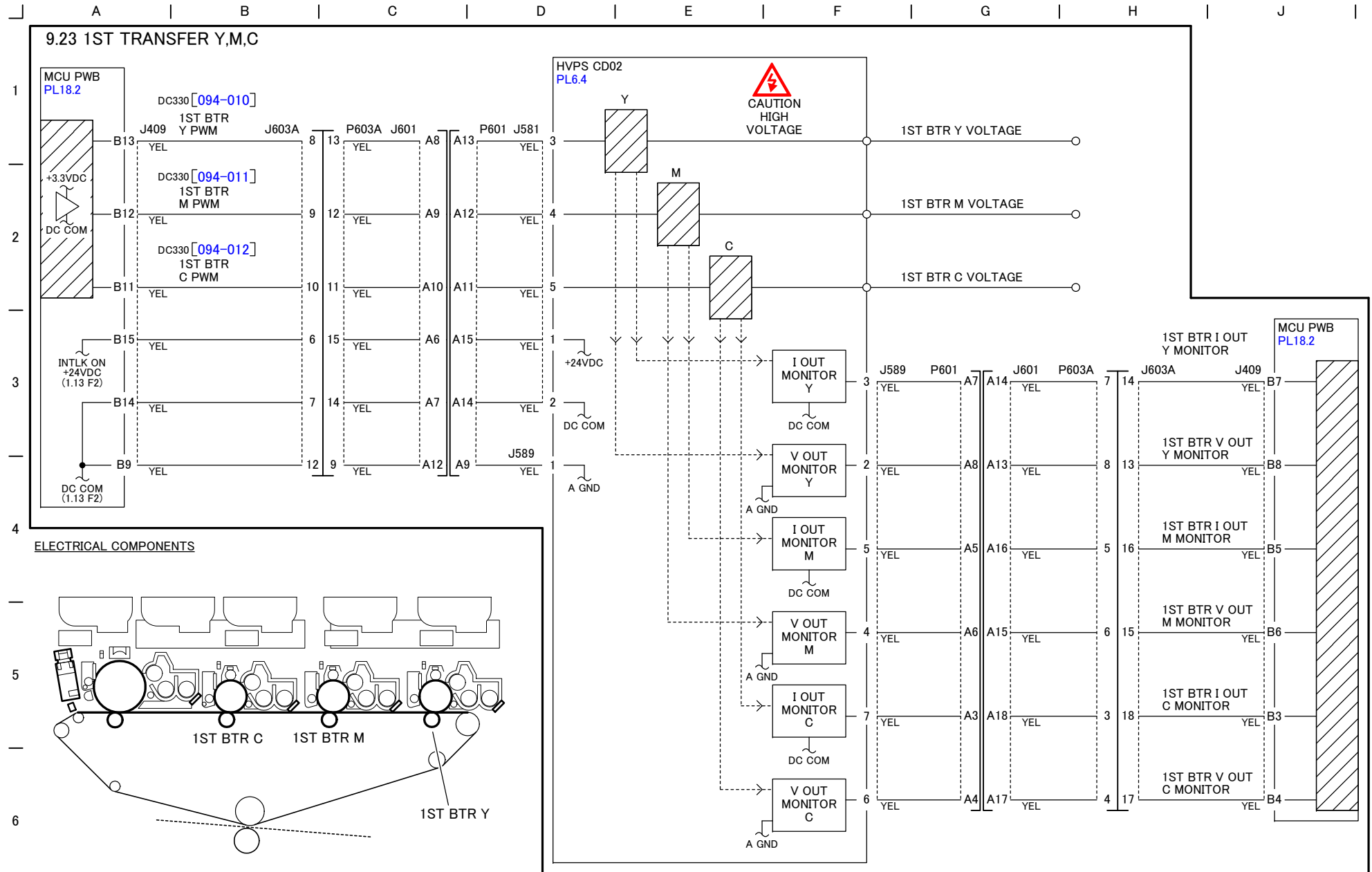
ELECTRICAL COMPONENTS



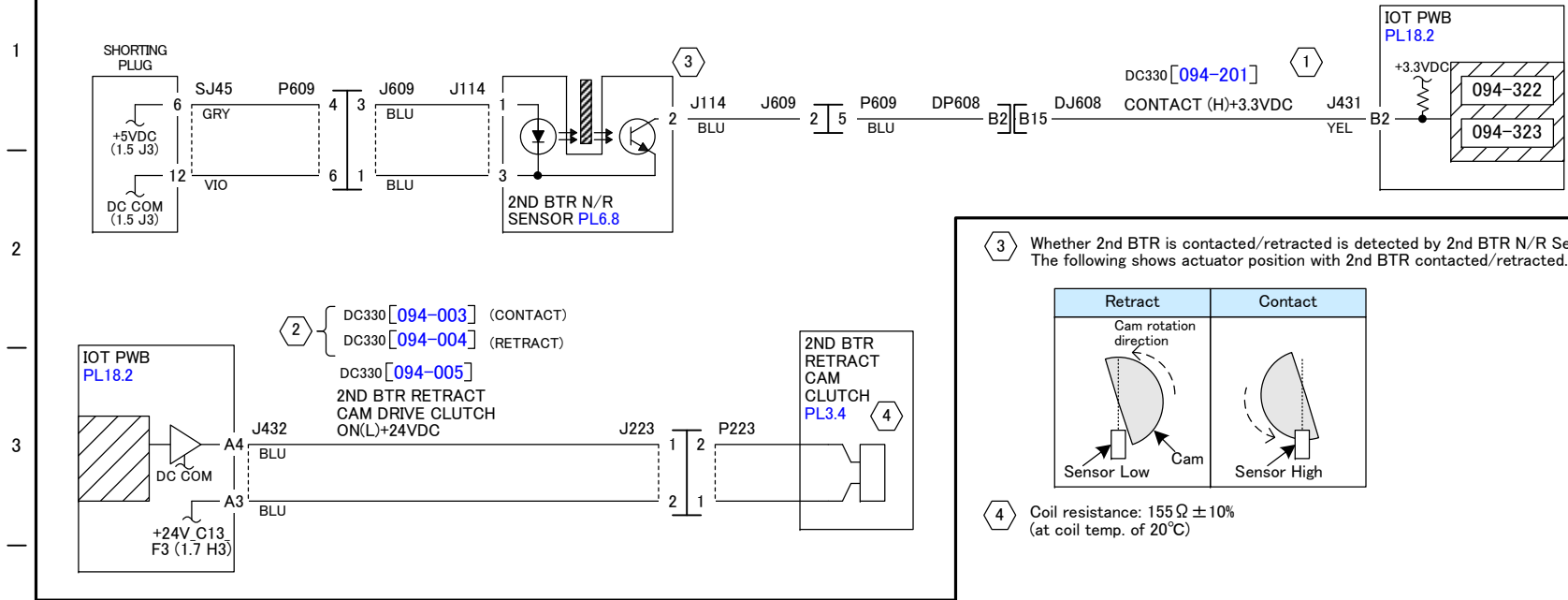


ELECTRICAL COMPONENTS





9.24 2ND BTR CONTACT/RETRACT

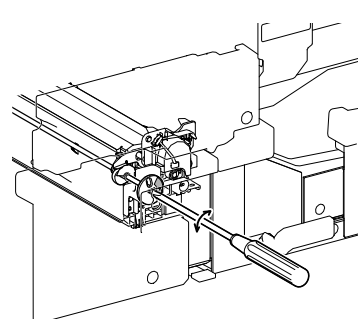
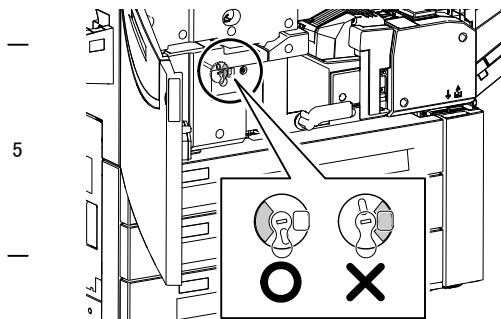


FAIL CODE

094-322	2ND BTR Retract Fail
094-323	2ND BTR Contact Fail

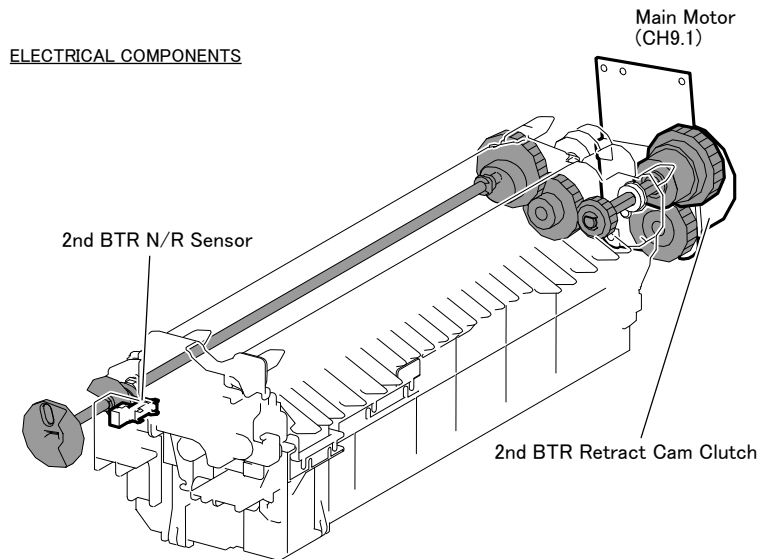
NOTE:

- 1 Whether 2nd BTR is contacted/retracted is detected by a specific color seen from the window for checking.
Yellow: Contacted
Black: Retracted
- Before sliding out the module, check that 2nd BTR is retracted. (If the module is slid out with 2nd BTR contacted, IBT and 2nd BTR will be damaged.) If it is contacted, rotate the shaft by the screwdriver and retract it by hand.

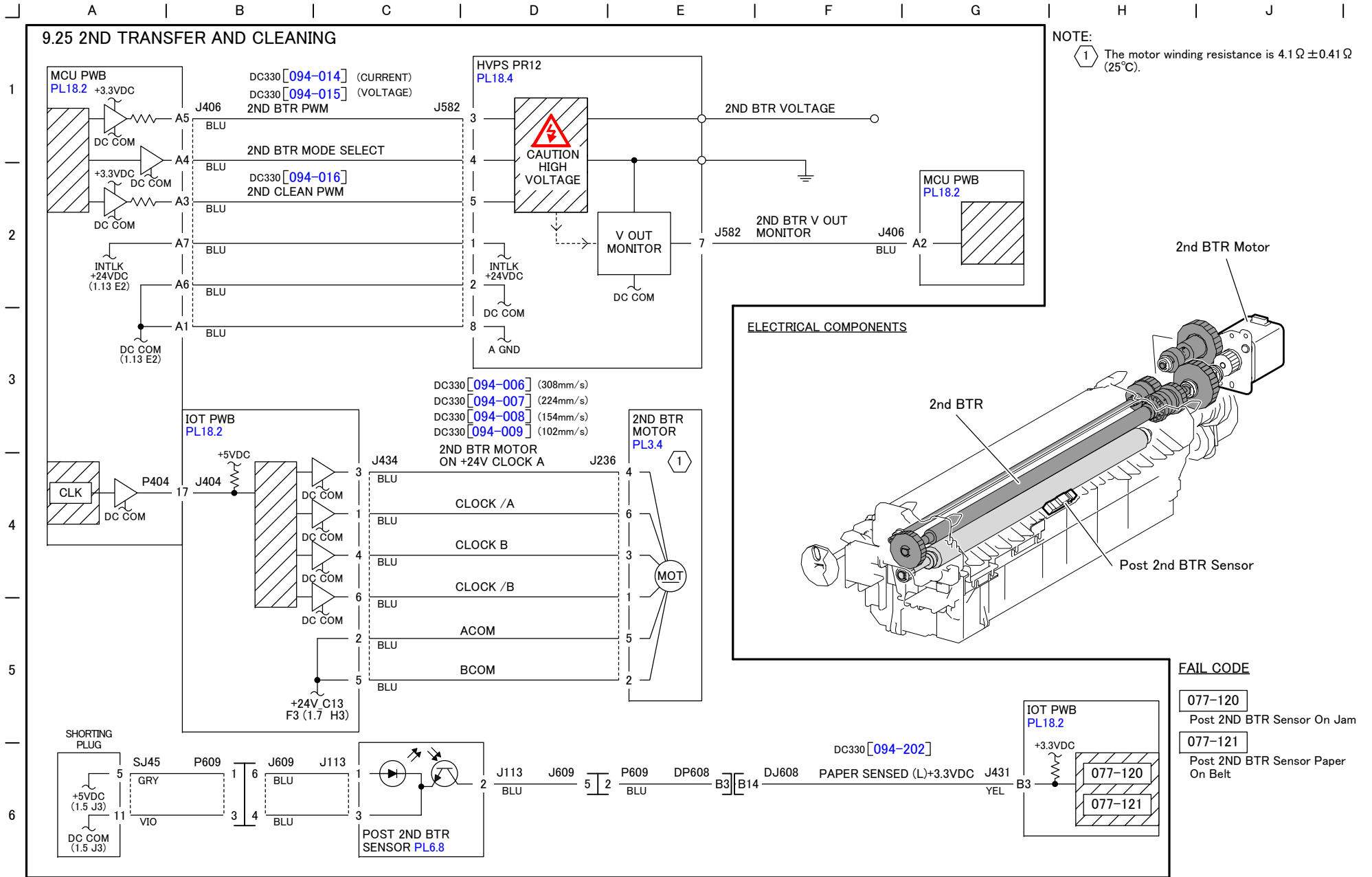


- 2 This component requires DC330[042-001 to 004] Main Motor (one of them) to be first operated.
DC330[094-003] (Contact) stops the operation when 2nd BTR Contact/Retract Sensor detects 2nd BTR contacted.
DC330[094-004] (Retract) stops the operation when 2nd BTR Contact/Retract Sensor detects 2nd BTR retracted.

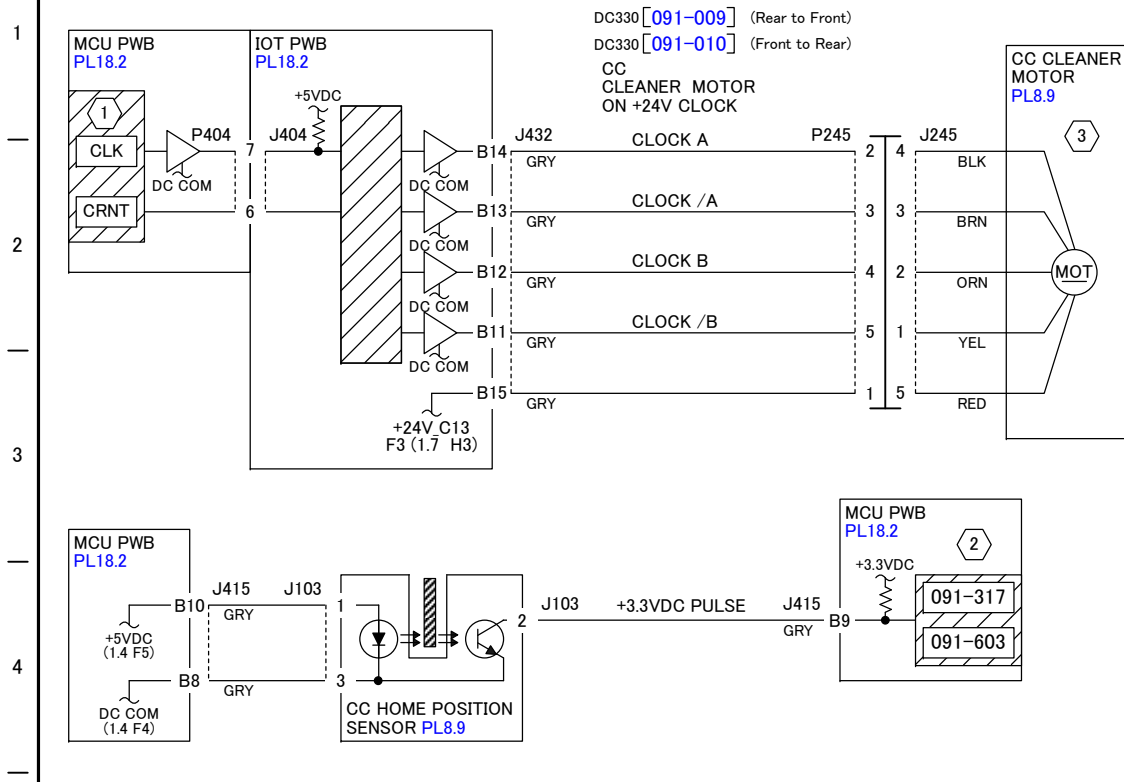
ELECTRICAL COMPONENTS



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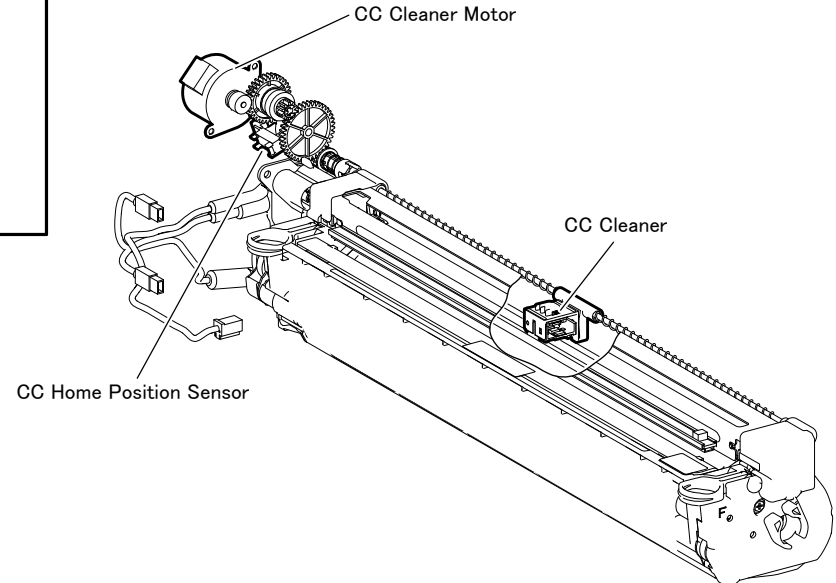
9.26 CC AND SCOROTRON CLEANING



NOTE:

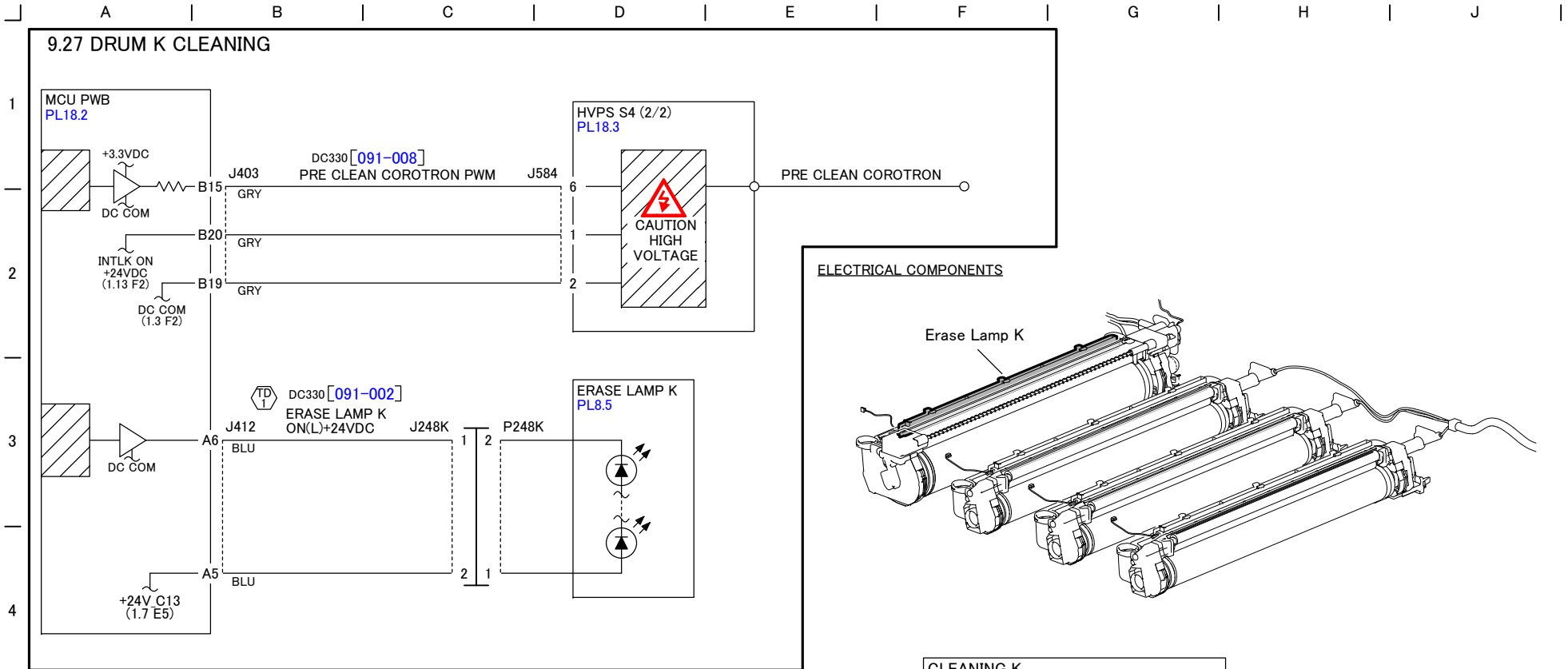
- 1 The Cleaner operation starts under the following conditions:
 1. One of PV, Drum Cycle Qty, Pixel Count and CC Charge Duration has reached threshold.
 2. NVM[CC Clean State] indicates that the Cleaning operation has not finished.
 3. New K CRUM is detected.
- 2 There is a strong possibility that the CC Cleaner is not at Home Position when the CC Home Position Sensor sends out a pulse signal. To avoid this, the CC Cleaner reciprocates to move to Home Position without fail.
- 3 The motor winding resistance is $15\Omega \pm 10\%$

ELECTRICAL COMPONENTS

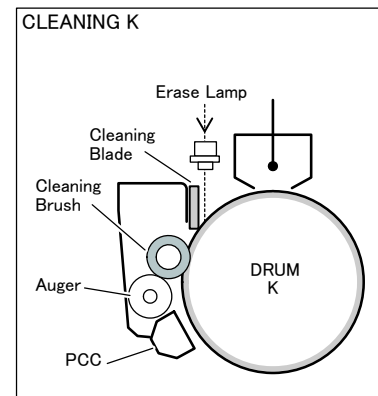


FAIL CODE

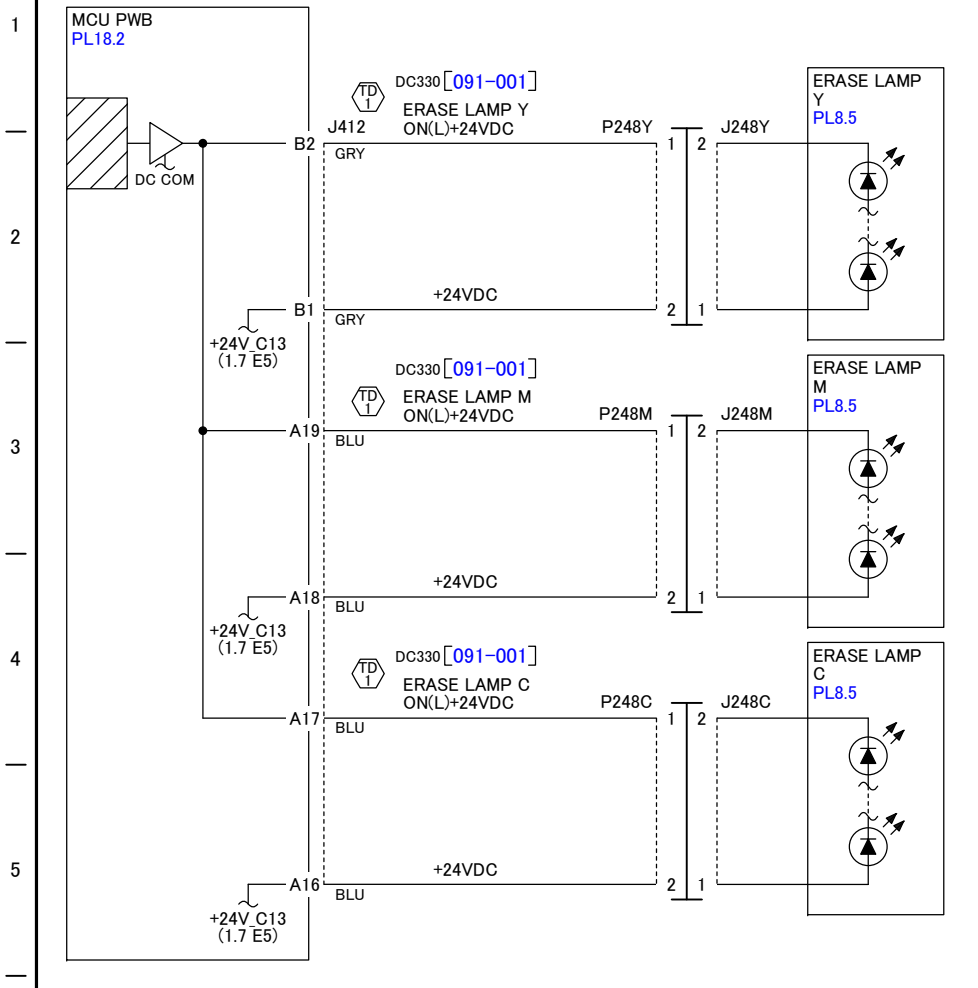
- | | |
|---------|----------------------------|
| 091-317 | CC Cleaner Broken Fail |
| 091-603 | CC Cleaner Short Time Fail |



TD 1 Test Point: MCU PWB J412-A6 (+) to GND (-)
When diag is turned ON, +8.69VDC changes to 0VDC.

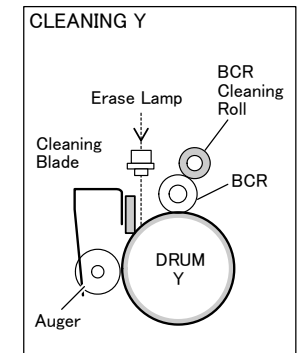
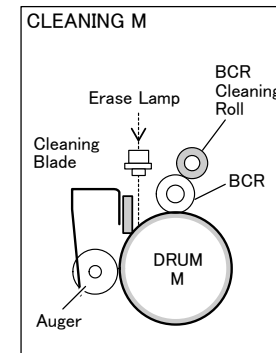
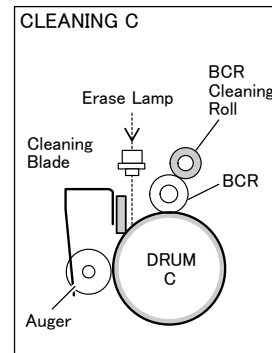
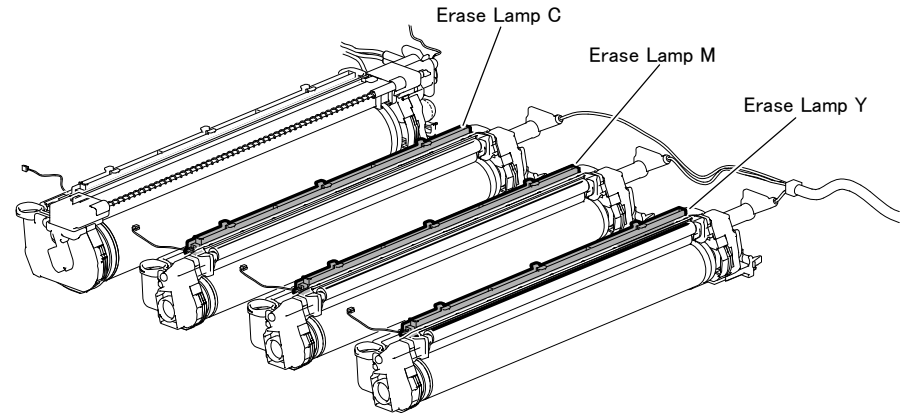


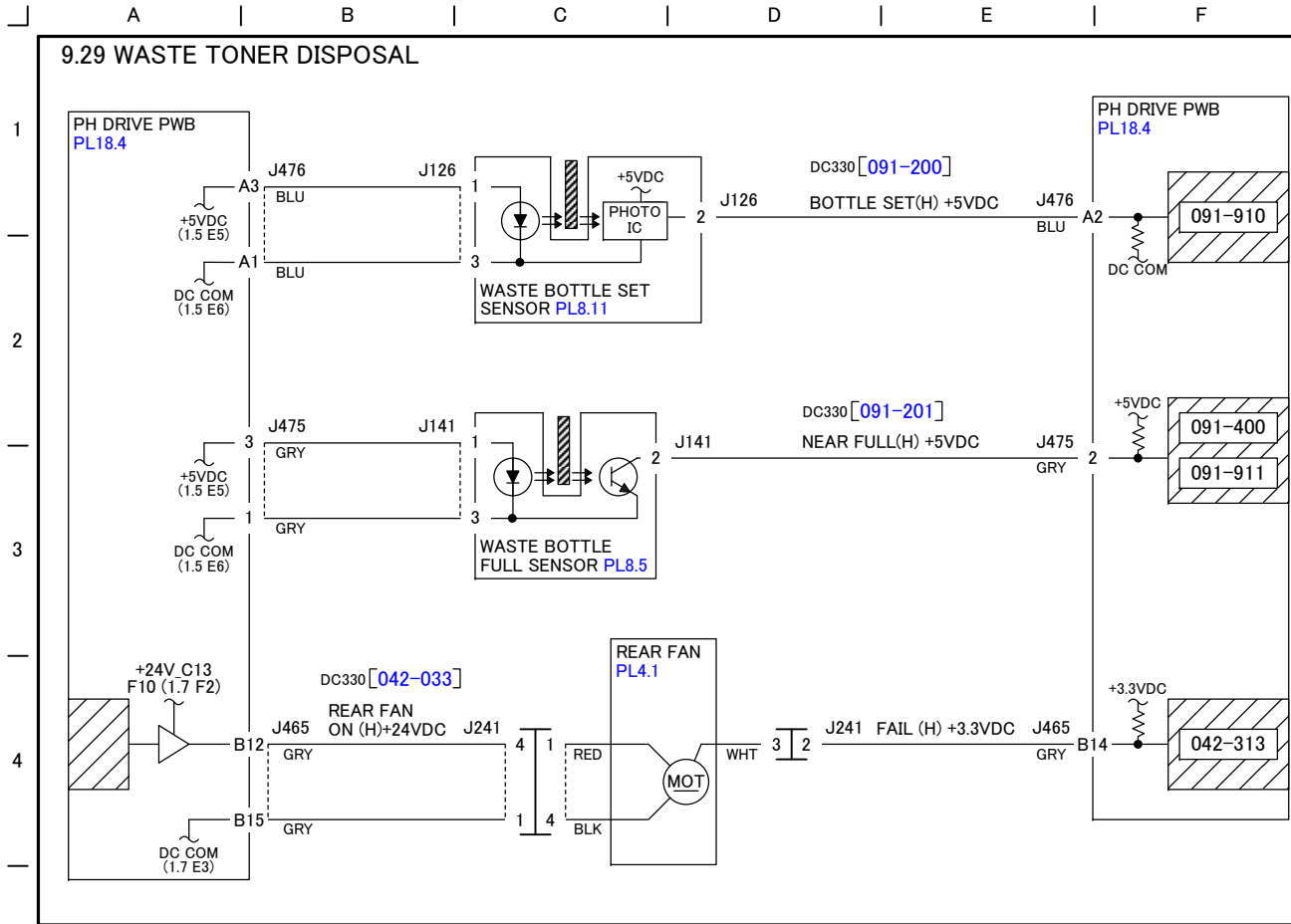
9.28 DRUM Y,M,C CLEANING



Test Point: MCU PWB J412-B2/A19/A17 (+) to GND (-)
When diag is turned ON, +9.4VDC changes to 0VDC.

ELECTRICAL COMPONENTS

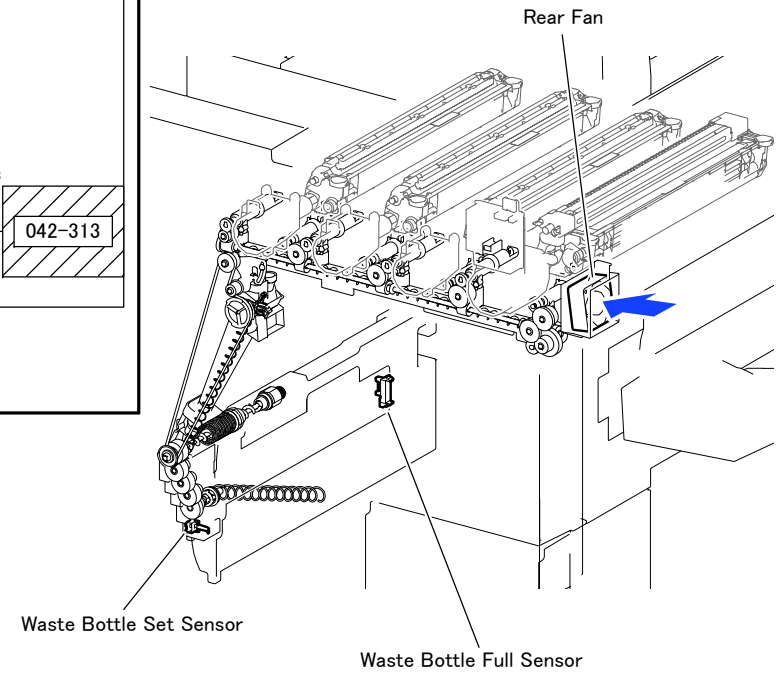




FAIL CODE

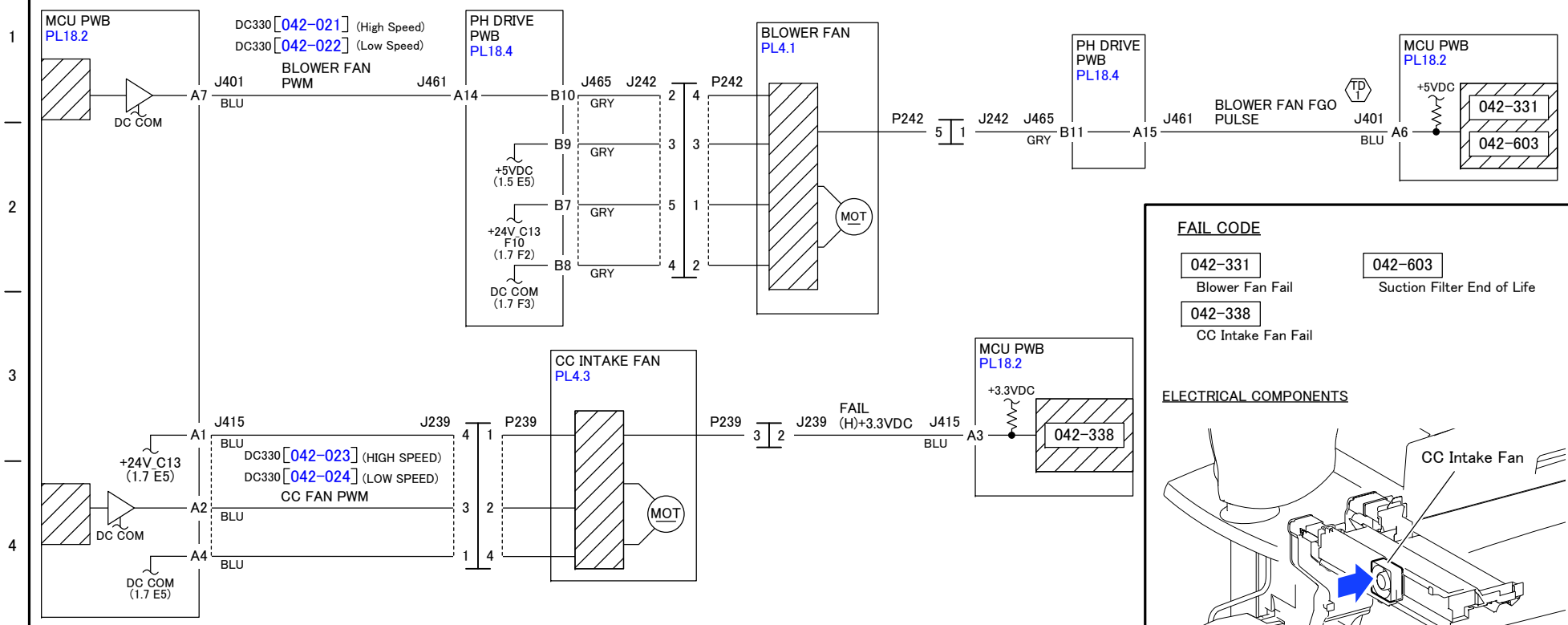
- 042-313
Rear Fan Fail
- 091-400
Waste Bottle Near Full
- 091-910
Waste Bottle Not Position
- 091-911
Waste Bottle Full

ELECTRICAL COMPONENTS



A | B | C | D | E | F | G | H | J

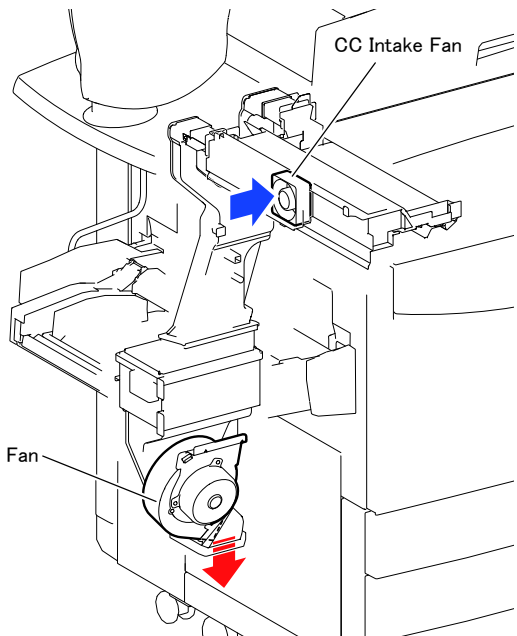
9.30 BLOWER AND CC FAN CONTROL



FAIL CODE

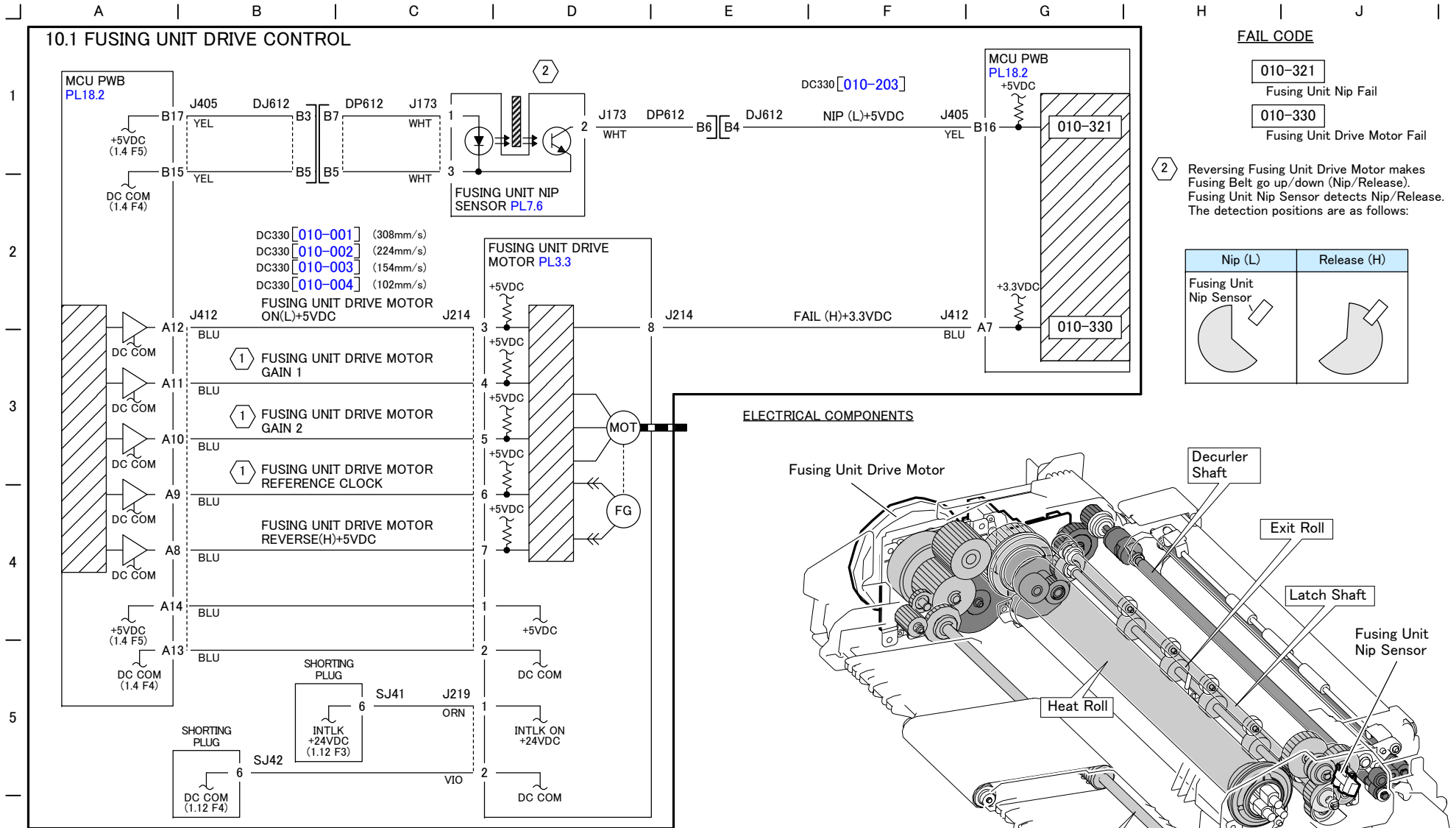
- 042-331** Blower Fan Fail
- 042-603** Suction Filter End of Life
- 042-338** CC Intake Fan Fail

ELECTRICAL COMPONENTS



ⓉP Test Point: MCU PWB J401-A6 (+) to GND (-)
 Not in operation: +5VDC
 Under normal rotation: approx. +2.6VDC

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FAIL CODE

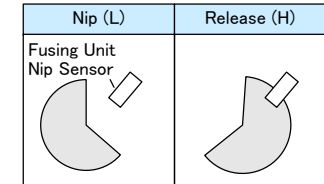
010-321

Fusing Unit Nip Fail

010-330

Fusing Unit Drive Motor Fail

2 Reversing Fusing Unit Drive Motor makes Fusing Belt go up/down (Nip/Release). Fusing Unit Nip Sensor detects Nip/Release. The detection positions are as follows:

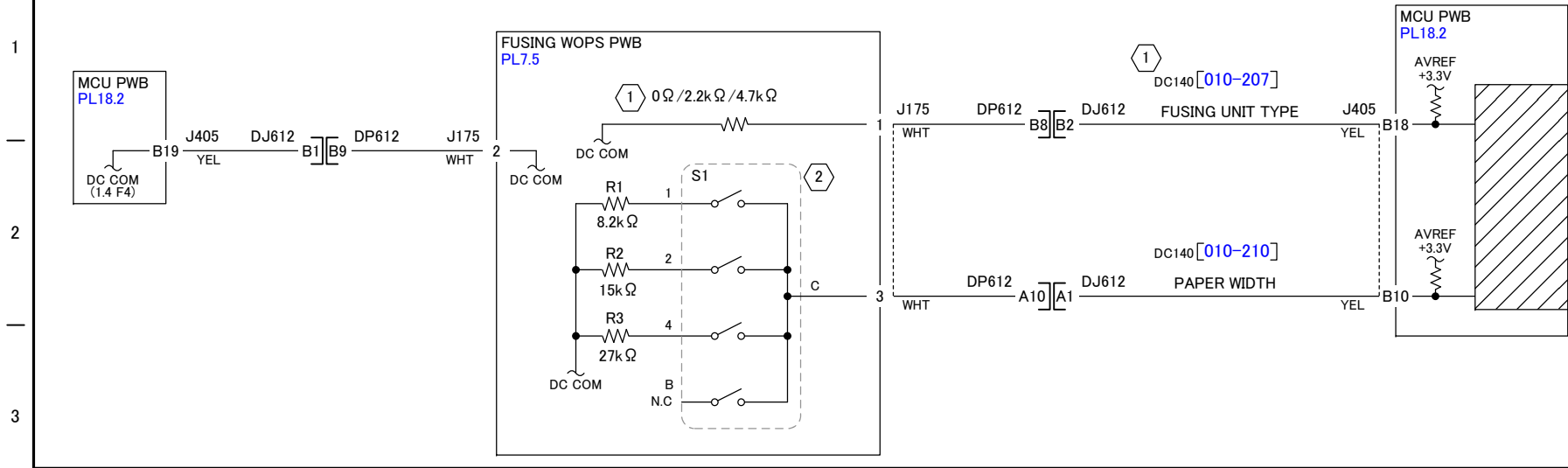


NOTE:

1 Fusing Unit Drive Motor is controlled by a combination of Gain Signal 1/2 H/L levels and Ref. Clock. The table shows the relation between diag code and process speed. (The table shows the actual voltage values.)

DC330	Process Speed	Gain 1	Gain 2	Ref Clock
010-001	308mm/s	+4.4V	+4.4V	1,692Hz
010-002	224mm/s	0V	+4.4V	1,232Hz
010-003	154mm/s	+4.4V	0V	846Hz
010-004	102mm/s	0V	0V	564Hz

10.2 FUSING UNIT TYPE DETECTION (FX ONLY)



NOTE:

① The type of the Fusing Unit depends on the resistance value.

② Rotating SW1 changes the combined resistance. The table below shows the relation between resistance value and paper width.

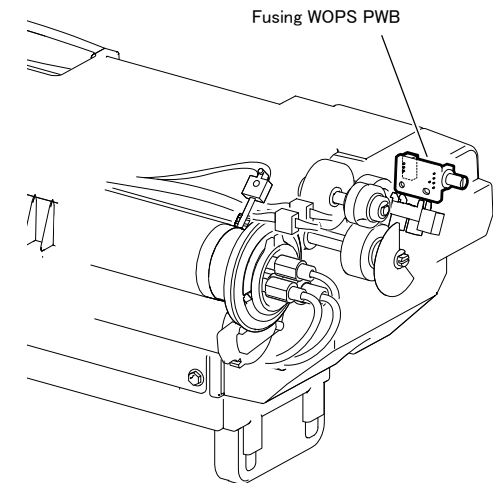
Value of resistance	Type
0Ω	STD/Conductive Belt
2.21kΩ	Action for curled thick paper
4.7kΩ	Action for wrinkled envelope paper

The value of DC140 [010-207] (Fusing Unit Harness Type)

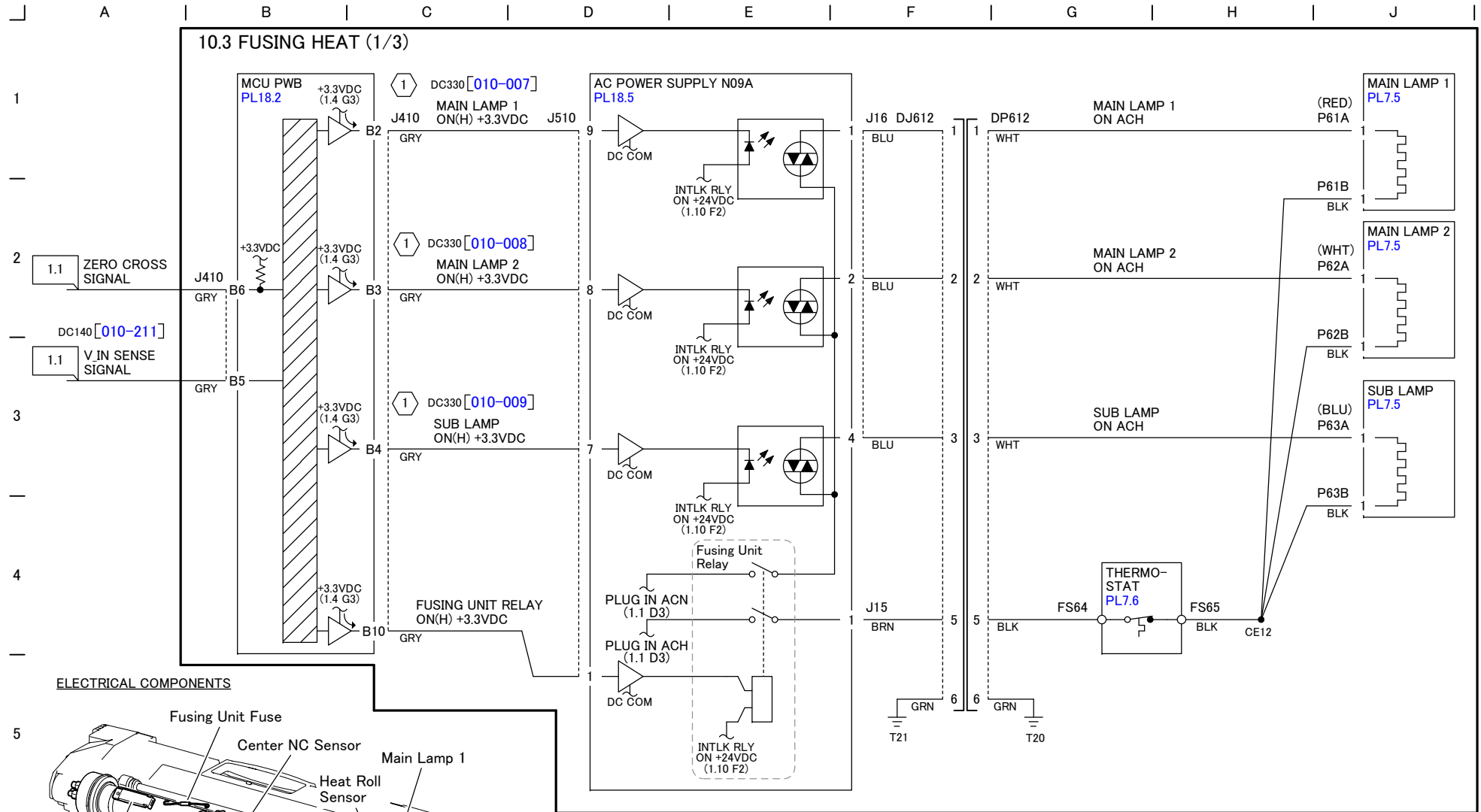
Normal output range	: 0~1023
Standard	: 0~127
Curled Thick Paper	: 128~255
Wrinkled Envelope Paper	: 256~383
No circuit/Not installed	: 896~1023
Abnormal range	: other than the above

S1	Value of resistance	Paper Width Setting		FX Default (0.1mm)
		Parameter Name	Chain Link	
0	4.43kΩ	Max Paper Width for feed (Paper Width Setting 0)	745-497	3302
		Min. Paper Width for feed (Paper Width Setting 0)	745-498	1000
1	9.64kΩ	Max Paper Width for feed (Paper Width Setting 1)	745-499	3302
		Min. Paper Width for feed (Paper Width Setting 1)	745-500	1000
2	6.28kΩ	Max Paper Width for feed (Paper Width Setting 2)	745-501	3302
		Min. Paper Width for feed (Paper Width Setting 2)	745-502	1000
3	26.95kΩ	Max Paper Width for feed (Paper Width Setting 3)	745-503	3302
		Min. Paper Width for feed (Paper Width Setting 3)	745-504	1000
4	5.30kΩ	Max Paper Width for feed (Paper Width Setting 4)	745-505	3302
		Min. Paper Width for feed (Paper Width Setting 4)	745-506	1000
5	15kΩ	Max Paper Width for feed (Paper Width Setting 5)	745-507	3302
		Min. Paper Width for feed (Paper Width Setting 5)	745-508	1000
6	8.19kΩ	Max Paper Width for feed (Paper Width Setting 6)	745-509	3302
		Min. Paper Width for feed (Paper Width Setting 6)	745-510	1000
7	OPEN	Max Paper Width for feed (Paper Width Setting 7)	745-511	3302
		Min. Paper Width for feed (Paper Width Setting 7)	745-512	1000
8	4.43kΩ	-	-	-
9	9.64kΩ	-	-	-

ELECTRICAL COMPONENTS

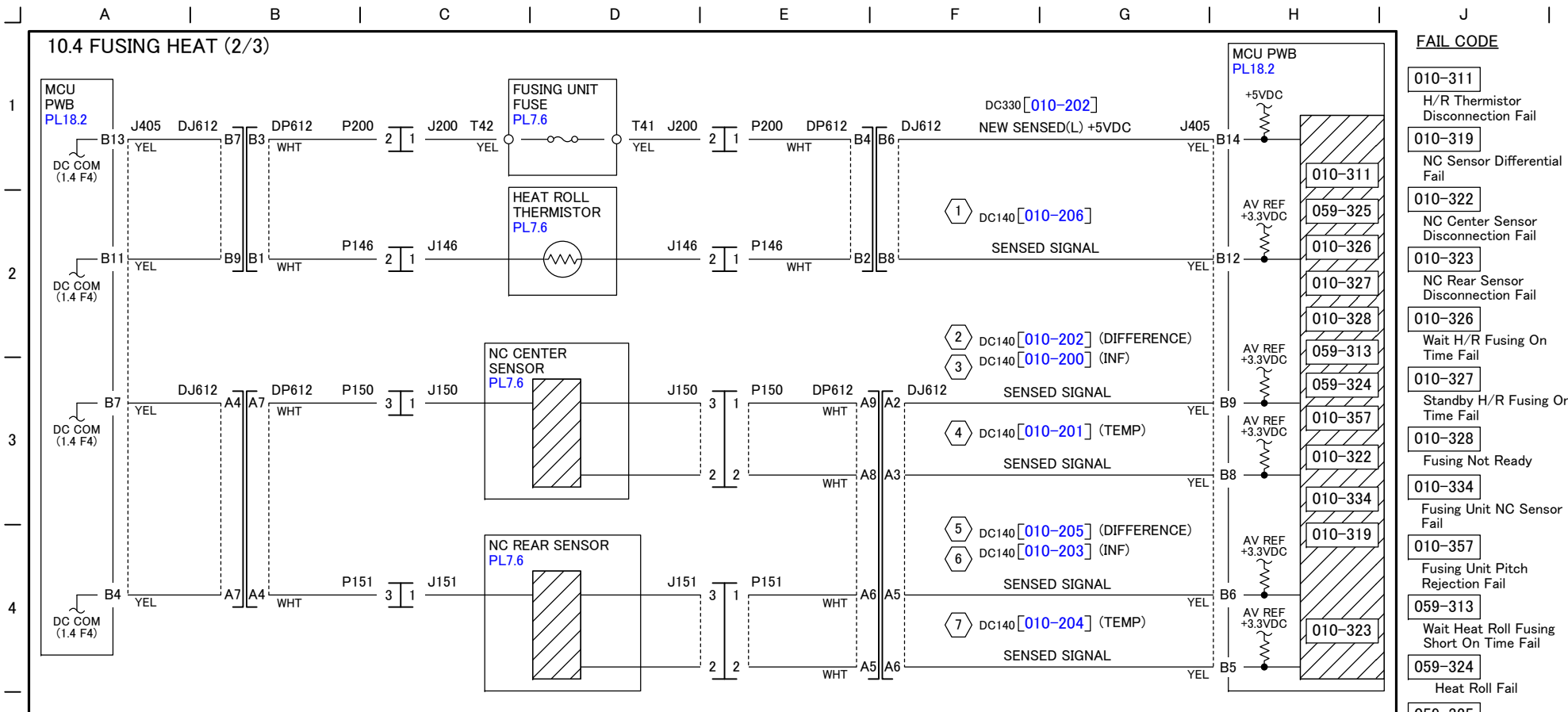


j0pr731002



NOTE:

- 1 Also during the running of this diag., the following Fails are detected.
- 010-311 •010-320 •010-322
 - 010-323 •010-324 •010-326
 - 010-327 •010-328 •010-334
 - 059-313



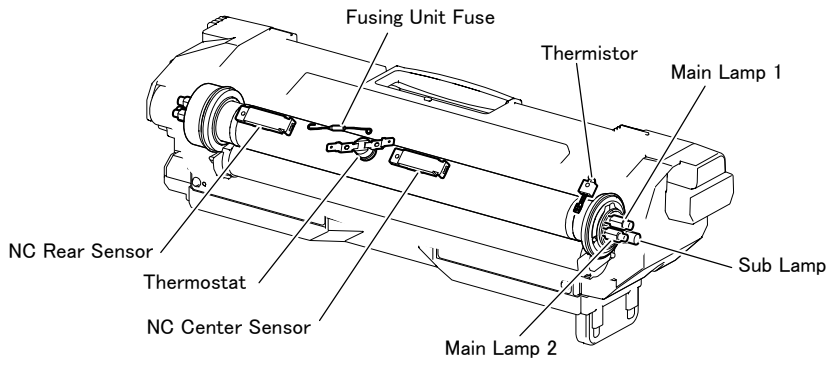
FAIL CODE

010-311	H/R Thermistor Disconnection Fail
010-319	NC Sensor Differential Fail
010-322	NC Center Sensor Disconnection Fail
010-323	NC Rear Sensor Disconnection Fail
010-326	Wait H/R Fusing On Time Fail
010-327	Standby H/R Fusing On Time Fail
010-328	Fusing Not Ready
059-313	Fusing Unit NC Sensor Fail
010-327	Fusing Unit Pitch Rejection Fail
010-357	Wait Heat Roll Fusing Short On Time Fail
010-322	Heat Roll Fail
010-334	H/R Over Temp Fail
010-319	
010-357	
010-322	
059-313	
010-323	
059-324	
010-323	

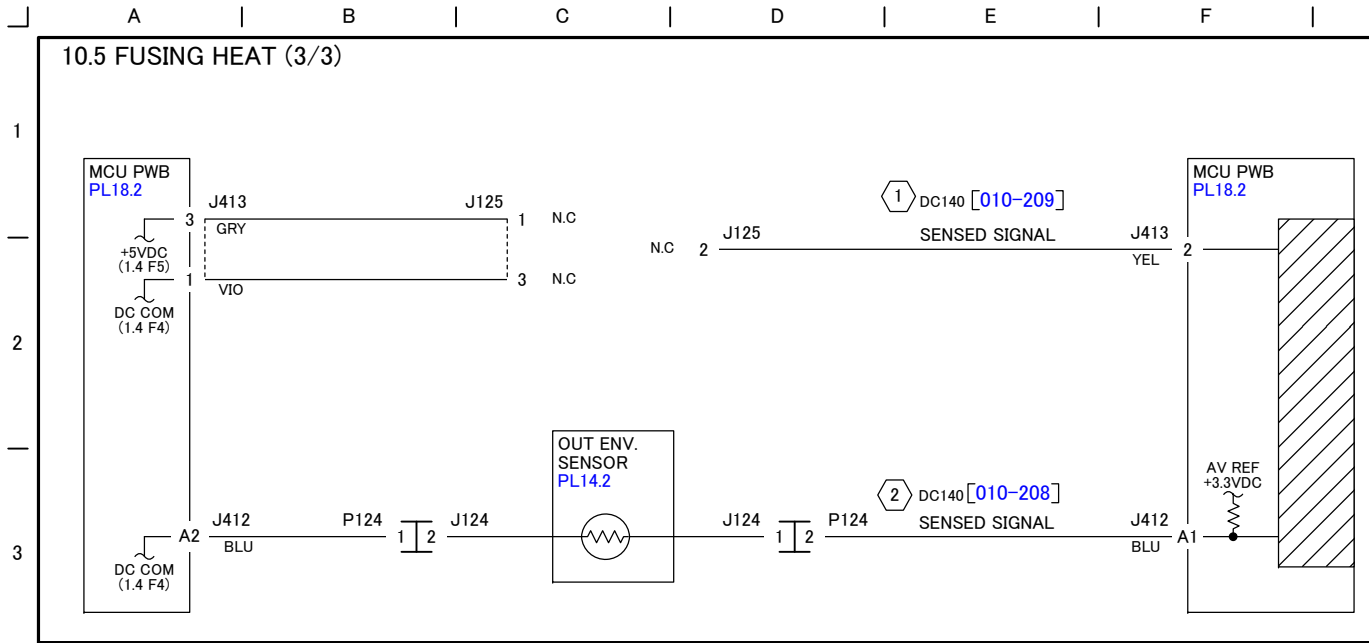
NOTE:

- | | |
|--|--|
| <p>① DC140[010-206] Value:
Normal output range: 350-900
Below 350: High Temp. Error detected.
Above 900: Open Wire detected.</p> | <p>④ DC140[010-201] Value:
Normal output range: 276-1020
Below 276: High Temp. Error detected.
Above 1020: Open Wire detected.</p> |
| <p>② DC140[010-202] Value:
Normal output range: 0-992
Above 992: High Temp. Error detected.</p> | <p>⑤ DC140[010-205] Value:
Normal output range: 0-992
Above 992: High Temp. Error detected.</p> |
| <p>③ DC140[010-200] Value:
Normal output range: 242-1020
Below 242: High Temp. Error detected.
Above 1020: Open Wire detected.</p> | <p>⑥ DC140[010-203] Value:
Normal output range: 242-1020
Below 242: High Temp. Error detected.
Above 1020: Open Wire detected.</p> |
| <p>⑦ DC140[010-204] Value:
Normal output range: 276-1020
Below 276: High Temp. Error detected.
Above 1020: Open Wire detected.</p> | |

ELECTRICAL COMPONENTS



j0pr731004

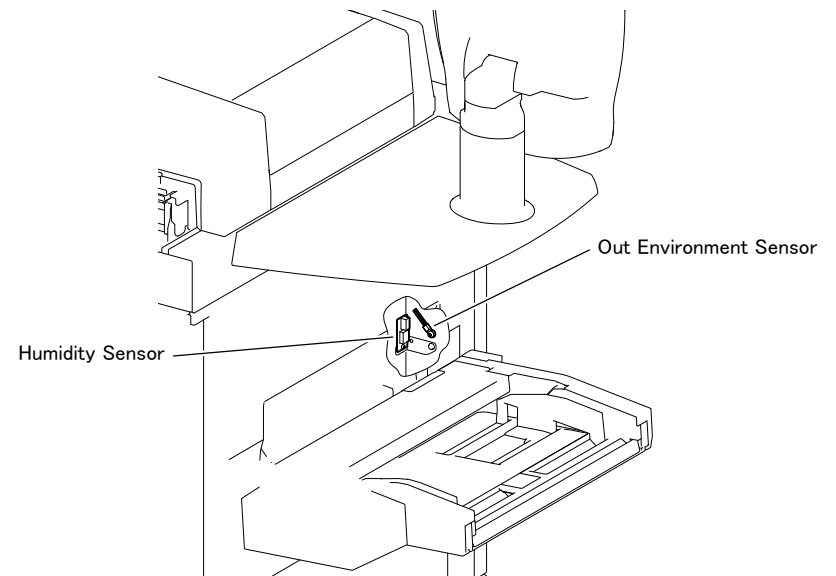


NOTE:

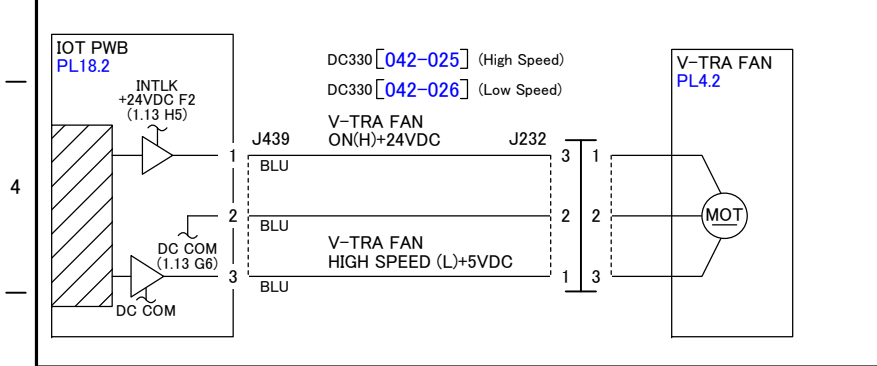
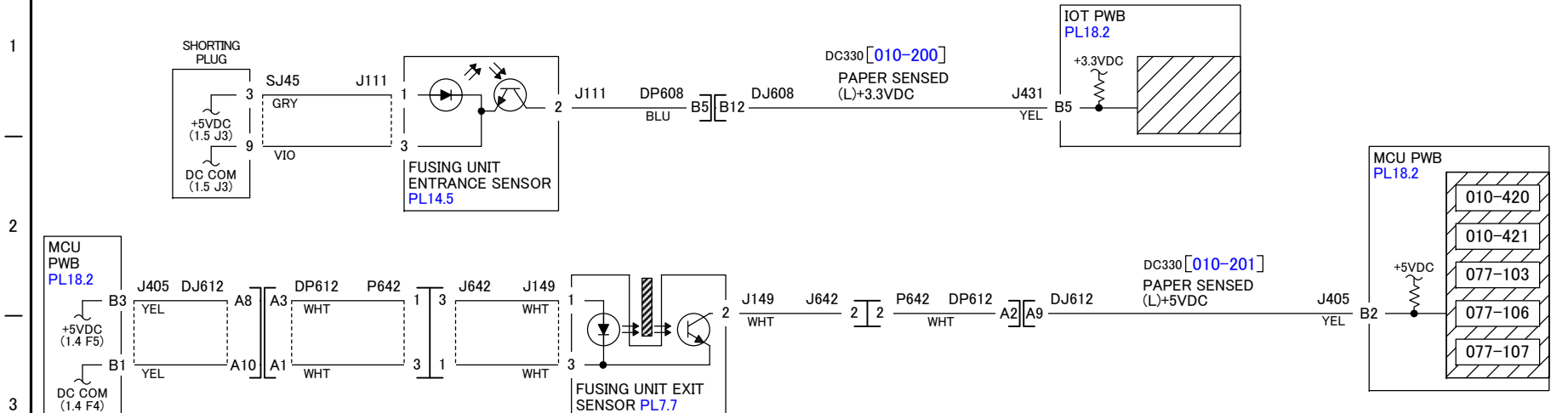
① DC140[010-209] Value:
Normal output range: 0-100
Abnormal: other than the above

② DC140[010-208] indicates AD value from Outside Air Temperature Sensor.
If NVM[751-163] (Temp. Sensor Fail Counter) counts up, it indicates the sensor output is abnormal.

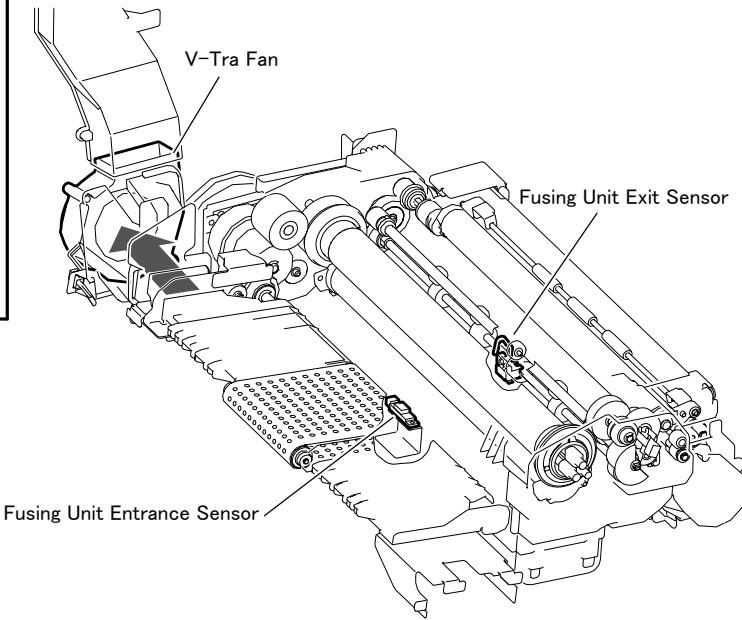
ELECTRICAL COMPONENTS



10.6 FUSING

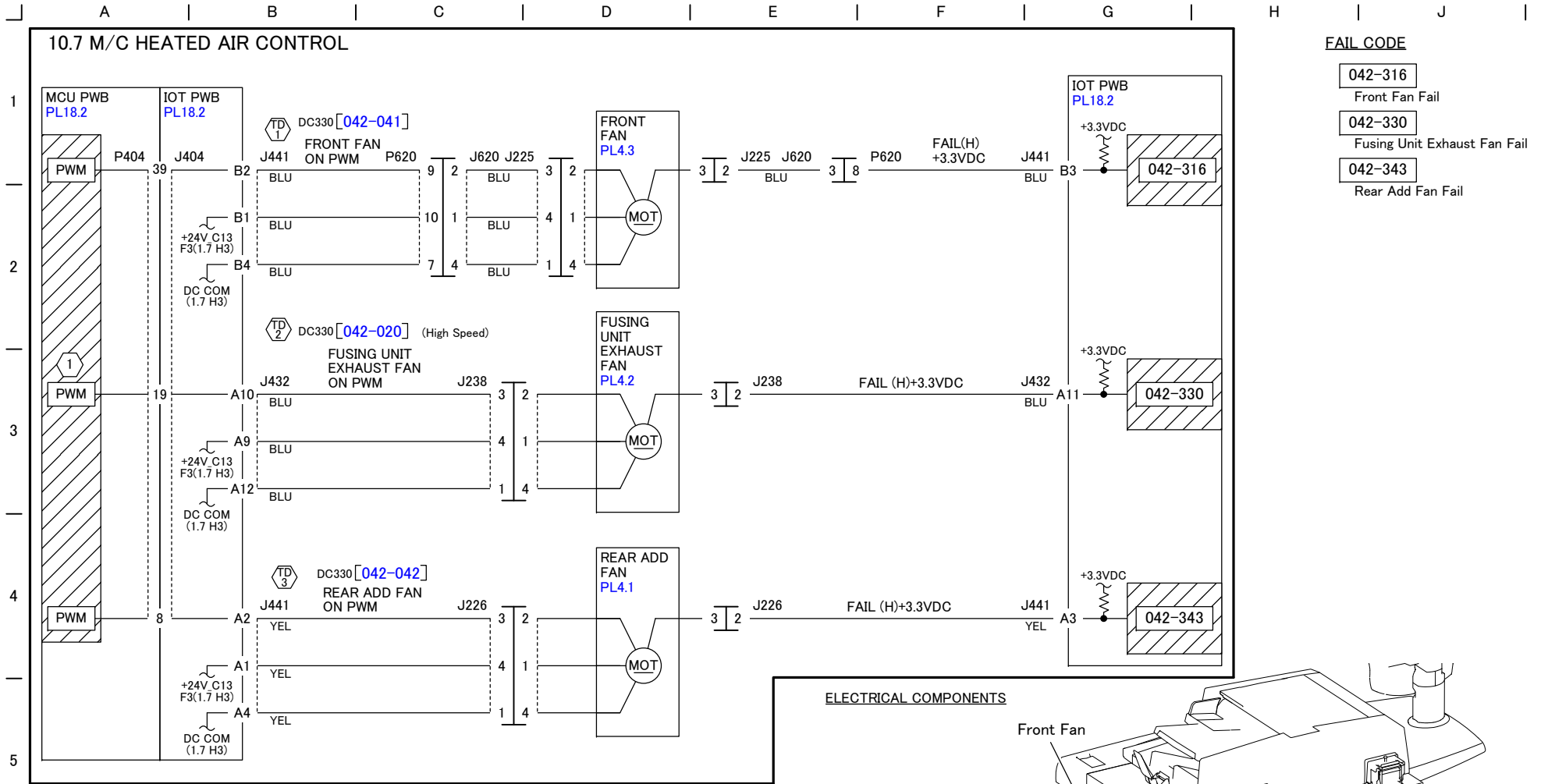


ELECTRICAL COMPONENTS



FAIL CODE

- 010-420 Fusing Unit Near Life
- 010-421 Fusing Unit Life Over
- 077-103 Fusing Unit Exit Sensor Off Jam (Straight)
- 077-106 Fusing Unit Exit Sensor On Jam
- 077-107 Fusing Unit Exit Sensor Off Jam (Invert)

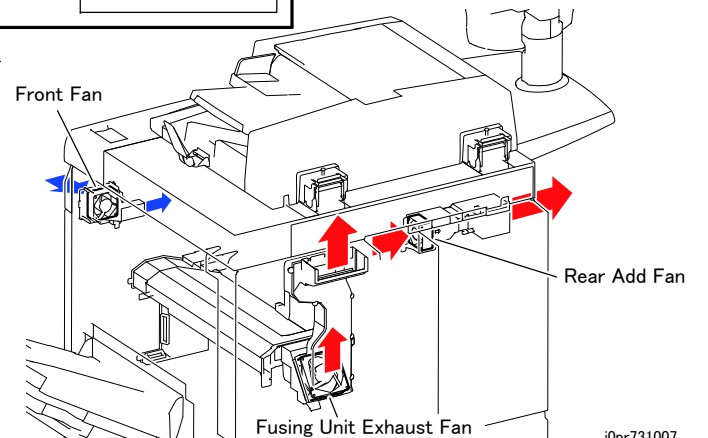


FAIL CODE

- 042-316**
Front Fan Fail
- 042-330**
Fusing Unit Exhaust Fan Fail
- 042-343**
Rear Add Fan Fail

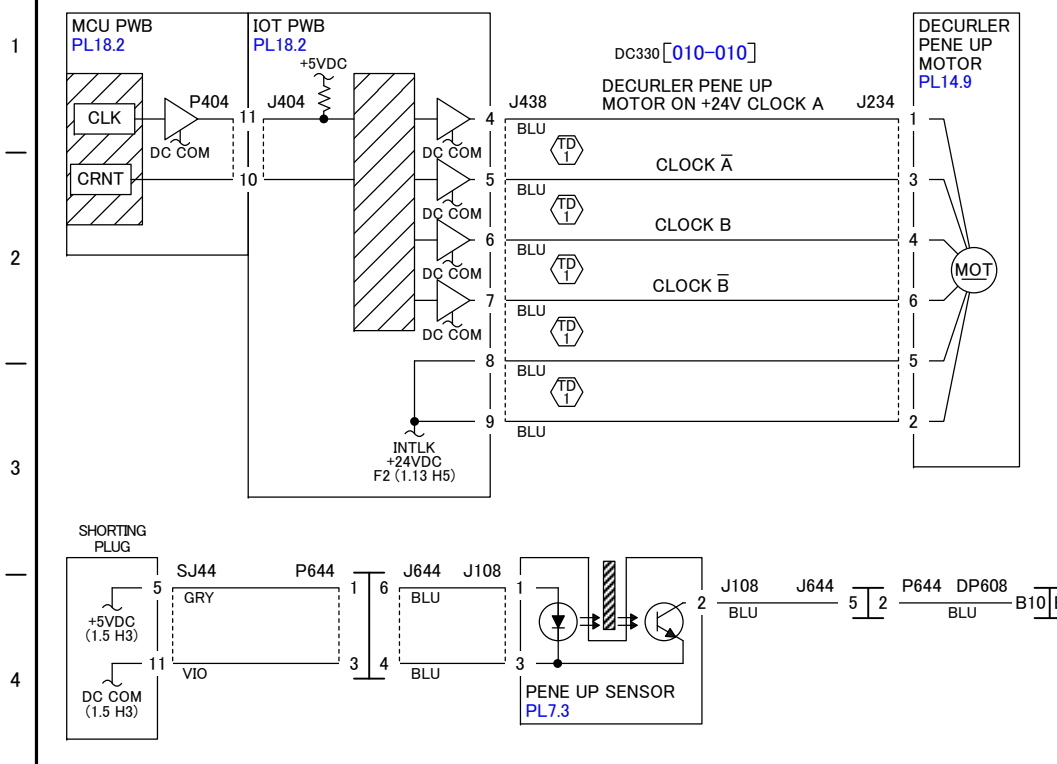
- TD 1** Test Point: IOT PWB J441-B2 (+) to GND (-)
When diag is turned ON, approx. +20VDC changes to 0VDC.
- TD 2** Test Point: IOT PWB J432-A10 (+) to GND (-)
When diag (High Speed) is turned ON, approx. +1.49VDC changes to 0VDC.
- TD 3** Test Point: IOT PWB J441-A2 (+) to GND (-)
When diag is turned ON, approx. +20VDC changes to 0VDC.

ELECTRICAL COMPONENTS

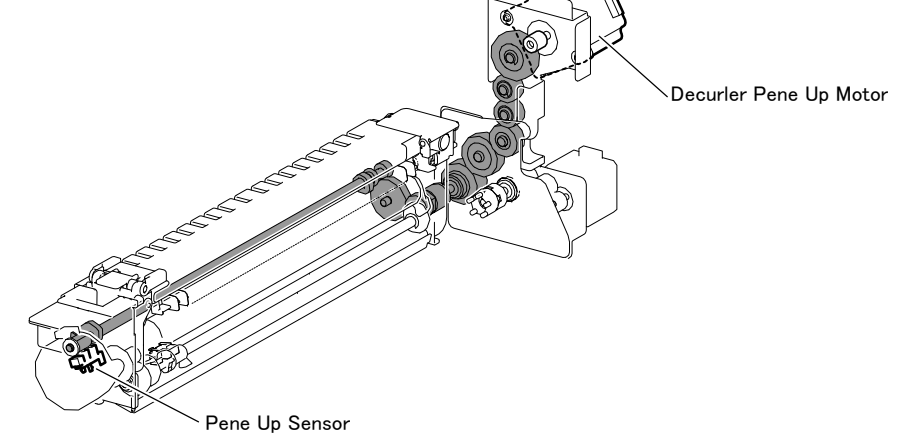


A | B | C | D | E | F | G | H | J

10.8 DECURLER (1/2)



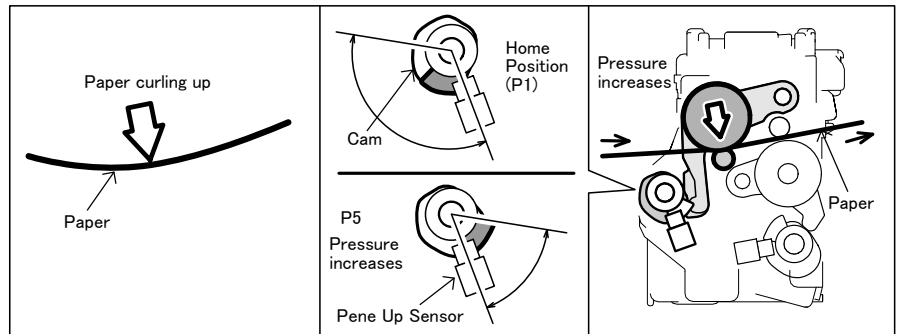
ELECTRICAL COMPONENTS



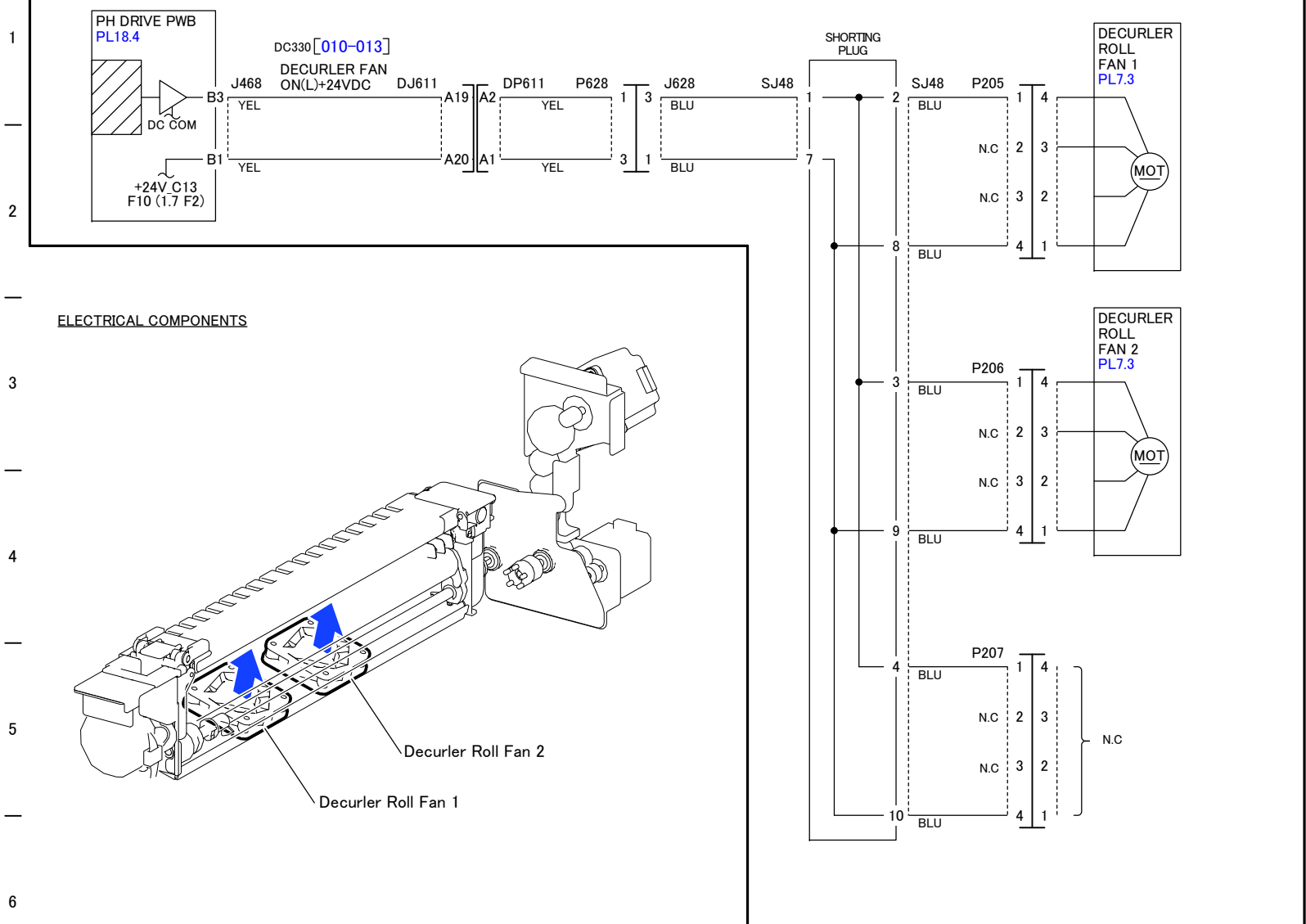
NOTE:

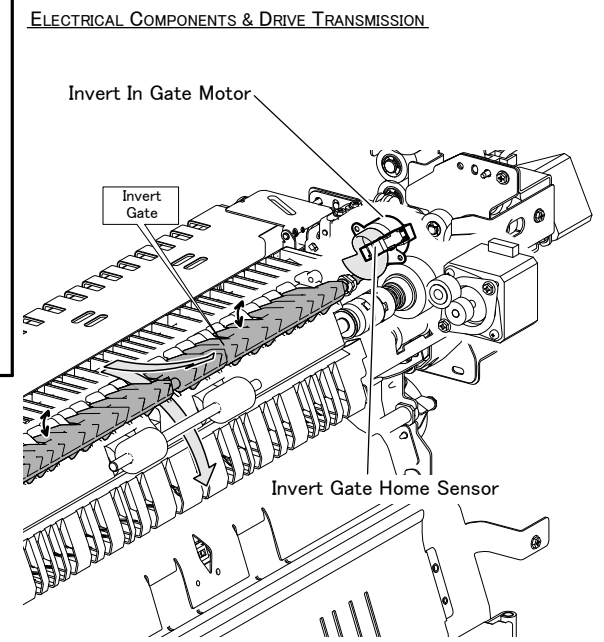
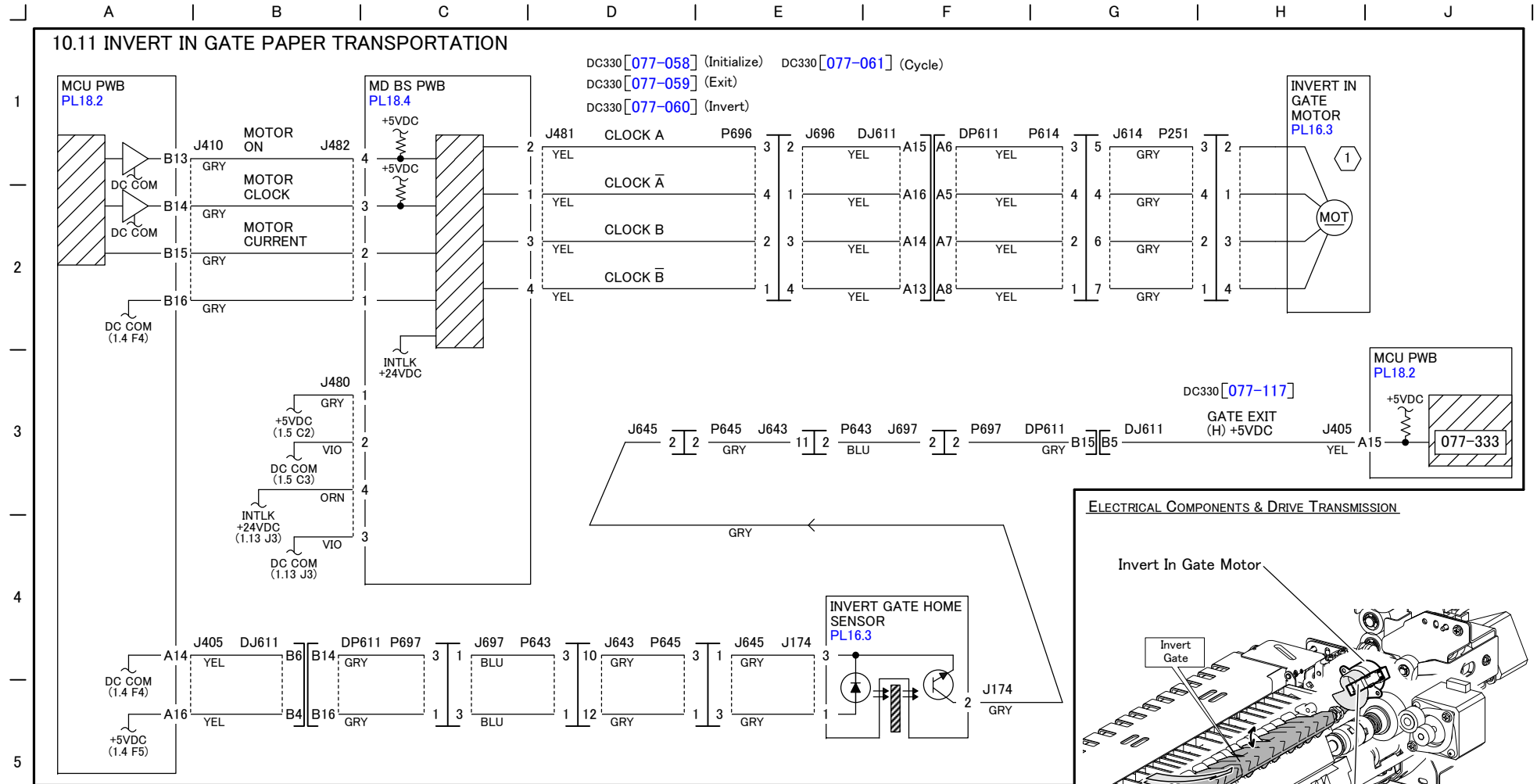
- ① Penetration pressure increases from Home Position (P1) to P2 to P3 to P4 to P5 in the right rotation direction
- Ⓣ The Motor winding resistance is approx. 1.7Ω at the following measurement points:
J438-8 to -7/6
J434-9 to -4/5

FAIL CODE
010-342
Decurler Upper Fail



10.10 DECURLER FAN



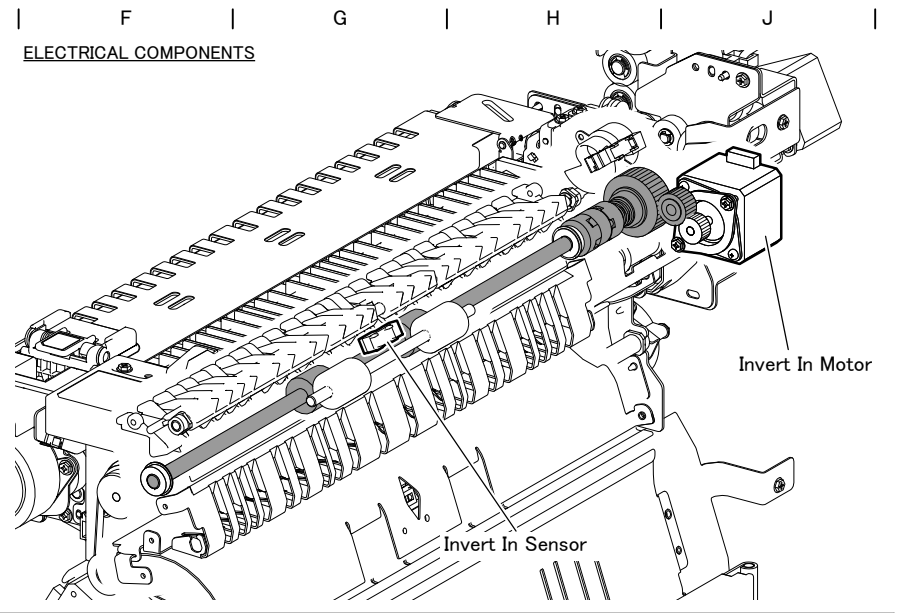
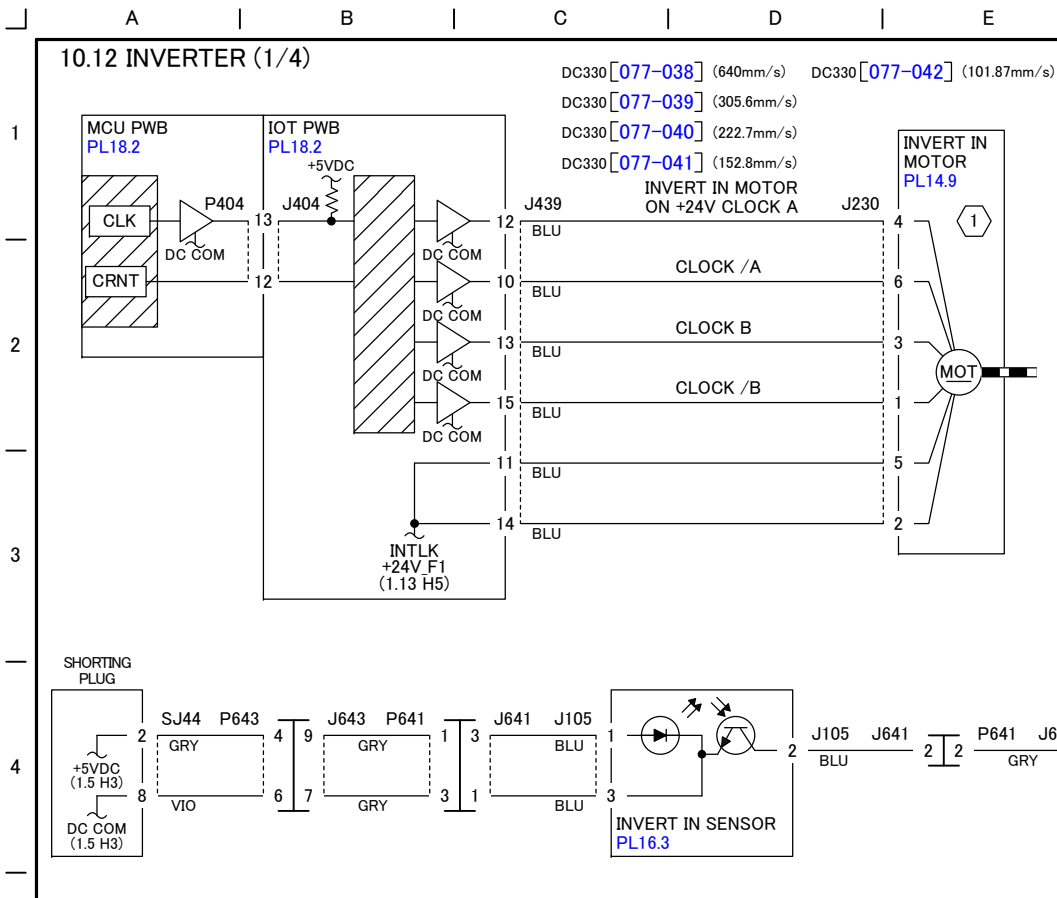


NOTE:

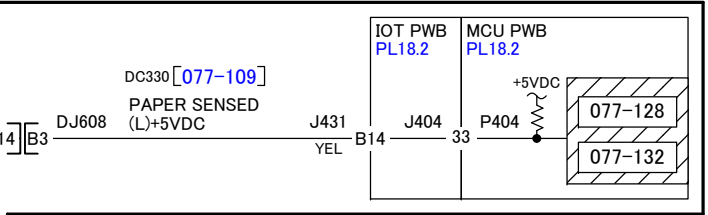
1 The motor winding resistance is $16\ \Omega \pm 10\%$.

FAIL CODE

077-333 Invert In Gate Fail

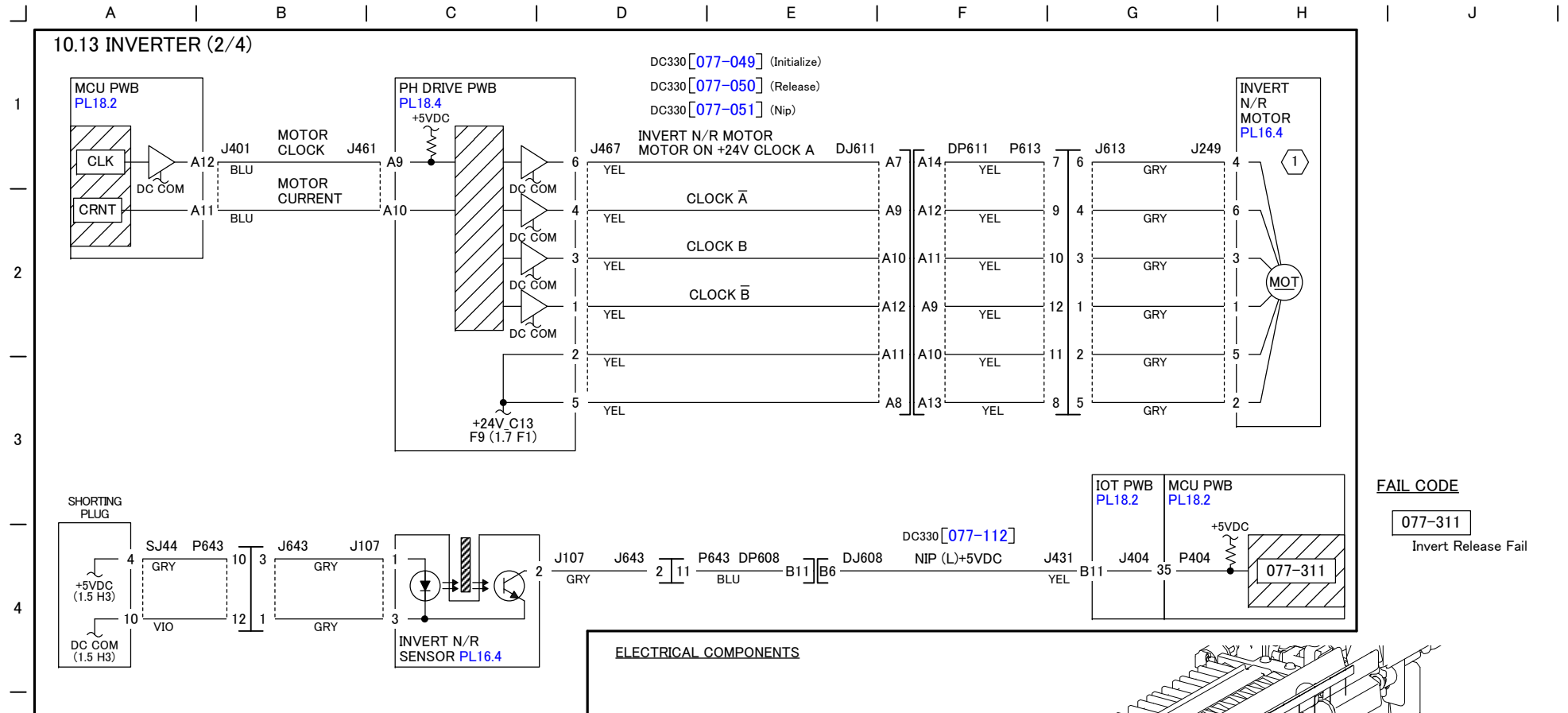


NOTE: ① The motor winding resistance is $3.2\Omega \pm 0.32\Omega$.

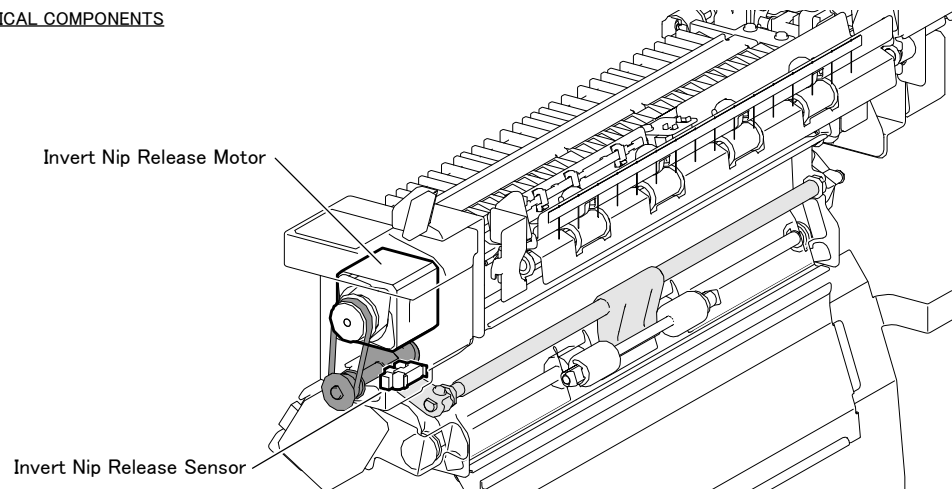


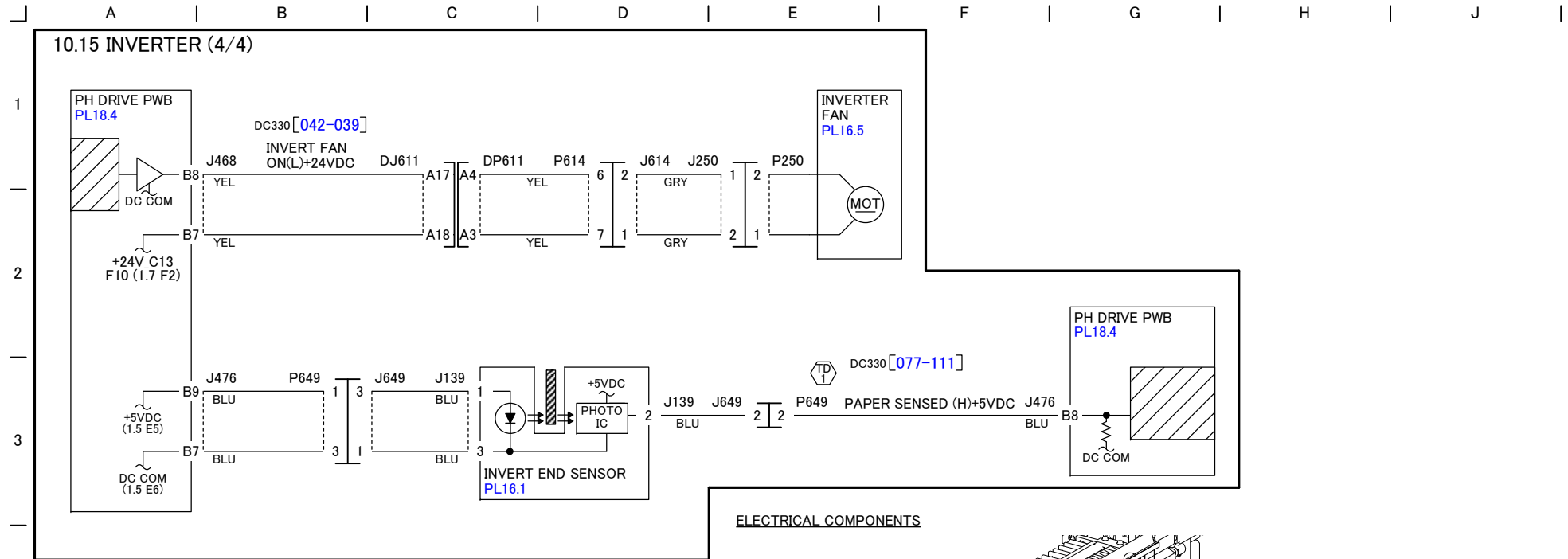
FAIL CODE

077-128	Invert In Sensor On Jam
077-132	Invert In Sensor Off Jam



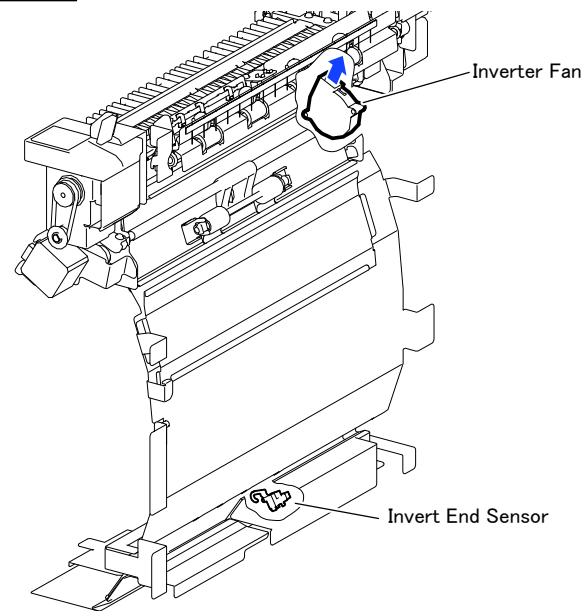
NOTE:
1 The motor winding resistance is $4.3\ \Omega \pm 0.43\ \Omega$.





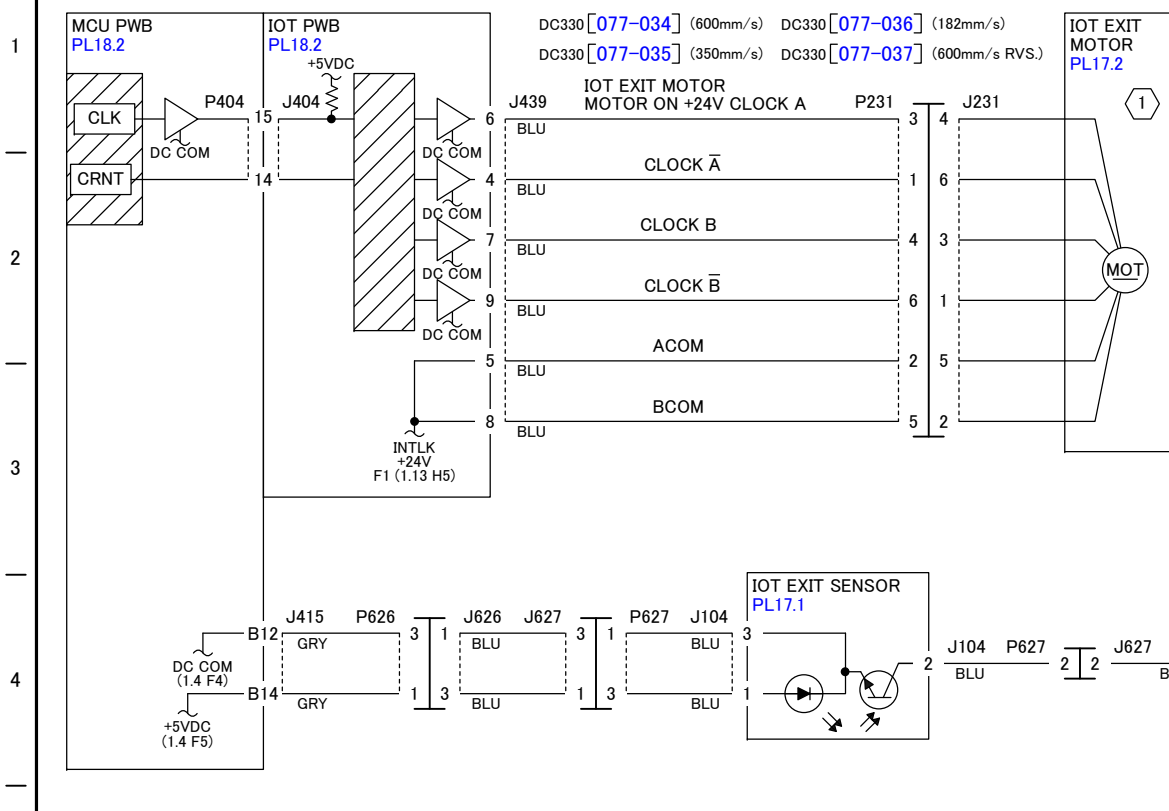
ELECTRICAL COMPONENTS

TD Test Point: J649-2 (+) to GND (-)
When paper detected, approx. +3.7VDC

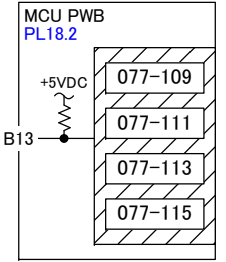
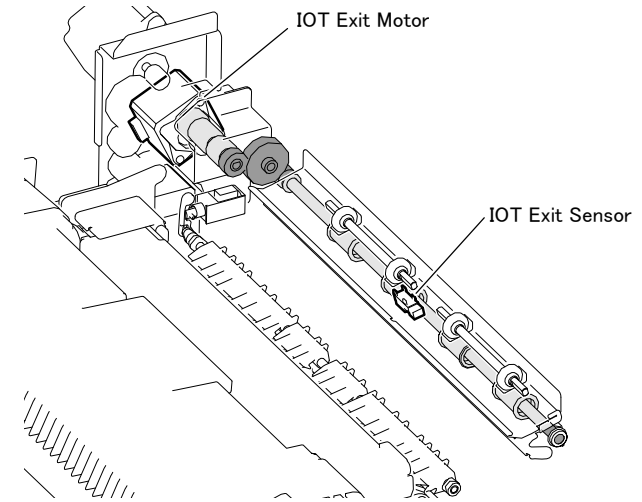


A | B | C | D | E | F | G | H | J

10.16 FUSED PAPER EXIT



ELECTRICAL COMPONENTS



NOTE: 1 The motor winding resistance is $3.6 \Omega \pm 0.36 \Omega$.

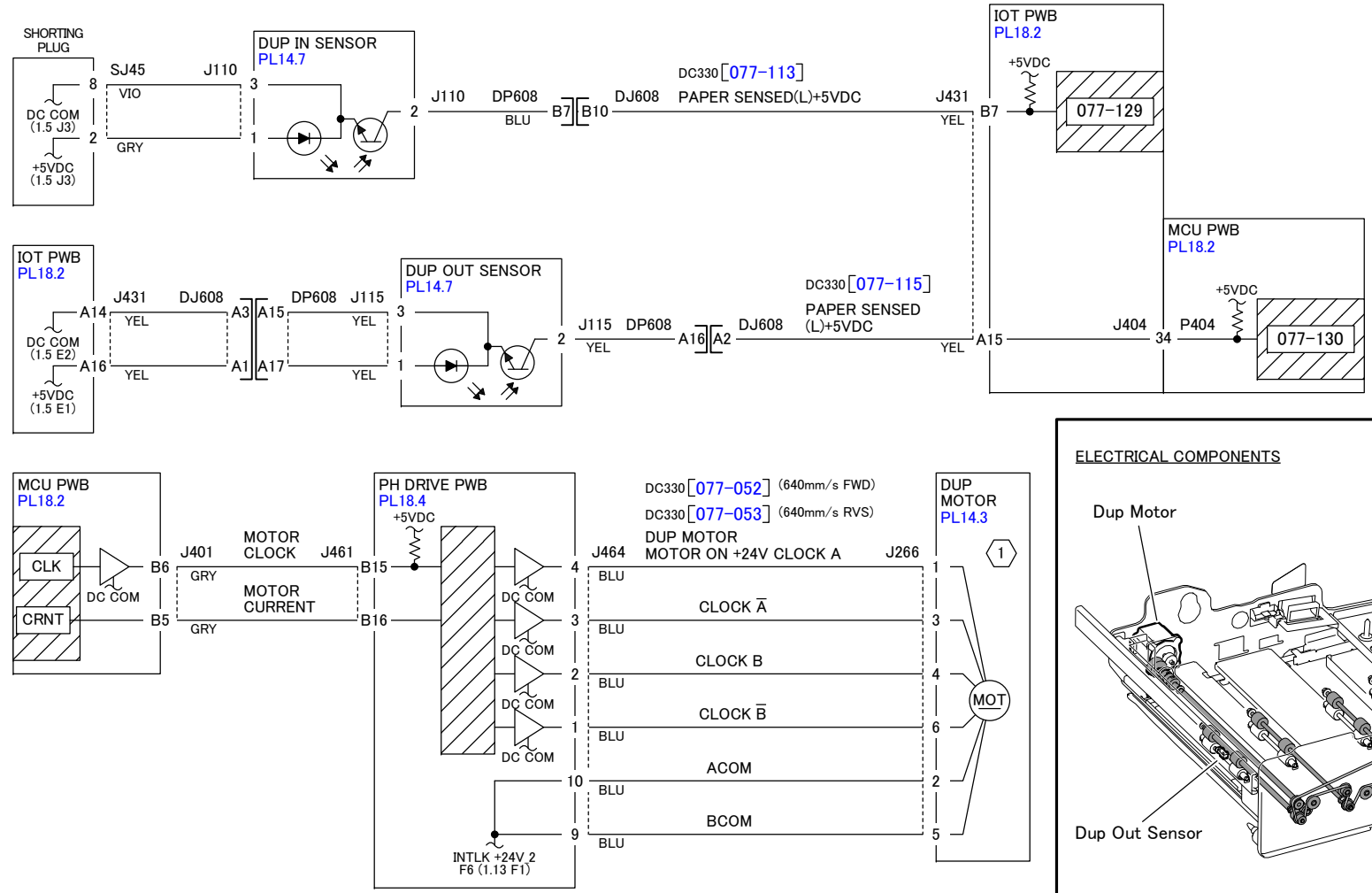
FAIL CODE

- 077-109
IOT Exit Sensor On Jam (Straight)
- 077-111
IOT Exit Sensor On Jam (Invert)
- 077-113
IOT Exit Sensor Off Jam (Straight)
- 077-115
IOT Exit Sensor Off Jam (Invert)

j0pr731016

10.18 DUPLEX PAPER TRANSPORTATION

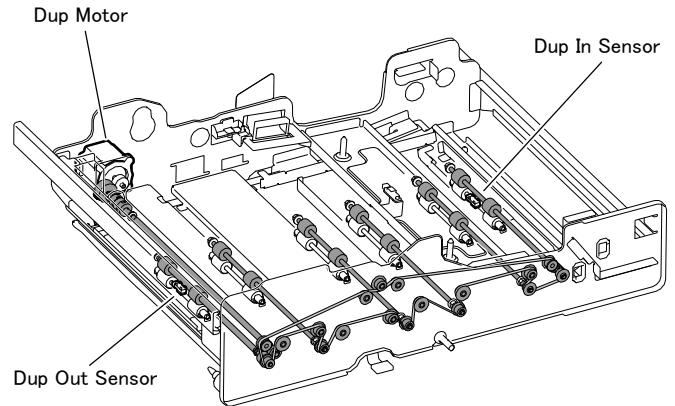
1
2
3
4
5
6



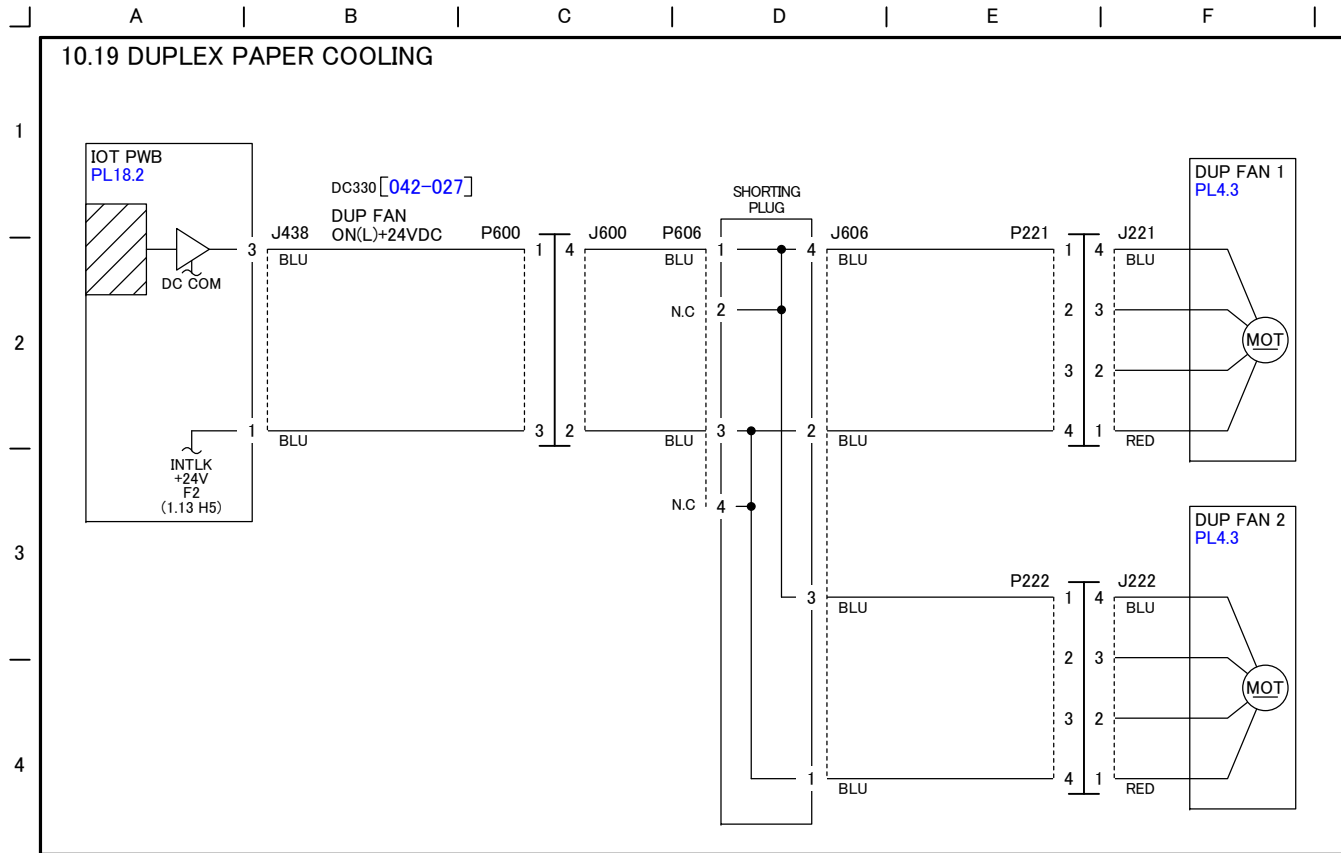
FAIL CODE

- 077-129 Dup In Sensor On Jam
- 077-130 Dup Out Sensor On Jam

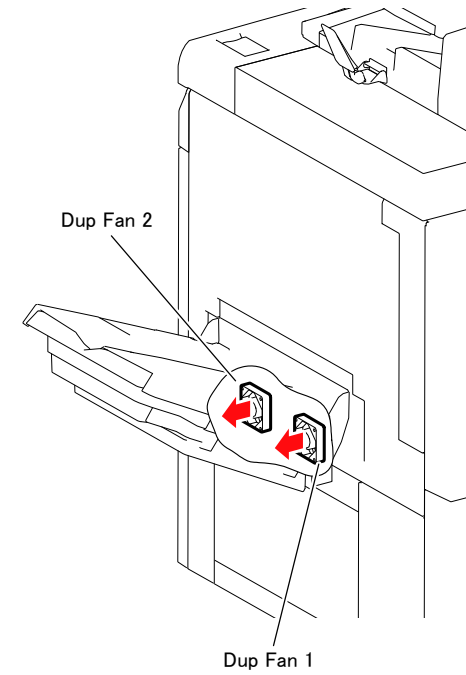
ELECTRICAL COMPONENTS



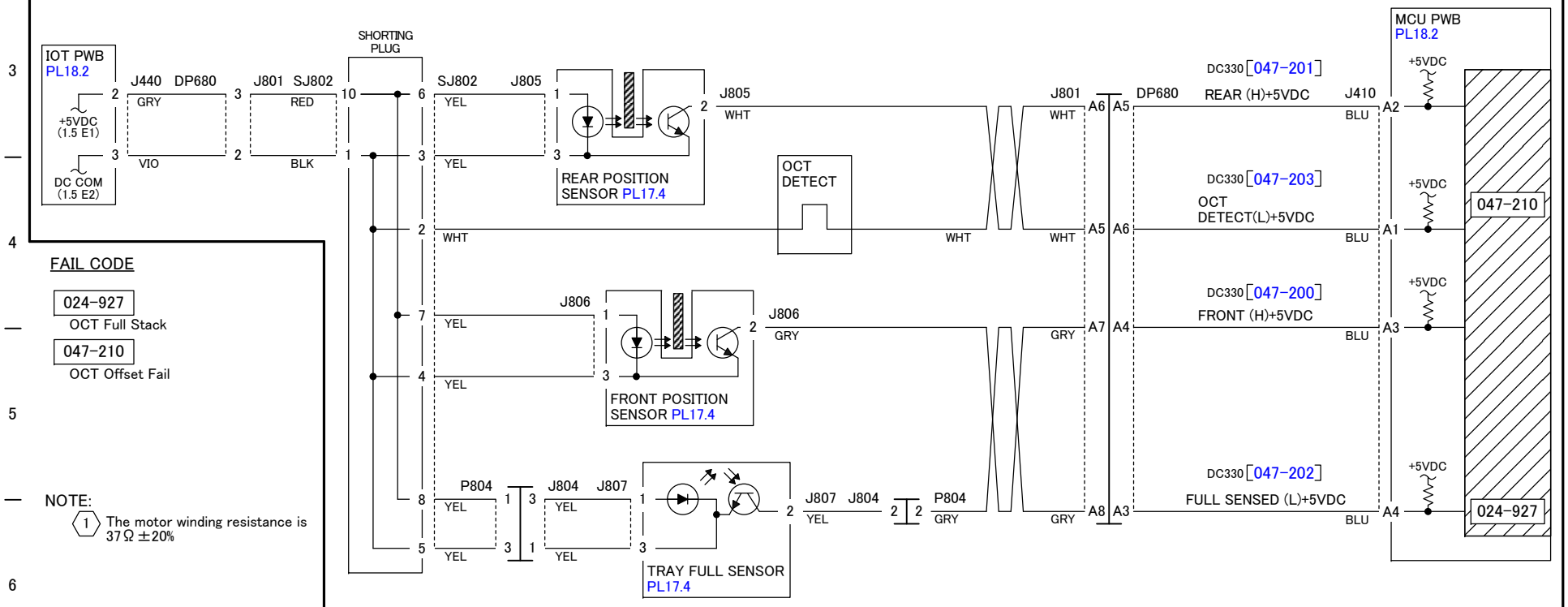
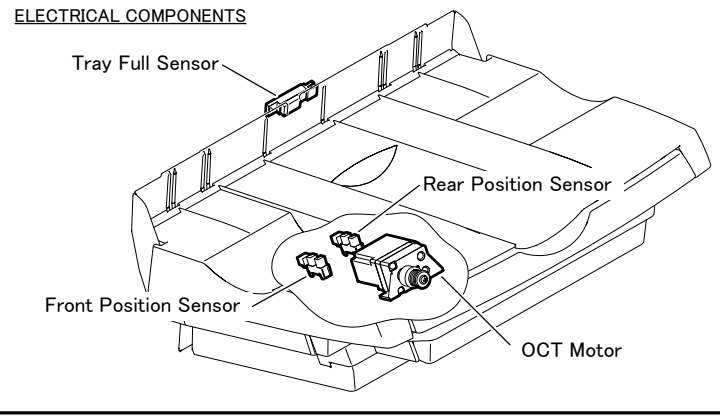
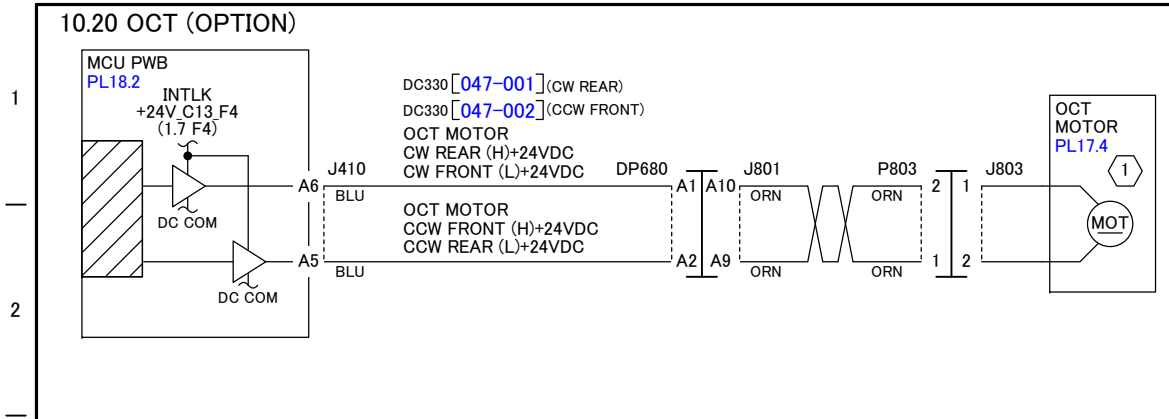
NOTE: 1 The motor winding resistance is 1.15Ω ±0.17Ω



ELECTRICAL COMPONENTS



A | B | C | D | E | F | G | H | J |



FAIL CODE

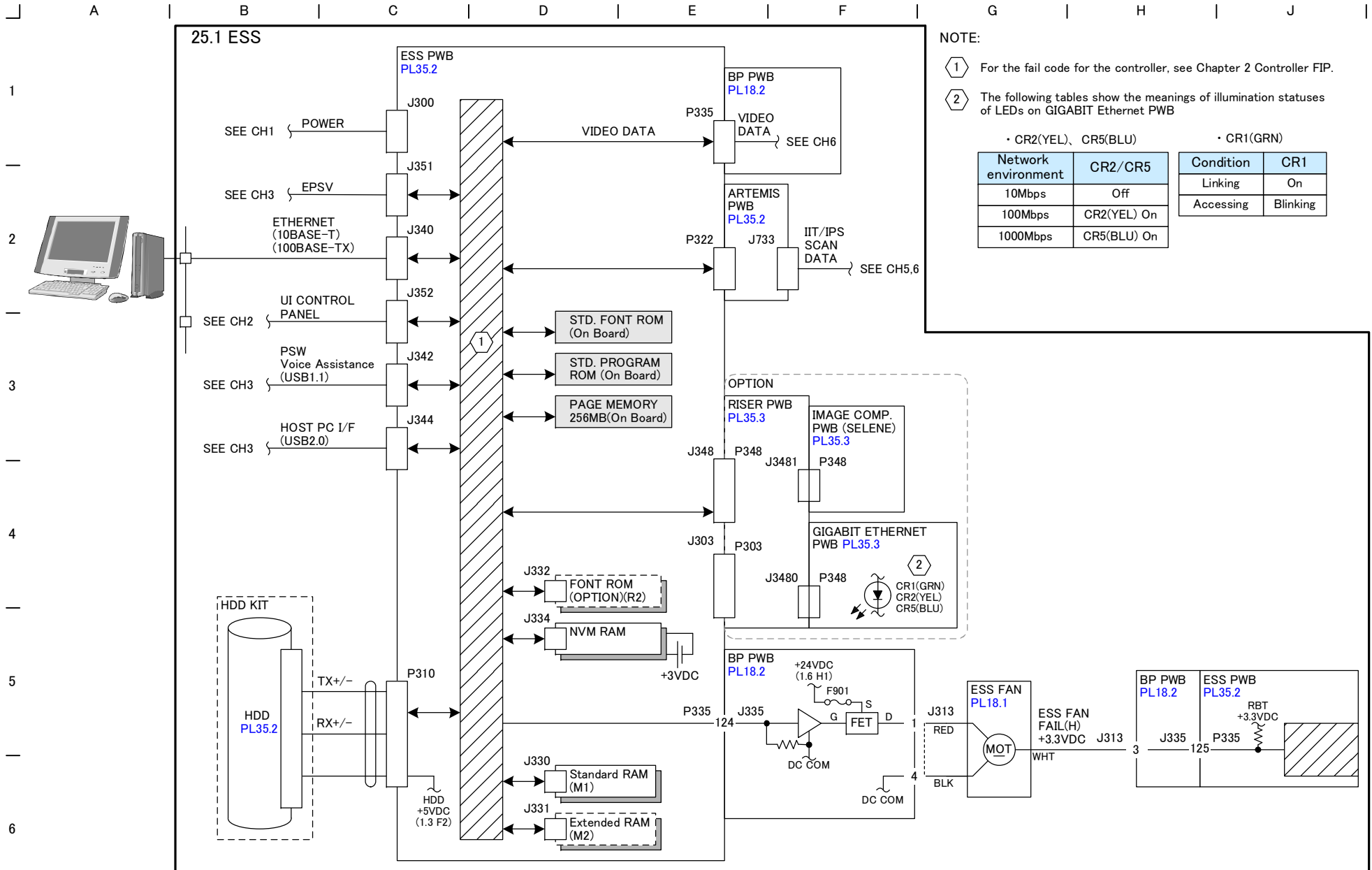
024-927
OCT Full Stack

047-210
OCT Offset Fail

NOTE:

1 The motor winding resistance is $37\Omega \pm 20\%$

j0pr731020



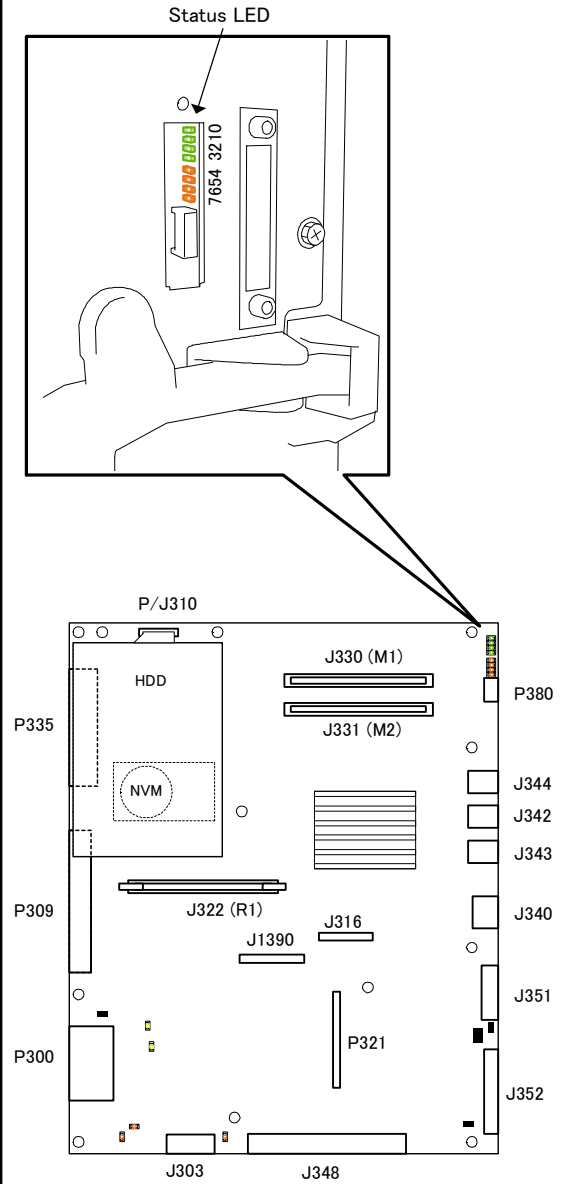
NOTE:
 ① For the fail code for the controller, see Chapter 2 Controller FIP.
 ② The following tables show the meanings of illumination statuses of LEDs on GIGABIT Ethernet PWB

Network environment	CR2/CR5	CR1 (GRN)	
		Condition	CR1
10Mbps	Off	Linking	On
100Mbps	CR2(YEL) On	Accessing	Blinking
1000Mbps	CR5(BLU) On		

25.2 ESS STATUS LED (1/2)

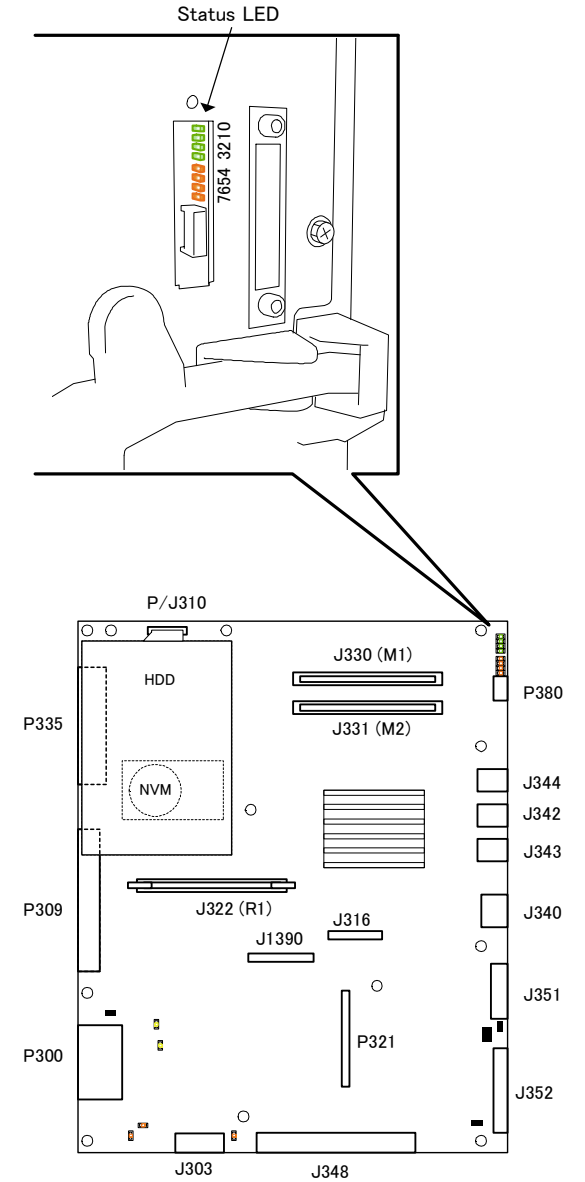
Illumination Status and Description of On Board Debug LEDs

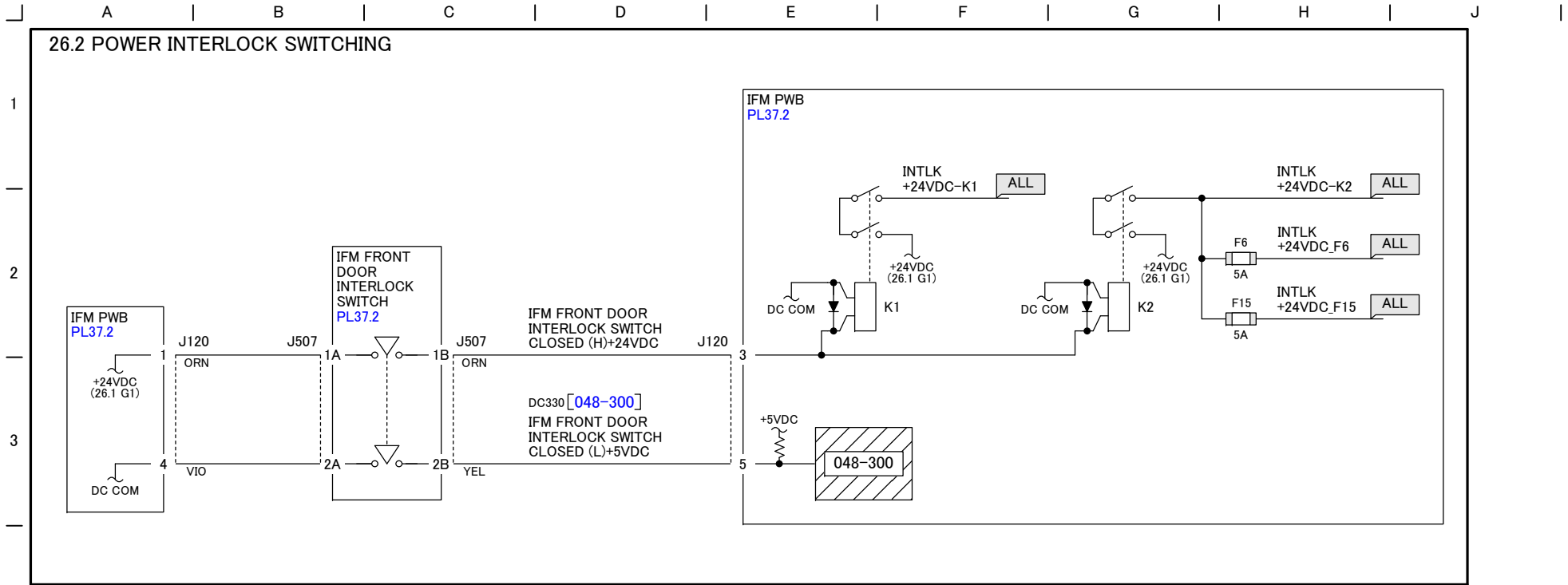
Number	LED Pattern							Situation	Problem	Normal Diagnosis	LongBoot Diagnosis	Related Fail Code
	LED7	LED6	LED5	LED4	LED3	LED2	LED1					
1	On	On	On	On	Off	Off	Off	Initial status at power-on	All Off. Failure in power supply to the ESS PWB	○	○	-
2	Off	Off	Off	Off	Off	Off	On	Interrupt vector setting completed	On: ESS failure	○	○	-
3	Off	Off	Off	Off	Off	Off	On	ROM controller initialization completed	On: ESS failure	○	○	-
4	Off	Off	Off	Off	Off	On	On	Zero-clear of D-Cache	On: ESS failure	○	○	-
5	Off	Off	Off	Off	Off	On	On	DDR output buffer enabled, Soft Wait processing	On: ESS failure	○	○	-
6	Off	Off	Off	Off	Off	On	Off	Normal initialization of DDR Controller started	On: ESS failure	○	○	-
7	On	Off	Off	Off	Off	Off	Off	Recovery process from CPU Off started	On: ESS failure	○	○	-
8	On	On	On	Off	Off	Off	Off	DDR initialization failed	Blinking: RAM failure	○	○	-
9	On	On	Off	Off	Off	Off	Off	Error in checking evaluated data	Blinking: RAM failure	○	○	-
10	Off	Off	Off	Off	Off	On	On	DDR initialization completed	On: RAM failure	○	○	-
11	Off	Off	Off	Off	Off	On	Off	I-Cache/D-Cache disabled	On: ESS failure	○	○	-
12	Off	Off	Off	Off	Off	On	On	CPU internal register settings	On: ESS failure	○	○	-
13	On	Off	Off	Off	Off	Off	Off	DDR memory write check	On: RAM failure	○	○	-
14	On	On	On	Off	Off	Off	Off	DDR memory read/write failed	Blinking: RAM failure	○	○	-
15	Off	Off	Off	Off	Off	On	Off	Read check and zero-clear of DDR memory completed	On: RAM failure	○	○	-
16	Off	Off	Off	Off	Off	On	On	Copying a program to memory (Text)	On: ROM/RAM failure	○	○	-
17	Off	Off	Off	Off	Off	On	On	Copying a program to memory (Base)	On: ROM/RAM failure	○	○	-
18	Off	Off	Off	Off	Off	On	On	FPU register test completed	On: ESS failure	○	○	-
19	Off	Off	On	Off	Off	Off	Off	Preparation for jumping to C code completed	On: ESS failure	○	○	-
20	Off	On	Off	Off	Off	Off	Off	Diagnosis of Standard RAM started	On: Standard RAM failure	○	○	116-315
21	Off	On	Off	Off	Off	Off	Off	Diagnosis of Extended RAM started	On : Extended RAM failure	-	○	116-316
22	Off	Off	Off	Off	Off	On	Off	Diagnosis of Standard ROM started	On: Standard ROM failure	○	○	116-317
23	Off	Off	Off	Off	Off	On	On	Diagnosis of NVRAM started	On: NVRAM failure	○	○	116-323
24	Off	Off	On	Off	Off	Off	Off	Transition from MiniOS to CORE (DIAG) started	On: ROM/RAM failure	○	○	116-317
25	On	On	Off	Off	Off	Off	On	Absence of Back Plane detected	On: Back Plane connection failure	○	○	016-327
26	On	On	Off	Off	Off	Off	On	Disconnection of UI cable detected	On: UI cable connection failure	○	○	016-326
27	On	On	Off	Off	Off	Off	On	Disconnection of MCU harness detected	On: MCU harness connection failure	○	○	016-328
28	On	On	Off	Off	Off	Off	On	Detected that an unknown device is connected as a PCI option.	On: Unsupported device detected as PCI Option	○	○	117-336
29	Off	On	Off	Off	Off	Off	Off	Diagnosis of IO ASIC started	On: ASIC failure	○	○	-
30	Off	On	Off	Off	Off	Off	On	Diagnosis of Codec ASIC started	On: ASIC failure	○	○	-
31	Off	On	Off	Off	Off	Off	On	Diagnosis of standard Font ROM started	On: ASIC failure	○	○	116-380
32	Off	On	Off	Off	Off	Off	On	Diagnosis of extended Font ROM started	On: ASIC failure	○	○	016-341
33	Off	On	Off	Off	Off	Off	On	SEEP diagnosis started	On: SEEPROM failure	-	○	016-351/ 016-350



j0pr732502

25.3 ESS STATUS LED (2/2)												
Number	Illumination Status and Description of On Board Debug LEDs											
	LED Pattern											
	LED7	LED6	LED5	LED4	LED3	LED2	LED1	Situation	Problem	Normal Diagnosis	LongBoot Diagnosis	Related Fail Code
34	On	Off	Off	Off	Off	On	On	Timer diagnosis started	On: Timer failure	○	○	016-343
35	On	Off	Off	Off	Off	On	On	Page Memory diagnosis started	On: RAM failure	-	○	016-317
36	On	Off	Off	Off	Off	On	On	IIT IF diagnosis	On: IIT/ESS failure	-	○	016-315/016-316 /016-317/016-318 /016-348
37	On	Off	Off	Off	Off	On	On	Diagnosis of RTC started	On: RTC failure	-	○	016-342
38	On	Off	Off	Off	Off	On	On	Diagnosis of USB1.0 Host started	On: ESS failure	-	○	016-371
39	On	Off	Off	Off	Off	On	On	Diagnosis of USB2.0 Host started	On: ESS failure	-	○	016-364
40	On	Off	Off	Off	Off	On	On	Diagnosis of USB2.0 Device started	On: ESS failure	-	○	016-365
41	On	Off	Off	Off	Off	On	On	HDD diagnosis started	On: HDD/ESS failure	-	○	016-366/016-367
42	On	Off	Off	Off	Off	On	On	HDD (UFS) diagnosis started	On: HDD failure	-	○	016-366~382
43	On	Off	Off	Off	Off	On	On	Diagnosis of Image Ext. PWB (TORINO) started	On: Torino/ESS failure	-	○	016-368
44	On	Off	Off	Off	Off	On	On	Diagnosis of Image Comp PWB (SELENE) started	On: Selene/ESS failure	-	○	016-369
45	On	Off	Off	Off	Off	On	On	UI Check started	On: ESS/UI failure	-	○	016-362
46	On	Off	Off	Off	Off	On	On	MAC/PHY diagnosis started	On: ESS failure	-	○	016-349
47	On	Off	Off	Off	Off	On	On	SD card (UFS) diagnosis started	On: SD Card/ESS failure	-	○	117-324/117/323/ 117/321/117-320
48	On	Off	Off	Off	Off	On	On	Diagnosis of Standard ROM started	On: Standard ROM failure	-	○	116-317/016-336
49	On	Off	Off	Off	Off	On	On	VxWORKS boot completed Recovery from power saving status	Normal	○	○	-



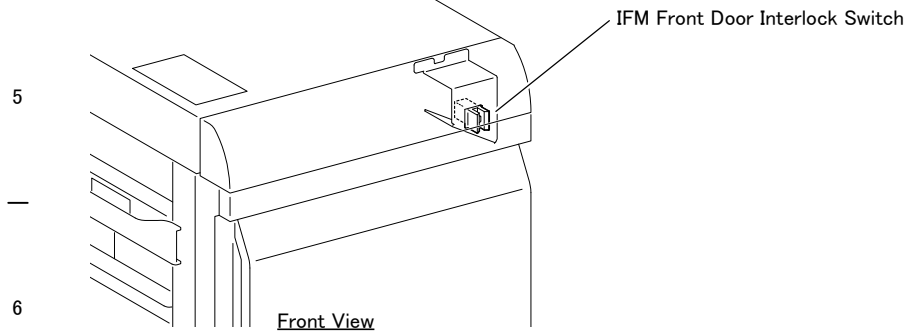


4 ELECTRICAL COMPONENTS

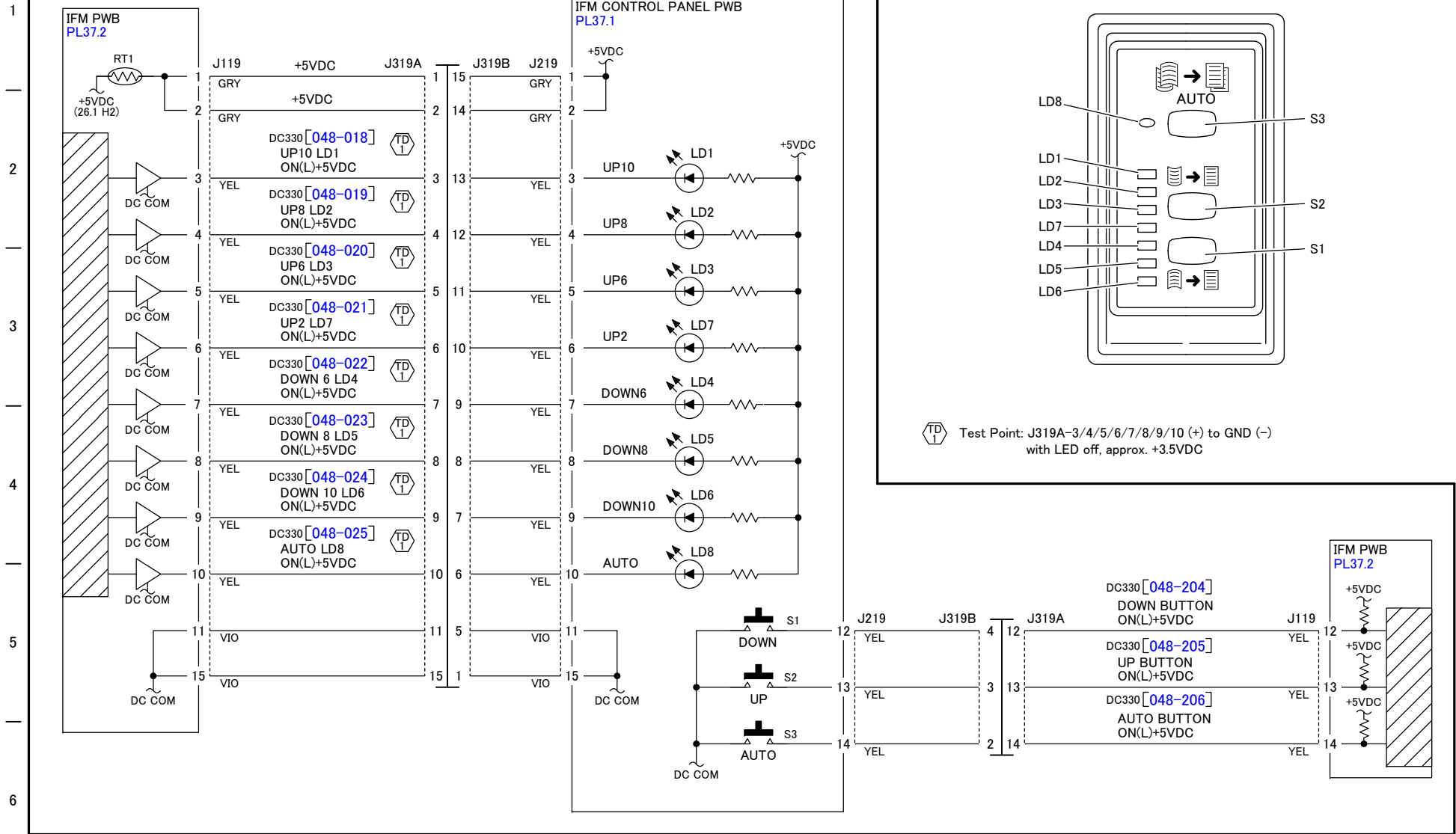
FAIL CODE

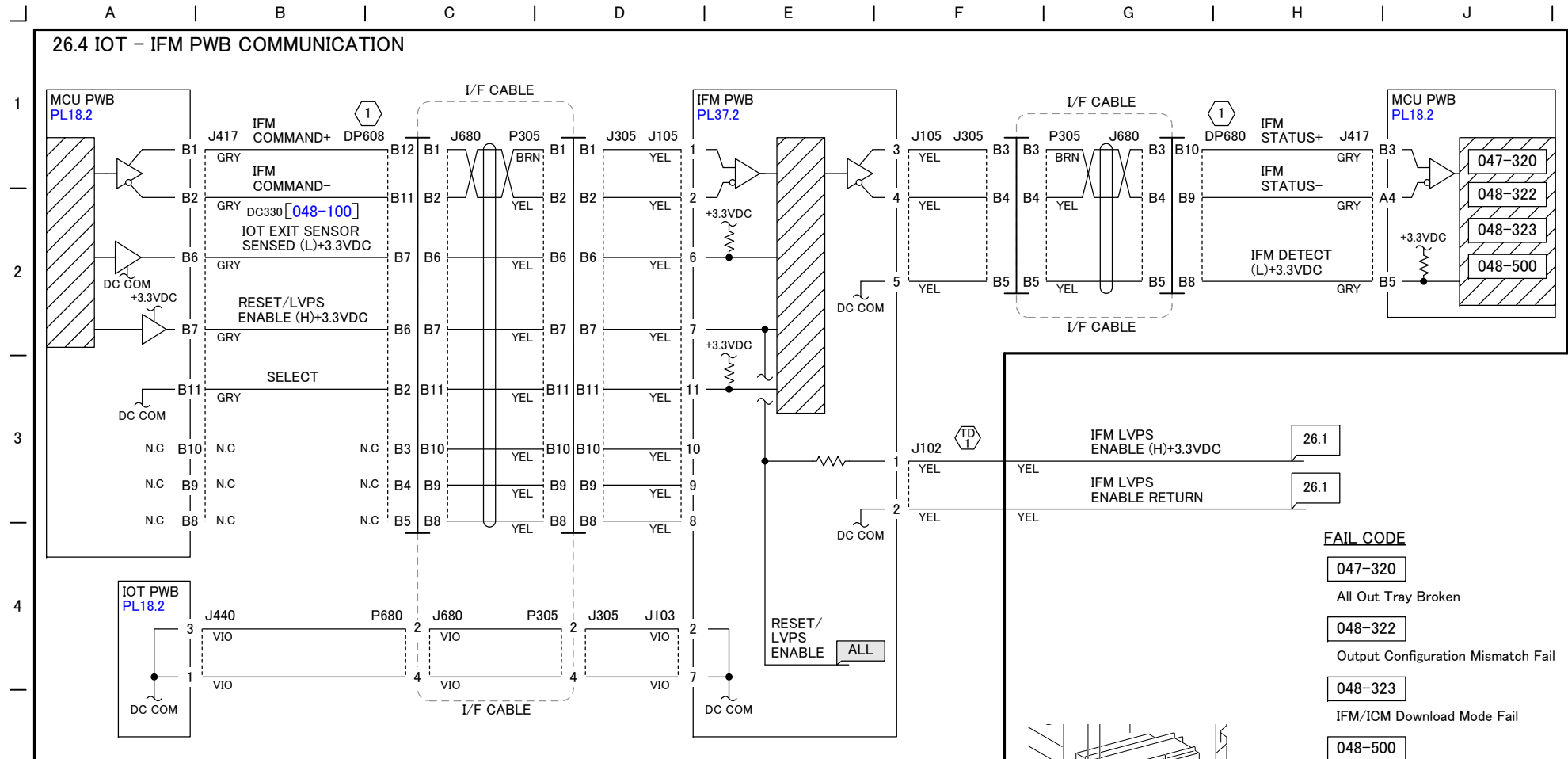
048-300

IFM/ICM Front Door Open



26.3 IFM CONTROL PANEL SW/LED





FAIL CODE

047-320

All Out Tray Broken

048-322

Output Configuration Mismatch Fail

048-323

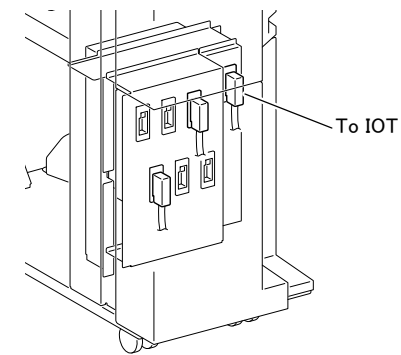
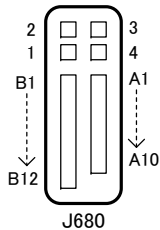
IFM/ICM Download Mode Fail

048-500

IFM/ICM ROM Write Error

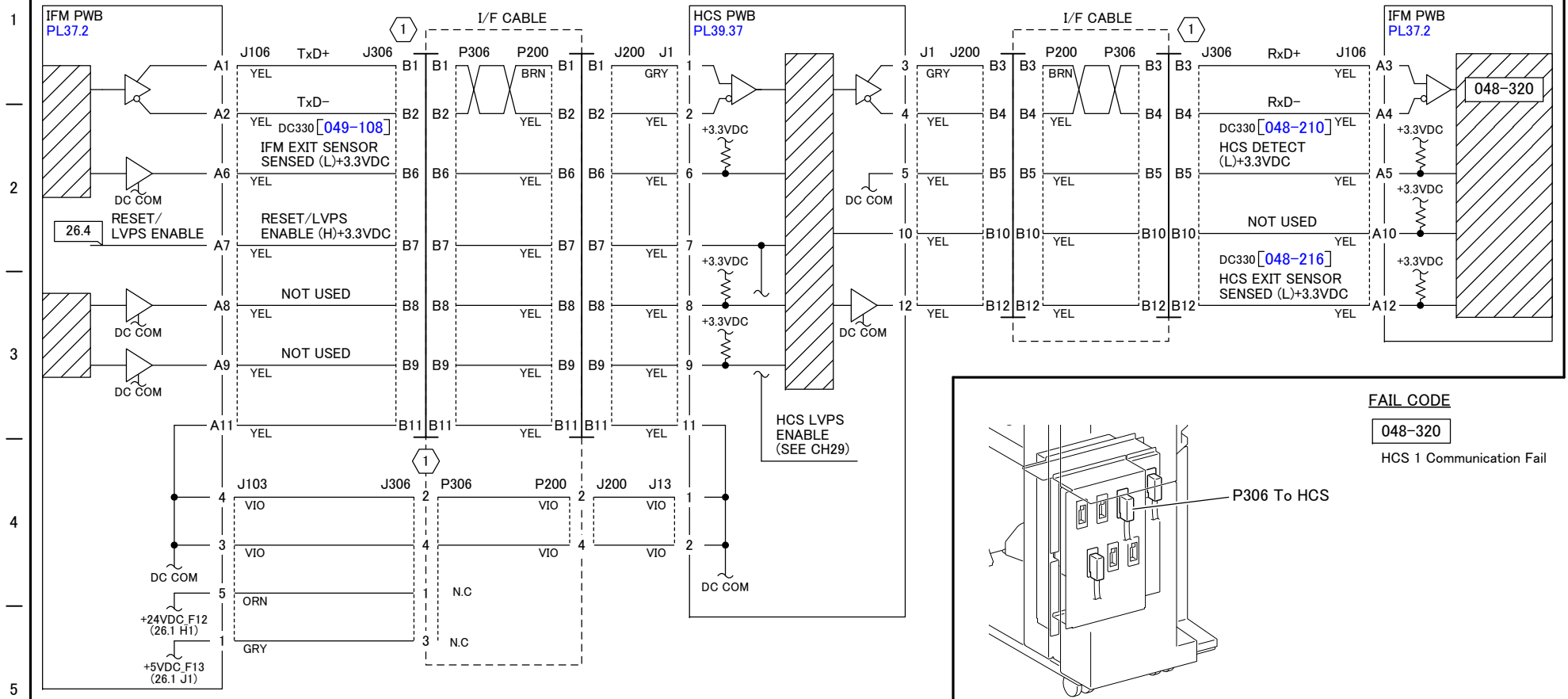
NOTE: ① Lattice Connector J680 pin numbers are assigned as follows.
(a view from the harness)

Ⓣ① Test Point: IFM PWB J102-1 (+) to GND (-)
with LVPS enabled, approx. +2.9VDC



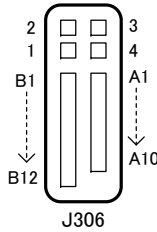
Rear View

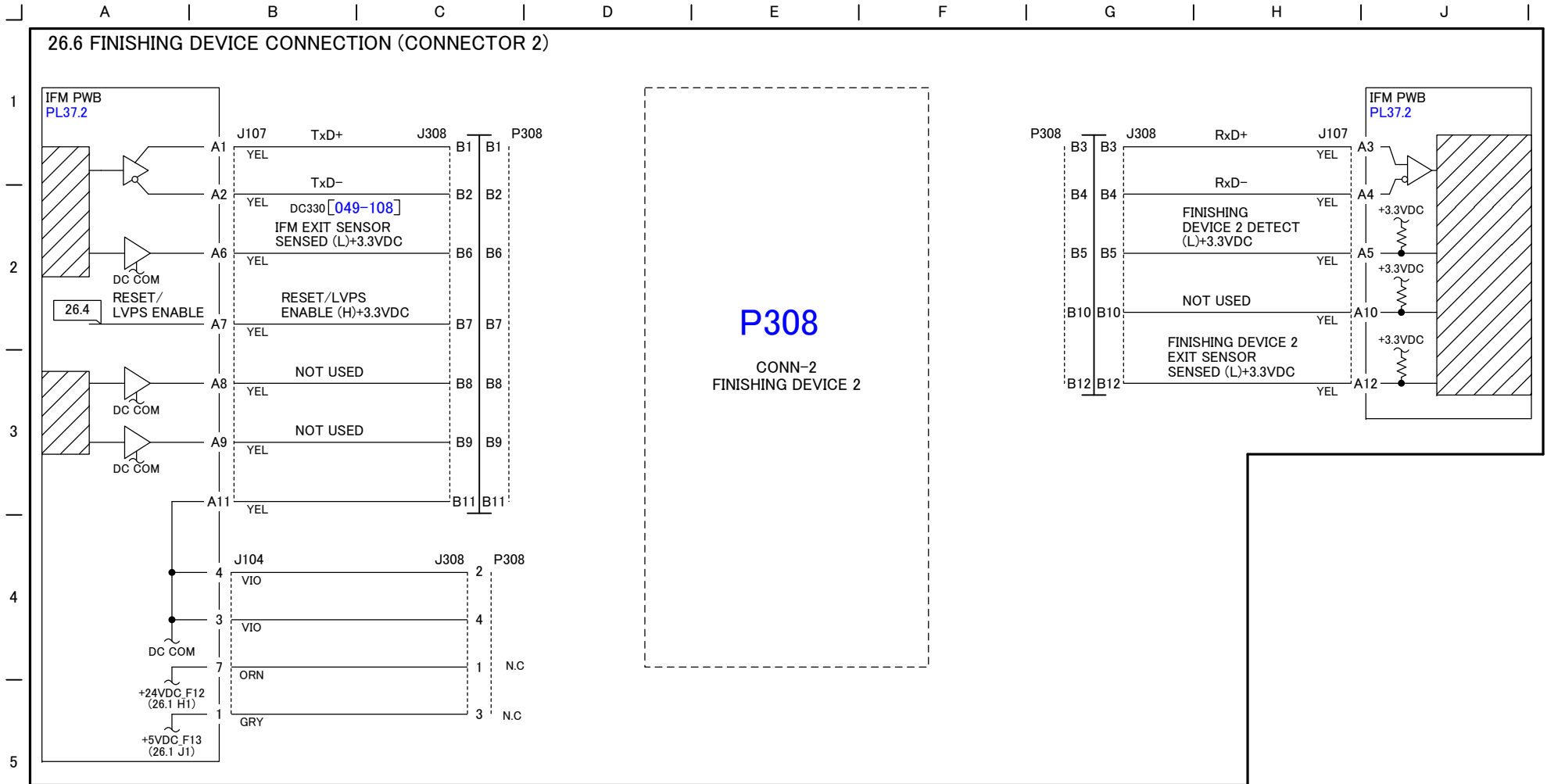
26.5 FINISHING DEVICE (HCS) CONNECTION (CONNECTOR 1)

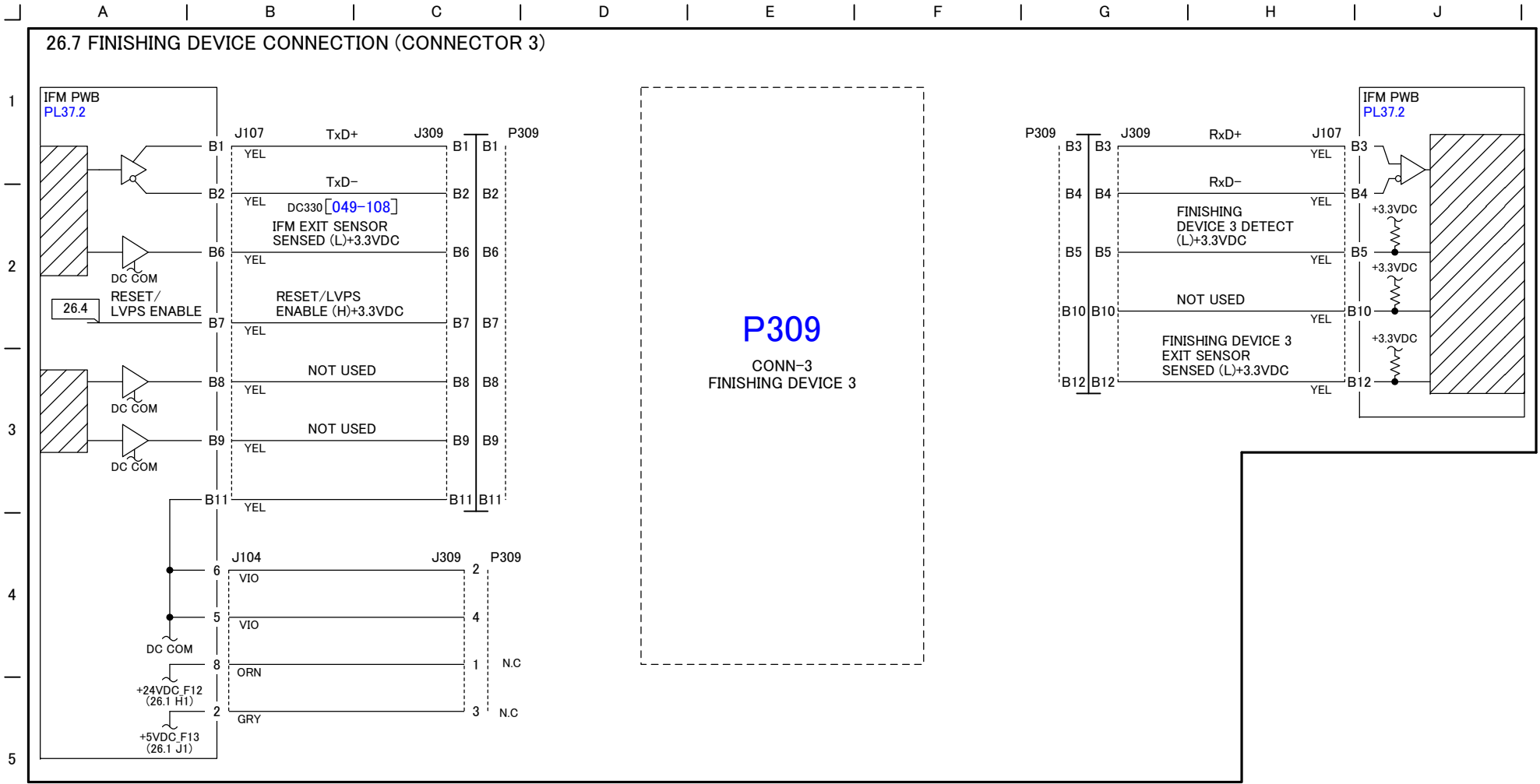


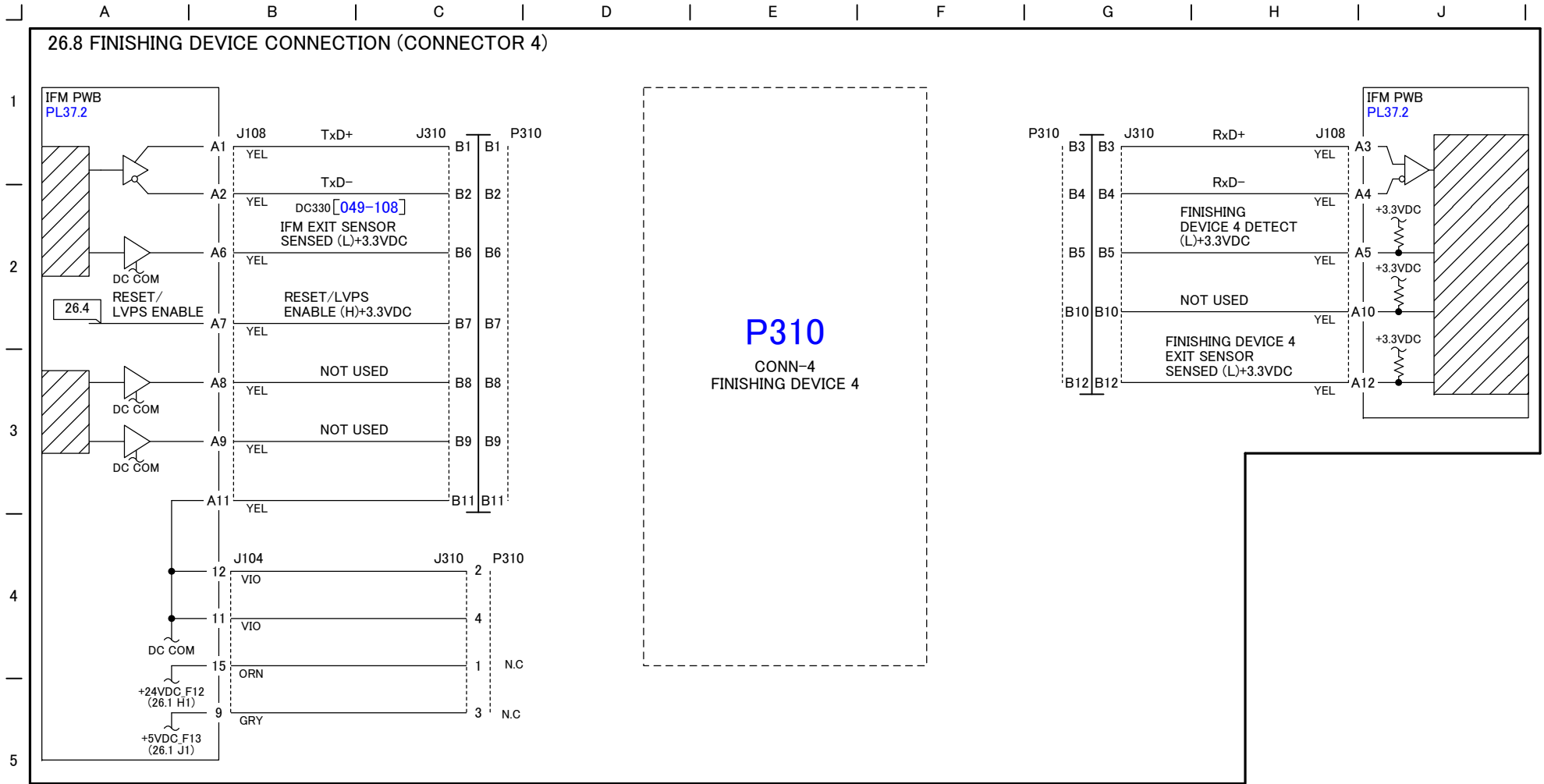
FAIL CODE
 048-320
 HCS 1 Communication Fail

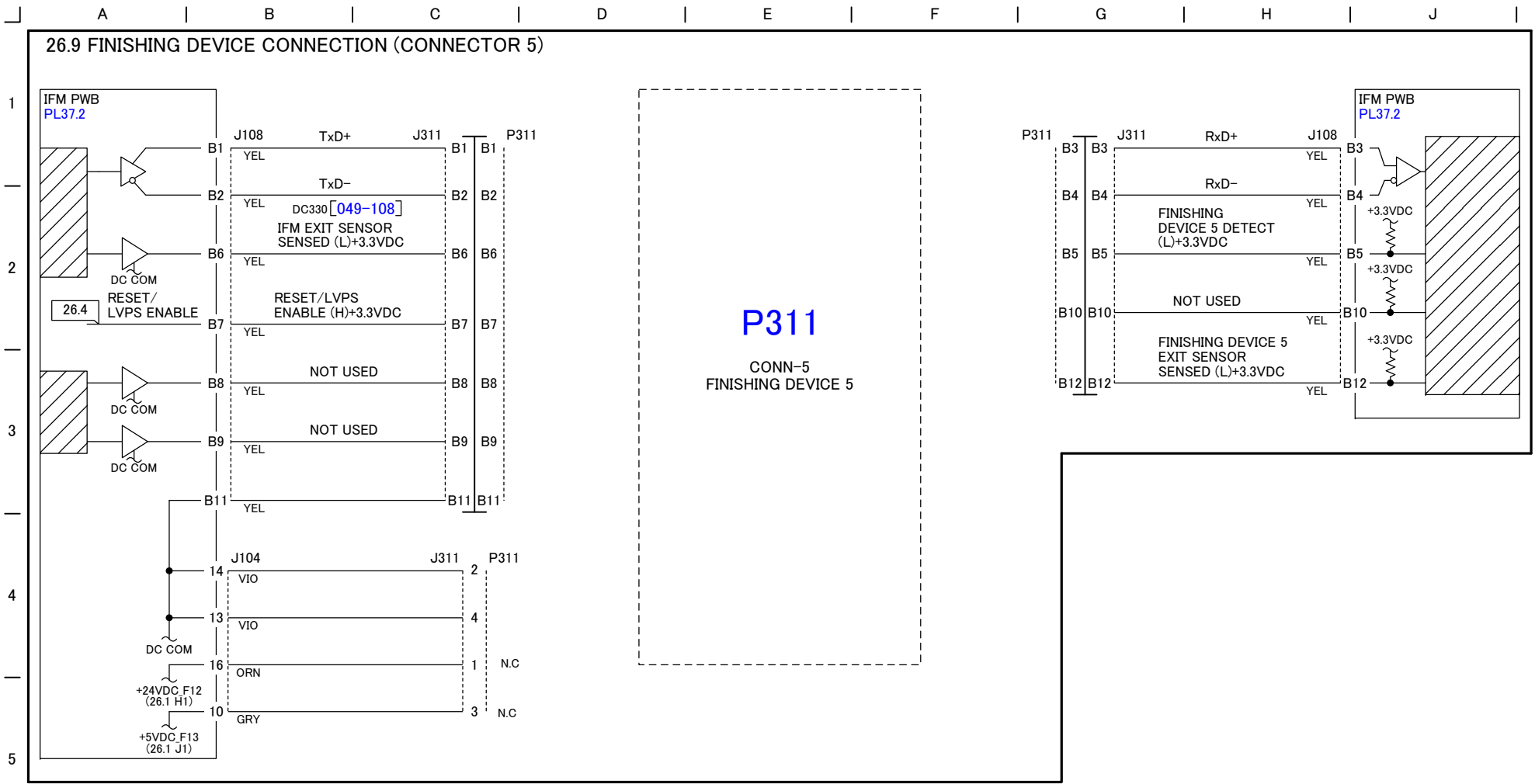
NOTE: ① Lattice Connector J306 pin numbers are assigned as follows.
 (a view from the harness)

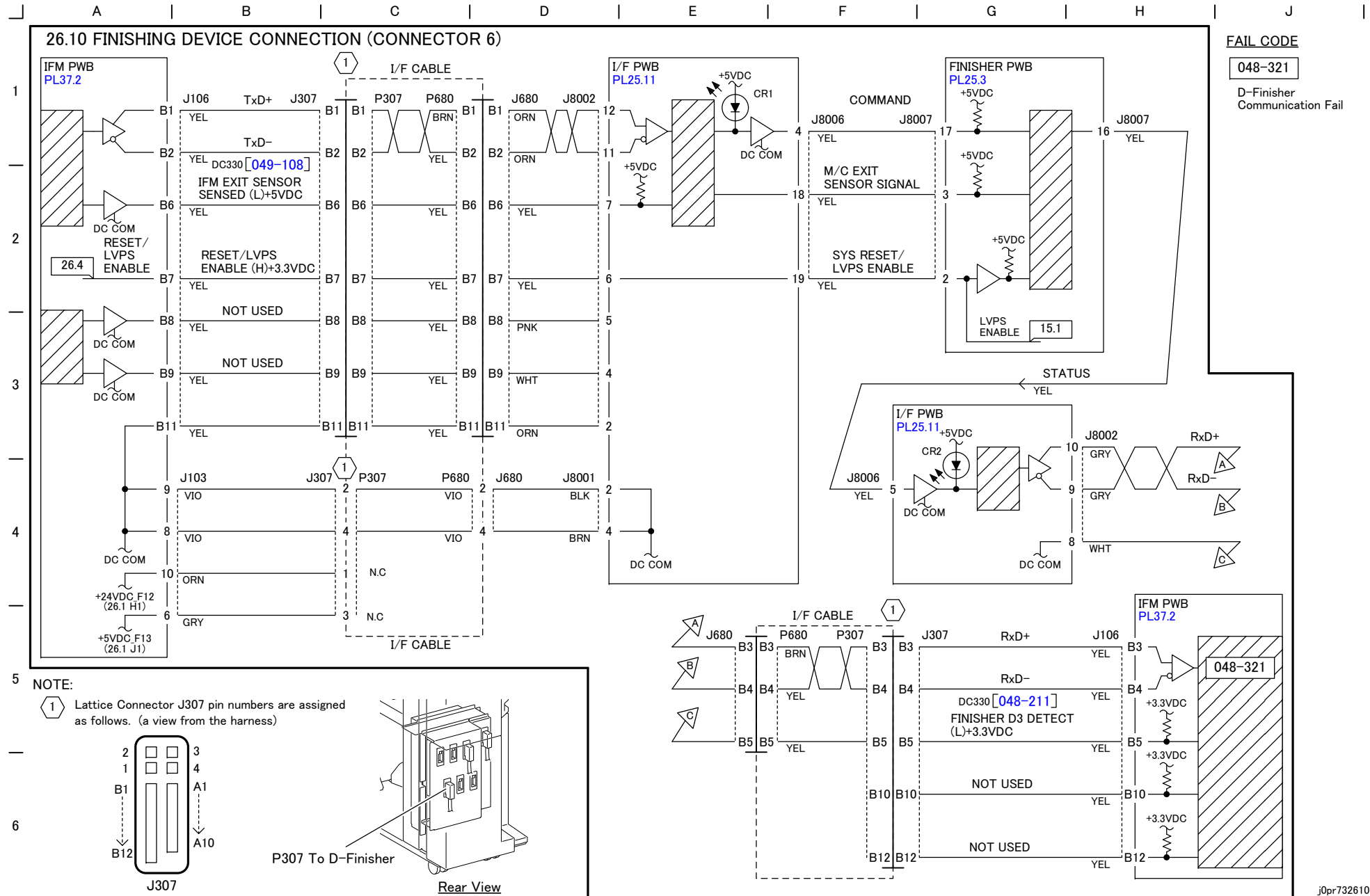






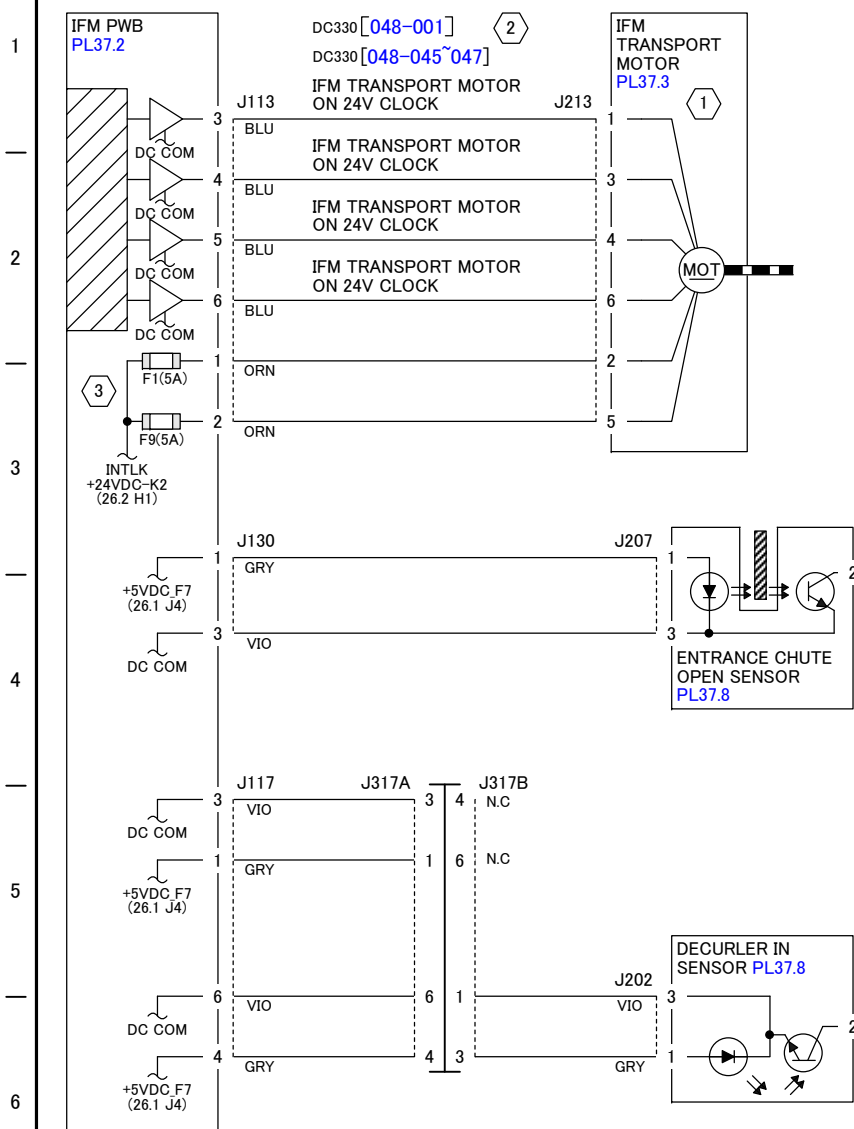




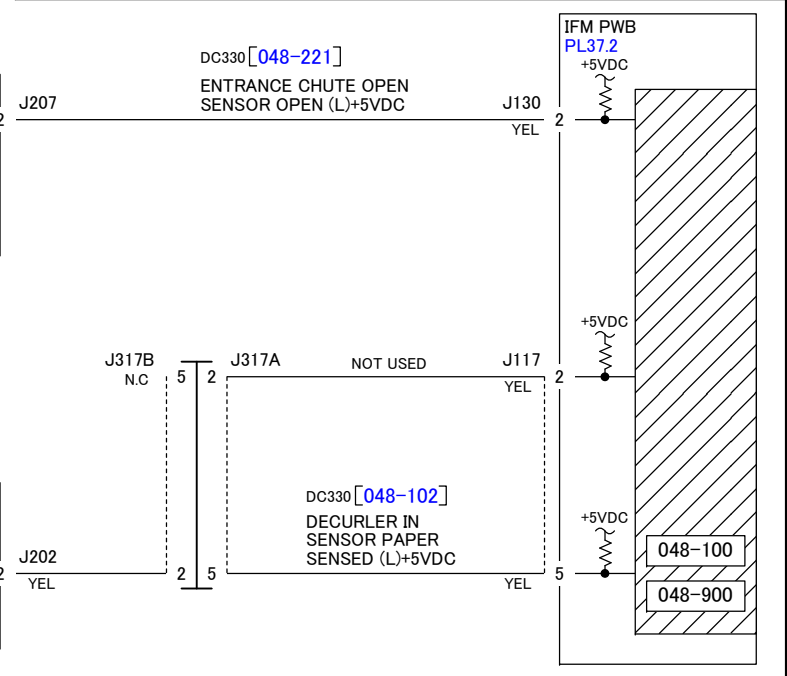
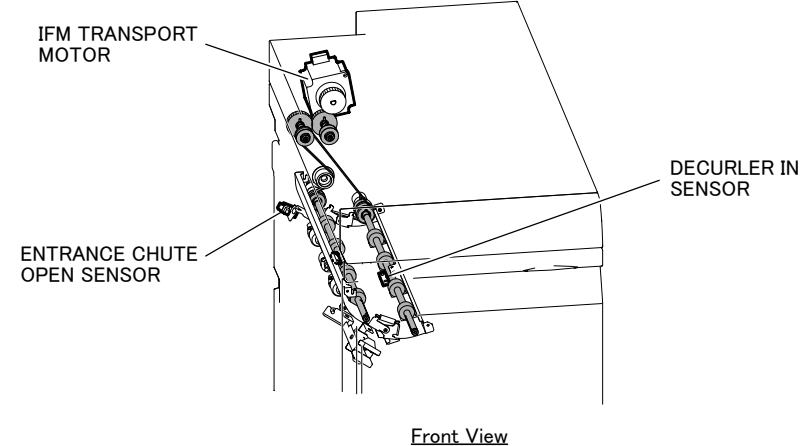


A | B | C | D | E | F | G | H | J

26.11 IFM PAPER TRANSPORTATION



ELECTRICAL COMPONENTS



FAIL CODE

- 048-100 IFM/ICM Decurler In Sensor On Jam (IOT)
- 048-900 IFM/ICM Decurler In Sensor Static Jam

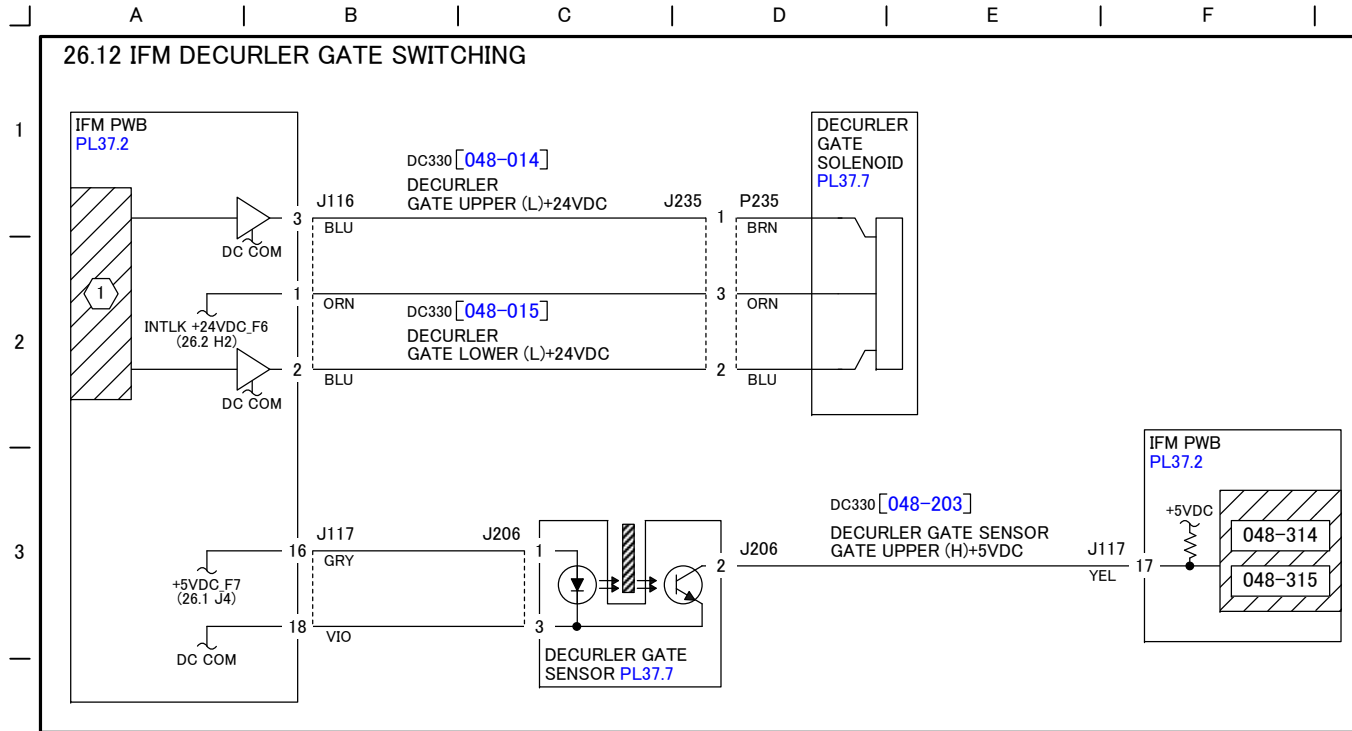
NOTE:

- 1 The winding resistance of IFM Transport Motor is $0.8 \Omega \pm 10\%$ (25°C) at the following measurement points:
J213-pin 2 to -pin 1/pin 3
J213-pin 5 to -pin 4/pin 6
- 2 The operating speed varies Depending on the diag code.

IFM Transport Motor	Operating Speed
DC330[048-001]	1,000mm/sec
DC330[048-045]	732.3mm/sec
DC330[048-046]	606mm/sec
DC330[048-047]	350.3mm/sec

3 Chip Fuse

j0pr732611



FAIL CODE

048-314

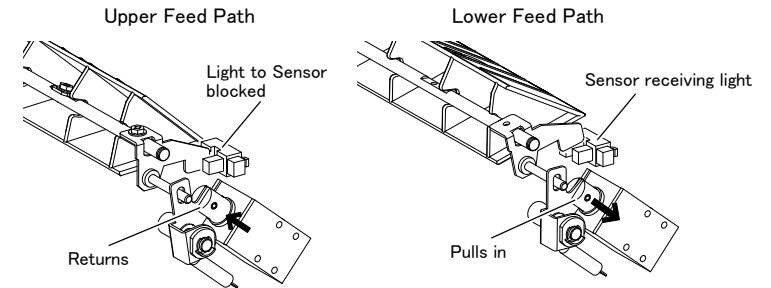
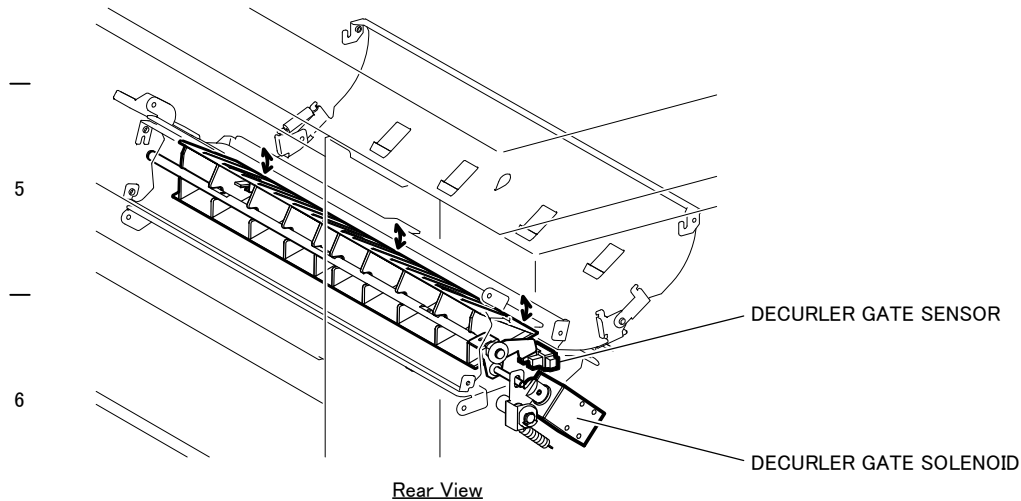
IFM/ICM Decurler Gate Sensor On Jam

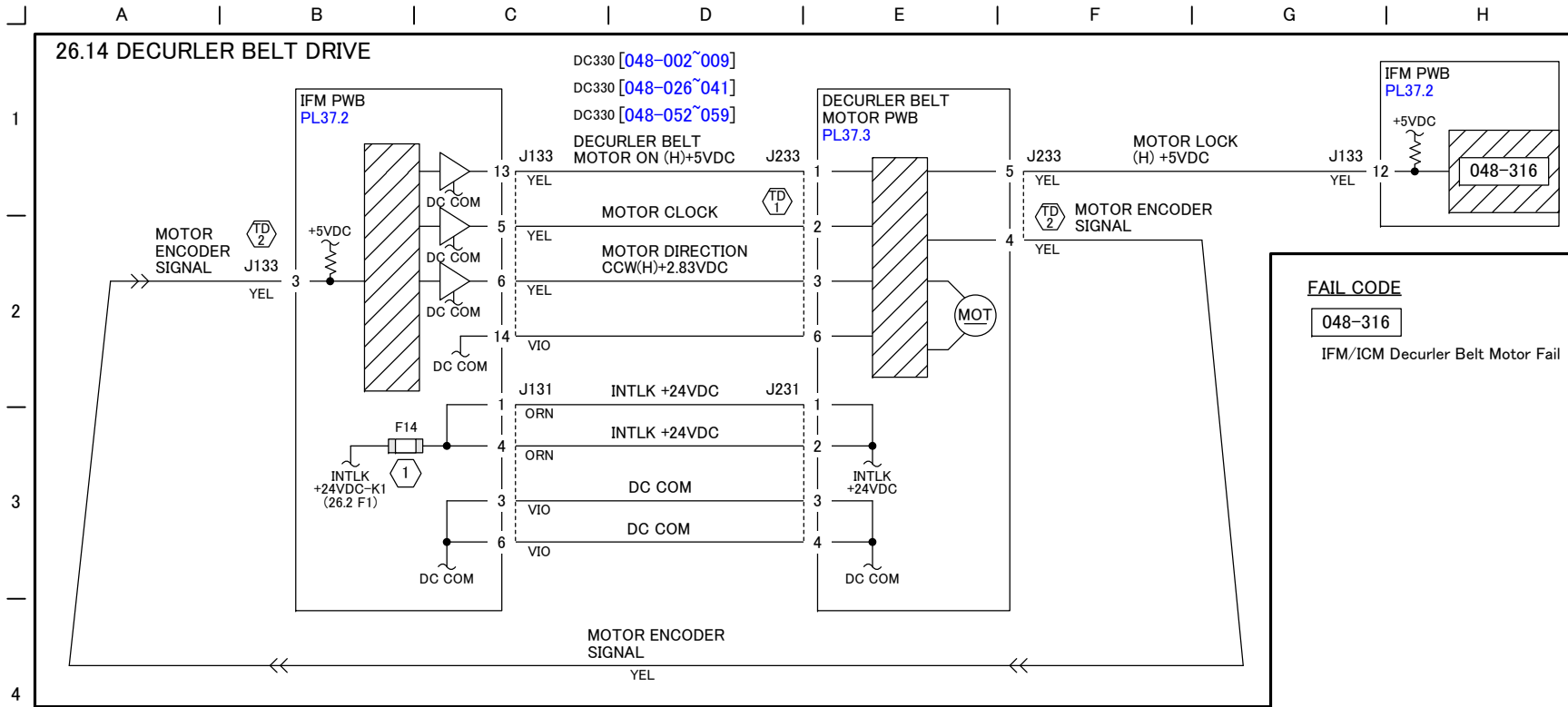
048-315

IFM/ICM Decurler Gate Sensor Off Jam

4 ELECTRICAL COMPONENTS

NOTE: ① The following shows the relation between Decurler Gate Solenoid And Decurler Gate Sensor in switching the feed direction.





1
2
3
4
5
6

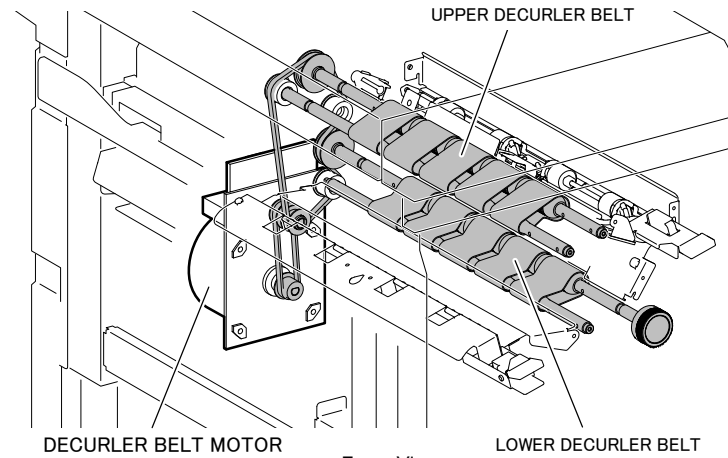
ELECTRICAL COMPONENTS

(TP 1) Test Point: Decurler Belt Motor PWB J233-2 (+) to GND (-)
When DC330[048-002] turns ON, approx. +2.84VDC to +1.41VDC.

(TP 2) Test Point: Decurler Belt Motor PWB J233-4 (+) to GND (-)
When DC330[048-002] turns ON, approx. +5VDC to +2.53VDC.

NOTE:

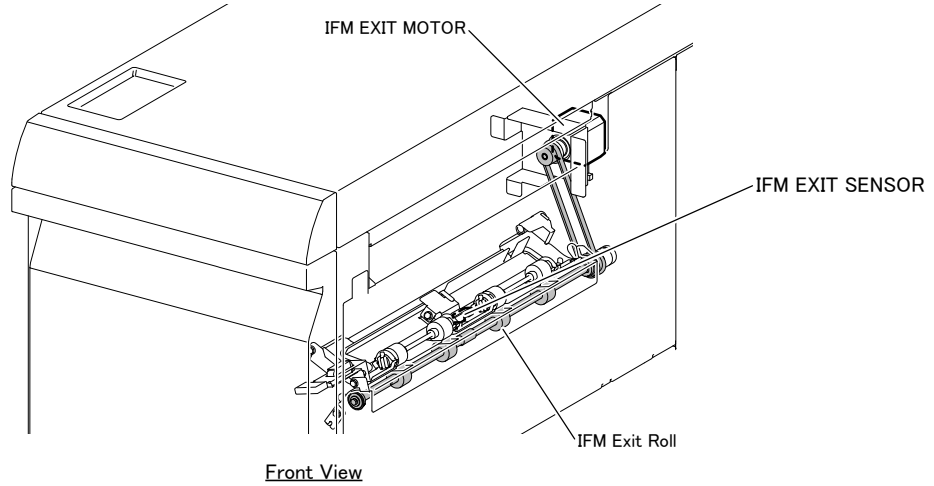
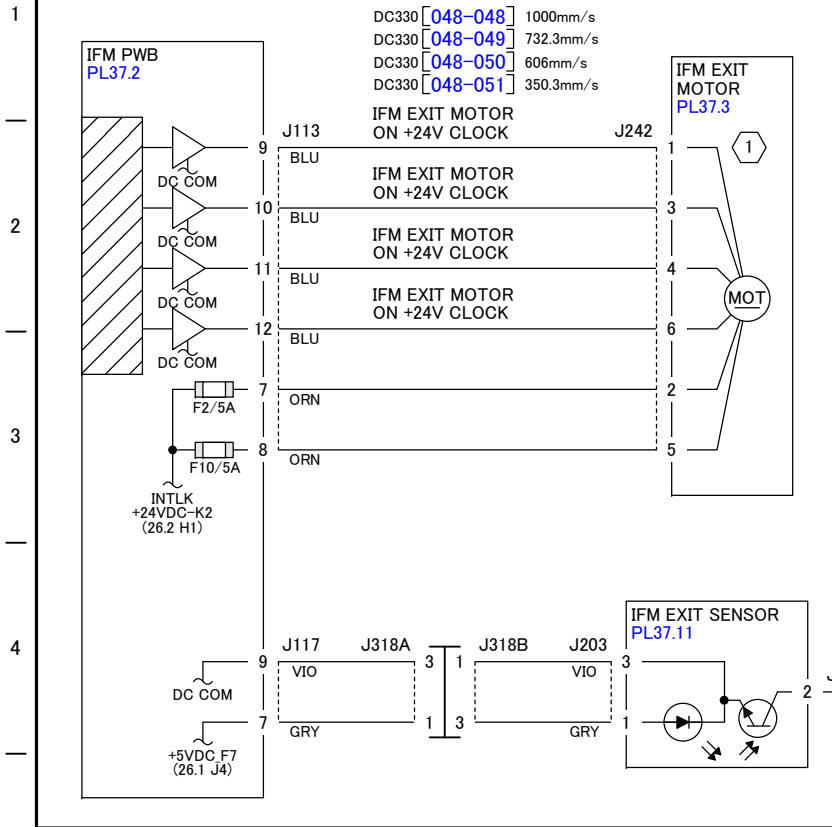
(1) Chip Fuse



Front View

26.15 IFM EXIT TRANSPORTATION

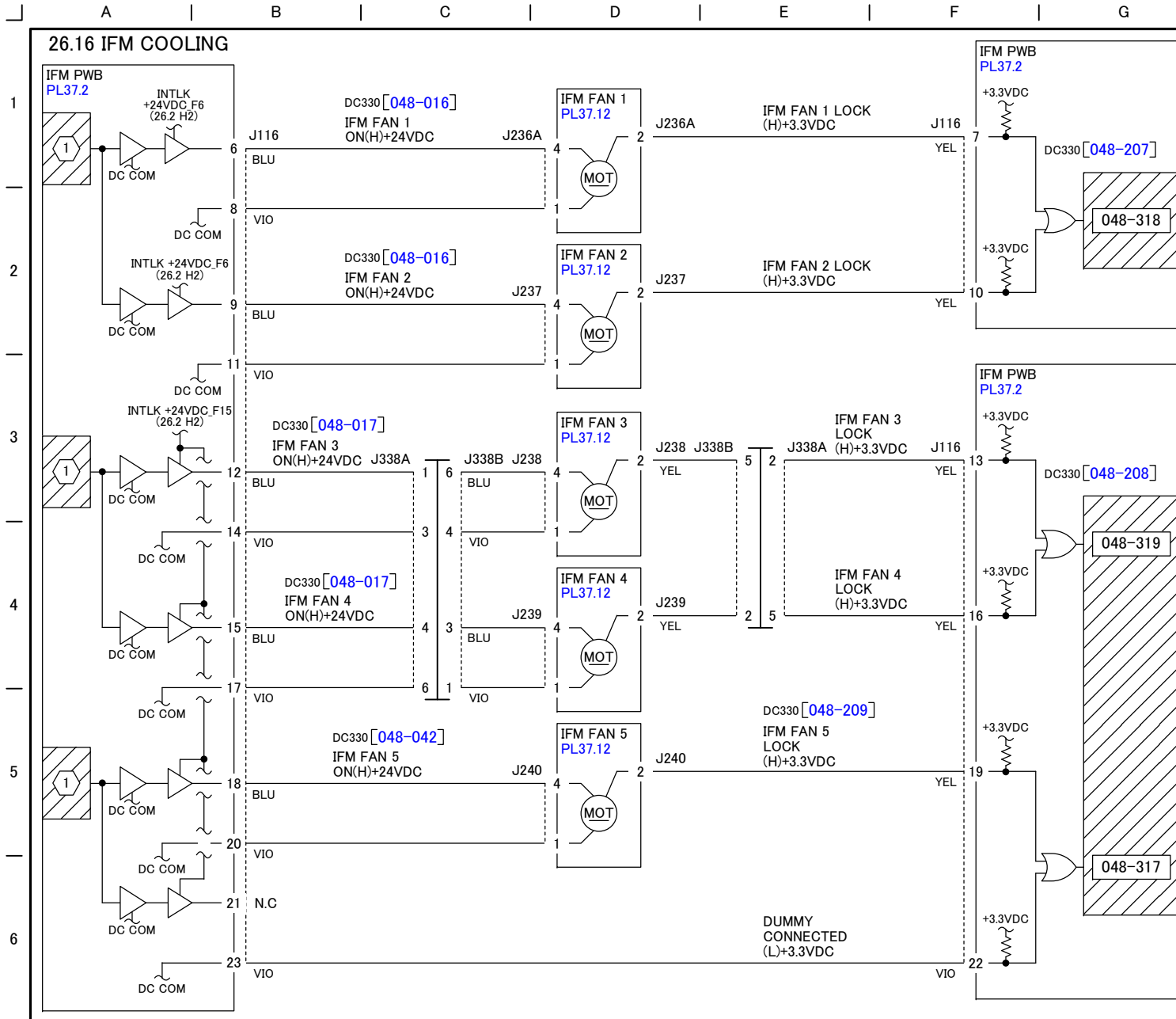
ELECTRICAL COMPONENTS



NOTE: ① The winding resistance of IFM Exit Motor is $2\Omega \pm 10\%$ (25°C) at the following measurement points:
 J242-pin 2 to -pin 1 / pin 3
 J242-pin 5 to -pin 4 / pin 6

FAIL CODE

- 048-102 IFM/ICM Exit Sensor On Jam
- 048-901 IFM/ICM Exit Sensor Static Jam



FAIL CODE

048-317

IFM/ICM Cooling Fan 5 Fail

048-318

IFM/ICM Cooling Fan 1/2 Fail

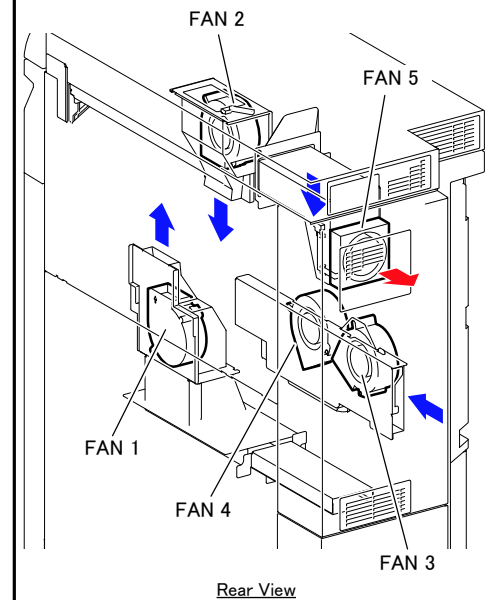
048-319

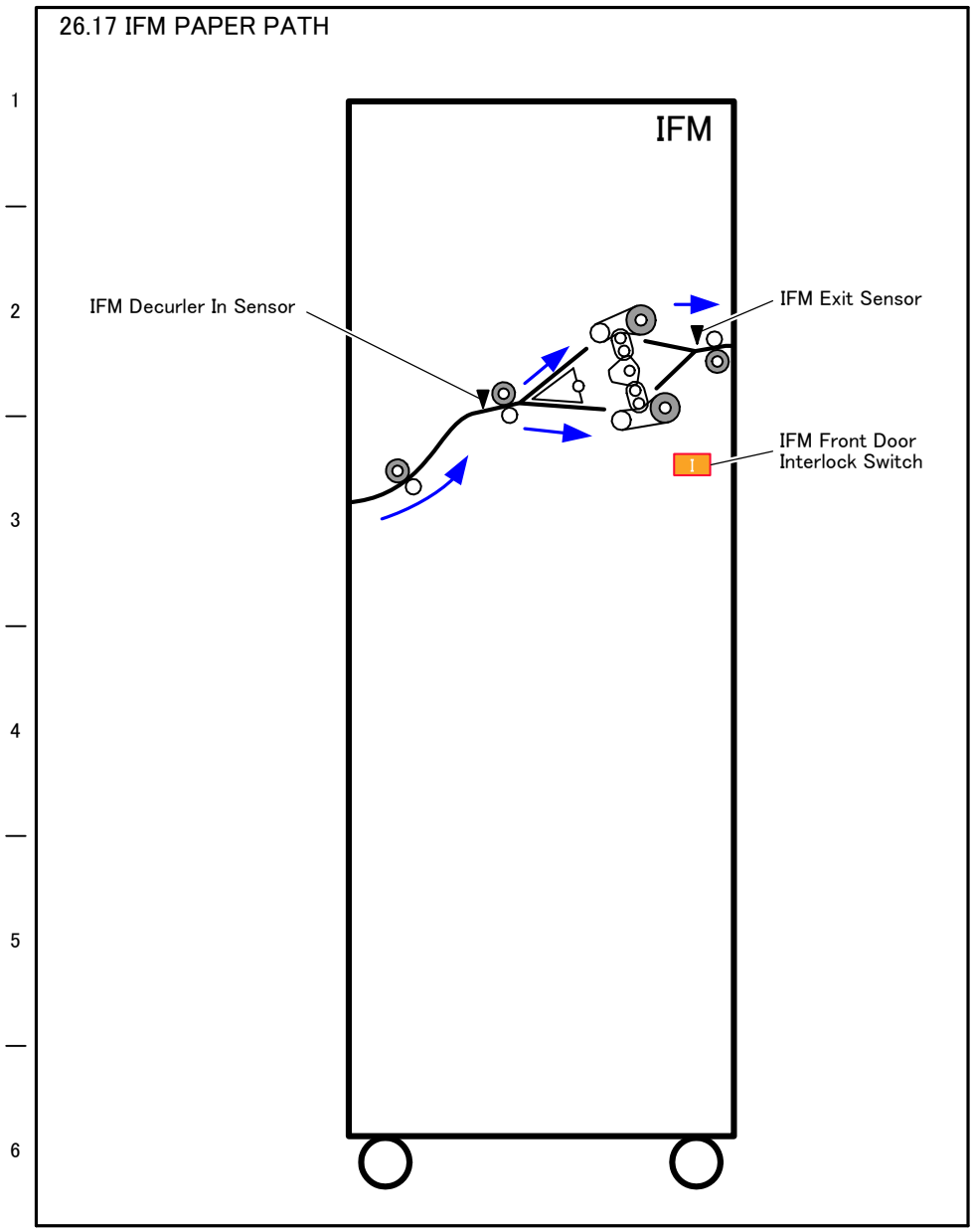
IFM/ICM Cooling Fan 3/4 Fail

NOTE: ①

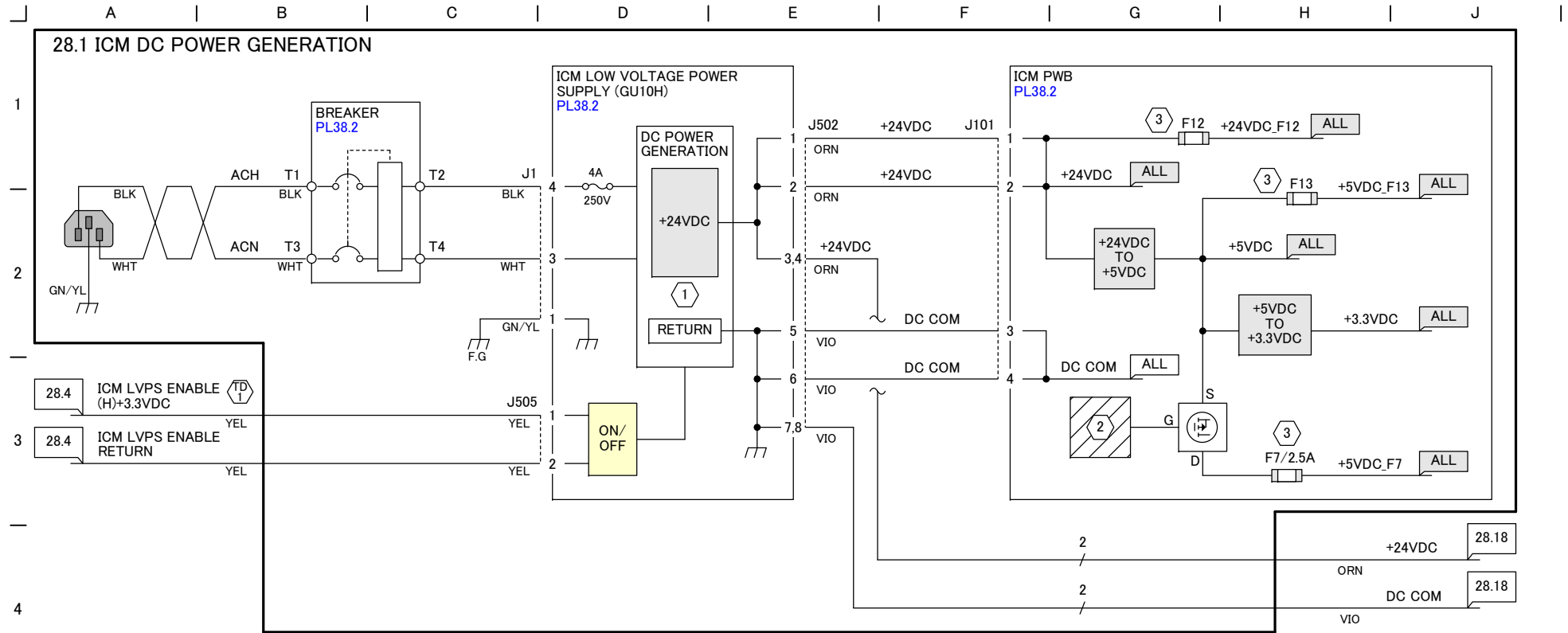
Each fan turns ON and OFF at the following timings:
ON: 700ms after IFM Transport Motor turns ON
OFF: 30ms after IFM Exit Sensor turns OFF

ELECTRICAL COMPONENTS & AIR FLOW





j0pr732617



1
2
3
4
5
6

28.4 ICM LVPS ENABLE (H)+3.3VDC
28.4 ICM LVPS ENABLE RETURN

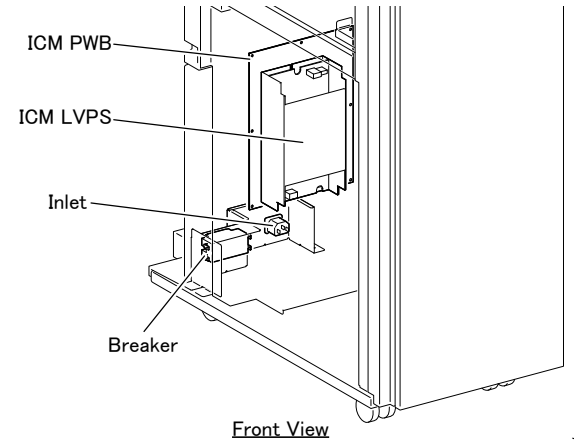
- NOTE:
- ① •Rated input voltage
100-240VAC
 - Rated input frequency
50-60Hz
 - Short Protection (Over-current Protection)
If +24VDC output is shorted, it is stopped.
To restore it, repair the short circuit, power off, allow 15 sec., then power on.
 - Over-voltage Protection
If the output voltage reaches +26.7 to +32VDC, all the outputs are cut off.
To restore them, clear the Over-voltage Protection operation that was performed due to the damaged or broken LVPS, power off, allow 15 sec and then power on.

② This +5VDC is always ON when M/C is on.

③ Chip Fuse

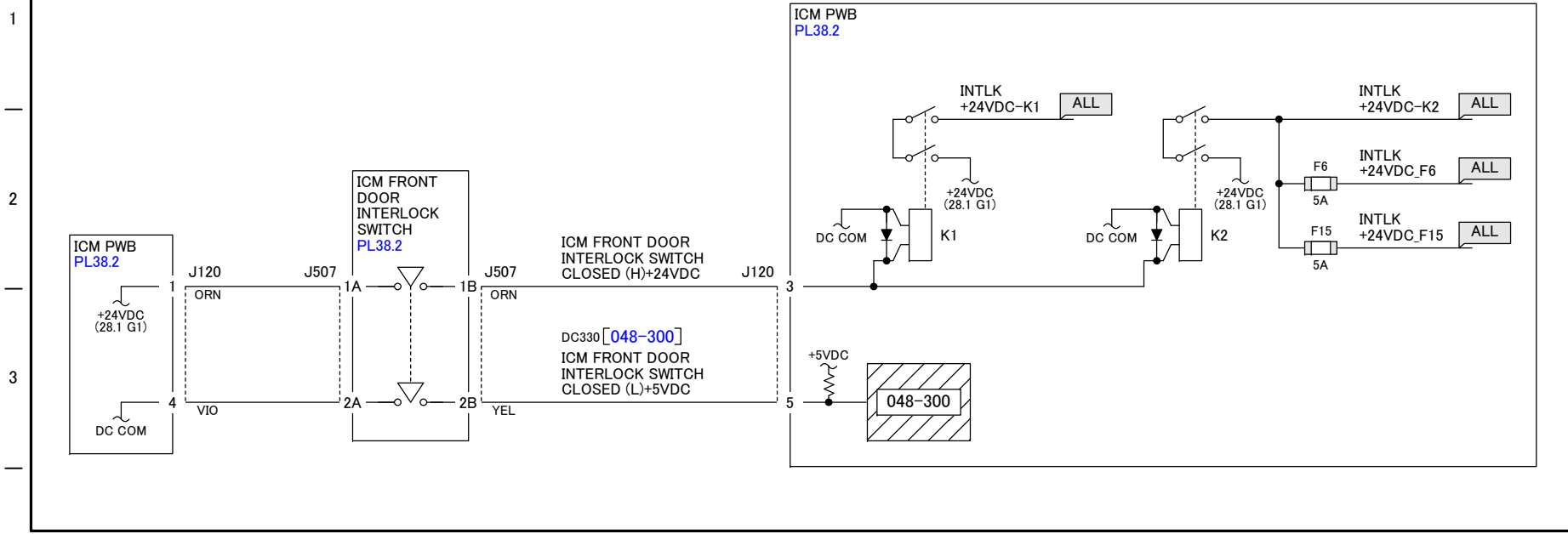
Ⓣ Test Point: ICM LVPS J505-1 (+) to GND (-)
with LVPS enabled, approx. +2.9VDC

ELECTRICAL COMPONENTS



A | B | C | D | E | F | G | H | J

28.2 POWER INTERLOCK SWITCHING

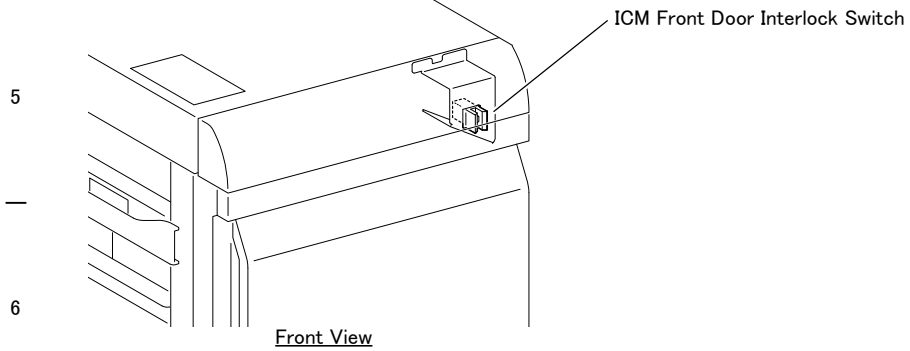


4 ELECTRICAL COMPONENTS

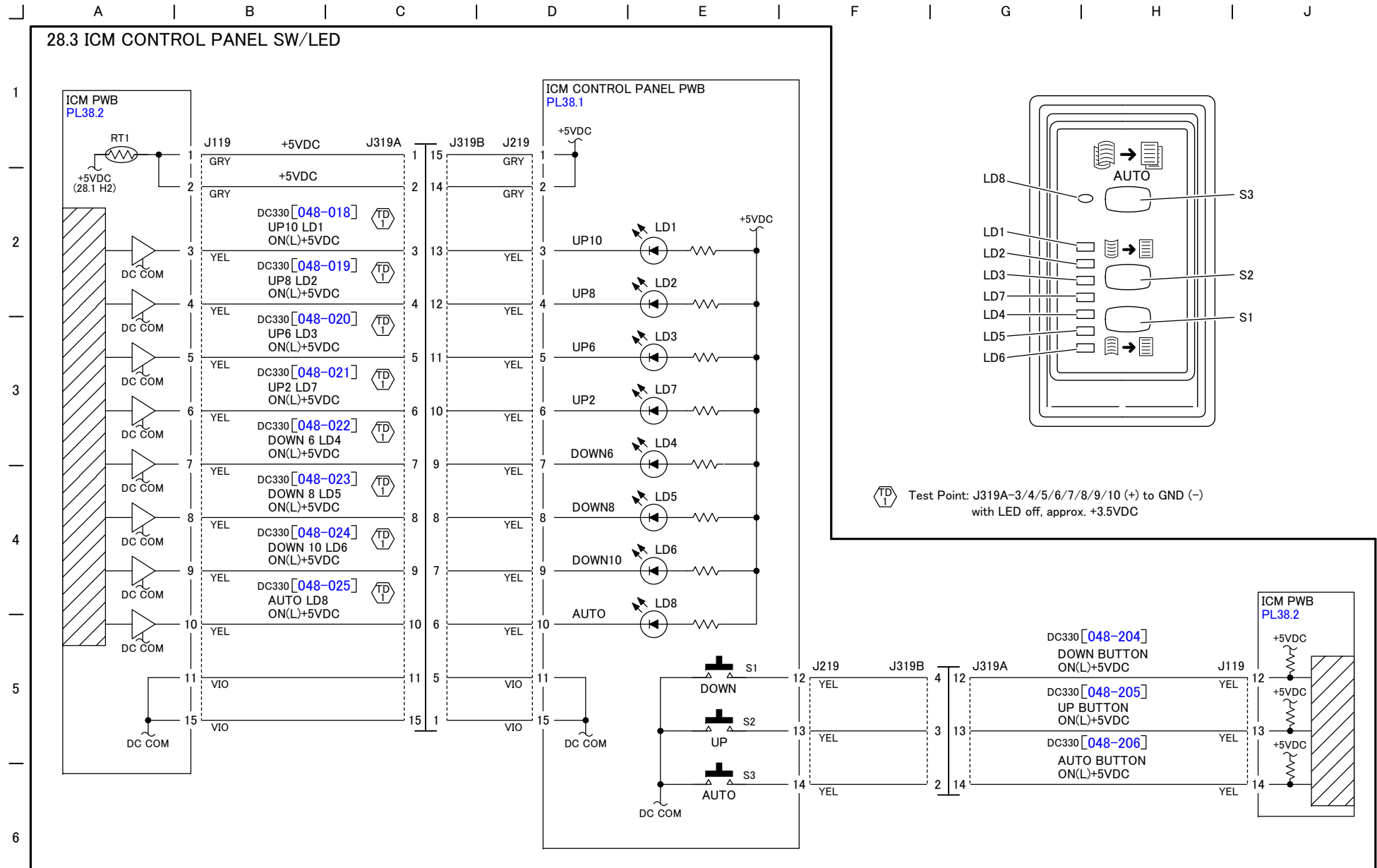
FAIL CODE

048-300

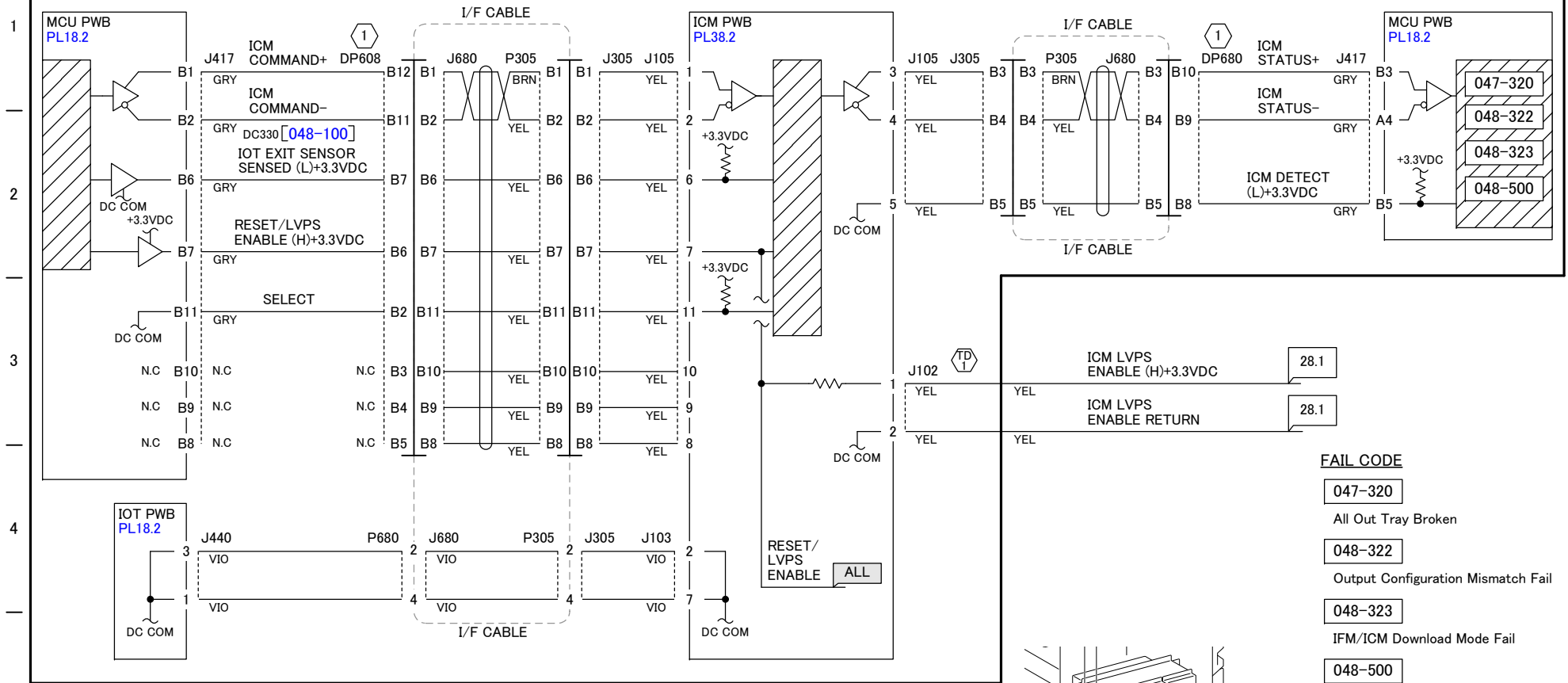
IFM/ICM Front Door Open



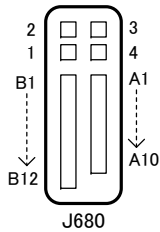
j0pr732802



28.4 IOT - ICM PWB COMMUNICATION



NOTE: ① Lattice Connector J680 pin numbers are assigned as follows.
(a view from the harness)



① Test Point: ICM PWB J102-1 (+) to GND (-)
with LVPS enabled, approx. +2.9VDC

FAIL CODE

047-320

All Out Tray Broken

048-322

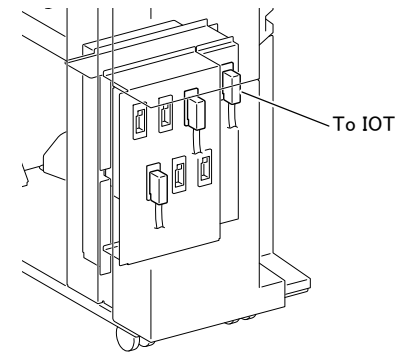
Output Configuration Mismatch Fail

048-323

IFM/ICM Download Mode Fail

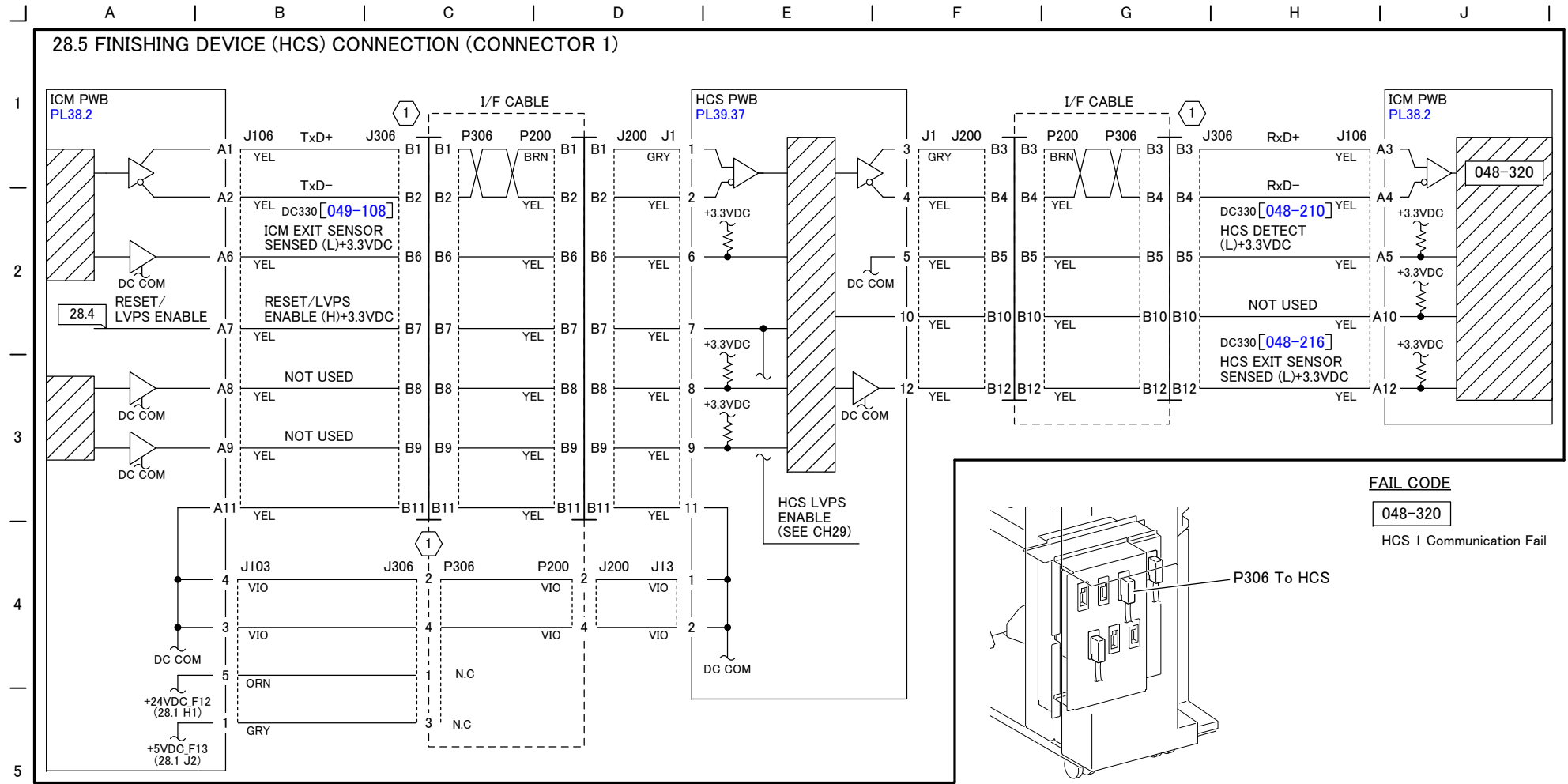
048-500

IFM/ICM ROM Write Error

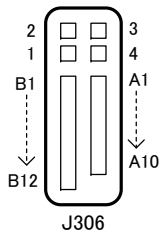


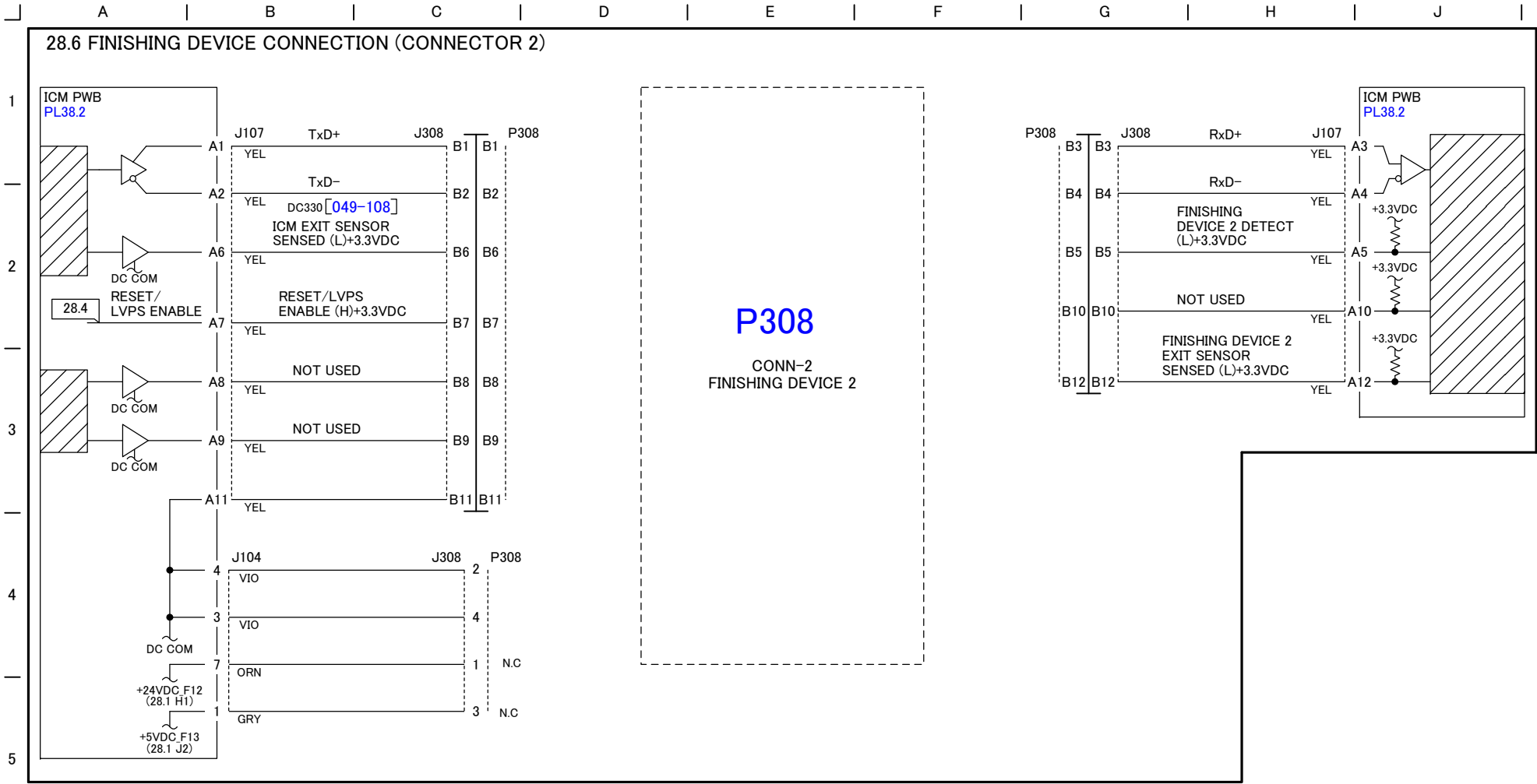
Rear View

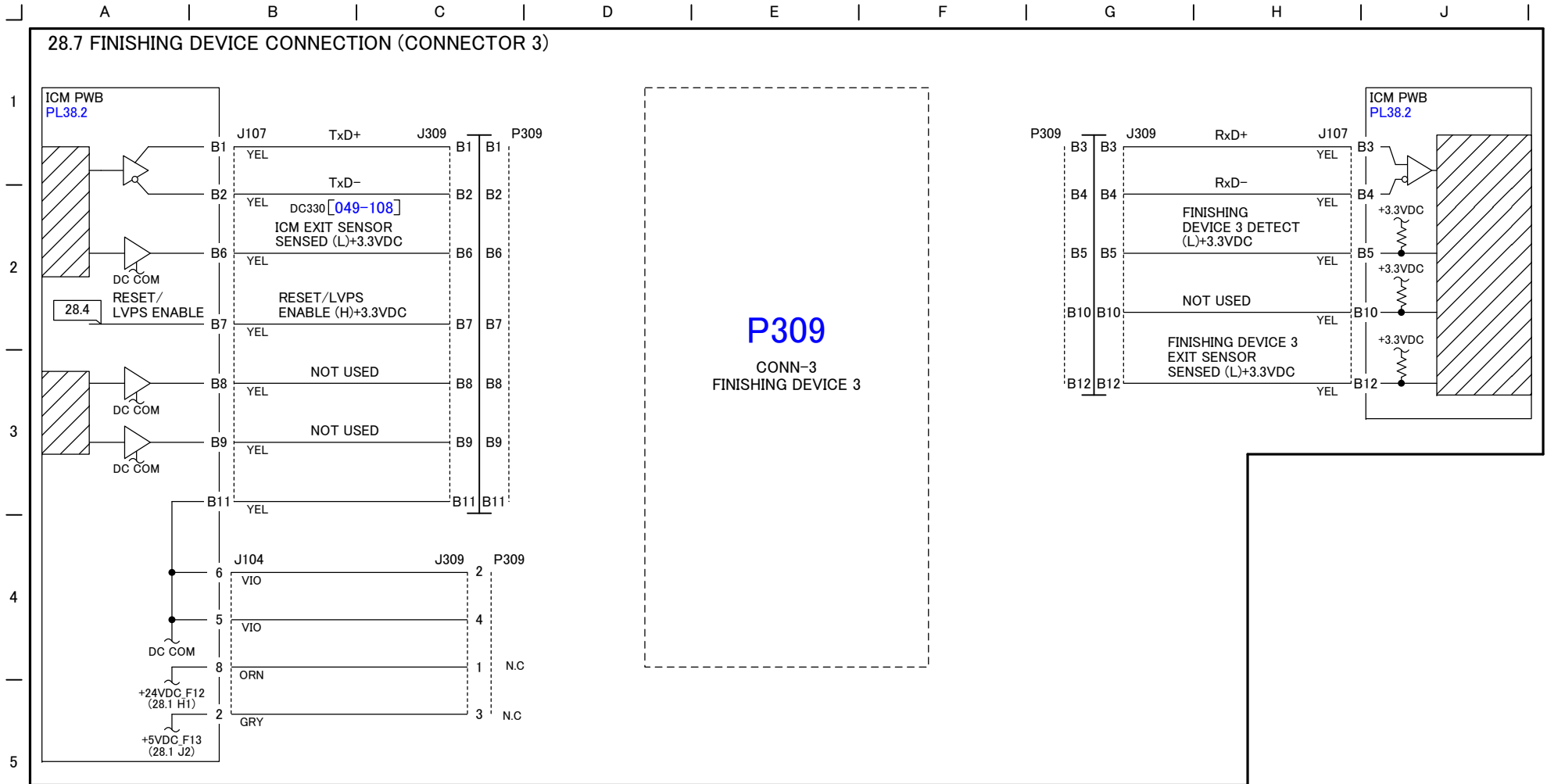
j0pr732804

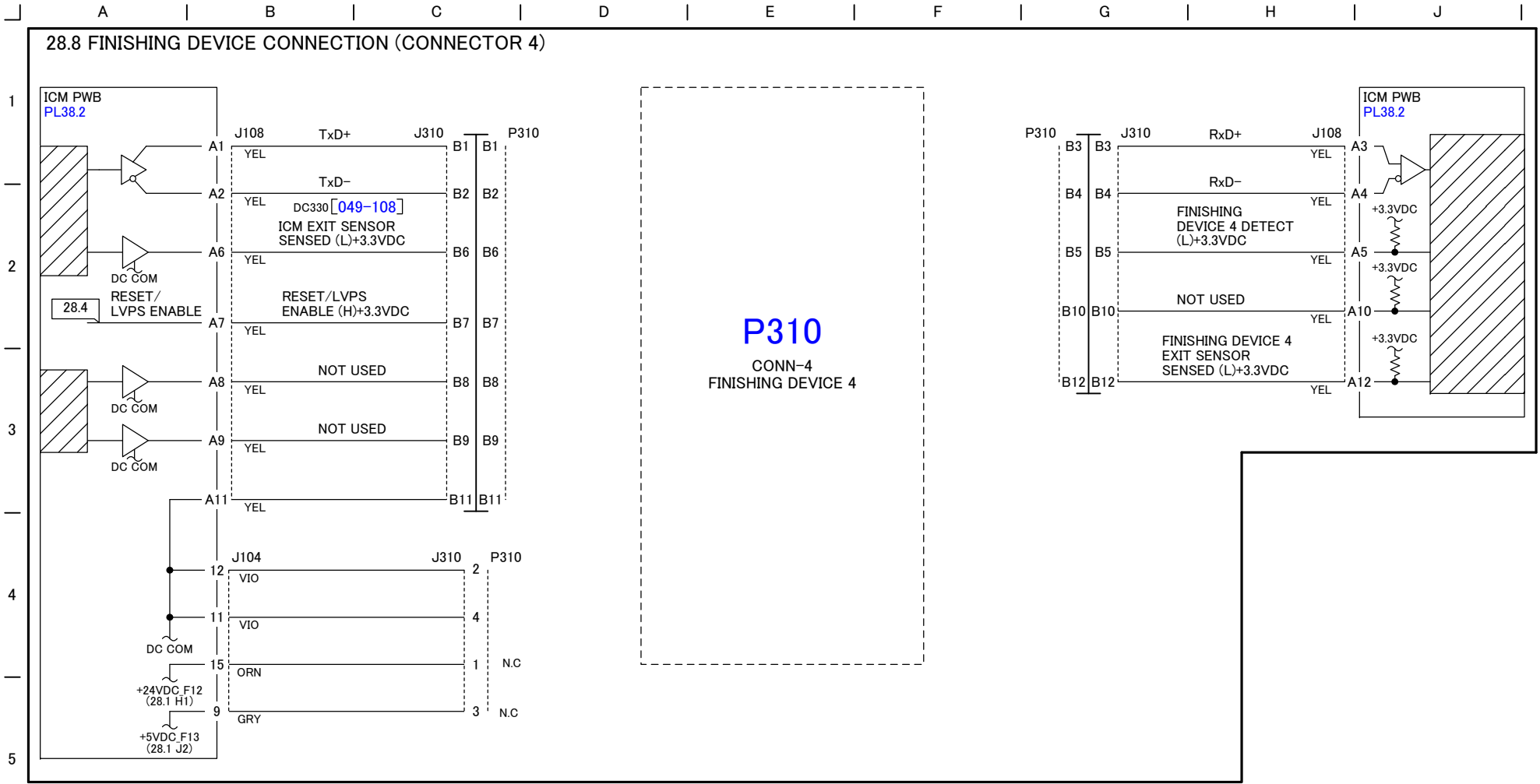


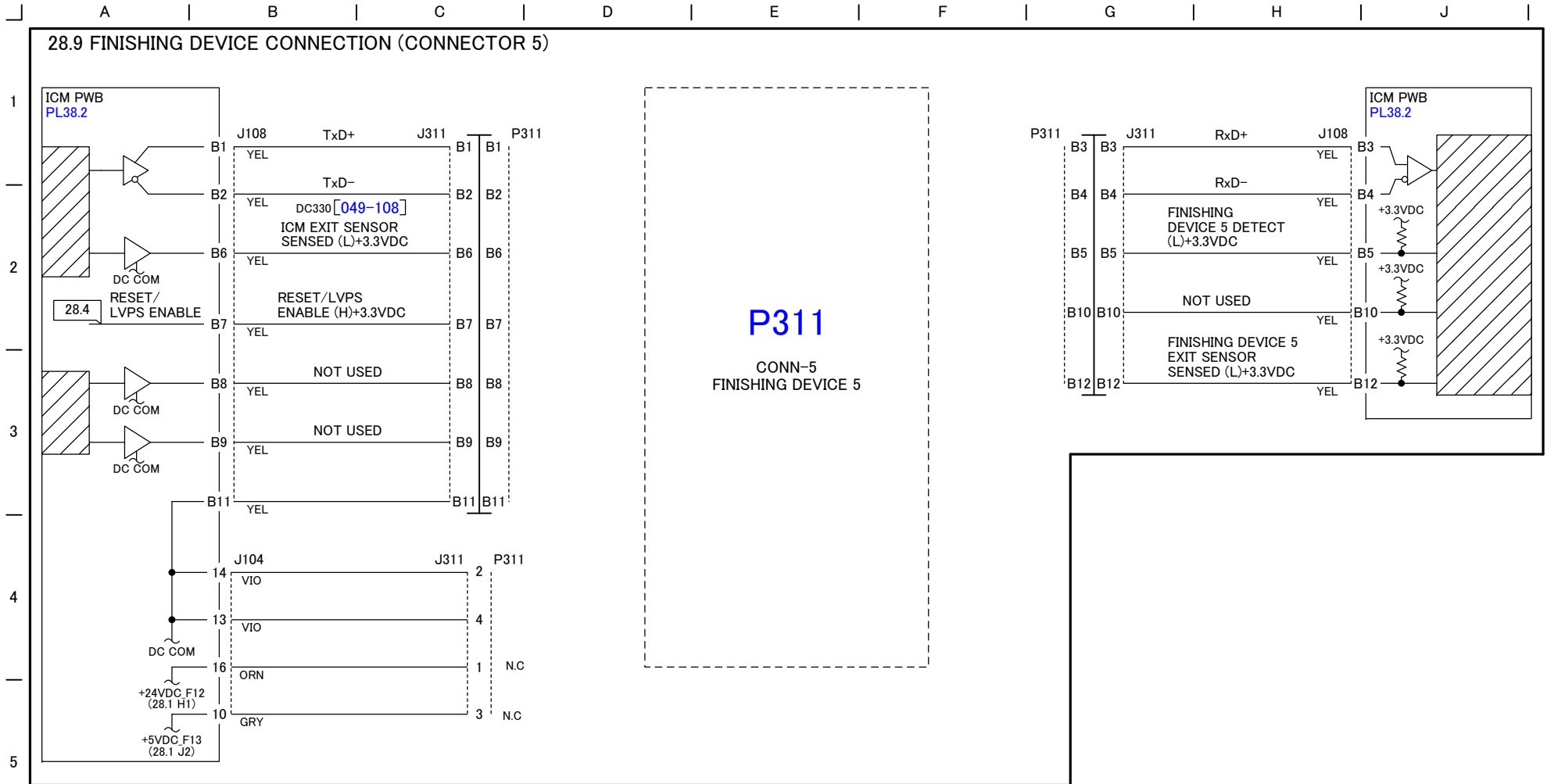
NOTE: ① Lattice Connector J306 pin numbers are assigned as follows.
(a view from the harness)









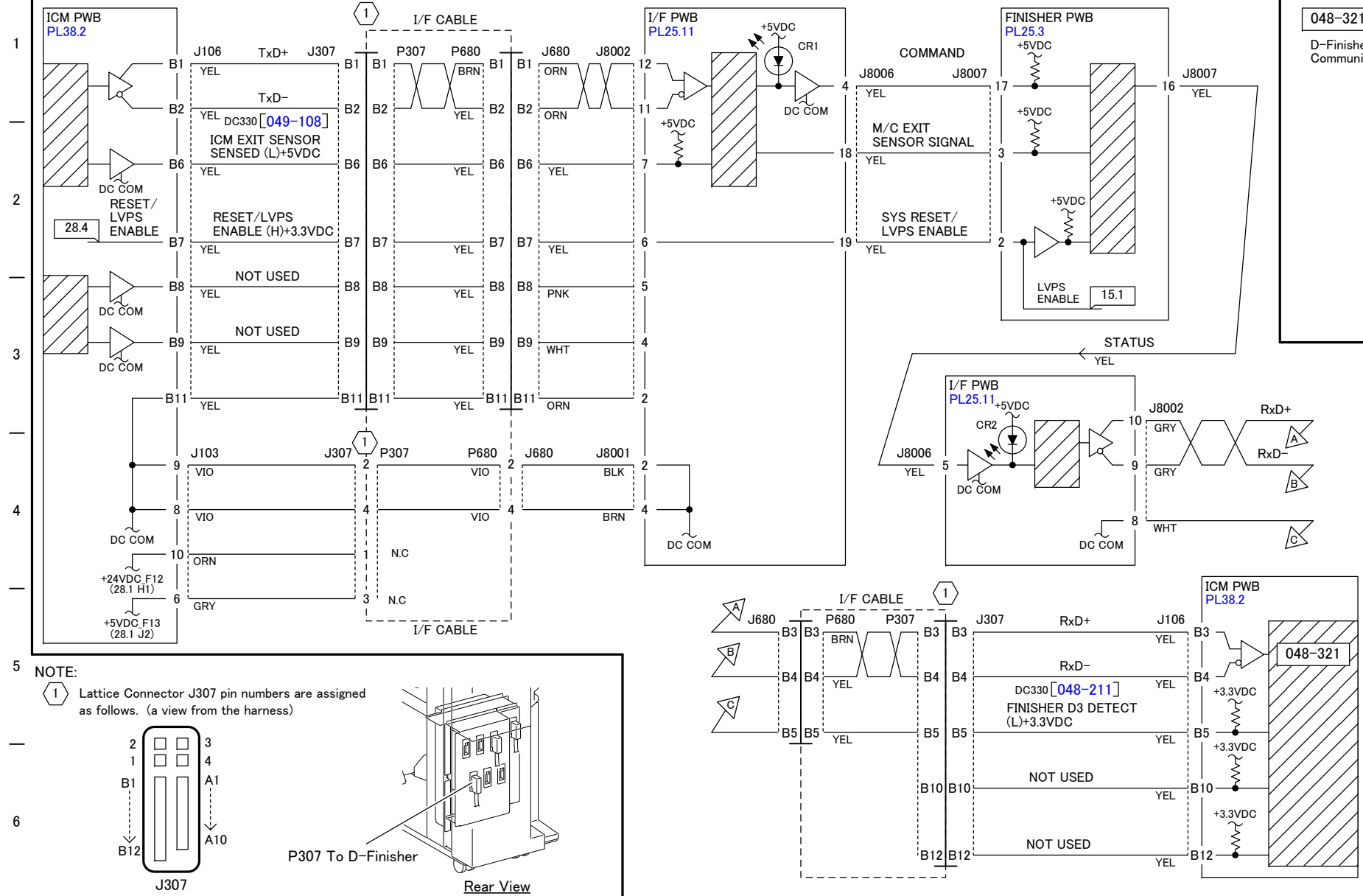


28.10 FINISHING DEVICE CONNECTION (CONNECTOR 6)

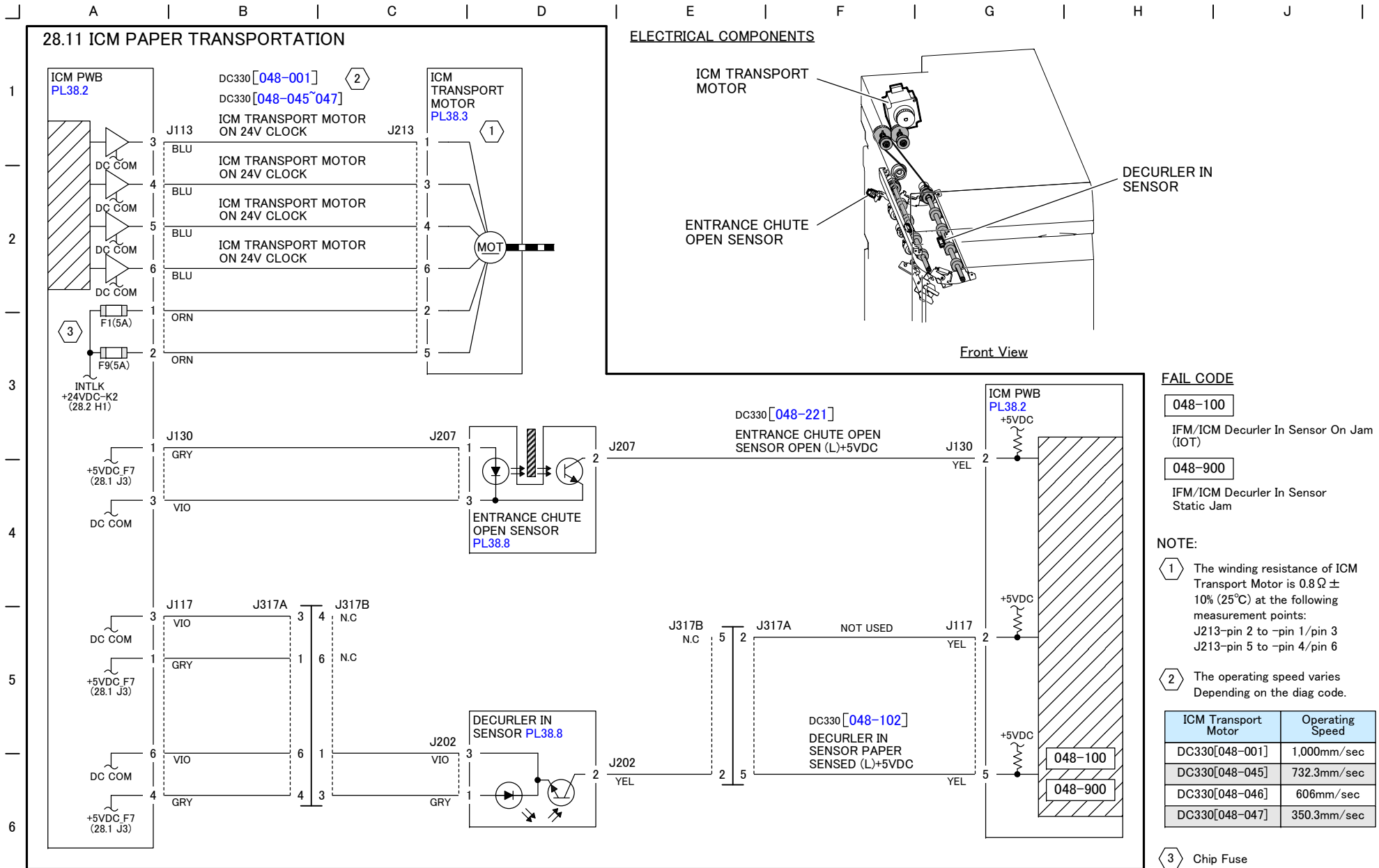
FAIL CODE

048-321

D-Finisher
Communication Fail



j0pr732810



28.12 ICM DECURLER GATE SWITCHING

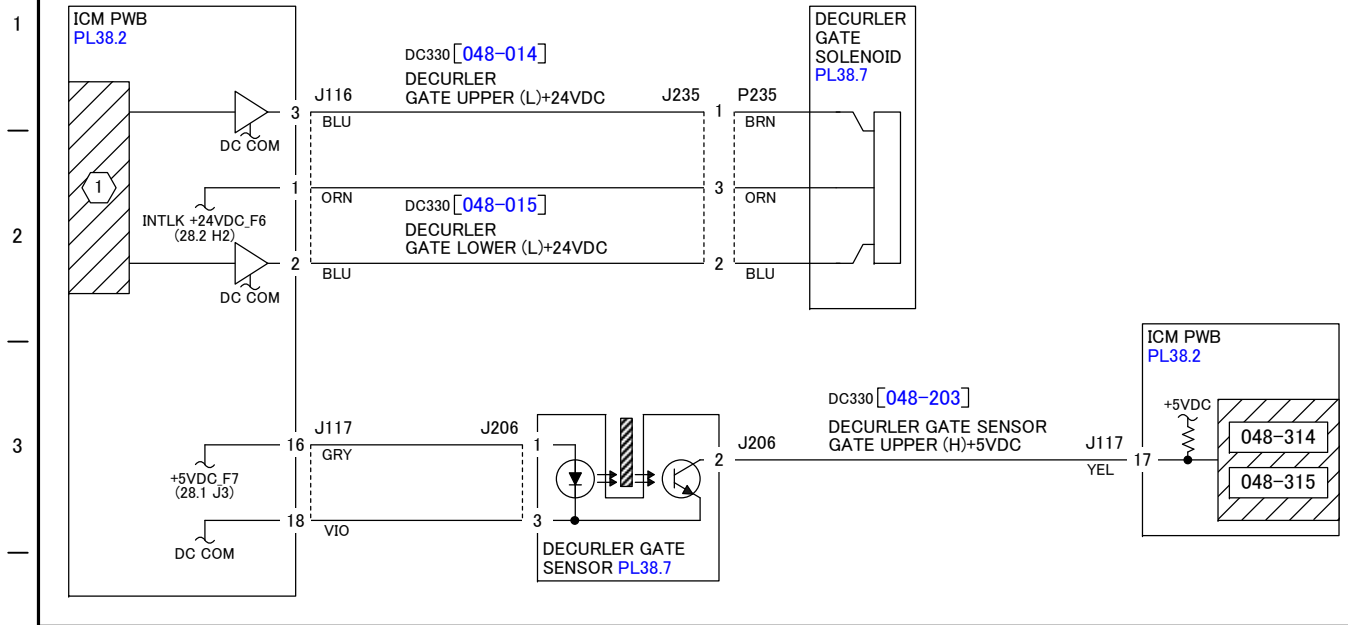
FAIL CODE

048-314

IFM/ICM Decurler Gate Sensor On Jam

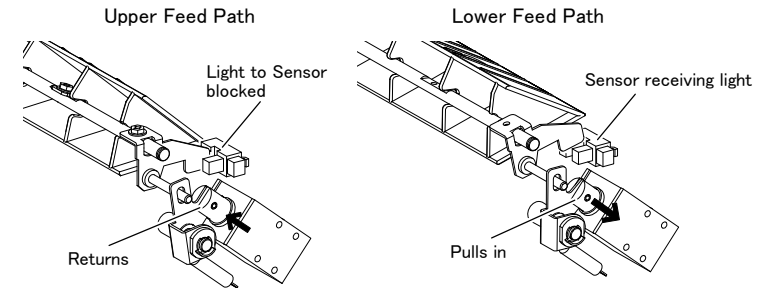
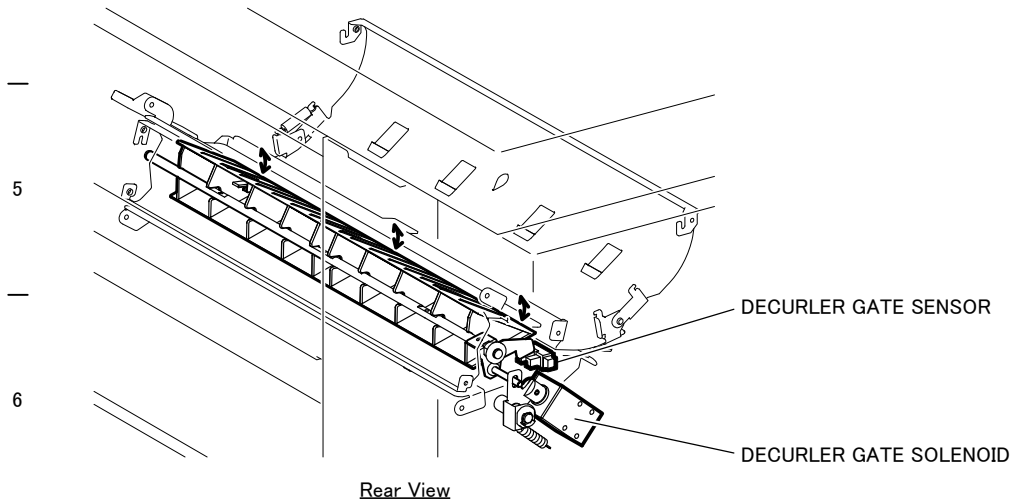
048-315

IFM/ICM Decurler Gate Sensor Off Jam

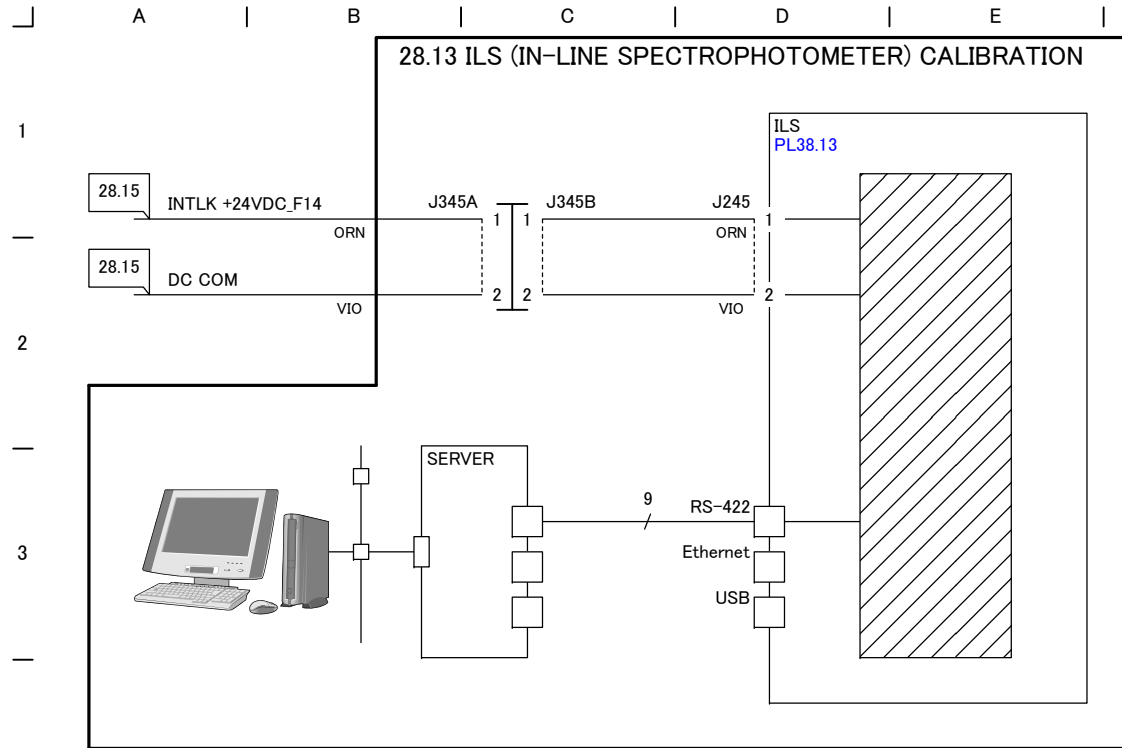


4 ELECTRICAL COMPONENTS

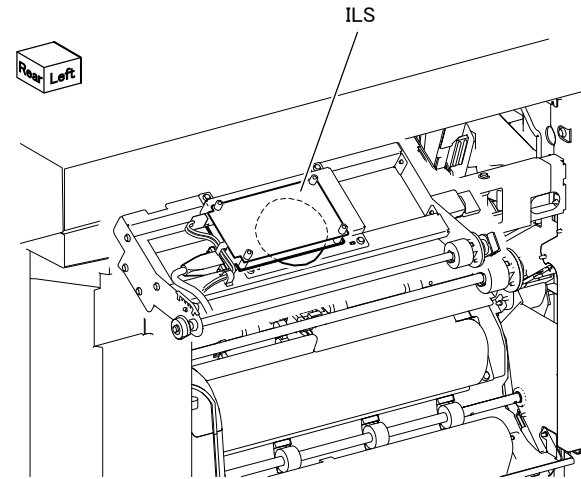
NOTE: 1 The following shows the relation between Decurler Gate Solenoid And Decurler Gate Sensor in switching the feed direction.



j0pr732812



ELECTRICAL COMPONENTS



1

2

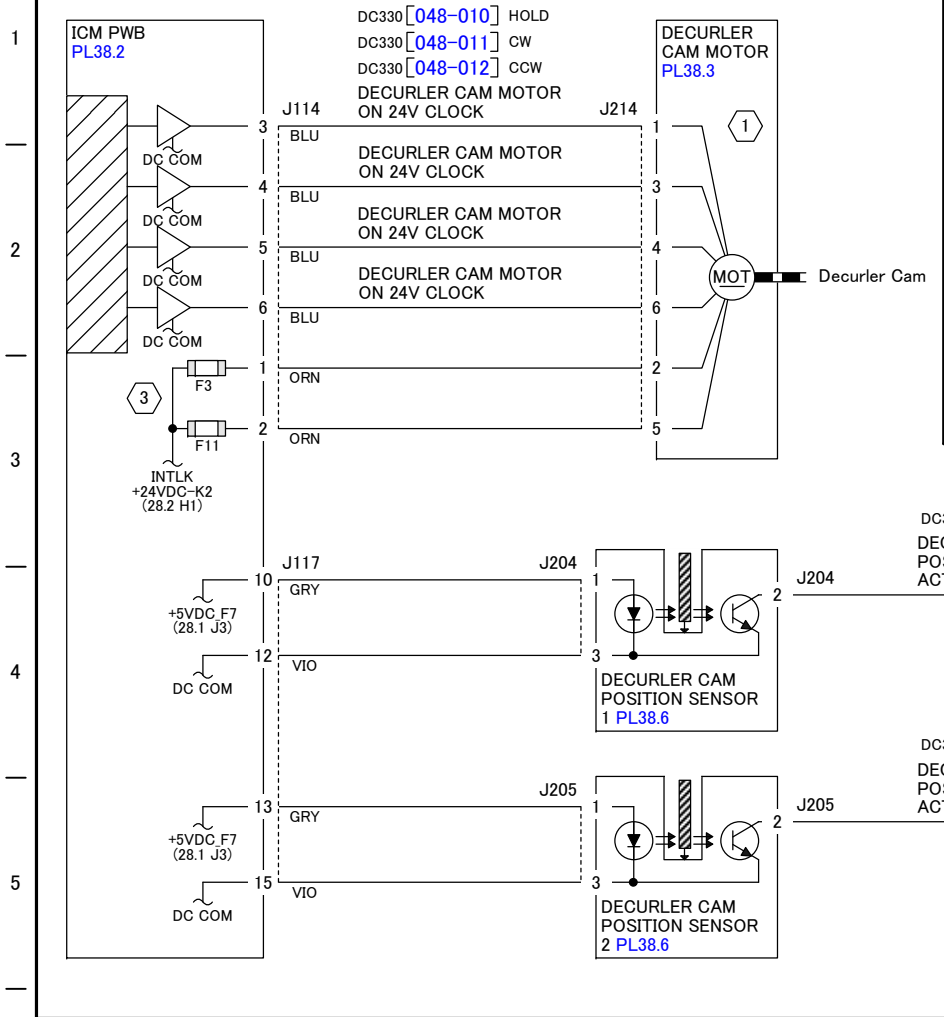
3

4

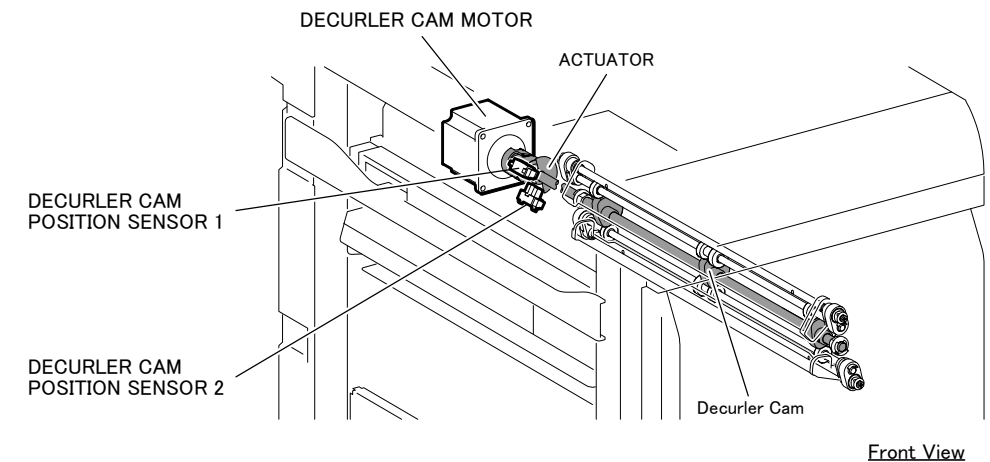
5

6

28.14 DECURLER CAM CONTROL



ELECTRICAL COMPONENTS



Front View

FAIL CODE

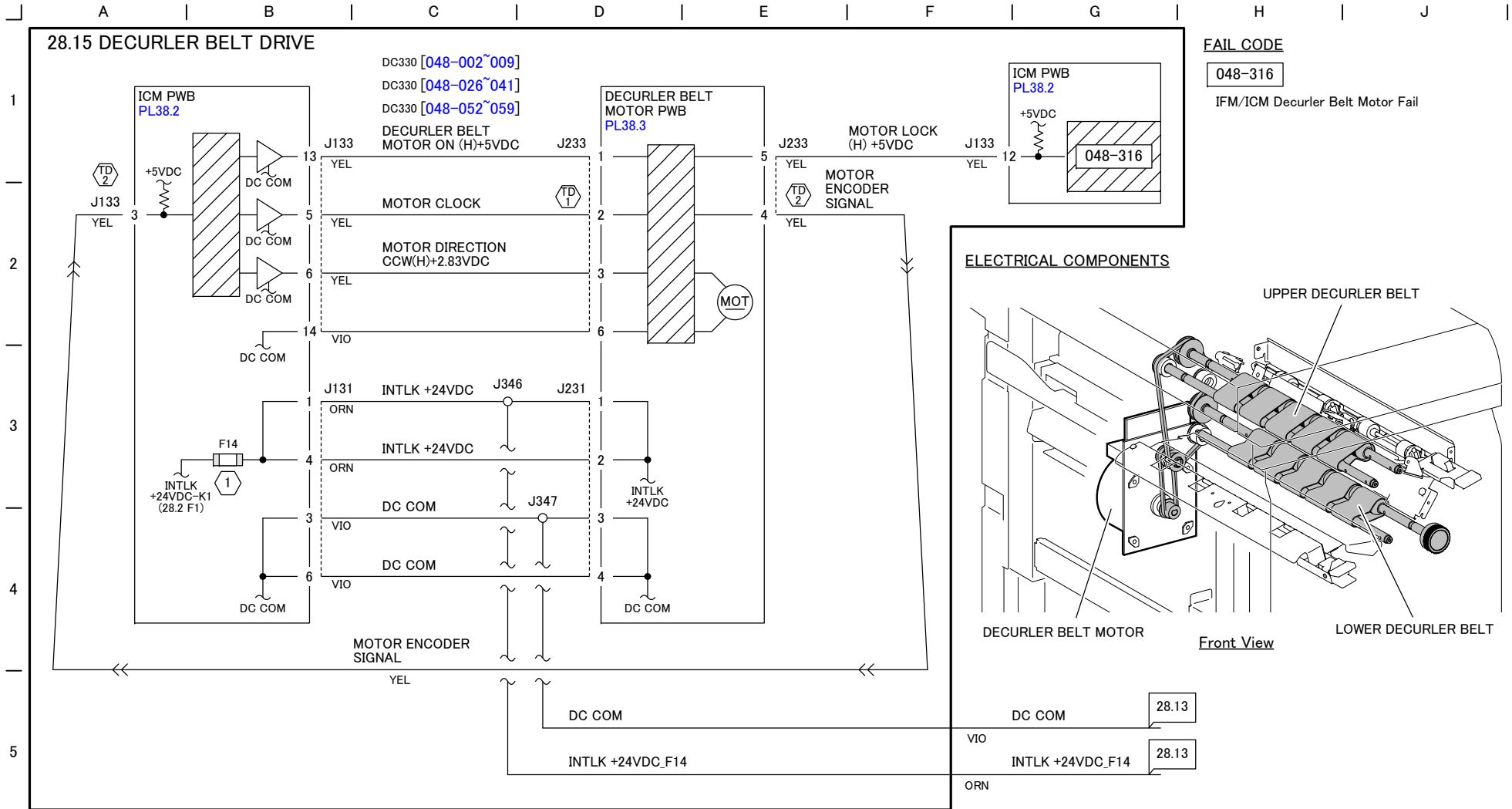
- 048-310**
IFM/ICM Decurler Cam Position Sensor 1 On Fail
- 048-311**
IFM/ICM Decurler Cam Position Sensor 1 Off Fail
- 048-312**
IFM/ICM Decurler Cam Position Sensor 2 On Fail
- 048-313**
IFM/ICM Decurler Cam Position Sensor 2 Off Fail

NOTE: 2 The table below shows the relation between Cam Position Sensor 1/2 Output and Penetration Amount.

Cam Position Sensor 1	Cam Position Sensor 2	Pen. Amount	
		Up	Down
ON	OFF	2	10
OFF	OFF	6	8
OFF	ON	10	2
ON	ON	8	6

NOTE: 1 The winding resistance of Decurler Cam Motor is $1.7\Omega \pm 10\%$ (25°C) at the following measurement points:
 J214-pin 2 to -pin 1/pin 3
 J214-pin 5 to -pin 4/pin 6

3 Chip Fuse



FAIL CODE

048-316

IFM/ICM Decurler Belt Motor Fail

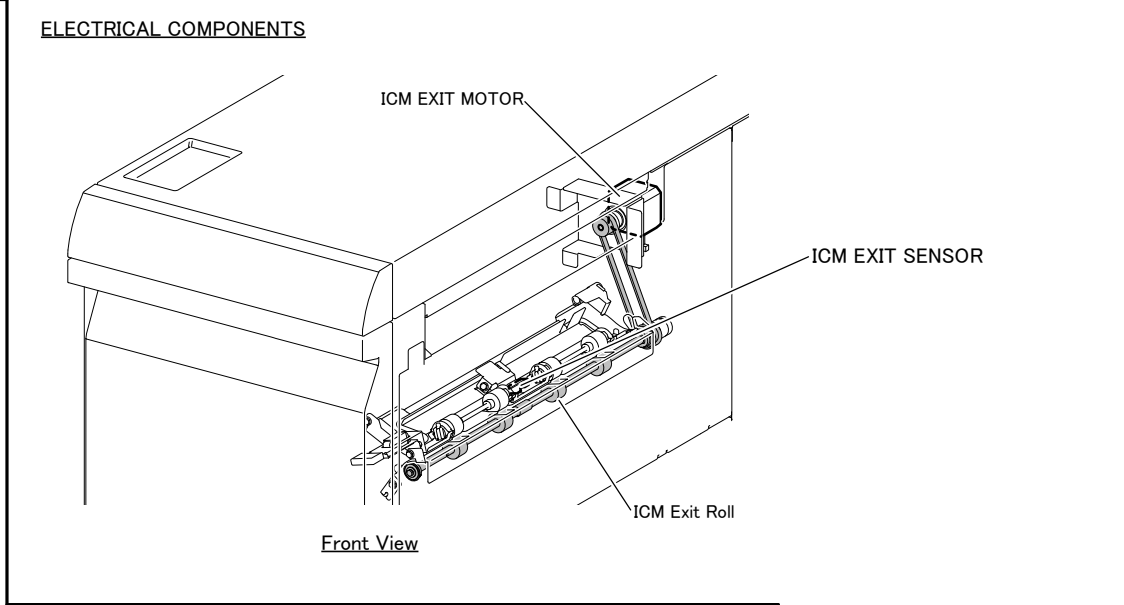
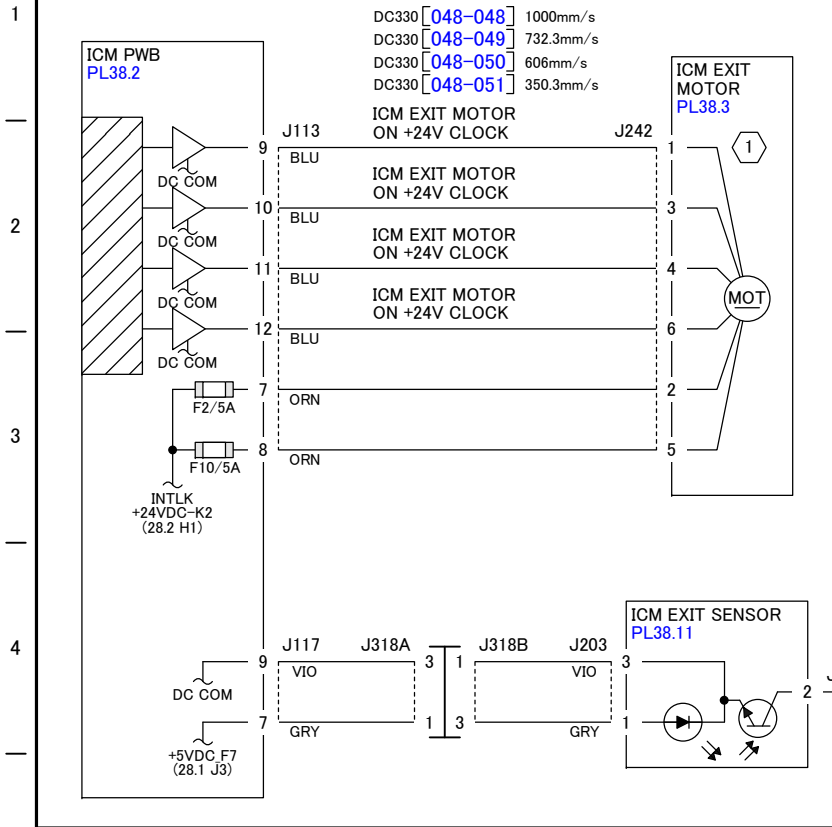
- Ⓣ₁ Test Point: Decurler Belt Motor PWB J233-2 (+) to GND (-)
When DC330[048-002] turns ON, approx. +2.84VDC to +1.41VDC.
- Ⓣ₂ Test Point: Decurler Belt Motor PWB J233-4 (+) to GND (-)
When DC330[048-002] turns ON, approx. +5VDC to +2.53VDC.

NOTE:

- ① Chip Fuse

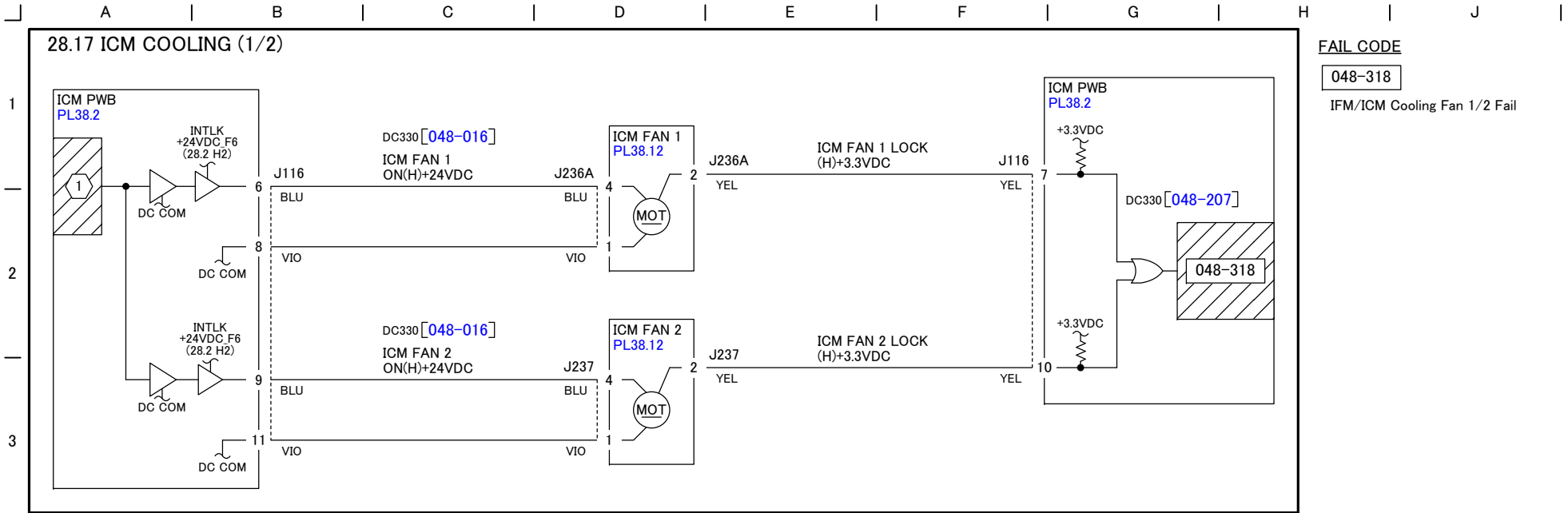
28.16 ICM EXIT TRANSPORTATION

ELECTRICAL COMPONENTS



NOTE: ① The winding resistance of ICM Exit Motor is $2\Omega \pm 10\%$ (25°C) at the following measurement points:
 J242-pin 2 to -pin 1 / pin 3
 J242-pin 5 to -pin 4 / pin 6

- FAIL CODE**
- 048-102 IFM/ICM Exit Sensor On Jam
 - 048-901 IFM/ICM Exit Sensor Static Jam



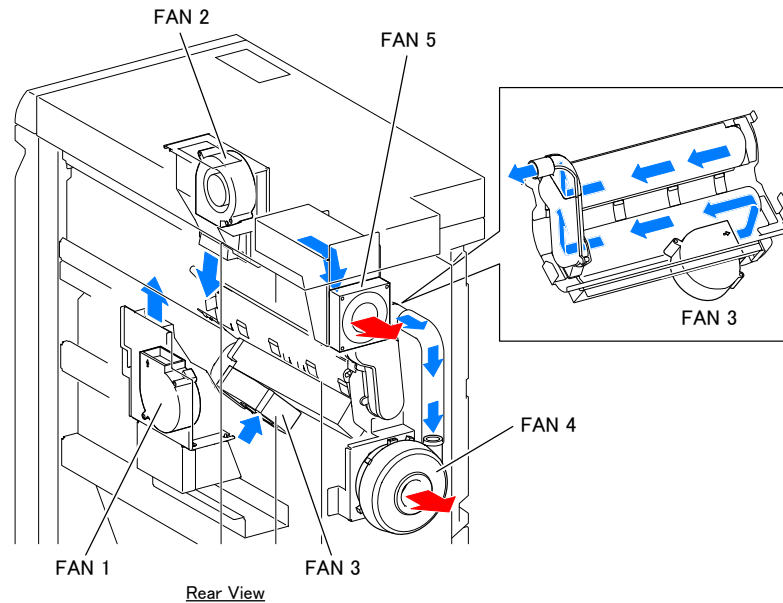
FAIL CODE

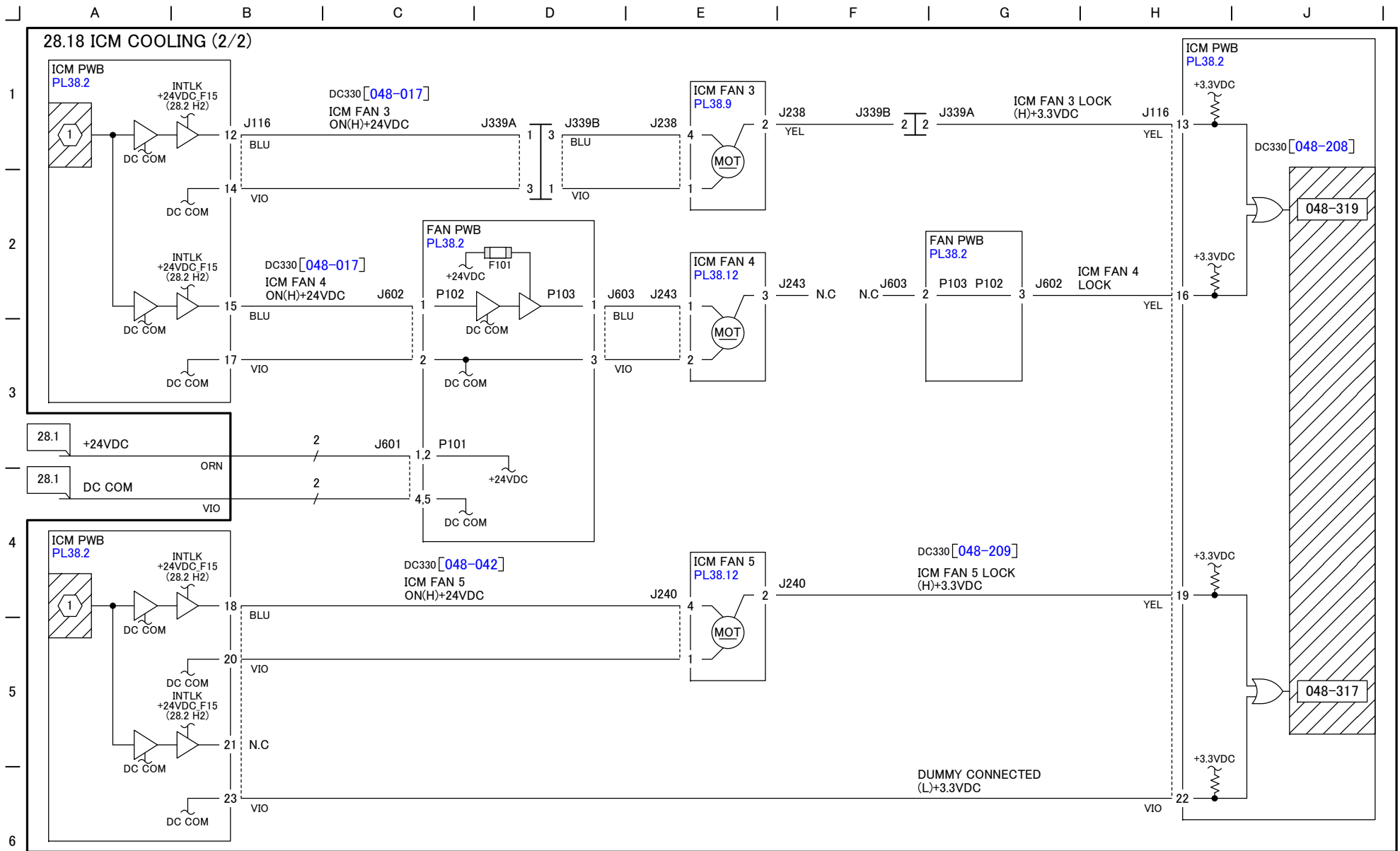
048-318

IFM/ICM Cooling Fan 1/2 Fail

NOTE: ① Each fan turns ON and OFF at the following timings:
ON: 700ms after ICM Transport Motor turns ON
OFF: 30ms after ICM Exit Sensor turns OFF

ELECTRICAL COMPONENTS & AIR FLOW





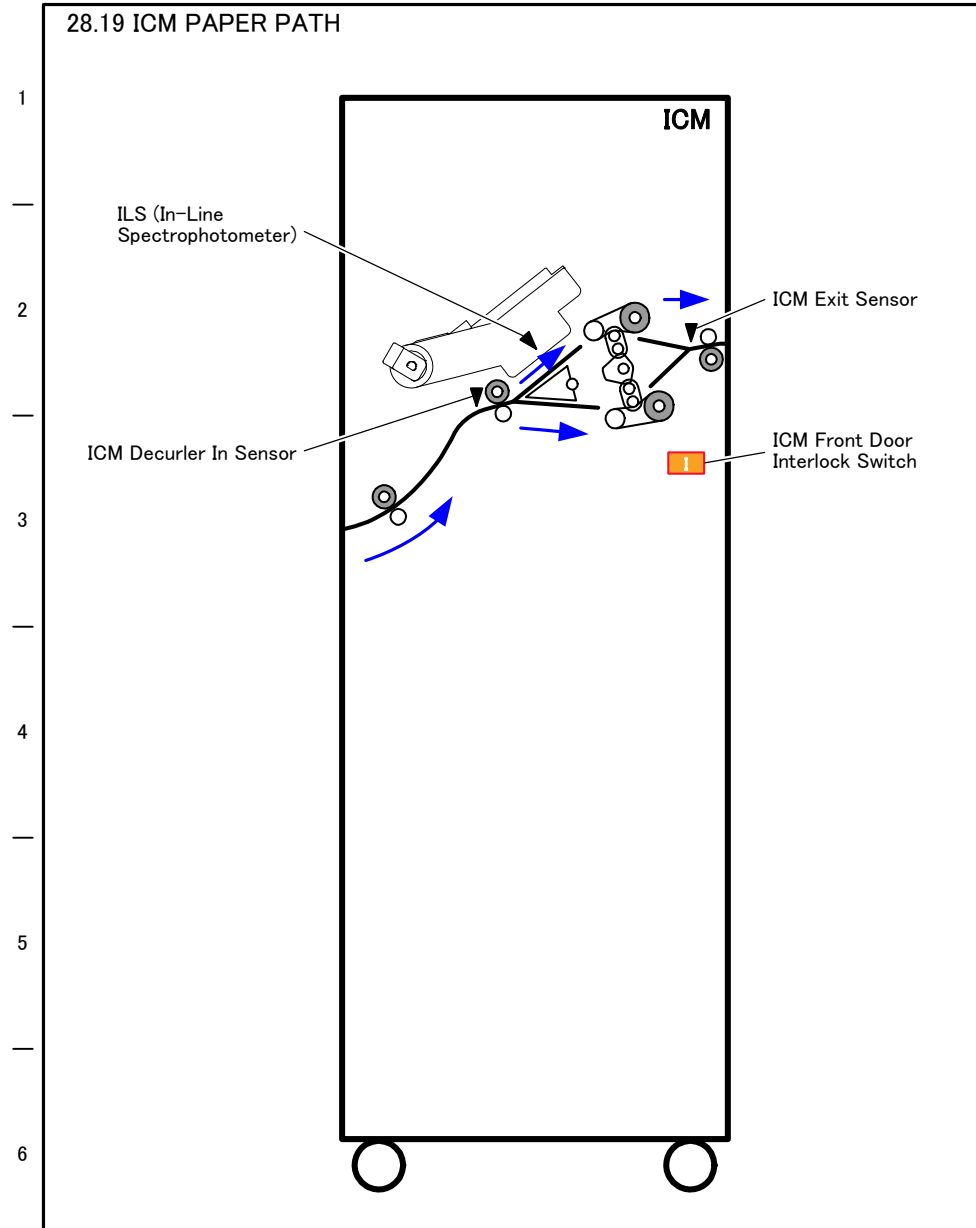
FAIL CODE

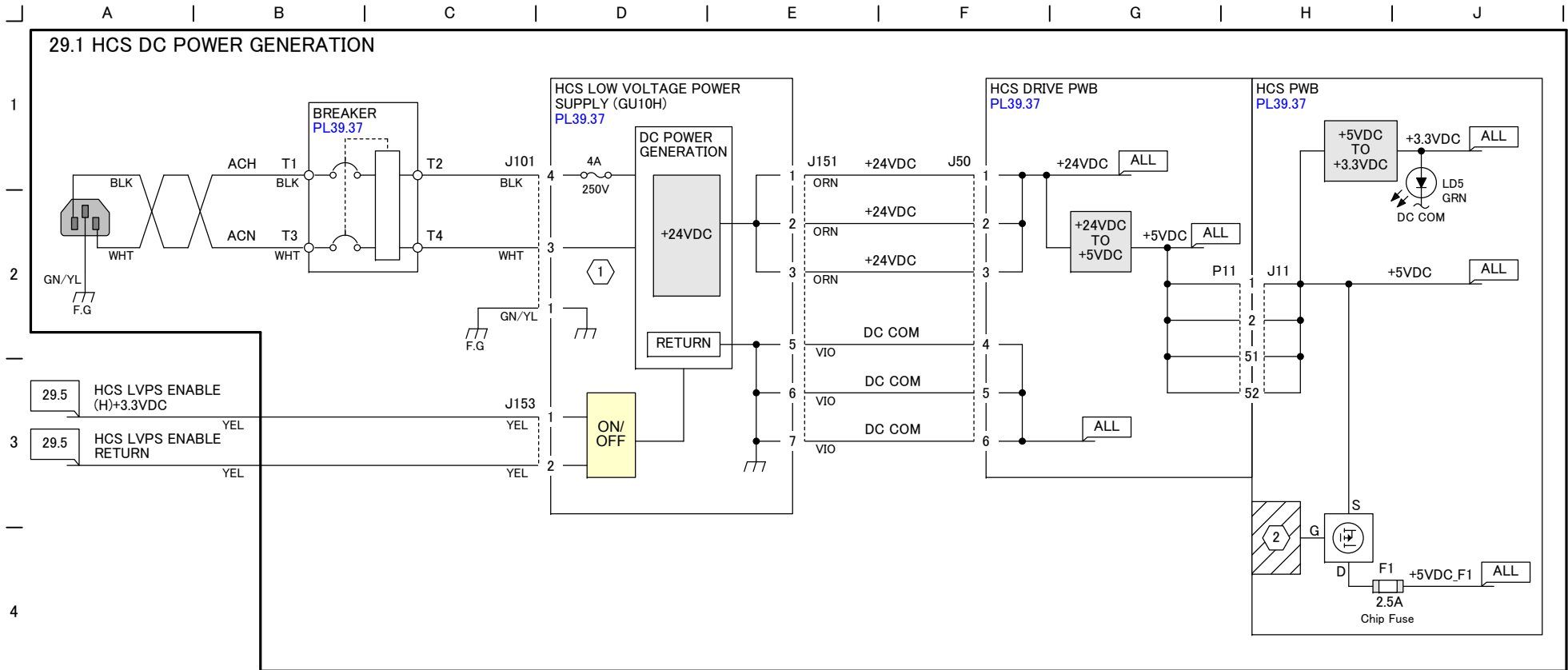
048-317 IFM/ICM Cooling Fan 5 Fail

048-319 IFM/ICM Cooling Fan 3/4 Fail

j0pr732818

A | B | C | D | E | F | G | H | J |

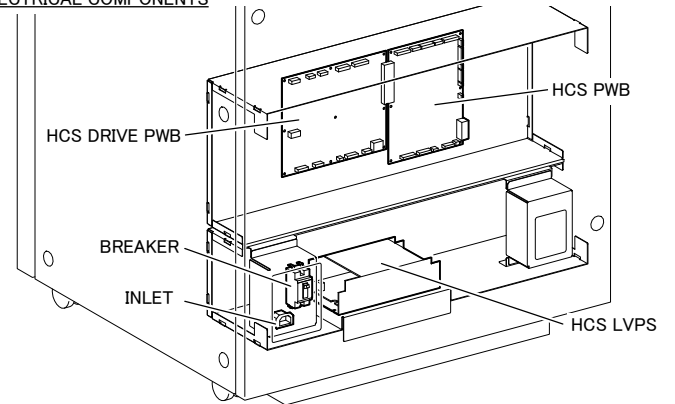




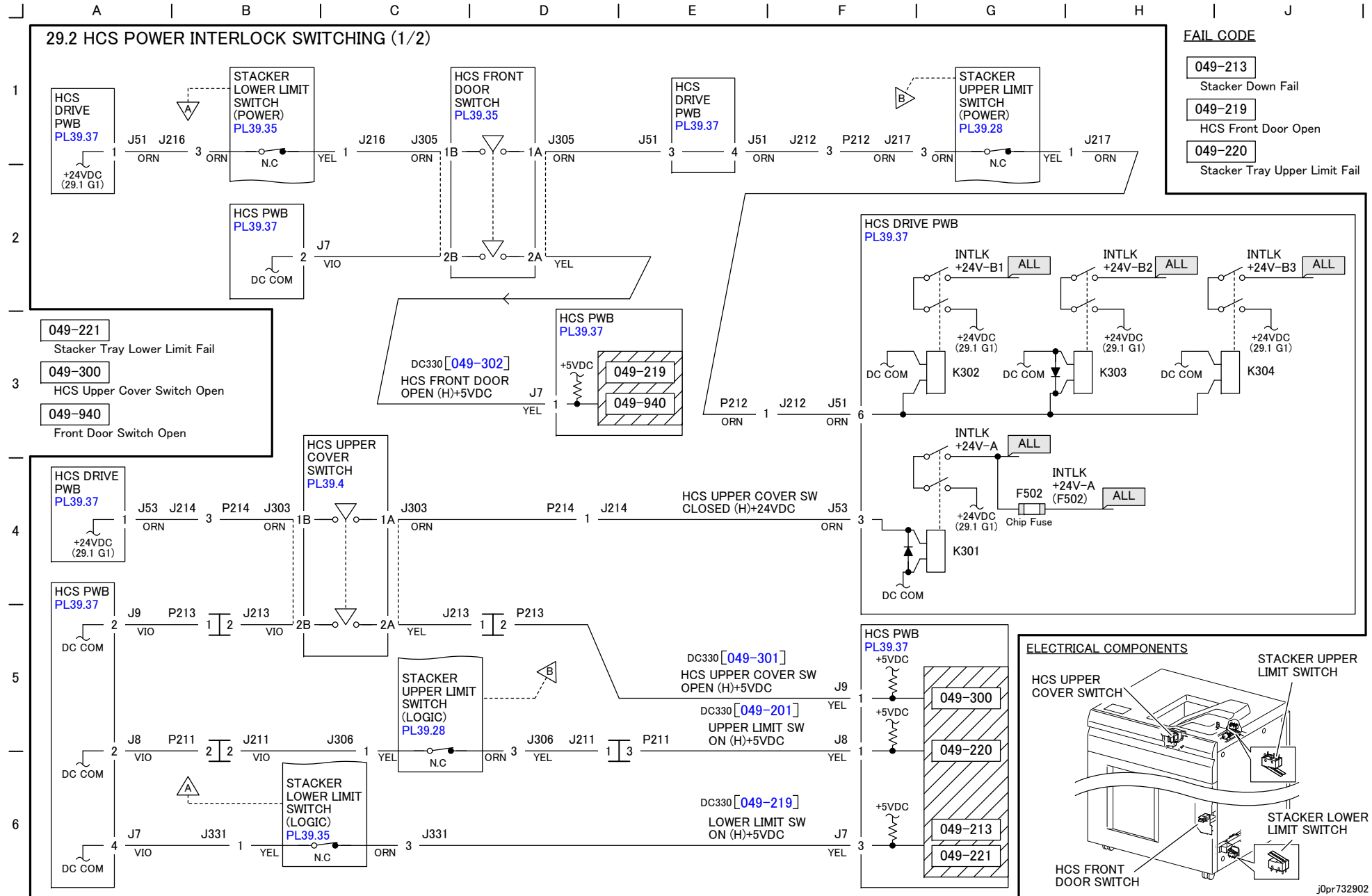
NOTE:

- ① •Rated input voltage
100-240VAC
- Rated input frequency
50-60Hz
- Short Protection (Over-current Protection)
If +24VDC output is shorted, it is stopped.
To restore it, repair the short circuit, power off, allow 15 sec., then power on.
- Over-voltage Protection
If the output voltage reaches +26.7 to +32VDC, all the outputs are cut off.
To restore them, clear the over-voltage protection operation that was performed due to the damaged or broken LVPS, power off, allow 15 sec and then power on.
- ② This +5VDC is always ON when M/C is on.

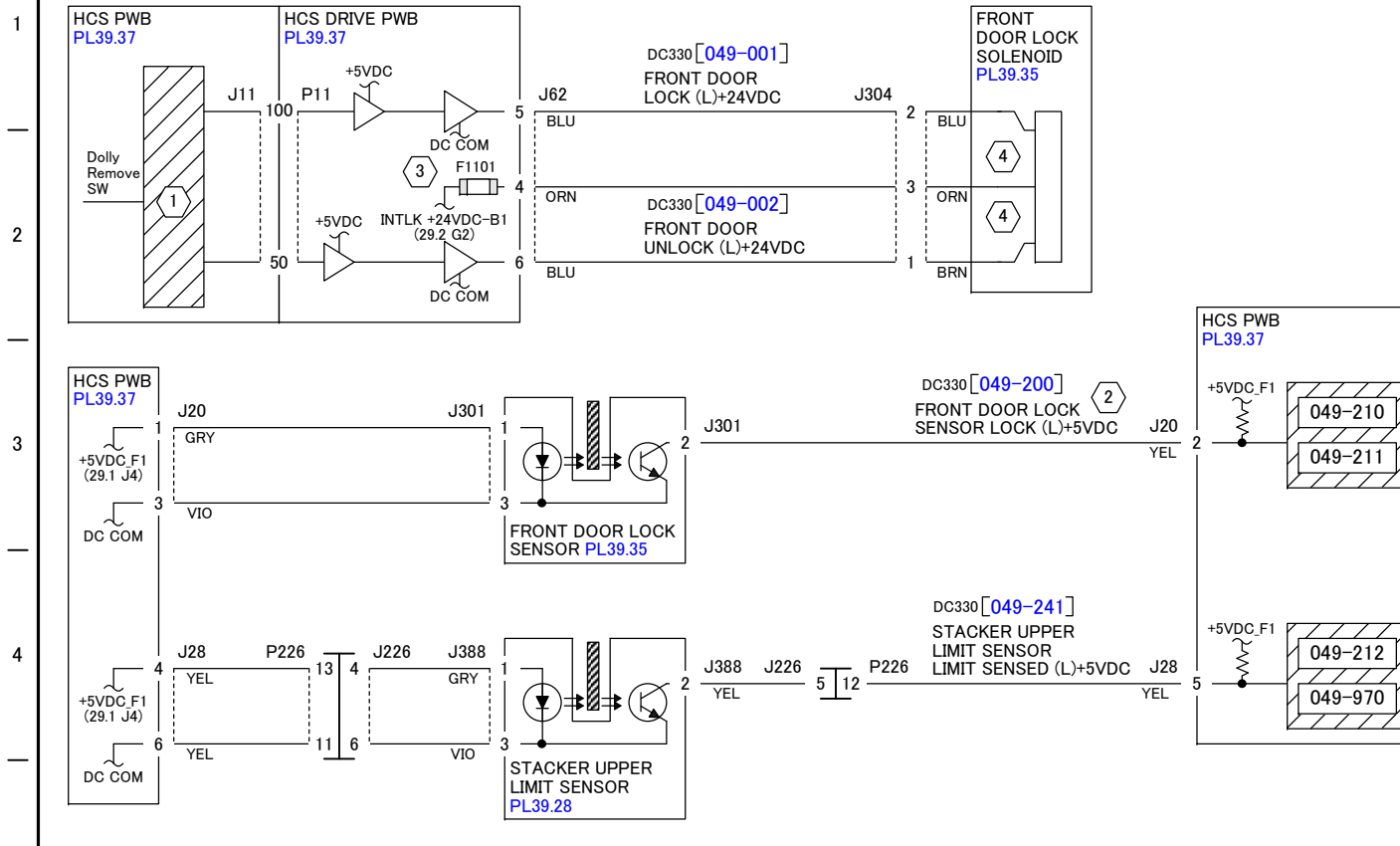
ELECTRICAL COMPONENTS



j0pr732901



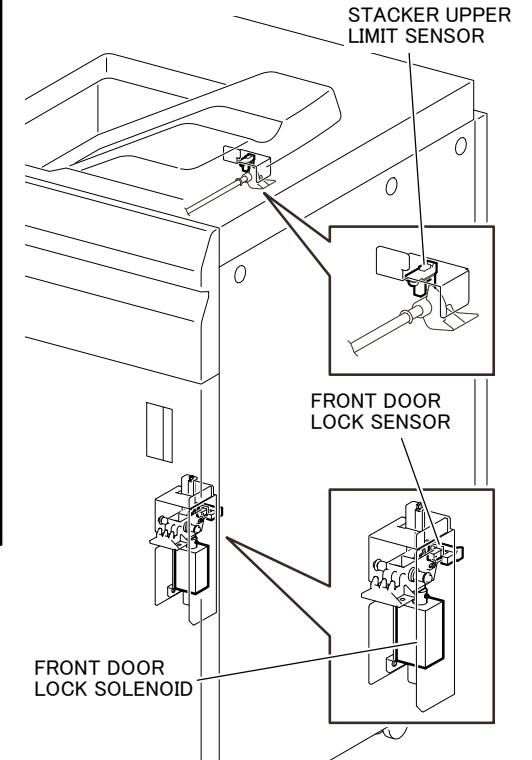
29.3 HCS POWER INTERLOCK SWITCHING (2/2)



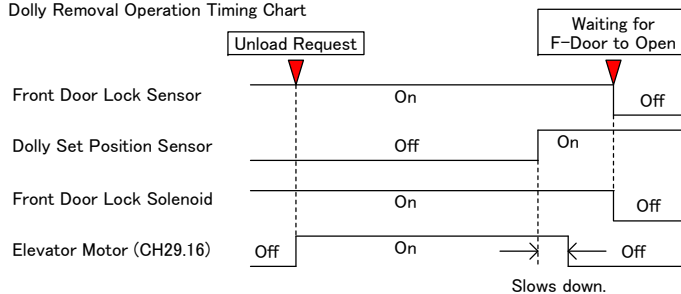
FAIL CODE

- 049-210 Front Door Lock Sensor On Fail
- 049-211 Front Door Lock Sensor Off Fail
- 049-212 Stacker Up Fail
- 049-970 Stacker Upper Limit Fail

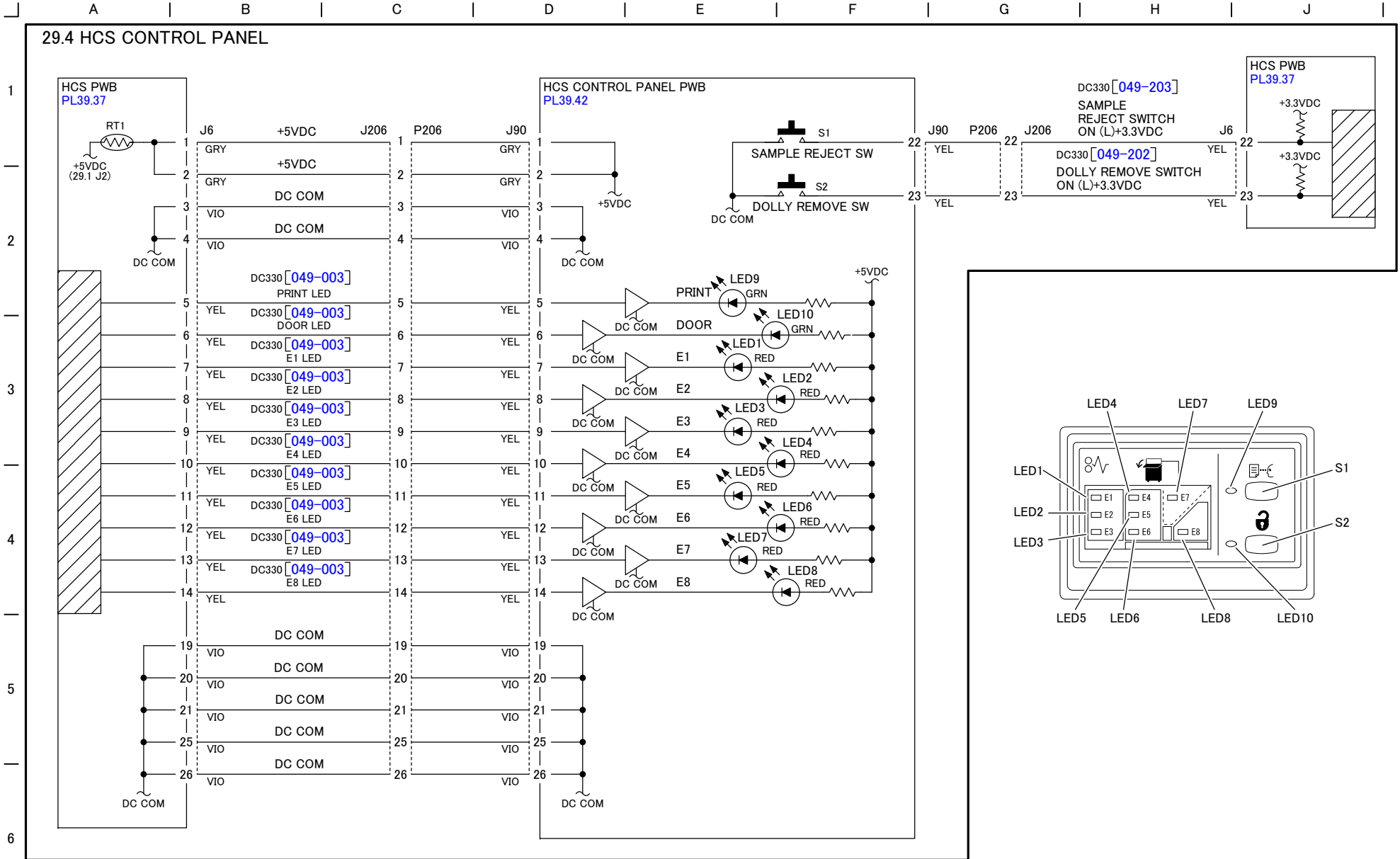
ELECTRICAL COMPONENTS



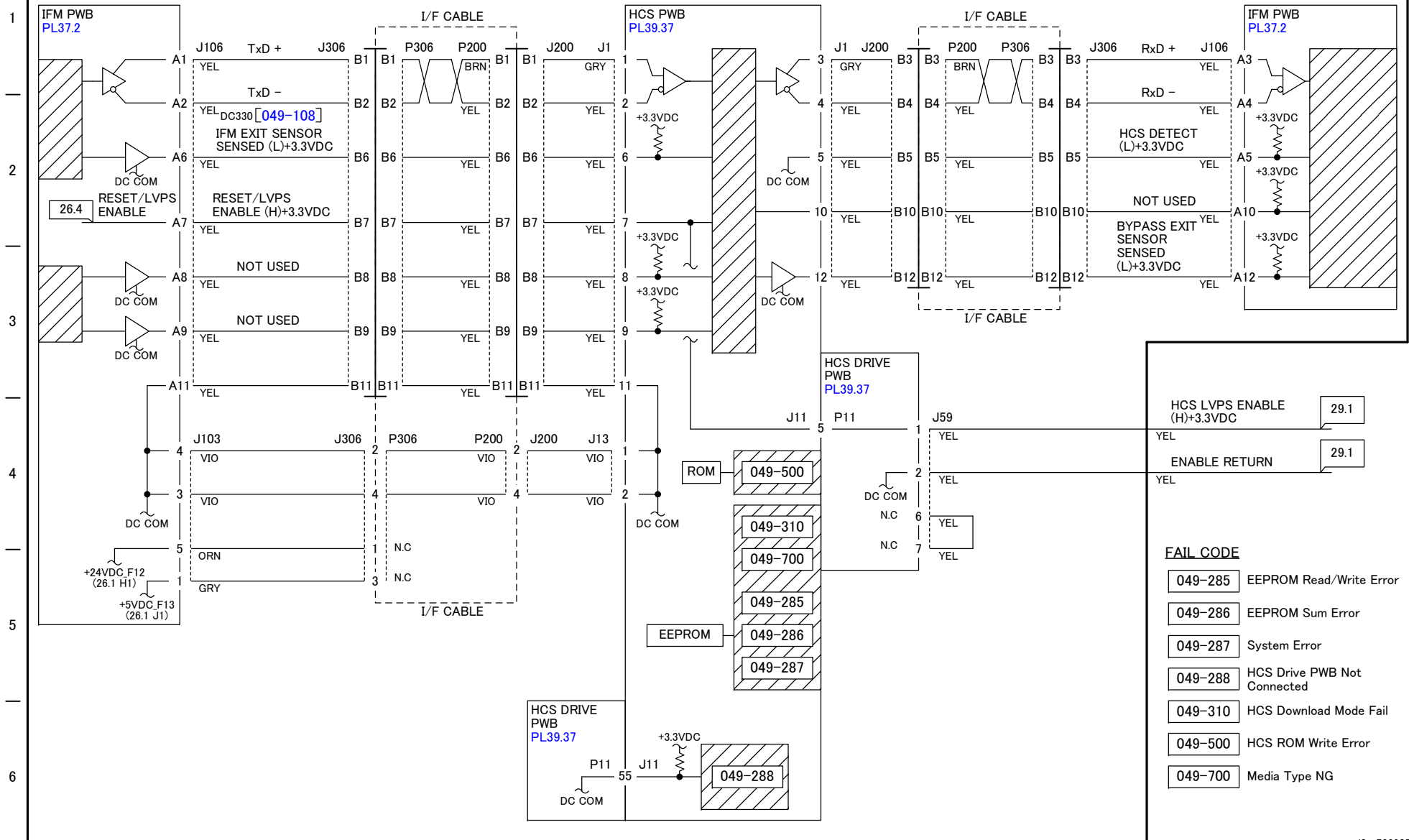
NOTE: ① Dolly Removal Operation Timing Chart



- ② Lock : Light blocked. (L)
Unlock : Light received. (H)
- ③ Chip Fuse
- ④ The coil resistance is $30\Omega \pm 10\%$.

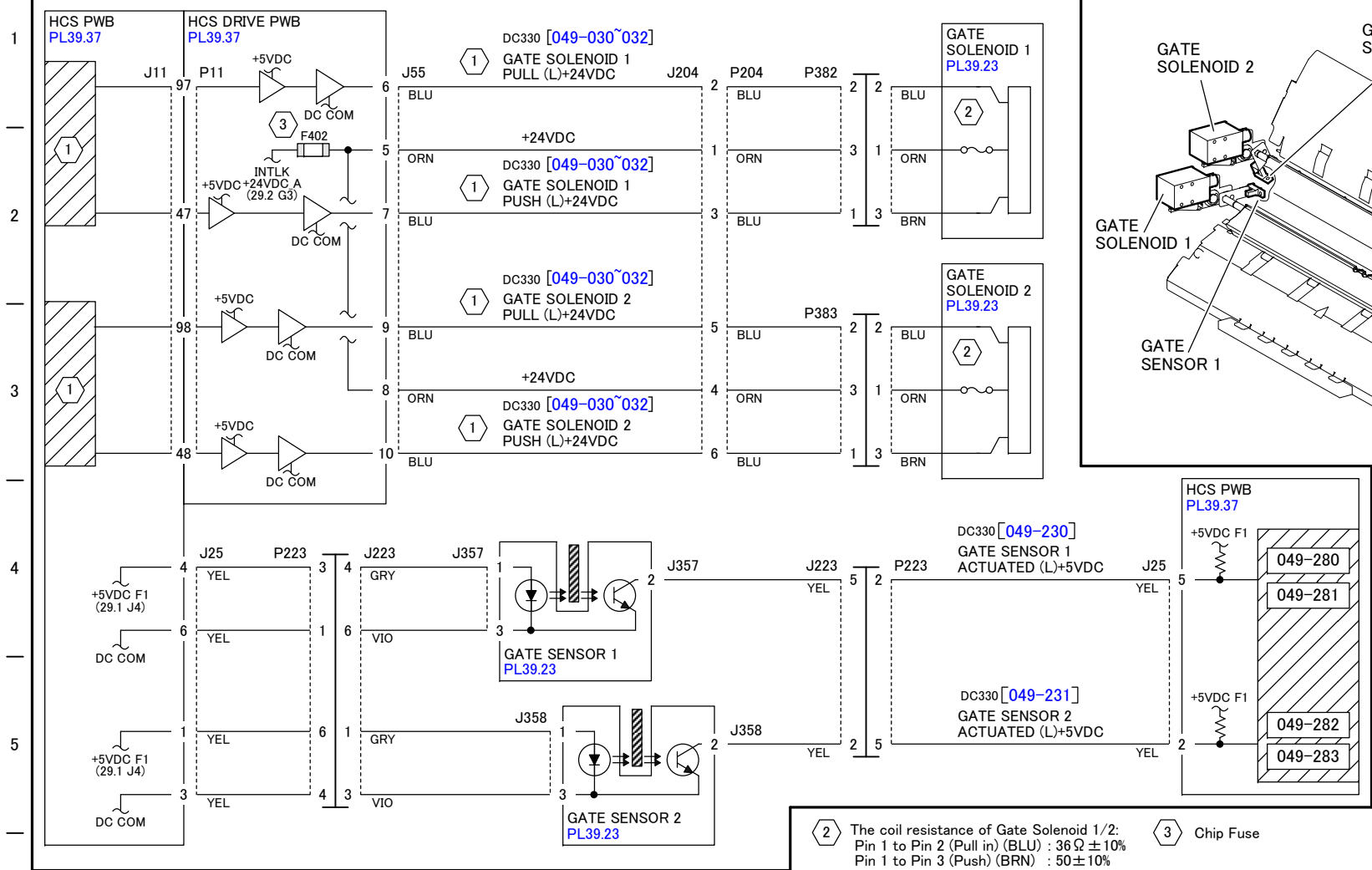


29.5 IFM-HCS PWB COMMUNICATION

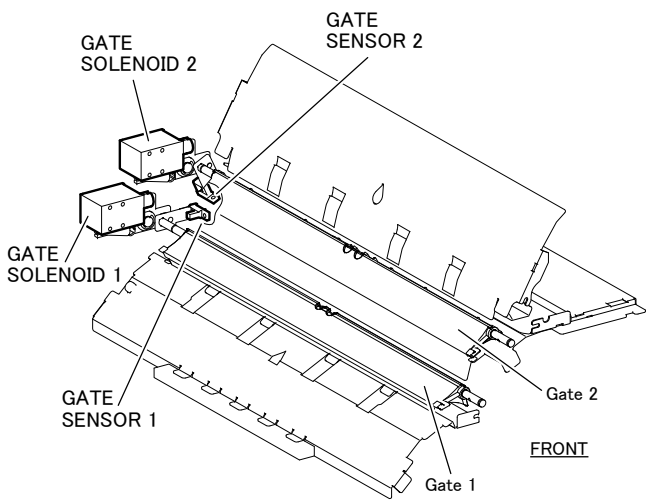


j0pr732905

29.7 TOP/BYPASS/STACKER GATE CONTROL



ELECTRICAL COMPONENTS



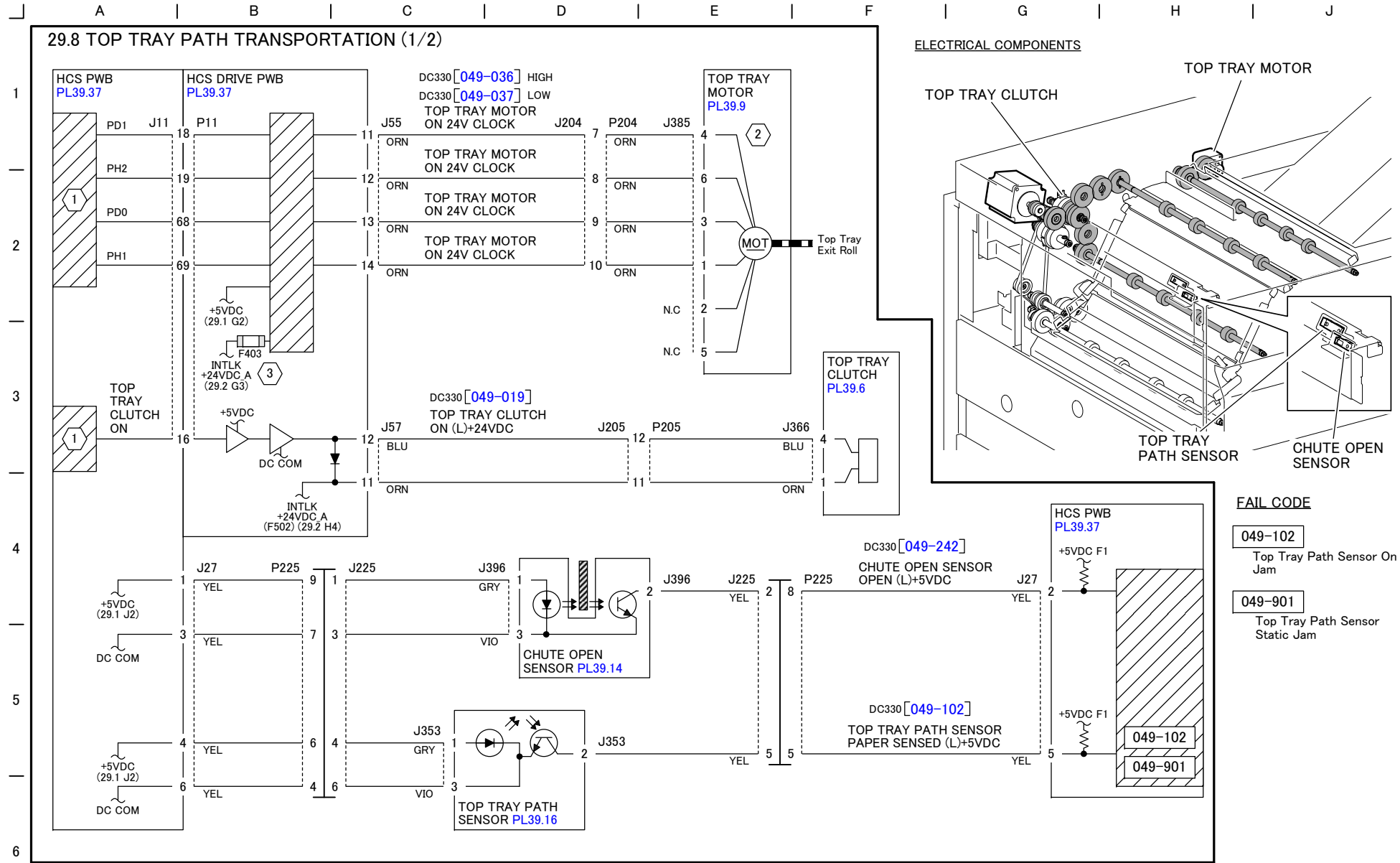
- ### FAIL CODE
- 049-280 Gate Sensor 1 Fail 1
 - 049-281 Gate Sensor 1 Fail 2
 - 049-282 Gate Sensor 2 Fail 1
 - 049-283 Gate Sensor 2 Fail 2

NOTE: 1 At output to Top Tray/Bypass Tray/Stacker Tray, Gate Solenoids 1 & 2 and Gate Sensors 1 & 2 operate as follows:

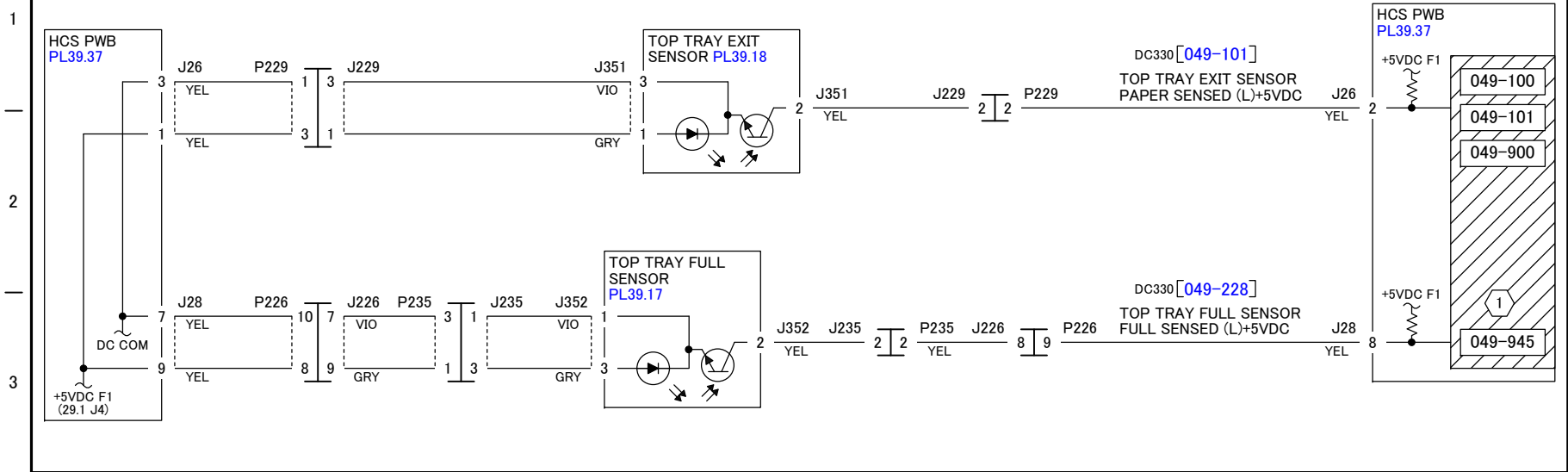
DC330	Output Tray	Gate Solenoid 1	Gate Solenoid 2	Gate Sensor 1	Gate Sensor 2
049-030	Top	Pull	Pull	H (light received)	H (light received)
049-031	Stacker	Push	Pull	L (light blocked)	H (light received)
049-032	Bypass	Pull	Push	H (light received)	L (light blocked)

2 The coil resistance of Gate Solenoid 1/2: Pin 1 to Pin 2 (Pull in) (BLU) : $36\ \Omega \pm 10\%$
Pin 1 to Pin 3 (Push) (BRN) : $50 \pm 10\%$

3 Chip Fuse



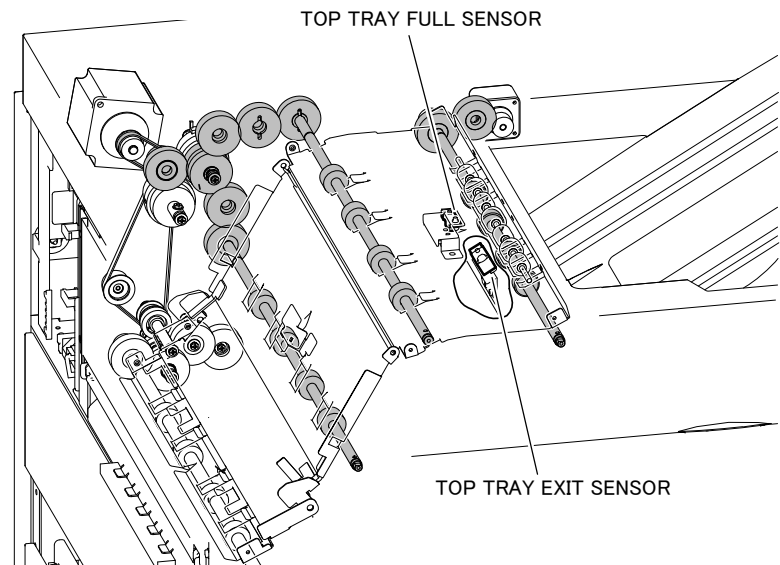
29.9 TOP TRAY PATH TRANSPORTATION (2/2)



NOTE:

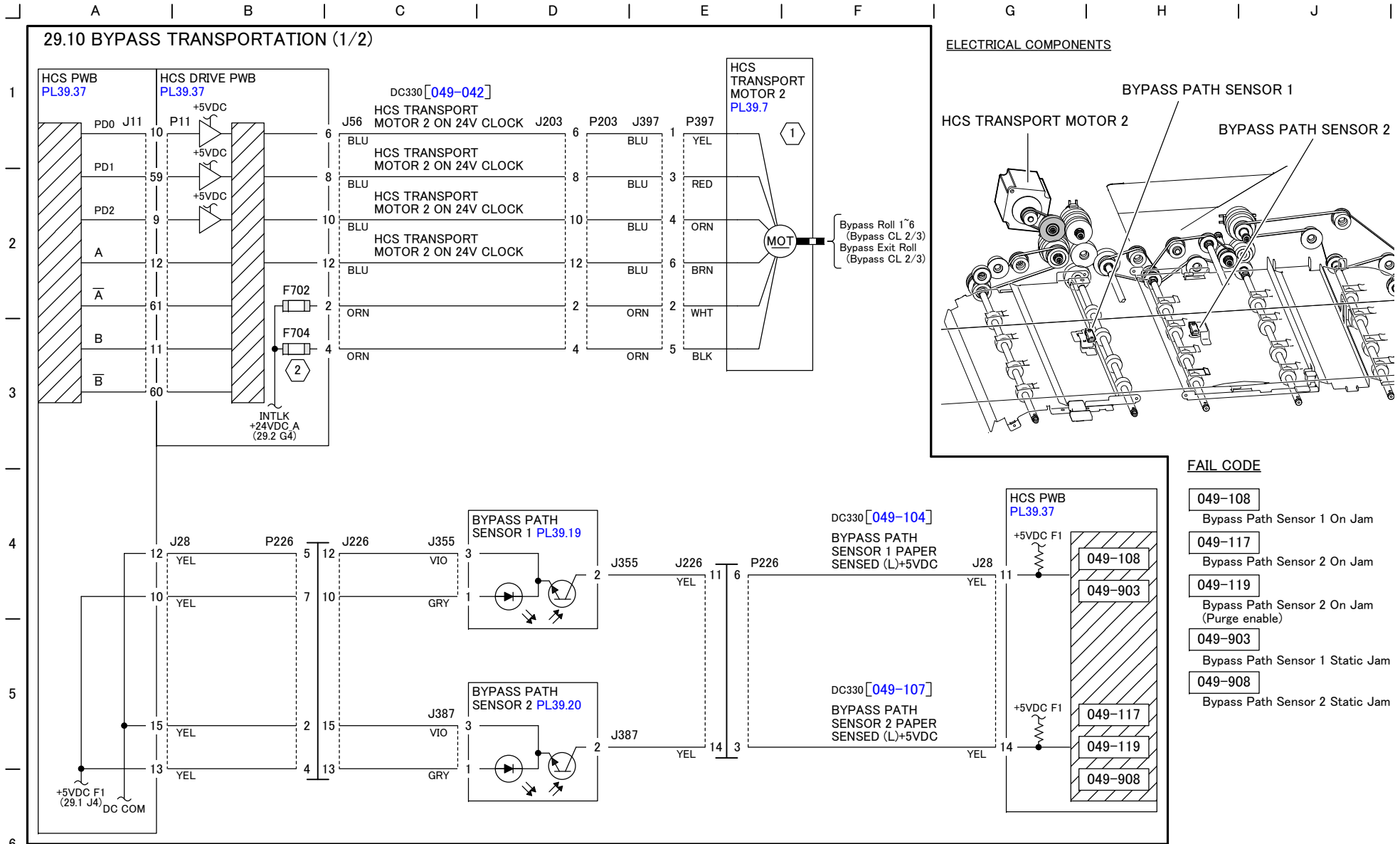
1 When Top Tray Full Sensor is ON for 10 consecutive seconds, Top Tray Full will be declared. When it is OFF for 2 consecutive seconds, Top Tray Full will be cleared.

ELECTRICAL COMPONENTS



FAIL CODE

- 049-100 Top Tray Exit Sensor On Jam
- 049-101 Top Tray Exit Sensor Off Jam
- 049-900 Top Tray Exit Sensor Static Jam
- 049-945 Top Tray Full

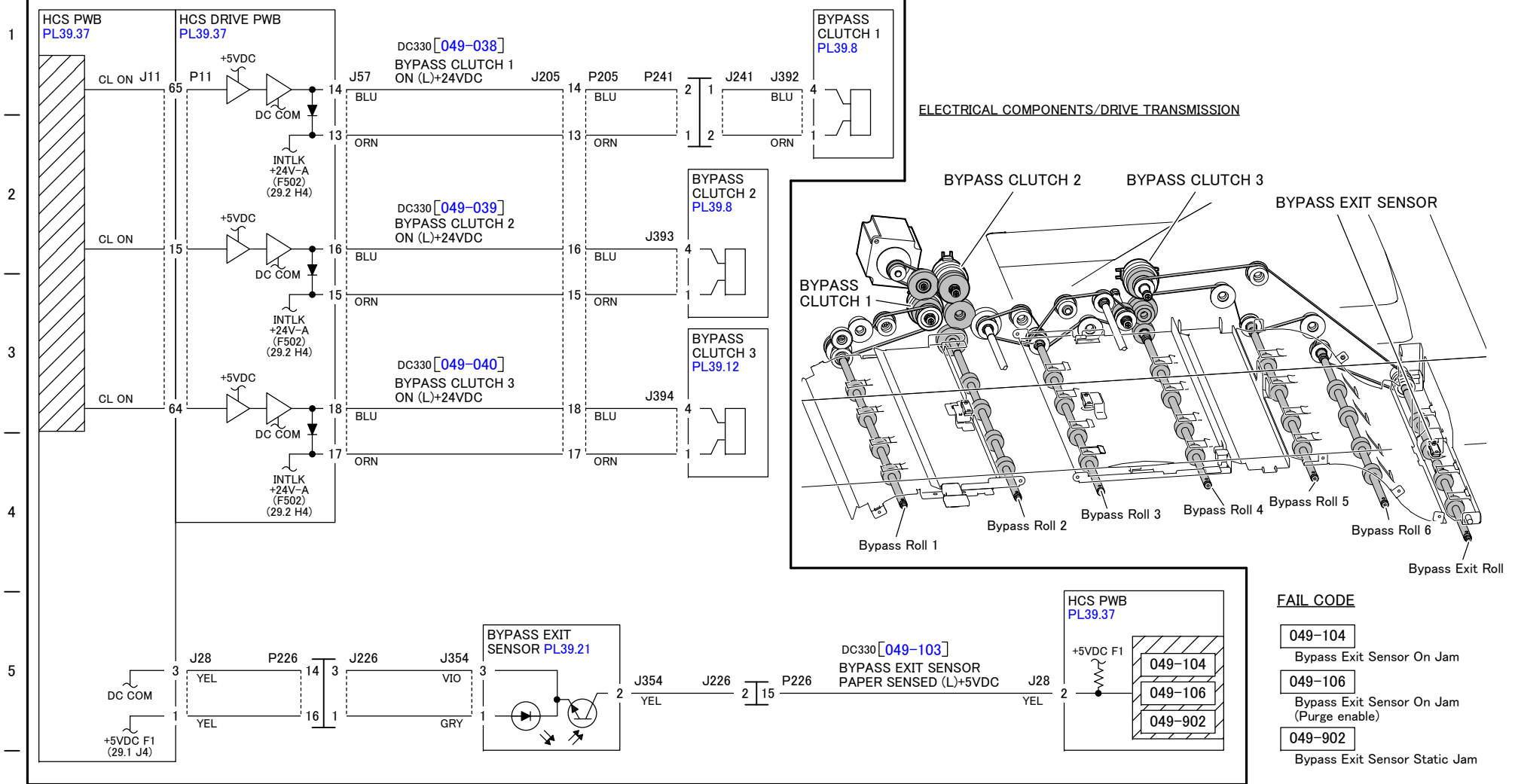


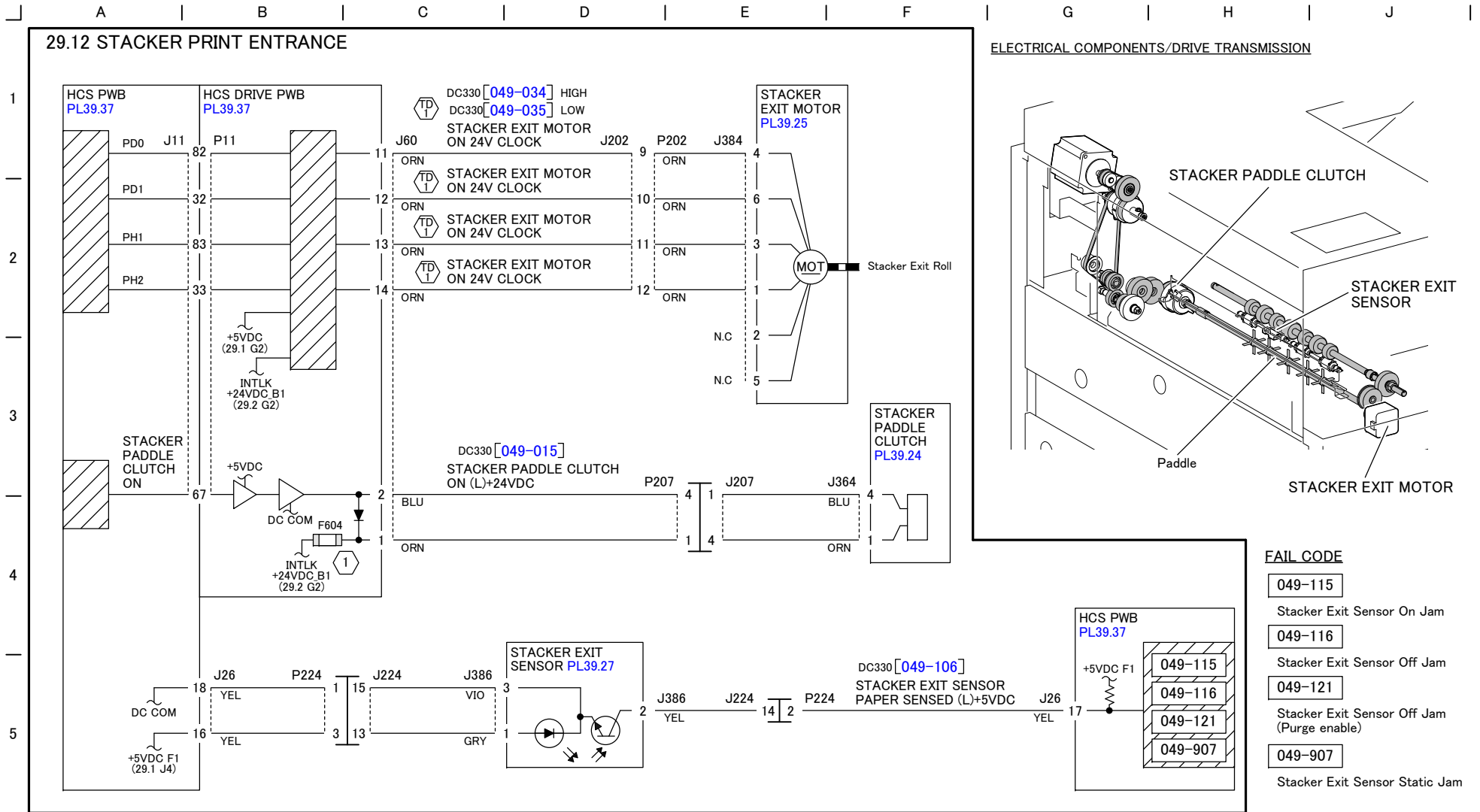
NOTE: 1 The winding resistance of HCS Transport Motor 2 is $0.8\Omega \pm 15\%$ (25°C) at the following measurement points:
P397-2 to -1/3
P397-5 to -4/6

2 Chip Fuse

A | B | C | D | E | F | G | H | J

29.11 BYPASS TRANSPORTATION (2/2)

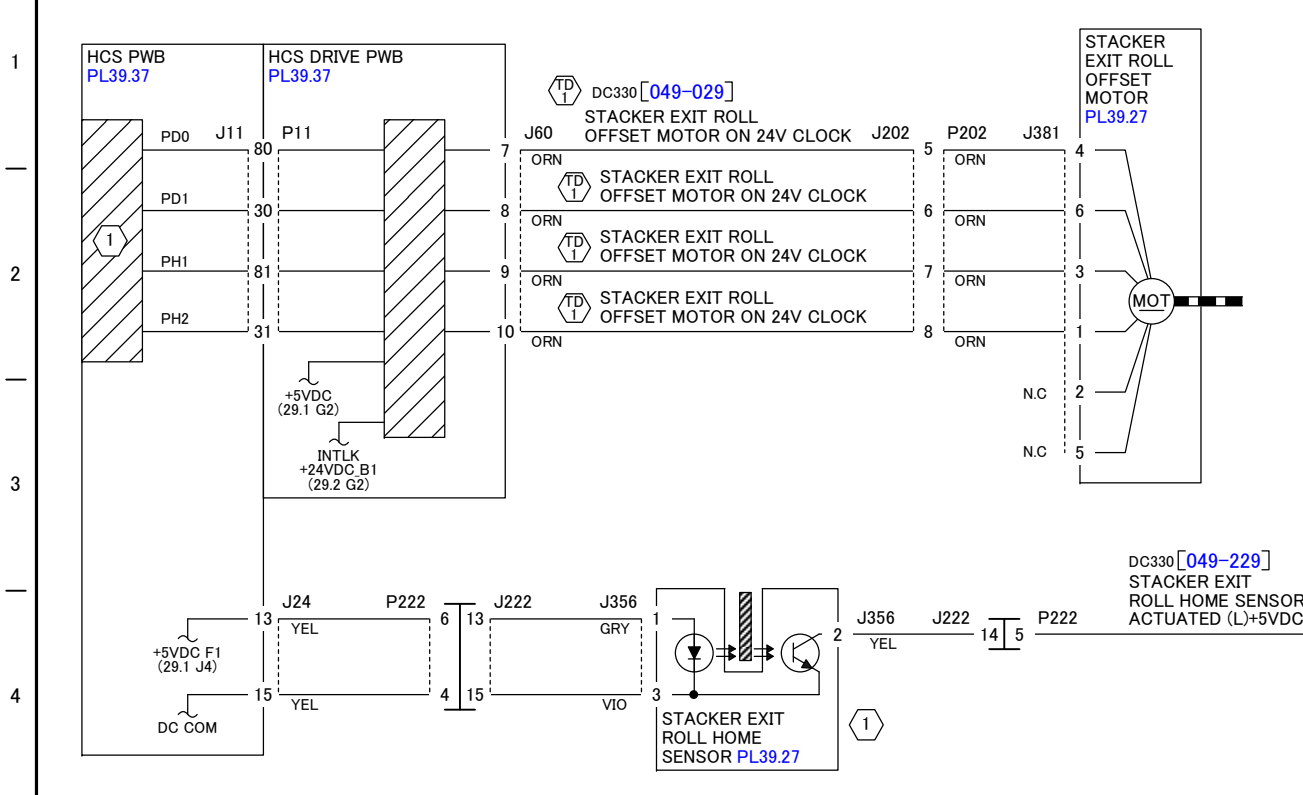




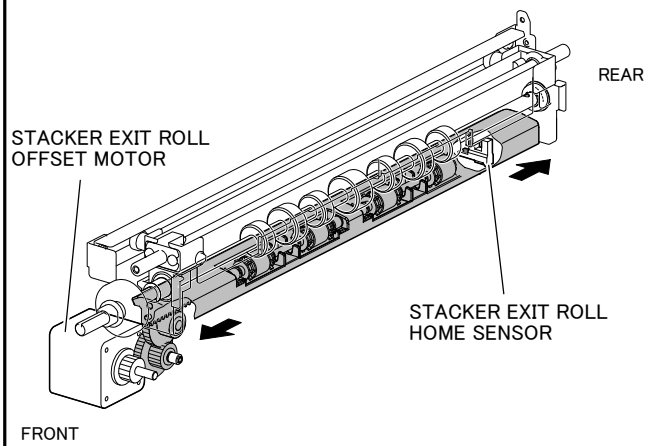
TD The winding resistance of Stacker Exit Motor is approx. 5Ω at the following measurement points:
 J60-11 to J60-12
 J60-13 to J60-14

NOTE: **1** Chip Fuse

29.13 STACKER PRINT OFFSET (1/3)



ELECTRICAL COMPONENTS

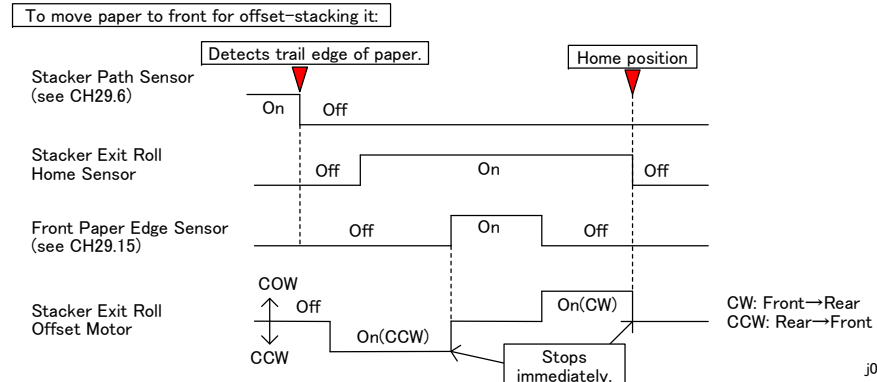
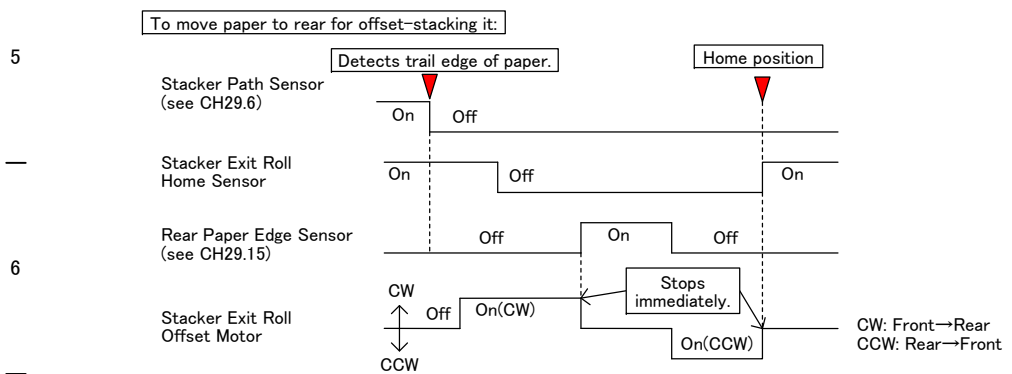


FAIL CODE

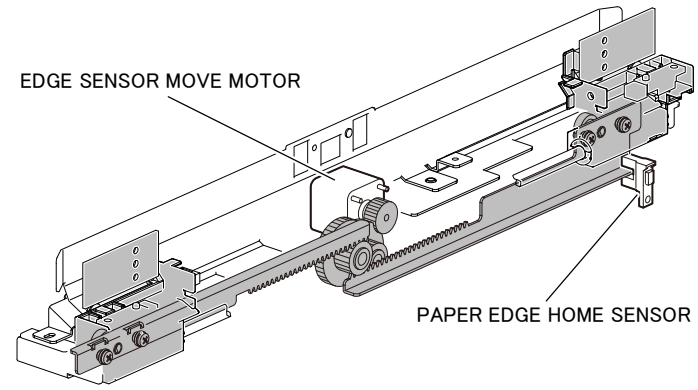
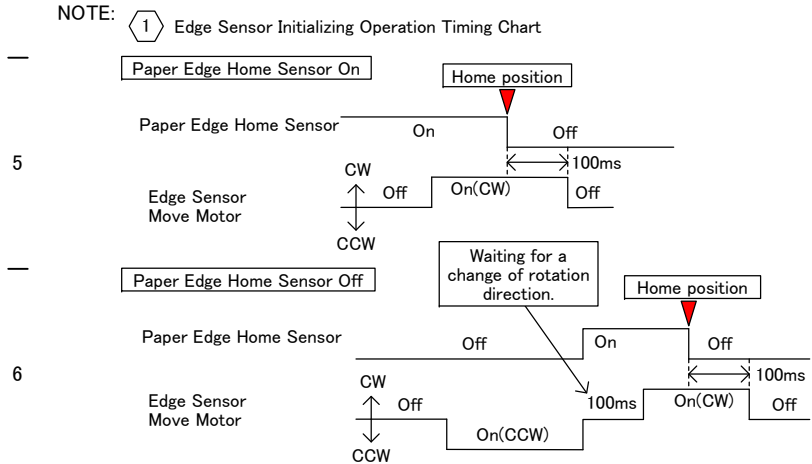
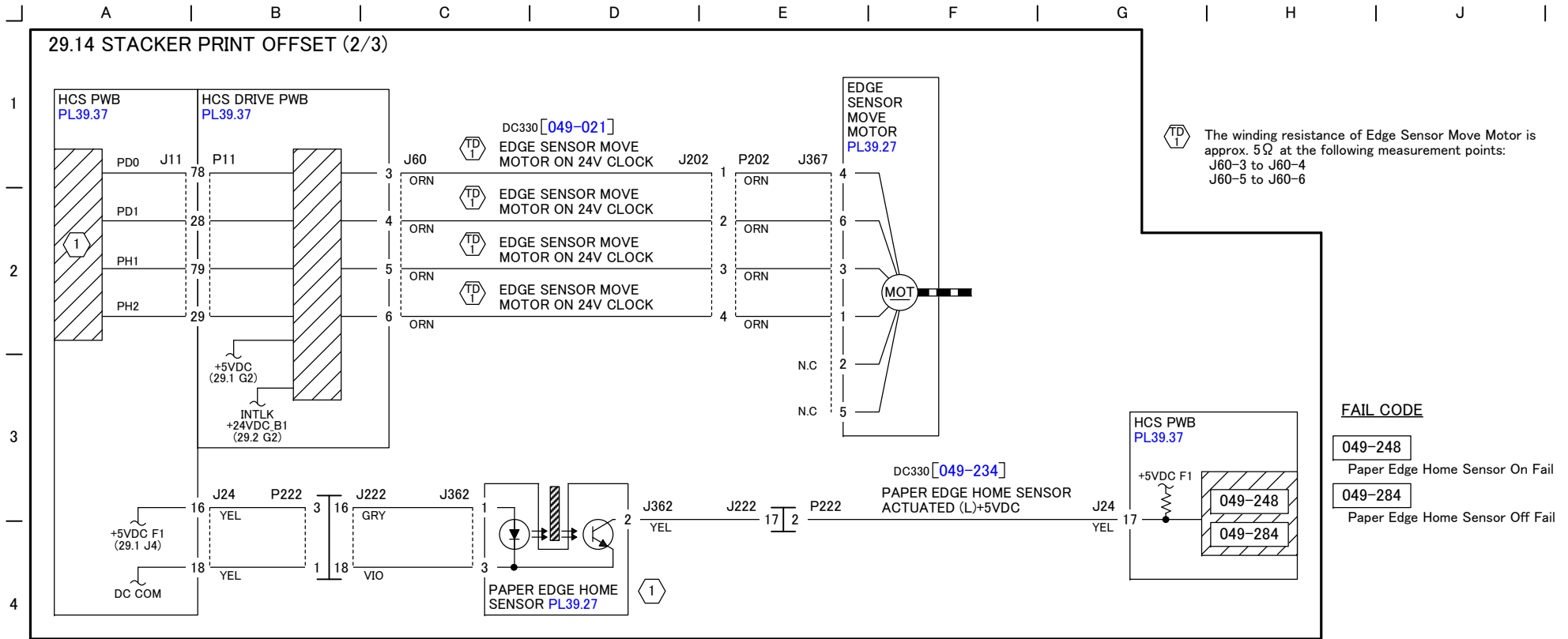
- 049-242**
Stacker Exit Roll Home Sensor On Fail
- 049-243**
Stacker Exit Roll Home Sensor Off Fail

1 The winding resistance of Stacker Exit Roll Offset Motor is approx. 5.3Ω at the following measurement points:
 J60-7 to J60-8
 J60-9 to J60-10

NOTE: **1** Stacker Offset Operation Timing Chart

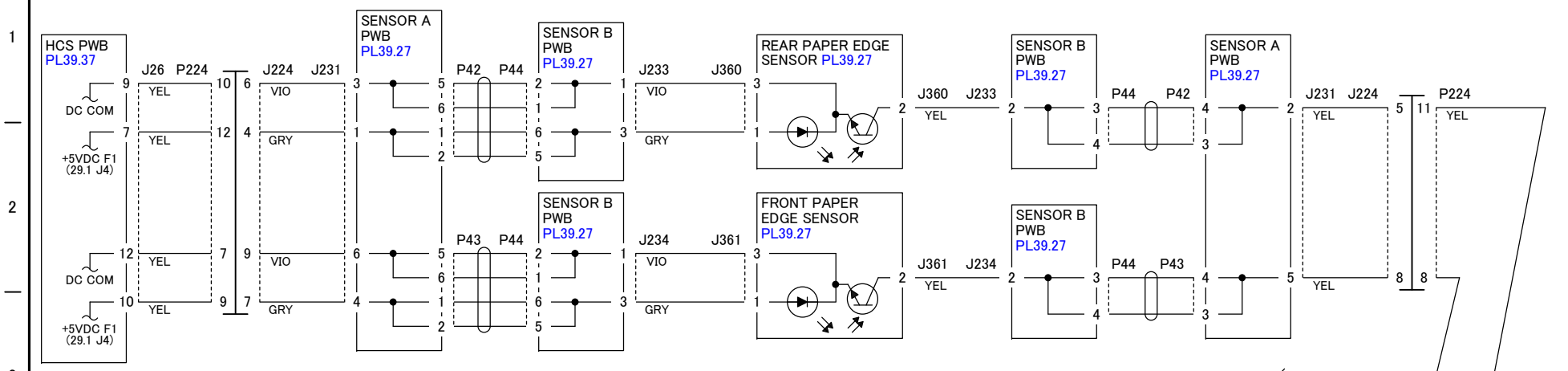


j0pr732913

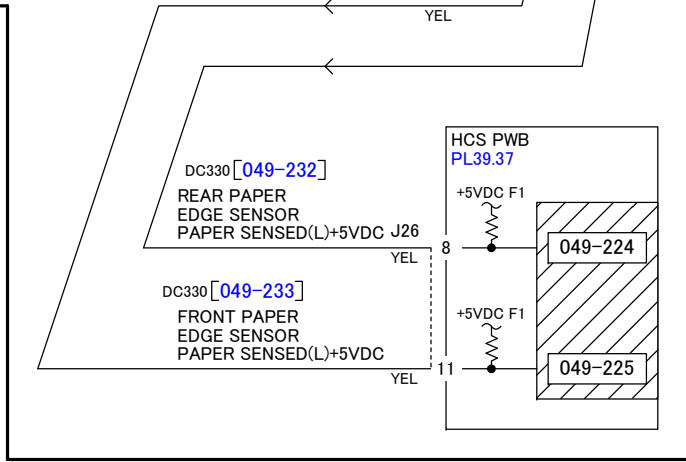
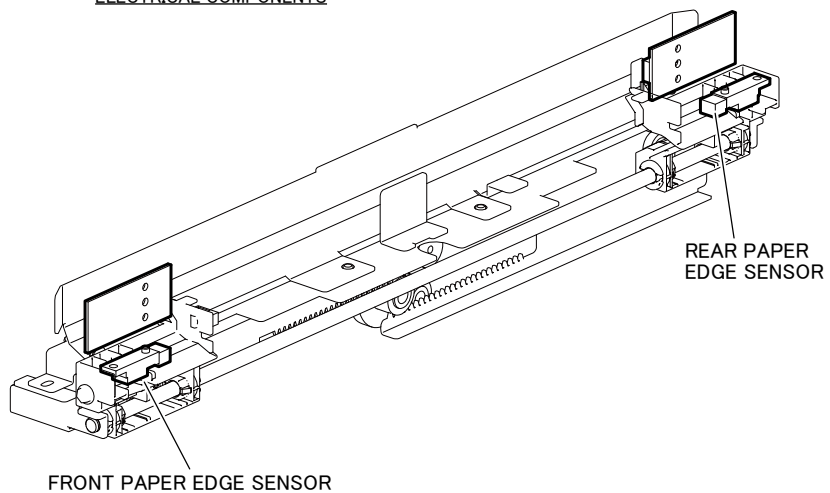


A | B | C | D | E | F | G | H | J

29.15 STACKER PRINT OFFSET (3/3)



ELECTRICAL COMPONENTS



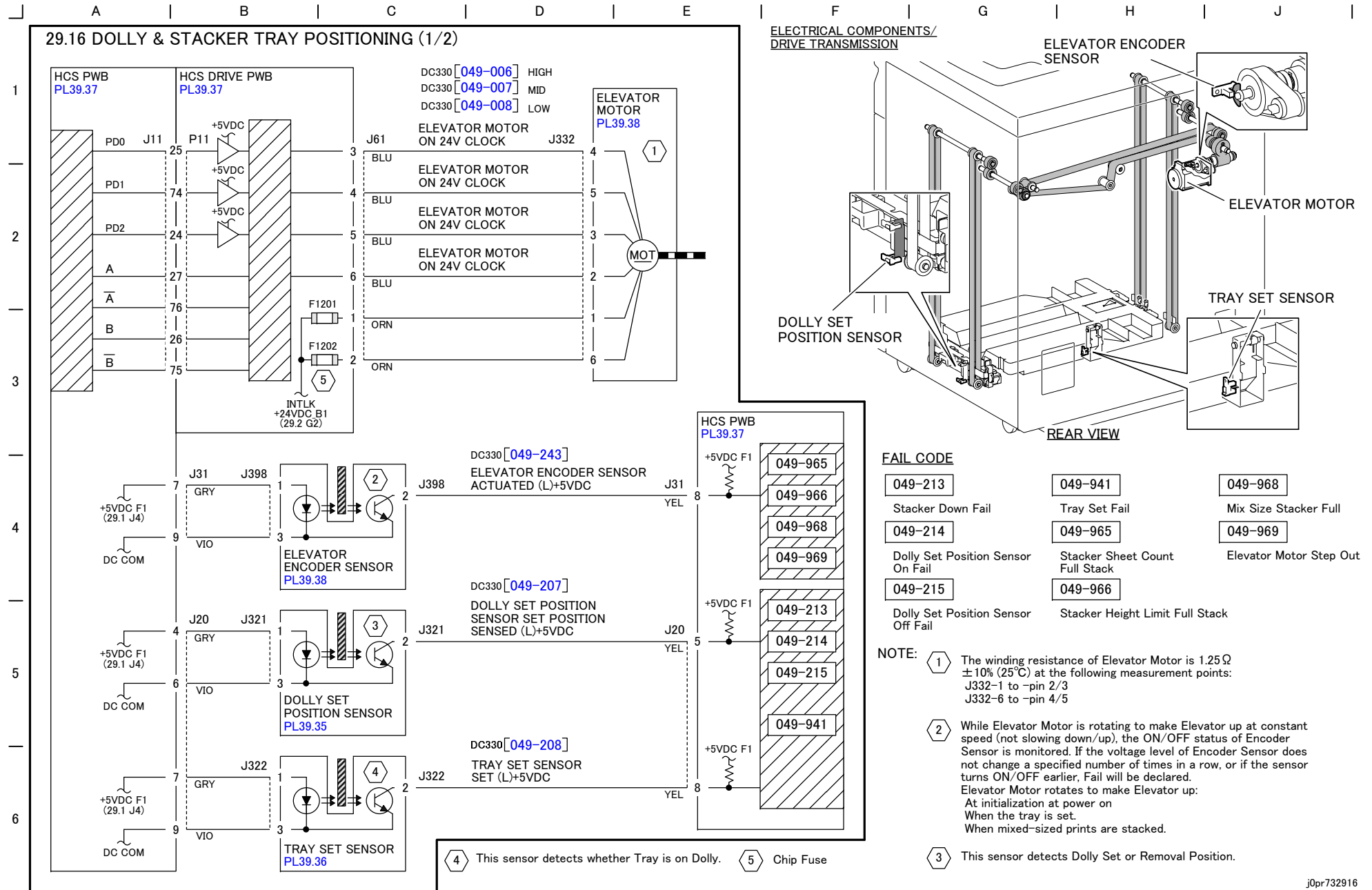
FAIL CODE

049-224

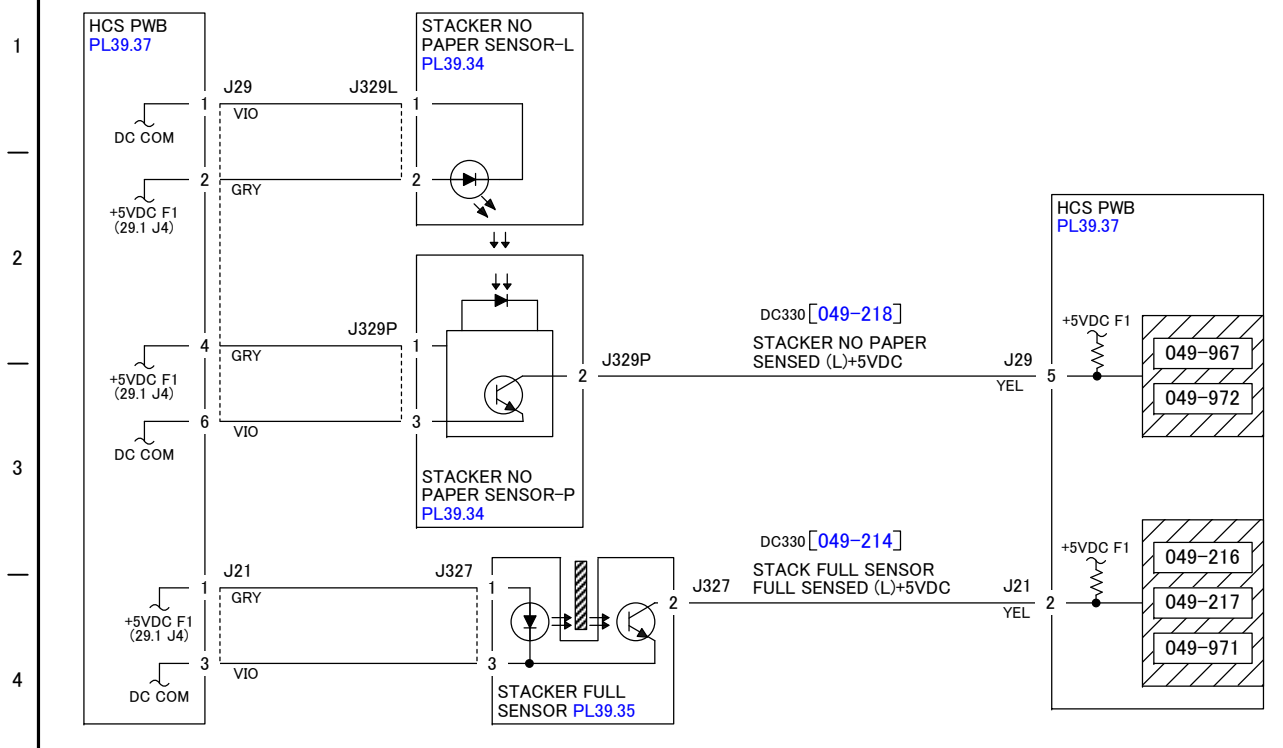
Rear Paper Edge Sensor Initialize Fail

049-225

Front Paper Edge Sensor Initialize Fail



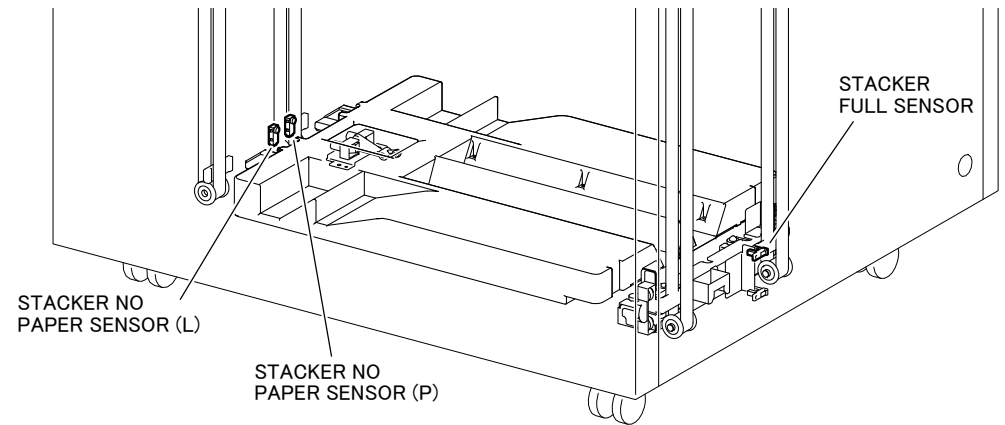
29.17 DOLLY & STACKER TRAY POSITIONING (2/2)



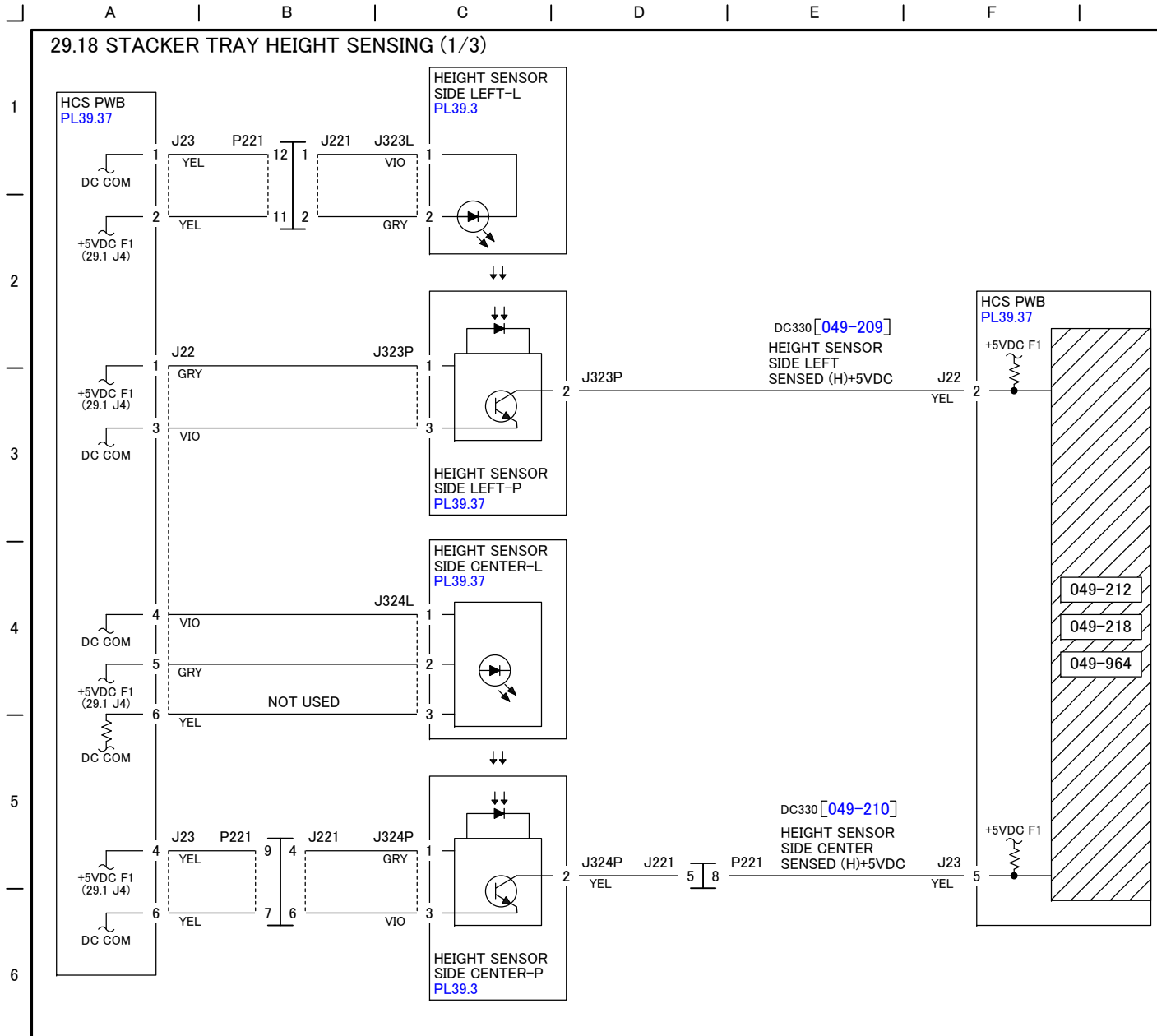
FAIL CODE

- 049-216
Stacker Full Sensor On Fail
- 049-217
Stacker Full Sensor Off Fail
- 049-967
Paper Remain at Stacker Tray
- 049-971
Stacker Full Stack
- 049-972
Stacker Middle Stack

ELECTRICAL COMPONENTS



j0pr732917



FAIL CODE

049-212

Stacker Up Fail

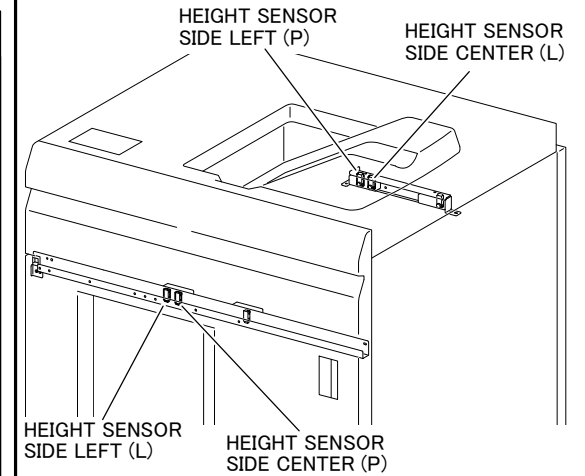
049-218

Stacker Height Sensor Off Fail

049-964

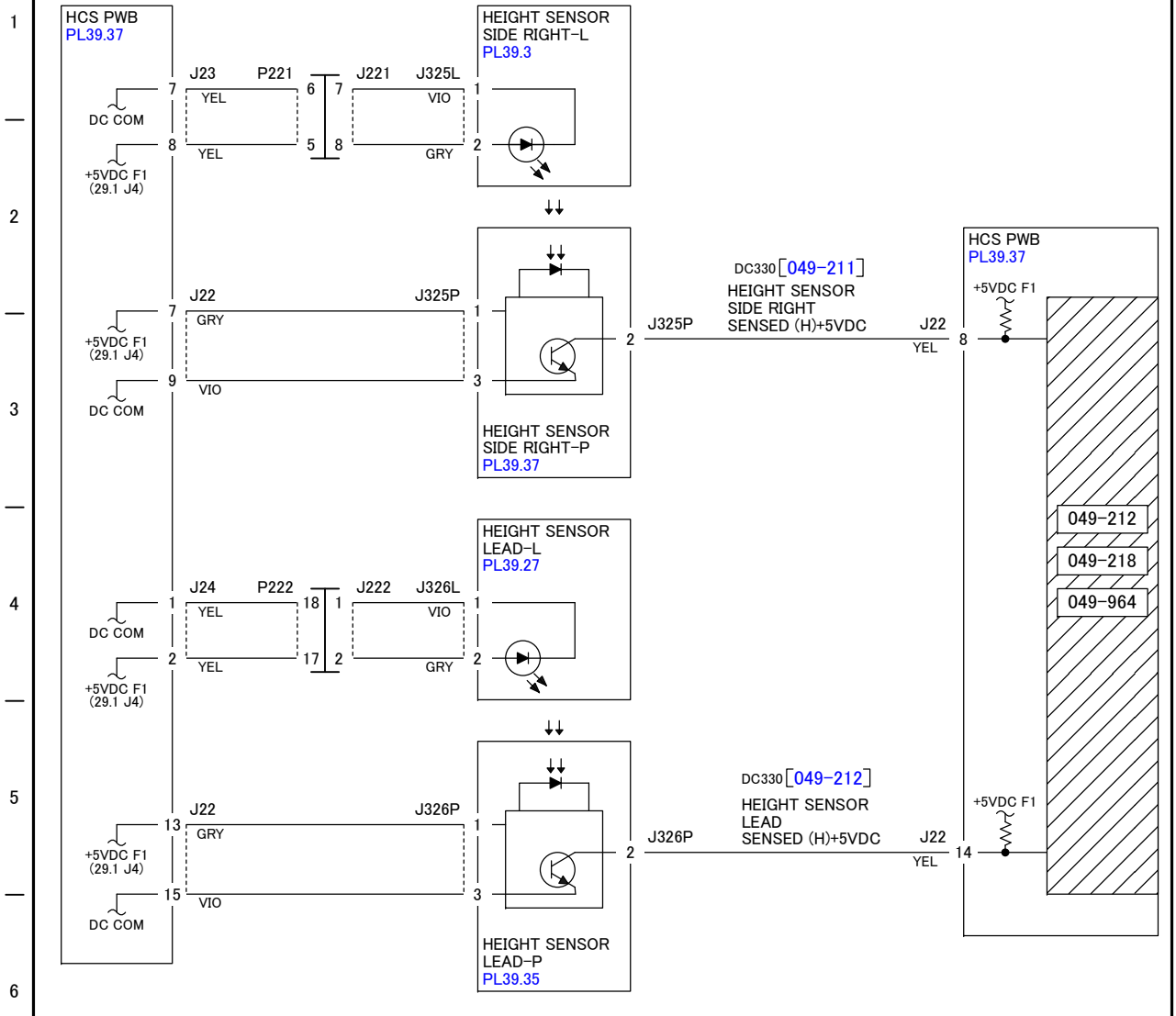
Stacker Height Sensor On Fail

ELECTRICAL COMPONENTS



A | B | C | D | E | F | G | H | J

29.19 STACKER TRAY HEIGHT SENSING (2/3)



FAIL CODE

049-212

Stacker Up Fail

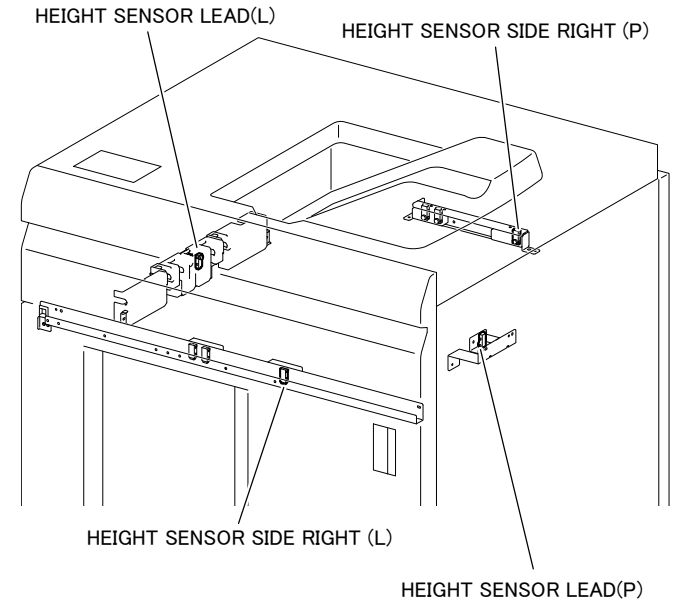
049-218

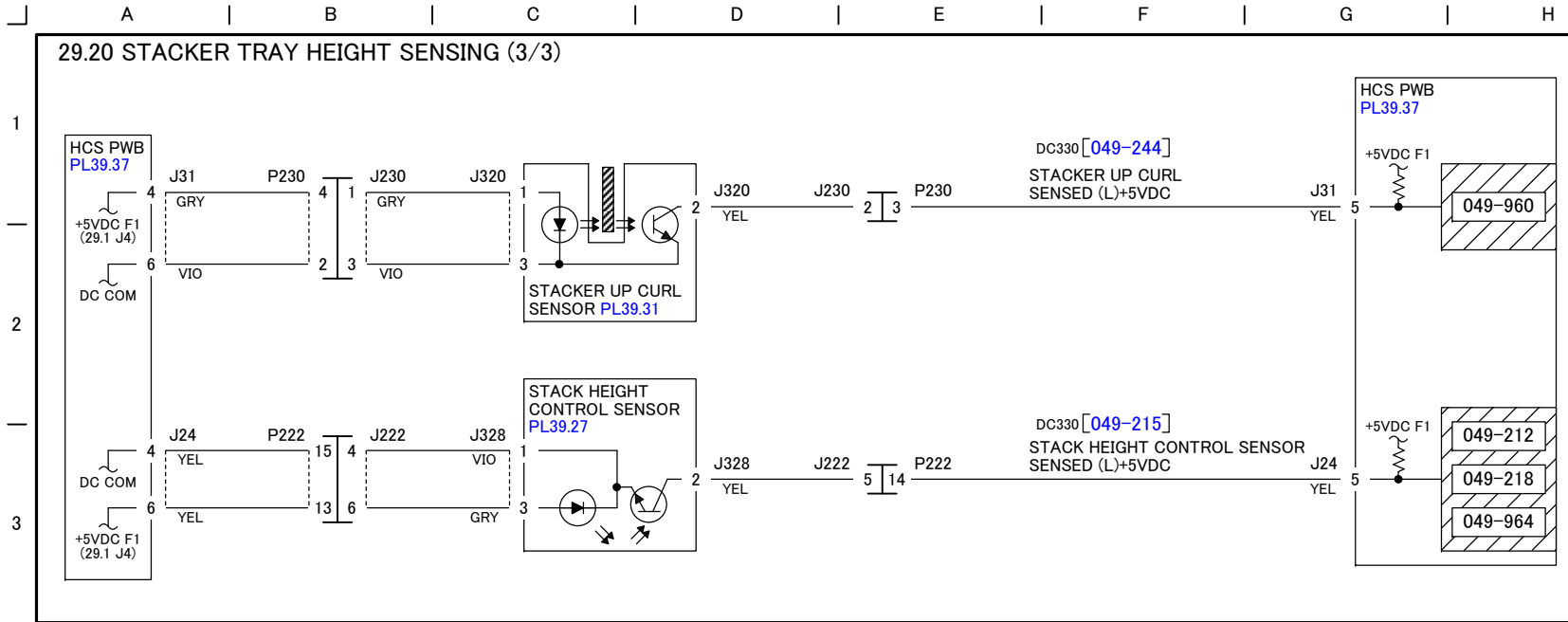
Stacker Height Sensor Off Fail

049-964

Stacker Height Sensor On Fail

ELECTRICAL COMPONENTS





FAIL CODE

049-212

Stacker Up Fail

049-218

Stacker Height Sensor Off Fail

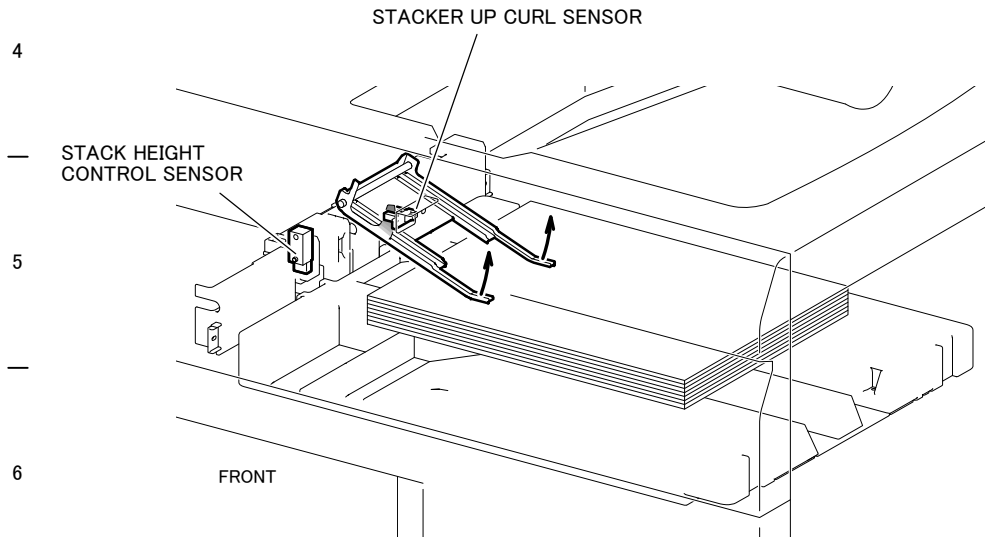
049-960

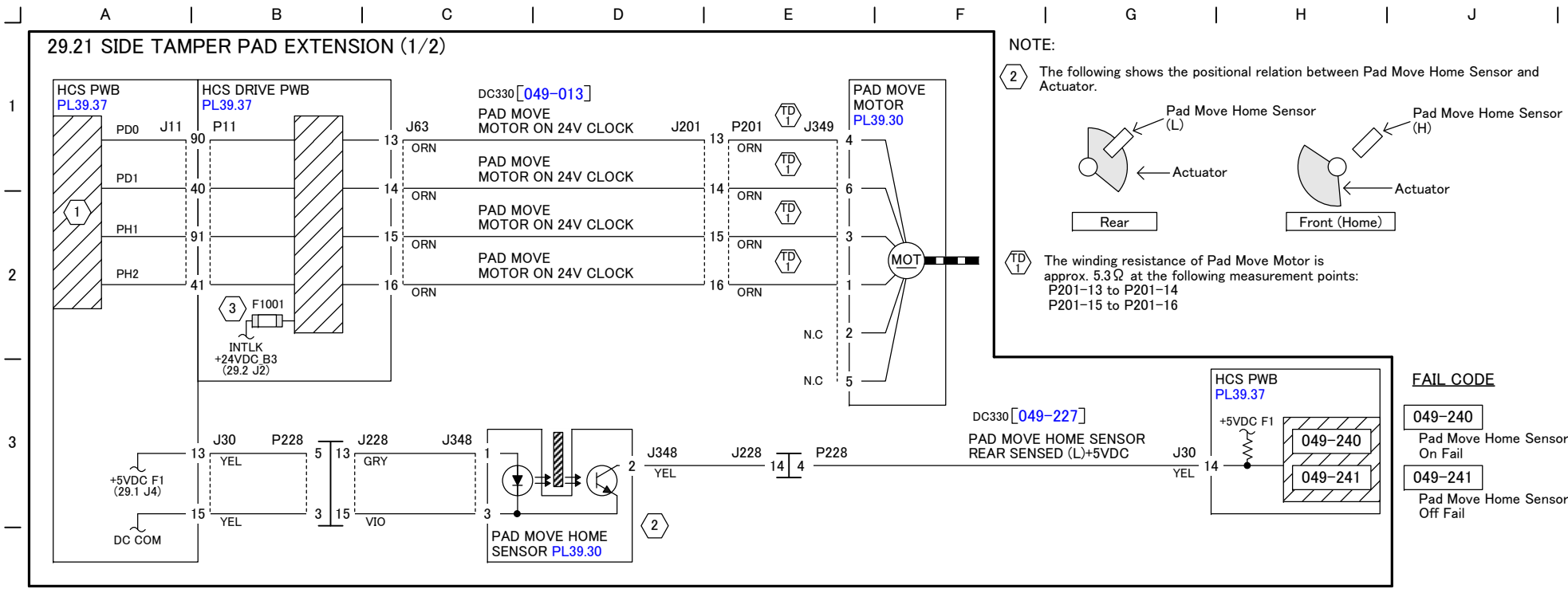
Stacker Up Curl Sensor Off Fail

049-964

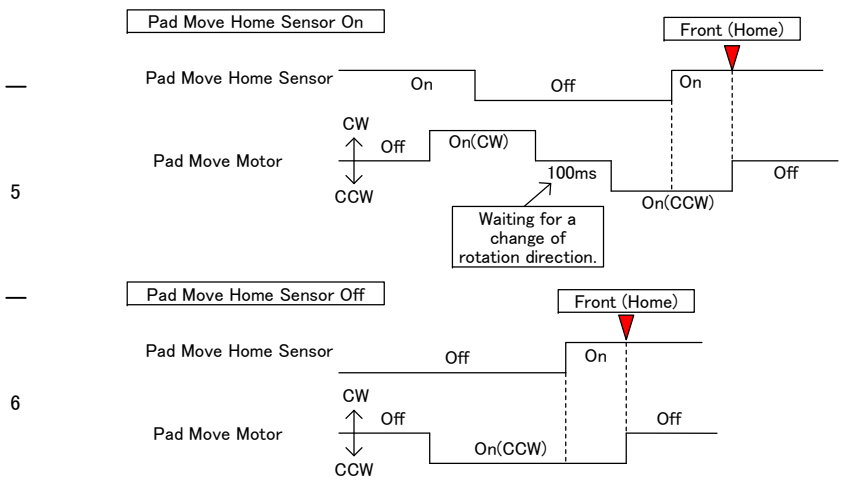
Stacker Height Sensor On Fail

ELECTRICAL COMPONENTS

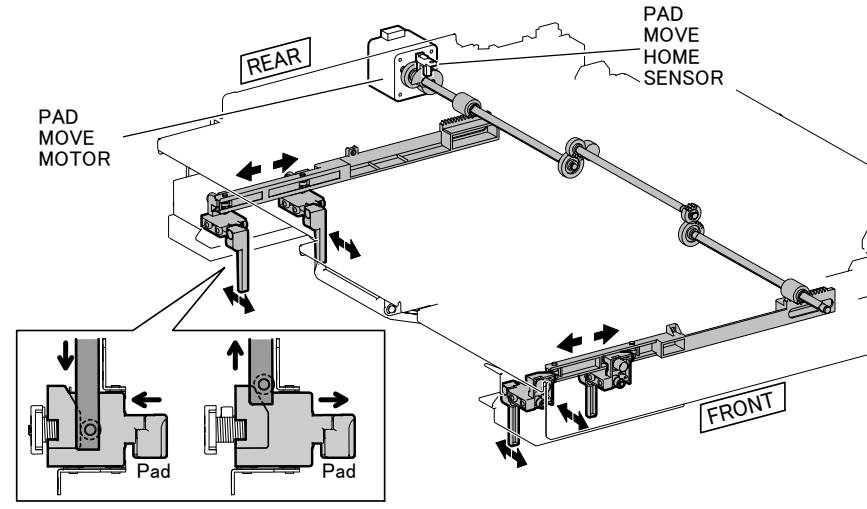




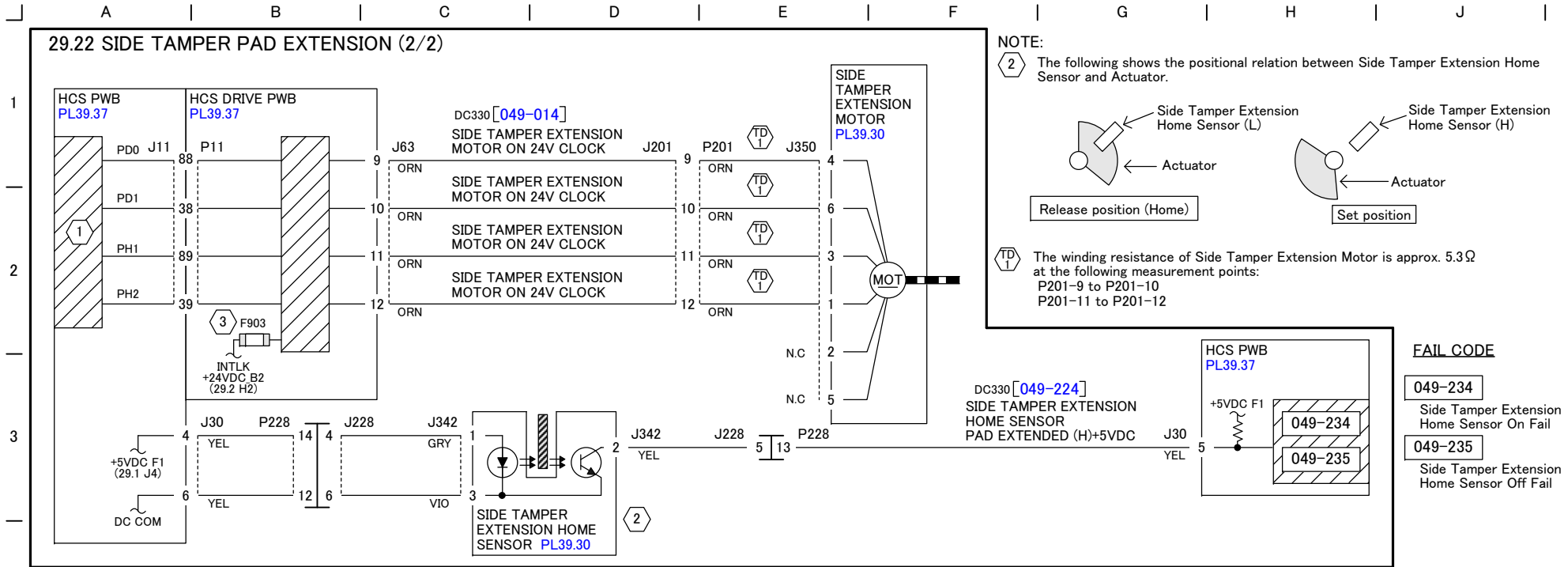
NOTE: 1 Pad Initializing Operation Timing Chart



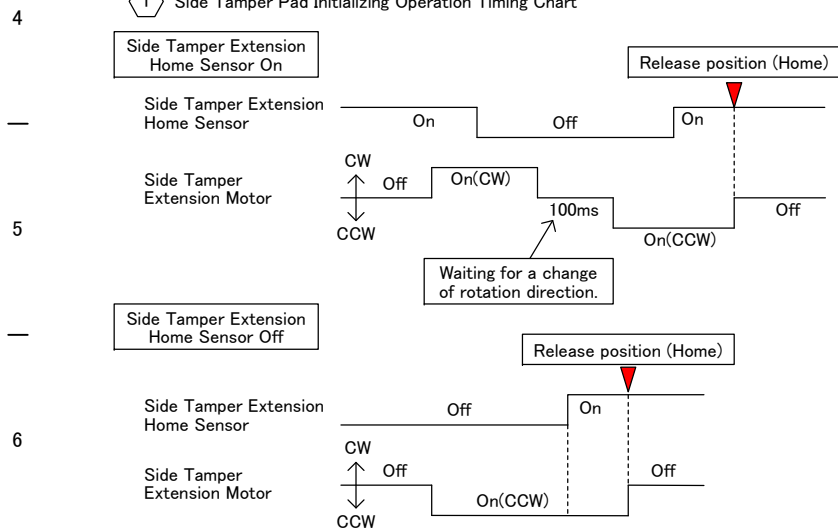
ELECTRICAL COMPONENTS/DRIVE TRANSMISSION



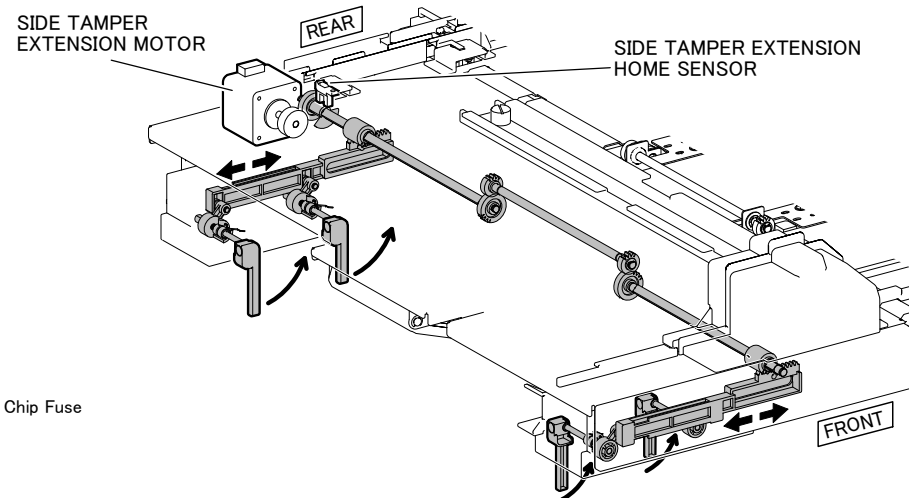
j0pr732921



NOTE: ① Side Tamper Pad Initializing Operation Timing Chart

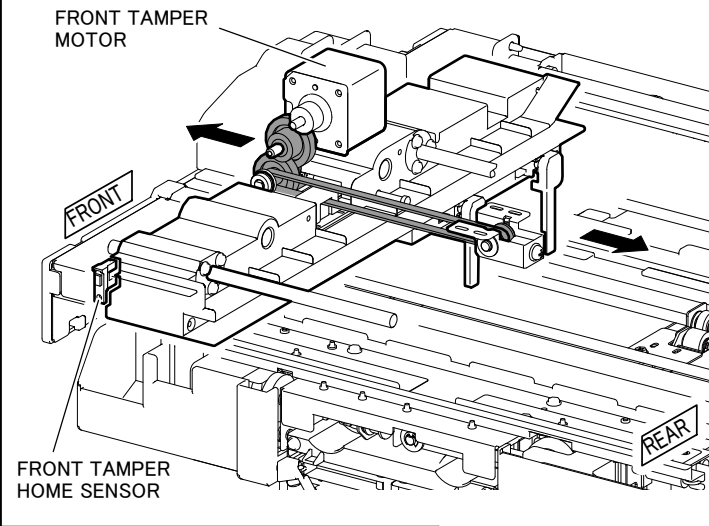
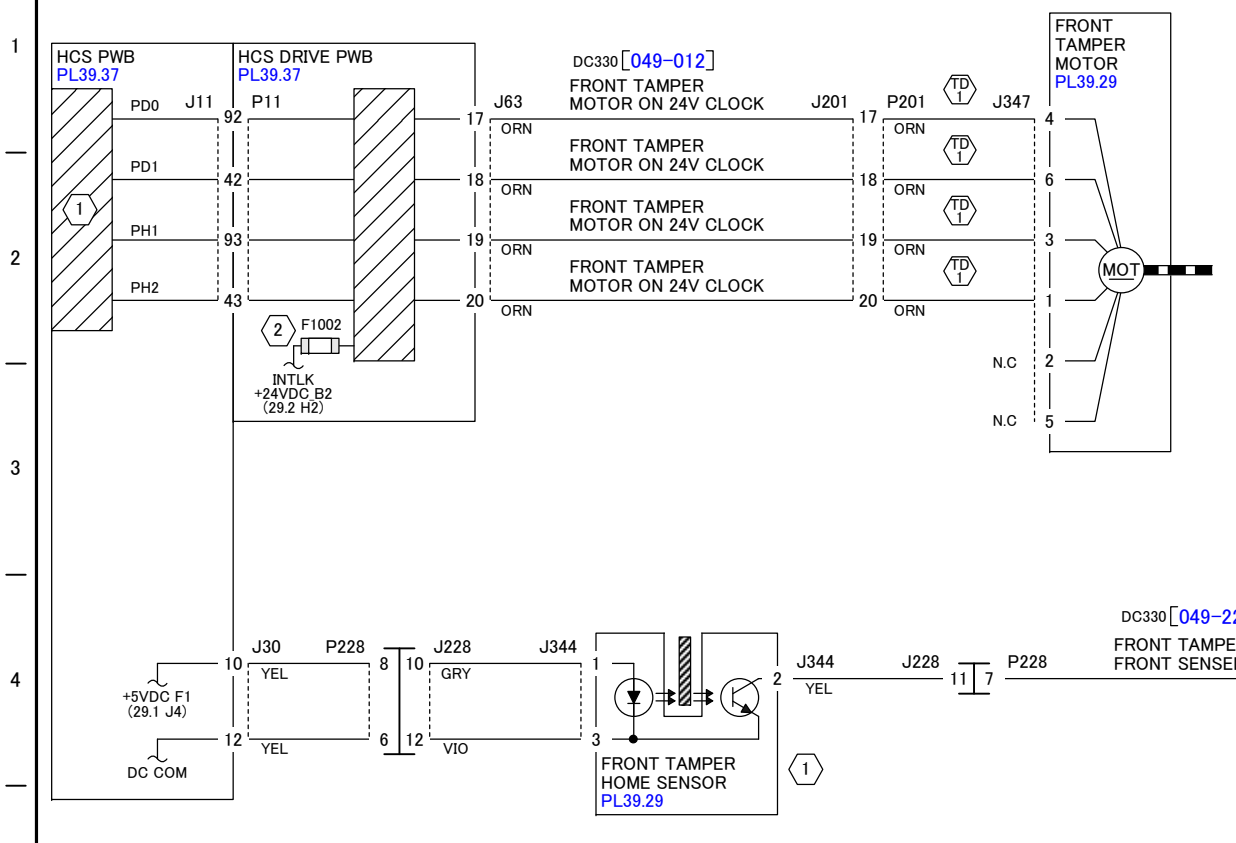


ELECTRICAL COMPONENTS/DRIVE TRANSMISSION

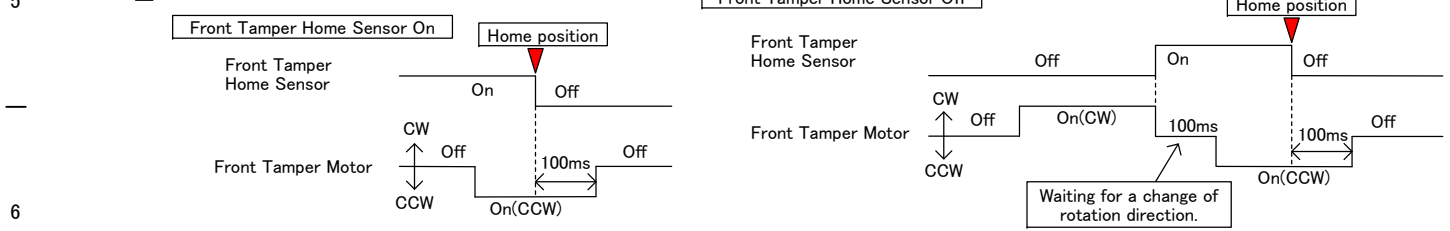


29.23 FRONT TAMPER POSITIONING

ELECTRICAL COMPONENTS/DRIVE TRANSMISSION



NOTE: ① Front Tamper Initializing Operation Timing Chart

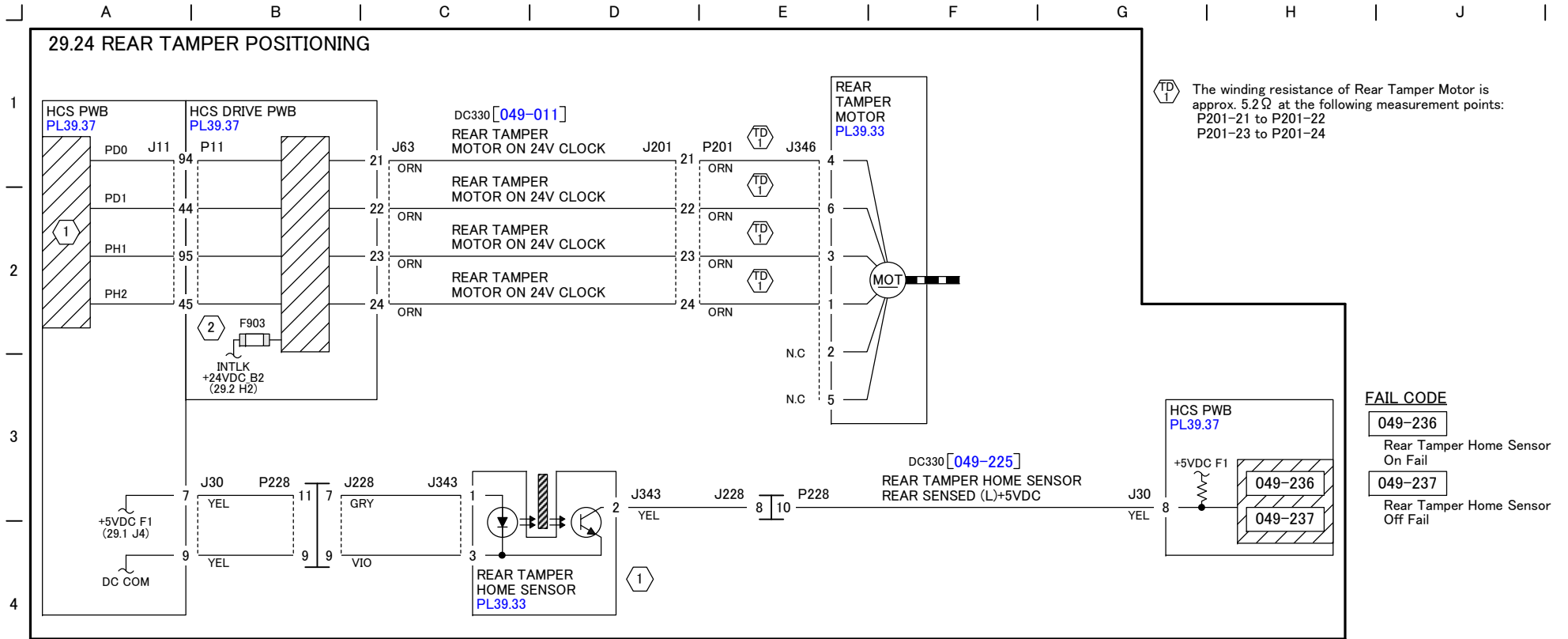


② The winding resistance of Front Tamper Motor is approx. 5.5Ω at the following measurement points:
P201-17 to P201-18
P201-19 to P201-20

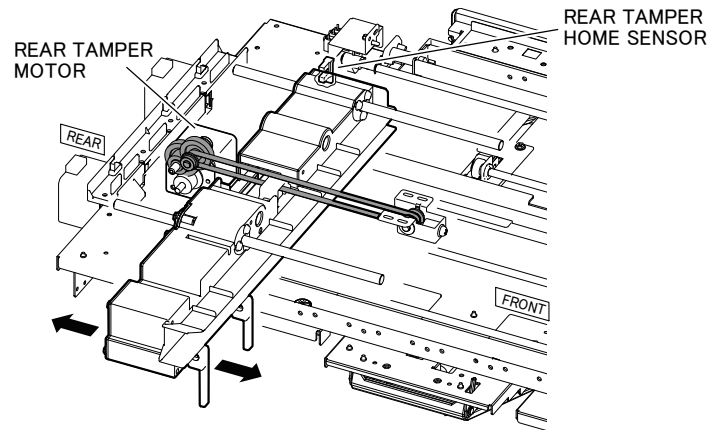
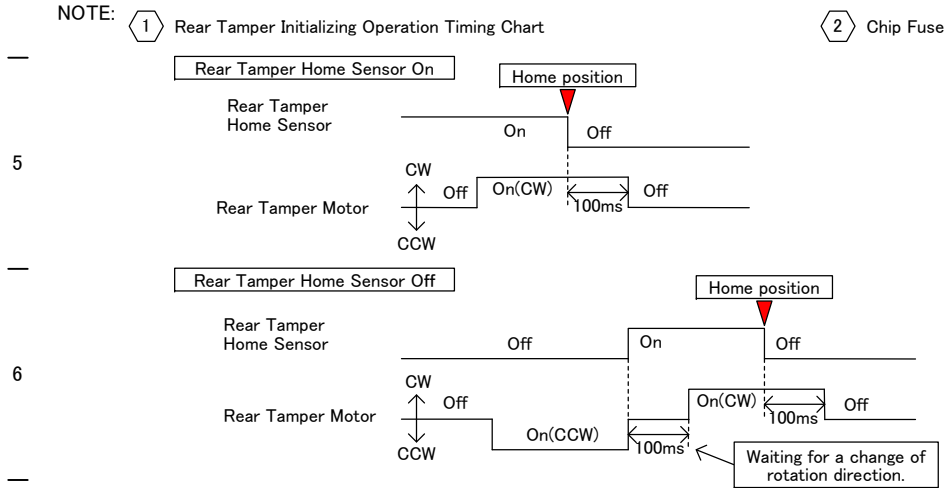
② Chip Fuse

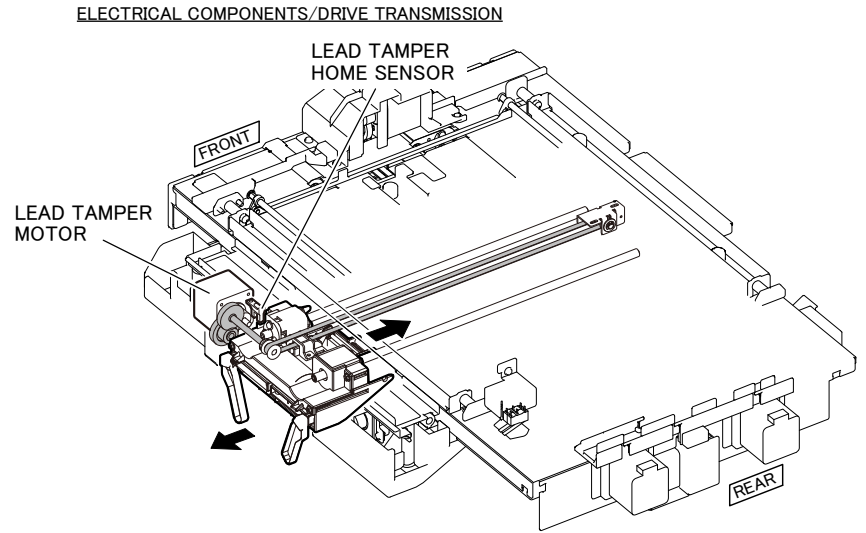
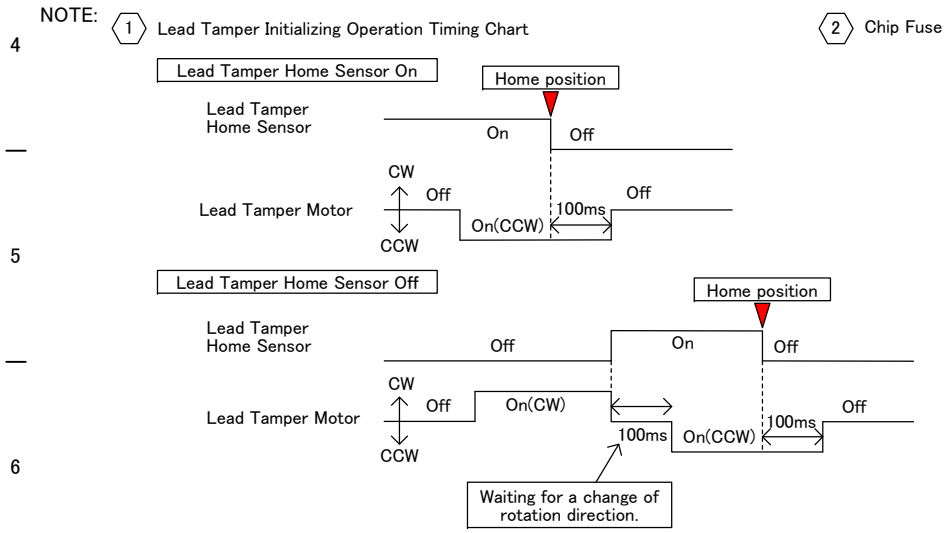
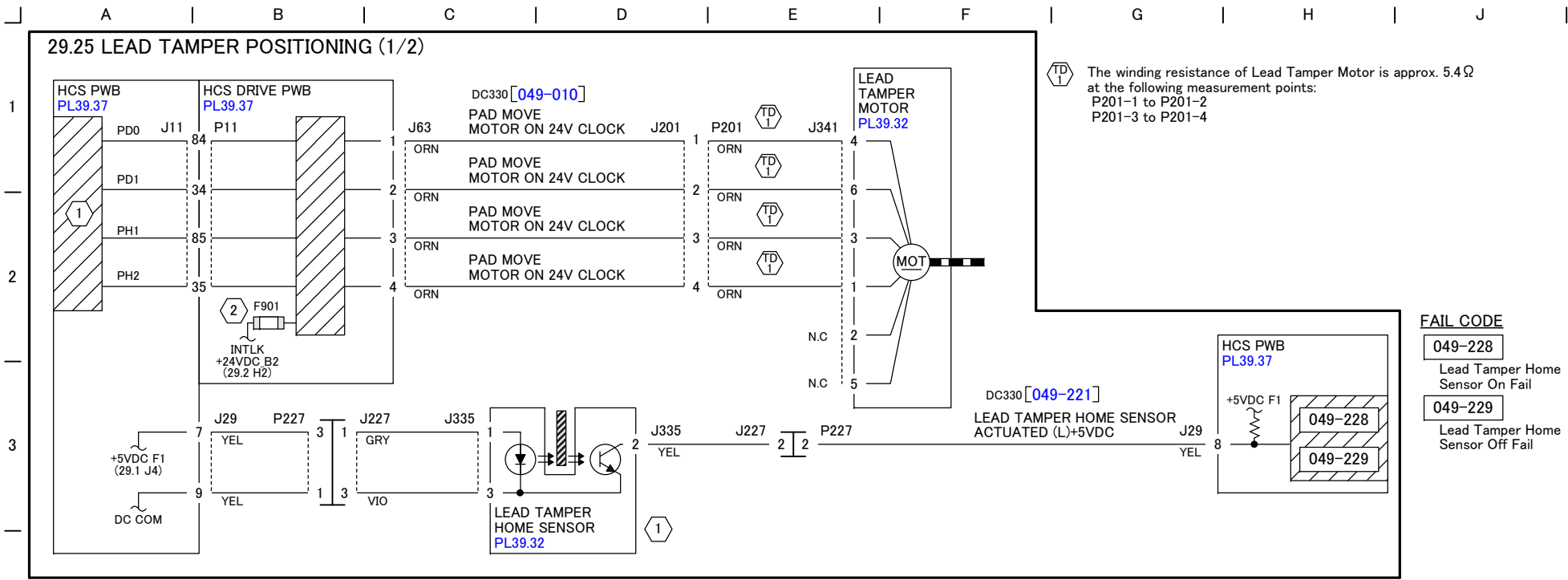
FAIL CODE

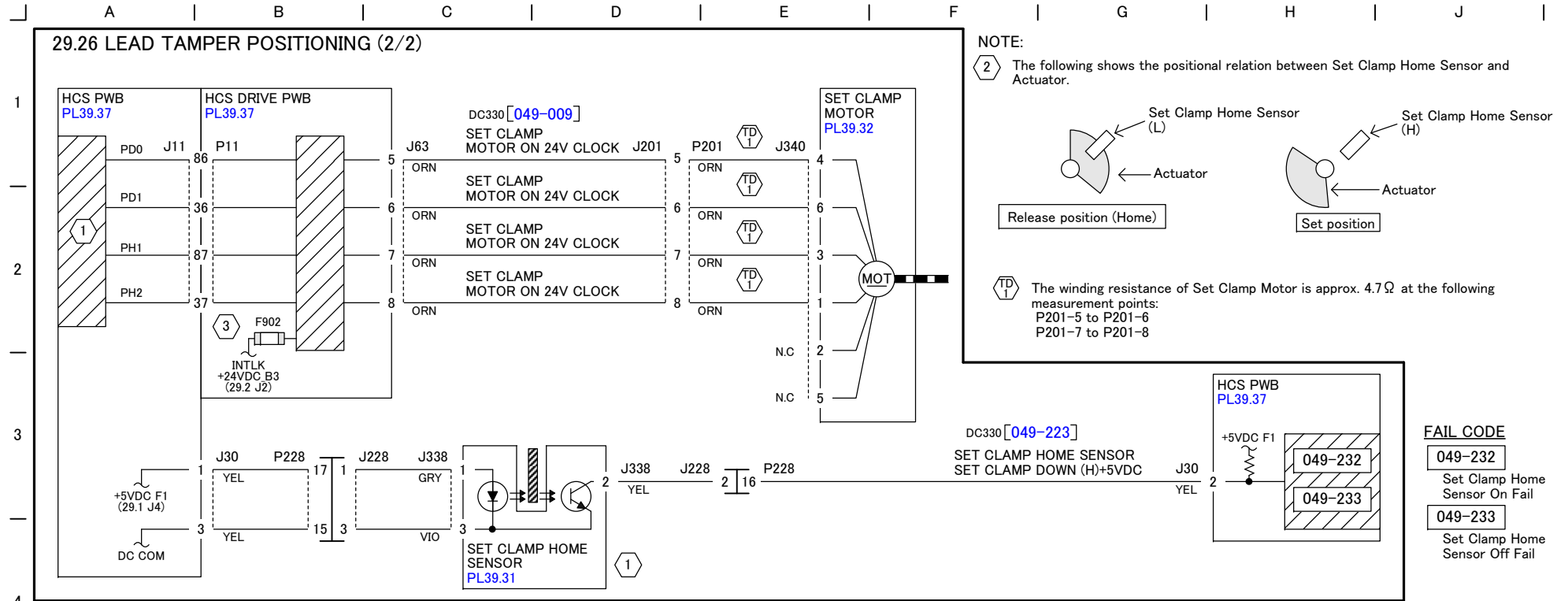
049-238	Front Tamper Home Sensor On Fail
049-239	Front Tamper Home Sensor Off Fail



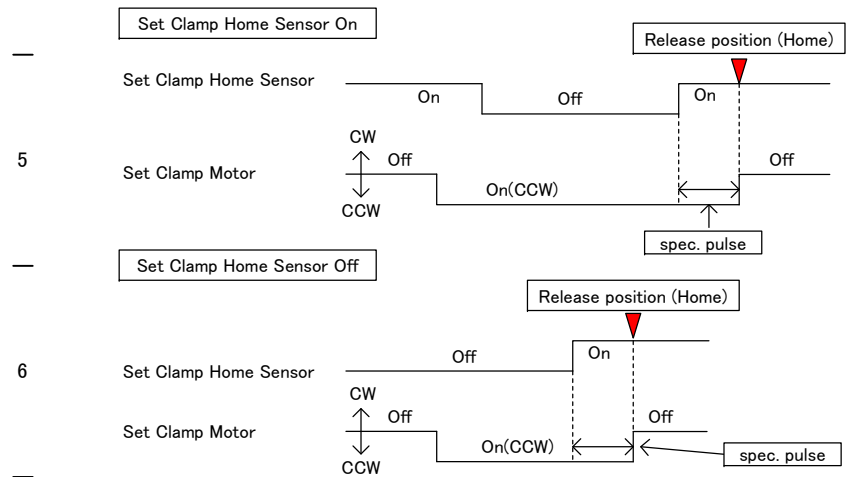
(TD) The winding resistance of Rear Tamper Motor is approx. 5.2Ω at the following measurement points:
P201-21 to P201-22
P201-23 to P201-24





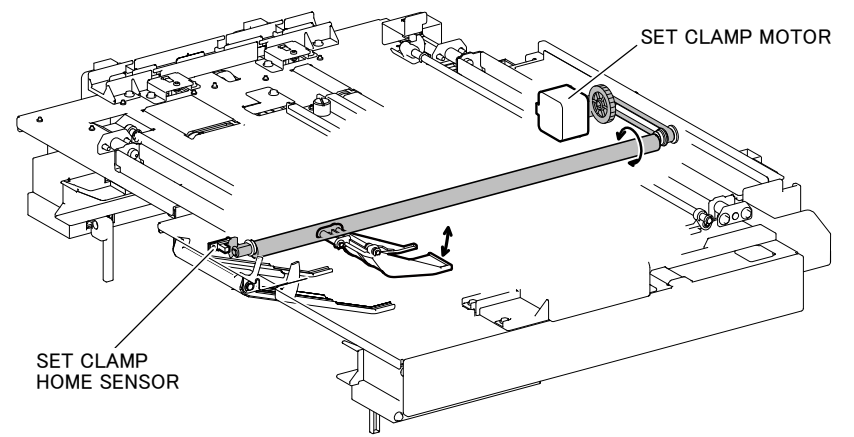


NOTE: ① Set Clamp Initializing Operation Timing Chart



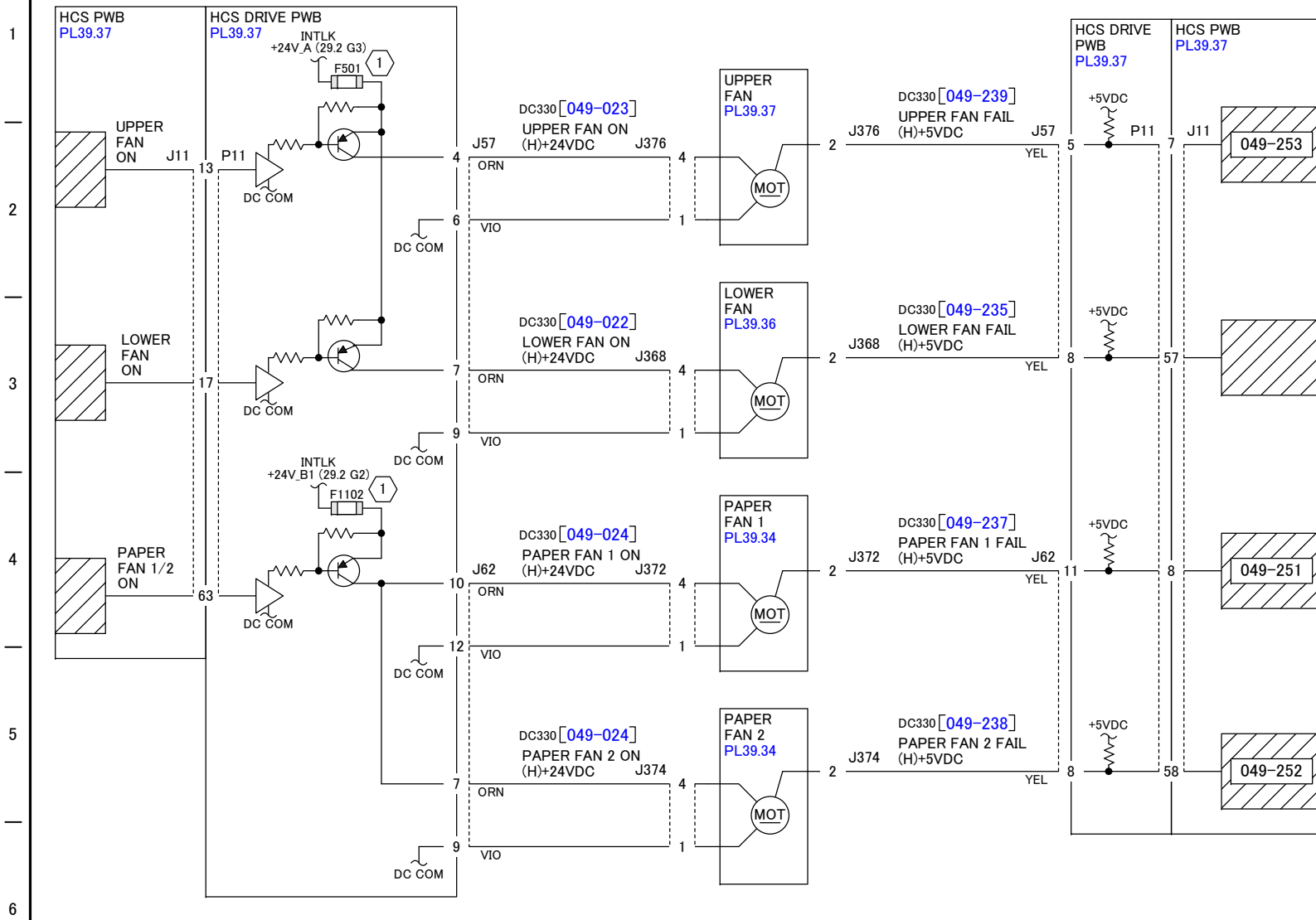
③ Chip Fuse

ELECTRICAL COMPONENTS/DRIVE TRANSMISSION



A | B | C | D | E | F | G | H | J

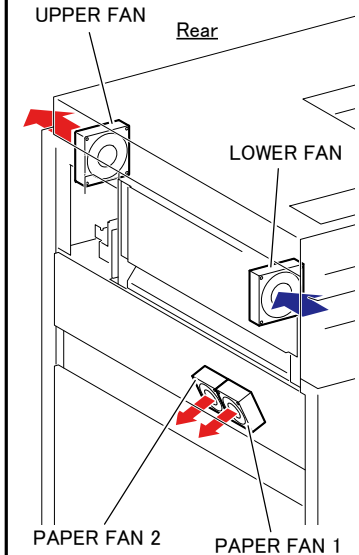
29.27 STACKER PAPER COOLING

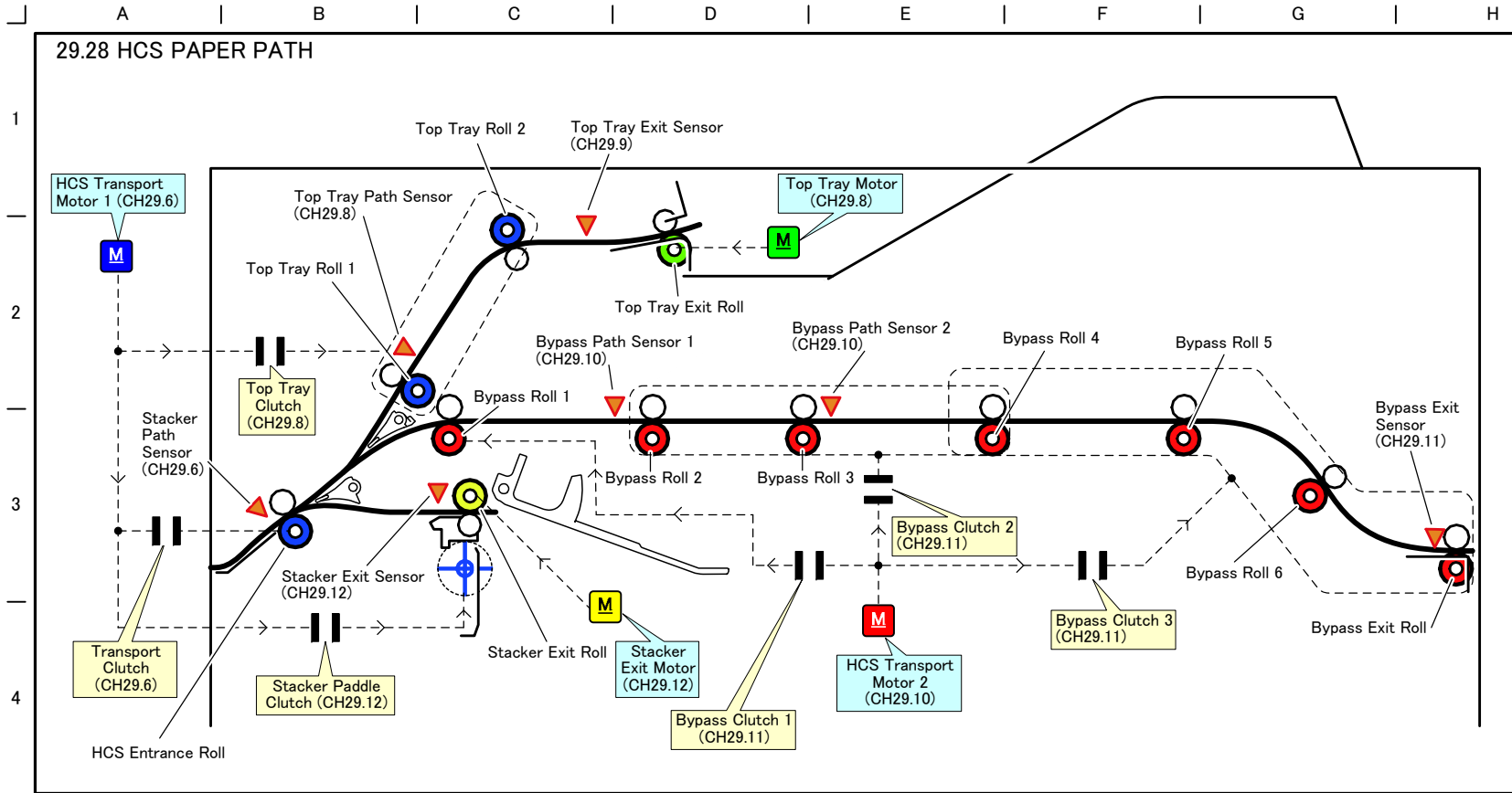


FAIL CODE

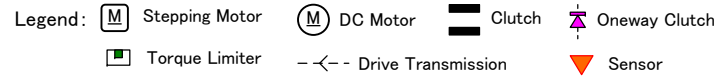
- 049-251 Paper Fan 1 Fail
- 049-252 Paper Fan 2 Fail
- 049-253 Upper Fan Fail

NOTE: Chip Fuse





NOTE: The motor positions shown in the illustration differ from those of the actual machine.



7.4 Electrical Component Location

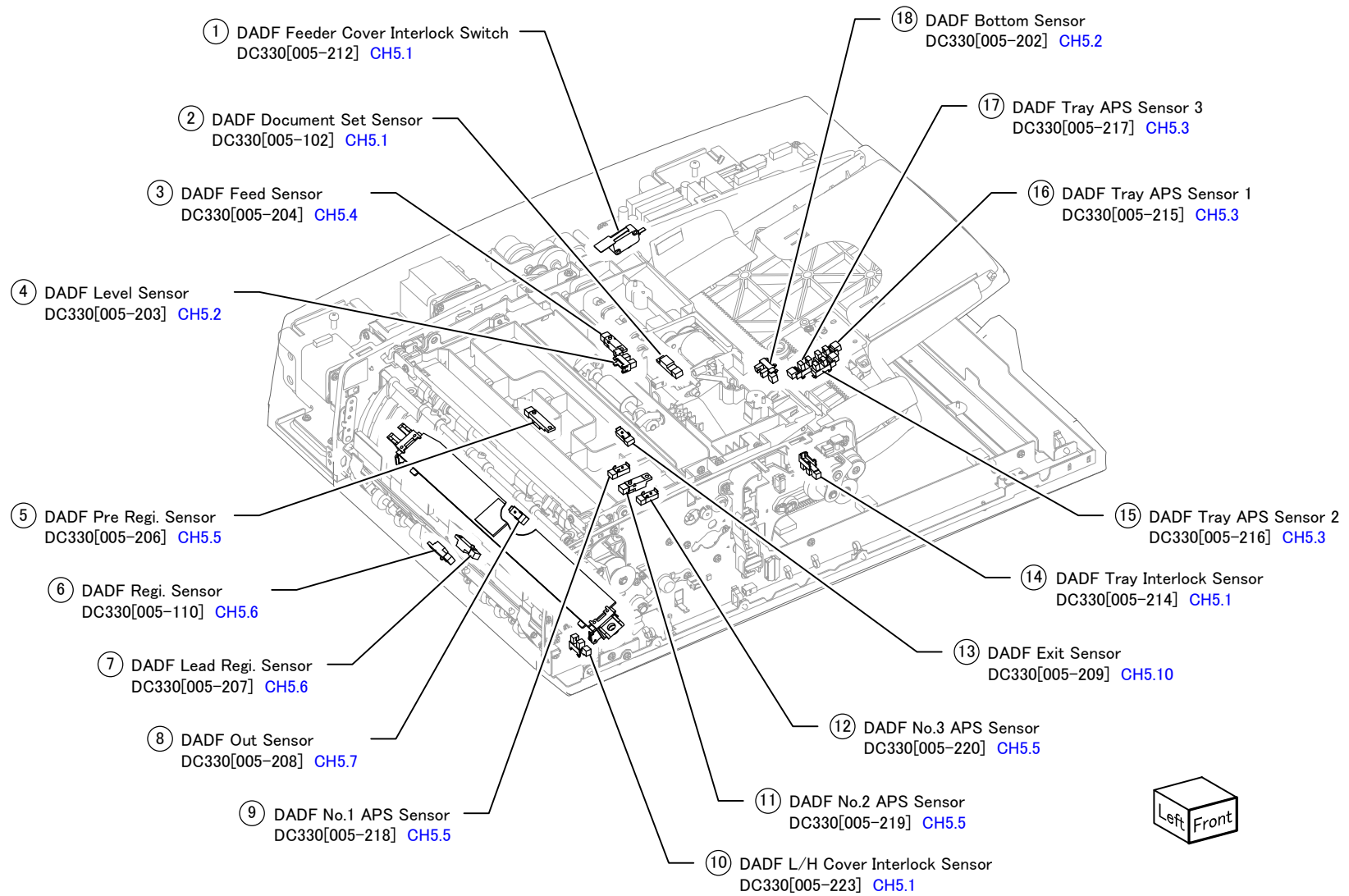
7.4 Electrical Component Location

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7.4.1 Sensor Location (DADF)	1
7.4.2 Sensor Location (IIT)	2
7.4.3 Sensor Location (IOT Front).....	3
7.4.4 Sensor Location (IOT Rear)	4
7.4.5 Sensor Location (Dup, Regi., 2nd BTR, V-Tra, Fusing Unit, Decurler).....	5
7.4.6 Sensor Location (MSI).....	6

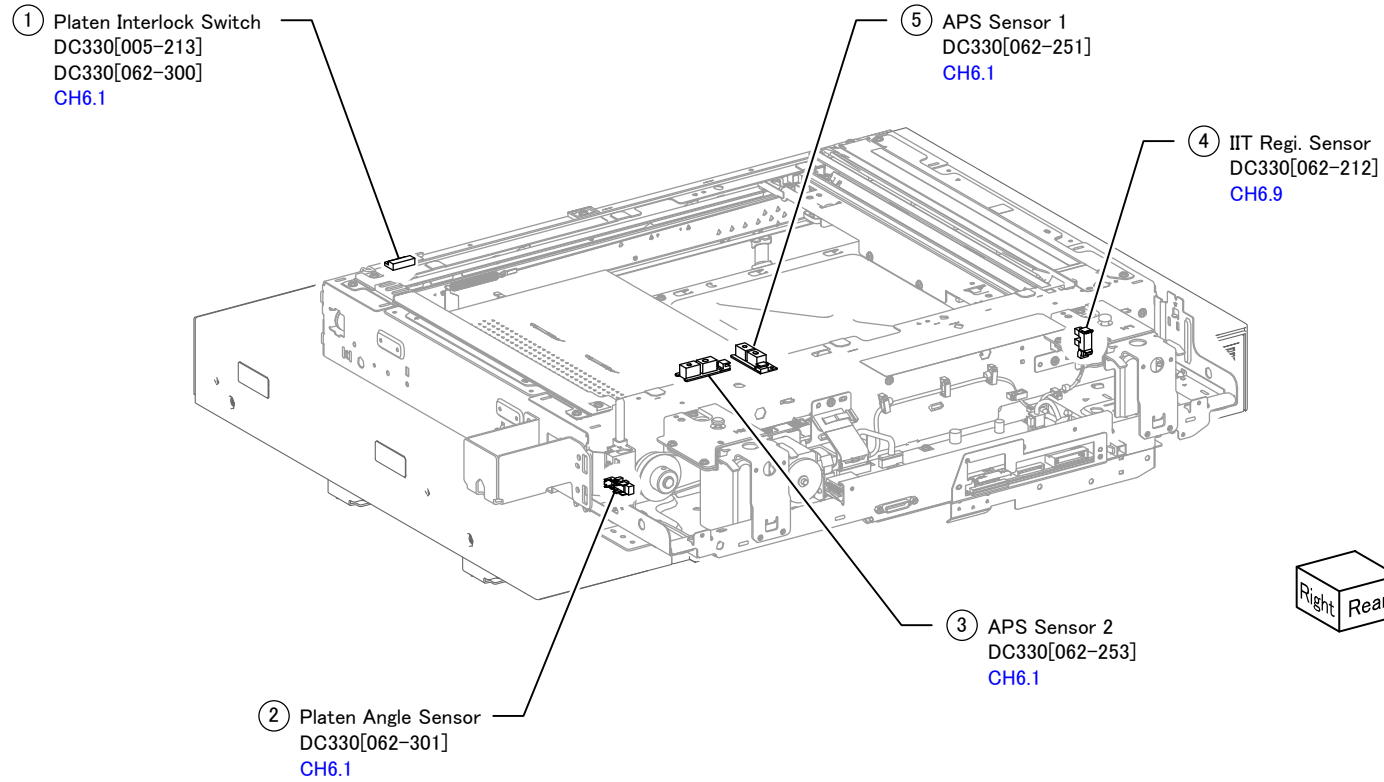
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7.4.1 SENSOR LOCATION (DADF)

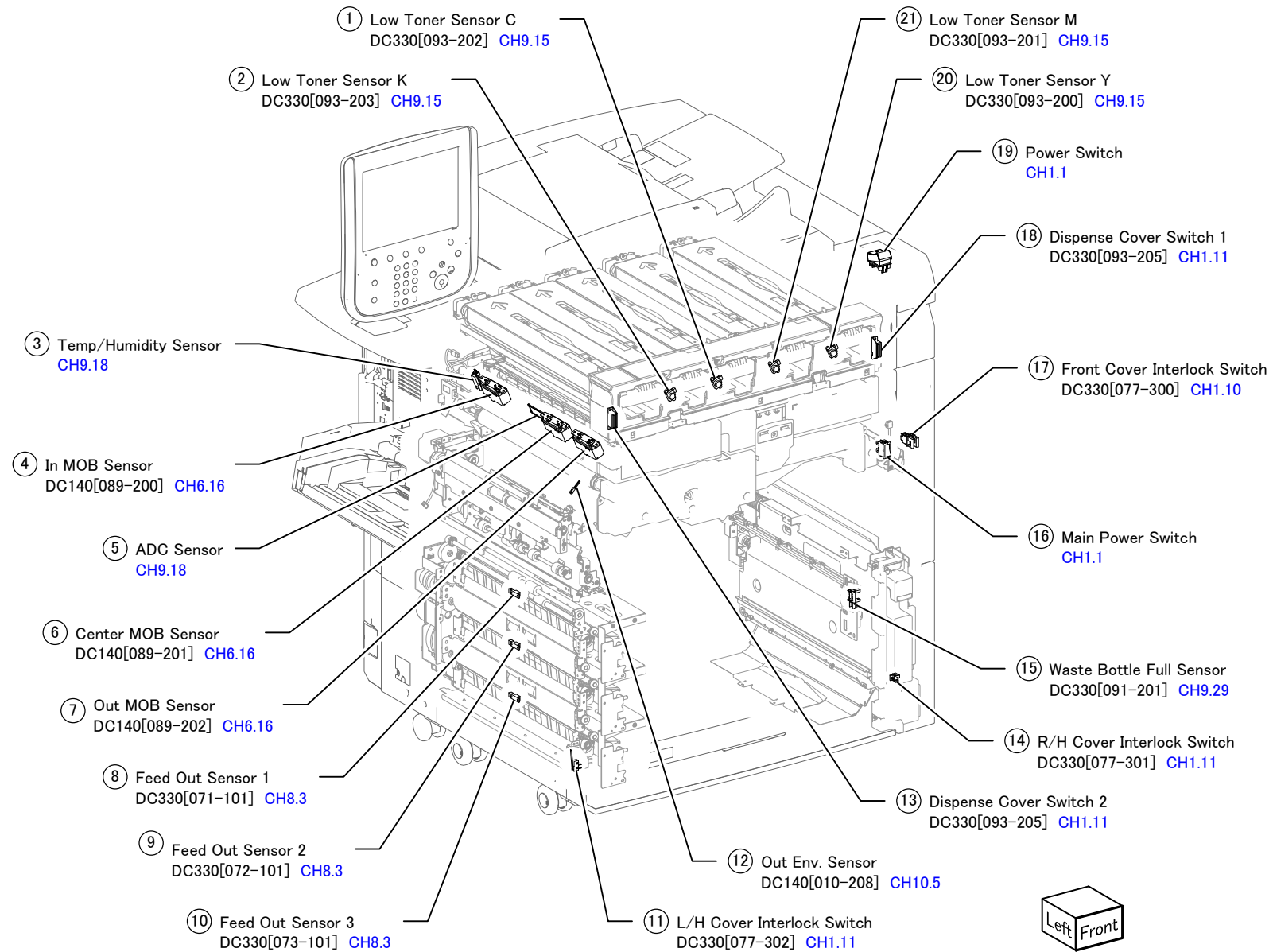


j0pr740001

7.4.2 SENSOR LOCATION (IIT)

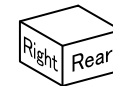
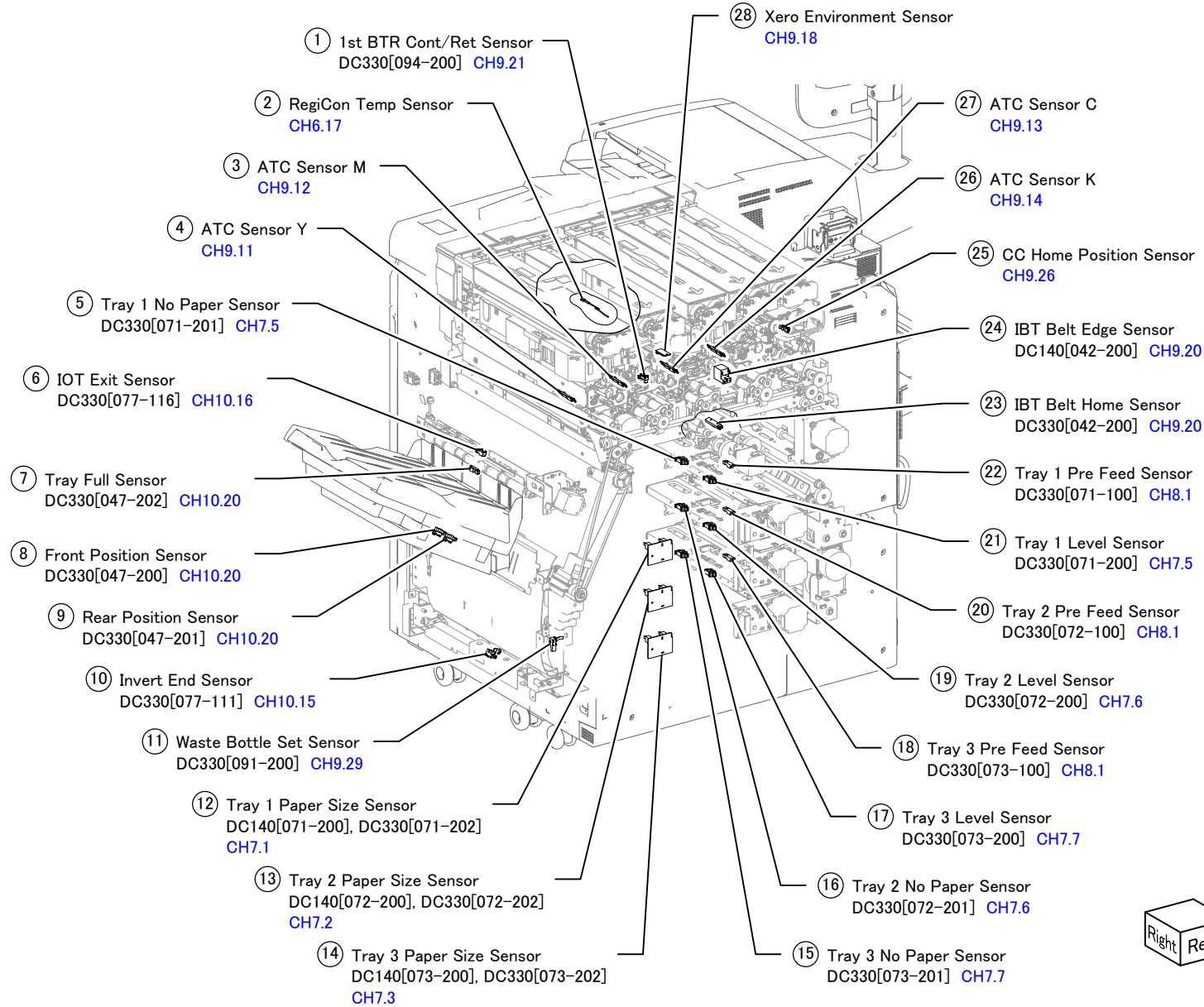


7.4.3 SENSOR LOCATION (IOT FRONT)

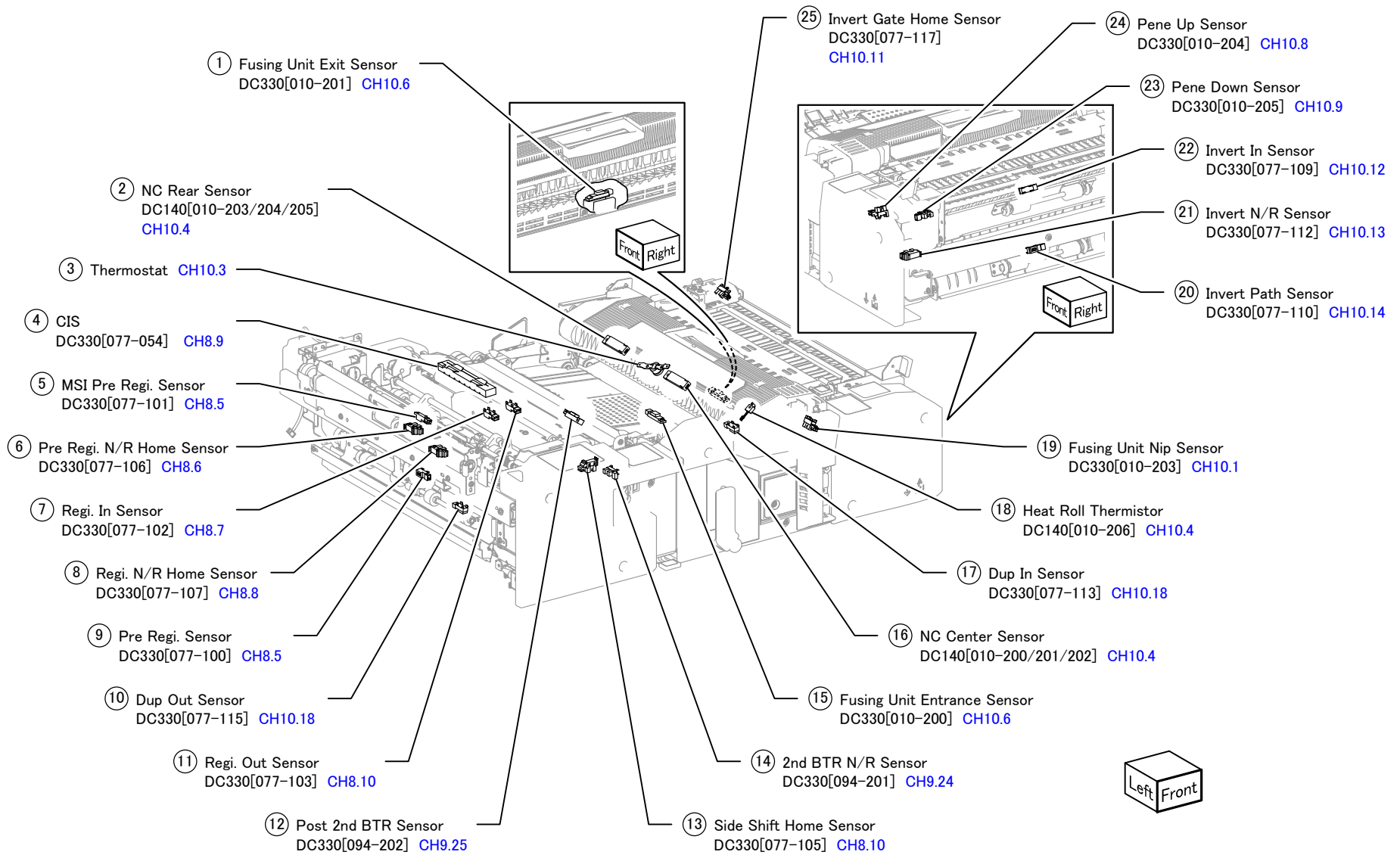


j0pr740003

7.4.4 SENSOR LOCATION (IOT REAR)

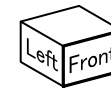
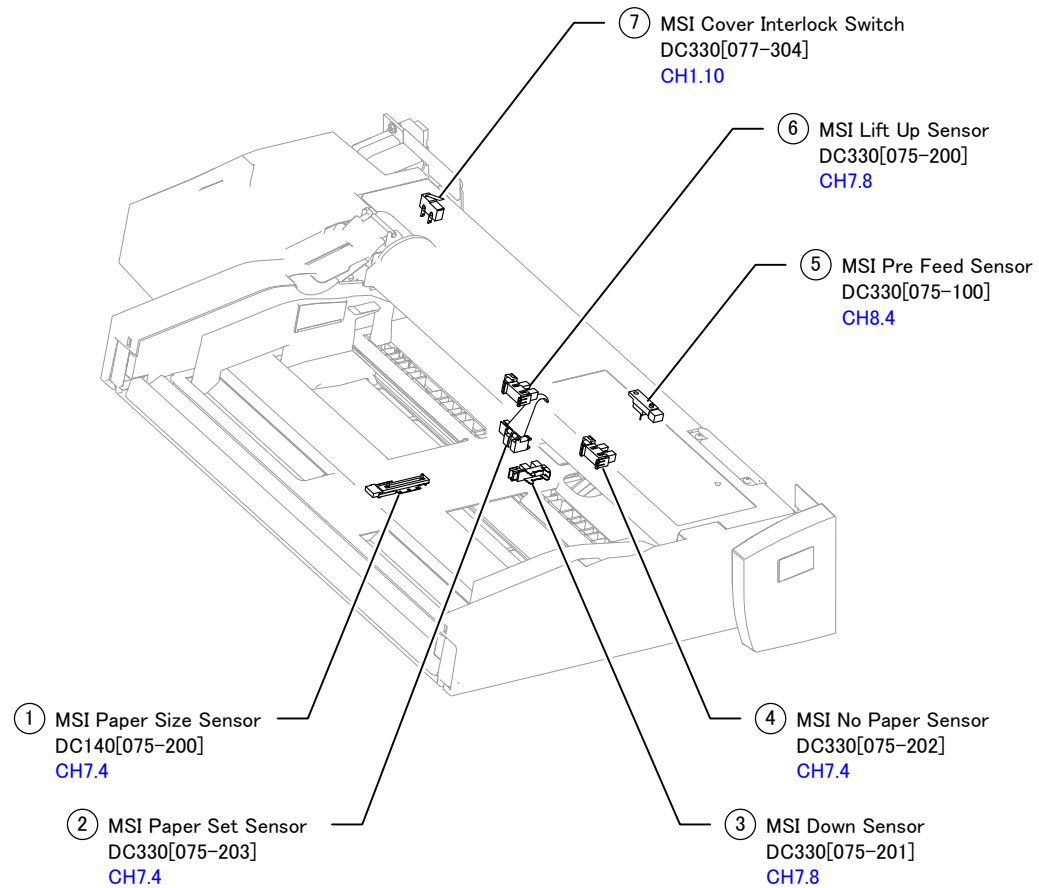


7.4.5 SENSOR LOCATION (DUP, REGI., 2ND BTR, V-TRA, FUSING UNIT, DECURLER)



j0pr740005

7.4.6 SENSOR LOCATION (MSI)



Chapter 8 Accessories

8 Accessories

8.1 Installation of Wing Table (Color C75 Press Only)	3
8.2 Installation of Smart Card Reader/Smart Card Reader for HID Prox	4

8.1 Installation of Wing Table (Color C75 Press Only)

NOTE: This option can only be installed at the right side of a machine that is installed with OCT.

Product Code

ED200022

Installation Procedures

1. Check the bundled accessories.

Wing Tray Bundled Items

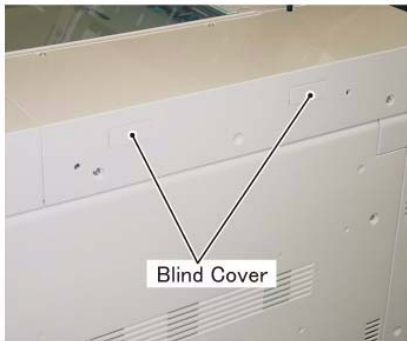
- (1) Wing Table
 - (2) Wing Cover
 - (3) Tray Bracket (x2)
 - (4) Thumbscrew (x2)
 - (5) Screw (x4)
2. Remove the packaging tape and visually inspect the overall appearance.

WARNING

Make sure that all jobs have been completed. Check that the "Online" lamp is OFF and turn OFF the power.

After turning OFF the power of the machine, turn OFF the breaker switch and unplug the power plug from the outlet.

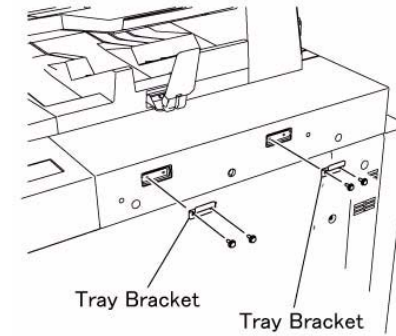
3. Remove the Blind Covers (x2) from the IIT Right Cover. (Figure 1)



j0pi90030

Figure 1 j0pi90030

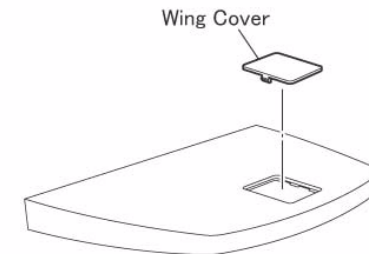
4. Install the Tray Brackets (x2) by using the screws (M3x6: x4). (Figure 2)



j0pi90031

Figure 2 j0pi90031

5. Install the Wing Cover to the Wing Table. (Figure 3)



j0tz90286

Figure 3 j0tz90286

6. Install the Wing Table and secure it by using the Thumbscrew (x2). (Figure 4)

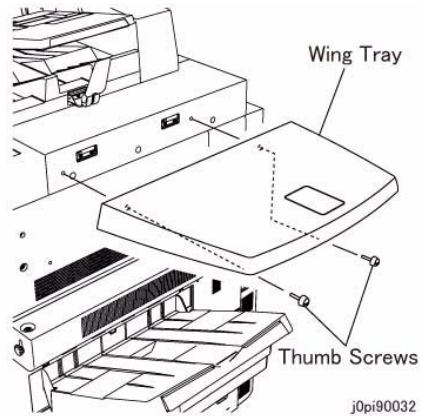


Figure 4 j0pi90032

7. Connect the power plug of the machine and turn ON the power switch.

8.2 Installation of Smart Card Reader/Smart Card Reader for HID Prox

This section describes the overview of the installation procedure (for hardware).

For details on the procedure and the settings, refer to Authentication Controller Service Manual 2nd Edition.

Product Code

Table 1

Product Name	Product Code
Smart Card Reader	E9100023
Smart Card Reader for HID Prox	E9100024
Authentication Controller	E9100022

Preparation

[Connection Cables]

Table 2

Product Name	Product Code
In case of Left side: Smart Card Reader/MC connection cable (for D-Sub 14-Pin/95 cm)	E9100054
In case of Right side: Smart Card Reader/MC connection cable (for D-Sub 14-Pin/150 cm)	E9100063

[Tools]

Table 3

Tool Name	Tool No.
Smart Card Reader Test Card for CE	499T 06622
Fuji Xerox Smart Card for CE (Type HID Prox)	499T 90640

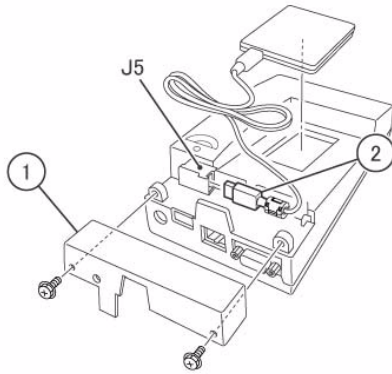
Installation Procedure

WARNING

When turning OFF the power switch, make sure that the "Data" lamp turns OFF. Press the <Job Status> button to check that there are no jobs in progress/waiting in the queue. Turn OFF the power switch and make sure that the screen display turns OFF. Turn OFF the main power switch, check that the "Main Power" lamp has turned OFF, turn OFF the breaker, and then unplug the power plug.

1. Connect the Card Reader to the USB in the Authentication Controller. (Figure 1)
 - (1) Remove the Bottom Cover of the Authentication Controller.
 - (2) Connect the Card Reader to the Smart Card Reader Connection Port (J5).

NOTE: As the Smart Card Reader for HID Prox comes with a Non-slip Rubber that prevents the Smart Card from slipping and falling off, paste it at the position shown in Figure 3. (Figure 3)

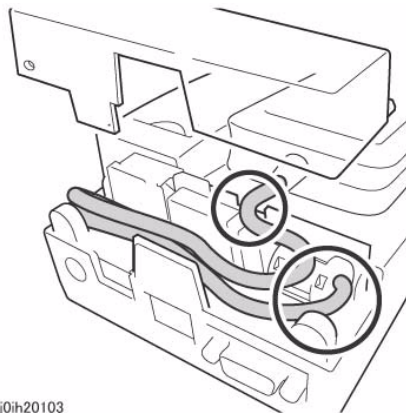


j0ih20106

Figure 1 j0ih20106

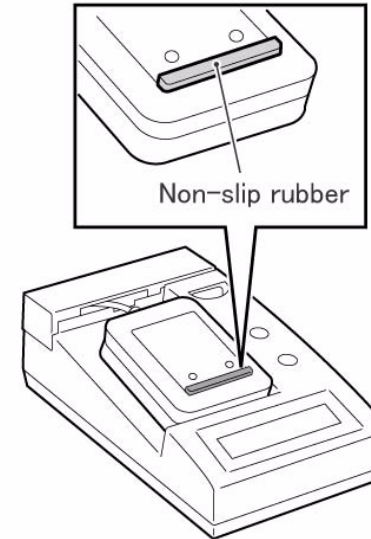
CAUTION

When installing the Bottom Cover, check the cable bend at the Ferrite Core and between the cable and the Bottom Cover to make sure that they do not get pinched. (Figure 2)



j0ih20103

Figure 2 j0ih20103



j0ih20105

Figure 3 j0ih20105

2. Operation Selector Switch Setting (Figure 4)

The operation selector switch of the Authentication Controller can be found inside it and it is set to the EPA side as factory default. For the On-Demand Print Configuration, the configuration with the SFP (refer to External Authentication Link and On-Demand Print) requires the following switching procedure.

- (1) For the On-Demand Print Configuration, set the switch to be on the AC side.
- (2) After making the setting, reinstall the Bottom Cover of the Authentication Controller.

CAUTION

Be sure to turn OFF the power before performing this operation.

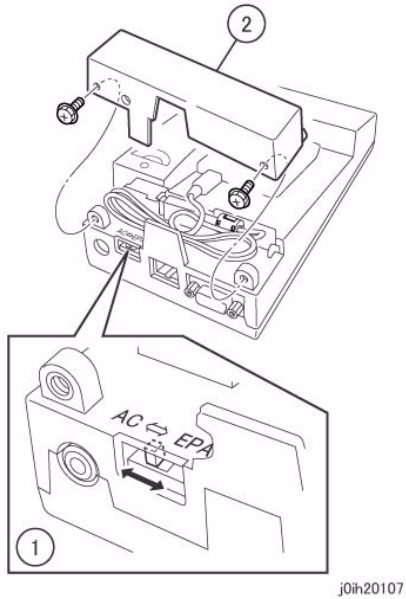


Figure 4 j0ih20107

3. Attach the fastener (x4) to the bottom of the Authentication Controller. (Figure 5)

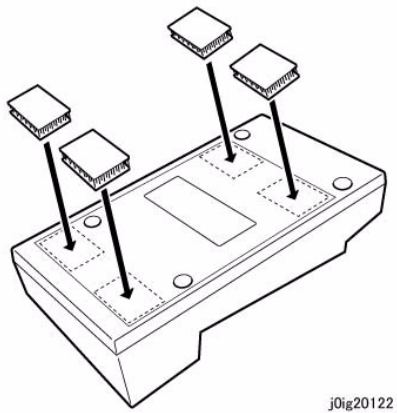


Figure 5 j0ig20122

4. Secure the Authentication Controller to the Accessory Table etc. by using the fastener (x4).
5. Secure the Smart Card Reader by using the fastener (x2). (Figure 6)

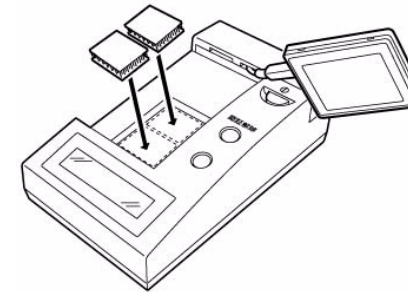


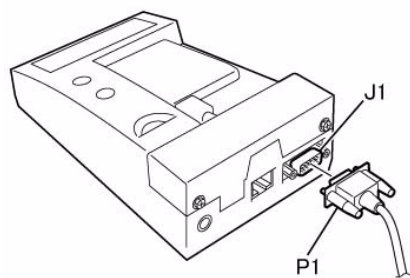
Figure 6 j0ig20123

6. Connect the Connection Cable (14 Pin D-Sub) P2 to the MC J351. (Figure 7)



Figure 7 j0pr80001

7. Connect the Connection Cable (14 Pin D-Sub) P1 to the Authentication Controller J1. (Figure 8)



j0ig20124

Figure 8 j0ig20124

8. Plug in the Power Plug and turn ON the MC.
9. Enter the UI Diag Mode and change the following NVM.
 - Set 850-007 ['0' -> '10'] (Smart Card Reader - stand-alone).
10. Explain to the customer how to operate the machine as necessary.

Chapter 9 Installation/Removal

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9.1.1 Installation of Main Unit

Installation Procedure

Perform installation according to the installation guide.

NOTE: This installation guide is created for the following configuration.

Target configuration for this procedure

- IOT Main Unit
- Large Color Control Panel (Left)

When performing installation for options other than the above at the same time, refer to the following for more efficient servicing.

- 2000 HCF Supplementary Service Manual
- HCF B1-S Supplementary Service Manual
- HCF C1-DS Supplementary Service Manual (Color C75 Press Only)
- HCF C2-DS Supplementary Service Manual (Color J75 Press Only)
- Finisher C/C1/C2 Supplementary Service Manual (Color C75 Press Only)
- Finisher D2/D2P/D3/D4 Supplementary Service Manual
- GBC Advanced Punch A4 Size IBG Manual (APO/GCO Only)
- For other options, refer to the various item in Chapter 9.
- For Accessories, refer to Chapter 8.

1. Check the Bundled Items
Items bundled with the Main Unit
 - (1) Main Unit
 - (2) Tray 1 - Bundled Items

Table 1

No	Name	Qty
1	Stopper	1
2	Stopper Bracket	1
3	Screw (for Stopper)	1
4	Power Cord (FX Only)	1
5	Bracket (for Power Cord)	1
6	Screw (for Power Cord)	1
7	Drawer Screw	1
8	Right Drawer Cover	1
9	Screw (for Right Drawer Cover)	2
10	Clamp (for OCT installation)	2
11	Clamp (DADF-ESS)	1
12	CD Manual Packaging	1
13	Warnings Pamphlet	1
14	Size Label	1
15	[APO, FXHK Only] Label (Caution) (dedicated for FXK, FXTW)	1

Table 1

No	Name	Qty
16	[APO, FXHK Only] Label (Caution) (dedicated for FXK, FXTW)	1
17	[APO, FXHK Only] Switch Label (dedicated for FXK, FXTW)	1

- (3) Tray 1 (storage space) - Bundled items

Table 2

No	Name	Qty
1	Service Log (FX Only)	1
2	NVM Settings List	1
3	Sample Chart	1
4	Software Key Sheet	1
5	Copy Sample	1

Large Color Control Panel Kit - Bundled Items (Figure 1)

Table 3

No	Name	Qty
1	S104 Control Panel Assembly	1
2	Function Label	1

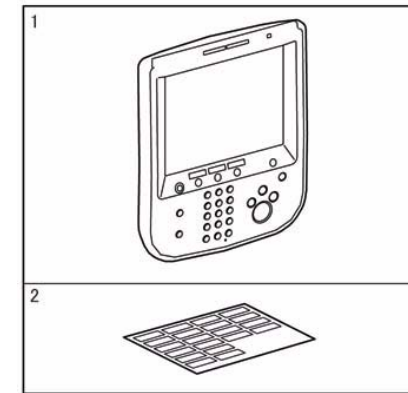


Figure 1 j0mh91201

Large Color Control Panel Installation Kit - Bundled Items (Figure 2)

Table 4

No	Name	Qty
1	Wing Table Assembly	1
2	Right Hinge Cover	1
3	Left Hinge Cover	1
4	Wing Support	2
5	Wing Stopper	2
6	Clamp	1
7	P-Clamp	1
8	Thumbscrew	2
9	Screw (M4x14)	2
10	Screw (M3x6)	9

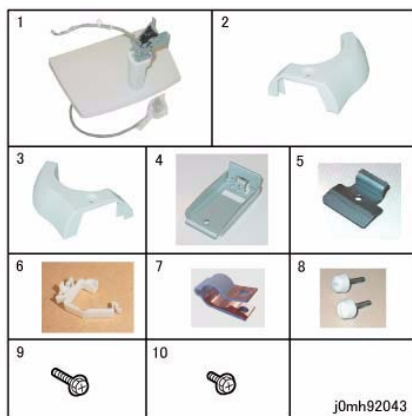


Figure 2 j0mh92043

Toner Cartridge - Bundled Items

Table 5

No	Name	Qty
1	Toner Cartridge (Y)	1
2	Toner Cartridge (M)	1
3	Toner Cartridge (C)	1
4	Toner Cartridge (K)	2

2. Remove the packaging tape and visually check the overall appearance. (Figure 3)



j0pr90001

Figure 3 j0pr90001

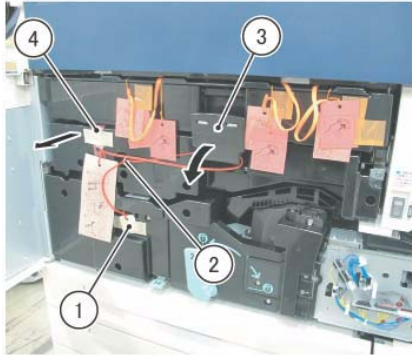
3. Remove the packaging materials within the DADF. (Figure 4)



j0tz90102

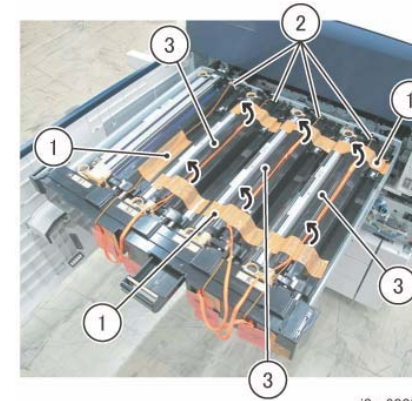
Figure 4 j0tz90102

4. Open the Front Cover.
5. Remove the packaging material within the Main Unit. (Figure 5)
 - (1) Remove the stopper and the spacer.
 - (2) Pull out and remove the pin.
 - (3) Bring down the handle.
 - (4) Pull out and remove the packaging material.



j0pr90002

Figure 5 j0pr90002



j0pr90004

Figure 7 j0pr90004

6. Pull out the XERO/DEVE Drawer Unit. (Figure 6)

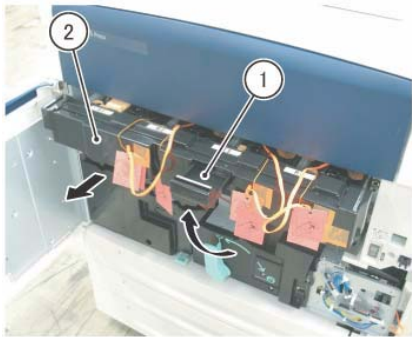
NOTE: When pulling out the XERO/DEVE Drawer Unit, do it quickly to prevent optical fatigue of the Drum.

- (1) Raise the lever.
- (2) Pull out the XERO/DEVE Drawer Unit.

8. Reinstall the XERO/DEVE Drawer Unit.

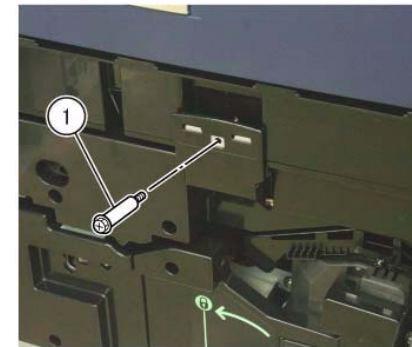
9. Install the Drawer Screw. (Figure 8)

- (1) Tighten the Drawer Screw.



j0pr90003

Figure 6 j0pr90003



j0pi90009

Figure 8 j0pi90009

7. Remove the packaging material. (Figure 7)

- (1) Peel off the tape.
- (2) Remove the packaging material (x4).
- (3) Pull the packaging material (x3) upwards in the direction of the arrow and remove them.

10. Remove the screw (x4). (Figure 9)

- (1) Remove the screw (x2).
- (2) Remove the screw (x2).

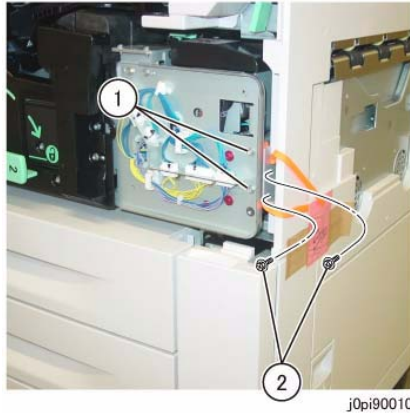


Figure 9 j0pi90010

11. Pull out the Drawer by about 5 cm. (Figure 10)
- (1) Lower the lever.
 - (2) Pull out the Drawer.
 - (3) Remove the packaging material and the Bracket.

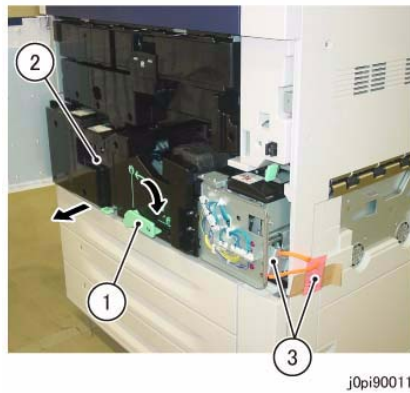


Figure 10 j0pi90011

12. Push in the Drawer. (Figure 11)
- (1) Push in the Drawer.
 - (2) Raise the lever.

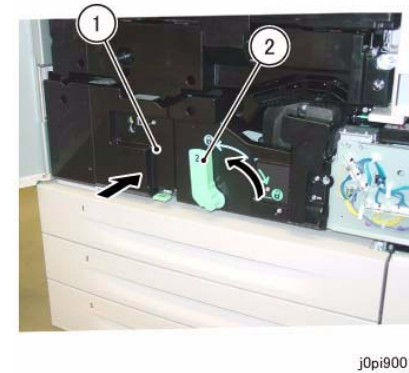


Figure 11 j0pi90012

13. Install the Right Drawer Cover. (Figure 12)
- (1) Install the Right Drawer Cover.
 - (2) Tighten the screw (x2).

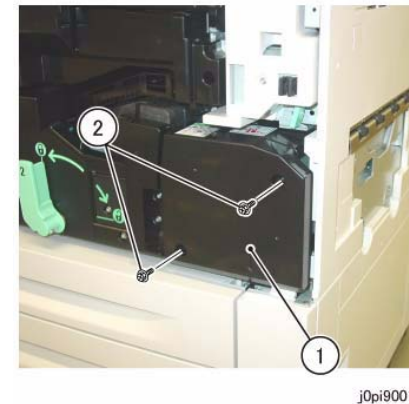


Figure 12 j0pi90013

14. Close the Front Cover.
15. Install the stopper to the Stopper Bracket. (Figure 13)

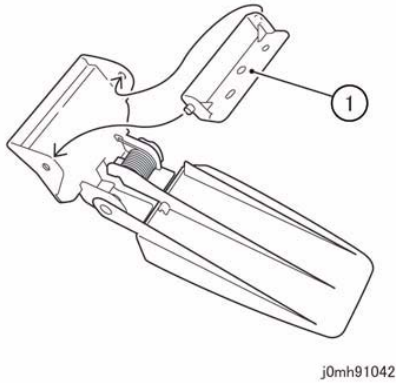


Figure 13 j0mh91042

16. Install the stopper that was assembled in Step 15 to the right of the DADF by using the screw. (Figure 14)

NOTE: As the stopper is a fragile parts that can be easily damaged, explain to the customer to handle the parts with care.

NOTE: Explain to the customer how to use the stopper.

- (1) Install the stopper.
- (2) Tighten the screw.

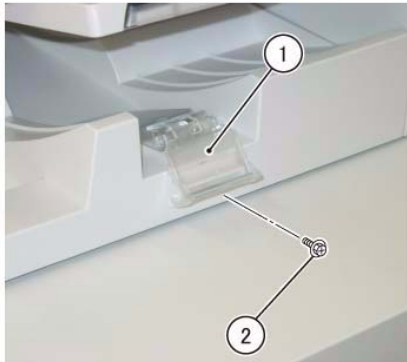


Figure 14 j0pi90014

17. Open the Toner Cartridge Cover.
18. Remove the packaging material from the Toner Cartridge and shake the Toner Cartridge sideways a few times.
19. Install the Toner Cartridge (x5). (Figure 15)

NOTE: Check the Product Code of the Toner Cartridge and make sure that they are meant for the Color J75/C75 Press.

- Toner Cartridge (K): CT201247 (FX)
- Toner Cartridge (C): CT201248 (FX)
- Toner Cartridge (M): CT201249 (FX)
- Toner Cartridge (Y): CT201250 (FX)
- Toner Cartridge (K): CT201243 (APO/FXHK (excluding FXV)), CT202101 (FXV/FXCL)
- Toner Cartridge (C): CT201244 (APO/FXHK (excluding FXV)), CT202102 (FXV/FXCL)
- Toner Cartridge (M): CT201245 (APO/FXHK (excluding FXV)), CT202103 (FXV/FXCL)
- Toner Cartridge (Y): CT201246 (APO/FXHK (excluding FXV)), CT202104 (FXV/FXCL)



Figure 15 j0pi90015

20. Close the Toner Cartridge Cover.
21. Connect the DCDC-1P DUP Cable. (Figure 16)
 - (1) Affix the clamp from the bundle to the position indicated in the figure.
 - (2) Connect the DCDC-1P DUP Cable.
 - (3) Secure the DCDC-1P DUP Cable by using the clamp (x2).
 - (4) Secure the DCDC-1P DUP Cable by using the clamp.

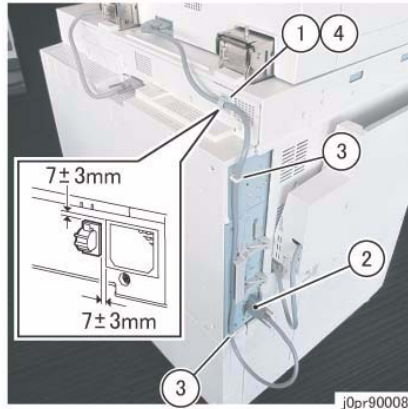


Figure 16 j0pr90008

22. Remove the Blind Cover (x2) from the IIT Left Cover. (Figure 17)
- (1) Remove the Blind Cover (x2).

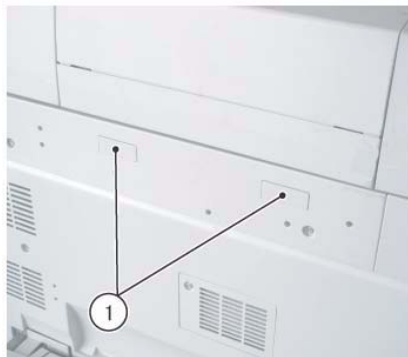


Figure 17 j0pr90010

23. Install the Bracket (x2). (Figure 18)
- (1) Install the Bracket.
 - (2) Tighten the screw (3x6: x2).
 - (3) Install the Bracket.
 - (4) Tighten the screw (3x6: x2).

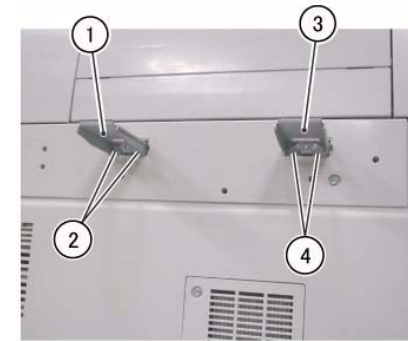


Figure 18 j0hk90019

24. Install the Wing Table Assembly at the position where it is flush with the DADF. (Figure 19)
- (1) Install the Wing Table Assembly.
 - (2) Tighten the screw (3x6: x2).

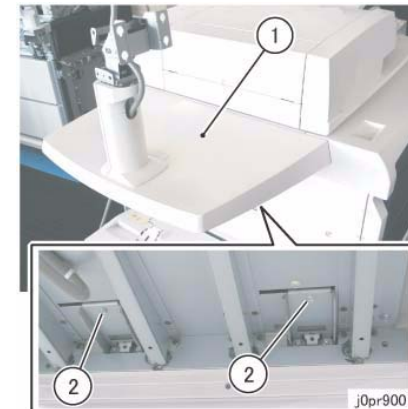
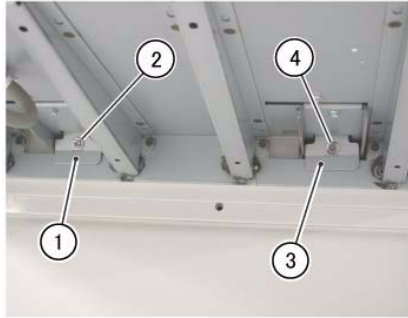


Figure 19 j0pr90011

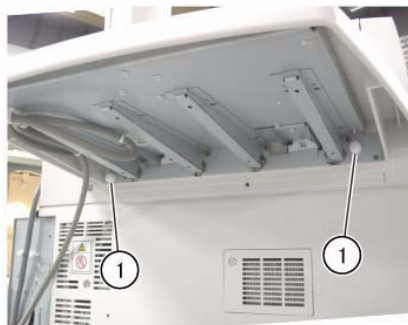
25. Install the Wing Stopper (x2). (Figure 20)
- (1) Install the Wing Stopper.
 - (2) Tighten the screw (4x14).
 - (3) Install the Wing Stopper.
 - (4) Tighten the screw (4x14).



j0hk90021

Figure 20 j0hk90021

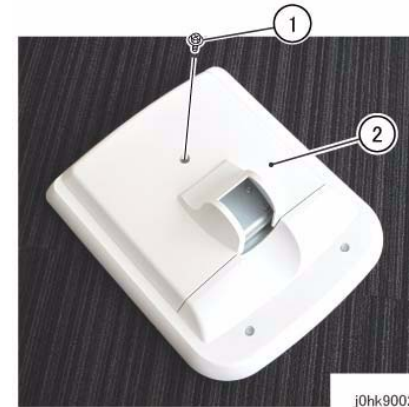
26. Tighten the Thumbscrew (x2). (Figure 21)
 (1) Tighten the Thumbscrew (x2).



j0hk90022

Figure 21 j0hk90022

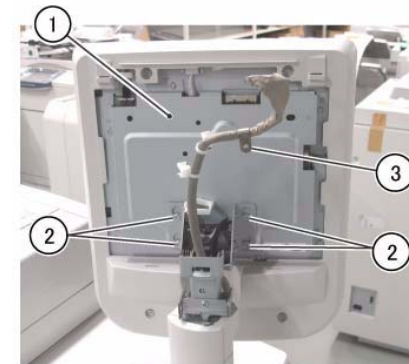
27. Remove the Rear Cover from the S104 Control Panel Assembly. (Figure 22)
 (1) Remove the screw.
 (2) Remove the Rear Cover.



j0hk90023

Figure 22 j0hk90023

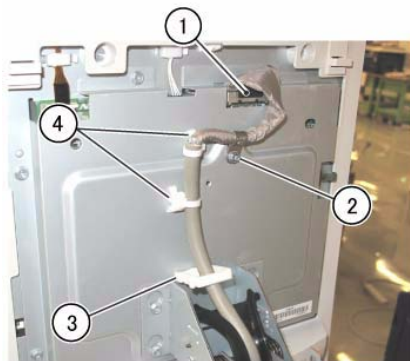
28. Install the S104 Control Panel Assembly to the Wing Table Assembly. (Figure 23)
 (1) Install the S104 Control Panel Assembly.
 (2) Tighten the screw (x4).
 (3) Install the P-Clamp.



j0hk90024

Figure 23 j0hk90024

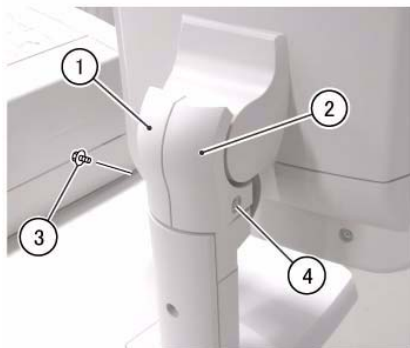
29. Connect the UI Cable. (Figure 24)
 (1) Connect the connector.
 (2) Secure the P-Clamp by using the screw (3x6).
 (3) Secure the UI Cable by using the clamp.
 (4) Install the clamp (x2) of the UI Cable.



j0hk90025

Figure 24 j0hk90025

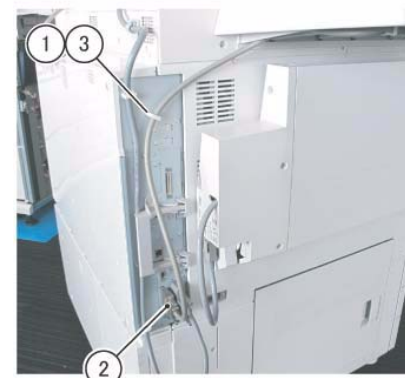
30. Reinstall the Rear Cover that was removed in Step 27.
31. Install the Right Cover and the Left Cover. (Figure 25)
 - (1) Install the Right Cover.
 - (2) Install the Left Cover.
 - (3) Tighten the screw (3x6).
 - (4) Tighten the screw (3x6).



j0hk90026

Figure 25 j0hk90026

32. Connect the UI Cable for S104 Control Panel Assembly. (Figure 26)
 - (1) Install the clamp from the bundle.
 - (2) Connect the UI Cable.
 - (3) Secure the UI Cable by using the clamp.

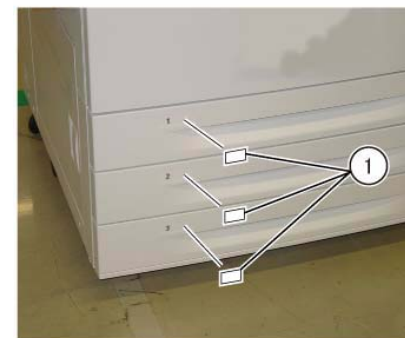


j0pr90012

Figure 26 j0pr90012

33. Load paper in Tray 1/2/3.

NOTE: Make sure that there are no bundled items left in Tray 1.
34. Paste the Size Label that matches the loaded paper. (Figure 27)
 - (1) Paste the Size Label.



j0pi90017

Figure 27 j0pi90017

35. [FXK/FXTW Only]

Paste the label (x3) from the bundle to the position indicated in the figure. However, do not peel off any existing label. Paste over them instead.

 - Open the DADF, paste the Label (Caution), and close the DADF. (Figure 28)

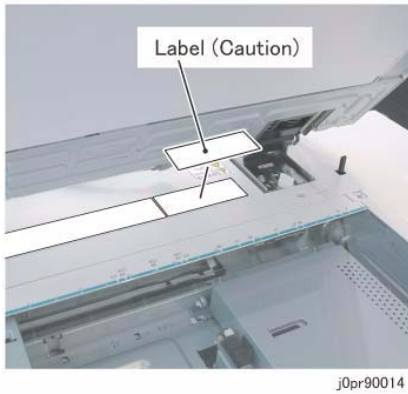


Figure 28 j0pr90014



Figure 30 j0pr90005

- Open the Front Cover, paste the Label (Caution) and the Switch Label, and close the Front Cover. (Figure 29)

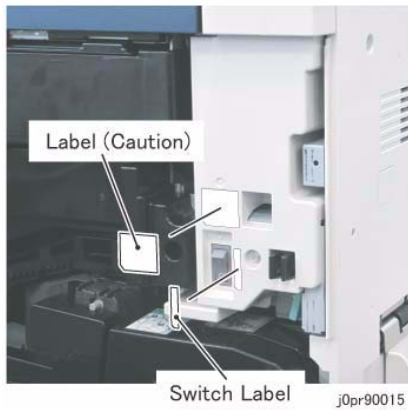


Figure 29 j0pr90015

- 38. Install the Bracket for Power Cord by using the screw. (Figure 31)



Figure 31 j0pr90006

- 36. Connect the Ethernet Cable.
- 37. Connect the Power Cord to the Main Unit. (Figure 30)

- 39. Move the machine into position and lower the Feet (x2). (Figure 32)



Figure 32 j0pr90007



Figure 34 j0pr90013

40. Check that the Power Breaker is turned OFF and then plug the Power Plug into the power outlet. (Figure 33)



Figure 33 j0pr90009

43. Close the Front Cover.
44. The Install Wizard will start up. Follow the instructions on the screen to perform operations.
45. On the [Language] screen, select the display language and select [Save]. (Figure 35)

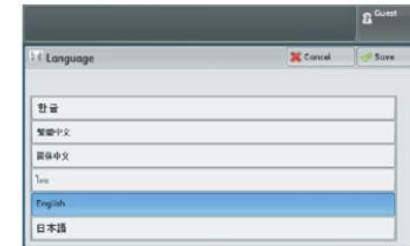


Figure 35 j0pr90020

41. Turn ON the Power Breaker.
42. Open the Front Cover and turn ON the Main Power Switch, followed by the Power Switch. (Figure 34)

46. Perform the initial settings by following the Steps displayed on the screen. (Figure 36)



j0pr90021

Figure 36 j0pr90021

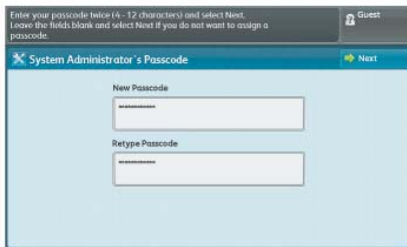
47. Set the System Administrator's Passcode. (Figure 37)



j0pr90023

Figure 38 j0pr90023

49. Set the Time. (Figure 39)



j0pr90022

Figure 37 j0pr90022

48. Set the Date. (Figure 38)



j0pr90024

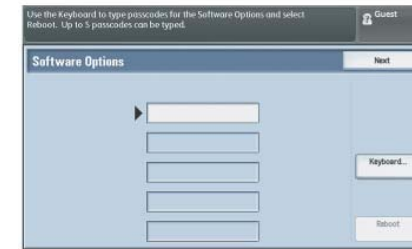
Figure 39 j0pr90024

50. Set the permission for Software Download via Network. (Figure 40)



j0pr90025

Figure 40 j0pr90025



j0pr90027

Figure 42 j0pr90027

51. Perform the Screen / Button Settings and the IP Address Settings. (Figure 41)
- (1) Set the Screen Default according to the customer's request.
 - (2) Set the IP Address by using the TCP/IP - IP Mode. (IPv4 Mode, IPv6 Mode, Dual Stack)

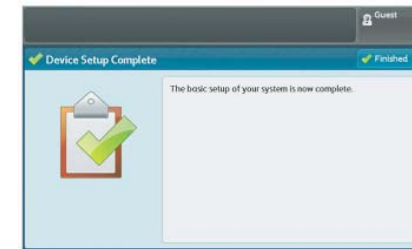


j0pr90026

Figure 41 j0pr90026

52. Set the Software Options. (Figure 42)
Enter the Software Key for the various Software Options as required.

53. This completes the initial settings. (Figure 43)



j0pr90028

Figure 43 j0pr90028

54. Keep the pin that was removed in Step 5, the screw (x4) that were removed in Step 10, and the Bracket that was removed in Step 11. (They are used during removal.)
55. Use the Test Pattern (499T 00276) to obtain a Copy Sample and verify that there are no problems with the alignment and image quality.
56. Perform connection to the PX750 Print Server.
For details, refer to the PX750 Print Server Service Manual.
57. If the settings at the PX750 Print Server is different from the customer's environment, perform this while checking the environment.
A CE will perform the following during the installation:
- Set the PX750 Print Server to match the customer's environment.

- Install the Printer Driver to a Client PC and create an environment where printing can be performed.
- Configure the settings (network settings / environment settings / calibration) as described in the Installation Order.

For operations other than those stated above, check with the sales department before performing them.

58. Perform settings for the Main Unit.
59. Install the Printer Driver to a Client PC and perform a print check.
60. Keep the NVM Settings List, Service Log (FX Only), Software Key Sheet, Detection Sample, and Copy Sample in the front right pocket of Tray 1.
61. Give the set of Manual Package to the customer and request that they DO NOT keep it in an unused Tray or the empty space in any Tray. (This is to prevent problems such as abnormal noise during Tray Lift Up (Motor out-of-step) or them being mis-detected as paper, etc. from occurring)
62. Explain to the customer how to operate the machine where necessary.
63. Record the following V Code in the Service Report. (FX Only)

Table 6

Type	V Code	Note
Caster Locked	447V	Check and report whenever this is performed and at every service call.
Caster Locked/Motion Prevention Stopper Affixed	448V	Check and report whenever both of these are performed and at every service call.

64. Explain the following Caster Lock related items to the customer where necessary. (FX Only)
 - Caster Lock: This is not for earthquake preparedness, but to prevent the machine from shifting about.
 - Caster Lock/Motion Prevention Stopper Fixture: This is not for earthquake preparedness, but to prevent the machine from toppling when something is leaned against it.

9.1.2 Installation of OCT (Color C75 Press)

Product Code

OCT: ED200026

OCT Exit Fan Kit: ED200617 (FX)/ED200619 (APO/GCO)

Installation Procedure

1. Before Installation

When installing this Kit, also prepare the OCT Exit Fan Kit (Product Code: ED200617 (FX)/ED200619 (APO/GCO)) and perform the installation in sequence.

2. Check the Bundled Items.

OCT - Bundled Items

- (1) OCT
- (2) Screw

OCT Exit Fan Kit - Bundled Items (Figure 1)

- (1) Cover
- (2) Exit Fan Assembly
- (3) Knob
- (4) Support
- (5) Fan Support
- (6) Wire Harness
- (7) Screw (M4x8: x4) (not shown in the illustration)
- (8) Screw (M4x16: x2) (not shown in the illustration)
- (9) Screw (M4x6: x2) (not shown in the illustration)
- (10) Tapping Screw (not shown in the illustration)

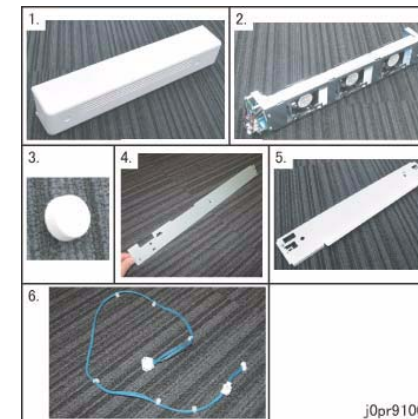


Figure 1 j0pr91001

3. Turn OFF the Power Switch and make sure that the screen display turns OFF.

CAUTION

When turning OFF the Power Switch, check that the "Data" lamp turns OFF. Also, press <Job Status> and check that there are no jobs in progress/in the queue.

If you turn OFF the Power Switch while the "Data" lamp is ON or there is a job in progress/in the queue, the data may be lost.

4. Turn OFF the Main Power Switch and the Breaker and unplug the Power Plug.

WARNING

When performing machine maintenance, turn OFF the Main Power Switch, check that the "Main Power" lamp has turned OFF, turn OFF the Breaker and then unplug the Power Plug.

5. Remove the screw (x2) on the Right Upper Rear Cover and remove it. (Figure 2)



j0pr91002

Figure 2 j0pr91002

6. Remove the screw (x2) on the Right Upper Cover Assembly and remove it. (Figure 3)

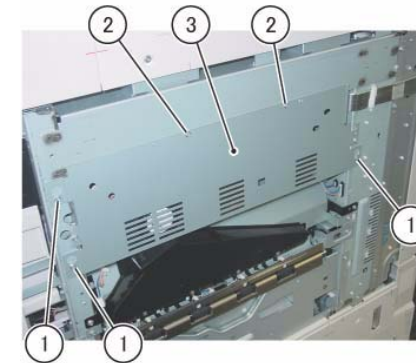


j0pr91003

Figure 3 j0pr91003

7. Remove the Plate. (Figure 4)

- (1) Loosen the screw (x3).
- (2) Remove the screw (x2).
- (3) Remove the Plate.

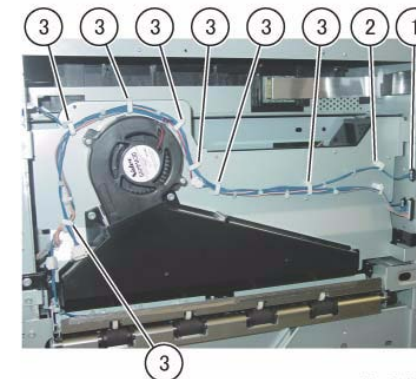


j0pr91004

Figure 4 j0pr91004

8. Pull out the wire harness for the Exit Fan and roll it into a coil. (Figure 5)

- (1) Connect the connector.
- (2) Insert the clamp of the wire harness.
- (3) Secure the wire harness by using the clamp (x7).



j0pr91005

Figure 5 j0pr91005

9. Reinstall the Plate that was removed in Step 7.

10. Install the support. (Figure 6)

- (1) Insert the connector of the wire harness into the support.

- (2) Install the support and tighten the screw (M4x6: x2).
- (3) Tighten the Tapping Screw.

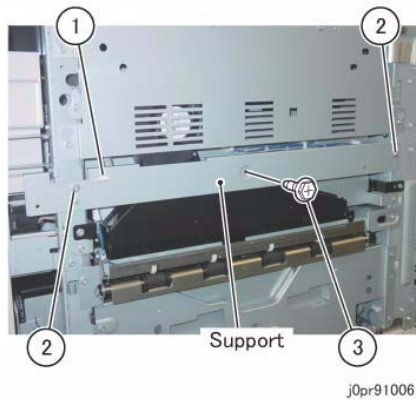


Figure 6 j0pr91006

- 11. Remove the cover from the Right Upper Cover Assembly that was removed in Step 6. (Figure 7)
 - (1) Remove the cover.

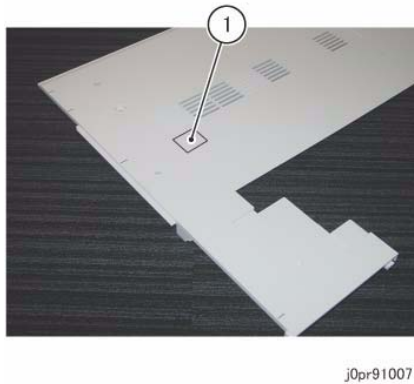


Figure 7 j0pr91007

- 12. Reinstall the Right Upper Cover Assembly.
- 13. Reinstall the Right Upper Rear Cover that was removed in Step 5.
- 14. Install the Fan Support. (Figure 8)
 - (1) Install the Fan Support and tighten the screw (M4x16: x2).

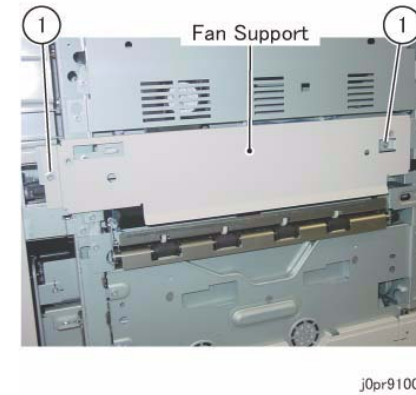


Figure 8 j0pr91008

- 15. Install the Exit Fan Assembly. (Figure 9)
 - (1) Connect the connector.
 - (2) Install the Exit Fan Assembly and tighten the screw (M4x8: x2).

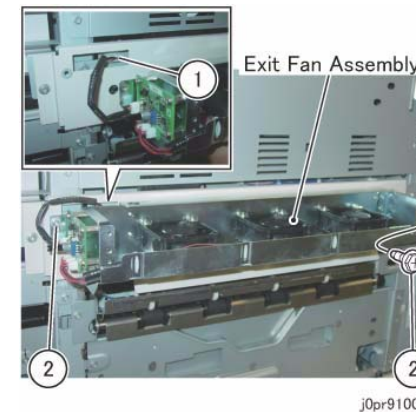


Figure 9 j0pr91009

- 16. Install the cover. (Figure 10)
 - (1) Install the cover and tighten the screw (M4x8: x2).

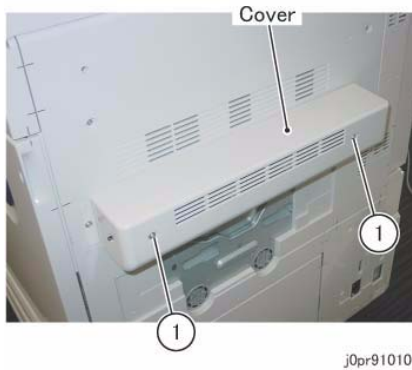


Figure 10 j0pr91010

17. Install the Knob. (Figure 11)



Figure 11 j0pr91011

18. Install the clamp (x2) that came bundled with the Main Unit, which were set aside during the installation. (Figure 12)

- (1) Install the clamp (x2).

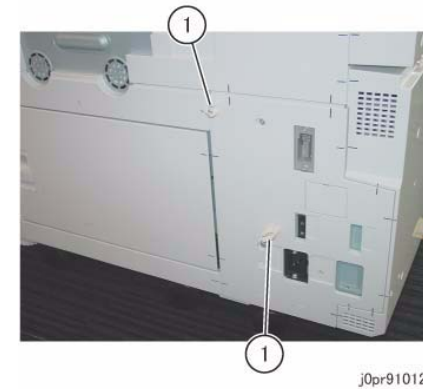


Figure 12 j0pr91012

19. Install the OCT. (Figure 13)

NOTE: Insert the OCT into the inner side of the Exit Lower Chute.

- (1) Install the OCT and move it to the front.
- (2) Tighten the screw.



Figure 13 j0pr91013

20. Connect the OCT connector. (Figure 14)
 - (1) Connect the connector.
 - (2) Secure the cable by using the clamp (x2).

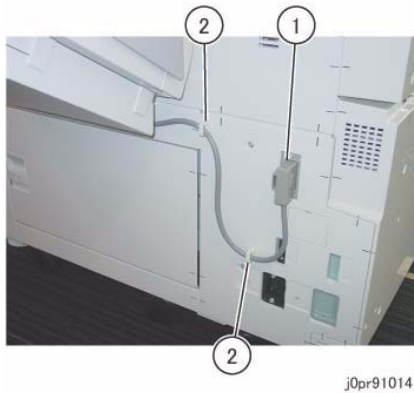


Figure 14 j0pr91014

21. Check the operations of the OCT and OCT Exit Fan.

NOTE: The Motor of OCT Exit Fan can be operated by going into [Component Control], inputting the "Chain-Link": "042-040", and pressing <Start>.

22. [FX Only]: Create a report with the following Mod No.
OCT: 207V

9.1.3 Installation of Scan Feature Extension Kit

Product Code

- EM100321

NOTE: The Scan Feature Extension Kit can be installed together with the Gigabit Ethernet Board or the Image Extension Kit (Color C75 Press not installed).

The combination and installation slots for the various Kits are as follows. (Figure 1)

Table 1

	Image Compression Kit	Gigabit Ethernet Board + Scan Feature Extension Kit	Scan Feature Extension Kit + Image Extension Kit (Color C75 Press not installed)
SLOT 0	Can be installed	Gigabit Ethernet Board	Scan Feature Extension Kit
SLOT 1	Can be installed	Scan Feature Extension Kit	Image Extension Kit (Color C75 Press not installed)

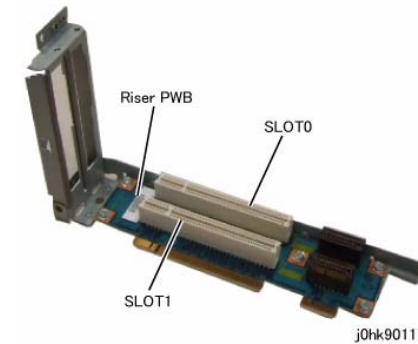


Figure 1 j0hk90117

Installation Procedure

NOTE: Do not touch the plated terminal on the electrical parts directly with your bare hands.

CAUTION

Static electricity may damage electrical parts. Always wear a wrist band during servicing.

If a wrist band is not available, touch some metallic parts before servicing to discharge the static electricity.

1. Check the Bundled Items.

Table 2

No	Name	Qty
1	Image COMP PWB	1
2	Riser PWB	1
3	Knurling Screw	2
4	Plate	1

2. Turn OFF the Power Switch and make sure that the screen display turns OFF.

CAUTION

When turning OFF the Power Switch, check that the "Data" lamp turns OFF. Also, press <Job Status> and check that there are no jobs in progress/in the queue.

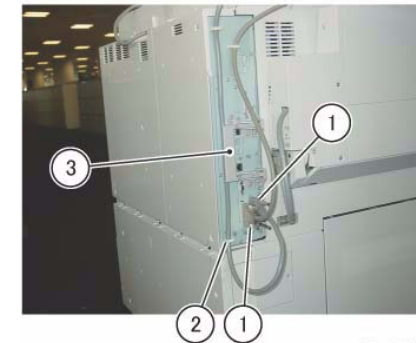
If you turn OFF the Power Switch while the "Data" lamp is ON or there is a job in progress/in the queue, the data may be lost.

3. Turn OFF the Main Power Switch and the Breaker and unplug the Power Plug.

WARNING

When performing machine maintenance, turn OFF the Main Power Switch, check that the "Main Power" lamp has turned OFF, turn OFF the Breaker and then unplug the Power Plug.

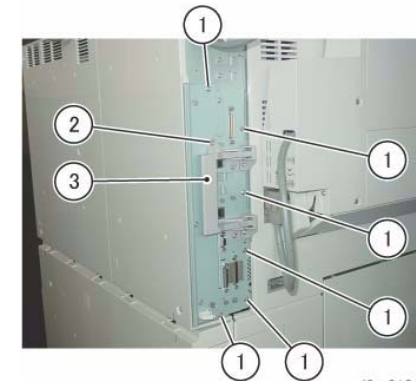
4. If the machine has the HCF attached, detach the HCS.
5. Disconnect all cables that are connected to the Control Unit. (Figure 2)
 - (1) Disconnect the connector (x2).
 - (2) Release the clamp and remove the cable.
 - (3) Remove the cable from the Handle.



j0pr91015

Figure 2 j0pr91015

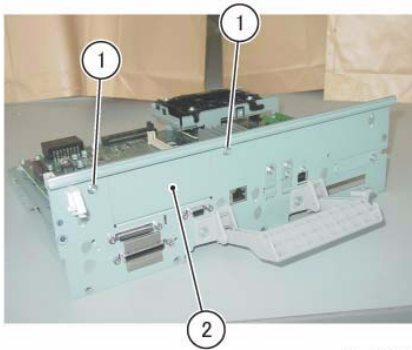
6. Pull out the Control Unit. (Figure 3)
 - (1) Remove the screw (x6) that secure the Control Unit.
 - (2) Remove the screw that secure the Handle.
 - (3) Open the Handle and pull out the Control Unit.



j0pr91016

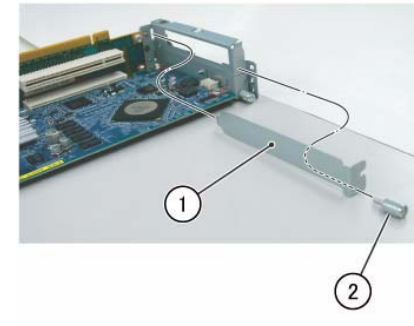
Figure 3 j0pr91016

7. Remove the Plate. (Figure 4)
 - (1) Remove the screw (x2).
 - (2) Remove the Plate.



j0pr91017

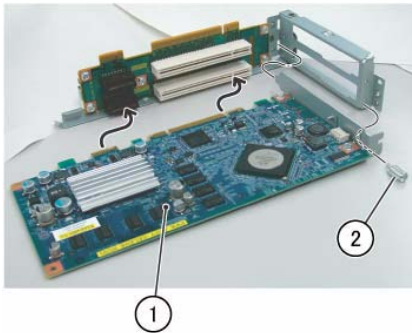
Figure 4 j0pr91017



j0ki91061

Figure 6 j0ki91061

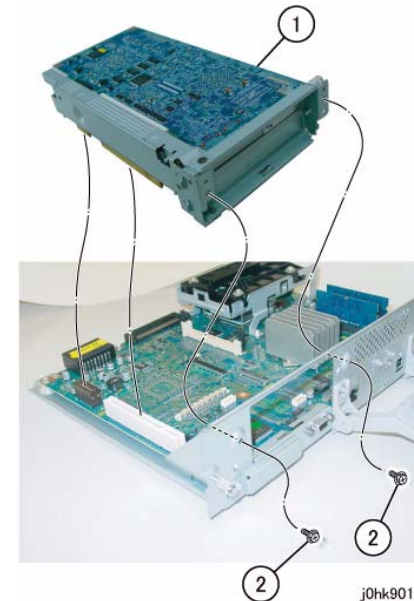
8. Install the Image COMP PWB to the Riser PWB by using the Knurling Screw. (Figure 5)
 - (1) Install the Image COMP PWB.
 - (2) Secure it by using the Knurling Screw.



j0ki91060

Figure 5 j0ki91060

9. Install the Plate to the Riser PWB by using the Knurling Screw. (Figure 6)
 - (1) Install the Plate.
 - (2) Secure it by using the Knurling Screw.



j0hk90147

Figure 7 j0hk90147

10. Install the Image COMP PWB Assembly that was assembled in Step 8 and Step 9 by using the screw (x2) that were removed in Step 7. (Figure 7)
 - (1) Install the Image COMP PWB Assembly.
 - (2) Secure it by using the screw (x2).

11. Perform Step 4 to Step 6 in reverse to return the machine to its original state.

12. Plug in the Power Plug and turn ON the Power Switch.
13. Refer to the Instruction Manual to check whether PDF, DocuWorks, and XPS can be stored in high compression.
14. [FX Only]: Create a report with the following Mod No.
Scan Feature Extension Kit: 237V

9.1.4 Installation of Gigabit Ethernet Kit

Product Code

- EC101517

NOTE: The Gigabit Ethernet Kit can be installed together with the Scan Feature Extension Kit or the Image Extension Kit (Color C75 Press not installed).

The combination and installation slots for the various Kits are as follows. (Figure 1)

Table 1

	Gigabit Ethernet Kit	Gigabit Ethernet Kit + Scan Feature Extension Kit	Gigabit Ethernet Kit + Image Extension Kit (Color C75 Press not installed)
SLOT 0	Already installed at shipment	Gigabit Ethernet Kit	Gigabit Ethernet Kit
SLOT 1	Cannot be installed	Scan Feature Extension Kit	Image Extension Kit (Color C75 Press not installed)

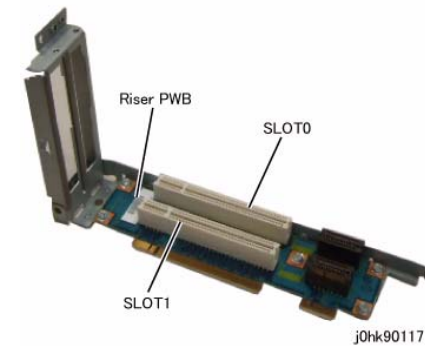


Figure 1 j0hk90117

Installation Procedure

NOTE: Do not touch the plated terminal on the electrical parts directly with your bare hands.

CAUTION

Static electricity may damage electrical parts. Always wear a wrist band during servicing.

If a wrist band is not available, touch some metallic parts before servicing to discharge the static electricity.

1. Check the Bundled Items.

Table 2

No	Name	Qty
1	Gigabit Ethernet PWB Assembly	1
2	Seal	1
3	Instruction Manual	1

2. Turn OFF the Power Switch and make sure that the screen display turns OFF.

CAUTION

When turning OFF the Power Switch, check that the "Data" lamp turns OFF. Also, press <Job Status> and check that there are no jobs in progress/in the queue.

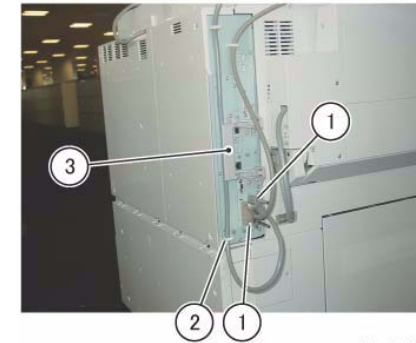
If you turn OFF the Power Switch while the "Data" lamp is ON or there is a job in progress/in the queue, the data may be lost.

3. Turn OFF the Main Power Switch and the Breaker and unplug the Power Plug.

WARNING

When performing machine maintenance, turn OFF the Main Power Switch, check that the "Main Power" lamp has turned OFF, turn OFF the Breaker and then unplug the Power Plug.

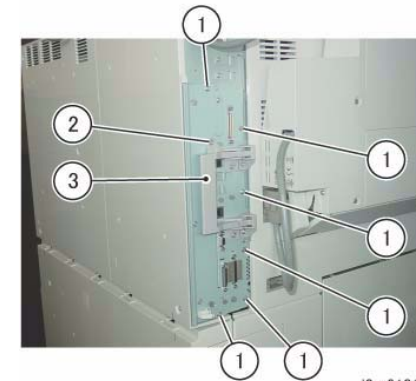
4. If the machine has the HCF attached, detach the HCS.
5. Disconnect all cables that are connected to the Control Unit. (Figure 2)
 - (1) Disconnect the connector (x2).
 - (2) Release the clamp and remove the cable.
 - (3) Remove the cable from the Handle.



j0pr91015

Figure 2 j0pr91015

6. Pull out the Control Unit. (Figure 3)
 - (1) Remove the screw (x6) that secure the Control Unit.
 - (2) Remove the screw that secure the Handle.
 - (3) Open the Handle and pull out the Control Unit.



j0pr91016

Figure 3 j0pr91016

7. Remove the Plate. (Figure 4)
 - (1) Remove the screw (x2).
 - (2) Remove the Plate.

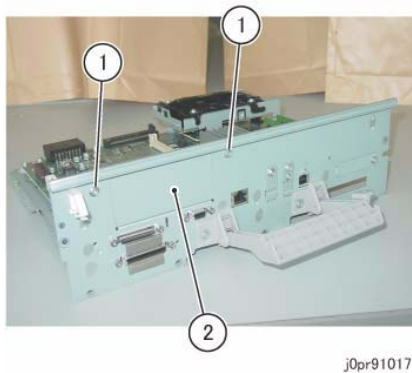


Figure 4 j0pr91017



Figure 6 j0pr91019

8. Install the Gigabit Ethernet PWB Assembly by reusing the screw (x2) that were removed in Step 7. (Figure 5)
 - (1) Insert the PWB of Gigabit Ethernet PWB Assembly into the connector (x2) of the ESS PWB.
 - (2) Secure it by using the screw (x2).

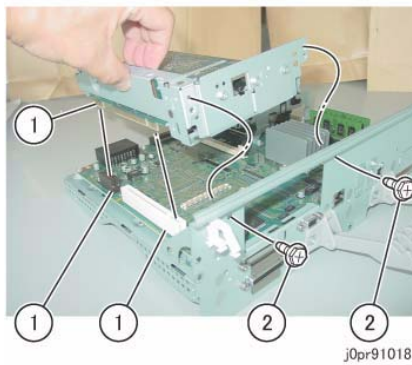


Figure 5 j0pr91018

9. Paste the Seal. (Figure 6)
 - (1) Paste the seal.

10. Perform Step 4 to Step 6 in reverse to return the machine to its original state.
11. Connect the Network Cable to the interface connector of the Gigabit Ethernet. (Figure 7)
 - (1) Connect the Network Cable.

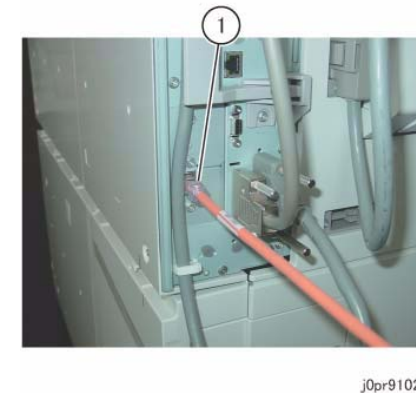


Figure 7 j0pr91020

12. Plug in the Power Plug and turn ON the Power Switch.
13. Press <Machine Status> and select [Machine Configuration]. Verify that [Gigabit Ethernet Board] is displayed with [Installed] status.
14. [FX Only]: Create a report with the following Mod No.
Gigabit Ethernet Kit: 238V

9.1.5 Installation of USB Expansion Kit

Product Code

- EC101776

NOTE: Although the Hub PWB has 4 ports, only up to 2 ports can be used.

Installation Procedure

1. Check the Bundled Items. (Figure 1)

Table 1

No	Name	Qty
1	Hub PWB	1
2	Wire Harness	1
3	USB Cable	1
4	Bracket	1
5	Screw	5
6	Clamp (large)	1
7	Clamp (small)	1

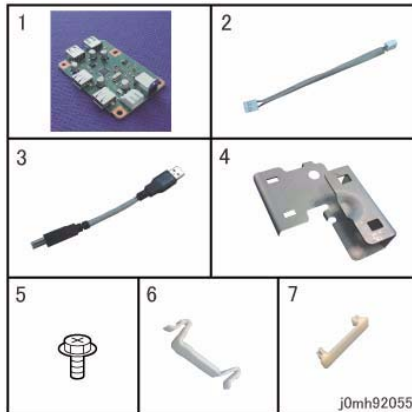


Figure 1 j0mh92055

2. Turn OFF the Power Switch and make sure that the screen display turns OFF.

CAUTION

When turning OFF the Power Switch, check that the "Data" lamp turns OFF. Also, press <Job Status> and check that there are no jobs in progress/in the queue.

If you turn OFF the Power Switch while the "Data" lamp is ON or there is a job in progress/in the queue, the data may be lost.

3. Turn OFF the Main Power Switch and the Breaker and unplug the Power Plug.

WARNING

When performing machine maintenance, turn OFF the Main Power Switch, check that the "Main Power" lamp has turned OFF, turn OFF the Breaker and then unplug the Power Plug.

4. Remove the Rear Upper Cover Assembly. (Figure 2)
 - (1) Remove the screw (x5).
 - (2) Remove the Rear Upper Cover.

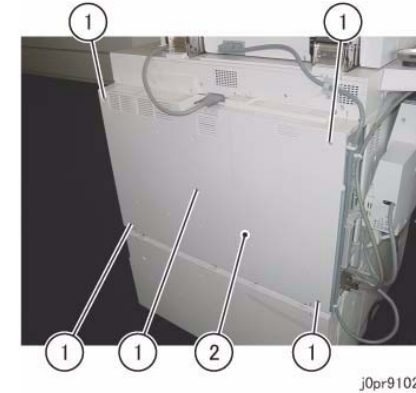


Figure 2 j0pr91021

5. Remove the Panel. (Figure 3)
 - (1) Remove the screw.
 - (2) Remove the Panel.

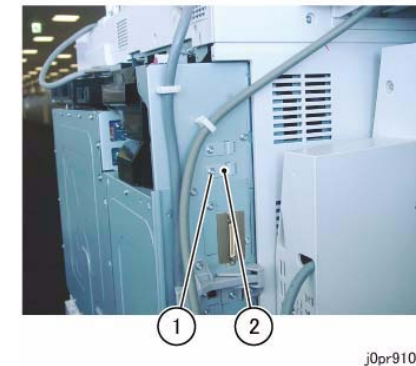


Figure 3 j0pr91022

6. Remove the ESS Duct. (Figure 4)

- (1) Remove the screw.
- (2) Loosen the screw.
- (3) Remove the ESS Duct.

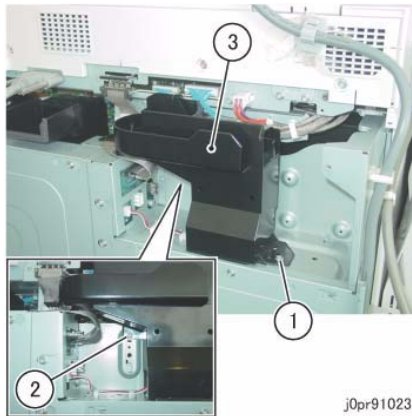


Figure 4 j0pr91023

7. Install the Hub PWB. (Figure 5)

- (1) Secure the Hub PWB by using the screw (x4) provided in the Kit.

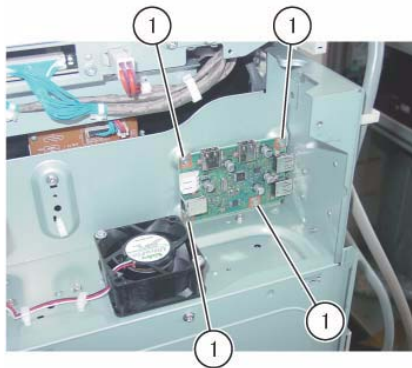
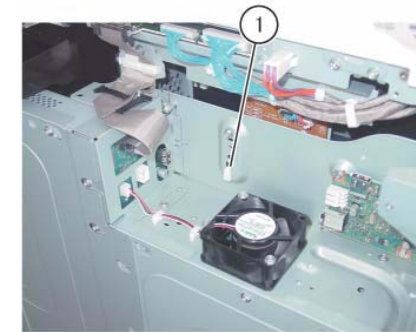


Figure 5 j0pr91028

8. Remove the clamp. (Figure 6)

- (1) Remove the clamp.



j0pr91024

Figure 6 j0pr91024

9. Install the Bracket. (Figure 7)

- (1) Install the Bracket.
- (2) Tighten the screw.



j0pr91025

Figure 7 j0pr91025

10. Connect the USB Cable and the wire harness. (Figure 8)

- (1) Connect the USB Cable.
- (2) Connect the wire harness.
- (3) Secure the USB Cable by using the clamp (large).
- (4) Attach the clamp (small) and secure the wire harness.

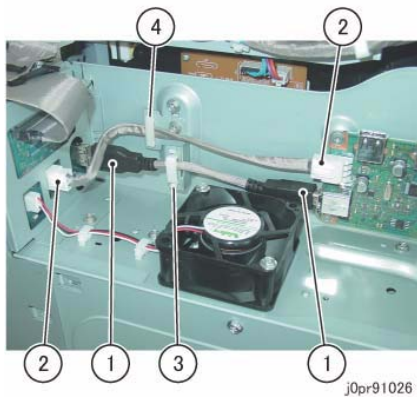


Figure 8 j0pr91026

11. Perform Step 4 and Step 6 in reverse to reinstall the removed parts.
12. Plug in the Power Plug and turn ON the Power Switch.
13. Connect a device that can use the USB connection and verify that it is operating normally. (Figure 9)

NOTE: Install covers on the ports that are not used.



Figure 9 j0pr91027

14. Create a report with the following Mod No. (FX Only)
USB Expansion Kit: 239V

9.1.6.1 Installation of I/F Module (Color C75 Press)

NOTE: This is required when installing the OCT or an Output Option other than the Finisher C2 to the Main Unit.

- Product Code:
I/F Module: QD200045
- Power Cord (3 Pin): EM100188 (FX: Option)
- Power Cord (3 Pin): ED200145 (FXA/FXNZ: Option)
- Power Cord (3 Pin): ED200146 (FXS/FXM/FXHk: Option)
- Power Cord (3 Pin): ED200147 (AG/FXV: Option)
- Power Cord (3 Pin): ED200148 (FXP: Option)
- Power Cord (3 Pin): EL200600 (FXCL: Option)
- Power Cord (3 Pin): ED200168 (FXK: Option)
- Power Cord (3 Pin): EM200238 (FXTW: Option)
- Power Cord (3 Pin): EL200915 (FXTH: Option)
- I/F Cable (short): EM200215 (Option)

Installation Procedure

1. Open the package that comes with the Interface Module and check the bundled/separate order items. (Figure 1)

Table 1

No.	Name	Qty
1	Earth Plate (front side)	1
2	Power Cord Protector Bracket	1
3	Docking Plate	1
4	Screw (M3)	3
5	Screw (for installation of Docking Plate) (M4x16)	2
6	Power Cord (Option)	1
7	I/F Cable (short) (Option)	1



Figure 1 j0ia90001

2. Turn OFF the Power Switch and make sure that the screen display turns OFF.

CAUTION

When turning OFF the Power Switch, check that the "Data" lamp turns OFF. Also, press <Job Status> and check that there are no jobs in progress/in the queue.

If you turn OFF the Power Switch while the "Data" lamp is ON or there is a job in progress/in the queue, the data may be lost.

3. Turn OFF the Main Power Switch and the Breaker and unplug the Power Plug.

WARNING

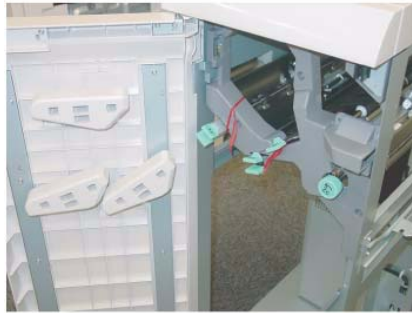
When performing machine maintenance, turn OFF the Main Power Switch, check that the "Main Power" lamp has turned OFF, turn OFF the Breaker and then unplug the Power Plug.

4. Remove the tape that secure the Interface Module. (Figure 2)



Figure 2 j0ia90002

5. Open the Front Door and remove the securing ribbon of the chute. (Figure 3)



j0ia90003

Figure 3 j0ia90003

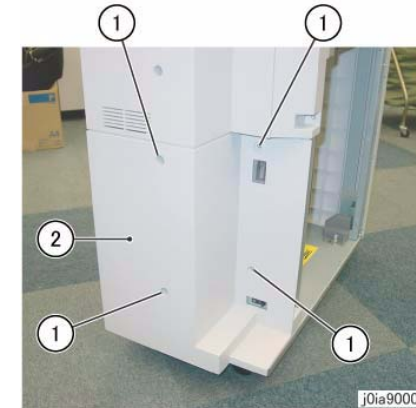
6. Remove the securing material. (Figure 4)
 - (1) Lower the chute (2b).
 - (2) Remove the securing material.



j0ib90021

Figure 4 j0ib90021

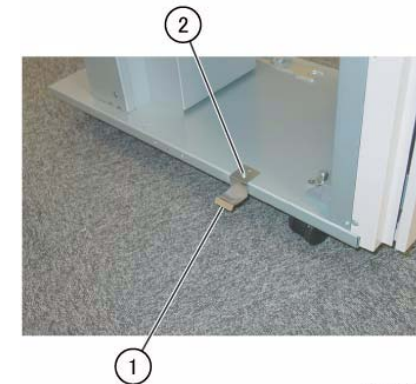
7. Remove the Rear Lower Cover of the Interface Module. (Figure 5)
 - (1) Remove the screw (x4).
 - (2) Remove the Rear Lower Cover.



j0ia90004

Figure 5 j0ia90004

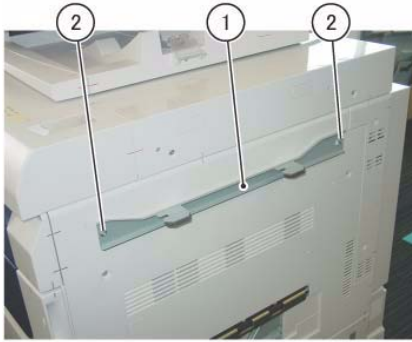
8. Install the Earth Plate (front side) to the Interface Module. (Figure 6)
 - (1) Install the Earth Plate at the front.
 - (2) Secure it by using the screw (M3) from the bundle.



j0ia90005

Figure 6 j0ia90005

9. Install the Docking Plate to the Main Unit by using the screw (M4x16: x2) from the bundle. (Figure 7)
 - (1) Install the Docking Plate.
 - (2) Secure the Docking Plate by using the screw (M4x16: x2).



j0ib90022

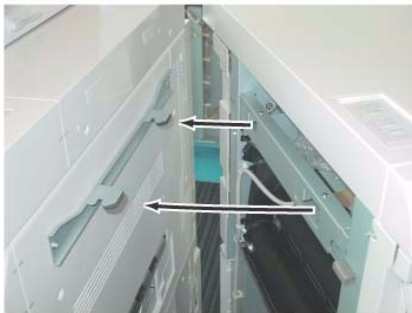
Figure 7 j0ib90022

10. Align the hook of the Main Unit Docking Plate to the docking slot of the Interface Module and push in the Interface Module until they lock. (Figure 8)

At the same time, visually check that the gasket of the Earth Plate seals properly with no gap.

- If there is any gap at the Earth Plate and it does not seal properly, or if the hook of the Main Unit Docking Plate do not match the height of the docking slot of the Interface Module, perform Step 11 to adjust the height of the Interface Module Caster.

Reference: Although the Interface Module shown in Figure 8 is another type of Interface Module, it will not cause any problem with this operation.



j0ib90023

Figure 8 j0ib90023

11. Use the provided wrench to adjust the height of the Interface Module Caster as required.

- (1) Remove the screw from the Interface Module to extract the wrench. (Figure 9)



j0ia90008

Figure 9 j0ia90008

- (2) Front Caster. (Figure 10)



j0ia90009

Figure 10 j0ia90009

- (3) Rear Caster. (Figure 11)

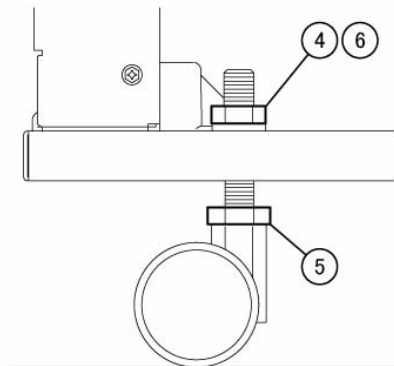


3

j0ia90010

Figure 11 j0ia90010

- (4) Use the wrench to loosen the Securing Nut. (Figure 12)
- (5) Use the wrench to turn the Hexagonal Bolt and adjust the height. (Figure 12)
- (6) Use the wrench to tighten the Securing Nut. (Figure 12)



j0ia90011

Figure 12 j0ia90011

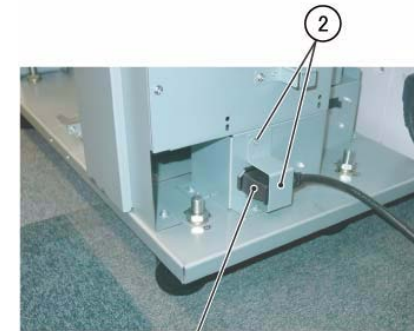
12. Secure the Latch Stopper by using the screw (M3) from the bundle. (Figure 13)



j0ia90012

Figure 13 j0ia90012

13. Connect the Power Cord to the Interface Module. (Figure 14)
 - (1) Plug the Power Cord into the inlet of the Interface Module.
 - (2) Install the Power Cord Protector Bracket by using the screw (M3) from the bundle.



1

j0ia90013

Figure 14 j0ia90013

14. Connect the subsequent device (e.g. when connecting an HCS) to the Interface Module using the I/F Cable. (Figure 15)

Reference: Perform the following Step 15 to Step 19 after docking the subsequent device (e.g. HCS).

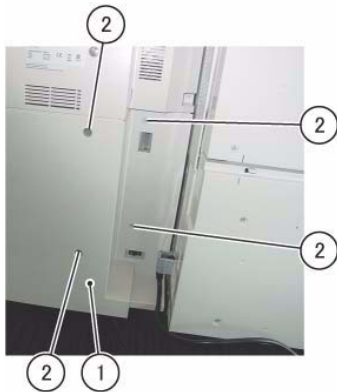
- (1) Connect the lattice connector to connector 1 (P306).
- (2) Connect the lattice connector to the HCS.



j0ib90024

Figure 15 j0ib90024

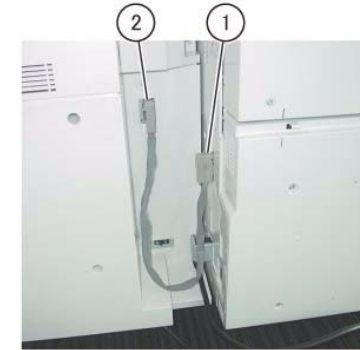
15. Install the Rear Lower Cover of the Interface Module. (Figure 16)
 - (1) Install the Rear Lower Cover.
 - (2) Secure the Rear Lower Cover by using the screw (x4).



j0ib90025

Figure 16 j0ib90025

16. Connect the Main Unit to the Interface Module by using the I/F Cable (short). (Figure 17)
 - (1) Connect the lattice connector to the Main Unit.
 - (2) Connect the lattice connector to connector (P305).



j0ib90026

Figure 17 j0ib90026

17. Turn ON the Breaker of the Interface Module. (Figure 18)



j0ia90017

Figure 18 j0ia90017

18. Turn ON the IOT.
19. Check the operation of the Interface Module.

Reference: If the Interface Module is installed as a stand-alone, paper transportation cannot be checked.

- (1) Check the status of paper transportation, for abnormal noise, and etc.
Check that the paper does not get jammed, torn, contaminated, folded, or creased.
20. [FX Only]: Create a report with the following Mod No.
Interface Module: 211V

9.1.6.2 Installation of I/F Cooling Module (Color J75 Press)

- Product Code: TD200159
- Power Cord (3 Pin): ED200145 (FXA/FXNZ: Option)
- Power Cord (3 Pin): ED200146 (FXS/FXM/FXHK: Option)
- Power Cord (3 Pin): ED200147 (AG/FXV: Option)
- Power Cord (3 Pin): ED200148 (FXP: Option)
- Power Cord (3 Pin): EL200600 (FXCL: Option)
- Power Cord (3 Pin): ED200168 (FXK: Option)
- Power Cord (3 Pin): EM200238 (FXTW: Option)
- Power Cord (3 Pin): EL200915 (FXTH: Option)
- I/F Cable (short): EM200215 (Option)

Installation Procedure

1. Open the package that comes with the Interface Cooling Module and check the bundled/separate order items. (Figure 1)

Table 1

No.	Name	Qty
1	Earth Plate (front side)	1
2	Power Cord Protector Bracket	1
3	Docking Plate	1
4	Screw (M3)	3
5	Screw (for installation of Docking Plate) (M4x16)	2
6	Power Cord (Option)	1
7	I/F Cable (short) (Option)	1
8	Conversion Adaptor	1

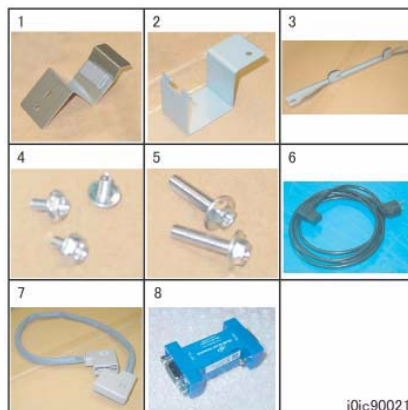


Figure 1 j0ic90021

2. Turn OFF the Power Switch and make sure that the screen display turns OFF.

CAUTION

When turning OFF the Power Switch, check that the "Data" lamp turns OFF. Also, press <Job Status> and check that there are no jobs in progress/in the queue.

If you turn OFF the Power Switch while the "Data" lamp is ON or there is a job in progress/in the queue, the data may be lost.

3. Turn OFF the Main Power Switch and the Breaker and unplug the Power Plug.

WARNING

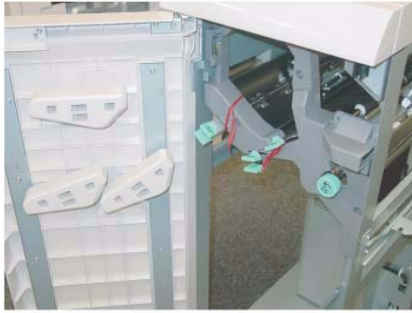
When performing machine maintenance, turn OFF the Main Power Switch, check that the "Main Power" lamp has turned OFF, turn OFF the Breaker and then unplug the Power Plug.

4. Remove the tape that secure the Interface Cooling Module. (Figure 2)



Figure 2 j0ia90002

5. Open the Front Door and remove the securing ribbon of the chute. (Figure 3)
Reference: Although the Interface Cooling Module shown in Figure 3 is another type of Interface Cooling Module, it will not cause any problem with this operation.



j0ia90003

Figure 3 j0ia90003

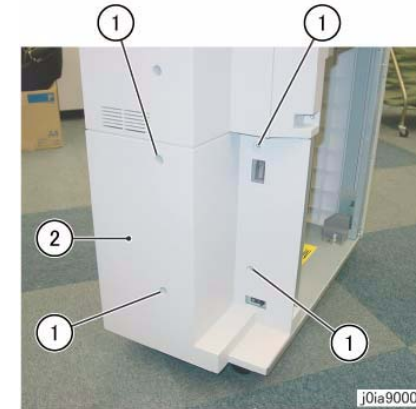
6. Remove the securing material. (Figure 4)
 - (1) Lower the chute (2b).
 - (2) Remove the securing material.



j0ib90021

Figure 4 j0ib90021

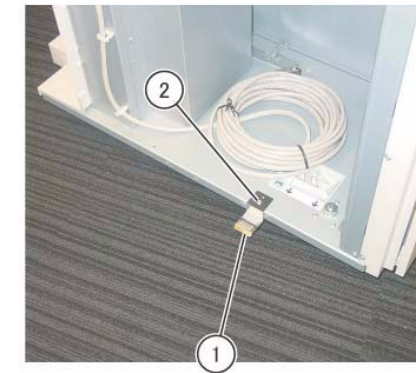
7. Remove the Rear Lower Cover of the Interface Cooling Module. (Figure 5)
 - (1) Remove the screw (x4).
 - (2) Remove the Rear Lower Cover.



j0ia90004

Figure 5 j0ia90004

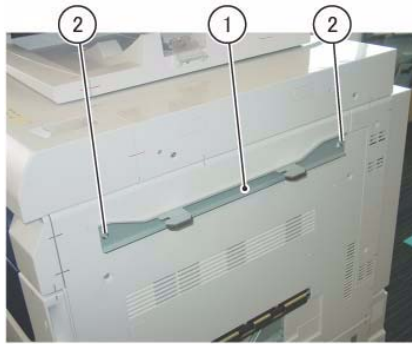
8. Install the Earth Plate (front side) to the Interface Cooling Module. (Figure 6)
 - (1) Install the Earth Plate at the front.
 - (2) Secure it by using the screw (M3) from the bundle.



j0ic90022

Figure 6 j0ic90022

9. Install the Docking Plate to the Main Unit by using the screw (M4x16: x2) from the bundle. (Figure 7)
 - (1) Install the Docking Plate.
 - (2) Secure the Docking Plate by using the screw (M4x16: x2).



j0ib90022

Figure 7 j0ib90022



j0ib90023

Figure 9 j0ib90023

10. Pass the ISL (Inline Sensor) Cable underneath the Base Frame. (Figure 8)



j0ic90023

Figure 8 j0ic90023

12. Use the provided wrench to adjust the height of the Interface Cooling Module Caster as required.
(1) Remove the screw from the Interface Cooling Module to extract the wrench. (Figure 10)



j0ic90024

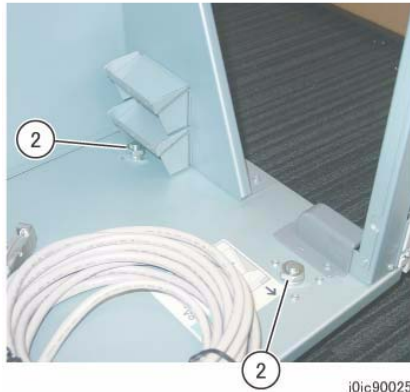
Figure 10 j0ic90024

11. Align the hook of the Main Unit Docking Plate to the docking slot of the Interface Cooling Module and push in the Interface Cooling Module until they lock. (Figure 9)

At the same time, visually check that the gasket of the Earth Plate seals properly with no gap.

- If there is any gap at the Earth Plate and it does not seal properly, or if the hook of the Main Unit Docking Plate do not match the height of the docking slot of the Interface Cooling Module, perform Step 12 to adjust the height of the Interface Cooling Module Caster.

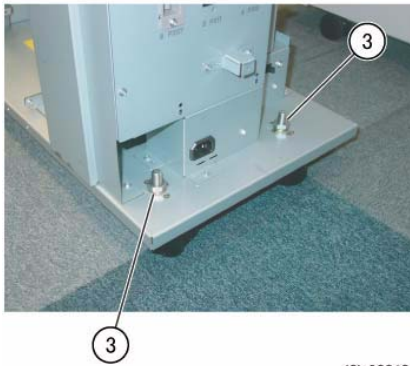
(2) Front Caster. (Figure 11)



j0ic90025

Figure 11 j0ic90025

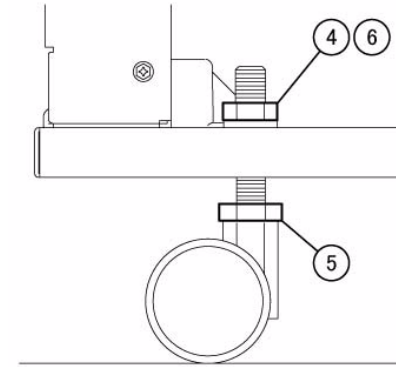
(3) Rear Caster. (Figure 12)



j0ia90010

Figure 12 j0ia90010

- (4) Use the wrench to loosen the Securing Nut. (Figure 13)
- (5) Use the wrench to turn the Hexagonal Bolt and adjust the height. (Figure 13)
- (6) Use the wrench to tighten the Securing Nut. (Figure 13)



j0ia90011

Figure 13 j0ia90011

13. Secure the Latch Stopper by using the screw (M3) from the bundle. (Figure 14)



j0ia90012

Figure 14 j0ia90012

14. Install the Conversion Adaptor to the ILS Cable. (Figure 15)

9.1.6.2 Installation of I/F Cooling Module (Color J75 Press)

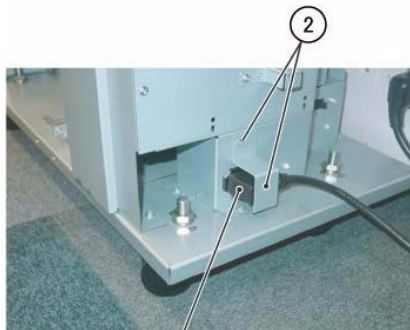
- (2) Connect the lattice connector to the HCS.



j0ic90026

Figure 15 j0ic90026

15. Connect the ILS Cable to the Server.
 16. Connect the Power Cord to the Interface Cooling Module. (Figure 16)
 (1) Plug the Power Cord into the inlet of the Interface Cooling Module.
 (2) Install the Power Cord Protector Bracket by using the screw (M3) from the bundle.



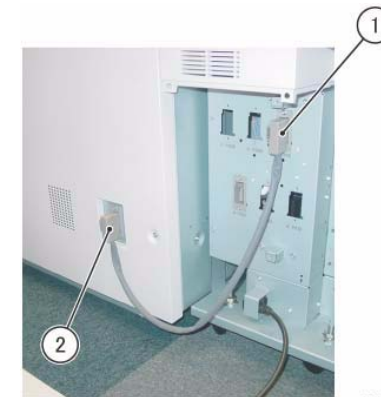
j0ia90013

Figure 16 j0ia90013

17. Connect the subsequent device (e.g. when connecting an HCS) to the Interface Cooling Module using the I/F Cable. (Figure 17)

Reference: Perform the following Step 18 to Step 22 after docking the subsequent device (e.g. HCS).

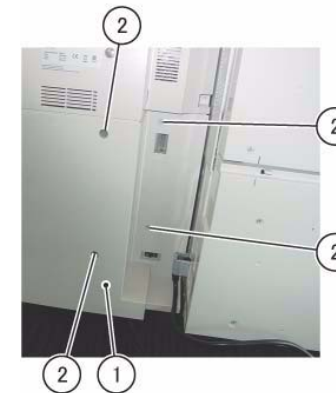
- (1) Connect the lattice connector to connector 1 (P306).



j0ib90024

Figure 17 j0ib90024

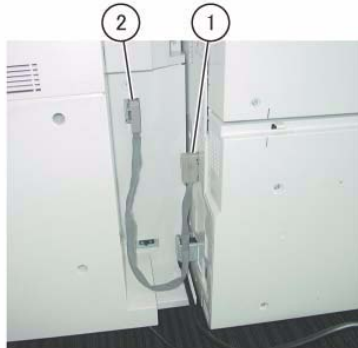
18. Install the Rear Lower Cover of the Interface Cooling Module. (Figure 18)
 (1) Install the Rear Lower Cover.
 (2) Secure the Rear Lower Cover by using the screw (x4).



j0ib90025

Figure 18 j0ib90025

19. Connect the Main Unit to the Interface Cooling Module by using the I/F Cable (short). (Figure 19)
 (1) Connect the lattice connector to the Main Unit.
 (2) Connect the lattice connector to connector (P305).



j0ib90026

Figure 19 j0ib90026

20. Turn ON the Breaker of the Interface Cooling Module. (Figure 20)



j0ia90017

Figure 20 j0ia90017

21. Turn ON the IOT.
22. Check the operation of the Interface Cooling Module.

Reference: If the Interface Cooling Module is installed as a stand-alone, paper transportation cannot be checked.

- (1) Check the status of paper transportation, for abnormal noise, and etc.
Check that the paper does not get jammed, torn, contaminated, folded, or creased.

23. Check the Service Manual for the Server side and perform the required procedures.

9.1.7.1 Installation of High Capacity Stacker (HCS) (1 of 2)

Before Installation

- When installing this Kit, 9.1.6.1 I/F Module or 9.1.6.2 I/F Cooling Module is required. Refer to the procedure and perform the installation.

Product Code

- HCS: QM200043
- I/F Module: QD200045 (FX)/ED200292 (APO/GCO) (Color C75 Press)
- I/F Cooling Module: TD200159 (APO/GCO) (Color J75 Press)
- Power Cord (3 Pin): EM100188 (FX: Option)
- Power Cord (3 Pin): ED200145 (FXA/FXNZ: Option)
- Power Cord (3 Pin): ED200146 (FXS/FXM/FXHK: Option)
- Power Cord (3 Pin): ED200147 (AG/FXV: Option)
- Power Cord (3 Pin): ED200148 (FXP: Option)
- Power Cord (3 Pin): EL200600 (FXCL: Option)
- Power Cord (3 Pin): ED200168 (FXK: Option)
- Power Cord (3 Pin): EM200238 (FXTW: Option)
- Power Cord (3 Pin): EL200915 (FXTH: Option)
- I/F Cable (short): EM200215 (Option)

Installation Procedure

- Open the package that comes with the HCS and check the bundled/separate order items.
 - HCS - Bundled Items (Figure 1)

Table 1

No.	Name	Qty
1	Chute Guide (when connecting to a subsequent device (e.g. a Finisher), refer to 9.1.8)	1
2	Earth Plate	2
3	Power Cord Protector Bracket	1
4	Docking Plate	1
5	Cable Duct	1
6	Tapping Screw (M4)	8
7	Screw (M3)	2

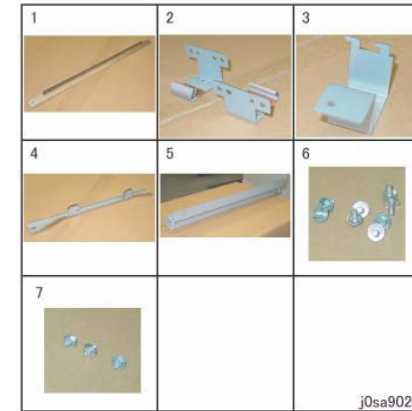


Figure 1 j0sa90201

- Separate Order Items (Figure 2)

Table 2

No.	Name	Qty
1	Power Cord (Option)	1
2	I/F Cable (short) (Option)	1

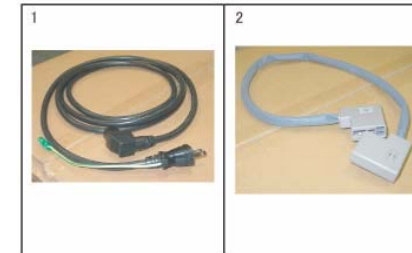


Figure 2 j0sa90202

- Stacker Cart (Cart for High Capacity Stacker) - Bundled Items (Figure 3)

Table 3

No.	Name	Qty
1	Caster	1
2	Handle	1
3	Stacker Tray (bundled in the HCS)	1
4	Clamper	1
5	Screw (Hexagonal Bolt)	4
6	Cover	1
7	Holder	1
8	Guide	2
9	Screw (M3x6)	8

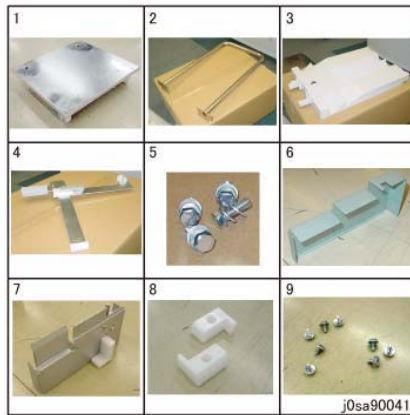


Figure 3 j0sa90041

- Remove the securing tape from the HCS. (Figure 4)



Figure 4 j0sa90003

- Open the Upper Cover and remove the securing tape. (Figure 5)



Figure 5 j0sa90040

- Open the Front Door and remove the protective material. (Figure 6) (Figure 7)



j0sa90047

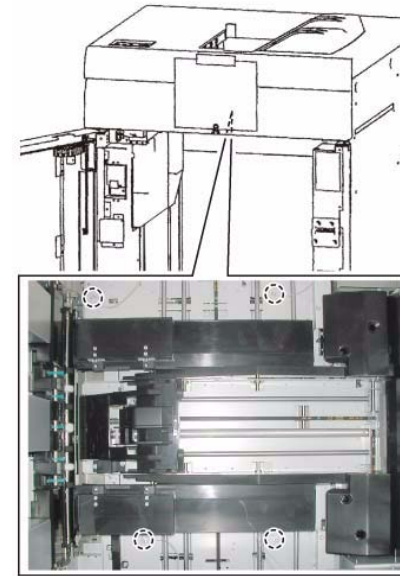
Figure 6 j0sa90047



j0sa90004

Figure 7 j0sa90004

5. Trace the tube (x4) and remove the screw (x4). (Figure 8)



j0sa90042

Figure 8 j0sa90042

6. Remove the Lock Guard. (Figure 9)



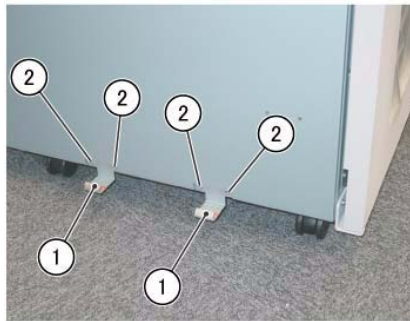
j0sa90043

Figure 9 j0sa90043

7. Install the Earth Plates to the HCS. (Figure 10)
 - (1) Install the Earth Plate (front/rear side: x2) to the HCS.
 - (2) Secure the Earth Plate by using the Tapping Screw (M4: x4) from the bundle.

9.1.7.1 Installation of High Capacity Stacker (HCS) (1 of 2)

NOTE: When connecting a subsequent device (e.g. a Finisher D4), thread the I/F Cable and the Power Cord through the Cable Duct in advance.

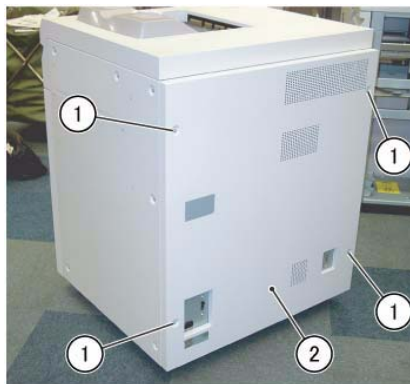


j0sa90011

Figure 10 j0sa90011

8. Remove the HCS Rear Cover. (Figure 11)

- (1) Remove the screw (M4: x4).
- (2) Remove the Rear Cover.

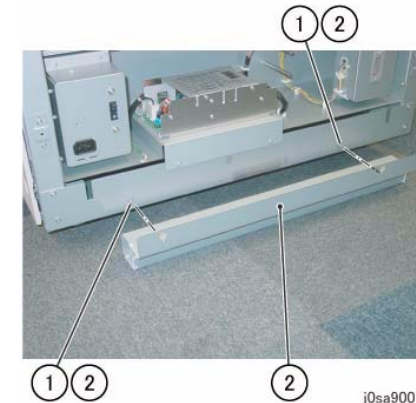


j0sa90012

Figure 11 j0sa90012

9. Install the Cable Duct. (Figure 12)

- (1) Loosely affix the screw (M4: x2) from the bundle.
- (2) Install the Cable Duct and tighten the screw (M4: x2).

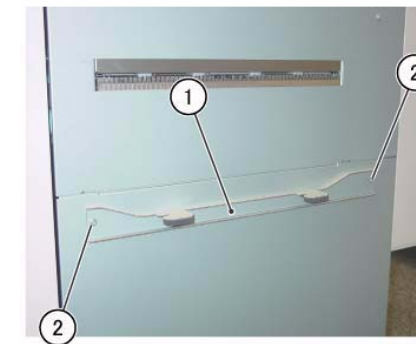


j0sa90013

Figure 12 j0sa90013

10. Install the Docking Plate to the Interface Module or Interface Cooling Module. (Figure 13)

- (1) Install the Docking Plate to the left of the Interface Module or Interface Cooling Module.
- (2) Secure the Docking Plate by using the Tapping Screw (M4: x2) from the bundle.



j0sa90203

Figure 13 j0sa90203

11. Align the hook of the Interface Module or Interface Cooling Module Docking Plate to the docking slot of the HCS and push in the HCS until they lock. (Figure 14)

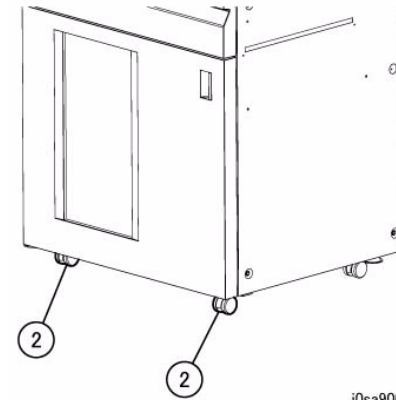
At the same time, visually check that the gasket of the Earth Plate seals properly with no gap.

- If there is any gap at the Earth Plate and it does not seal properly, or if the hook of the Interface Module or Interface Cooling Module Docking Plate do not match the height of the docking slot of the HCS, perform Step 12 to adjust the height of the HCS Caster.



j0sa90204

Figure 14 j0sa90204



j0sa90017

Figure 16 j0sa90017

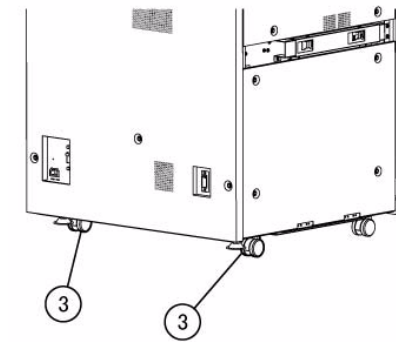
12. Use the wrench that comes with the Interface Module or Interface Cooling Module to adjust the height of the HCS Caster as required.

- (1) Remove the screw from the Interface Module or Interface Cooling Module to extract the wrench. (Figure 15)



j0ia90008

Figure 15 j0ia90008



j0sa90018

Figure 17 j0sa90018

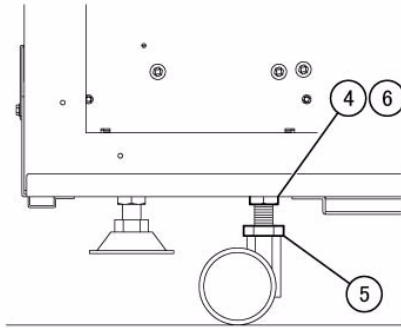
- (2) Front Caster. (Figure 16)

- (3) Rear Caster. (Figure 17)

- (4) Use the wrench to loosen the Securing Nut. (Figure 18)
- (5) Use the wrench to turn the Hexagonal Bolt and adjust the height. (Figure 18)
- (6) Use the wrench to tighten the Securing Nut. (Figure 18)

9.1.7.2 Installation of High Capacity Stacker (HCS) (2 of 2)

1. Secure the Latch Stopper of the HCS. (Figure 1)
 - (1) Secure the Latch Stopper by using the screw (M3) from the bundle.



j0sa90019

Figure 18 j0sa90019

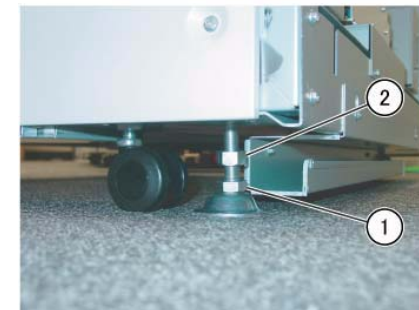
13. Go to 9.1.7.2 Installation of High Capacity Stacker (HCS) (2 of 2)



j0sa90020

Figure 1 j0sa90020

2. Secure the HCS by its feet (x2 location at the rear). (Figure 2)
 - (1) Use the wrench that comes with the Interface Module or Interface Cooling Module to rotate the Hexagonal Adjustment Bolt until the feet are touching the ground, and add an extra half turn to each.
 - (2) Use the wrench to tighten the Securing Nut of the feet.



j0sa90021

Figure 2 j0sa90021

3. Install the Rear Cover.
 - (1) When installing the Rear Cover, attach the hook (x2) of the Rear Cover to the notch (x2) of the Frame. (Figure 3)



Figure 3 j0sa90022

- (2) Secure the Rear Cover by using the screw (M4: x4). (Figure 4)

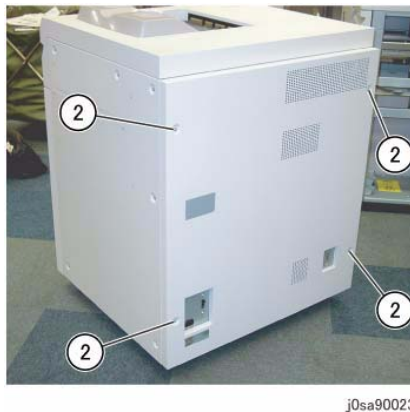


Figure 4 j0sa90023

4. Connect the Power Cord to the HCS. (Figure 5)
- (1) Plug the Power Cord into the inlet of the HCS.
 - (2) Install the Power Cord Protector Bracket by using the screw (M3) from the bundle.

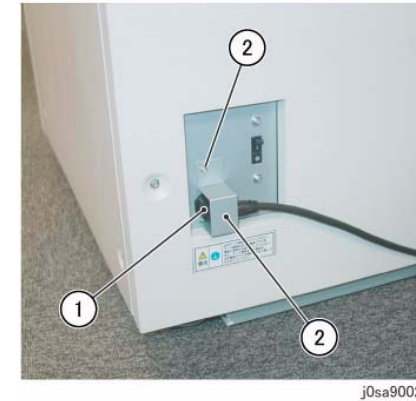


Figure 5 j0sa90024

5. Connect the HCS to the Interface Module or Interface Cooling Module by using the I/F Cable (short). (Figure 6)
- (1) Connect the lattice connector to connector 1 (P306).
 - (2) Connect the lattice connector to the HCS.

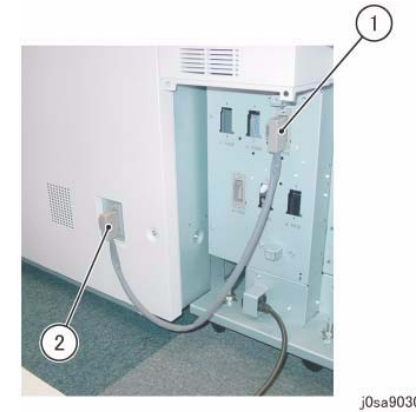


Figure 6 j0sa90301

6. When connecting a subsequent device (e.g. a Finisher D4), thread the I/F Cable (long) and the Power Cord through the Cable Duct in advance and then pull out and coil them from the Finisher D4 until they reach the Interface Module or Interface Cooling Module.
- (1) Pull out and coil the I/F Cable (long) from the Rear Cover side of the Finisher D4 and connect it to the lattice connector. (Figure 7)



Figure 7 j0sa90028

- (2) Connect the lattice connector to connector 6 (P307). (Figure 8)

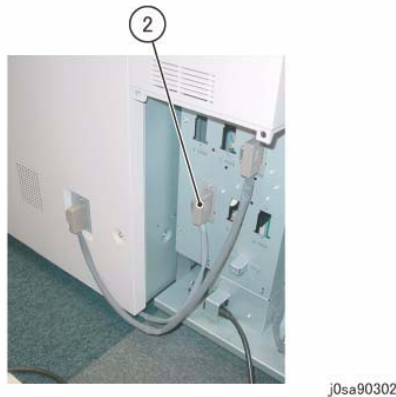


Figure 8 j0sa90302

- 7. Install the Rear Lower Cover of the Interface Module or Interface Cooling Module. (Figure 9)

- (1) Install the Rear Lower Cover.
- (2) Secure the Rear Lower Cover by using the screw (x4).

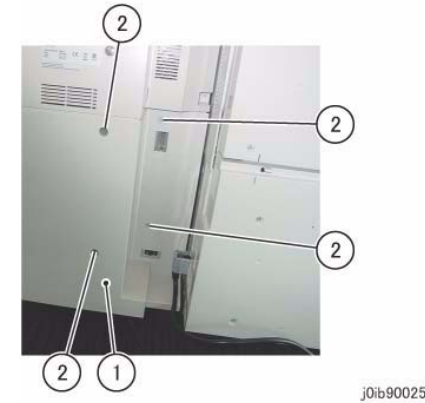


Figure 9 j0ib90025

- 8. Connect the Main Unit to the Interface Module or Interface Cooling Module by using the I/F Cable (short). (Figure 10)

- (1) Connect the lattice connector to the Main Unit.
- (2) Connect the lattice connector to connector (P305).

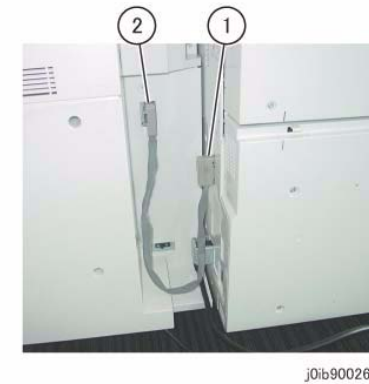


Figure 10 j0ib90026

- 9. Plug the Power Cord of the HCS into the power outlet.
- 10. Turn ON the Breaker of the Interface Module on Interface Cooling Module. (Figure 11)



j0ib90027

Figure 11 j0ib90027

11. Turn ON the Breaker of the HCS. (Figure 12)

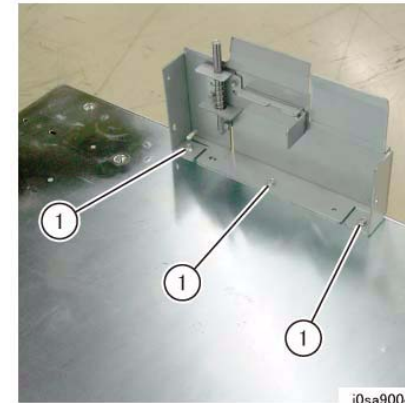


j0sa90033

Figure 12 j0sa90033

12. Assemble the Stacker Cart.

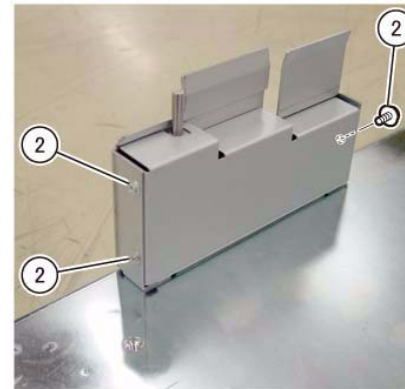
(1) Attach the holder to the caster by using the screw (M3x6: x3). (Figure 13)



j0sa90044

Figure 13 j0sa90044

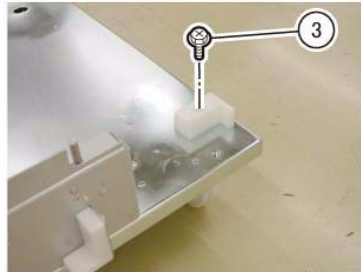
(2) Attach the cover to the holder by using the screw (M3x6: x3). (Figure 14)



j0sa90045

Figure 14 j0sa90045

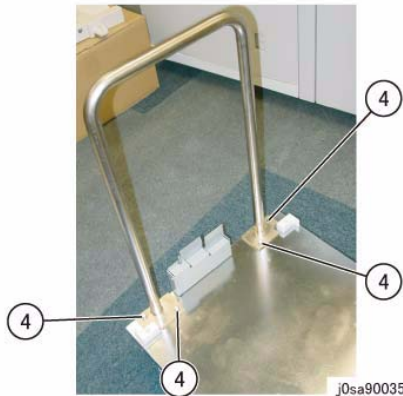
(3) Attach the guide (x2) to the caster by using the screw (M3x6: x2). (Figure 15)



j0sa90046

Figure 15 j0sa90046

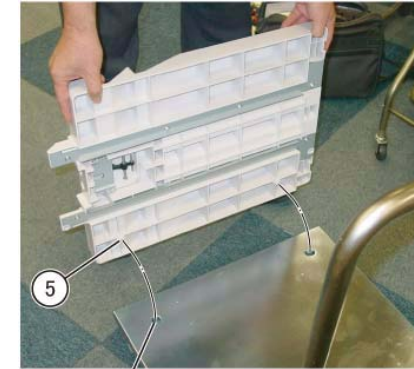
- (4) Attach the handle to the caster by using the screw (Hexagonal Bolt: x4). (Figure 16)



j0sa90035

Figure 16 j0sa90035

- (5) Mount the Stacker Tray onto the caster. When mounting the Stacker Tray, align the hole of the caster with the protrusion of the Stacker Tray. (Figure 17)



j0sa90036

Figure 17 j0sa90036

- (6) Install the clamber to the handle. When installing the clamber, hold the clamber at an angle, lower it with the clamber stand clamped onto the handle and install it such that it presses the actuator down. (Figure 18)



j0sa90037

Figure 18 j0sa90037

NOTE: If it was installed while the clamper is not pressing down on the actuator, the HCS Front Door will not be able to close when storing the Stacker Cart in the HCS. (Figure 19)



j0sa90038

Figure 19 j0sa90038

13. Open the HCS Front Door and store the Stacker Cart in the HCS. (Figure 20)



j0sa90039

Figure 20 j0sa90039

14. Turn ON the Main Unit.
15. Check the operation of the HCS.
 - (1) Check the status of paper transportation, for abnormal noise, and etc.
Check that the paper does not get jammed, torn, contaminated, folded, or creased.
16. [FX Only]: Create a report with the following Mod No.
High Capacity Stacker: 21V

9.1.8 Installation of Chute Guide (When Connecting to a Subsequent Device (e.g. a Finisher))

1. When connecting a subsequent device (e.g. a Finisher D4), remove the Blind Cover and install the Chute Guide to the output section of the HCS.
 - (1) Remove the screw (M4: x6). (Figure 1)
 - (2) Remove the screw (M3: x2). (Figure 1)
 - (3) Remove the HCS Right Cover. (Figure 1)

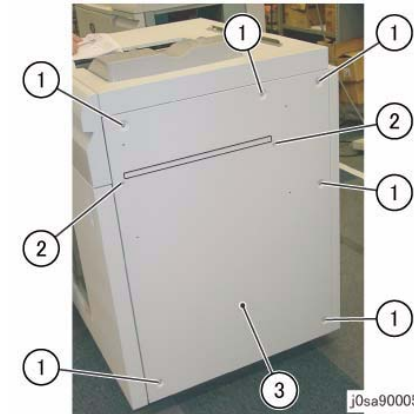


Figure 1 j0sa90005

- (4) Remove the screw (M3: x3) of the Blind Cover. (Figure 2)
- (5) Remove the Blind Cover. (Figure 2)

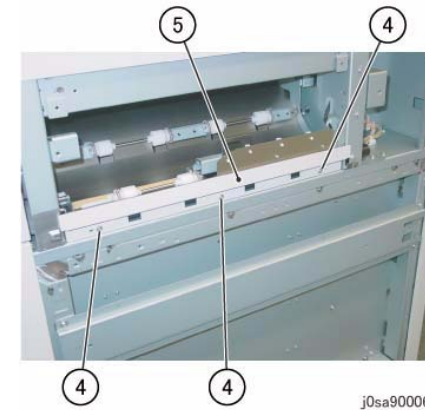
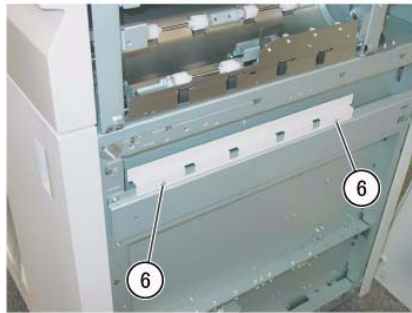


Figure 2 j0sa90006

- (6) Install the removed Blind Cover by reusing the screw (M3: x2) that were removed in Step (4). (Figure 3)

9.1.8 Installation of Chute Guide (When Connecting to a Subsequent De-

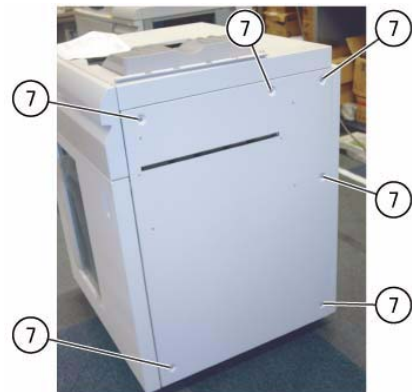
NOTE: Position the notch so that it is facing the HCS Right Cover side.



j0sa90007

Figure 3 j0sa90007

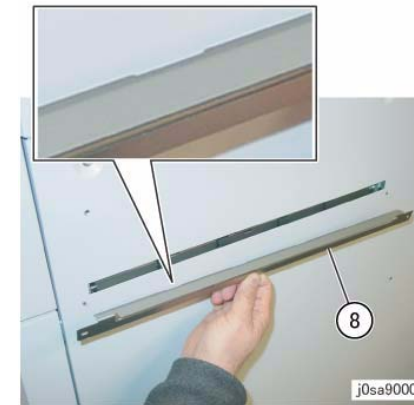
- (7) Install the HCS Right Cover and secure it by using the screw (M4: x6). (Figure 4)



j0sa90008

Figure 4 j0sa90008

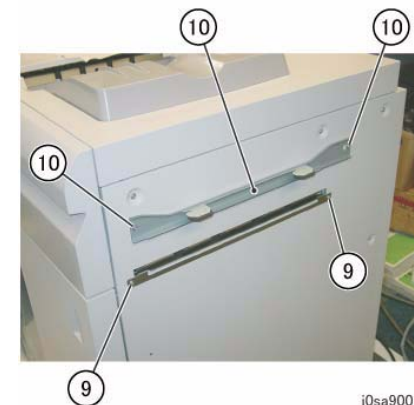
- (8) Install the Chute Guide. (Figure 5)



j0sa90009

Figure 5 j0sa90009

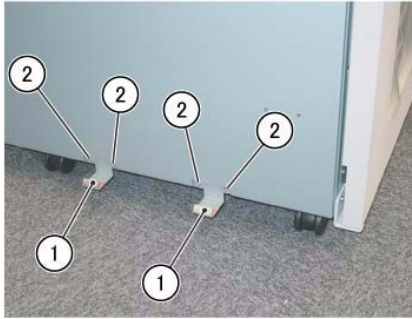
- (9) Secure the Chute Guide by reusing the screw (M3: x2) that were removed in Step (2). (Figure 6)
- (10) When connecting a subsequent device (e.g. a Finisher D4), install the Docking Plate that came with the Finisher D4 Installation Kit to the HCS and secure it by using the screw (M4x16: x2). (Figure 6)



j0sa90010

Figure 6 j0sa90010

- 2. Install the Earth Plates to the HCS. (Figure 7)
 - (1) Install the Earth Plate (front/rear side: x2) to the HCS.
 - (2) Secure the Earth Plate by using the Tapping Screw (M4: x4) from the bundle.



j0sa90011

Figure 7 j0sa90011

9.1.9 Installation of Stacker Cart (Additional Option)

NOTE: When installing the High Capacity Stacker (HCS), it comes with 1 unit of Stacker Cart.

Product Code: EM200254

Installation Procedure

1. Open the package and check the Bundled Items. (Figure 1)

Table 1

No.	Name	Qty
1	Caster	1
2	Handle	1
3	Stacker Tray	1
4	Clamper	1
5	Screw (Hexagonal Bolt)	4

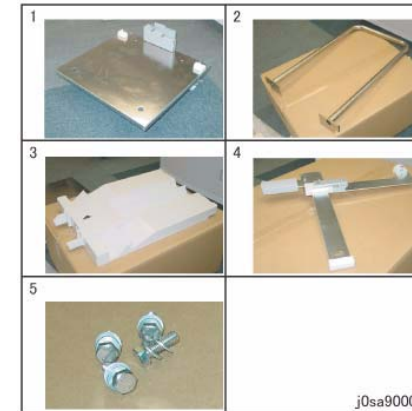


Figure 1 j0sa90002

2. Assemble the Stacker Cart.
 - (1) Attach the handle to the caster by using the screw (Hexagonal Bolt: x4). (Figure 2)

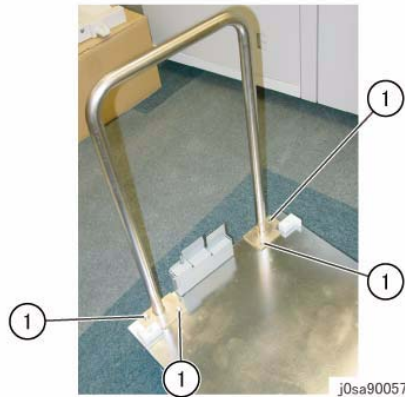


Figure 2 j0sa90057



Figure 4 j0sa90037

- (2) Mount the Stacker Tray onto the caster. When mounting the Stacker Tray, align the hole of the caster with the protrusion of the Stacker Tray. (Figure 3)

NOTE: If it was installed while the clammer is not pressing down on the actuator, the HCS Front Door will not be able to close when storing the Stacker Cart in the HCS. (Figure 5)

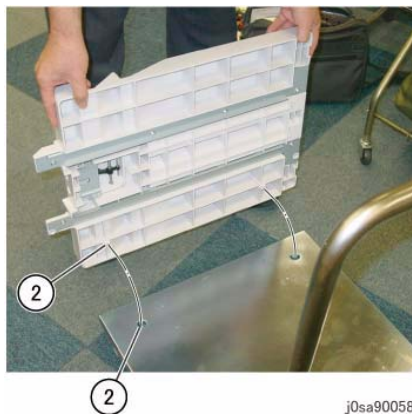


Figure 3 j0sa90058

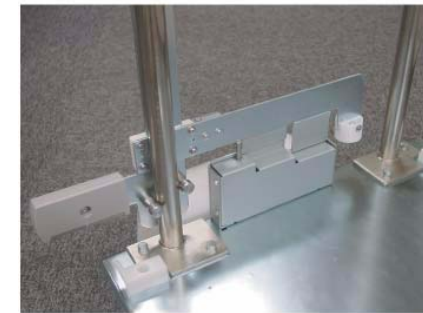


Figure 5 j0sa90038

- (3) Install the clammer to the handle. When installing the clammer, hold the clammer at an angle, lower it with the clammer stand clamped onto the handle and install it such that it presses the actuator down. (Figure 4)

3. Open the HCS Front Door and store the Stacker Cart in the HCS. (Figure 6)



j0sa90039

Figure 6 j0sa90039

9.1.10 Installation of Software Option Products

Purpose

Although the software options are already bundled with the machine, they cannot be used because they were disabled at factory shipment.

To use an optional feature, the customer will need to purchase the option, input its software key or insert its CD-ROM into the machine, and then enable the feature.

Installation Procedure

The installation procedure for the software keys is common for all. Perform the following to install a software option.

However, as there are different methods to check whether an optional feature is enabled, refer to [Check Method after Installation] in the following table to check the feature, and explain to the customer on how the feature works as needed.

Also, create a report with the Mod No. listed in the following table after the installation. (FX Only)

1. Press <Log In / Out>.
2. Input User ID [1, 1, 1, 1, 1] and select [Enter] to display the [System Administrator Menu] screen.
3. Select [Tools] -> [System Settings] tab -> [Common Service Settings] -> [Maintenance] -> [Software Options].
4. Input the software key that comes with the Kit and select [Reboot]. (The machine will reboot.)

Table 1 List of Software Option Products Provided for this Product

Software Product Name	Description	Conditions/Notes	Product Code		Check Method after Installation	MOD No. (FX Only)
			FX	APO/GCO		
Watermark Extension Kit (FX Only)	This adds to the Annotation function the capability to use the Sakura Paper Copy, Force Sakura Print, and Background Numbering. It is also for preventing the reproduction of confidential documents by enabling the printing of date, time, and number on all pages.	---	ED200599	---	Print the Configuration Report and check that the items shown in 1st page > under [System Settings] > [Watermark] now follows those of <After Setting>. <Before Setting> Watermark Font Size Font Color Density <After Setting> Watermark Watermark Effect / Font Size Background Pattern / Font Color Density Watermark / Background Contrast Force Watermark Copy / Client Print Print Stored File	229V
Web Applications Kit (FX Only)	Can be used to link to external applications. Enables direct access to web applications, downloading of scanned document, direct printing of documents, and etc. through a dedicated browser that is displayed on the Control Panel.	---	ED200598	---	Check that [Web Applications] appears on the Services Home screen.	240V
Authentication Customization Kit (FX Only)	Provides a feature for handling authentication devices and authentication servers that are not supported in standard.	Requires the USB Expansion Kit.	ED200601	---	Print the Configuration Report and check that the following items are shown under [System Settings] in the 1st sheet. • Embedded Plug-ins • Embedded Plug-in Version	241V
Data Security Kit (FX Only)	Strengthens the security of data written in the Hard Disk. It also enables the encryption, overwriting, and deletion of all data in the Hard Disk.	Requires the USB Expansion Kit.	ED200600	---	Print the Configuration Report and check that the following items are shown under [System Settings] in the 1st sheet. • Overwrite Hard Disk • Data Encryption	230V
USB Memory Storage Kit Scan to USB	Provides a feature for storing scanned documents in a USB memory.	Requires the USB Expansion Kit.	ED200641	ED200638	Check that [Store to USB] appears on the Services Home screen.	242V

Table 1 List of Software Option Products Provided for this Product

Software Product Name	Description	Conditions/Notes	Product Code		Check Method after Installation	MOD No. (FX Only)
			FX	APO/GCO		
Network Accounting Kit (APO/GCO Only)	Job Based Accounting (JBA) This option provides Users with the accounting feature.	---	---	ED200597	<ol style="list-style-type: none"> 1. Enter the System Administrator Mode and verify that [Network Access] is displayed on the [Login Setup / Auditorion Mode] screen. Press <Log In / Out>, select [Tools] -> [System Settings] tab -> [Login Setup / Auditorion Administration] -> [Login Setup / Auditorion Mode] 2. After verifying that [Network Access] is displayed, exit from the System Administrator Mode. 	---
Extensible Customization Kit (APO/GCO Only)	This option provides a feature extension using the XCP Plug-in to enable Authentication Customization (addition of Smart Card Reader or addition/changing of authentication method), Cloud linkage, and etc.	---	---	ED200610	<p>Checking at the Configuration Report.</p> <ul style="list-style-type: none"> • Check that [Embedded Plug-ins] can be found under [System Settings]. <p>Checking at the CentreWare Internet Services.</p> <ul style="list-style-type: none"> • Check that the [Plug-in Settings] item can be found under [Properties] tab -> Security. 	---

9.2 Removal

NOTE: This removal procedure is only applicable when shifting the machine. (Removal is normally subject to CSD)

Preparations

Make sure that the following parts for removal are available.

- Shaft (PL 6.1 Item 3) : 006E 79751
- Drawer Bracket (PL 14.2 Item 16) : 868E 14900
- Screw (M3x6: x4) :158W 27678

Procedure

1. If the Option for Input has been installed, remove from the Main Unit.
2. If the Option for Out has been installed, remove from the Main Unit.
3. Remove the S104 Control Panel Assembly and Wing Tray Assembly.
4. Open the Front Cover.
5. Remove the Right Drawer Cover.
6. Pull out the drawer.
7. Insert the Shaft.
8. Install the Drawer Bracket on the Drawer by using the screws (x2).
9. Push in the Drawer and lift the lever.
10. Secure the Drawer Bracket to the Frame by using the screws (x2).
11. Close the Front Cover.
12. Rotate the Foot (x2) to bring them up.
13. Tape up the machine where necessary.

