Global A Integrated Office Finisher Service Manual

Book Configuration

Global A Integrated Office Finisher
Service Documentation

Book Configuration

PURPOSE

This procedure can be utilized to set certain browser variables. These variables are used in the EDOC
to display pertinent information or hide information not applicable to the present configuration.

Languages

Select a language or languages in which to display **Warnings**

Choices

◆ English

◆ Français (French)

◆ Italiano (Italian)

◆ Deutsch (German)

◆ Español (Spanish)

Results

⚠ **WARNING:** English Warnings will be displayed.

Les avis de DANGER sont affichés en français.

I messaggi di pericolo verranno visualizzati in italiano.

Es werden Warnhinweise in Deutsch angezeigt.

Se mostrarán avisos en Español.

Global A Integrated Office Finisher

Service Documentation

Global A Integrated Office Finisher Service Manual

705P01445

Initial Issue

May 2020

Prepared For:

Xerox Corporation

800 Phillips Road

Webster, New York, 14580

NOTICE

Introduction

About This Manual

This Service Manual is part of the multinational documentation system for this copier/printer accessory. The Service Documentation is used in order to diagnose machine malfunctions, adjust components and has information which is used to maintain the product in superior operating condition. It is the controlling publication for a service call. Information on its use is found in the Introduction of the Service Documentation.

Service Manual Revision

The Service Manual will be updated as the machine changes or as problem areas are identified.

Organization

The titles of the sections and a description of the information contained in each section are contained in the following paragraphs:

Section 1 Service Call Procedures
This section is used to start and complete a service call. The procedures in this section will either direct you to a Repair Analysis Procedure (RAP), or identify a faulty component or subassembly. For this accessory manual, the strategy is to utilize the Service Call Procedures in the IOT manual.

Section 2 Status Indicator Repair Analysis Procedures
This section contains the Repair Analysis Procedures (RAPs) and checkouts necessary to diagnose, isolate and repair faults other than image quality faults.

Section 3 Image Quality
The Service Documentation for this accessory does not include an Image Quality section.

Section 4 Repairs/Adjustments
This section contains the instructions for removal, replacement, and adjustment of parts within the machine.

Section 5 Parts List
This section contains the detailed and illustrated spare parts list. Any part that is spared or that must be removed to access a spared part is illustrated.

Section 6 General Procedures/Information
This section contains all other procedures, product specifications and general information. It also contains Tag/MOD information.

Section 7 Wiring Data
This section contains drawings, lists of plug/jack locations, and diagrams of the power distribution wire networks in the machine. This section also contains the Block Schematic Diagrams.

How to Use this Documentation

The Service Call Procedures in Section 1 of the IOT manual describe the sequence of activities used during the service call. The call **must** be entered using these procedures.

Fault Codes in Section 2, Status Indicator RAPs, use a leading **0** to indicate if the IOT has a DMP controller or **3** if the IOT has a ConnectKey Controller. This manual defaults to a leading **0**, for example, 012–283.

Warnings, Cautions, and Notes

⚠️ **WARNING:** A Warning is used whenever an operating or maintenance procedure, a practice, condition, or statement, if not strictly observed, could result in personal injury.

Une note Danger est utilisée chaque fois qu'une procédure d'utilisation ou de maintenance peut être cause de blessure si elle n'est pas strictement respectée.

Un segnale di avvertenza è utilizzato ogni volta che una procedura operativa o di manutenzione, una pratica, una condizione o un'istruzione, se non strettamente osservata, potrebbe causare lesioni personali.

Weist darauf hin, dass ein Abweichen von den angeführten Arbeits- und Wartungsanweisungen gesundheitliche Schäden, möglicherweise sogar schwere Verletzungen zur Folge haben kann.

Un aviso se utiliza siempre que un procedimiento de operación o mantenimiento, práctica o condición puede causar daños personales si no se respetan estrictamente.

⚠️ **CAUTION:** A caution is used whenever an operation or maintenance procedure, practice, condition or statement, if not strictly observed, could result in damage to the equipment.

Note: A note is used where it is essential to highlight a procedure, practice, condition or statement.

Use of the Block Schematic Diagrams

Block Schematic Diagrams (BSDs) are included in Section 7 (Wiring Data) of the Service Manual. The [Either the href or the keyref attribute should be set on xref elements] Invalid ID: gp/BSDsBSDs show the functional relationship of the electrical circuitry to any mechanical, or non-mechanical, inputs or outputs throughout the machine. Inputs and outputs such as motor drive, mechanical linkages, operator actions, and air flow are shown. The BSDs provide an overall view of how the entire subsystem works.

Electrostatic Discharge (ESD) Field Service Kit

The purpose of the ESD Protection Program is to preserve the inherent reliability and quality of electronic components that are handled by the Field Service Personnel. This program is implemented as a direct result of advances in microcircuitry technology, as well as a new acknowledgment of the magnitude of the ESD problem in the electronics industry today.

This program will reduce Field Service costs that are charged to PWB failures. Ninety percent of all PWB failures that are ESD related do not occur immediately. Using the ESD Field Service Kit will eliminate these delayed failures and intermittent problems caused by ESD. This will improve product reliability and reduce callbacks.

The ESD Field Service Kit should be used whenever Printed Wiring Boards or ESD sensitive components are being handled. This includes activities such as replacing or reseating of circuit boards or connectors. The kit should also be used to prevent additional damage when circuit boards are returned for repair.

The instructions for using the ESD Field Service Kit can be found in the ESD Field Service Kit Usage in the General Procedures section of the Service Documentation.

Safety Information

The WARNING that follows is for general guidance when live working.

⚠️ **WARNING:** Do not work in a confined space. 1 m (39 inches) space is needed for safe working.

Ne pas travailler dans un espace restreint. 1 mètre d'espace est nécessaire pour un dépannage en toute sécurité.

Non lavorare in uno spazio limitato; è necessario uno spazio di almeno un metro attorno alla macchina per la sicurezza dell'operatore.

Nur mit ausreichendem Bewegungsspielraum (1 m) arbeiten.

No trabaje en un espacio reducido. Se necesita 1 metro de espacio para trabajar con seguridad.

Safety Icons

The safety icons that follow are displayed on the machine:

ESD Caution Symbol

⚠️ **CAUTION:** Certain components in this product are susceptible to damage from electrostatic discharge. Observe all ESD procedures to avoid component damage.

Location Arrow Symbol

The location arrow symbol points to the location to install, to gain access to, or to release an object.

Hot Surface Symbol

This symbol indicates hot surfaces. Take care when servicing the machine.

Lethal Voltage Symbol

This symbol indicates potentially lethal voltages. Take care when servicing the machine when the power cord is connected.

Toner Cartridge

The product contains a toner cartridge that is recyclable. Under various state and local laws, it may be illegal to dispose of the cartridge into the municipal waste. Check with the local waste officials for details on recycling options or the proper disposal procedures.

Fuses

WARNING: Do not install a fuse of a different type or rating. Installing the wrong type or rating of fuse can cause overheating and a risk of fire.

Ne pas installer de fusible de type ou de calibre différent. Il existe un risque de surchauffe voire d'incendie.

Per evitare rischi di surriscaldamento o d'incendio, non installare un fusibile di tipo o carica diversi da quelli esistenti.

Keine Sicherungen anderer Art oder anderer Leistung auf dem IOT-PWB installieren - Überhitzungs- und Brandgefahr.

No instale un fusible de potencia o tipo distinto. Un fusible de potencia o tipo distinto puede producir sobrecalentamiento y el riesgo de incendio.

Part Replacement

Only use genuine Xerox approved spare parts or components to maintain compliance with legislation and safety certification. Also refer to Restriction of Hazardous Substances (RoHS) in the IOT manual.

Disassembly Precautions

Do not leave the machine with any covers removed at a customer location.

Reassembly Precautions

Use extreme care during assembly. Check all harnesses to ensure they do not contact moving parts and do not get trapped between components.

General Procedures

Observe all warnings displayed on the machine and written in the service procedures. Do not attempt to perform any task that is not specified in the service procedures.

Health and Safety Incident Reporting

I. Summary

This section defines requirements for notification of health and safety incidents involving Xerox products (equipment and materials) at customer locations.

II. Scope

Xerox Corporation and subsidiaries worldwide.

III. Objective

To enable prompt resolution of health and safety incidents involving Xerox products and to ensure Xerox regulatory compliance.

IV. Definitions

Incident:

An event or condition occurring in a customer account that has resulted in injury, illness or property damage. Examples of incidents include machine fires, smoke generation, physical injury to an operator or service representative. Alleged events and product conditions are included in this definition.

V. Requirements

Initial Report:

1. Xerox organizations shall establish a process for individuals to report product incidents to Xerox Environment Health and Safety within 24 hours of becoming aware of the event.

2. The information to be provided at the time of reporting is contained in Appendix A (Health and Safety Incident Report involving a Xerox product).

3. The initial notification may be made by the method that follows:

   - Email Xerox EH&S at: usa.product.incident@xerox.com.

   - Fax Xerox EH&S at: 1-585-422-8217 (intelnet 8*222-8217).

     Note: If sending a fax, please also send the original via internal mail.

Responsibilities for resolution:

1. Business Groups/Product Design Teams responsible for the product involved in the incident shall:

   a. Manage field bulletins, customer correspondence, product recalls, safety retrofits.

   b. Fund all field retrofits.

2. Field Service Operations shall:

   a. Preserve the Xerox product involved and the scene of the incident inclusive of any associated equipment located in the vicinity of the incident.

   b. Return any affected equipment/part(s) to the location designated by Xerox EH&S and/or the Business Division.

   c. Implement all safety retrofits.

3. Xerox EH&S shall:

   a. Manage and report all incident investigation activities.

   b. Review and approve proposed product corrective actions and retrofits, if necessary.

   c. Manage all communications and correspondence with government agencies.

   d. Define actions to correct confirmed incidents.

VI. Appendices

The Health and Safety Incident Report involving a Xerox Product (Form # EH&S-700) is available in the locations that follow:

- On electronic documentation (EDOC), located in the Library.

- In the hardcopy, located at the end of the manual.

Translated Warnings

All translated warnings for this book are located at point of need within the documentation.

1 Service Call Procedures

Service Call Procedures

Service Strategy

The service strategy for this accessory, is to use the Service Call Procedures for the IOT.

Procedure

Go to the Service Call Procedures (SCP) for the IOT.

2 Status Indicator RAPs

012-122, 012-151 Compile Exit Sensor OFF Jam RAP

BSD-ON: BSD 39.3

The paper transport does not switch OFF the Compile Exit Sensor within the specified time.

Procedure

Check the following:

- A paper transportation failure due to remaining paper bits, foreign substances on the paper path.
- Usage of out of spec paper.
- The Compile Exit Sensor (DC330 [012-113]) for operation failure. (PL 70.7)
- The Finisher Transport Motor (DC330 [012-001]) for operation failure. (PL 70.8)
- A paper transportation failure due to defective 400 Brake Assembly. (PL 70.7)
- The Finisher Transportation Roll for contamination, wear, and revolution failure.

If the problem persists, replace the Finisher PWB. (PL 70.3)

012-132 Entrance Sensor ON Jam RAP

BSD-ON: BSD 39.3

The paper transport does not switch ON the Finisher Entrance Sensor within the specified time.

Procedure

Check the following:

- A paper transportation failure due to remaining paper bits, foreign substances on the paper path.
- Usage of out of spec paper.
- The Finisher Entrance Sensor (DC330 [012-112]) for operation failure. (PL 70.7)
- The Finisher Transport Motor (DC330 [012-001]) for operation failure. (PL 70.8)
- The IOT Transport Roll for contamination, wear, and revolution failure.
- The IOT Transport Roll Drive Motor for malfunction and revolution failure.

If the problem persists, replace the Finisher PWB. (PL 70.3)

012-152 Compile Exit Sensor ON Jam

BSD-ON: BSD 39.3

The paper transport does not switch ON the Compile Exit Sensor within the specified time.

Procedure

Check the following:

- A paper transportation failure due to remaining paper bits, foreign substances on the paper path.
- Usage of out of spec paper.
- The Compile Exit Sensor (DC330 [012-113]) for operation failure. (PL 70.7)
- The Finisher Transport Motor (DC330 [012-001]) for operation failure. (PL 70.8)
- A paper transportation failure due to defective 400 Brake Assembly. (PL 70.7)
- The Finisher Transportation Roll for contamination, wear, and revolution failure.

If the problem persists, replace the Finisher PWB. (PL 70.3)

012-161 Set Eject Jam RAP

BSD-ON: BSD 39.7

Detects with one of the following conditions.

- The Set Clamp Home Sensor does not switch ON when output speed is low, or after transporting output amount in the output operation of eject operation.

- When Set Clamp Home Sensor does not switch ON after CLK output is completed in the sheet eject operation.

Note: If this occurred due to paper, recovery can be performed after removing the paper. However, if it is an actual malfunction, Set Clamp Home Sensor ON Fail will be detected during initialization after release, so power must be switched OFF and ON.

Procedure

Check the following:

- Open and close the Top Eject Cover.

- The Set Clamp Home Sensor (DC330 [012-122]) for operation failure. (PL 70.5)

- The Eject Cam Clutch (DC330 [012-066]) for operation failure. (PL 70.4)

- The Eject Motor (DC330 [012-060]) for operation failure. (PL 70.5)

- The Torque Limiter of Set Clamp Shaft Assembly 2 for malfunction and operation failure.

If the problem persists, replace the Finisher PWB. (PL 70.3)

012-210 NVM Read/Write Fail

BSD-ON: BSD 39.2

An error was detected when accessing the NVM.

Procedure

Perform the following:

- Switch the power OFF, then ON.

- To ensure good connections, reseat every connector to the Finisher Main PWB.

If the problem persists, replace the Finisher Main PWB. (PL 70.3)

012-211 Stacker Tray Fail RAP

BSD-ON: BSD 39.8

Detected when any of the following conditions are met:

- When the Stacker Motor Pulse is not output within the specified time after the drop operation had started.
- When the Stacker Height Sensor ON is not detected within the specified time after the rise operation had started.

Procedure

Check/perform the following:

- Switch the power OFF and ON.
- The Stacker Motor (DC330 [012-081/082] (Lift Up/Lift Down)) for operation failure. (PL 70.3)
- The Stacker Height Sensor (DC330 [012-130]) for operation failure. (PL 70.4)
- The Stacker Drive Gear for wear, revolution failure, and damage.
- The Stacker Drive Belt for loose tension and disengagement.

If the problem persists, replace the Finisher PWB. (PL 70.3)

012-221 Front Tamper Home Sensor ON Fail RAP

BSD-ON: BSD 39.4

The Front Tamper Home Sensor does not switch ON within the specified time.

Initial Actions

- Check the Front Tamper Home Sensor for improper installation, deformation, and foreign substances.
- Switch the power OFF and ON.

Procedure

Move the Front Tamper manually to check whether it moves smoothly without drag.

The Front Tamper moves smoothly.

Y   N

    Check whether any other parts is interfering with the Front Tamper and whether there is any paper bits jammed at the Front Tamper.

Enter the Diag Mode and switch ON DC330 [012-123] (Front Tamper Home Sensor). Move the Front Tamper manually to switch the Sensor OFF and ON.

The output display of the Sensor toggles.

Y   N

    Switch OFF the power and check the connection between the Finisher PWB J8860 and the Front Tamper Home Sensor J8890 for open circuit, short circuit, and poor contact. If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fail is still occurring and reinstall the parts that is not causing the problem.

    - Front Tamper Home Sensor (PL 70.10)

    - Finisher PWB (PL 70.3)

Press Stop. Switch ON the Front Tamper Motor (DC330 [012-012/014] (Low Speed Front/Low Speed Rear) alternately.

Tthe Front Tamper Motor operates.

Y   N

    Switch OFF the power and check the connection between the Finisher PWB J8861 and the Front Tamper Motor J8900 for open circuit, short circuit, and poor contact. If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fail is still occurring and reinstall the parts that is not causing the problem.

    - Rear Tamper Motor (PL 70.10)

    - Finisher PWB (PL 70.3)

Replace the Finisher PWB. (PL 70.3)

012-223 Front Tamper Home Sensor OFF Fail RAP

BSD-ON: BSD 39.4

After the operation had stopped due to Front Tamper Home Sensor ON/OFF detection, the Front Tamper Home Sensor does not switch OFF.

Procedure

Refer to 012-221 RAP (Front Tamper Home Sensor ON Fail).

012-224 Rear Tamper Home Sensor OFF Fail RAP

BSD-ON: BSD 39.4

After the operation had stopped due to Rear Tamper Home Sensor ON/OFF detection, the Rear Tamper Home Sensor does not switch OFF.

Initial Actions

- Check the Rear Tamper Home Sensor for improper installation, deformation, and foreign substances.

- Switch the power OFF and ON.

Procedure

Move the Rear Tamper manually to check whether it moves smoothly without drag.

The Rear Tamper moves smoothly.
Y   N

> Check whether any other parts is interfering with the Rear Tamper and whether there is any paper bits jammed at the Rear Tamper.

Enter the Diag Mode and switch ON Rear Tamper Home Sensor (DC330 [012-124]). Move the Rear Tamper manually to switch the Sensor OFF and ON.

The output display of the Sensor toggles.
Y   N

> Switch OFF the power and check the connection between the Finisher PWB J8860 and the Rear Tamper Home Sensor J8896 for open circuit, short circuit, and poor contact. If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fail is still occurring and reinstall the parts that is not causing the problem.
>
> - Rear Tamper Home Sensor (PL 70.10)
>
> - Finisher PWB (PL 70.3)

Press Stop. Switch ON the Rear Tamper Motor (DC330 [012-016/018] (Low Speed Front/Low Speed Rear) alternately.

The Rear Tamper Motor operates.
Y   N

> Switch OFF the power and check the connection between the Finisher PWB J8861 and the Rear Tamper Motor J8901 for open circuit, short circuit, and poor contact. If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fail is still occurring and reinstall the parts that is not causing the problem.
>
> - Rear Tamper Motor (PL 70.10)
>
> - Finisher PWB (PL 70.3)

Replace the Finisher PWB. (PL 70.3)

012-263 Rear Tamper Home Sensor ON Fail RAP

BSD-ON: BSD 39.4

The Rear Tamper Home Sensor does not switch ON within the specified time.

Procedure

Refer to 012-224 RAP (Rear Tamper Home Sensor OFF Fail).

012-283 Set Clamp Home Sensor ON Fail RAP

BSD-ON: BSD 39.7

The Set Clamp Home Sensor does not switch ON at the completion of operation.

Initial Actions

- Check the Set Clamp Home Sensor for improper installation, deformation, and foreign substances.
- Switch the power OFF and ON.

Procedure

Move the Shelf/Set Clamp manually to check whether it moves smoothly without drag.

The Shelf/ Set Clamp moves smoothly.

Y   N

> Check whether any other parts is interfering with the Shelf/Set Clamp and whether the Shelf/ Set Clamp mechanism is experiencing any sliding load due to contamination.

Enter the Diag Mode and switch ON Set Clamp Home Sensor (DC330 [012-122]). Move the Shelf manually to switch the Sensor OFF and ON.

The output display of the Sensor toggles.

Y   N

> Switch OFF the power and check the connection between the Finisher PWB J8860 and the Set Clamp Home Sensor J8891 for open circuit, short circuit, and poor contact.
>
> If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fault is still occurring and reinstall the parts that is not causing the problem.
>
> - Set Clamp Home Sensor (PL 70.5)
>
> - Finisher PWB (PL 70.3)

Press Stop. Switch ON the Eject Motor (DC330 [012-058/059] ((Forward/High)/(Reverse/High)) alternately.

The Eject Motor operates.

Y   N

> Switch OFF the power and check the connection between the Finisher PWB J8862 and the Eject Motor J8902 for open circuit, short circuit, and poor contact.
>
> If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fault is still occurring and reinstall the parts that is not causing the problem.
>
> - Eject Motor (PL 70.5)
>
> - Finisher PWB (PL 70.3)

Press Stop. Switch ON the Eject Cam Clutch (DC330 [012-066]).

The Eject Cam Clutch operates.

Y   N

> Switch OFF the power and check the connection between the Finisher PWB J8875 and the Eject Cam Clutch P8906 for open circuit, short circuit, and poor contact.
>
> If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fault is still occurring and reinstall the parts that is not causing the problem.

A

A
- Eject Cam Clutch (PL 70.4)
- Finisher PWB (PL 70.3)

Replace the Finisher PWB. (PL 70.3)

012-284 Set Clamp Home Sensor OFF Fail RAP

BSD-ON: BSD 39.7

The Set Clamp Home Sensor does not switch OFF at the completion of operation.

Procedure

Refer to 012-283 RAP (Set Clamp Home Sensor ON Fail).

012-291 Stapler Fail RAP

BSD-ON: BSD 39.6

- The Staple Head Home Sensor does not detect OFF/ON within the specified time at Staple operation.
- The Staple Head Home Sensor does not switch ON even once within the specified time after the Reverse operation.

Initial Actions

- Check the Staple Assembly and Cartridge for improper installation, damage, and foreign substances.
- Switch the power OFF and ON.

Procedure

Enter the Diag Mode and perform the following:

1. Switch ON Staple Head Home Sensor (DC330 [012-128]).
2. Switch ON the Staple Motor (DC330 [012-033/034] (Forward/Reverse) alternately.

Note: The Diag of Staple Motor (DC330 [012-034] (Reverse) will not operate when the Staple Head Home Sensor is detecting the Home position.

The output display of the Sensor toggles.
Y   N

> Switch OFF the power and check the connection between the Finisher PWB J8863, J8876 and the Staple Assembly J8904, J8894 for open circuits, short circuits, and poor contacts.
>
> If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fail is still occurring and reinstall the parts that is not causing the problem.
>
> - Staple Assembly (PL 70.9)
> - Finisher PWB (PL 70.3)

Replace the Finisher PWB. (PL 70.3)

012-295 Stapler Move Position Sensor ON Fail RAP

BSD-ON: BSD 39.5

Detected during any of the following conditions:

- The Stapler Move Position Sensor does not switch ON within the specified time.
- The Stapler Move Position Sensor was detected to switch ON during the Slow-Up of Stapler Move Motor.
- The Stapler Move Home Position Sensor does not switch ON as it should at the completion of operation.

Initial Actions

- Check the Stapler Move Position Sensor for improper installation, deformation, and foreign substances.
- Switch the power OFF and ON.

Procedure

Move the Staple Assembly manually to check whether it moves smoothly without drag.

The Staple Assembly moves smoothly.
Y   N

> Check whether any other parts is interfering with the Staple Assembly and whether the Staple Assembly is experiencing any sliding load.

Enter the Diag Mode and switch ON Stapler Move Position Sensor (DC330 [012-125]). Move the Staple Assembly manually to switch the Sensor OFF and ON.

The output display of the Sensor toggles.
Y   N

> Switch OFF the power and check the connection between the Finisher PWB J8877 and the Stapler Move Position Sensor J8893 for open circuit, short circuit, and poor contact.
>
> If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fault is still occurring and reinstall the parts that is not causing the problem.
>
> - Stapler Move Position Sensor (PL 70.9)
> - Finisher PWB (PL 70.3)

Press Stop. Switch ON the Stapler Move Motor (DC330 [012-031/032] (Front/Rear) alternately.

Tthe Stapler Move Motor operates.
Y   N

> Switch OFF the power and check the connection between the Finisher PWB J8878 and the Stapler Move Motor J8903 for open circuit, short circuit, and poor contact.
>
> If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fault is still occurring and reinstall the parts that is not causing the problem.
>
> - Stapler Move Motor (PL 70.9)
> - Finisher PWB (PL 70.3)

Replace the Finisher PWB. (PL 70.3)

012-296 Stapler Move Position Sensor OFF Fail RAP

BSD-ON: BSD 39.5

Detected during any of the following conditions:

- The Stapler Move Position Sensor does not switch OFF within the specified time.
- The Stapler Move Home Position Sensor does not switch OFF as it should at the completion of operation.

Procedure

Refer to 012-295 RAP (Stapler Move Position Sensor ON Fail).

012-334 Download Mode Fail RAP

BSD-ON: BSD 39.2

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

Procedure

Check the following:

- Perform the Software Download for the Finisher.
- The connecting cable between the Finisher and the IOT for poor connection.
- The Power Cable of the Finisher for improper insertion.

If the problem persists, replace the Finisher PWB. (PL 70.3)

012-351 Finisher Logic Fail RAP

BSD-ON: BSD 39.2

A Finisher software processing error has occurred.

Procedure
Perform the following:

- Switch the power OFF and ON.

012-405 Stapler Near Low Staple RAP

BSD-ON: BSD 39.6

It was detected that the staples needs to be replaced soon.

Procedure
Check the following:

- The Staple Cartridge needs to be replaced soon. Prepare a new Staple Cartridge. Replace the Staple Cartridge as required.

- Open and close the Finisher Front Cover and the Top Eject Cover.

- If closing the Finisher Front Cover and the Top Eject Cover still result in a Finisher Cover Open Fail, refer to 014-304 RAP (Finisher Cover Open).

012-912 Finisher Static Jam RAP

BSD-ON: BSD 39.2

The Finisher Paper Path Sensor detected paper.

Procedure

Check the target Paper Path Sensor at the displayed paper remaining location (Jam Zone) for the following:

- Remove all paper (from above the Paper Path Sensor) that remain in the Finisher, including any paper that may be causing the jam.
- The Paper Path Sensor operation and for improper installation.
- Sensor detection due to remaining paper bits, foreign substances on the paper path.

If the problem persists, replace the Finisher PWB. (PL 70.3)

013-291 Eject Cam Home Sensor ON Fail RAP

BSD-ON: BSD 39.7

Detected when any of the following conditions are met:

- The Eject Cam Home Sensor ON is not detected within the specified time.

- The Eject Cam Home Sensor does not switch ON as it should at the completion of operation.

Initial Actions

- Check the Eject Cam Home Sensor for improper installation, deformation, and foreign substances.

- Switch the power OFF and ON.

Procedure

Check the Eject mechanism for deformation, damage, and disengagement of belts, etc.

It is in proper condition without deformation, damage, and disengagement of belts, etc.
Y   N
  Repair the mechanisms.

Enter the Diag Mode and switch ON Eject Cam Home Sensor (DC330 [012-121]). Move the Eject mechanism manually to switch the Sensor OFF and ON.

The output display of the Sensor toggles.
Y   N

  Switch OFF the power and check the connection between the Finisher PWB J8865 and the Eject Cam Home Sensor J8898 for open circuit, short circuit, and poor contact.

  If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fail is still occurring and reinstall the parts that is not causing the problem.

  - Eject Cam Home Sensor (PL 70.4)

  - Finisher PWB (PL 70.3)

Press Stop. Switch ON the Eject Motor (DC330 [012-058/059] ((Forward/High)/(Reverse/High)) alternately.

The Eject Motor operates.
Y   N

  Switch OFF the power and check the connection between the Finisher PWB J8862 and the Eject Motor J8902 for open circuit, short circuit, and poor contact.

  If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fail is still occurring and reinstall the parts that is not causing the problem.

  - Eject Motor (PL 70.5)

  - Finisher PWB (PL 70.3)

Press Stop. Switch ON Ejector Home Initialize (DC330 [012-051]).

The Eject Clamp rises or drops.
Y   N

  Switch OFF the power and check the connection between the Finisher PWB J8875 and the Eject Cam Clutch P8906 for open circuit, short circuit, and poor contact.

A

A

If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fail is still occurring and reinstall the parts that is not causing the problem.

- Eject Cam Clutch (PL 70.4)

- Finisher PWB (PL 70.3)

Replace the Finisher PWB. (PL 70.3)

013-292 Eject Cam Home Sensor OFF Fail RAP

BSD-ON: BSD 39.7

Detected when any of the following conditions are met:

- The Eject Cam Home Sensor OFF is not detected within the specified time.
- The Eject Cam Home Sensor does not switch OFF as it should at the completion of operation.

Procedure

Refer to 013-291 (Eject Cam Home Sensor ON Fail).

014-304 Finisher Cover Open RAP

BSD-ON: BSD 39.1

Front Cover or Top Eject Cover Open was detected.

Procedure

Check the following:

- Close the Front Cover and the Top Eject Cover.
- The Front Door Interlock Switch (DC330 [012-101]) for operation failure. (PL 70.1)
- The Finisher Top Cover Interlock Switch (DC330 [012-101]) for operation failure. (PL 70.1)
- The Front Cover and the Top Eject Cover for improper installation.
- The Front Cover and the Top Eject Cover for damaged door hinge.
- The Front Cover and the Top Eject Cover for damaged rib.
- The Front Cover and the Top Eject Cover for magnet malfunction.

If the problem persists, replace the Finisher PWB. (PL 70.3)

024-916 Stacker Mix Size Full Stack RAP

BSD-ON: BSD 39.2

Detected when both the following conditions from 1 and 2 are met:

1. Any of the following conditions are met
   - When a paper with size longer in paper feed length or paper width is stacked on top of the paper stack containing the output paper (sheaf).
   - The output paper sheaf staple specification and the NVM (Final Output Paper Staple Specification) are different. As the output position is also different during Staple cancel, it will be determined the same way.
   - When Staple was canceled for the output paper sheaf even though the output paper sheaf staple specification and the NVM (Final Output Paper Staple Specification) are the same.
   - The output paper sheaf output method and the NVM (Final Output Paper Output Method) are different.
   - When an unknown paper is stacked.
2. The value of NVM (High Capacity Stacker - Stacker Cart Stack Capacity) has exceeded the value of NVM (High Capacity Stacker - Stacker Cart Full Stack Number of Sheets_Mixed).

Procedure

Remove the paper from the High Capacity Stacker - Stacker Cart.

If the error is still displayed after paper is removed from the High Capacity Stacker - Stacker Cart, check the following:

- The value of NVM [763-943] (High Capacity Stacker - Stacker Cart Full Stack Number of Sheets_ Mixed). (Default Value: 250, Setting Range: 100 to 1000)
- The Stacker Height Sensor (DC330 [012-130]) for operation failure. (PL 70.4)
- The Stacker No Paper Sensor (DC330 [012-129]) for operation failure. (PL 70.3)
- The Stacker No Paper Sensor (DC330 [012-129]) for operation failure. (PL 70.3)

If the problem persists, replace the Finisher PWB. (PL 70.3)

024-917 Stapler Set Over RAP

BSD-ON: BSD 39.2

NVM (Number of Stapled Sets in Paper Stack) has exceeded the specification value.

Procedure

Remove the paper from the High Capacity Stacker - Stacker Cart.

If the error is still displayed after paper is removed from the High Capacity Stacker - Stacker Cart, check the following:

- The Stacker Height Sensor (DC330 [012-130]) for operation failure. (PL 70.4)
- The Stacker No Paper Sensor (DC330 [012-129]) for operation failure. (PL 70.3)
- The Stacker Motor (DC330 [012-081/082] (Lift Up/Lift Down)) for operation failure. (PL 70.3)

If the problem persists, replace the Finisher PWB. (PL 70.3)

024-928 Scratch Sheet Compile RAP

BSD-ON: BSD 39.2

When abnormal paper (Scratch Sheet), which is notified from the IOT via the Sheet Information command, was output to the Compiler.

Note: This Fail Code is an operation message. No action necessary. Because occurrence status is stored in NVM, detection is possible even when there is no paper. If this occurs frequently, perform the following:

Initial Actions

- Open and close the Finisher Front Cover and the Top Eject Cover.

- If closing the Finisher Front Cover and the Top Eject Cover still result in a Finisher Cover Open Fail, refer to 014-304 RAP (Finisher Cover Open).

Procedure

Check the paper specification.

The paper matches the specification.

Y　　N

| Replace with paper that matches the specification.

Check the paper condition.

The paper is in proper condition, with no dog ears etc. that may cause a paper jam.

Y　　N

| Remove the dog ears etc. that may cause a paper jam.

Check the Fault Code.

There are other Fault Codes being displayed.

Y　　N

| Replace the Finisher PWB (PL 70.3) and the Main PWB at the IOT in sequence.

Go to the appropriate RAP.

024-976 Staple NG RAP

BSD-ON: BSD 39.6

The Staple Head Home Sensor does not detect OFF/ON within the specified time at Staple operation but the Staple Head Home Sensor detected ON within the specified time after the Reverse operation.

Procedure

Open and close the Finisher Front Cover and the Top Eject Cover. If the problem persists, refer to 012- 291 RAP (Stapler Fail).

024–977 Staple Ready Sensor Fail RAP

BSD-ON: BSD 39.6

Detected when any of the following conditions are met:

- The Staple Ready Sensor is in OFF state when the stapling operation has started.
- The Staple Ready Sensor is in OFF state and it does not change to ON state even after 13 times of Empty stapling.

Initial Actions

- Pull out and reinsert the Staple Cartridge to check whether it is correctly installed.
- Check whether an out of spec paper is being used.

Procedure

Enter the Diag Mode and perform the following:

1. Switch ON Staple Ready Sensor (DC330 [012-127]).
2. Switch ON the Staple Motor (DC330 [012-033/034] (Forward/Reverse) alternately.

Note: The Diag of Staple Motor (DC330 [012-034] (Reverse) will not operate when the Staple Head Home Sensor is detecting the Home position.

The output display of the Sensor toggles.
Y   N
| Switch OFF the power and check the connection between the Finisher PWB J8863, J8876 and the Staple Assembly J8904, J8894 for open circuits, short circuits, and poor contacts. If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fail is still occurring and reinstall the parts that is not causing the problem.

- Staple Assembly (PL 70.9)
- Finisher PWB (PL 70.3)

Replace the Finisher PWB. (PL 70.3)

024-979 Stacker Low Staple RAP

BSD-ON: BSD 39.6

Detected when any of the following has occurred:

- When Low Staple Sensor was detected to switch ON at Power ON and Interlock Close.
- When Low Staple Sensor was detected to switch ON just before Staple Motor ON.

Procedure

Check the remaining amount of staples in the Staple Cartridge.
There is a sufficient amount of staples left.
Y   N
| Replace the Staple Cartridge.
Enter the Diag Mode and switch ON Low Staple Sensor (DC330 [012-126]). Pull out and reinsert the Staple Cartridge to switch the Sensor OFF and ON.
The output display of the Sensor toggles.
Y   N
| Switch OFF the power and check the connection between the Finisher PWB J8876 and the Staple Assembly J8894 for open circuit, short circuit, and poor contact. If the problem persists, replace the following parts in sequence: However, each time a parts is replaced, check whether the Fail is still occurring and reinstall the parts that is not causing the problem.

- Staple Assembly (PL 70.9)
- Finisher PWB (PL 70.3)

Replace the Finisher PWB. (PL 70.3)

024-980 Stacker Tray Full Stack RAP

BSD-ON: BSD 39.8

Detected when any of the following conditions are met:

- The value of NVM (High Capacity Stacker - Stacker Cart Current Position) has exceeded the values of NVM (High Capacity Stacker - Stacker Cart Full Stack Position).

- The value of NVM (High Capacity Stacker - Stacker Cart Stack Capacity) has exceeded the values of NVM (High Capacity Stacker - Stacker Cart Full Stack Number of Sheets).

Procedure

Remove the paper from the High Capacity Stacker - Stacker Cart.

If the error is still displayed after paper is removed from the Tray, check the following:

- The value of NVM [763-930] (High Capacity Stacker - Stacker Cart Full Stack Position (Paper Feed Length < = 216.0 mm)). (Default Value: 12,900, Setting Range: 800 to 14,130)

- The value of NVM [763-931] (High Capacity Stacker - Stacker Cart Full Stack Position (216.0 mm < Paper Feed Length < = 419.9 mm)). (Default Value: 11,300, Setting Range: 800 to 14,130)

- The value of NVM [763-932] (High Capacity Stacker - Stacker Cart Full Stack Position (419.9 mm < Paper Feed Length)). (Default Value: 10,760, Setting Range: 800 to 14,130)

- The value of NVM [763-933] (High Capacity Stacker - Stacker Cart Full Stack Position (Mixed)). (Default Value: 11,300, Setting Range: 800 to 14,130)

- The value of NVM [763-940] (High Capacity Stacker - Stacker Cart Full Stack Number of Sheets (Paper Feed Length < = 216.0 mm)). (Default Value: 500, Setting Range: 100 to 1,000)

- The value of NVM [763-941] (High Capacity Stacker - Stacker Cart Full Stack Number of Sheets (216.0 mm < Paper Feed Length < = 419.9 mm)). (Default Value: 250, Setting Range: 100 to 1,000)

- The value of NVM [763-942] (High Capacity Stacker - Stacker Cart Full Stack Number of Sheets (419.9 mm < Paper Feed Length)). (Default Value: 200, Setting Range: 100 to 1,000)

- The value of NVM [763-943] (High Capacity Stacker - Stacker Cart Full Stack Number of Sheets (Mixed, Paper Feed Length < = 419.9 mm)). (Default Value: 250, Setting Range: 100 to 1,000)

- The Stacker Height Sensor (DC330 [012-130]) for operation failure. (PL 70.4)

- The Stacker No Paper Sensor (DC330 [012-129]) for operation failure. (PL 70.3)

- The Stacker Motor (DC330 [012-081/082] (Lift Up/Lift Down)) for operation failure. (PL 70.3)

If the problem persists, replace the Finisher PWB. (PL 70.3)

024-982 Stacker Lower Safety Warning

BSD-ON: BSD 39.8

The Stacker Height Sensor does not detect OFF within the specified time 3 times in a row after the lowering has started.

Procedure

Check the following:

- The Stacker lower section for foreign substances.

- Whether the Tray is in contact with the side walls, etc.

- The Stacker Motor (DC330 [012-081/082] (Lift Up/Lift Down)) for operation failure. (PL 70.3)

- The Stacker Height Sensor (DC330 [012-130]) for operation failure. (PL 70.4)

- The Stacker Drive Gear for wear, revolution failure, and damage.

- The Stacker Drive Belt for loose tension and disengagement.

If the problem persists, replace the Finisher PWB. (PL 70.3)
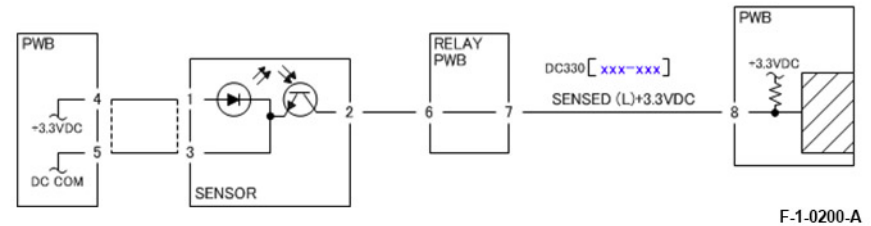
OF 1 Reflective Sensor Failure RAP

Procedure

F-1-0200-A

Figure 1 Reflective Sensor Failure

Enter DC330 [XXXX-XXX]. Block the sensor with a sheet of blank paper. [LOW] is displayed.
Y   N
> **The voltage between the sensor pin-2 (+) and the GND (-) is +3.3 VDC.**
> **Y   N**
> > Check the connection between the sensor pin-2 and the PWB pin-8 for an open circuit and poor contact.
> >
> > If the problem persists, replace the PWB.
>
> **The voltage between the sensor pin-1 (+) and pin-3 (-) is +3.3 VDC.**
> **Y   N**
> > **The voltage between the PWB pin-4 (+) and pin-5 (-) is +3.3 VDC.**
> > **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 an open circuit and poor contact.**
>
> **Check the sensor for contamination and improper installation. If the problem persists, replace the sensor.**

Remove the sheet of paper blocking the sensor. [HIGH] is displayed.
Y   N
> **Disconnect the sensor connector. The display changes to [HIGH].**
> **Y   N**
> > Check the connection between the sensor pin-2 and the PWB pin-8 for a short circuit. If the problem persists, replace the PWB.
>
> **Check the sensor for improper installation and incident light diffraction. If the problem persists, replace the sensor.**

Check the installation of the sensor. If the problem persists, replace the sensor.

OF 2 Permeable Sensor Failure RAP
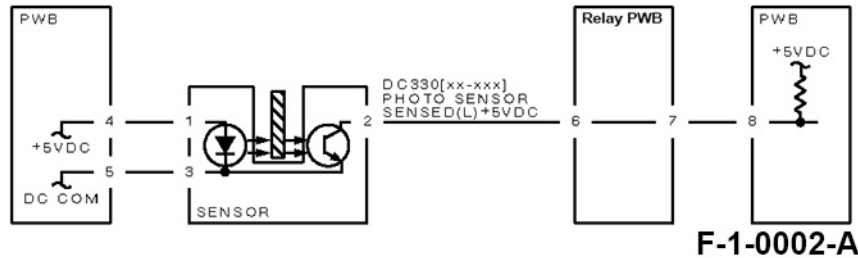
Procedure

Figure 1 Permeable Sensor Failure

Enter DC330[XXX-XXX]. Block the sensor. [HIGH] is displayed.
Y   N

    Disconnect the sensor connector. The display changes to [HIGH].
    Y   N

        Check the connection between the sensor pin-2 and the PWB pin-8 for a short circuit. If the problem persists, replace the PWB.

    Replace the sensor.

Remove any obstruction on the sensor light path. The display changes to [LOW].
Y   N

    +5VDC is 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 the problem persists, replace the PWB.

    +5VDC is 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 an open circuit and poor contact.

        If the problem persists, replace the PWB.

    Check the sensor for contamination. If the problems persist, replace the sensor.

Check the sensor for improper installation and the Actuator for bending or failure. If the problems persist, replace the sensor.
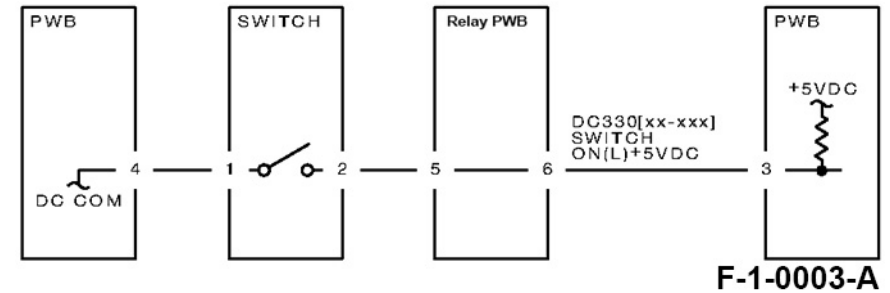
OF 3 Switch (Normal/Open) Failure RAP

Procedure

Figure 1 Switch (Normal/Open) Failure

Enter DC330[XXX-XXX]. Turn the switch ON. [LOW] is displayed.
Y   N

    +5VDC is 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 the problem persists, replace the PWB.

    +5VDC is 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 the problem persists, replace the PWB.

Turn the switch OFF. [HIGH] is displayed.
Y   N

    Disconnect the switch connector. [HIGH] is displayed.
    Y   N

        Check the connection between the switch pin-2 and the PWB pin-3 for a short circuit.

        If the problem persists, replace the PWB.

    Replace the switch.

Check the installation of the switch. If the problems persists, replace the switch.

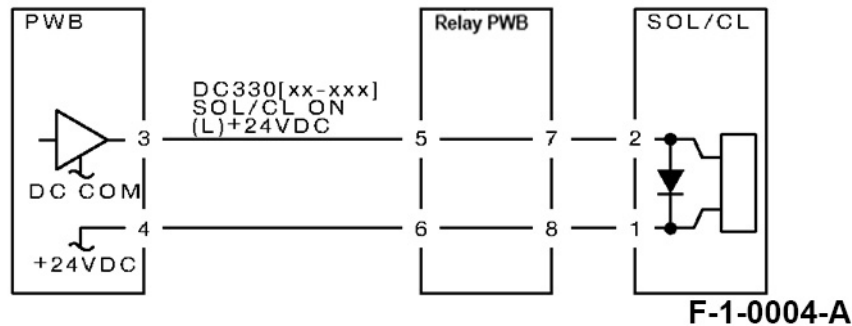## OF 4 Solenoid/Clutch Not Energized Failure RAP

Procedure

Figure 1 Solenoid/Clutch Not Energized Failure

Note: Before performing this RAP, ensure that there is no (mechanical) operation failure with the solenoid and the clutch.

Enter DC330[XXX-XXX] and switch it ON. +24VDC is measured between the PWB pin-3 (+) and the GND (-).
Y   N

> **+24VDC is measured between the solenoid/clutch pin-2 (+) and the GND (-).**
> Y   N
>
> > **+24VDC is 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 the problem persists, 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.

OF 5 Solenoid/Clutch Left Energized Failure RAP

Procedure

Switch OFF the power.

Disconnect the PWB connector. The resistance between the connector pin-3 and the frame is 1Ohm 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 the problems persist, replace the solenoid/clutch.

OF 6 Motor Does Not Rotate Failure RAP
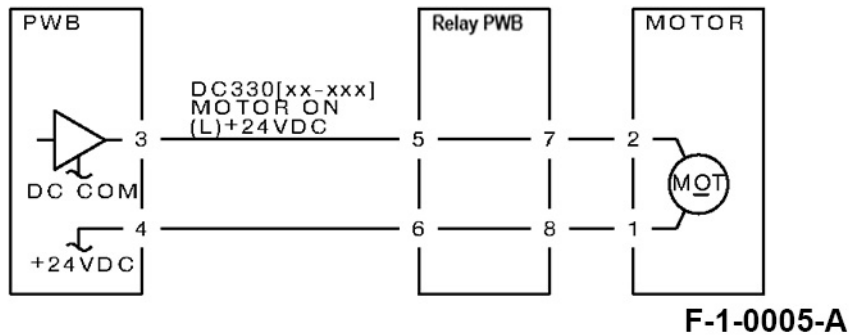
Procedure

Figure 1 Motor Does Not Rotate Failure

Note: Before performing this RAP, ensure that the motor is not locked or loaded.

Enter DC330[XXX-XXX] and switch it ON.

+24VDC is measured between the PWB pin-3 (+) and the GND (-).
Y   N

    +24VDC is measured between the motor pin-2 (+) and the GND (-).
    Y   N

        +24VDC is measured between the motor pin-1 (+) and the GND (-).
        Y   N

            +24VDC is measured between the PWB pin-4 (+) and the GND (-).
            Y   N

                Replace the PWB.

            Check the connection between the PWB pin-4 and the motor pin-1 for an open circuit and poor contact.

        Replace the motor.

    Check the connection between the PWB pin-3 and the motor pin-2 for an open circuit and poor contact.

Replace the PWB.

OF 7 Motor Left Running Failure RAP

Procedure

Switch OFF the power. Disconnect the PWB connector.

The resistance between the connector pin- 3 and the frame is 10Ohm 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 the problems persist, replace the motor.

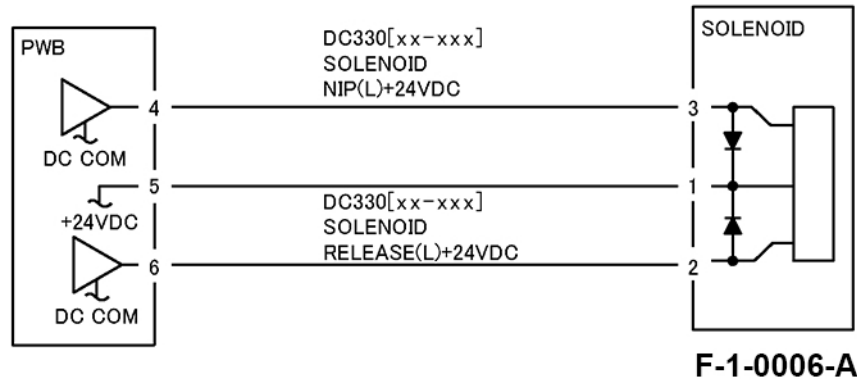## OF 8 NIP/Release Solenoid Not Energized Failure RAP

Procedure

Figure 1 NIP/Release Solenoid Not Energized Failure

Note: Before performing this RAP, ensure that there is no (mechanical) operation failure with the solenoid.

+24VDC is measured between the NIP/RELEASE SOLENOID pin-1 (+) and the GND (-)
Y   N

> **+24VDC is measured between the PWB pin-5 (+) and the GND (-)**
> **Y   N**
>
> > Check the +24VDC inputs of the PWB. If the problem persists, 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 RAP when there is a problem with the NIP. Enter DC330[XXX-XXX] and switch the SOL NIP ON. +24VDC is measured between the PWB pin-4 (+) and the GND (-)
Y   N

> **Enter DC330[XXX-XXX] and switch the SOL NIP ON. +24VDC is 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 RAP when there is a problem with the RELEASE. Enter DC330[XXX-XXX] and switch the SOL RELEASE ON. +24VDC is measured between the PWB pin-6 (+) and the GND (-)
Y   N

> **Enter DC330[XXX-XXX] and switch the SOL RELEASE ON. +24VDC is measured between the NIP/RELEASE SOLENOID pin-2 (+) and the GND (-)**
> **Y   N**
>
> > Replace the NIP/RELEASE SOLENOID
>
> **Check the connection between the PWB pin-6 and the NIP/RELEASE SOLENOID pin-2 for an open circuit and poor contact.**

Replace the PWB.

4 Repairs and Adjustments

REP 1.1 Front Cover Assembly
Parts List on PL 70.1

Removal

⚠️   **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Roll Knob. Figure 1

    a. Open the Front Cover.

    b. Remove the Roll Knob.

F-1-0008-A
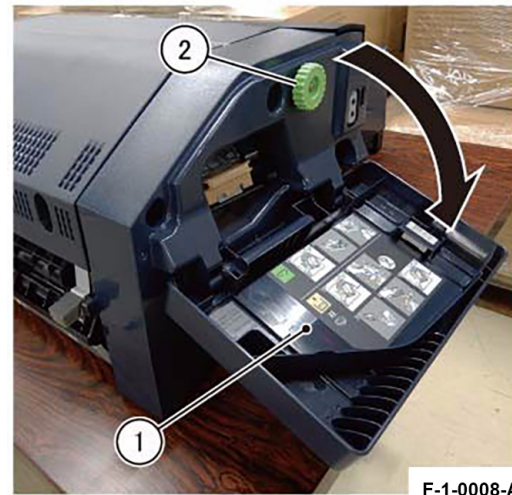
Figure 1 Removal of the Roll Knob

2. Remove the Front Cover Assembly. Figure 2

    a. Remove the screw (x3).

    b. Lift the Top Eject Cover Sub Assembly slightly.

    c. Remove the Front Cover Assembly.
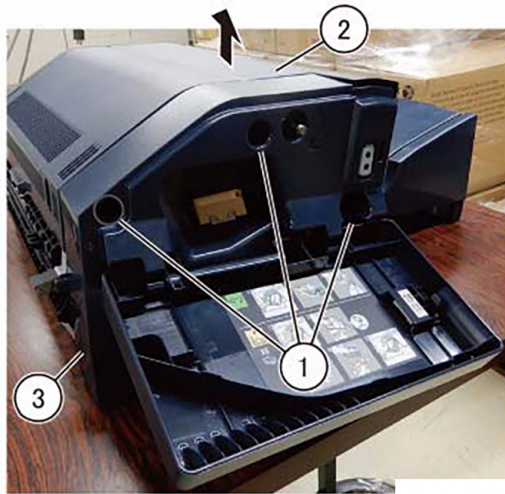
F-1-0009-A

Figure 2 Removal of the Front Cover Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 1.2 Rear Cover

Parts List on PL 70.1

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Rear Cover. (Figure 1)

    a. Remove the screw (x4).

    b. Remove the Rear Cover.

F-1-0010-A

Figure 1 Removal of the Rear Cover

Replacement

1. To install, carry out the removal steps in reverse order.

REP 1.3 Top LH Cover
Parts List on PL 70.1

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (Figure 1)

    a. Remove the screw (x4).

    b. Remove the Top LH Cover.

F-1-0011-A

Figure 1 Removal of the Top LH Cover

Replacement

1. To install, carry out the removal steps in reverse order.

REP 1.4 Top Eject Cover Sub Assembly
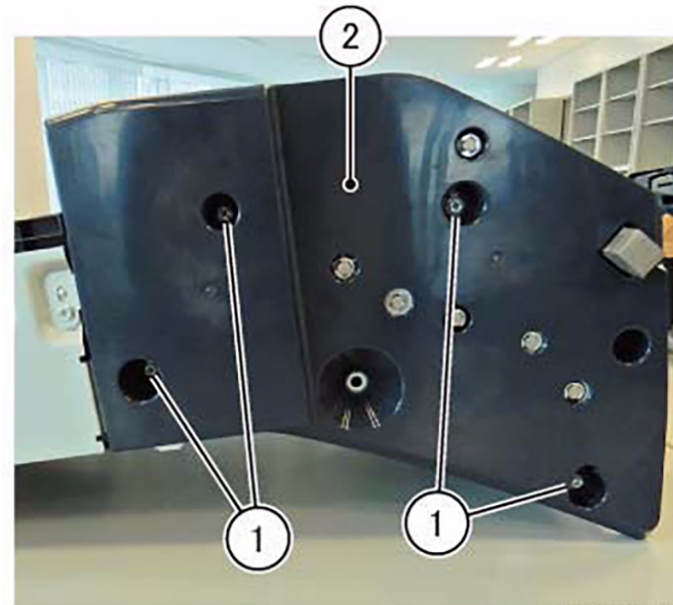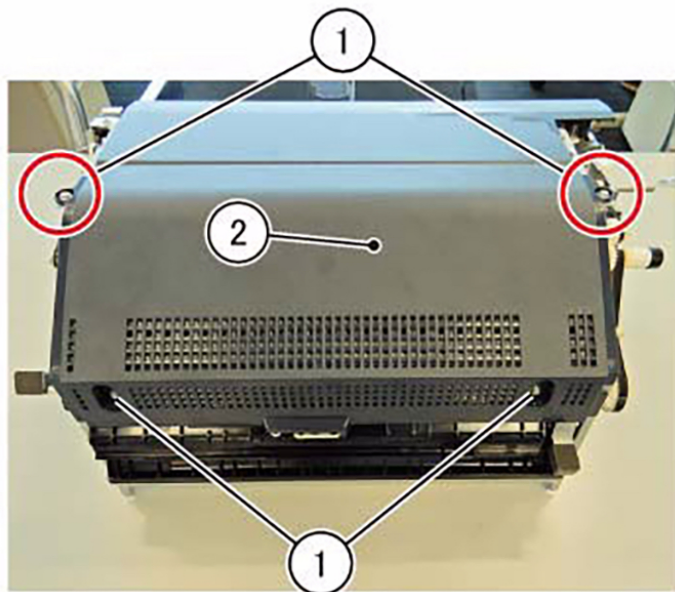Parts List on PL 70.1

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Release the clamp and remove the wire. (Figure 1)

    a. Release the clamp (x2) and remove the wire.

    b. Disconnect the connector (x2).

    c. Release the clamp (x2) and remove the wire.

F-1-0012-A
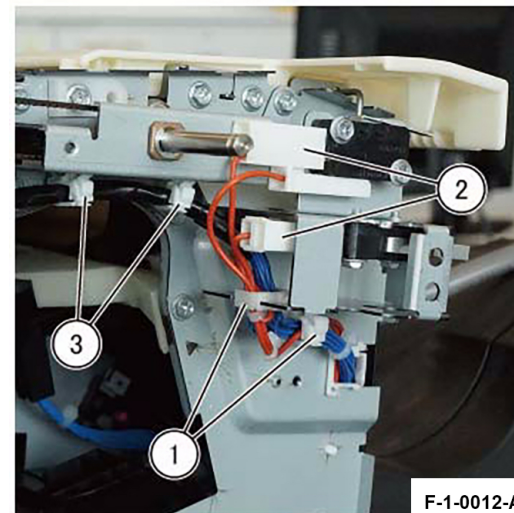
Figure 1 Releasing the clamp and removing the wire

5. Remove the Jam Shaft Bracket Assembly. (Figure 2)

    a. Remove the screw (x3).

    b. Remove the Belt from the Pulley.

    c. Remove the Jam Shaft Bracket Assembly.
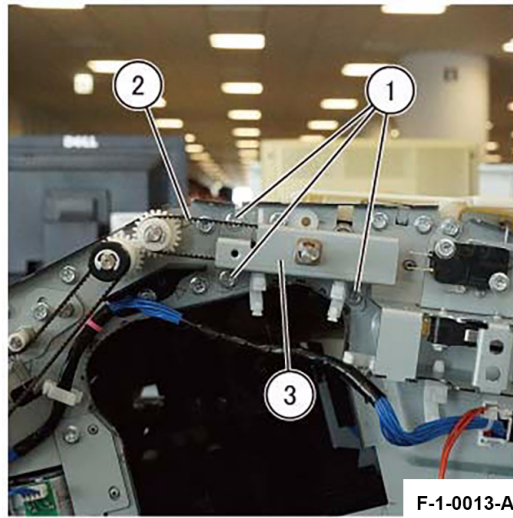
F-1-0013-A

Figure 2 Removal of the Jam Shaft Bracket Assembly (F-1-0013-A)

6. Remove the Front Hinge Bracket. (Figure 3)

    a. Remove the screw.

    b. Remove the Front Hinge Bracket.

F-1-0015-A
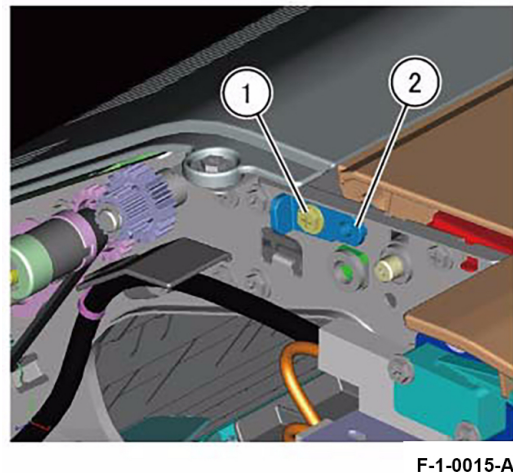
Figure 3 Removal of the Front Hinge Bracket

7. Remove the Top Eject Cover Sub Assembly. (Figure 4)

    a. Lift up the front of the Top Eject Cover Sub Assembly.

    b. Remove the Top Eject Cover Sub Assembly in the direction of the arrow.
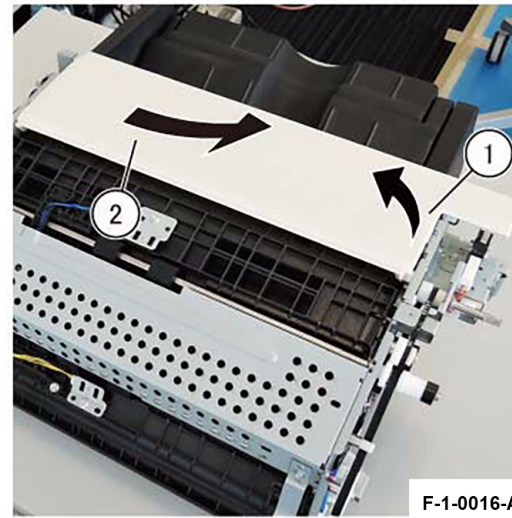
F-1-0016-A

Figure 4 Remove the Top Eject Cover Sub Assembly (F-1-0016-A)

Replacement

1. To install, carry out the removal steps in reverse order.

REP 1.5 Front Interlock Bracket

Parts List on PL 70.1

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

Do the following steps:

1. Remove the Front Cover Assembly. (REP 1.1)

2. Remove the Rear Cover. (REP 1.2)

3. Remove the Top LH Cover. (REP 1.3)

4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)

5. Remove the Front Interlock Bracket. (Figure 1)

   a. Remove the screw from the top of the Finisher.

F-1-0018-A
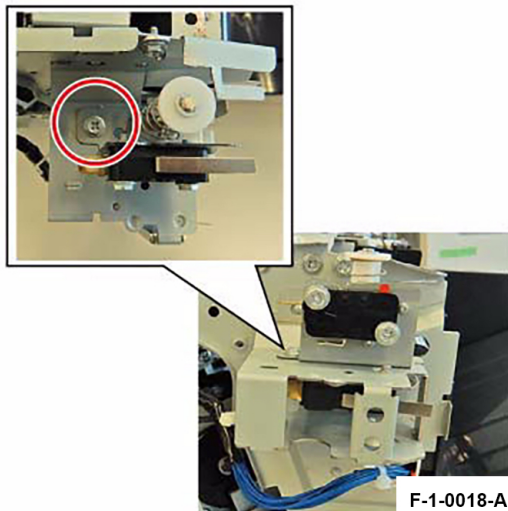
Figure 1 Removal of the Front Interlock Bracket

   b. Remove the screws (x2). (Figure 2)

F-1-0019-A
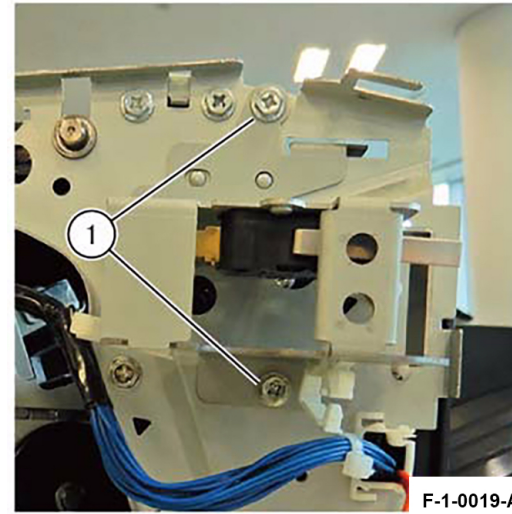
Figure 2 Removal of the Screws

   c. Remove the Front Interlock Bracket.

Replacement

1. To install, carry out the removal steps in reverse order.

REP 2.1 Base Tray Assembly

Parts List on PL 70.2

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

Do the following steps:

1. Remove the Tray Hinge 2. Figure 1

   a. Remove the Tapping Screw.

   b. Remove the Tray Hinge 2.
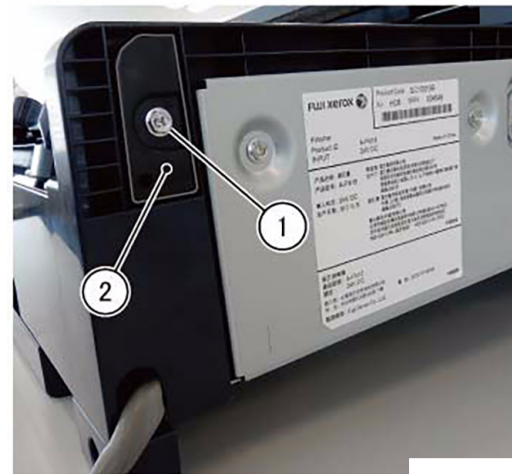
F-1-0022-A

Figure 1 Removal of the Tray Hinge 2

2. Remove the Base Tray Assembly. Figure 2

   a. Push the Base Tray Assembly in the direction of the arrow.

   b. Insert your finger into the Base Tray Assembly, pull in the direction of the arrow to make a gap.

F-1-0023-A

Figure 2 Removal of the Base Tray Assembly

3. Remove the Base Tray Assembly. Figure 3

    a. Bend the Base Tray Assembly in the direction of the arrow and remove it.
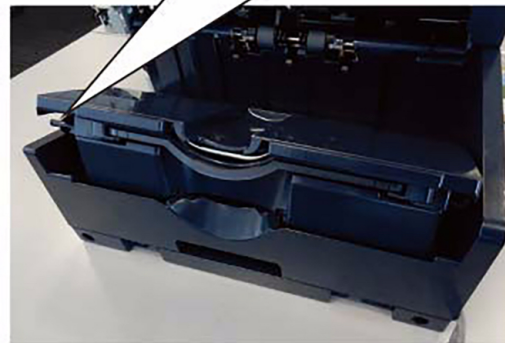
F-1-0024-A

Figure 3 Removal of the Base Tray Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 2.2 Stacker Base Tray

Parts List on PL 70.2

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Base Tray Assembly. (REP 2.1)

2. Remove the Tapping Screw. (Figure 1)

   a. Remove the Tapping Screw (x2).

F-1-0025-A
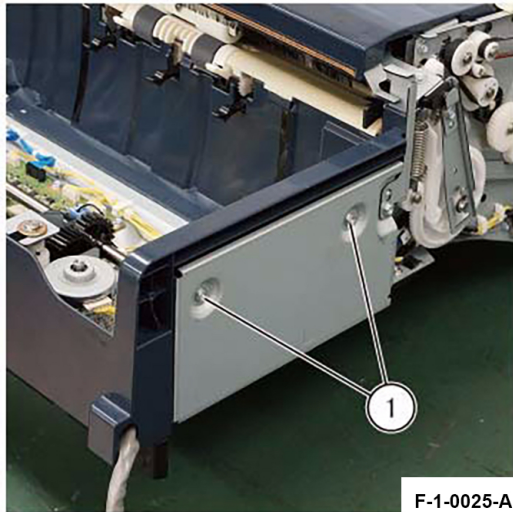
Figure 1 Removal of the Tapping Screw

3. Remove the Tray Hinge. (Figure 2)

   a. Remove the screw (x2).

   b. Remove the Tray Hinge (x2).

F-1-0026-A
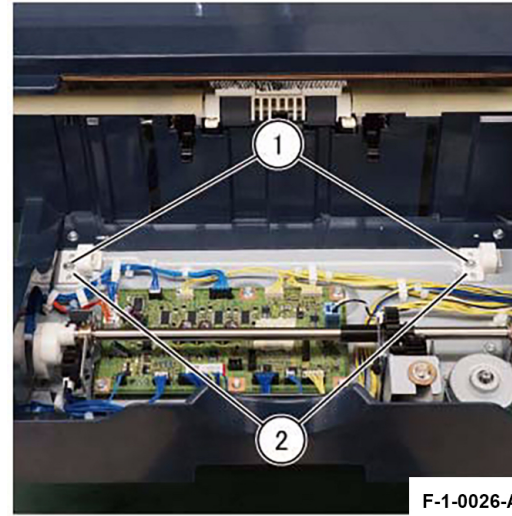
Figure 2 Removal of the Tray Hinge

4. Remove the screw. (Figure 3)

   a. Remove the screw (x7)

F-1-0028-A
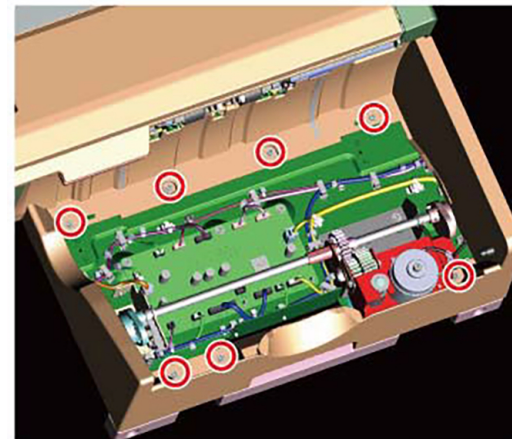
Figure 3 Removal of the Screw

5. Remove the Stacker Base Tray. (Figure 4)

   a. Remove the Stacker Base Tray in the direction of the arrow.

F-1-0029-A
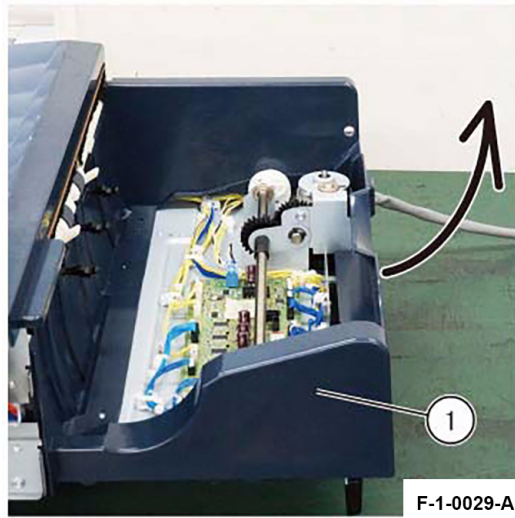
Figure 4 Removal of the Stacker Base Tray

Replacement

1. To install, carry out the removal steps in reverse order.

REP 2.3 Docking Bracket Assembly
Parts List on PL 70.2

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Docking Bracket Assembly. Figure 1

   a. Turn the Integrated Office Finisher upside down.

   b. Remove the screw (x4).

   c. Remove the Docking Bracket Assembly.

F-1-0030-A
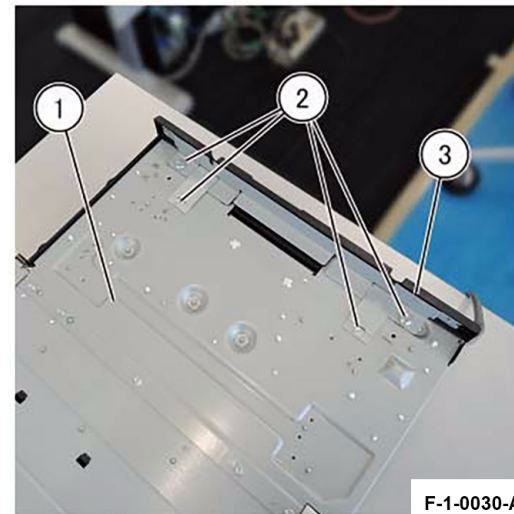
Figure 1 Removal of Docking Bracket Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 3.1 Lift Shaft Assembly

Parts List on PL 70.3

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Base Tray Assembly. (REP 2.1)

2. Remove the Stacker Base Tray. (REP 2.2)

3. Remove the Shaft Bracket. (Figure 1)

   a. Remove the KL-Clip.

   b. Remove the Shaft Bracket in the direction of the arrow.

F-1-0031-A
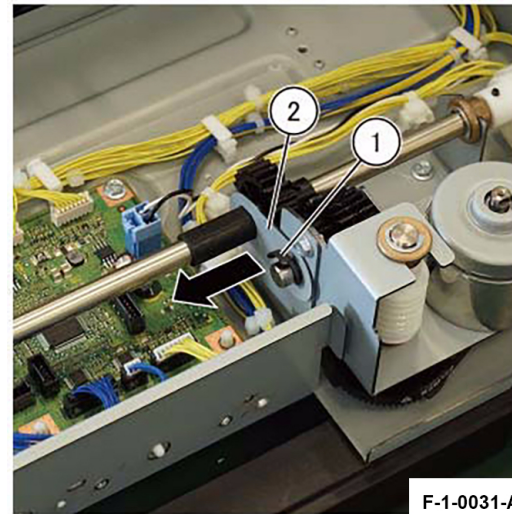
Figure 1 Removal of the Shaft Bracket

4. Remove the Lift Shaft Assembly. (Figure 2)

   a. Remove the E-Clip at the rear.

   b. Move the bearing in the direction of the arrow.

   c. Remove the Lift Shaft Assembly.

F-1-0032-A
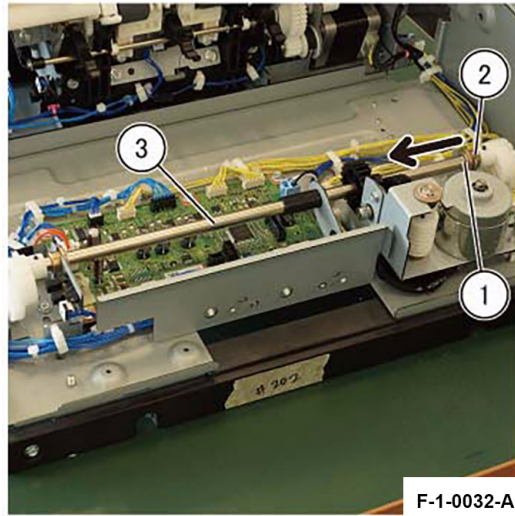
Figure 2 Removal of the Lift Shaft Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 3.2 Lift Motor Bracket Assembly
Parts List on PL 70.3

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Base Tray Assembly. (REP 2.1)
2. Remove the Stacker Base Tray. (REP 2.2)
3. Remove the Lift Shaft Assembly. (REP 3.1)
4. Remove the Lift Motor Bracket Assembly. (Figure 1)

   a. Remove the Push Tie.
   b. Disconnect the connector.
   c. Remove the screws (x3).
   d. Remove the Lift Motor Bracket Assembly.

F-1-0033-A
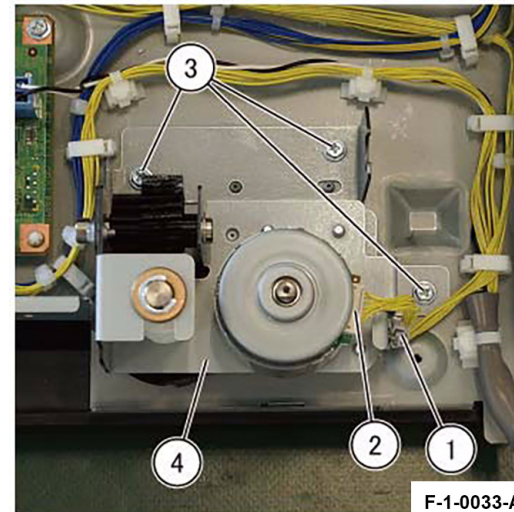
Figure 1 Removal of the Lift Motor Bracket Assembly

5. Remove the Lift Motor Bracket Assembly. (Figure 2)

   a. Release the Push Tie.
   b. Remove the Harness Clamp.
   c. Remove the screws (x3).
   d. Remove the Lift Motor Bracket Assembly.
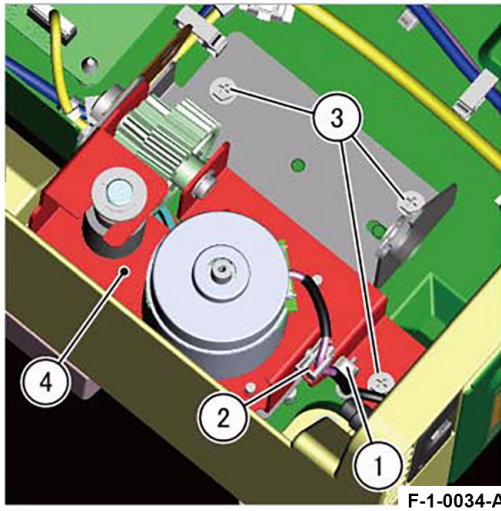
Figure 2 Removal of the Lift Motor Bracket Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 3.3 Finisher PWB
Parts List on PL 70.3

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Base Tray Assembly. (REP 2.1)

2. Remove the Stacker Base Tray. (REP 2.2)

3. Remove the Lift Shaft Assembly. (REP 3.1)

4. Remove the Finisher PWB. (Figure 1)

   a. Disconnect the connector (x14).

   b. Remove the screws (x4).

   c. Remove the Finisher PWB.

Figure 1 Removal of the Finisher PWB

Replacement

1. To install, carry out the removal steps in reverse order.

REP 4.1 Upper Eject Plate Assembly
Parts List on PL 70.4

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)

2. Remove the Rear Cover. (REP 1.2)

3. Remove the Top LH Cover. (REP 1.3)

4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)

5. Remove the Oneway Pulley (28T) Assembly. (Figure 1)

   a. Remove the E-Clip.

   b. Remove the Oneway Pulley (28T) Assembly.

F-1-0036-A
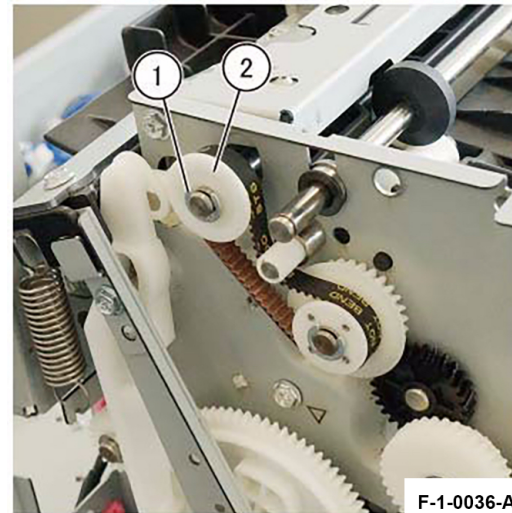
Figure 1 Removal of the Oneway Pulley (28T) Assembly

6. Remove the Eject Pinch Spring. (Figure 2)

   a. Remove the Eject Pinch Spring.
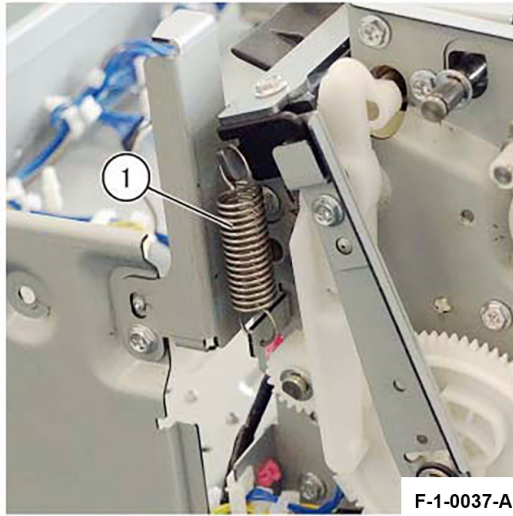
F-1-0037-A

Figure 2 Removal of the Eject Pinch Spring

> **Note:** When removing the Eject Pinch Spring, rotate the Eject Clamp Cam to lower the Upper Eject Plate Assembly before performing the removal. (Figure 3)
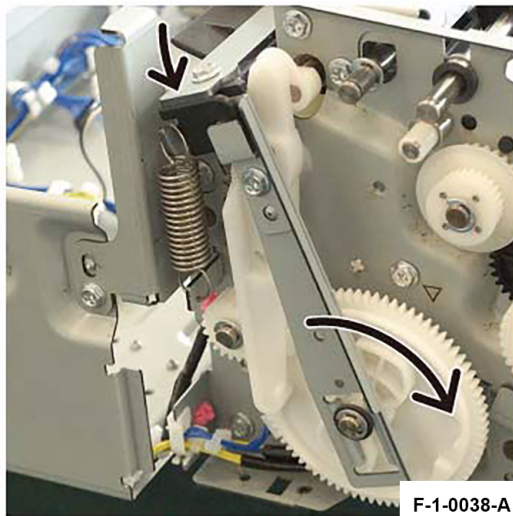
F-1-0038-A

Figure 3 Rotation of the Eject Clamp Cam

7. Remove the Stopper Bracket. (Figure 4)

    a. Remove the screw.

    b. Remove the Stopper Bracket.
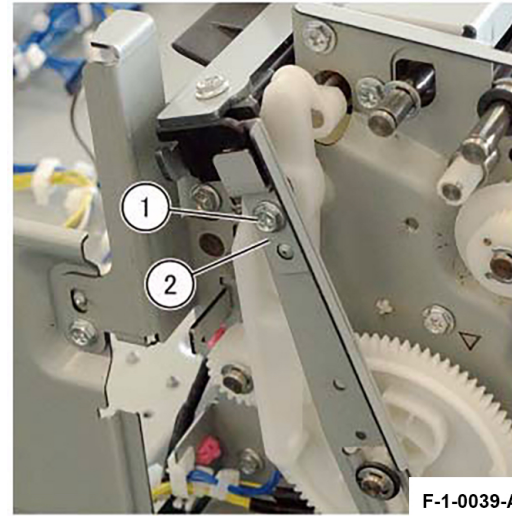
F-1-0039-A

Figure 4 Removal of the Stopper Bracket

8. Remove the Cam Upper Shaft. (Figure 5)

    a. Remove the Cam Upper Shaft.
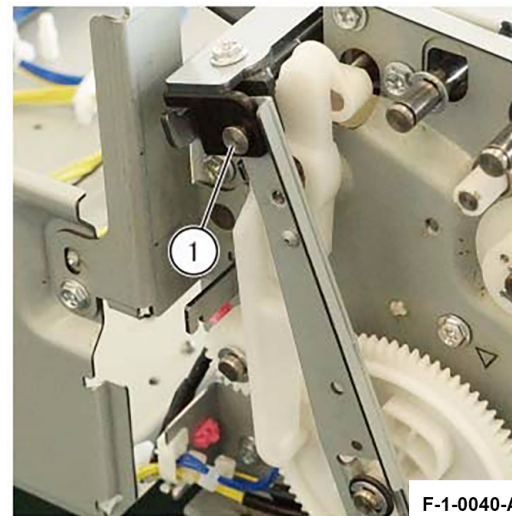
F-1-0040-A

Figure 5 Removal of the Cam Upper Shaft

9. Remove the Cam Link Assembly. (Figure 6)

    a. Remove the E-Clip.

    b. Remove the washer.

    c. Remove the Cam Link Assembly.
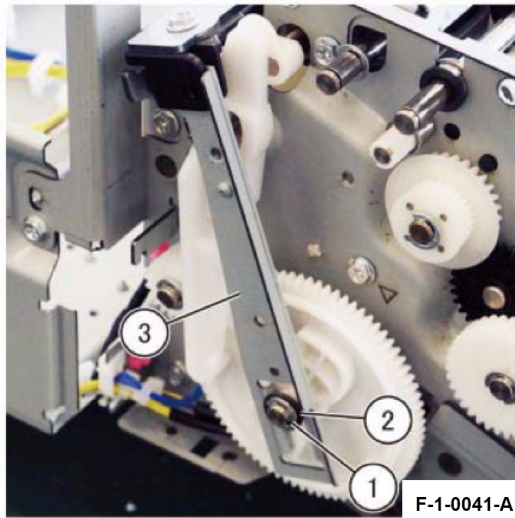
F-1-0041-A

Figure 6 Removal of the Cam Link Assembly

10. Remove the Sub Paddle Link. (Figure 7)

    a. Remove the E-Clip.

    b. Remove the spring.

    c. Remove the Sub Paddle Link.
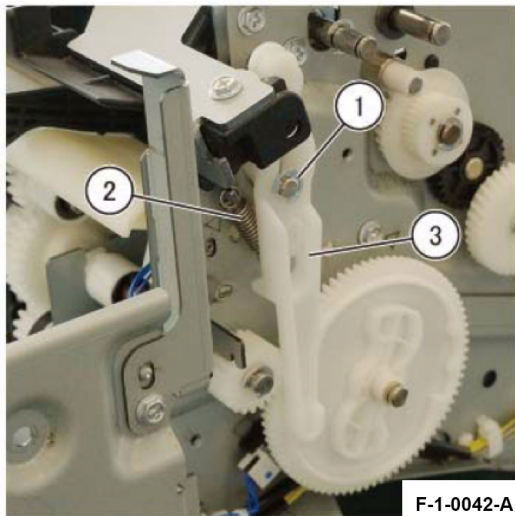
F-1-0042-A

Figure 7 Removal of the Sub Paddle Link

11. Remove the Sub Shaft Link. (Figure 8)

    a. Remove the Sub Shaft Link.
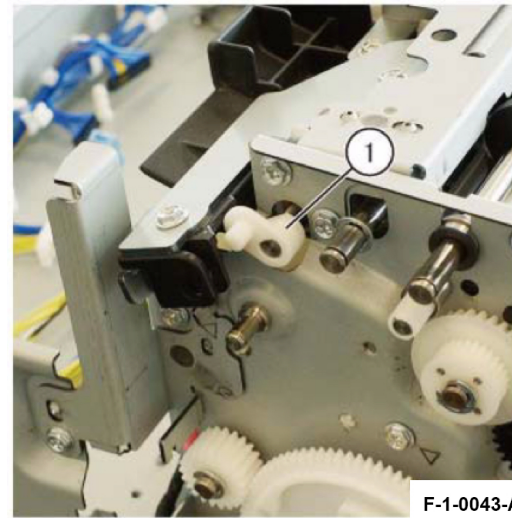
F-1-0043-A

Figure 8 Removal of the Sub Shaft Link

12. Remove the Front Interlock Bracket. (REP 1.5)

13. Remove the bearing. (Figure 9)

    a. Remove the E-Clip.

    b. Remove the KL-Clip.

    c. Remove the washer.

    d. Remove the bearing.
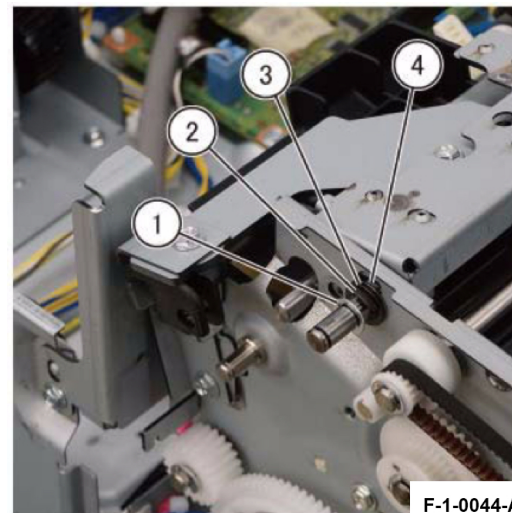
F-1-0044-A

Figure 9 Removal of the Bearing

14. Remove the Upper Eject Plate Assembly. (Figure 10)

a. Remove the screws (x4).

b. Remove the Upper Eject Plate Assembly.
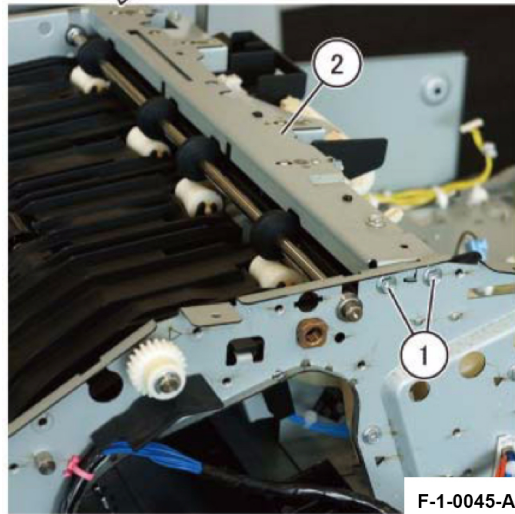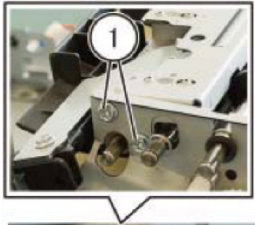
F-1-0045-A

Figure 10 Removal of the Upper Eject Plate Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 4.2 Low Eject Clamp Assembly
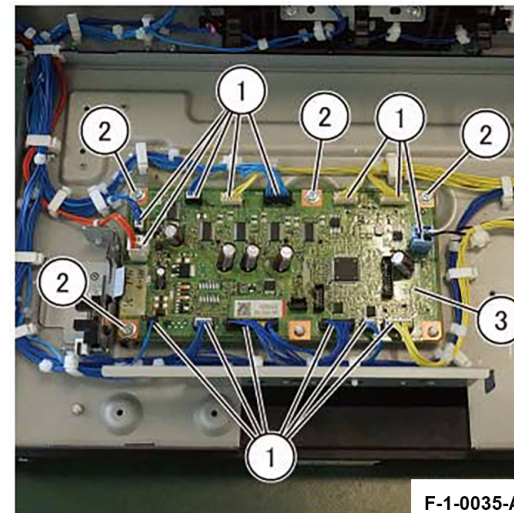Parts List on PL 70.4

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)

2. Remove the Rear Cover. (REP 1.2)

3. Remove the Top LH Cover. (REP 1.3)

4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)

5. Remove the Base Tray Assembly. (REP 2.1)

6. Remove the Stacker Base Tray. (REP 2.2)

7. Remove the Upper Chute. (REP 7.1)

8. Remove the Upper Eject Plate Assembly. (REP 4.1)

9. Remove the Compile Exit Roll Assembly. (REP 7.2)

10. Remove the Lower Chute Assembly. (REP 8.1)

11. Remove the Front Interlock Bracket. (REP 1.5)

12. Remove the Compile Tray Assembly. (REP 10.1)

13. Disconnect the connector. (Figure 1)

a. Release the clamp (x3) and remove the wire.

b. Remove the Push Tie.

c. Disconnect the connector (x4).
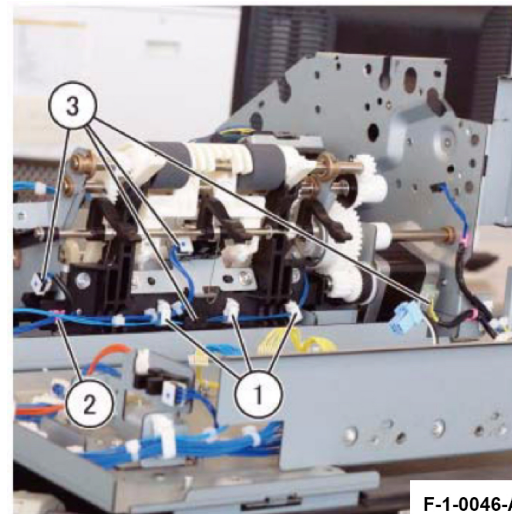
F-1-0046-A

Figure 1 Disconnection of the Connector

14. Remove the Eject Clamp Cam. (Figure 2)

    a. Remove the Eject Clamp Cam.
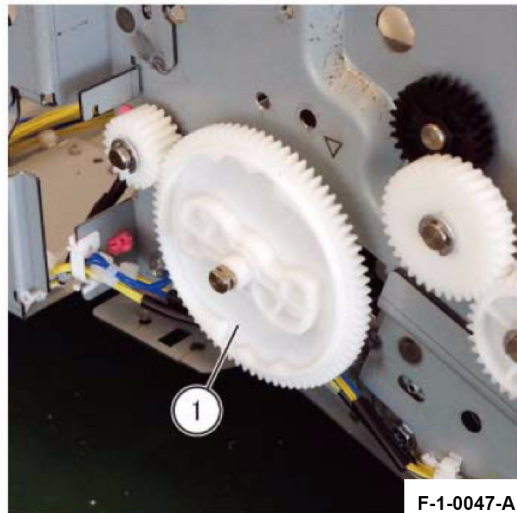
F-1-0047-A

Figure 2 Removal of the Eject Clamp Cam

15. Remove the Cam Clutch Gear (Z21). (Figure 3)

    a. Remove the E-Clip.

    b. Remove the Cam Clutch Gear (Z21).
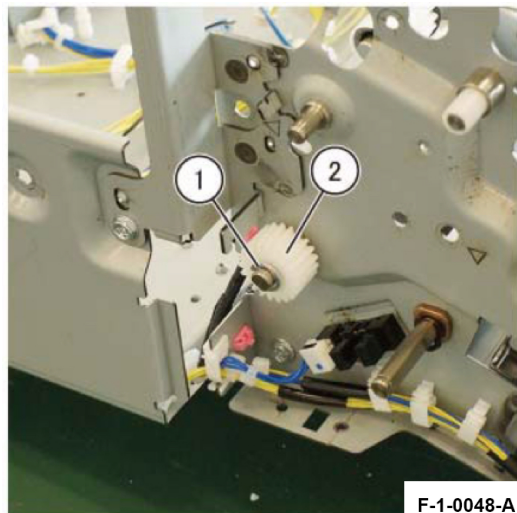
F-1-0048-A

Figure 3 Removal of the Cam Clutch Gear (Z21)

16. Remove the bearing. (Figure 4)

    a. Remove the KL-Clip.

    b. Remove the bearing (x2).
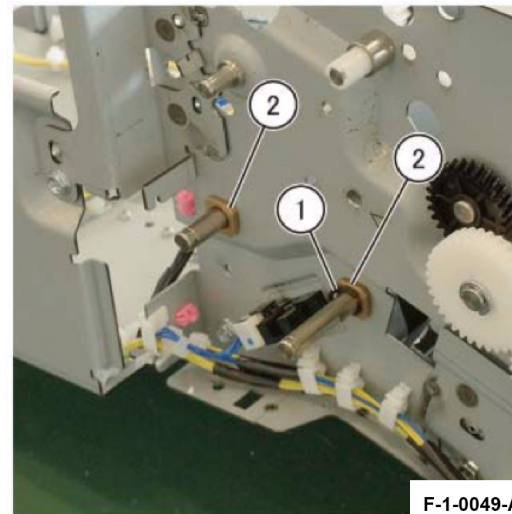
F-1-0049-A

Figure 4 Removal of the Bearing

17. Remove the Low Eject Clamp Assembly. (Figure 5)

    a. Remove the screw (x4).

    b. Remove the Low Eject Clamp Assembly.
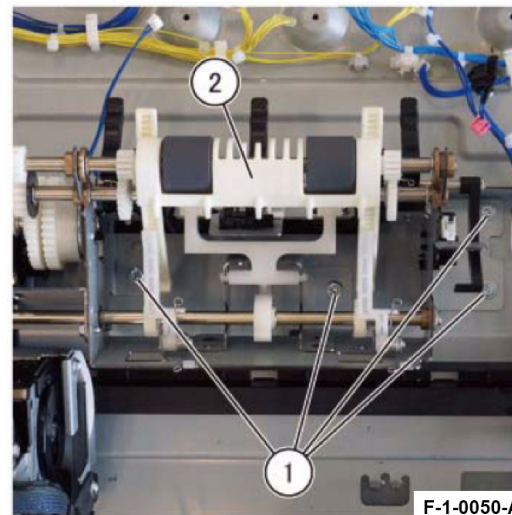
F-1-0050-A

Figure 5 Removal of the Low Eject Clamp Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 4.3 Set Clamp Shaft Assembly 2
Parts List on PL 70.4

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)
5. Remove the Base Tray Assembly. (REP 2.1)
6. Remove the Stacker Base Tray. (REP 2.2)
7. Remove the Upper Chute. (REP 7.1)
8. Remove the Upper Eject Plate Assembly. (REP 4.1)
9. Remove the Compile Exit Roll Assembly. (REP 7.2)
10. Remove the Lower Chute Assembly. (REP 8.1)
11. Remove the Front Interlock Bracket. (REP 1.5)
12. Remove the Compile Tray Assembly. (REP 10.1)
13. Remove the Low Eject Clamp Assembly. (REP 4.2)
14. Remove the Set Clamp Shaft Assembly 2 from the Low Eject Clamp Assembly. (Figure 1)

   a. Remove the E-Clip.

   b. Remove the Set Clamp Shaft Assembly 2.

F-1-0051-A

Figure 1 Removal of the Set Clamp Shaft Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 4.4 Eject Cam Clutch
Parts List on PL 70.4

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)
5. Remove the Base Tray Assembly. (REP 2.1)
6. Remove the Stacker Base Tray. (REP 2.2)
7. Remove the Upper Chute. (REP 7.1)
8. Remove the Upper Eject Plate Assembly. (REP 4.1)
9. Remove the Compile Exit Roll Assembly. (REP 7.2)
10. Remove the Lower Chute Assembly. (REP 8.1)
11. Remove the Front Interlock Bracket. (REP 1.5)
12. Remove the Compile Tray Assembly. (REP 10.1)
13. Remove the Low Eject Clamp Assembly. (REP 4.2)
14. Remove the Set Clamp Shaft Assembly 2. (REP 4.3)
15. Remove the Eject Cam Clutch from the Low Eject Clamp Assembly. Figure 1

    a. Remove the E-Clip.
    b. Remove the Eject Cam Clutch.

F-1-0052-A
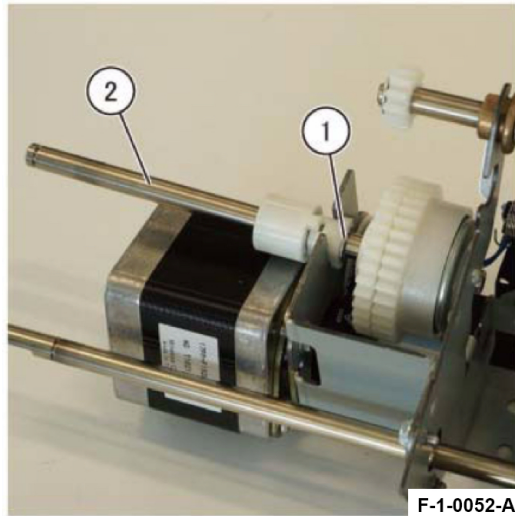
Figure 1 Removal of the Eject Cam Clutch

Replacement

1. To install, carry out the removal steps in reverse order.

REP 5.1 Roll Assembly

Parts List on PL 70.5

Removal

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)
5. Remove the Base Tray Assembly. (REP 2.1)
6. Remove the Stacker Base Tray. (REP 2.2)
7. Remove the Upper Chute. (REP 7.1)
8. Remove the Upper Eject Plate Assembly. (REP 4.1)
9. Remove the Compile Exit Roll Assembly. (REP 7.2)
10. Remove the Lower Chute Assembly. (REP 8.1)
11. Remove the Front Interlock Bracket. (REP 1.5)
12. Remove the Compile Tray Assembly. (REP 10.1)
13. Remove the Low Eject Clamp Assembly. (REP 4.2)
14. Remove the Set Clamp Shaft Assembly 2. (REP 4.3)
15. Remove the Paper Eject Guide and Paper Guide Arm from the Low Eject Clamp Assembly. Figure 1

   a. Remove the Paper Eject Guide and Paper Guide Arm in the direction of the arrow.
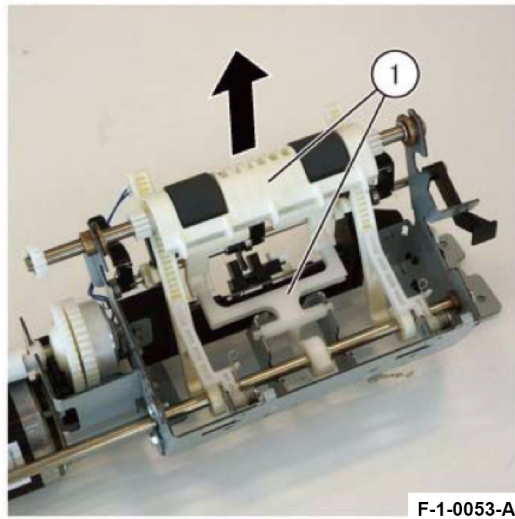
F-1-0053-A

Figure 1 Removal of the Paper Eject Guide and Paper Guide Arm

16. Loosen the Roll Assembly. Figure 2

   a. Remove the E-Clip (x2).

   b. Move the bearing (x2) towards the inner side.

   c. Loosen the Roll Assembly.
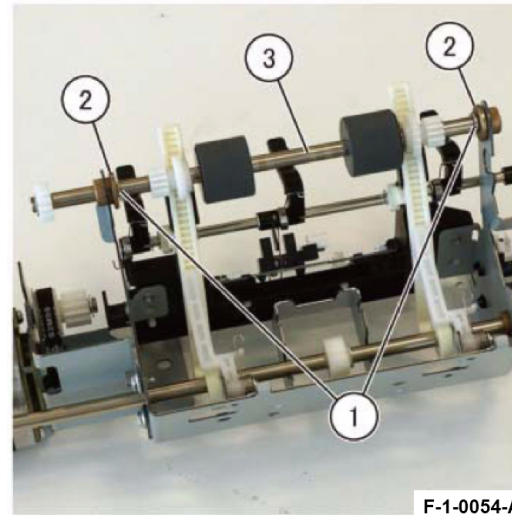
F-1-0054-A

Figure 2 Loosening of the Roll Assembly

17. Remove the Roll Assembly. Figure 3

   a. Remove the Shelf Guide (x2) in the direction of the arrow.

   b. Remove the Roll Assembly.
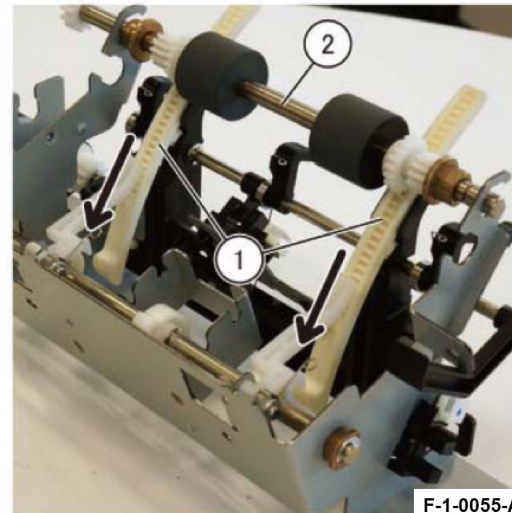
F-1-0055-A

Figure 3 Removal of the Roll Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

Note: When installing, be careful to take note of the position of the protrusions at the back of the Shelf Guides such that there is no phase misalignment between the 2 Shelf Guides.

REP 5.2 Eject Motor Bracket Assembly
Parts List on PL 70.5

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)
5. Remove the Base Tray Assembly. (REP 2.1)
6. Remove the Stacker Base Tray. (REP 2.2)
7. Remove the Upper Chute. (REP 7.1)
8. Remove the Upper Eject Plate Assembly. (REP 4.1)
9. Remove the Compile Exit Roll Assembly. (REP 7.2)
10. Remove the Lower Chute Assembly. (REP 8.1)
11. Remove the Front Interlock Bracket. (REP 1.5)
12. Remove the Compile Tray Assembly. (REP 10.1)
13. Remove the Low Eject Clamp Assembly. (REP 4.2)
14. Remove the Set Clamp Shaft Assembly 2. (REP 4.3)
15. Remove the Eject Cam Clutch. (REP 4.4)
16. Remove the Eject Motor Bracket Assembly from the Low Eject Clamp Assembly. Figure 1

    a. Remove the screw (x3).
    b. Remove the Eject Motor Bracket Assembly.

F-1-0056-A

Figure 1 Removal of the Eject Motor Bracket Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 6.1 Sub Paddle
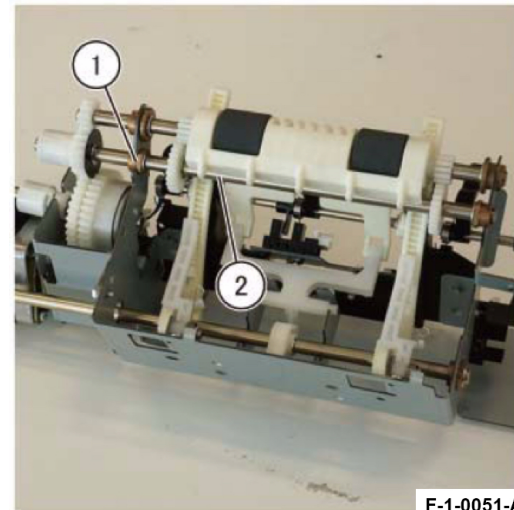
Parts List on PL 70.6

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)
5. Remove the Upper Eject Plate Assembly. (REP 4.1)
6. Remove the Eject Cover from the Upper Eject Plate Assembly. Figure 1

    a. Remove the Tapping Screw (x3).

    b. Remove the Eject Cover.

F-1-0057-A
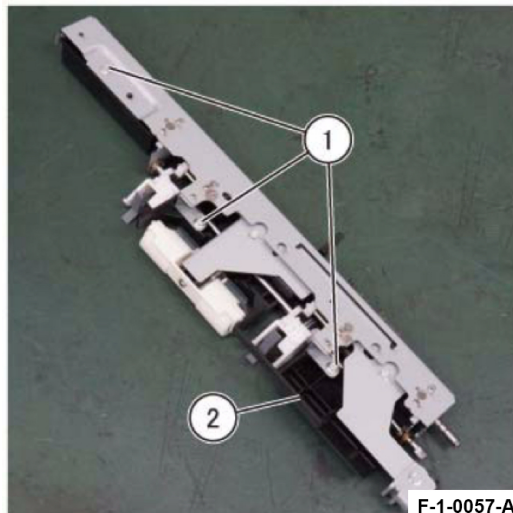
Figure 1 Removal of the Eject Cover

7. Remove the Sub Paddle Arm Shaft from the Tie Eject Plate Assembly. Figure 2

    a. Remove the E-Clip (x2).

    b. Remove the Sub Paddle Arm Shaft.

F-1-0058-A
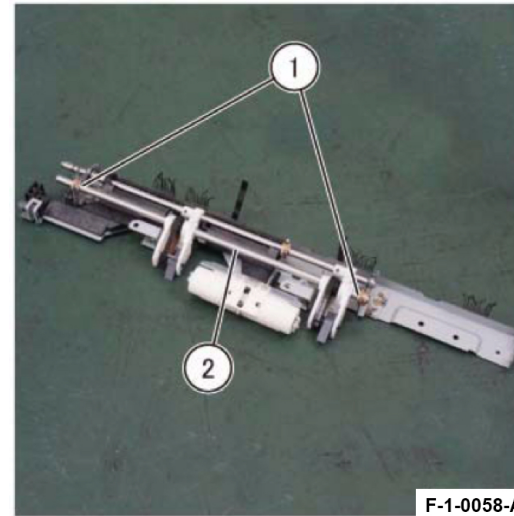
Figure 2 Removal of the Sub Paddle Arm Shaft

8. Remove the Sub Paddle from the Sub Paddle Arm Shaft. Figure 3

    a. Remove the bearing (x2).

    b. Remove the E-Clip (x2).

    c. Remove the Sub Paddle Arm (x2) and Sub Paddle Arm 2 (x2).

    d. Remove the Sub Paddle (x2).

F-1-0059-A
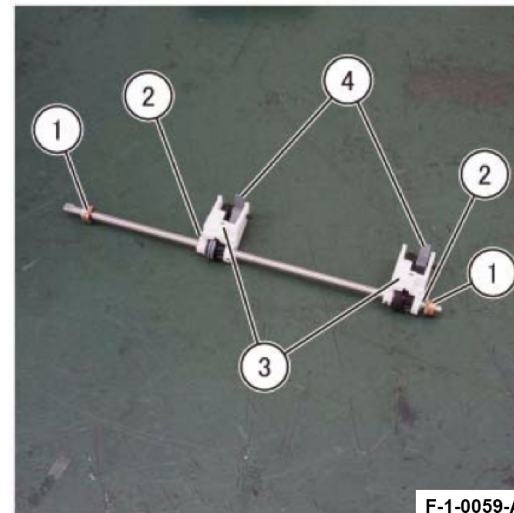
Figure 3 Removal of the Sub Paddle

Replacement

1. To install, carry out the removal steps in reverse order.

Note: Perform the installation such that there is no phase misalignment between the 2 Sub Paddles.

REP 7.1 Upper Chute

Parts List on PL 70.7

Removal

1. Remove the Front Cover Assembly. (REP 1.1)

2. Remove the Rear Cover. (REP 1.2)

3. Remove the Top LH Cover. (REP 1.3)

4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)

5. Remove the Rear Ground Bracket Assembly. Figure 1

   a. Remove the screw.

   b. Remove the Rear Ground Bracket Assembly.
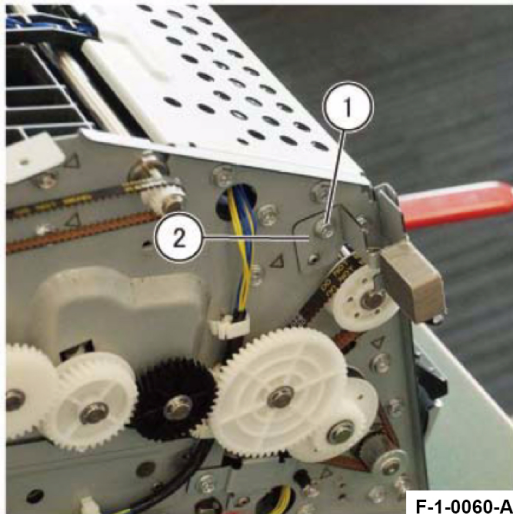
F-1-0060-A

Figure 1 Removal of the Rear Ground Bracket Assembly

6. Remove the Tension Belt Bracket Assembly. Figure 2

   a. Remove the screw.

   b. Remove the Tension Spring.

   c. Remove the Tension Belt Bracket Assembly.
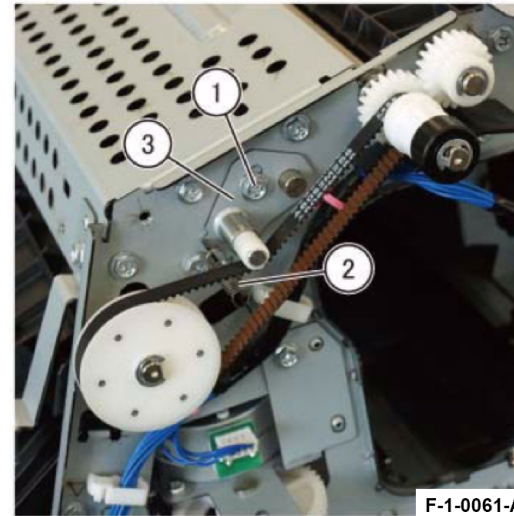
F-1-0061-A

Figure 2 Removal of the Tension Belt Bracket Assembly

7. Remove the No.1 Roll Pulley (T55). Figure 3

   a. Remove the Belt from the Pulley.

   b. Remove the E-Clip.

   c. Remove the No.1 Roll Pulley (T55).
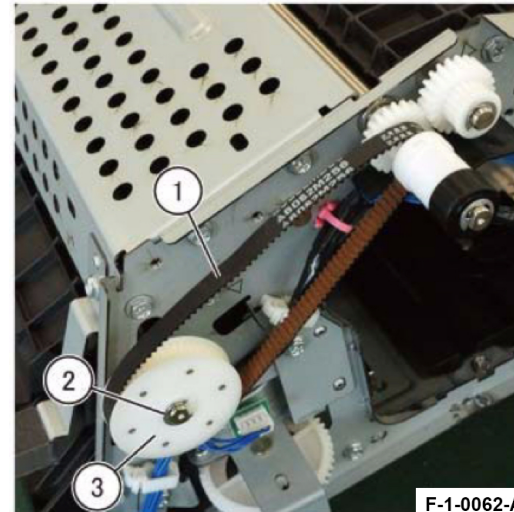
F-1-0062-A

Figure 3 Removal of the No.1 Roll Pulley (T55)

8. Remove the Upper Tie Plate. Figure 4

   a. Remove the screw (x6).

   b. Remove the Upper Tie Plate.
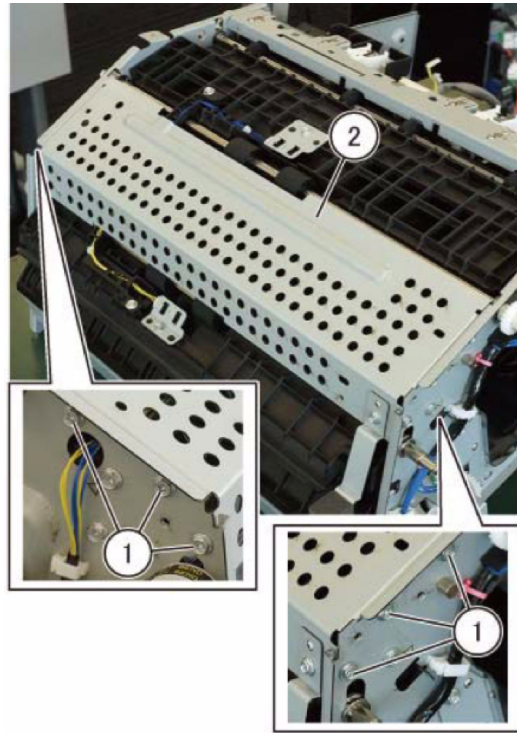
F-1-0063-A

Figure 4 Removal of the Upper Tie Plate

9. Remove the In Sensor Bracket. Figure 5

    a. Remove the Tapping Screw.

    b. Disconnect the connector.

    c. Remove the In Sensor Bracket.
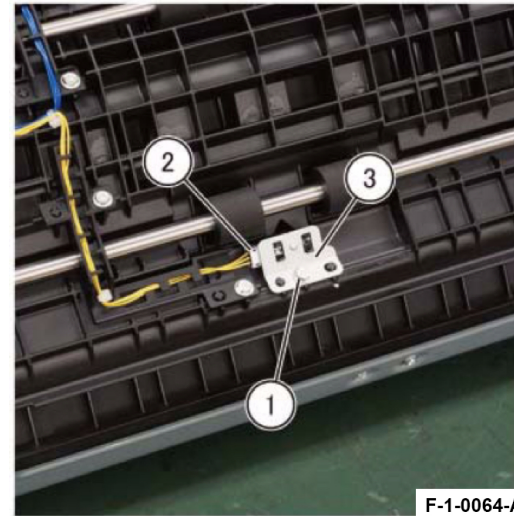
F-1-0064-A

Figure 5 Removal of the In Sensor Bracket

10. Remove the Lower Export Harness Support. Figure 6

    a. Release the wire from the hook.

    b. Remove the Tapping Screw (x2).

    c. Remove the Lower Export Harness Support.
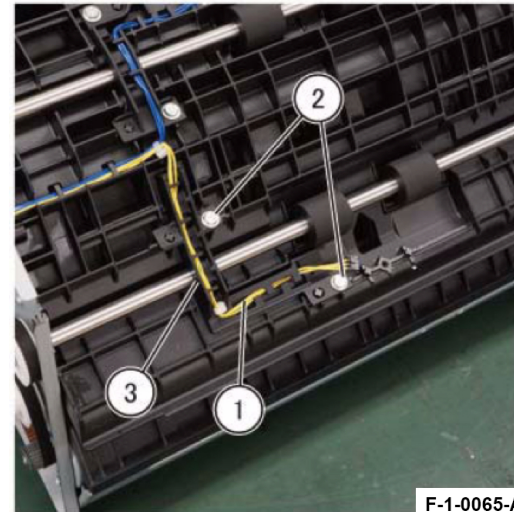
F-1-0065-A

Figure 6 Removal of the Lower Export Harness Support

11. Remove the Out Sensor Bracket. Figure 7

    a. Remove the Tapping Screw.

    b. Disconnect the connector.

c. Remove the Out Sensor Bracket.
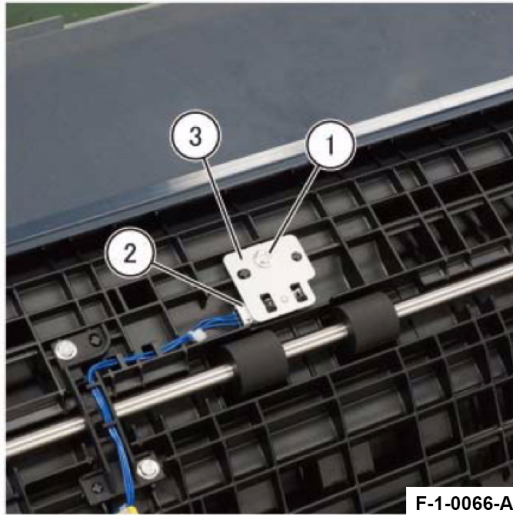
F-1-0066-A

Figure 7 Removal of the Out Sensor Bracket

12. Remove the Upper Export Harness Support. Figure 8

a. Release the wire from the hook.

b. Remove the Tapping Screw (x2).

c. Remove the Upper Export Harness Support.
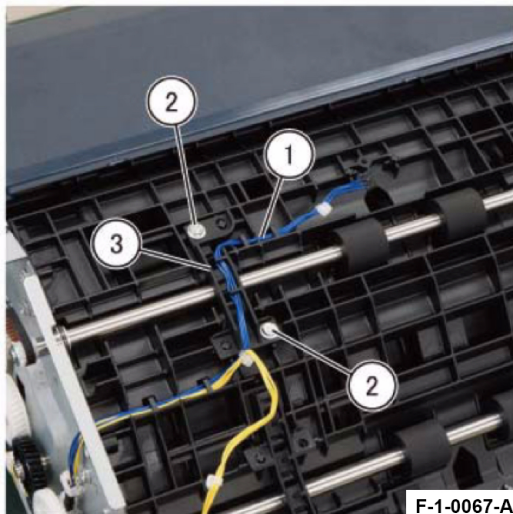
F-1-0067-A

Figure 8 Removal of the Upper Export Harness Support

13. Remove the Motor Idler Gear 2 (Z55L/T17), No.1 Rear Roll Pulley (T40), and Belt. Figure 9

a. Remove the E-Clip (x2).

b. Remove the Motor Idler Gear 2 (Z55L/T17), No.1 Rear Roll Pulley (T40), and Belt at the same time.
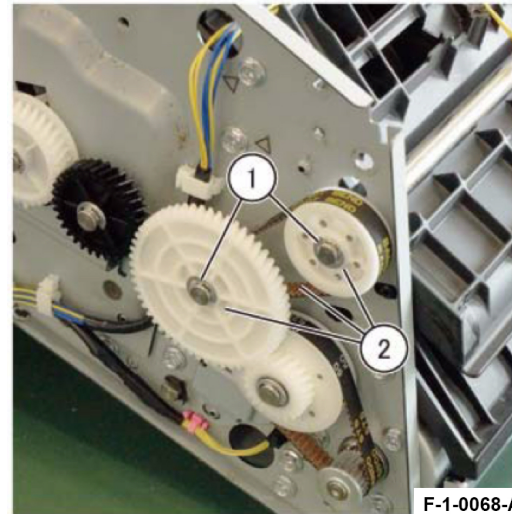
F-1-0068-A

Figure 9 Removal of the Motor Idler Gear 2 (Z55L/T17), No.1 Rear Roll Pulley (T40), and Belt

14. Remove the Transport Roll No.1 Assembly. Figure 10

a. Remove the E-Clip at the front.

b. Move the bearing in the direction of the arrow.

c. Remove the Transport Roll No.1 Assembly.
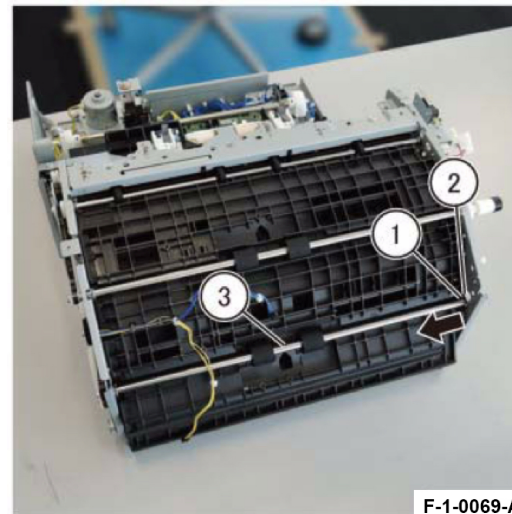
F-1-0069-A

Figure 10 Removal of the Transport Roll No.1 Assembly

15. Remove the Oneway Pulley (T16) Assembly, Main Idler Pulley, and Belt. Figure 11

a. Remove the E-Clip (x2).

b. Remove the Oneway Pulley (T16) Assembly, Main Idler Pulley, and Belt at the same time.

F-1-0070-A
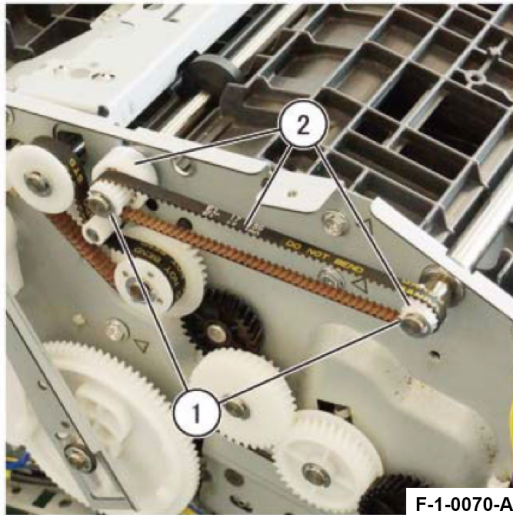
Figure 11 Removal of the Oneway Pulley (T16) Assembly, Main Idler Pulley, and Belt

16. Remove the Clutch Gear (Z22). Figure 12

a. Remove the E-Clip.

b. Remove the Clutch Gear (Z22).

F-1-0071-A
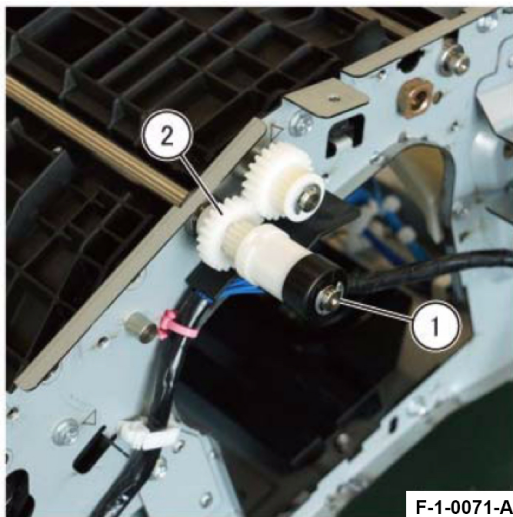
Figure 12 Removal of the Clutch Gear (Z22)

17. Remove the Transport Roll No.2 Assembly. Figure 13

a. Remove the E-Clip at the front.

b. Move the bearing in the direction of the arrow.

c. Remove the Transport Roll No.2 Assembly.

F-1-0072-A
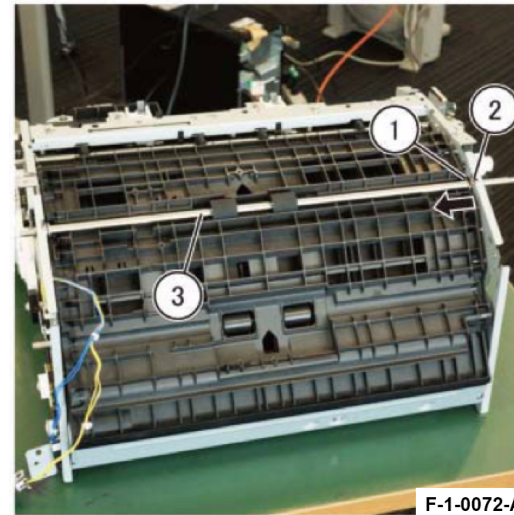
Figure 13 Removal of the Transport Roll No.2 Assembly

18. Remove the Upper Chute. Figure 14

a. Remove the screw (x2).

b. Remove the Tapping Screw (x2).

c. Remove the Upper Chute.
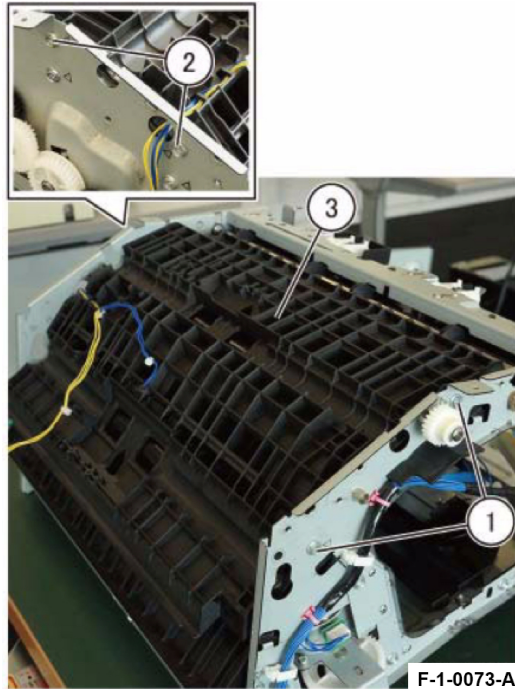
F-1-0073-A

Figure 14 Removal of the Upper Chute

Replacement

1. To install, carry out the removal steps in reverse order.

REP 7.2 Compile Exit Roll Assembly
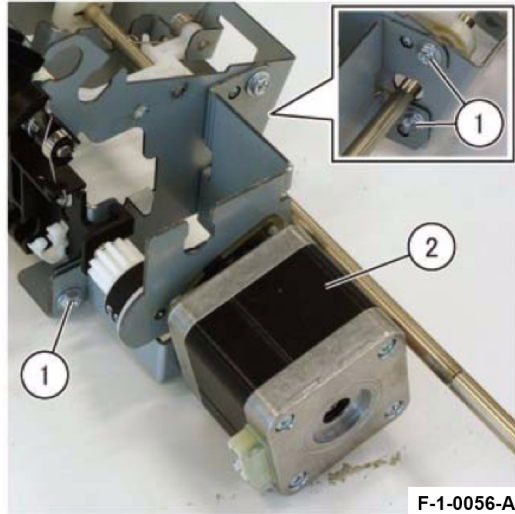Parts List on PL 70.7

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)
5. Remove the Upper Chute. (REP 7.1)
6. Remove the Upper Eject Plate Assembly. (REP 4.1)
7. Remove the Compile Exit Roll Assembly. Figure 1

    a. Remove the E-Clip.

    b. Remove the Compile Exit Roll Assembly.

F-1-0074-A

Figure 1 Removal of the Compile Exit Roll Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 8.1 Lower Chute Assembly
Parts List on PL 70.8

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)
5. Remove the Upper Chute. (REP 7.1)
6. Remove the Upper Eject Plate Assembly. (REP 4.1)
7. Remove the Compile Exit Roll Assembly. (REP 7.2)
8. Remove the Main Paddle Gear (Z29/T28) Assembly. Figure 1

    a. Remove the E-Clip.
    b. Remove the Main Paddle Gear (Z29/T28) Assembly.

F-1-0075-A
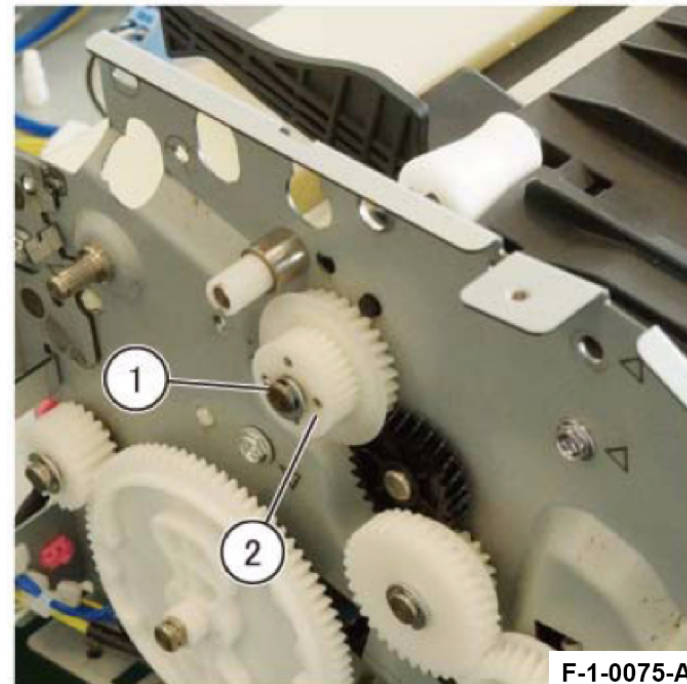
Figure 1 Removal of the Main Paddle Gear (Z29/T28) Assembly.

9. Remove the Lower Chute Assembly. Figure 2

    a. Remove the screw (x2).

    b. Remove the Tapping Screw (x3).

    c. Remove the Lower Chute Assembly.

F-1-0076-A
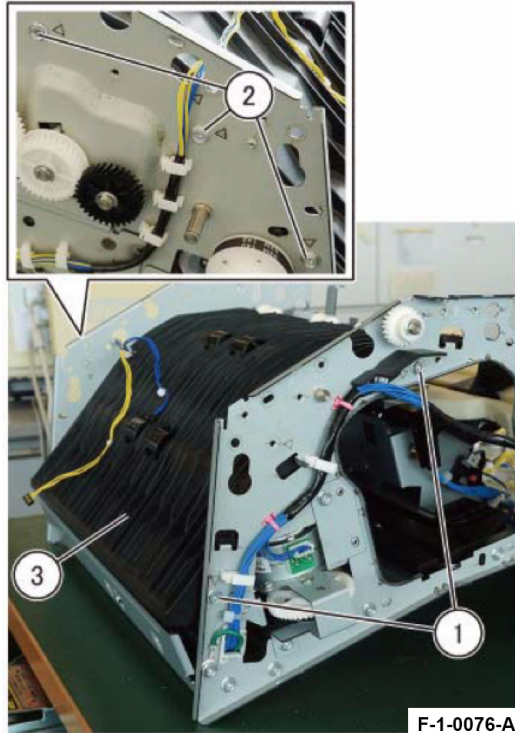
Figure 2 Removal of the Lower Chute Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 8.2 Main Sub Paddle Assembly
Parts List on PL 70.8

Removal

⚠️   **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

    Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)
5. Remove the Upper Chute. (REP 7.1)
6. Remove the Upper Eject Plate Assembly. (REP 4.1)
7. Remove the Compile Exit Roll Assembly. (REP 7.2)
8. Remove the Lower Chute Assembly. (REP 8.1)
9. Remove the Main Sub Paddle Assembly from the Lower Chute Assembly. Figure 1

    a. Remove the E-Clip (x2).

    b. Remove the bearing.

    c. Remove the Main Sub Paddle Assembly in the direction of the arrow.

F-1-0077-A
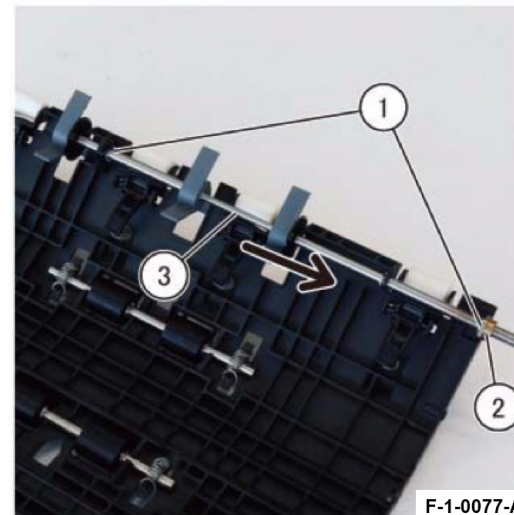
Figure 1 Removal of the Main Sub Paddle Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 8.3 Finisher Transport Motor
Parts List on PL 70.8

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)
5. Remove the Upper Chute. (REP 7.1)
6. Remove the Upper Eject Plate Assembly. (REP 4.1)
7. Remove the Compile Exit Roll Assembly. (REP 7.2)
8. Remove the Lower Chute Assembly. (REP 8.1)
9. Remove the Finisher Transport Motor. Figure 1

    a. Disconnect the connector.

    b. Remove the screw (x3).

    c. Remove the Finisher Transport Motor and Belt.

F-1-0078-A
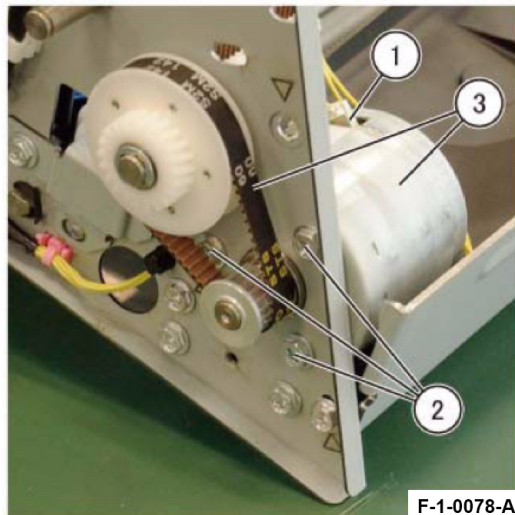
Figure 1 Removal of the Finisher Transport Motor

Replacement

1. To install, carry out the removal steps in reverse order.

REP 8.4 Motor Idler Gear 1 (Z21R/T52) Assembly
Parts List on PL 70.8

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)
5. Remove the Upper Chute. (REP 7.1)
6. Remove the Upper Eject Plate Assembly. (REP 4.1)
7. Remove the Compile Exit Roll Assembly. (REP 7.2)
8. Remove the Lower Chute Assembly. (REP 8.1)
9. Remove the Finisher Transport Motor. (REP 8.3)
10. Remove the Motor Idler Gear 1 (Z21R/T52) Assembly. Figure 1

    a. Remove the E-Clip.

    b. Remove the washer.

    c. Remove the Motor Idler Gear 1 (Z21R/T52) Assembly.

F-1-0079-A
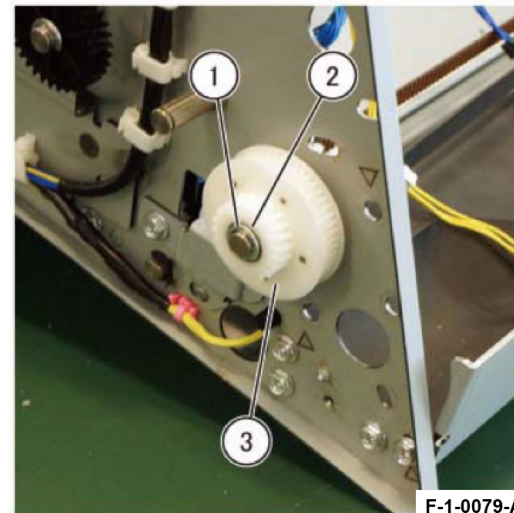
Figure 1 Removal of the Motor Idler Gear 1 (Z21R/T52) Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

REP 9.1 Staple Drive Bracket Assembly
Parts List on PL 70.9

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)
5. Remove the Upper Chute. (REP 7.1)
6. Remove the Upper Eject Plate Assembly. (REP 4.1)
7. Remove the Compile Exit Roll Assembly. (REP 7.2)
8. Remove the Lower Chute Assembly. (REP 8.1)
9. Remove the Finisher Transport Motor. (REP 8.3)
10. Remove the Motor Idler Gear 1 (Z21R/T52) Assembly. (REP 8.4)
11. Remove the Tension Bracket 2. Figure 1

   a. Remove the screw.

   b. Remove the Tension Bracket 2.
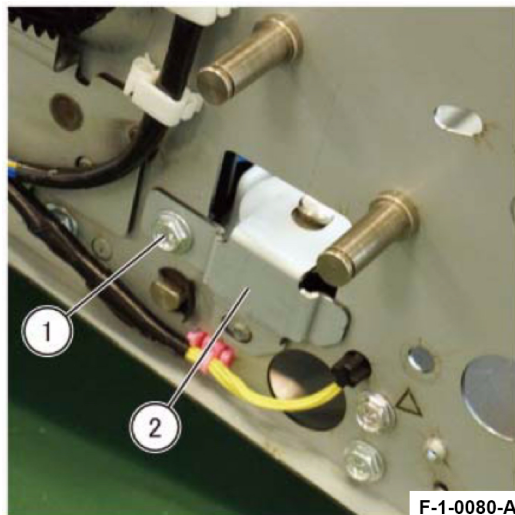
F-1-0080-A

Figure 1 Removal of the Tension Bracket 2

12. Remove the Staple Harness Guide 3. Figure 2

   a. Remove the Tapping Screw (x3).

   b. Remove the Staple Harness Guide 3.
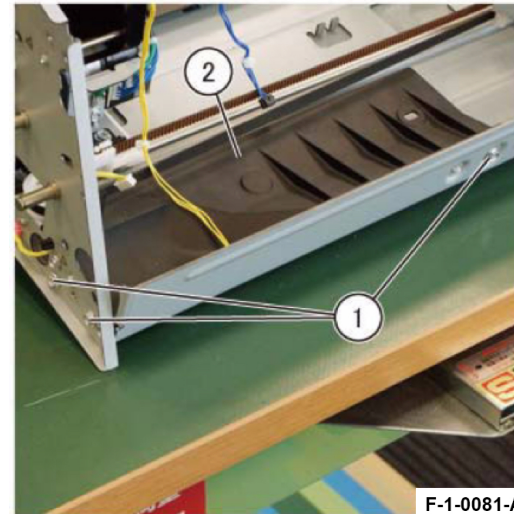
F-1-0081-A

Figure 2 Removal of the Staple Harness Guide 3

Note: When removing the Staple Harness Guide 3, be careful so as not to damage the harness. Figure 3

F-1-0082-A

Figure 3 Removal of the Staple Harness Guide 3

13. Remove the Pulley (T33/S2M). Figure 4

   a. Loosen the screw.

   b. Rotate the Tension Belt Bracket Assembly in the direction of the arrow.

   c. Remove the Belt from the Bracket.

d. Remove the Pulley (T33/S2M) together with the Belt.
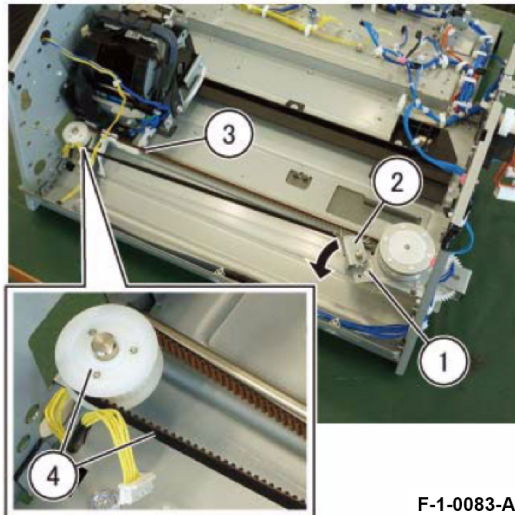
F-1-0083-A

Figure 4 Removal of the Pulley (T33/S2M)

14. Remove the Staple Drive Bracket Assembly. Figure 5

    a. Remove the screw.

    b. Remove the Push Tie.

    c. Disconnect the connector.

    d. Remove the screw (x3).

    e. Remove the Staple Drive Bracket Assembly.
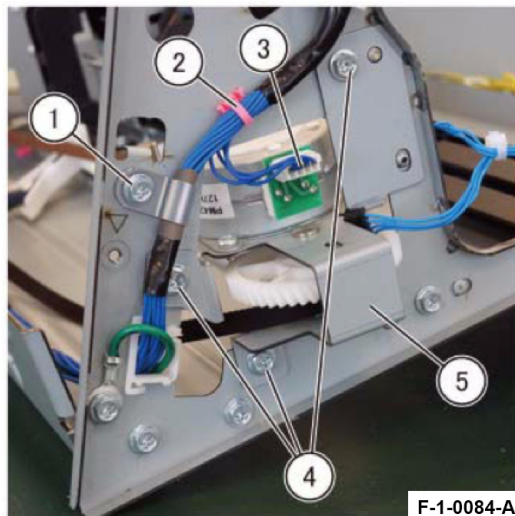
F-1-0084-A

Figure 5 Removal of the Staple Drive Bracket Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

> **Note:** When installing the Staple Harness Guide 3, make sure that the harness goes through the slit of Staple Harness Guide 3. Figure 6

F-1-0085-A

Figure 6 Installation of the Staple Harness Guide 3

REP 9.2 Staple Assembly

Parts List on PL 70.9

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)

2. Disconnect the connector. Figure 1

   a. Remove the screw.

   b. Disconnect the connector (x2).
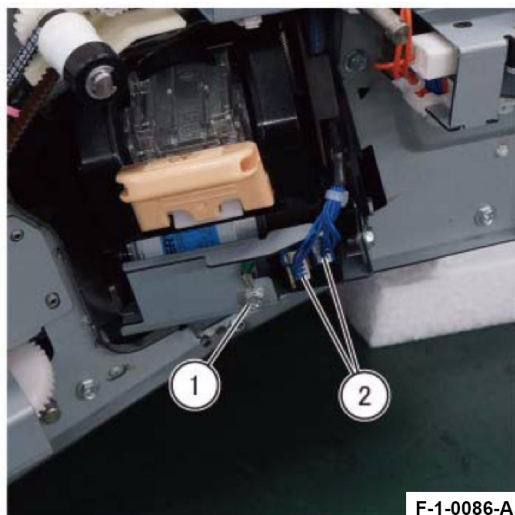
F-1-0086-A

Figure 1 Disconnect the Connector

3. Move the Staple Assembly. Figure 2

   a. Manually rotate the gear in the direction of the arrow and move the Staple Assembly to the position shown in the figure of Step 4.
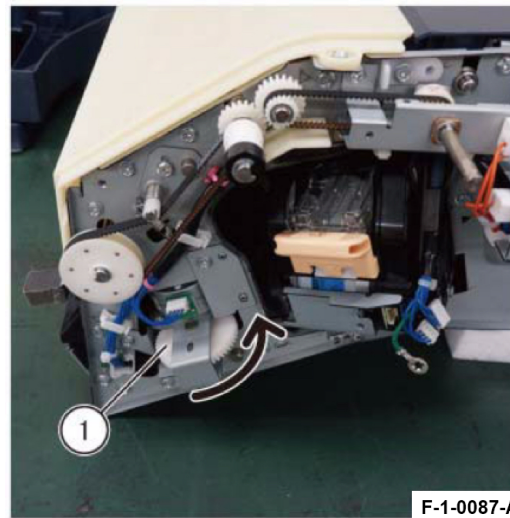
F-1-0087-A

Figure 2 Move the Staple Assembly

4. Remove the screw. Figure 3

   a. Remove the screw (x3).
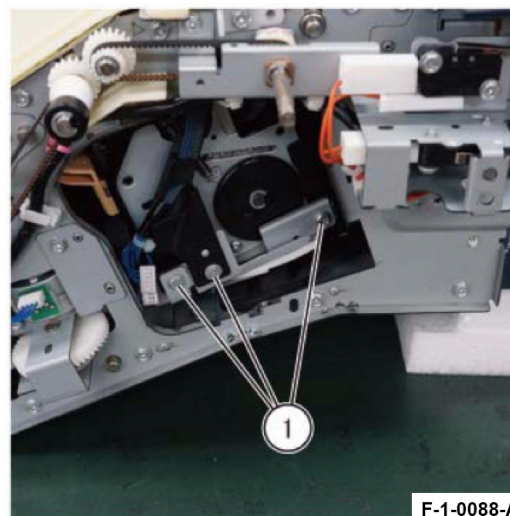
F-1-0088-A

Figure 3 Removal of the Screw

5. Move the Staple Assembly. Figure 4

   a. Manually rotate the gear in the direction of the arrow and move the Staple Assembly to the position shown in the figure of Step 6.

F-1-0089-A
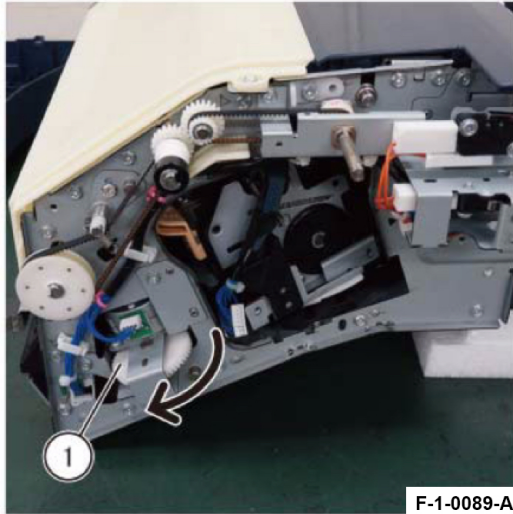
Figure 4 Move the Staple Assembly

6. Remove the Staple Assembly. Figure 5

    a. Pull out the Staple Assembly towards you and remove it.

F-1-0090-A
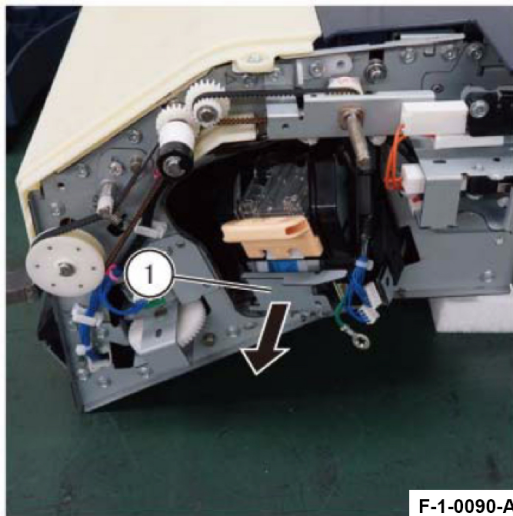
Figure 5 Removal of the Staple Assembly

7. Remove the Staple Assembly from the Holder Bracket 2. Figure 6

    a. Remove the screw (x2).

    b. Remove the Staple Assembly from the Holder Bracket 2.

F-1-0091-A
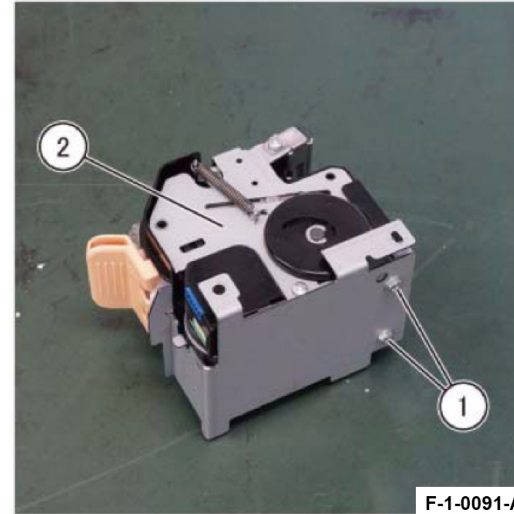
Figure 6 Removal of the Staple Assembly from the Holder Bracket 2

Replacement

1. To install, carry out the removal steps in reverse order.

REP 9.3 Stapler Assembly (Staple Move Rail)
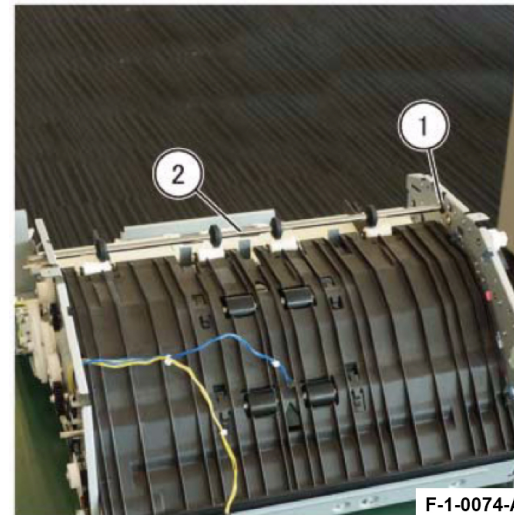Parts List on PL 70.9

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)

2. Remove the Rear Cover. (REP 1.2)

3. Remove the Top LH Cover. (REP 1.3)

4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)

5. Remove the Base Tray Assembly. (REP 2.1)

6. Remove the Stacker Base Tray. (REP 2.2)

7. Remove the Upper Chute. (REP 7.1)

8. Remove the Upper Eject Plate Assembly. (REP 4.1)

9. Remove the Compile Exit Roll Assembly. (REP 7.2)

10. Remove the Lower Chute Assembly. (REP 8.1)

11. Remove the Front Interlock Bracket. (REP 1.5)

12. Remove the Compile Tray Assembly. (REP 10.1)

13. Remove the Finisher Transport Motor. (REP 8.3)

14. Remove the Motor Idler Gear 1 (Z21R/T52) Assembly. (REP 8.4)

15. Remove the Staple Drive Bracket Assembly. (REP 9.1)

16. Remove the Staple Move Shaft. Figure 1

    a. Remove the KL-Clip.

    b. Remove the Staple Move Shaft in the direction of the arrow.
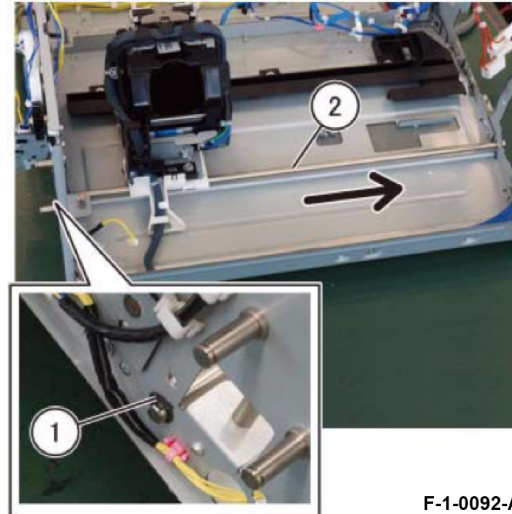
F-1-0092-A

Figure 1 Removal of the Staple Move Shaft

17. Remove the Staple Move Rail. Figure 2

    a. Remove the screw (x3).

    b. Remove the Staple Move Rail together with the Stapler in the direction of the arrow.
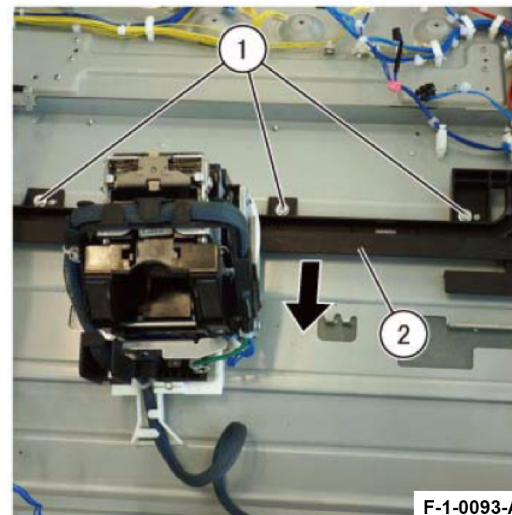
F-1-0093-A

Figure 2 Removal of the Staple Move Rail

18. Remove the Stapler from the Staple Move Rail. Figure 3

    a. Rotate the Stapler in the direction of the arrow and remove it.

F-1-0094-A
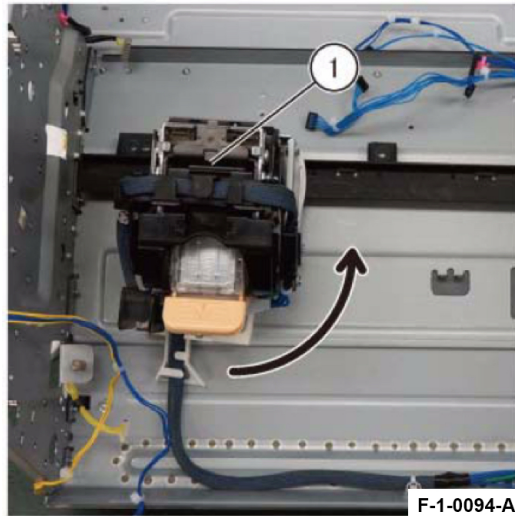
Figure 3 Removal of the Stapler from the Staple Move Rail

Replacement

1. To install, carry out the removal steps in reverse order.

REP 10.1 Compile Tray Assembly
Parts List on PL 70.10

Removal

⚠️ **WARNING:** When turning OFF the Power Switch, make sure that the [Data] lamp is not flashing. Press <Job Status> to check that there are no jobs in progress/waiting in the queue. Turn OFF the PowerSwitch, then make sure that the screen display turns OFF and that <Power Saver> is no longer flashing

Turn OFF the Main Power Switch, check that the [Main Power] lamp has turned OFF, and then unplug the Power Plug.

1. Remove the Front Cover Assembly. (REP 1.1)
2. Remove the Rear Cover. (REP 1.2)
3. Remove the Top LH Cover. (REP 1.3)
4. Remove the Top Eject Cover Sub Assembly. (REP 1.4)
5. Remove the Base Tray Assembly. (REP 2.1)
6. Remove the Stacker Base Tray. (REP 2.2)
7. Remove the Upper Chute. (REP 7.1)
8. Remove the Upper Eject Plate Assembly. (REP 4.1)
9. Remove the Compile Exit Roll Assembly. (REP 7.2)
10. Remove the Lower Chute Assembly. (REP 8.1)
11. Remove the Front Interlock Bracket. (REP 1.5)
12. Disconnect the connector at the right. Figure 1

    a. Disconnect the connector (x2).

F-1-0095-A
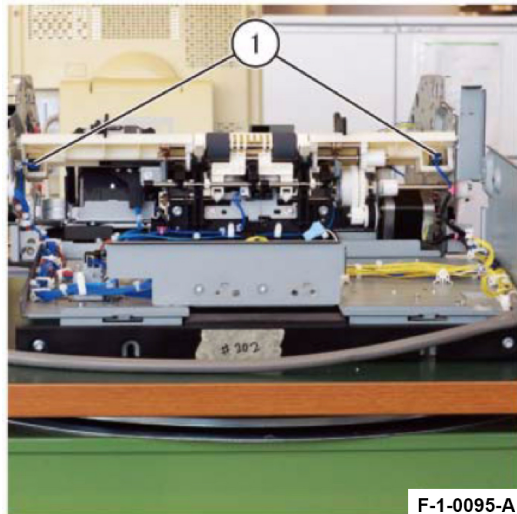
Figure 1 Disconnect the Connector

13. Lift up the Compile Tray Assembly. Figure 2

    a. Remove the screw (x3).

    b. Remove the Tapping Screw (x2).

    c. Lift the Compile Tray Assembly slightly in the direction of the arrow.

F-1-0096-A
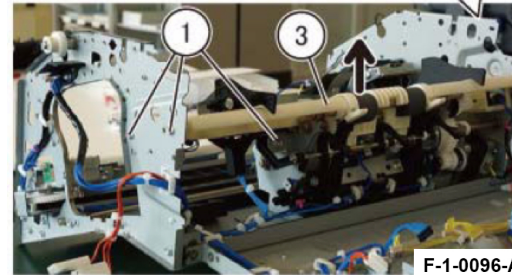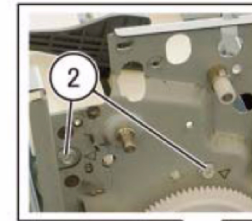
Figure 2 Lift up the Compile Tray Assembly

14. Disconnect the connector at the left and remove the Compile Tray Assembly. Figure 3

    a. Disconnect the connector (x2).

    b. Release the wire from the hook.

    c. Remove the Compile Tray Assembly.

F-1-0097-A
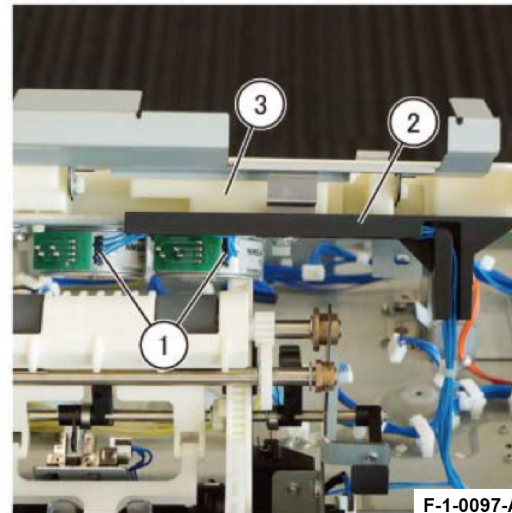
Figure 3 Removal of the Compile Tray Assembly

Replacement

1. To install, carry out the removal steps in reverse order.

5 Parts List

PL 70.1 Finisher Assembly

Item	Part	Description
1	948K10750	Front Cover Assembly (REP 1.1)
2	—	Front Cover (P/O PL 70.1 Item 1)
3	—	Stapler Label (P/O PL 70.1 Item 1)
4	—	Box Catch Magnet (P/O PL 70.1 Item 1, 14)
5	—	Cover Inner Tape (P/O PL 70.1 Item 1)
6	—	Cover Inner Pad (P/O PL 70.1 Item 1)
7	—	Front Inner Cover (P/O PL 70.1 Item 1)
8	049K45130	Front Interlock Bracket Assembly
9	—	Wire Harness (Interlock) (P/O PL 70.1 Item 8)
10	—	Finisher Top Cover Interlock Switch (P/O PL 70.1 Item 8)
11	—	Finisher Front Door Interlock Switch (P/O PL 70.1 Item 8)
12	—	Top Interlock Bracket (P/O PL 70.1 Item 8)
13	—	Front Interlock Bracket (P/O PL 70.1 Item 8) (REP 1.5)
14	948K23920	Top Eject Cover Sub Assembly (REP 1.4)
15	—	Top Eject Cover Assembly (P/O PL 70.1 Item 14)
16	—	Eject Eliminator (P/O PL 70.1 Item 14)
17	—	Magnet Bracket (P/O PL 70.1 Item 14)
18	—	Stopper Bracket (P/O PL 70.1 Item 14)
19	—	Top Cover Support (P/O PL 70.1 Item 14)
20	—	FG Spring (P/O PL 70.1 Item 14)
21	—	Rear Cover (REP 1.2)
22	—	Top LH Cover (REP 1.3)
23	—	Upper Tie Plate
24	—	Front Hinge Bracket
25	049K37110	Front Ground Bracket Assembly
26	049K37121	Rear Ground Bracket Assembly
27	—	Data Plate Label
28	—	Serial Label
29	—	Transport Assembly
30	—	IEC Eject Chute (P/O PL 70.1 Item 14)
31	—	IEC Eject Eliminator (P/O PL 70.1 Item 14)
32	—	IEC Spring (P/O PL 70.1 Item 8)
33	—	IEC Collar (P/O PL 70.1 Item 8)

0570001A
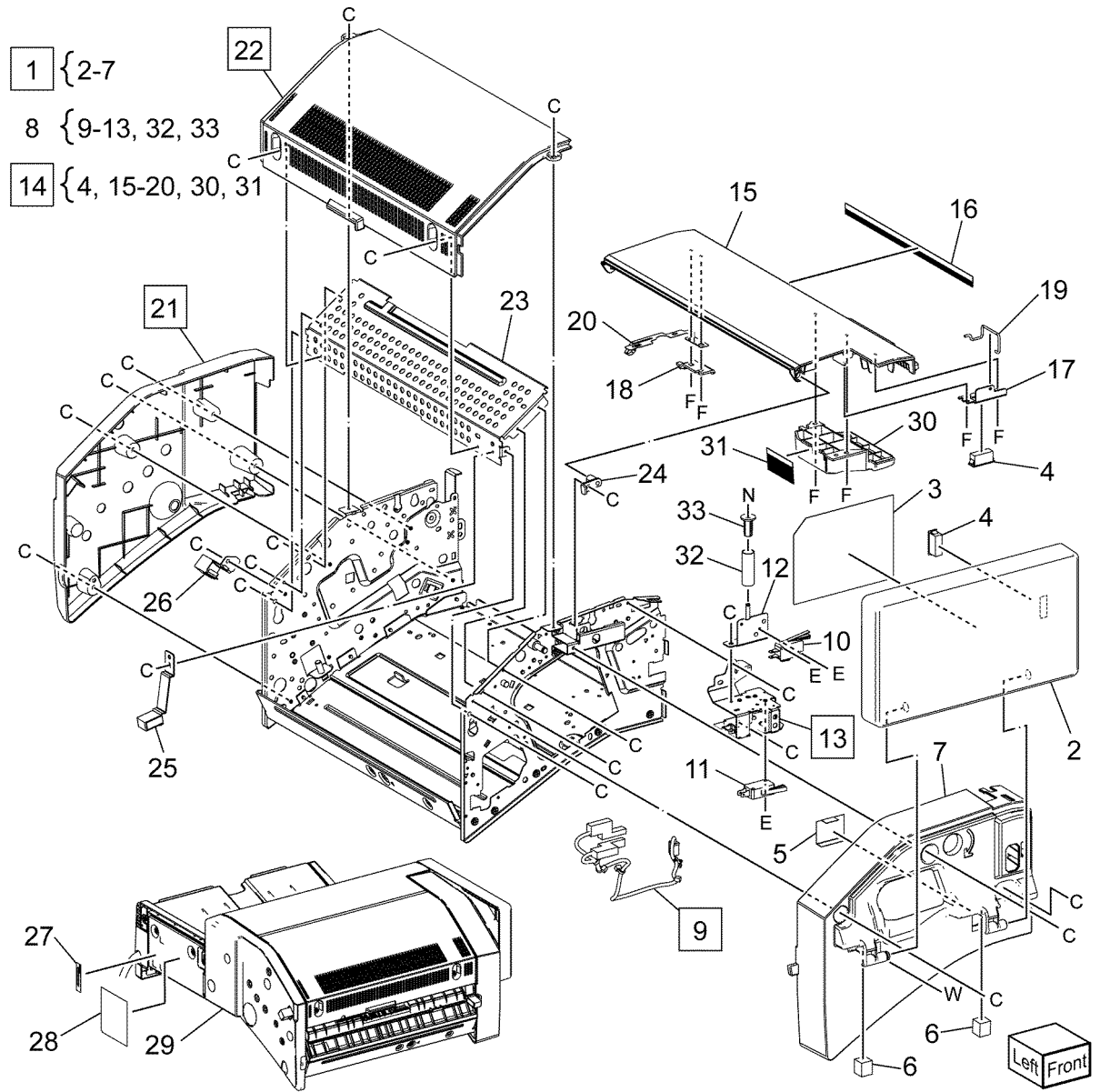
PL 70.2 Stacker Base Assembly (1 of 2)

Item	Part	Description
1	049K44580	Docking Bracket Assembly (REP 2.3)
2	—	Tray Guide Bracket
3	—	Docking Screw
4	—	Bottom Plate Assembly
5	050K78870	Base Tray Assembly (REP 2.1)
6	—	Extension Base Tray (P/O PL 70.2 Item 20)
7	—	Stacker Extension Tray (P/O PL 70.2 Item 20)
8	—	Stacker Extension Tray 2 (P/O PL 70.2 Item 20)
9	—	Stacker Cover (P/O PL 70.2 Item 20)
10	012E22851	Link C
11	—	Paper Guide (P/O PL 70.2 Item 5)
12	—	Rear Stacker Rail (P/O PL 70.2 Item 5)
13	—	Front Stacker Rail (P/O PL 70.2 Item 5)
14	—	Base Tray (P/O PL 70.2 Item 5)
15	—	Stacker Base Tray (REP 2.2)
16	—	Tray Hinge
17	—	Tray Hinge 2
18	—	Tray Stacker (Link A) (P/O PL 70.2 Item 19)
19	—	Base Tray Unit (P/O PL 70.2 Item 20)
20	050K79550	GAR SP Stacker Tray Assembly

5 { 11-14

19 { 5, 10, 18

20 { 6-9, 19

05070002A
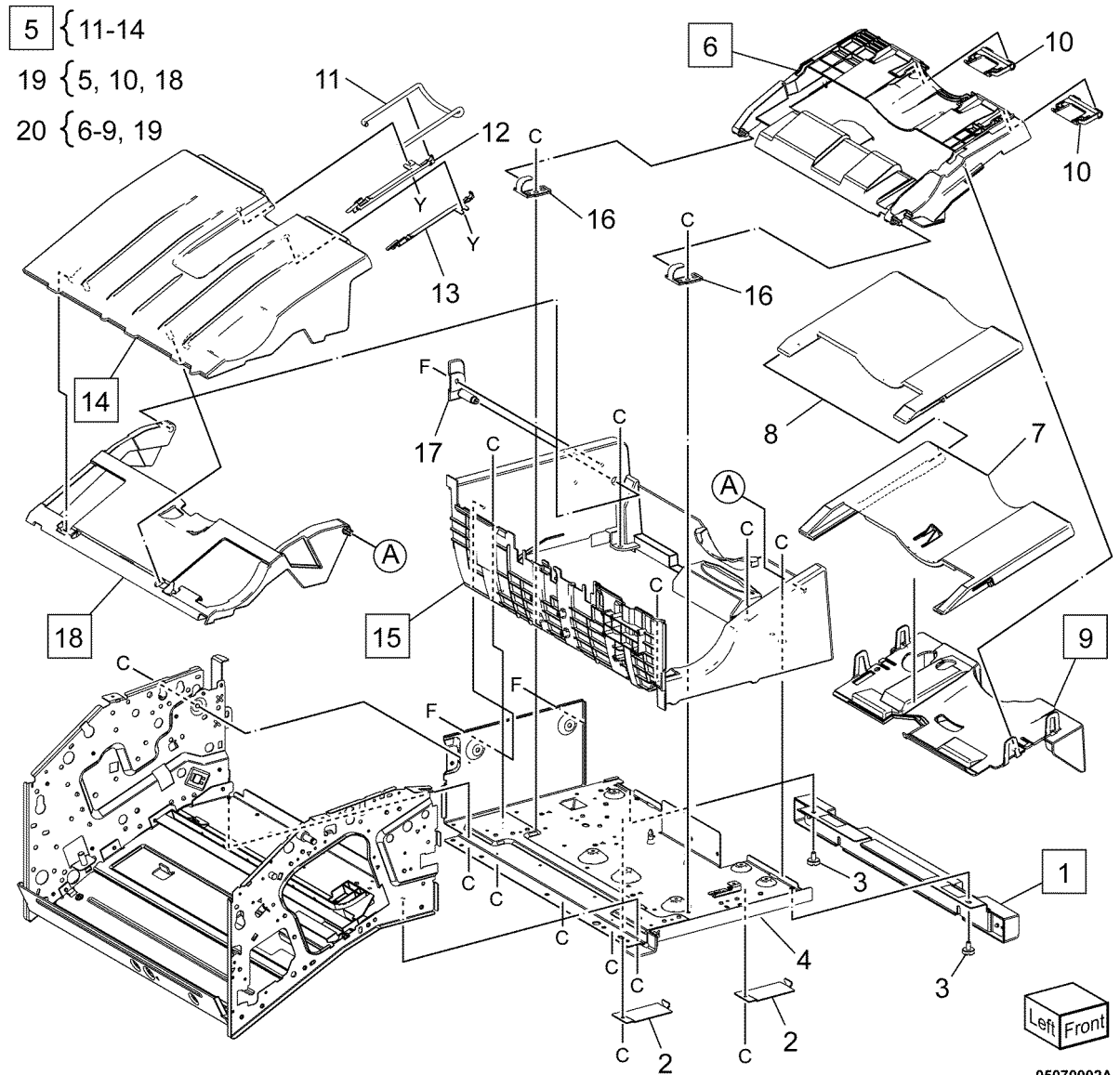
PL 70.3 Stacker Base Assembly (2 of 2)

Item	Part	Description
1	006K35691	Lift Shaft Assembly (REP 3.1)
2	—	Lift Shaft (P/O PL 70.3 Item 1)
3	—	Cam (P/O PL 70.3 Item 1)
4	—	Rear Cam (P/O PL 70.3 Item 1)
5	—	Gear (Z24) (P/O PL 70.3 Item 1)
6	—	Powdered Metal Bearing (P/O PL 70.3 Item 1 & 12)
7	—	Shaft Bracket (P/O PL 70.3 Item 1)
8	—	Latch Bearing (P/O PL 70.3 Item 1)
9	960K93602	Finisher PWB (REP 3.3)
10	—	PWB Cap Supplement
11	—	Lift Bracket
12	049K44590	Lift Motor Bracket Assembly (REP 3.2)
13	—	Worm Shaft (P/O PL 70.3 Item 12)
14	—	Worm Gear (P/O PL 70.3 Item 12)
15	—	Stacker Motor (P/O PL 70.3 Item 12)
16	—	Pulley (T60) (P/O PL 70.3 Item 12)
17	—	Worm Wheel Shaft (P/O PL 70.3 Item 12)
18	—	Gear (Z16/Z32) (P/O PL 70.3 Item 12)
19	—	Lift Bracket (P/O PL 70.3 Item 12)
20	—	Lift Motor Bracket (P/O PL 70.3 Item 12)
21	—	Synchronous Bare Back Belt (P/O PL 70.3 Item 12)
22	—	Stacker No Paper Sensor
23	952K43340	Wire Harness (IF)
24	952K41460	Wire Harness (Stacker Motor)
25	—	Wire Harness (Eject Motor)

1 { 2-8

12 { 6, 13-21

(1/4 Pcs.)
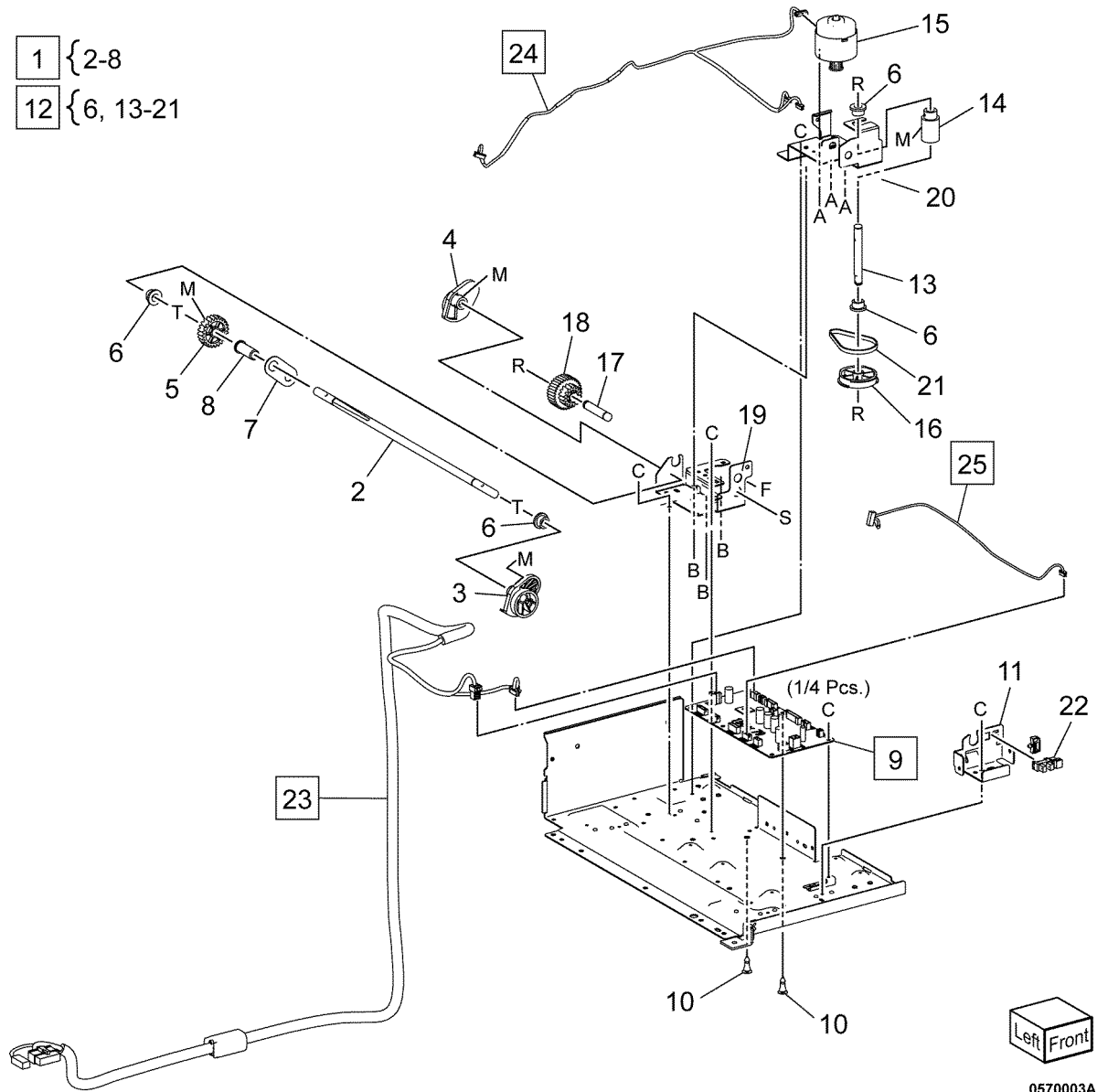
Left Front

0570003A

PL 70.4 Eject Assembly (1 of 3)

Item	Part	Description
1	—	Bottom Frame Assembly
2	—	Bottom Spacer
3	—	Hole Guide
4	019K18880	Low Eject Clamp Assembly (REP 4.2)
5	—	Eject Clamp Assembly (P/O PL 70.4 Item 4)
6	815K17653	Upper Eject Plate Assembly (REP 4.1)
7	006K35201	Set Clamp Shaft Assembly 2 (REP 4.3)
8	—	Set Clamp Shaft 2 (P/O PL 70.4 Item 7)
9	—	Shelf Set Clamp Gear (Z24) (P/O PL 70.4 Item 7)
10	—	Gear (Z17) (P/O PL 70.4 Item 7)
11	—	Brake Assembly (P/O PL 70.4 Item 7)
12	013E88260	Bearing
13	—	Eject Roll Collar (P/O PL 70.4 Item 7)
14	006K35440	Clutch Shaft Assembly
15	—	Clutch Shaft (P/O PL 70.4 Item 14)
16	—	Eject Cam Clutch (P/O PL 70.4 Item 14) (REP 4.4)
17	—	Brake Bearing (P/O PL 70.4 Item 14)
18	—	Gear (Z36) (P/O PL 70.4 Item 14)
19	—	Eject Cam Assembly (P/O PL 70.4 Item 4)
20	—	Cam Shaft (P/O PL 70.4 Item 19)
21	—	Paper Guide Cam (P/O PL 70.4 Item 19)
22	—	Shelf Lock Cam (P/O PL 70.4 Item 19)
23	—	Sensor Bracket Assembly (P/O PL 70.4 Item 4)
24	930W00121	Stacker Height Sensor
25	—	Eject Cam Home Sensor
26	012K97270	Cam Link Assembly
27	022E33741	Cam Roll
28	—	Sensor Bracket (P/O PL 70.4 Item 23)
29	899E16580	Eject Pinch Spring
30	899E16590	Link Spring
31	012E20400	Sub Shaft Link
32	012E20413	Sub Paddle Link
33	008E98951	Eject Clamp Cam
34	807E55721	Cam Clutch Gear (Z21)
35	869E28310	Stopper Bracket
36	806E48690	Cam Upper Shaft

4 {5,7,14,19,23,37,38

7 {8-13

14 {15-18, 41

19 {20-22

23 {24,28
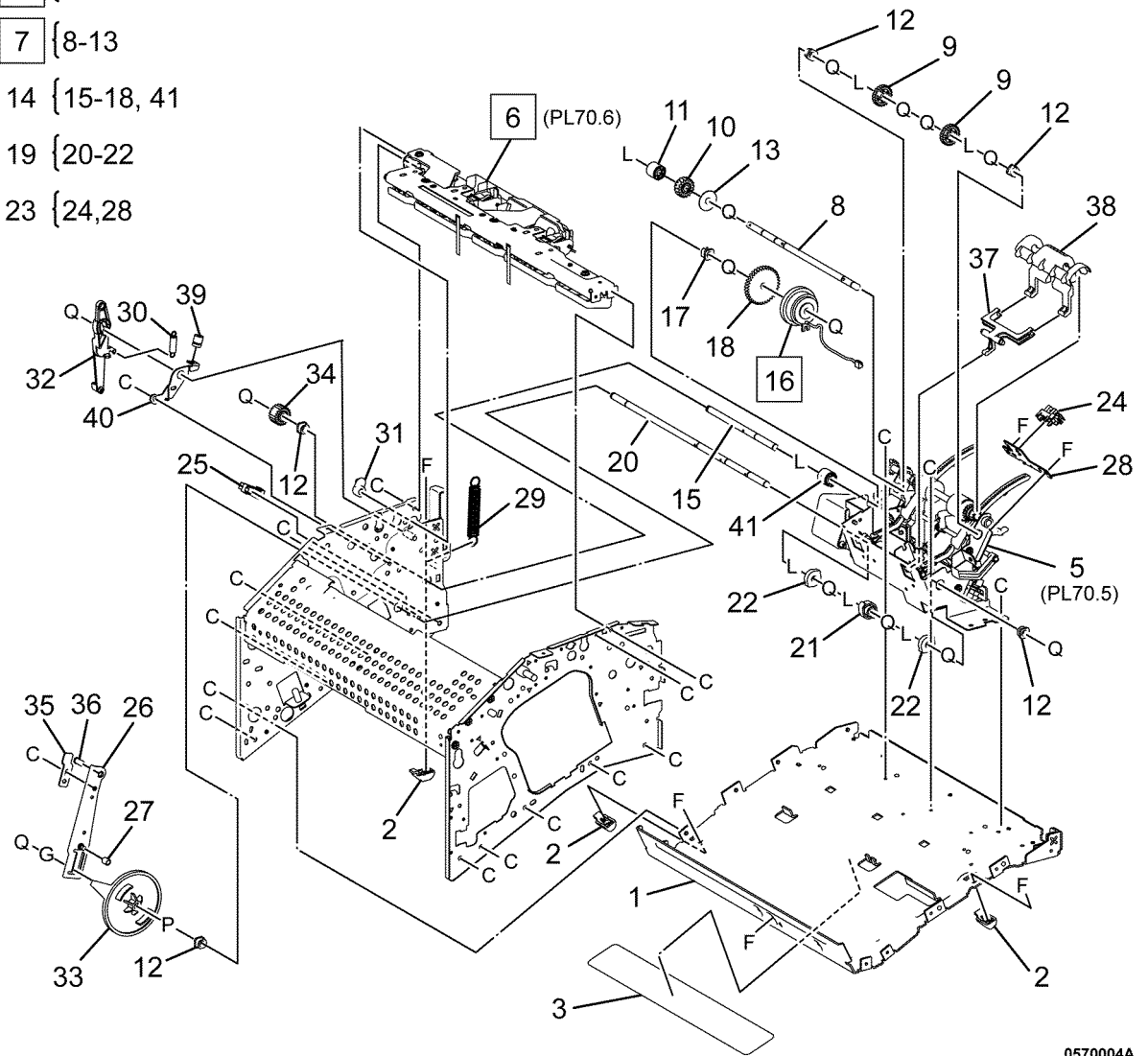
0570004A

37	—	Paper Guide Arm (P/O PL 70.4 Item 4)
38	—	Paper Eject Guide (P/O PL 70.4 Item 4)
39	004E25030	Gel Damper
40	—	Gel Bracket
41	—	Brake Assembly (P/O PL 70.4 Item 14)

PL 70.5 Eject Assembly (2 of 3)

Item	Part	Description
1	—	Eject Drive Bracket Assembly
2	—	Eject Motor Bracket Assembly (REP 5.2)
3	127K76510	Eject Motor
4	—	Gear Pulley (Z12/T30)
5	—	Synchronous Bare Back Belt
6	—	Set Clamp Shaft
7	—	Set Clamp Spring
8	—	Set Clamp Holder Assembly
9	—	Set Clamp Link
10	—	Set Clamp Actuator Link
11	—	Set Clamp L Spring
12	—	Set Clamp Link
13	—	Shelf Guide
14	—	Set Clamp Actuator
15	859K06140	Roll Assembly (REP 5.1)
16	—	Eject Roll Collar
17	—	Stopper Link
18	—	Shelf Guide
19	—	Shelf Eject Gear (Z12/Z18)
20	—	Eject Roll Gear (Z12)
21	—	Tie Eject Bracket
22	—	Stopper Spring
23	—	Powdered Metal Bearing
24	930W00121	Set Clamp Home Sensor
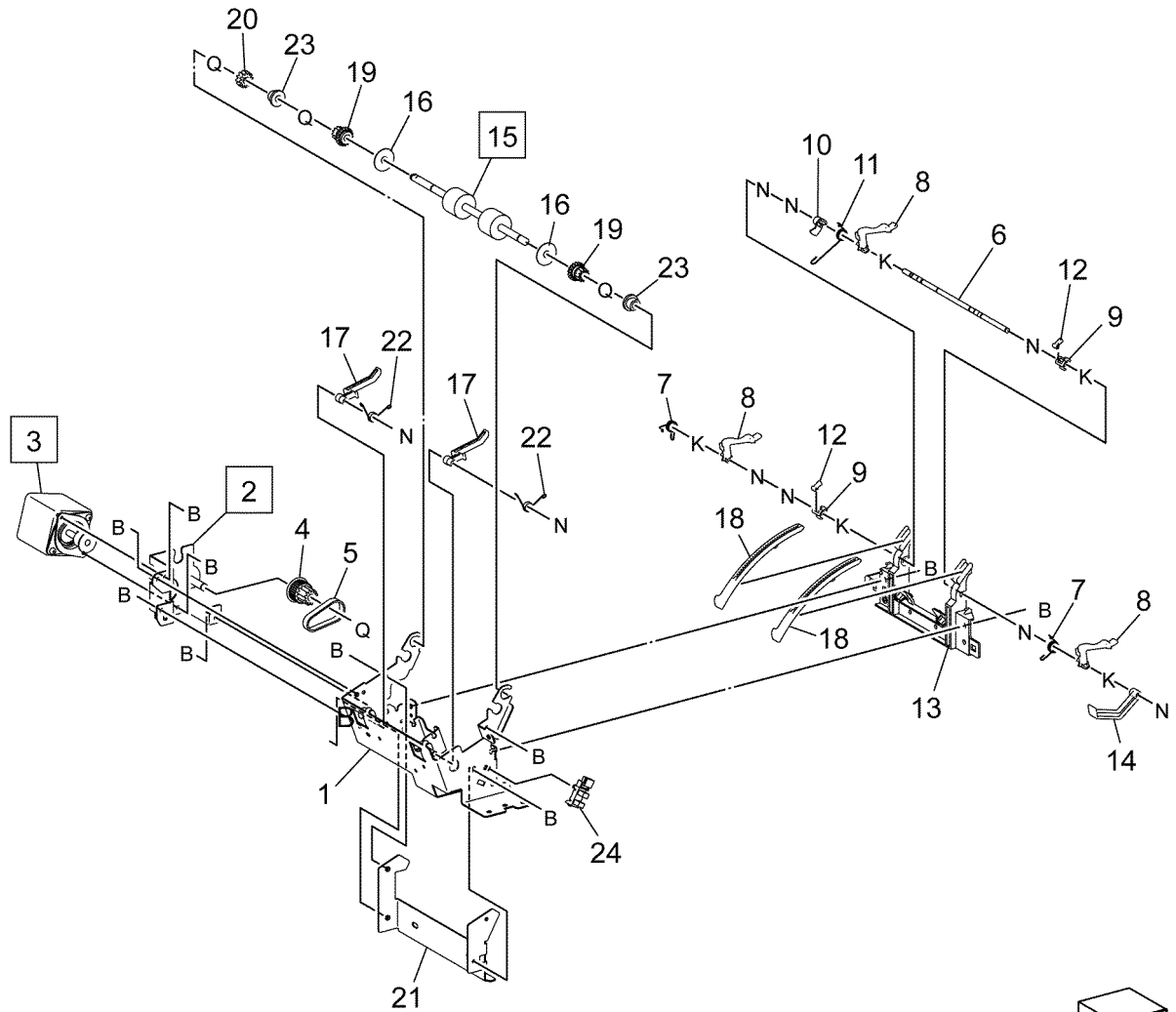
0570005A

PL 70.6 Eject Assembly (3 of 3)

Item	Part	Description
1	—	Sub Paddle Drive Shaft
2	—	Gear (Z12)
3	013E88260	Bearing
4	—	Eject Clamp Arm
5	—	Pinch Arm Bracket
6	—	Sub Paddle Arm Shaft
7	—	Sub Paddle Arm Assembly
8	—	Sub Paddle Pulley (T14) (P/O PL 70.6 Item 7)
9	—	Sub Paddle Arm (P/O PL 70.6 Item 7)
10	—	Sub Paddle Arm 2 (P/O PL 70.6 Item 7)
11	—	Sub Paddle (P/O PL 70.6 Item 7) (REP 6.1)
12	—	Gear (Z12) (P/O PL 70.6 Item 7)
13	—	Synchronous Bare Back Belt (P/O PL 70.6 Item 7)
14	—	Tie Eject Plate Assembly
15	—	Roll Bearing Assembly
16	—	Paper Eject Clamp Guide
17	—	Pinch Exit Holder
18	—	Paper Exit Guide
19	—	Pinch Eject L Shaft
20	—	Gear (Z12)
21	—	Eject Cover
22	—	Ball Bearing
23	—	Compile Eject Eliminator
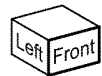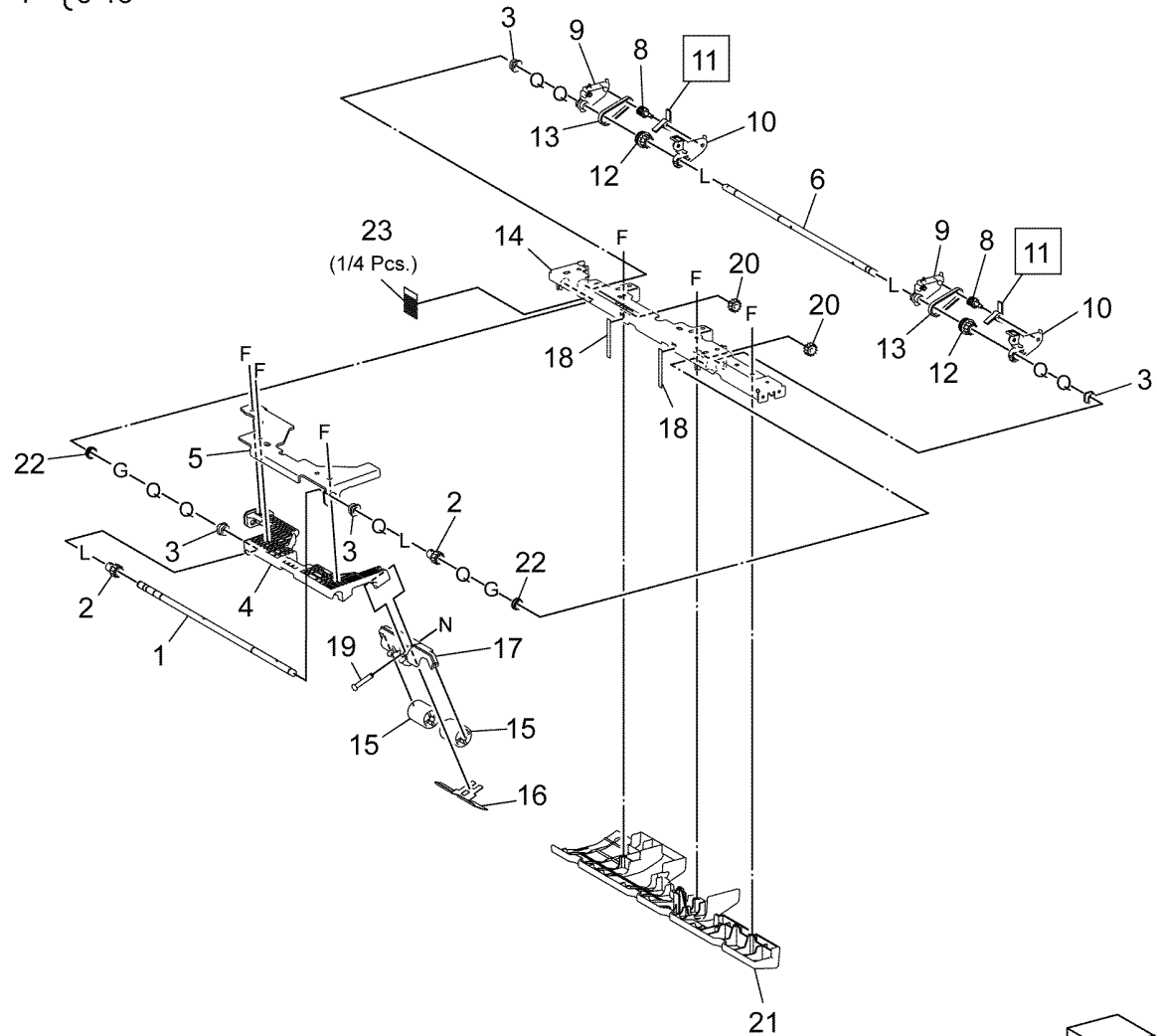
0570006A

PL 70.7 Export Assembly (1 of 2)

Item	Part	Description
1	019K17541	400 Brake Assembly
2	020K18860	Oneway Pulley (T16) Assembly
3	—	Out Sensor Bracket
4	930W00212	Compile Exit Sensor (A) / Finisher Entrance Sensor (B)
5	—	Not used
6	—	In Sensor Bracket
7	423W10654	Synchronous Bare Back Belt
8	—	Synchronous Bare Back Belt
9	803E26931	Roll Knob
10	049K35250	Jam Shaft Bracket Assembly
11	—	Jam Pulley (T20) Assembly (P/O PL 70.7 Item 10)
12	013E88260	Bearing
13	—	Jam Knob Shaft (P/O PL 70.7 Item 10)
14	—	Jam Shaft Bracket (P/O PL 70.7 Item 10)
15	—	Synchronous Bare Back Belt (P/O PL 70.7 Item 10)
16	049K36910	Tension Belt Bracket Assembly
17	—	Tension Belt Bracket (P/O PL 70.7 Item 16)
18	—	Pulley (P/O PL 70.7 Item 16)
19	859K05200	Transport Roll 1 Assembly
20	859K05340	Compile Exit Roll Assembly (REP 7.2)
21	859K06130	Transport Roll 2 Assembly
22	020E49970	Main Idler Pulley
23	020E52380	Transport Roll 1 Pulley (T55)
24	020E52390	Transport Roll 1 Rear Pulley (T40)
25	020E52470	Clutch Pulley (T16)
26	—	Clutch Lock Cap
27	—	Upper Chute (REP 7.1)
28	807E55080	Motor Idler Gear 2 (Z55L/T17)
29	807E56170	Clutch Gear (Z22)
30	807E56180	Gear (Z22/T20)
31	—	Lower Export Harness Support
32	—	Upper Export Harness Support
33	899E16870	Tension Spring
34	423W27154	Synchronous Bare Back Belt
35	—	Ball Bearing
36	—	Ball Bearing
37	007E78040	Gear (32T)
38	807E20870	Gear (Z34)
39	807E55250	Paddle Idler Gear (Z16/Z35)
40	807E13240	Gear (Z27L)
41	—	Xport Harness Guide

0570007A
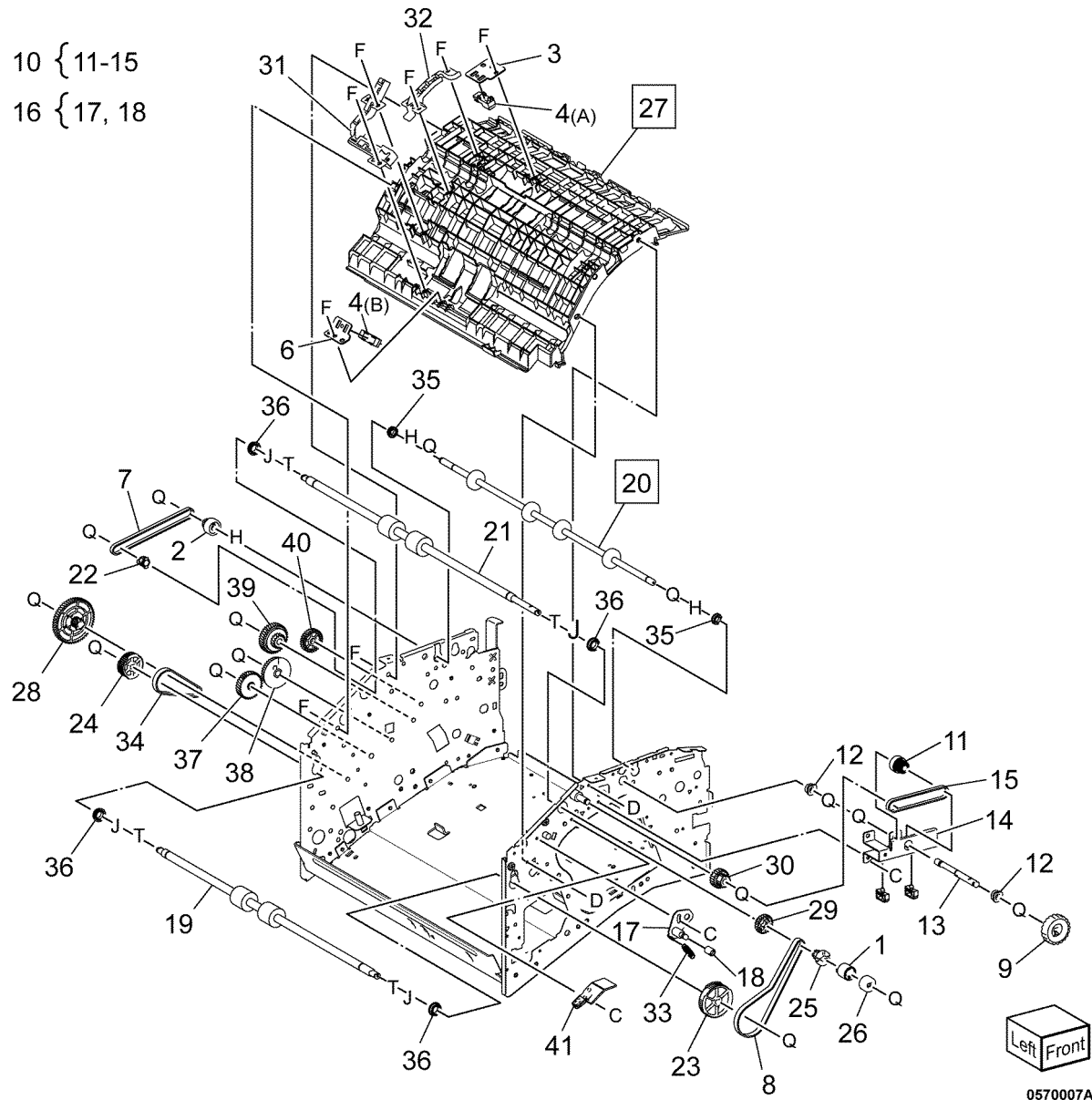
PL 70.8 Export Assembly (2 of 2)

Item	Part	Description
1	007K22400	Main Paddle Gear (Z29/T28) Assembly
2	007K23720	Motor Idler Gear 1 (Z21/T43) Assembly (REP 8.4)
3	020K18971	Oneway Pulley (28T) Assembly
4	127K75550	Finisher Transport Motor (REP 8.3)
5	013E88260	Bearing
6	—	Pulley
7	—	Export Harness Guide
8	—	Synchronous Bare Back Belt
9	054K56612	Lower Chute Assembly (REP 8.1)
10	—	Pinch Roll Shaft Assembly (P/O PL 70.8 Item 9)
11	—	Pinch Exit Out Roller (P/O PL 70.8 Item 9)
12	—	Pinch Exit Out Holder (P/O PL 70.8 Item 9)
13	—	Lower Chute (P/O PL 70.8 Item 9)
14	—	Pinch Exit Spring (P/O PL 70.8 Item 9)
15	—	Pinch No.1 No.2 Roll Spring (P/O PL 70.8 Item 9)
16	033K99051	Main Sub Paddle Assembly (REP 8.2)
17	—	Collar (P/O PL 70.8 Item 9 & 16)
18	—	Cyclone Paddle (P/O PL 70.8 Item 9 & 16)
19	—	Main Paddle Shaft (P/O PL 70.8 Item 9 & 16)
20	—	Plastic Sleeve Bearing (P/O PL 70.8 Item 9 & 16)
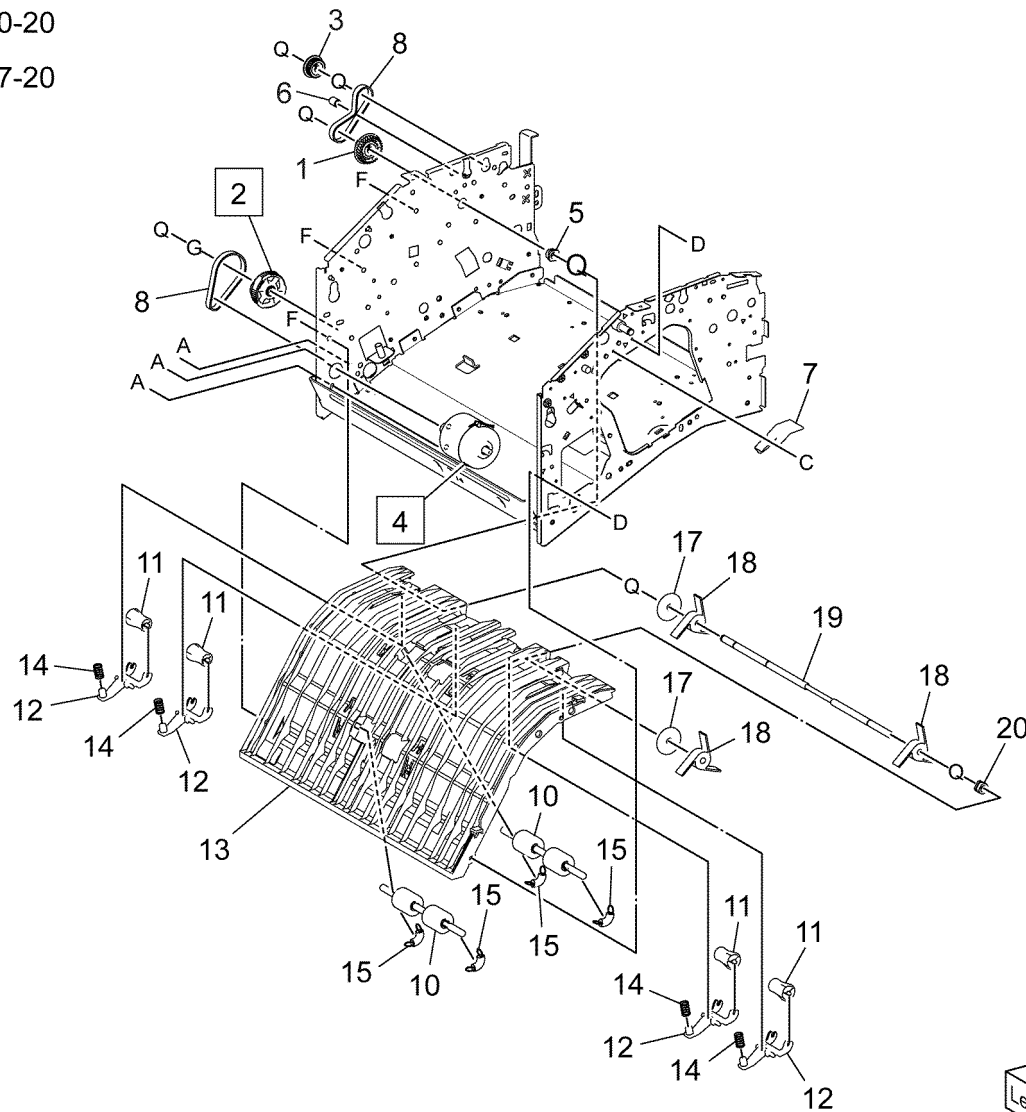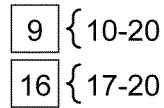
0570008A

PL 70.9 Stapler Assembly

Item	Part	Description
1	029K93260	Staple Assembly (REP 9.2)
2	050K51250	Cartridge Assembly
3	—	Holder Bracket Assembly
4	—	Staple Harness Guide 2
5	—	Holder Bracket 2
6	—	Move Bracket Assembly (P/O PL 70.9 Item 27)
7	—	Move Staple Spacer (P/O PL 70.9 Item 27)
8	—	Staple Harness Guide (P/O PL 70.9 Item 27)
9	—	Roller (P/O PL 70.9 Item 27)
10	—	Belt Clamp (P/O PL 70.9 Item 27)
11	930W00121	Stapler Move Position Sensor
12	952K34072	Wire Harness (Staple)
13	049K36723	Staple Drive Bracket Assembly (REP 9.1)
14	—	Tension Bracket Assembly (P/O PL 70.9 Item 13)
15	—	Motor Bracket Assembly (P/O PL 70.9 Item 13)
16	—	Stapler Move Motor (P/O PL 70.9 Item 13)
17	—	Pulley (P/O PL 70.9 Item 13)
18	—	Gear (Z50L/T33) (P/O PL 70.9 Item 13)
19	—	Staple Move Belt Stud (P/O PL 70.9 Item 13)
20	—	Tension Spring (P/O PL 70.9 Item 13)
21	—	Synchronous Bare Back Belt (P/O PL 70.9 Item 13)
22	—	Pulley (T33/S2M)
23	—	Staple Move Shaft
24	—	Tension Bracket 2
25	—	Staple Harness Guide 3
26	—	Staple Move Rail (REP 9.3)
27	049K35160	Move Staple Bracket Assembly
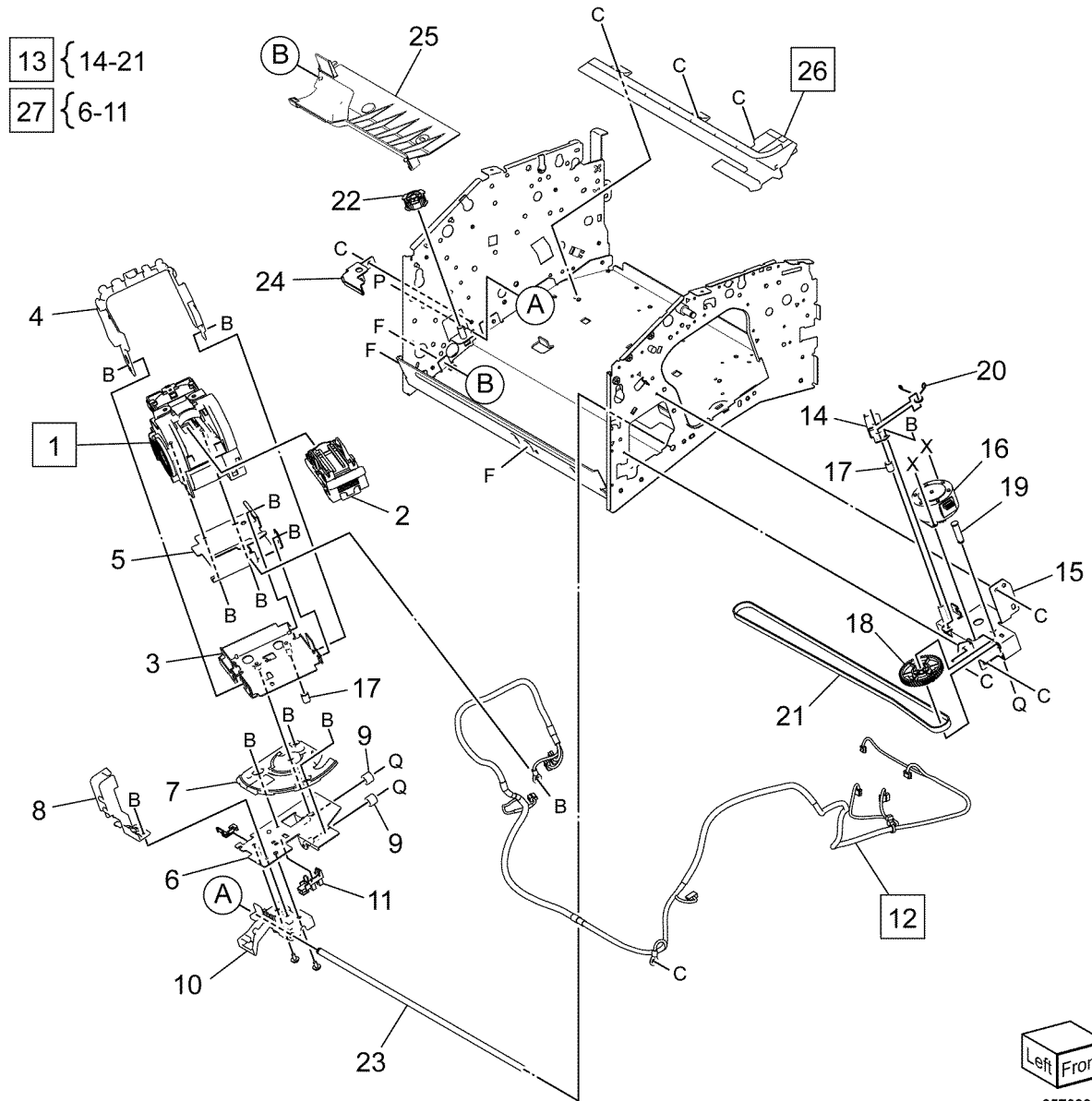
Note: 1. Staple cartridges can be ordered 008R12964.

Note: 2. Staple refills can be ordered 008R12941.

0570009A

PL 70.10 Compile Assembly

Item	Part	Description
1	050K79370	Compile Tray Assembly (REP 10.1)
2	—	Front Tamper Guide (P/O PL 70.10 Item 1)
3	—	Front Tamper Base (P/O PL 70.10 Item 1)
4	—	Tamper Rack (P/O PL 70.10 Item 1)
5	—	Tamper Spring (P/O PL 70.10 Item 1)
6	—	Rear Tamper Guide (P/O PL 70.10 Item 1)
7	—	End Wall Guide (P/O PL 70.10 Item 1)
8	—	Paper End Wall Guide (P/O PL 70.10 Item 1)
9	—	Rear Tamper Motor (P/O PL 70.10 Item 1)
10	—	Front Tamper Motor (P/O PL 70.10 Item 1)
11	—	Paper Compile Guide (P/O PL 70.10 Item 1)
12	—	Compile Tray Harness Guide (P/O PL 70.10 Item 1)
13	—	Rear Paper Compile Guide (P/O PL 70.10 Item 1)
14	—	Compile Tray (P/O PL 70.10 Item 1)
15	—	Shelf Stopper (P/O PL 70.10 Item 1)
16	—	Tamper Motor Bracket (P/O PL 70.10 Item 1)
17	—	Rear End Wall Spring (P/O PL 70.10 Item 1)
18	—	End Wall Spring (P/O PL 70.10 Item 1)
19	930W00121	Front Tamper Home Sensor (A)/ Rear Tamper home Sensor (B)
20	—	Not used
21	952K34092	Wire Harness (Tamper Motor)
22	952K34111	Wire Harness (Sensor)

1 { 2-20
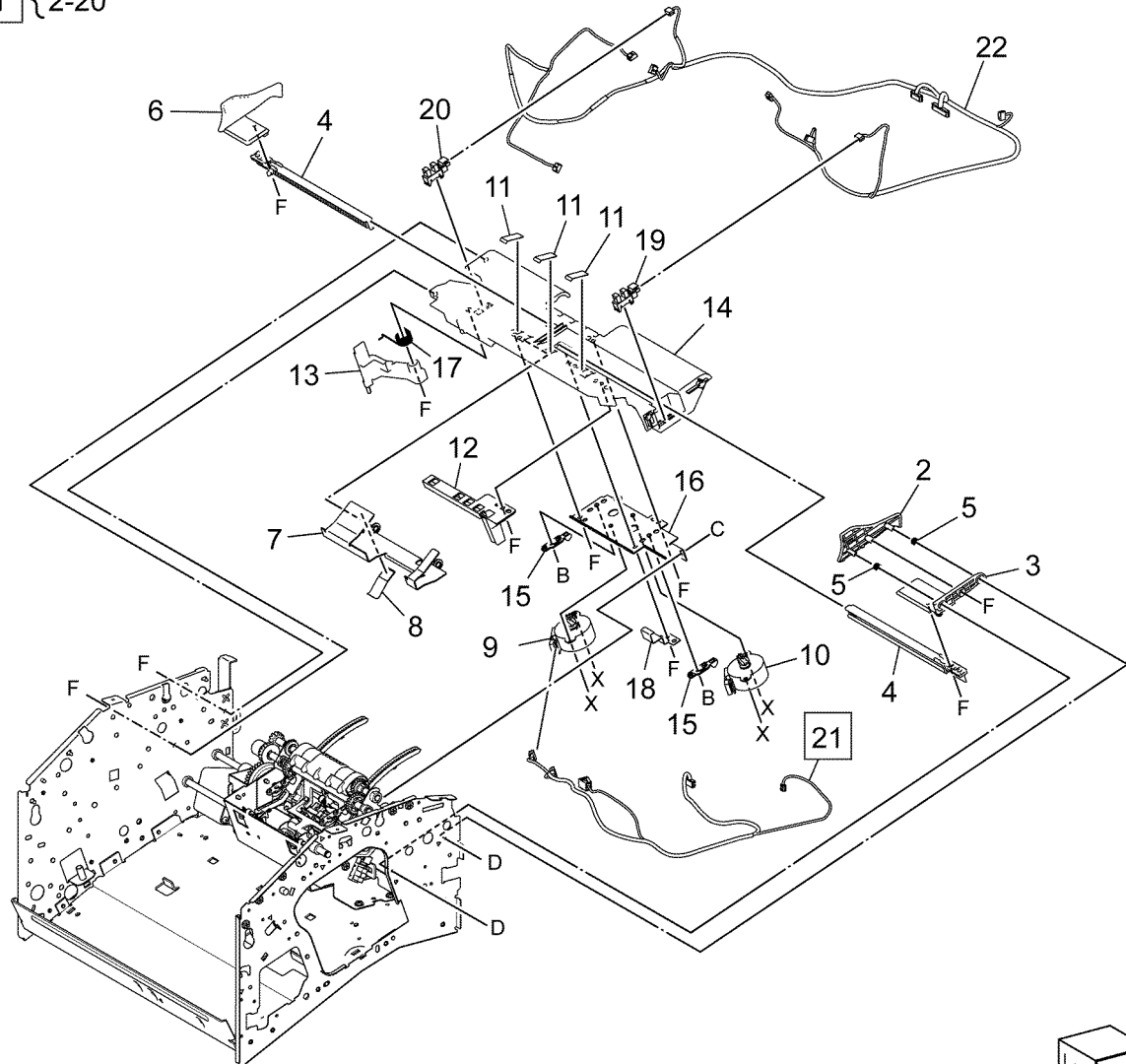
0570010A

Common Hardware

Item	Part	Description
A	113W20478	Screw (M3 x 4)
B	113W20678	Screw (M3x6)
C	113W20698	Screw (M3x6)
D	113W21278	Screw (M3x12)
E	113W21478	Screw (M3x14)
F	153W17888	Tapping Screw (M3x8)
G	252W27450	Nylon Washer (6) (t1)
H	252W27550	Nylon Washer (6) (t1.5)
J	252W29550	Nylon Washer (8) (t1.5)
K	285W15651	Spring Pin (2x6)
L	285W16051	Spring Pin (2x10)
M	285W21451	Spring Pin (2.5x14)
N	354W21278	E-Clip (3)
P	354W24254	KL-CLIP
Q	354W24278	E-Clip (4)
R	354W26278	E-Clip (5)
S	354W27254	KL-CLIP
T	354W27278	E-Clip (6)
W	354W29254	KL-CLIP
X	113W27488	Screw (M3x4)
Y	153W17688	Tapping Screw (M3x6)

6 General Procedures

Machine Dimensions

Table 1 Finisher Standalone Dimensions

	Height	Width	Depth
When Extension Output Tray is Stored	238mm	478mm	460.5 mm
When Extension Tray 1 is Drawn	238mm	562mm	460.5 mm
When Extension Tray 2 is Drawn	238mm	658mm	460.5 mm

Weight

11.1kg or less (Standalone Unit Weight)

Electrical Specification

Supplied from IOT Main Unit.

1. Voltage: 24V DC

2. Electric Current: 1.9A [55PPM machines (converted to 24.5V) Power: 46.6Wdc]

Integrated Office Finisher Overview

A post-processing device (hereinafter called **Finisher**) comprising a Staple Finisher (hereinafter called **Stapler**) with am offset mechanism for offsetting and stapling center output from the IOT Main Unit, and a Tray (hereinafter called **Stacker**) for stacking stapled and unstapled paper.

1. The Integrated Office Finisher module consists of only the Finisher and is installed on top of the IOT Inner Tray. Power is supplied at 24V DC from the IOT.

2. Selectable Features

   • With/without offset in the Stacker, staple, and unstaple are instructed by an IOT command.

3. The Integrated Office Finisher module supports the paper speed conveyed from the IOT.

4. Output of paper from Exit 2 is prohibited. However, it is possible to output from the Side Tray, and during DUP, there is reversible space on top of the Integrated Office Finisher.

   (The IOT automatically recognizes the Integrated Office Finisher when power is turned on and prohibits output from Exit 2.)

Product Codes

Table 1 Product Codes

Item	Code
Integrated Office Finisher	2FA

Change Tags

Change Tags Introduction

Important modifications to the copier are identified by a tag number which is recorded on a tag matrix:

- The tag matrix for the IOT is molded into the inside of the Front Door.

- The tag matrix for the Finisher is a label affixed to the inside of the Finisher Front Door.

Classification Codes

A tag number can be required to identify differences between parts that cannot be interchanged, or differences in diagnostic, repair, installation, or adjustment procedures.

A tag number can also be required to identify the presence of optional hardware, special non-volatile memory programming, or whether mandatory modifications have been installed. Each tag number is given a classification code to identify the type of change that the tag has made. The classification codes and their descriptions are listed in Table 1.

Table 1 Classification Codes

Classification Code	Description
M	Mandatory tag.
N	Tag not installed in the field.
O	Optional tag.
R	Repair tag.

Limitations

Table 1 Limitations

No.	Limitations
1	If the number of paper bundles is large during Dual Staple, minor damage may occur at the edge of the paper after the bottom paper.
2	If the paper width is shorter than nominal, misregistration may occur.
3	When stapling Coated or Heavyweight paper, slight damage in the form of streaks near the staple may occur.
4	In the case of Coated paper, when the coefficient of friction between sheets is high, paper weight is heavy, or paper is very smooth, misregistration or missing pages may occur.
5	If the number of paper bundles is large during Dual Staple, the trailing edge of paper after the bottom paper may become slightly dirty.
6	If the curl is large in Heavyweight/Coated paper, misregistration may occur.
7	If the upper curl is large at the time of loading Coated paper in the MSI, etc., retrieve per sheet.
8	In the case of envelopes where the feed length is 60mm or more and the flap/ folded portion is above the transport surface, retrieve per sheet.
9	Use of Npi Bond 52gsm A3 is prohibited.
10	Use of Npi Bond Green70 52gsm A3 is prohibited.
11	Use of Npi Bond Green70 81gsm A3 is prohibited.
12	Coated paper may fully stack up to in the SS direction and be stacked.
13	In A-Zone temperature control paper, misregistration may occur in the case of double-sided printing of high density images.
14	In Rear Staple, paper damage may occur if the paper width is 210mm or less and the side upper curl is large.
15	In jobs with Covers, misregistration may occur when the paper is upper curl and the Covers are down curl. This tends to occur when Covers are Coated paper.
16	Sheet output is prohibited for 52gsm Lightweight A3 size.
17	Paper may jump out in the SS direction and be stacked in 17-inch staple jobs.

DC330 Input Component Check List

The purpose of Component Control is to display the logic state of input signals, from Sensors and Switches, and to energize output components, such as Motors and Solenoids. These functions are accessed from the IOT control panel.

For details on accessing Component Control, refer to Section 6, General Procedures, of the IOT Service Manual.

Table 1 DC330 Input Component Check List

Chain-Link	Component Name	Description	Port	Meaning
012–101	Finisher Front Door Interlock Switch	Detects the Finisher Front Door (Interlock) open/close state.	Low	Closed
012–111	IOT Exit Sensor (Hot Line)	Detects the presence of paper on IOT Exit Sensor. The IOT Exit Sensor is a sensor of the IOT which produces the Hot Line signal logic that is input to the Finisher Main PWBA.	High	Paper Detected
012–112	Entrance Sensor	Detects the presence of paper on Entrance Sensor.	Low	Paper Detected
012–113	Compile Exit Sensor	Detects the presence of paper on Compile Exit Sensor.	High	Paper Detected
012–121	Eject Cam Home Sensor	Detects the Home Position of Eject Cam.	Low	Home Position
012–122	Set Clamp Home Sensor	Detects the Home Position of Set Clamp.	Low	Home Position
012–-123	Front Tamper Home Sensor	Detects the Home Position of Front Tamper.	Low	Home Position
012–-124	Rear Tamper Home Sensor	Detects the Home Position of Rear Tamper.	Low	Home Position
012–125	Staple Move Position Sensor	Detects the position of Stapler.	Low	Home Position
012–126	Low Staple Sensor	Detects the remaining staples in the Stapler.	High	Out of staples
012–127	Self Priming Sensor	Detects the staples feed state of Stapler.	Low	Ready
012–128	Staple Home Sensor	Detects the Home Position of Stapler Head.	High	Home Position
012–129	Stacker No Paper Sensor	Detects whether the High Capacity Stacker - Stacker Cart is at the height position which indicates No Paper.	High	Home Position (No Paper)
012–-130	Stacker Height Sensor	Detects the top surface of the High Capacity Stacker - Stacker Cart.	Low	Paper Detected

DC330 Output ComponentCheck List

The purpose of Component Control is to display the logic state of input signals, from Sensors and Switches, and to energize output components, such as Motors and Solenoids. These functions are accessed from the IOT control panel.

For details on accessing Component Control, refer to the Section 6, General Procedures, of the IOT Service Manual.

Table 1 DC330 Output Component Check List

Chain-Link	Component Name	Description	Stop Condition (Time Out, etc.)	Simultaneous Execution Prohibited Chain-Link	Signal Name	Port	Meaning	Remarks
012–001	Transport Motor (Forward)	Drives the Transport Motor in forward direction.	Operate until stop instruction is received		TRANSPORT_MOT_DIR TRANSPORT_MOT_CLK TRANSPORT_MOT_BRAKE	High High	Transportation Direction (CCW) Clock Rotate	
012–012	Front Tamper Motor (Front/Low Speed)	Moves the Front Tamper towards the front at low speed.	100 [pulse] output	012–013 012–014 012–015	FRONT_TAMPER MOT_DIR FRONT_TAMPER_MOT_ENB	Low High	Front Direction: Excite ON Clock	
					FRONT_TAMPER MOTOR_CLK	Low	Strong Current	
					FRONT_TAMPER MOT_CUR			
012–013	Front Tamper Motor (Front/High Speed)	Moves the Front Tamper towards the front at high speed.	100 [pulse] output	012–012 012–014 012–015	FRONT_TAMPER MOT_DIR FRONT_TAMPER_MOT_ENB	Low High	Front Direction: Excite ON Clock	
					FRONT_TAMPER MOTOR_CLK	Low	Strong Current	
					FRONT_TAMPER MOT_CUR			
012–014	Front Tamper Motor (Rear/Low Speed)	Moves the Front Tamper towards the rear at low speed.	100 [pulse] output	012–012 012–013 012–015	FRONT_TAMPER MOT_DIR FRONT_TAMPER_MOT_ENB	High High	Rear Direction Excite ON Clock	
					FRONT_TAMPER MOTOR_CLK	Low	Strong Current	
					FRONT_TAMPER MOT_CUR			
012–015	Front Tamper Motor (Rear/High Speed)	Moves the Front Tamper towards the rear at high speed.	100 [pulse] output	012–012 012–013 012–014	FRONT_TAMPER MOT_DIR FRONT_TAMPER_MOT_ENB	High High	Rear Direction Excite ON Clock	
					FRONT_TAMPER MOTOR_CLK	Low	Strong Current	
					FRONT_TAMPER MOT_CUR			
012–016	Rear Tamper Motor (Front/Low Speed)	Moves the Rear Tamper towards the front at low speed.	100 [pulse] output	012–017 012–018 012–019	REAR_TAMPER MOT_DIR REAR_TAMPER_MOT_ENB	High High	Front Direction: Excite ON Clock	
					REAR_TAMPER MOTOR_CLK	Low	Strong Current	
					REAR_TAMPER MOT_CUR			
012–017	Rear Tamper Motor (Front/High Speed)	Moves the Rear Tamper towards the front at high speed.	100 [pulse] output	012–016 012–018 012–019	REAR_TAMPER MOT_DIR REAR_TAMPER_MOT_ENB	High High	Front Direction: Excite ON Clock	

Chain-Link	Component Name	Description	Stop Condition (Time Out, etc.)	Simultaneous Execution Prohibited Chain-Link	Signal Name	Port	Meaning	Remarks
					REAR_TAMPER MOTOR_CLK	Low	Strong Current	
					REAR_TAMPER MOT_CUR			
012–018	Rear Tamper Motor (Rear/Low Speed)	Moves the Rear Tamper towards the rear at low speed.	100 [pulse] output	012–016 012–017 012–019	REAR_TAMPER MOT_DIR REAR_TAMPER_MOT_ENB	Low High	Rear Direction Excite ON Clock	
					REAR_TAMPER MOTOR_CLK	Low	Strong Current	
					REAR_TAMPER MOT_CUR			
012–019	Rear Tamper Motor (Rear/High Speed)	Moves the Rear Tamper towards the rear at high speed.	100 [pulse] output	012–016 012–017 012–018	REAR_TAMPER MOT_DIR REAR_TAMPER_MOT_ENB	Low High	Rear Direction Excite ON Clock	
					REAR_TAMPER MOTOR_CLK	Low	Strong Current	
					REAR_TAMPER MOT_CUR			
012–031	Stapler Move Motor (Front)	Moves the Stapler towards the front.	400 [pulse] output	012–032 012–033	STAPLER_MOVE_MOT_DIR STAPLER_MOVE_MOT_ENB	Low High	Front Direction: Excite ON	
				012–034	STAPLER_MOVE _MOT_CLK	Low	Clock Strong Current	
					STAPLER_MOVE _MOT CUR			
012–032	Stapler Move Motor (Rear)	Moves the Stapler towards the rear.	400 [pulse] output	012–031 012–033	STAPLER_MOVE_MOT_DIR STAPLER_MOVE_MOT_ENB	High High	Rear Direction Excite ON	
				012–034	STAPLER_MOVE _MOT_CLK	Low	Clock Strong Current	
					STAPLER_MOVE _MOT CUR			
012–033	Stapler Motor (Forward)	Drives the Stapler Motor in forward direction.	Stops when Staple Home Sensor is OFF -> ON (Becomes longer when failure occurs.)	012–031, 012–032, 012–034, 012–081, 012–082	STAPLER_MOT_PHASE STAPLER_ MOT_ENB_PWM STAPLER_MOT_ STOP	High High	PWM PWM	
012–034	Stapler Motor (Reverse)	Drives the Stapler Motor in reverse direction.	50 ms	012–031, 012–032, 012–033, 012–081,	STAPLER_MOT_PHASE STAPLER_ MOT_ENB_PWM STAPLER_MOT_STOP	Low High	PWM	Does not operate when Stapler Home Sensor = Home

Chain-Link	Component Name	Description	Stop Condition (Time Out, etc.)	Simultaneous Execution Prohibited Chain-Link	Signal Name	Port	Meaning	Remarks
				012–082				
012–051	Ejector Home Initialize	Performs the Ejector home operation.	Eject Cam Home Sensor ON	012–052, 012–053, 012–054, 012–055,	EJECT_MOTOR_DIR EJECT_MOTOR_ENB	High High	Forward rotation Excite ON	
				012–056, 012–057,	EJECT_MOTOR_CLK		Clock	
				012–058, 012–059,	EJECT_MOTOR_PWM		PWM	
				012–060, 012–061,	EJECT_MOTOR_PHASE1	Low	2-phase excitation	
				012–066	EJECT_MOTOR_PHASE2	Low		
					EJECT_CAM_CLUTCH		PWM	
						Low		
						Low		
012–052	Sub Paddle (Down/Up)	Drives the Eject Motor in reverse direction and performs Sub Paddle Down Amount (component) [pulse] output after Eject Cam Home Sensor OFF. Starts to drive in forward direction after the Sub Paddle Down Time (component) [ms] had passed. Performs 26 [pulse] output after Eject Cam Home Sensor ON.	Eject Cam Home Sensor ON	012–051, 012–053, 012–054, 012–055, 012–056, 012–057, 012–058, 012–059, 012–060, 012–061, 012–066	EJECT_MOTOR_DIR EJECT_MOTOR_ENB EJECT_MOTOR_CLK EJECT_MOTOR_PWM EJECT_MOTOR_PHASE1 EJECT_MOTOR_PHASE2 EJECT_CAM_CLUTCH	Low/High High Low Low Low Low	Reverse/forward rotation Excite ON Clock PWM 2-phase excitation PWM	Does not operate when Eject Cam Position = Not at Home. Can operate after performing any of the following:- Ejector Home Initialize- Sub Paddle (Down/Up)- Eject Clamp Up
012–053	Shelf/Set Clamp (Push)	Drives the Eject Motor in reverse direction and performs	300 [pulse]	012–051, 012–052,	EJECT_MOTOR_DIR	Low	Reverse rotation	

Chain-Link	Component Name	Description	Stop Condition (Time Out, etc.)	Simultaneous Execution Prohibited Chain-Link	Signal Name	Port	Meaning	Remarks
		300 [pulse] output to push out the Shelf/Set Clamp.		012–054, 012–055,	EJECT_MOTOR_ENB	High	Excite ON	
				012–056, 012–057, 012–058, 012–059,	EJECT_MOTOR_CLK EJECT_MOTOR_PWM		Clock PWM	
				012–060, 012–061,	EJECT_MOTOR_PHASE1	Low	2-phase excitation	
				012–066	EJECT_MOTOR_PHASE2	Low		
						Low		
						Low		
012–054	Shelf/Set Clamp (Pull)	Drives the Eject Motor in forward direction and performs 300 [pulse] output to pull in the Shelf/Set Clamp.	300 [pulse]	012–051, 012–052, 012–053, 012–055, 012–056, 012–057, 012–058, 012–059,	EJECT_MOTOR_DIR EJECT_MOTOR_ENB EJECT_MOTOR_CLK EJECT_MOTOR_PWM	High High	Forward rotation Excite ON Clock PWM	Does not operate when the Eject Cam Position = Not at Shelf Lock Release Position. Can operate after performing the Eject Cam Shelf Lock Release Positioning
				012–060, 012–061,	EJECT_MOTOR_PHASE1	Low	2-phase excitation	
				012–066	EJECT_MOTOR_PHASE2	Low		
						Low		
						Low		
012–055	Eject Cam Shelf Lock Release Positioning	Turns ON the Eject Cam Clutch, gets the Eject Motor to perform 155 [pulse] output in forward direction, and then stops. Moves the Eject Cam to the release position of the Shelf Lock.	155 [pulse]	012–051, 012–052, 012–053, 012–054, 012–056, 012–057, 012–058, 012–059, 012–060, 012–061,	EJECT_MOTOR_DIR EJECT_MOTOR_ENB EJECT_MOTOR_CLK EJECT_MOTOR_PWM EJECT_MOTOR_PHASE1 EJECT_MOTOR_PHASE2 EJECT_CAM_CLUTCH	High High Low Low Low Low	Forward rotation Excite ON Clock PWM 2-phase excitation PWM	Does not operate when Eject Cam Position = Not at Home. Can operate after performing any of the following:- Ejector Home Initialize- Sub Paddle (Down/Up)- Eject Clamp Up

Chain-Link	Component Name	Description	Stop Condition (Time Out, etc.)	Simultaneous Execution Prohibited Chain-Link	Signal Name	Port	Meaning	Remarks
				012–066				
012–056	Eject Clamp Down	Turns ON the Eject Cam Clutch, drives the Eject Motor in forward direction, and performs Eject Clamp Down operation movement amount [pulse] output to move the Eject Clamp down.	Eject Clamp Down operation movement amount [pulse]	012–051, 012–052, 012–053, 012–054, 012–055, 012–057, 012–058, 012–059, 012–060, 012–061, 012–066	EJECT_MOTOR_DIR EJECT_MOTOR_ENB EJECT_MOTOR_CLK EJECT_MOTOR_PWM EJECT_MOTOR_PHASE1 EJECT_MOTOR_PHASE2 EJECT_CAM_CLUTCH	High High Low Low Low Low	Forward rotation Excite ON Clock PWM 2-phase excitation PWM	Does not operate when Eject Cam Position = Not at Home. Can operate after performing any of the following:- Ejector Home Initialize- Sub Paddle (Down/Up)- Eject Clamp Up
012–057	Eject Clamp Up	Turns ON the Eject Cam Clutch, drives the Eject Motor in forward direction, and performs 26 [pulse] output after Eject Cam Home Sensor On to move the Eject Clamp down.	Eject Cam Home Sensor ON	012–051, 012–052, 012–053, 012–054, 012–055, 012–056, 012–058, 012–059, 012–060, 012–061, 012–066	EJECT_MOTOR_DIR EJECT_MOTOR_ENB EJECT_MOTOR_CLK EJECT_MOTOR_PWM EJECT_MOTOR_PHASE1 EJECT_MOTOR_PHASE2 EJECT_CAM_CLUTCH	High High Low Low Low Low	Forward rotation Excite ON Clock PWM 2-phase excitation PWM	
012–058	Eject Motor (Forward/High)	Drives the Eject Motor using 2-phase excitation in forward direction at the Eject Roll speed (component) [mm/s].	Operate until stop instruction is received	012–051, 012–052, 012–053, 012–054, 012–055, 012–056, 012–057, 012–059,	EJECT_MOTOR_DIR EJECT_MOTOR_ENB EJECT_MOTOR_CLK EJECT_MOTOR_PWM	High High	Forward rotation Excite ON Clock PWM	
				012–060, 012–061,	EJECT_MOTOR_PHASE1	Low	2-phase excitation	
				012–066	EJECT_MOTOR_PHASE2	Low Low		

Chain-Link	Component Name	Description	Stop Condition (Time Out, etc.)	Simultaneous Execution Prohibited Chain-Link	Signal Name	Port	Meaning	Remarks
						Low		
012–059	Eject Motor (Reverse/High)	Drives the Eject Motor using 2-phase excitation in reverse direction at the Eject Roll speed (component) [mm/s].	Operate until stop instruction is received	012–051, 012–052, 012–053, 012–054, 012–055, 012–056, 012–057, 012–058,	EJECT_MOTOR_DIR EJECT_MOTOR_ENB EJECT_MOTOR_CLK EJECT_MOTOR_PWM	Low High	Reverse rotation Excite ON Clock PWM	
				012–060, 012–061,	EJECT_MOTOR_PHASE1	Low	2-phase excitation	
				012–066	EJECT_MOTOR_PHASE2	Low		
						Low		
						Low		
012–060	Eject Motor (Forward/Mid 1)	Drives the Eject Motor using 1-2-phase excitation in forward direction at the Eject Roll speed (component) [mm/s].	Operate until stop instruction is received	012–051, 012–052, 012–053, 012–054, 012–055, 012–056, 012–057, 012–058,	EJECT_MOTOR_DIR EJECT_MOTOR_ENB EJECT_MOTOR_CLK EJECT_MOTOR_PWM	High High	Forward rotation Excite ON Clock PWM	
				012–059, 012–061, 012–066	EJECT_MOTOR_PHASE1 EJECT_MOTOR_PHASE2	Low High	1-2-phase excitation	
						High		
						High		
012–061	Eject Motor (Reverse/Mid 1)	Drives the Eject Motor using 1-2-phase excitation in reverse direction at the Eject Roll speed (component) [mm/s].	Operate until stop instruction is received	012–051, 012–052, 012–053, 012–054, 012–055, 012–056,	EJECT_MOTOR_DIR EJECT_MOTOR_ENB EJECT_MOTOR_CLK EJECT_MOTOR_PWM	Low High	Reverse rotation Excite ON Clock PWM	

Chain-Link	Component Name	Description	Stop Condition (Time Out, etc.)	Simultaneous Execution Prohibited Chain-Link	Signal Name	Port	Meaning	Remarks
				012–057, 012–058,				
				012–059, 012–060, 012–066	EJECT_MOTOR_PHASE1 EJECT_MOTOR_PHASE2	Low High	1-2-phase excitation	
						High		
						High		
012–066	Eject Cam Clutch	Turns the Eject Cam Clutch ON/OFF.	1000 [ms]	012–051, 012–052,	EJECT_CAM_CLUTCH		PWM	
				012–053, 012–054,				
				012–055, 012–056,				
				012–057, 012–058,				
				012–059, 012–060,				
				012–061				

Chain-Link	Component Name	Description	Stop Condition (Time Out, etc.)	Simultane-ous Execu-tion Prohib-ited Chain-Link	Signal Name	Port	Meaning	Remarks
012–081	Stacker Motor (Lift Up)	Drives the Stacker Motor in rising direction at NVM [Stacker Motor Drive Frequency (Up)] [Hz].	90 [ms]	012–082, 012–033, 012–034	STACKER_MOT_DIR STACKER_MOT_CLK STACKER_MOT_BRAKE STACKER_MOT_CHB	High Low	Rising Direction Clock Rotate Encoder Count	
012–082	Stacker Motor (Lift Down)	Drives the Stacker Motor in lowering direction at NVM [Stacker Motor Drive Frequency (Down)] [Hz].	90 [ms]	012–081, 012–033, 012–034	STACKER_MOT_DIR STACKER_MOT_CLK STACKER_MOT_BRAKE STACKER_MOT_CHB	Low Low	Lowering Direction Clock Rotate Encoder Count	Repeating this operation changes the surface that contacts the Cam and operates the High Capacity Stacker Stacker Cart in the rising direction.As stacking a large amount of paper on the High Capacity Stacker - Stacker Cart could damage a protruding Shelf/Set Clamp, this operation might not work when the Shelf/Set Clamp is protruding.If this operation is not working, perform 012– 051 and then try the operation again.

DC131 List

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–001	IPL Software Version	0	0–255	Indicates the software version of the IPL. *NOTE:* The value of this NVM will be reflected after a DL is per– formed using IPL.	X	X	
763–048	Receive Error Detection Interrupt Count	0	0–255	Indicates the number of times Receive Error Detection Interrupt had occurred. However, those that occurred before the communication is established are not counted. 0: Has not occurred 1 to 244: Number of times it has occurred 255: Has occurred 255 times or higher	O	X	
763–052	Pitch Adjustment between Sheets during Compile Output	0	0–255	The time added for performing adjustment on the pitch between paper when the preceding paper is not a target for eject finishing.	X	O	10 ms
763–053	Pitch Adjustment between Sets during Compile Output	0	0–255	The time added for performing adjustment on the pitch between paper when the preceding paper is a target for eject finishing and it is set to compile output.	X	O	10 ms
763–054	Pitch Adjustment during Sheet Output	0	0–255	The time added for performing adjustment on the pitch between paper when the preceding paper is a target for eject finishing and it is set to sheet output.	X	O	10 ms
763–055	Priority Output Method Setting	2	0–2	Sets whether to prioritize compile output or sheet output relative to 1 sheet 1 set Unstapled Jobs. 0: Compile output 1: Sheet output 2: Auto	X	O	
763–056	Staple Upper Limit Number of Sheets (Paper Feed Length < = 297.0 mm)	50	10–70	Sets the maximum number of sheets for stapling when paper feed length < = 297.0 mm.	O	O	1 sheet
763–057	Staple Upper Limit Number of Sheets (Paper Feed Length > 297.0 mm)	30	10–50	Sets the maximum number of sheets for stapling when paper feed length > 297.0 mm.	O	O	1 sheet
763–058	Running Mode Setting	0	0–1	Select the entire running mode of the Finisher. 0: Normal Mode 1: Silent Mode	O	O	
763–060	Time Increment During Paper Receiving Operation (Paper Feed Length > 216.0 mm)	0	0–255	Time increment for adjustment of the pitch between paper when the preceding paper is a target for eject finishing as well as a supported type for compile output and paper receiving operation.	X	O	10 ms
763–201	Unstapled Compile Tray Stack Upper Limit Number of Sheets (Paper Feed Length < = 216.0 mm)	10	1–50	Sets the maximum number of sheets that can be stacked on the Compile Tray when Unstapled and paper feed length < = 216.0 mm.	X	O	1 sheet

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–202	Unstapled Compile Tray Stack Upper Limit Number of Sheets (Paper Feed Length > 216.0 mm)	5	1–25	Sets the maximum number of sheets that can be stacked on the Compile Tray when Unstapled and paper feed length > 216.0 mm.	X	O	1 sheet
763–205	Trail Edge Compile Time (Unstapled, Paper Feed Length < = 216.0 mm, Weight < 106 gsm)	200	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Unstapled, paper feed length < = 216.0 mm, weight < 106 gsm".	O	O	1 ms
763–206	Trail Edge Compile Time (Unstapled, Paper Feed Length < = 216.0 mm, 106 gsm < = Weight < 170 gsm)	200	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Unstapled, paper feed length < = 216.0 mm, 106 gsm < = weight < 170 gsm".	O	O	1 ms
763–207	Trail Edge Compile Time (Unstapled, Paper Feed Length < = 216.0 mm, 170 gsm < = Weight)	200	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Unstapled, paper feed length < = 216.0 mm, 170 gsm < = weight".	O	O	1 ms
763–208	Trail Edge Compile Time (Unstapled, 216.0 mm < Paper Feed Length < = 297.0 mm, Weight < 106 gsm)	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Unstapled, 216.0 mm < paper feed length < = 297.0 mm, weight < 106 gsm".	O	O	1 ms
763–209	Trail Edge Compile Time (Unstapled, 216.0 mm < Paper Feed Length < = 297.0 mm, 106 gsm < = Weight < 170 gsm)	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Unstapled, 216.0 mm < paper feed length < = 297.0 mm, 106 gsm < = weight < 170 gsm".	O	O	1 ms
763–210	Trail Edge Compile Time (Unstapled, 216.0 mm < Paper Feed Length < = 297.0 mm, 170 gsm < = Weight)	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Unstapled, 216.0 mm < paper feed length < = 297.0 mm, 170 gsm < = weight".	O	O	1 ms
763–211	Trail Edge Compile Time (Unstapled, 297.0 mm < Paper Feed Length < = 364.0 mm, Weight < 106 gsm)	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Unstapled, 297.0 mm < paper feed length < = 364.0 mm, weight < 106 gsm".	O	O	1 ms
763–212	Trail Edge Compile Time (Unstapled, 297.0 mm < Paper Feed Length < = 364.0 mm, 106 gsm < = Weight < 170 gsm)	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Unstapled, 297.0 mm < paper feed length < = 364.0 mm, 106 gsm < = weight < 170 gsm".	O	O	1 ms
763–213	Trail Edge Compile Time (Unstapled, 297.0 mm < Paper Feed Length < = 364.0 mm, 170 gsm < = Weight)	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Unstapled, 297.0 mm < paper feed length < = 364.0 mm, 170 gsm < = weight".	O	O	1 ms
763–214	Trail Edge Compile Time (Unstapled, 364.0 mm < Paper Feed Length, Weight < 106 gsm)	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Unstapled, 364.0 mm < paper feed length, weight < 106 gsm".	O	O	1 ms

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–215	Trail Edge Compile Time (Unstapled, 364.0 mm < Paper Feed Length, 106 gsm < = Weight < 170 gsm)	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Unstapled, 364.0 mm < paper feed length, 106 gsm < = weight < 170 gsm".	O	O	1 ms
763–216	Trail Edge Compile Time (Unstapled, 364.0 mm < Paper Feed Length, 170 gsm < = Weight)	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Unstapled, 364.0 mm < paper feed length, 170 gsm < = weight".	O	O	1 ms
763–217	Trail Edge Compile Time (Other than Unstapled, Paper Feed Length < = 216.0 mm, Weight < 106 gsm)	200	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Other than Unstapled, paper feed length < = 216.0 mm, weight < 106 gsm".	O	O	1 ms
763–218	Trail Edge Compile Time (Other than Unstapled, Paper Feed Length < = 216.0 mm, 106 gsm < = Weight < 170 gsm)	200	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Other than Unstapled, paper feed length < = 216.0 mm, 106 gsm < = weight < 170 gsm".	O	O	1 ms
763–219	Trail Edge Compile Time (Other than Unstapled, Paper Feed Length < = 216.0 mm, 170 gsm < = Weight)	200	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Other than Unstapled, paper feed length < = 216.0 mm, 170 gsm < = weight".	O	O	1 ms
763–220	Trail Edge Compile Time (Other than Unstapled, 216.0 mm < Paper Feed Length < = 297.0 mm, Weight < 106 gsm)	520	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Other than Unstapled, 216.0 mm < paper feed length < = 297.0 mm, weight < 106 gsm".	O	O	1 ms
763–221	Trail Edge Compile Time (Other than Unstapled, 216.0 mm < Paper Feed Length < = 297.0 mm, 106 gsm < = Weight < 170 gsm)	520	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Other than Unstapled, 216.0 mm < paper feed length < = 297.0 mm, 106 gsm < = weight < 170 gsm".	O	O	1 ms
763–222	Trail Edge Compile Time (Other than Unstapled, 216.0 mm < Paper Feed Length < = 297.0 mm, 170 gsm < = Weight)	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Other than Unstapled, 216.0 mm < paper feed length < = 297.0 mm, 170 gsm < = weight".	O	O	1 ms
763–223	Trail Edge Compile Time (Other than Unstapled, 297.0 mm < Paper Feed Length < = 364.0 mm, Weight < 106 gsm)	520	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Other than Unstapled, 297.0 mm < paper feed length < = 364.0 mm, weight < 106 gsm".	O	O	1 ms
763–224	Trail Edge Compile Time (Other than Unstapled, 297.0 mm < Paper Feed Length < = 364.0 mm, 106 gsm < = Weight < 170 gsm)	520	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Other than Unstapled, 297.0 mm < paper feed length < = 364.0 mm, 106 gsm < = weight < 170 gsm".	O	O	1 ms
763–225	Trail Edge Compile Time (Other than Unstapled, 297.0 mm < Paper Feed	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll	O	O	1 ms

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
	Length < = 364.0 mm, 170 gsm < = Weight)			when "Other than Unstapled, 297.0 mm < paper feed length < = 364.0 mm, 170 gsm < = weight".			
763–226	Trail Edge Compile Time (Other than Unstapled, 364.0 mm < Paper Feed Length, Weight < 106 gsm)	520	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Other than Unstapled, 364.0 mm < paper feed length, weight < 106 gsm".	O	O	1 ms
763–227	Trail Edge Compile Time (Other than Unstapled, 364.0 mm < Paper Feed Length, 106 gsm < = Weight < 170 gsm)	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Other than Unstapled, 364.0 mm < paper feed length, 106 gsm < = weight < 170 gsm".	O	O	1 ms
763–228	Trail Edge Compile Time (Other than Unstapled, 364.0 mm < Paper Feed Length, 170 gsm < = Weight)	300	0–1000	The time required by the paper trailing edge to reach the End Wall after it has left the Compile Exit Roll when "Other than Unstapled, 364.0 mm < paper feed length, 170 gsm < = weight".	O	O	1 ms
763–230	Overlap Time Adjustment during Eject Clamp Down	80	0–255	Sets the overlap time for eject operation and offset operation.	X	O	1 ms
763–231	Tamper Release Start Wait Margin Settings (Paper Feed Length < = 216.0 mm)	50	0–5000	Sets the tamper release operation start wait margin when paper feed length < = 216.0 mm.	O	O	1 ms
763–232	Tamper Release Start Wait Margin Settings (216.0 mm < Paper Feed Length < = 297.0 mm)	50	0–5000	Sets the tamper release operation start wait margin when 216.0 mm < paper feed length < = 297.0 mm.	O	O	1 ms
763–233	Tamper Release Start Wait Margin Settings (297.0 mm < Paper Feed Length)	50	0–5000	Sets the tamper release operation start wait margin when 297.0 mm < paper feed length.	O	O	1 ms
763–251	Staples Position Adjustment Value (Front Staple)	15	-20–20	Adjusts the staples position for Front Staple.	X	O	0.1 mm
763-252	Staples Position Adjustment Value (Rear Staple)	0	-20–20	Adjusts the staples position for Rear Staple.	X	O	0.1 mm
763–253	Staples Position Adjustment Value (Dual Staple)	15	0–20	Adjusts the staples position for Dual Staple.	X	O	0.1 mm
763–254	Tamping Operation Pushing Side Wait Time	10	0–30	Sets the time to delay the completion of operation at the pushing side tamper relative to the receiving side tamper during the tamping operation.	X	O	1 ms
763–255	Tamping Operation Pushing Amount Adjustment Value (Front Staple)	5	-10–10	Adjusts the pushing amount for tamping operation during Front Staple.	X	O	1 pulse
763–256	Tamping Operation Pushing Amount Adjustment Value (Rear Straight Staple)	5	-10–10	Adjusts the pushing amount for tamping operation during Rear Staple.	X	O	1 pulse

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–257	Tamping Operation Pushing Amount Adjustment Value (Dual Staple)	5	-10–10	Adjusts the pushing amount for tamping operation during Dual Staple.	X	O	1 pulse
763–258	Eject Tamping Compile Operation Number of Repetitions (Unstapled, Paper Feed Length < = 216.0 mm)	0	0–2	Sets the number of times to repeat the eject tamping compile operation when Unstapled and paper feed length < = 216.0 mm.	X	O	1 time
763–259	Eject Tamping Compile Operation Number of Repetitions (Unstapled, Paper Feed Length > 216.0 mm)	0	0–2	Sets the number of times to repeat the eject tamping compile operation when Unstapled and paper feed length > 216.0 mm.	X	O	1 time
763–260	Eject Tamping Compile Operation Number of Repetitions (Other than Unstapled, Paper Feed Length < = 216.0 mm)	1	0–2	Sets the number of times to repeat the eject tamping compile operation when other than Unstapled and paper feed length < = 216.0 mm.	X	O	1 time
763–261	Eject Tamping Compile Operation Number of Repetitions (Other than Unstapled, Paper Feed Length > 216.0 mm)	1	0–2	Sets the number of times to repeat the eject tamping compile operation when other than Unstapled and paper feed length > 216.0 mm.	X	O	1 time
763–262	Offset Operation Profile (Paper Feed Length < = 216.0 mm, 10 Sheets or Fewer Stacked in Compile Tray)	0	0–1	Sets the offset operation profile when paper feed length < = 216.0 mm and number of sheets is 10 or fewer. 0: High Speed Profile 1: Low Speed Profile	X	O	
763–313	Staple Position Adjustment (Front)	0	-40–40	Adjusts the Front Staple position.	X	O	1 pulse
763–314	Staple Position Adjustment (Rear Straight)	0	-40–40	Adjusts the Rear Straight Staple position.	X	O	1 pulse
763–315	Staple Position Adjustment (Dual 2 Position)	-5	-5–10	Adjusts the Dual Staple Dual 2 position (rear staples position).	X	O	1 pulse
763–316	Staple Position Adjustment (Dual 1 Position)	-5	-9–10	Adjusts the Dual Staple Dual 1 position (front staples position).	X	O	1 pulse
763–319	Stacker Stapler Near Low Detection Count	0	0–5100	Stores the Staple count for Near Low Staple detection.	X	O	1 time
763–320	Stacker Stapler Near Low Detection Threshold	4500	4500–5000	Near Low Staple detection threshold value. When the Stacker Stapler Near Low detection count has exceeded this threshold value, Near Low Staple will be detected.	X	O	1 time
763–359	Sub Paddle Down Amount (Uncoated G, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, Paper Stack Height <= 1.000 mm)	230	30–255	Sub Paddle Down Amount when "Uncoated Paper Group, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, and Paper Stack Height <= 1.000mm".	O	O	1 pulse

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–360	Sub Paddle Down Amount (Un-coated G, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, 1.000 mm < Paper Stack Height <= 2.000 mm)	214	30–255	Sub Paddle Down Amount when "Uncoated Paper Group, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, and 1.000 mm < Paper Stack Height <= 2.000 mm".	O	O	1 pulse
763–361	Sub Paddle Down Amount (Un-coated G, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, 2.000 mm < Paper Stack Height <= 3.000 mm)	200	30–255	Sub Paddle Down Amount when "Uncoated Paper Group, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, and 2.000 mm < Paper Stack Height <= 3.000 mm".	O	O	1 pulse
763–362	Sub Paddle Down Amount (Un-coated G, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, 3.000 mm < Paper Stack Height <= 4.000 mm)	186	30–255	Sub Paddle Down Amount when "Uncoated Paper Group, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, and 3.000 mm < Paper Stack Height <= 4.000 mm".	O	O	1 pulse
763–363	Sub Paddle Down Amount (Un-coated G, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, 4.000 mm < Paper Stack Height <= 5.000 mm)	174	30–255	Sub Paddle Down Amount when "Uncoated Paper Group, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, and 4.000 mm < Paper Stack Height <= 5.000 mm".	O	O	1 pulse
763–364	Sub Paddle Down Amount (Un-coated G, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, 5.000 mm < Paper Stack Height <= 6.000 mm)	162	30–255	Sub Paddle Down Amount when "Uncoated Paper Group, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, and 5.000 mm < Paper Stack Height <= 6.000 mm".	O	O	1 pulse
763–365	Sub Paddle Down Amount (Un-coated G, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, 6.000 mm < Paper Stack Height)	152	30–255	Sub Paddle Down Amount when "Uncoated Paper Group, less than 106 gsm, 210.0 mm < Paper Feed Length <= 216.0 mm, and 6.000 mm < Paper Stack Height".	O	O	1 pulse
763–366	Sub Paddle Down Amount (Un-coated G, less than 106 gsm, Paper Feed Length > 216.0 mm, Paper Stack Height <= 1.000 mm)	230	30–255	Sub Paddle Down Amount when "Uncoated Paper Group, less than 106 gsm, Paper Feed Length > 216.0 mm, and Paper Stack Height <= 1.000mm".	O	O	1 pulse
763–367	Sub Paddle Down Amount (Un-coated G, less than 106 gsm, Paper Feed Length > 216.0 mm, 1.000 mm < Paper Stack Height <= 2.000 mm)	214	30–255	Sub Paddle Down Amount when "Uncoated Paper Group, less than 106 gsm, Paper Feed Length > 216.0mm, and 1.000 mm < Paper Stack Height <= 2.000 mm".	O	O	1 pulse
763–368	Sub Paddle Down Amount (Un-coated G, less than 106 gsm, Paper Feed Length > 216.0 mm, 2.000 mm < Paper Stack Height <= 3.000 mm)	200	30–255	Sub Paddle Down Amount when "Uncoated Paper Group, less than 106 gsm, Paper Feed Length > 216.0mm, and 2.000 mm < Paper Stack Height <= 3.000 mm".	O	O	1 pulse

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–369	Eject Clamp Down Complete Wait Time	32	10–255	The wait time until the completion of Eject Clamp down after the Eject Motor had stopped during the Eject Clamp down operation in sheet eject positioning operation and eject operation.	X	O	1 ms
763–370	Paper Thickness Adjustment Value (Uncoated G, 106 gsm < = Paper Weight < 170 gsm)	0	-100–100	The paper thickness adjustment value when "Uncoated Group, 106 gsm < = paper weight < 170 gsm".	O	O	0.001 mm
763–371	Paper Thickness Adjustment Value (Uncoated G, 170 gsm < = Paper Weight)	0	-100–100	The paper thickness adjustment value when "Uncoated Group, 170 gsm < = paper weight".	O	O	0.001 mm
763–372	Paper Thickness Adjustment Value (Coated G, 106 gsm < = Paper Weight < 170 gsm)	20	-90–100	The paper thickness adjustment value when "Coated Group, 106 gsm < = paper weight < 170 gsm".	O	O	0.001 mm
763–373	Paper Thickness Adjustment Value (Coated G, 170 gsm < = Paper Weight)	30	-100–100	The paper thickness adjustment value when "Coated Group, 170 gsm < = paper weight".	O	O	0.001 mm
763–374	Substitute Weight when Paper Weight is Unknown	150	52–256	The weight value used for deciding the Sub Paddle Down Amount/Sub Paddle Down Time in the compile operation when the Paper Weight is unknown.	O	O	1 gsm
763–375	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, Paper Stack Height < = 1.000 mm)	230	30–255	The Sub Paddle Down Amount when "Uncoated Group, lighter than 106 gsm, paper stack height < = 1.000 mm".	O	O	1 pulse
763–376	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, 1.000 mm < Paper Stack Height < = 2.000 mm)	214	30–255	The Sub Paddle Down Amount when "Uncoated Group, lighter than 106 gsm, 1.000 mm < paper stack height < = 2.000 mm".	O	O	1 pulse
763–377	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, 2.000 mm < Paper Stack Height < = 3.000 mm)	200	30–255	The Sub Paddle Down Amount when "Uncoated Group, lighter than 106 gsm, 2.000 mm < paper stack height < = 3.000 mm".	O	O	1 pulse
763–378	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, 3.000 mm < Paper Stack Height < = 4.000 mm)	186	30–255	The Sub Paddle Down Amount when "Uncoated Group, lighter than 106 gsm, 3.000 mm < paper stack height < = 4.000 mm".	O	O	1 pulse
763–379	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, 4.000 mm < Paper Stack Height < = 5.000 mm)	174	30–255	The Sub Paddle Down Amount when "Uncoated Group, lighter than 106 gsm, 4.000 mm < paper stack height < = 5.000 mm".	O	O	1 pulse
763–380	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, 5.000 mm < Paper Stack Height < = 6.000 mm)	162	30–255	The Sub Paddle Down Amount when "Uncoated Group, lighter than 106 gsm, 5.000 mm < paper stack height < = 6.000 mm".	O	O	1 pulse

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–381	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, 6.000 mm < Paper Stack Height)	152	30–255	The Sub Paddle Down Amount when "Uncoated Group, lighter than 106 gsm, 6.000 mm < paper stack height".	O	O	1 pulse
763–382	Sub Paddle Down Amount (Uncoated G, 106 gsm or Heavier, Paper Stack Height < = 1.000 mm)	230	30–255	The Sub Paddle Down Amount when "Uncoated Group, 106 gsm or heavier, paper stack height < = 1.000 mm".	O	O	1 pulse
763–383	Sub Paddle Down Amount (Uncoated G, 106 gsm or Heavier, 1.000 mm < Paper Stack Height < = 2.000 mm)	214	30–255	The Sub Paddle Down Amount when "Uncoated Group, 106 gsm or heavier, 1.000 mm < paper stack height < = 2.000 mm".	O	O	1 pulse
763–384	Sub Paddle Down Amount (Uncoated G, 106 gsm or Heavier, 2.000 mm < Paper Stack Height < = 3.000 mm)	200	30–255	The Sub Paddle Down Amount when "Uncoated Group, 106 gsm or heavier, 2.000 mm < paper stack height < = 3.000 mm".	O	O	1 pulse
763–385	Sub Paddle Down Amount (Uncoated G, 106 gsm or Heavier, 3.000 mm < Paper Stack Height < = 4.000 mm)	186	30–255	The Sub Paddle Down Amount when "Uncoated Group, 106 gsm or heavier, 3.000 mm < paper stack height < = 4.000 mm".	O	O	1 pulse
763–386	Sub Paddle Down Amount (Uncoated G, 106 gsm or Heavier, 4.000 mm < Paper Stack Height < = 5.000 mm)	174	30–250	The Sub Paddle Down Amount when "Uncoated Group, 106 gsm or heavier, 4.000 mm < paper stack height < = 5.000 mm".	O	O	1 pulse
763–387	Sub Paddle Down Amount (Uncoated G, 106 gsm or Heavier, 5.000 mm < Paper Stack Height < = 6.000 mm)	162	30–255	The Sub Paddle Down Amount when "Uncoated Group, 106 gsm or heavier, 5.000 mm < paper stack height < = 6.000 mm".	O	O	1 pulse
763–388	Sub Paddle Down Amount (Uncoated G, 106 gsm or Heavier, 6.000 mm < Paper Stack Height)	152	30–255	The Sub Paddle Down Amount when "Uncoated Group, 106 gsm or heavier, 6.000 mm < paper stack height".	O	O	1 pulse
763–389	Sub Paddle Down Amount (Coated G, Lighter than 106 gsm, Paper Stack Height < = 1.000 mm)	230	30–255	The Sub Paddle Down Amount when "Coated Group, lighter than 106 gsm, paper stack height < = 1.000 mm".	O	O	1 pulse
763–390	Sub Paddle Down Amount (Coated G, Lighter than 106 gsm, 1.000 mm < Paper Stack Height < = 2.000 mm)	214	30–255	The Sub Paddle Down Amount when "Coated Group, lighter than 106 gsm, 1.000 mm < paper stack height < = 2.000 mm".	O	O	1 pulse
763–391	Sub Paddle Down Amount (Coated G, Lighter than 106 gsm, 2.000 mm < Paper Stack Height < = 3.000 mm)	200	30–255	The Sub Paddle Down Amount when "Coated Group, lighter than 106 gsm, 2.000 mm < paper stack height < = 3.000 mm".	O	O	1 pulse
763–392	Sub Paddle Down Amount (Coated G, Lighter than 106 gsm, 3.000 mm < Paper Stack Height	186	30–255	The Sub Paddle Down Amount when "Coated Group, lighter than 106 gsm, 3.000 mm < paper stack height < = 4.000 mm".	O	O	1 pulse

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
	< = 4.000 mm)						
763–393	Sub Paddle Down Amount (Coated G, Lighter than 106 gsm, 4.000 mm < Paper Stack Height < = 5.000 mm)	174	30–255	The Sub Paddle Down Amount when "Coated Group, lighter than 106 gsm, 4.000 mm < paper stack height < = 5.000 mm".	O	O	1 pulse
763–394	Sub Paddle Down Amount (Coated G, Lighter than 106 gsm, 5.000 mm < Paper Stack Height < = 6.000 mm)	162	30–255	The Sub Paddle Down Amount when "Coated Group, lighter than 106 gsm, 5.000 mm < paper stack height < = 6.000 mm".	O	O	1 pulse
763–395	Sub Paddle Down Amount (Coated G, Lighter than 106 gsm, 6.000 mm < Paper Stack Height)	152	30–255	The Sub Paddle Down Amount when "Coated Group, lighter than 106 gsm, 6.000 mm < paper stack height".	O	O	1 pulse
763–396	Sub Paddle Down Amount (Coated G, 106 gsm or Heavier, Paper Stack Height < = 1.000 mm)	230	30–255	The Sub Paddle Down Amount when "Coated Group, 106 gsm or heavier, paper stack height < = 1.000 mm".	O	O	1 pulse
763–397	Sub Paddle Down Amount (Coated G, 106 gsm or Heavier, 1.000 mm < Paper Stack Height < = 2.000 mm)	214	30–255	The Sub Paddle Down Amount when "Coated Group, 106 gsm or heavier, 1.000 mm < paper stack height < = 2.000 mm".	O	O	1 pulse
763–398	Sub Paddle Down Amount (Coated G, 106 gsm or Heavier, 2.000 mm < Paper Stack Height < = 3.000 mm)	200	30–255	The Sub Paddle Down Amount when "Coated Group, 106 gsm or heavier, 2.000 mm < paper stack height < = 3.000 mm".	O	O	1 pulse
763–399	Sub Paddle Down Amount (Coated G, 106 gsm or Heavier, 3.000 mm < Paper Stack Height < = 4.000 mm)	186	30–255	The Sub Paddle Down Amount when "Coated Group, 106 gsm or heavier, 3.000 mm < paper stack height < = 4.000 mm".	O	O	1 pulse
763–400	Sub Paddle Down Amount (Coated G, 106 gsm or Heavier, 4.000 mm < Paper Stack Height < = 5.000 mm)	174	30–255	The Sub Paddle Down Amount when "Coated Group, 106 gsm or heavier, 4.000 mm < paper stack height < = 5.000 mm".	O	O	1 pulse
763–401	Sub Paddle Down Amount (Coated G, 106 gsm or Heavier, 5.000 mm < Paper Stack Height < = 6.000 mm)	162	30–255	The Sub Paddle Down Amount when "Coated Group, 106 gsm or heavier, 5.000 mm < paper stack height < = 6.000 mm".	O	O	1 pulse
763–402	Sub Paddle Down Amount (Coated G, 106 gsm or Heavier, 6.000 mm < Paper Stack Height)	152	30–255	The Sub Paddle Down Amount when "Coated Group, 106 gsm or heavier, 6.000 mm < paper stack height".	O	O	1 pulse
763–403	Sub Paddle Down Time (Paper Feed Length < = 216.0 mm, Weight < 106 gsm)	57	20–1000	The Sub Paddle Down Time when "paper feed length < = 216.0 mm, weight < 106 gsm".	O	O	1 ms
763–404	Sub Paddle Down Time (Paper Feed Length < = 216.0 mm, 106 gsm < = Weight < 170 gsm)	180	20–1000	The Sub Paddle Down Time when "paper feed length < = 216.0 mm, 106 gsm < = weight < 170 gsm".	O	O	1 ms

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–405	Sub Paddle Down Time (Paper Feed Length < = 216.0 mm, 170 gsm < = Weight)	200	20–1000	The Sub Paddle Down Time when "paper feed length < = 216.0 mm, 170 gsm < = weight".	O	O	1 ms
763–406	Sub Paddle Down Time (216.0 mm < Paper Feed Length < = 297.0 mm, Weight < 106 gsm)	90	20–1000	The Sub Paddle Down Time when "216.0 mm < paper feed length < = 297.0 mm, weight < 106 gsm".	O	O	11 ms
763–407	Sub Paddle Down Time (216.0 mm < Paper Feed Length < = 297.0 mm, 106 gsm < = Weight < 170 gsm)	180	20–1000	The Sub Paddle Down Time when "216.0 mm < paper feed length < = 297.0 mm, 106 gsm < = weight < 170 gsm".	O	O	1 ms
763–408	Sub Paddle Down Time (216.0 mm < Paper Feed Length < = 297.0 mm, 170 gsm < = Weight)	500	20–1000	The Sub Paddle Down Time when "216.0 mm < paper feed length < = 297.0 mm, 170 gsm < = weight".	O	O	1 ms
763–409	Sub Paddle Down Time (297.0 mm < Paper Feed Length < = 364.0 mm, Weight < 106 gsm)	90	20–1000	The Sub Paddle Down Time when "297.0 mm < paper feed length < = 364.0 mm, weight < 106 gsm".	O	O	1 ms
763–410	Sub Paddle Down Time (297.0 mm < Paper Feed Length < = 364.0 mm, 106 gsm < = Weight < 170 gsm)	180	20–1000	The Sub Paddle Down Time when "297.0 mm < paper feed length < = 364.0 mm, 106 gsm < = weight < 170 gsm".	O	O	1 ms
763–411	Sub Paddle Down Time (297.0 mm < Paper Feed Length < = 364.0 mm, 170 gsm < = Weight)	500	20–1000	The Sub Paddle Down Time when "297.0 mm < paper feed length < = 364.0 mm, 170 gsm < = weight".	O	O	1 ms
763–412	Sub Paddle Down Time (364.0 mm < Paper Feed Length, Weight < 106 gsm)	90	20–1000	The Sub Paddle Down Time when "364.0 mm < paper feed length, weight < 106 gsm".	O	O	1 ms
763–413	Sub Paddle Down Time (364.0 mm < Paper Feed Length, 106 gsm < = Weight < 170 gsm)	500	20–1000	The Sub Paddle Down Time when "364.0 mm < paper feed length, 106 gsm < = weight < 170 gsm".	O	O	1 ms
763–414	Sub Paddle Down Time (364.0 mm < Paper Feed Length, 170 gsm < = Weight)	500	20–1000	The Sub Paddle Down Time when "364.0 mm < paper feed length, 170 gsm < = weight".	O	O	1 ms
763–417	Eject Clamp Up Movement Amount Adjustment Value	0	-87–127	Adjusts the movement amount of Eject Clamp up operation.	X	O	1 pulse
763–418	Eject Operation Output Speed High (Paper Feed Length < = 216.0 mm)	600	150–600	The High output speed in eject operation when "compile number of sheets < = 10 sheets, paper feed length < = 216.0 mm".	X	O	1 mm/s
763–419	High eject operation output speed (216.0mm < paper feed length <= 420.0mm, paper feed length >	500	150–600	High output speed in eject operation when "216.0mm < paper feed length <= 420.0mm, paper feed length > 420.0mm, and compile number of sheets is 10 or less".	X	O	1 mm/s

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
	420.0mm, and compile number of sheets is 10 or less)						
763–424	Low eject operation output speed (VLu25)	100	50–600	Low output speed (VLu25) for eject operation when, Unstapled, compile number of sheets > 3, 216.0 mm < Paper Feed Length <= 420.0 mm, weight >= 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–425	Low eject operation output speed (VLu26)	100	50–600	Low output speed (VLu26) for eject operation when, Unstapled, compile number of sheets > 3, 216.0 mm < Paper Feed Length <= 420.0 mm, weight >= 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–426	High eject operation output speed (Paper Feed Length > 420.0 mm, and compile number of sheets exceeds 10)	225	150–600	High output speed in eject operation when "Paper Feed Length > 420.0 mm, and compile number of sheets exceeds 10".	X	O	1 mm/s
763–427	Low eject operation output speed (VLu27)	100	50–600	Low output speed (VLu27) for eject operation when, Unstapled, compile number of sheets > 3, 216.0 mm < Paper Feed Length <= 420.0 mm, weight >= 106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–428	Low eject operation output speed (VLu28)	100	50–600	Low output speed (VLu28) for eject operation when, Unstapled, compile number of sheets > 3, 216.0 mm < Paper Feed Length <= 420.0 mm, weight >= 106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–429	Eject Operation Output Speed Low (VLu1)	250	50–600	Low output speed (VLu1) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, Paper Feed Length <= 216.0 mm, weight < 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–430	Eject Operation Output Speed Low (VLu2)	250	50–600	Low output speed (VLu2) for eject operation under the conditions shown below.	O	O	1 mm/s

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
				When "Unstapled, compile number of sheets <= 3, Paper Feed Length <= 216.0 mm, weight < 106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".			
763–431	Eject Operation Output Speed Low (VLu3)	150	50–600	Low output speed (VLu3) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, Paper Feed Length <= 216.0 mm, weight >= 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–432	Eject Operation Output Speed Low (VLu4)	190	50–600	Low output speed (VLu4) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, Paper Feed Length <= 216.0 mm, weight >= 106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–433	Eject Operation Output Speed Low (VLu5)	250	50–600	Low output speed (VLu5) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, 216.0 mm < Paper Feed Length <= 420.0 mm, weight < 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–434	Eject Operation Output Speed Low (VLu6)	250	50–600	Low output speed (VLu6) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, 216.0 mm < Paper Feed Length <= 420.0 mm, weight < 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–435	Eject Operation Output Speed Low (VLu7)	250	50–600	Low output speed (VLu7) for eject operation under the conditions shown below.	O	O	1 mm/s

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
				When "Unstapled, compile number of sheets <= 3, 216.0 mm < Paper Feed Length <= 420.0 mm, weight < 106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".			
763–436	Eject Operation Output Speed Low (VLu8)	250	50–600	Low output speed (VLu8) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, 216.0 mm < Paper Feed Length <= 420.0 mm, weight < 106 gsm, Stacker Cart current position > Low speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–437	Eject Operation Output Speed Low (VLu9)	100	50–600	Low output speed (VLu9) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, 216.0 mm < Paper Feed Length <= 420.0 mm, weight >= 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–438	Eject Operation Output Speed Low (VLu10)	100	50–600	Low output speed (VLu10) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, 216.0 mm < Paper Feed Length <= 420.0 mm, weight >= 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–439	Eject Operation Output Speed Low (VLu11)	100	50–600	Low output speed (VLu11) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, 216.0 mm < Paper Feed Length <= 420.0 mm, weight	O	O	1 mm/s

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
				>= 106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".			
763–440	Eject Operation Output Speed Low (VLu12)	100	50–600	Low output speed (VLu12) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, 216.0 mm < Paper Feed Length <= 420.0 mm, weight >= 106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–441	Eject Operation Output Speed Low (VLs1)	250	50–600	Low output speed (VLs1) for eject operation under the conditions shown below. When "Stapled, compile number of sheets <= 10, Paper Feed Length <= 216.0 mm, weight < 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–442	Eject Operation Output Speed Low (VLs2)	250	50–600	Low output speed (VLs2) for eject operation under the conditions shown below. When "Stapled, compile number of sheets <= 10, Paper Feed Length <= 216.0 mm, weight < 106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–443	Low eject operation output speed (VLu29)	150	50–600	Low output speed (VLu29) for eject operation when, Unstapled, 3 < compile number of sheets <= 6, Paper Feed Length > 420.0 mm, weight <106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–444	Low eject operation output speed (VLu30)	150	50–600	Low output speed (VLu30) for eject operation when, Unstapled, 3 < compile number of sheets <= 6, Paper Feed Length > 420.0 mm, weight <106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–445	Eject Operation Output Speed Low (VLs5)	100	50–600	Low output speed (VLs5) for eject operation under the conditions shown below. When "Stapled, compile number of sheets <= 10, Paper Feed Length <= 216.0 mm, weight >= 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–446	Low eject operation output speed (VLu31)	150	50–600	Low output speed (VLu31) for eject operation when, Unstapled, 3 < compile number of sheets <= 6, Paper Feed Length > 420.0 mm, weight <106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–447	Eject Operation Output Speed Low (VLs7)	100	50–600	Low output speed (VLs7) for eject operation under the conditions shown below. When "Stapled, compile number of sheets <= 10, Paper Feed Length <= 216.0 mm, weight >= 106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–448	Low eject operation output speed (VLu32)	150	50–600	Low output speed (VLu32) for eject operation when, Unstapled, 3 < compile number of sheets <= 6, Paper Feed Length > 420.0 mm, weight <106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–449	Eject Operation Output Speed Low (VLs9)	200	50–600	Low output speed (VLs9) for eject operation under the conditions shown below. When "Stapled, compile number of sheets <= 10, 216.0 mm < Paper Feed Length <= 297.0 mm, weight < 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–450	Eject Operation Output Speed Low (VLs10)	200	50–600	Low output speed for eject operation under the conditions shown below. When "Stapled, compile number of sheets <= 10, 216.0 mm < Paper Feed Length <= 297.0 mm, weight < 106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–451	Low eject operation output speed (VLu33)	200	50–600	Low output speed (VLu33) for eject operation when, Unstapled, 6 < compile number of sheets, Paper Feed Length <= 210.0 mm, weight <106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–452	Low eject operation output speed (VLu34)	160	50–600	Low output speed (VLu34) for eject operation when, Unstapled, 6 < compile number of sheets, Paper Feed Length <= 210.0 mm, weight <106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–453	Eject Operation Output Speed Low (VLs13)	100	50–600	Low output speed for eject operation under the conditions shown below. When "Stapled, compile number of sheets <= 10, 216.0 mm < Paper Feed Length <= 297.0 mm, weight >= 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–454	Low eject operation output speed (VLu35)	150	50–600	Low output speed for eject operation when, Unstapled, 6 < compile number of sheets, Paper Feed Length <= 210.0 mm, weight >=106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–455	Eject Operation Output Speed Low (VLs15)	100	50–600	Low output speed for eject operation under the conditions shown below. When "Stapled, compile number of sheets <= 10, 216.0 mm < Paper Feed Length <= 297.0 mm, weight >= 106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–456	Low eject operation output speed (VLu36)	150	50–600	Low output speed (VLu36) for eject operation when, Unstapled, 6 < compile number of sheets, Paper Feed Length <= 210.0 mm, weight >=106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–457	Eject Operation Output Speed Low (VLs17)	220	50–600	Low output speed (VLs17) for eject operation under the conditions shown below. When "Stapled, compile number of sheets <= 10, 297.0 mm < Paper Feed Length, weight < 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–458	Eject Operation Output Speed Low (VLs24)	100	50–600	Low output speed (VLs24) for eject operation under the conditions shown below. When "Stapled, compile number of sheets <= 10, 297.0 mm < Paper Feed Length, weight >= 106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–459	Shelf/Set Clamp Pull In Start Timing (Compile Output)	32	0–255	The time until the Eject Cam Clutch turns ON after the start of output operation in eject operation.	X	O	1 mm/s
763–460	Shelf/Set Clamp Push Out Stat Wait Time (Compile Output, Paper Feed Length < = 216.0 mm)	31	0–255	Sets the Shelf/Set Clamp push out operation start timing in eject operation when paper feed length < = 216.0 mm.	O	O	10 ms
763–461	Shelf/Set Clamp Push Out Stat Wait Time (Compile Output, Paper Feed Length > 216.0 mm)	33	0–255	Sets the Shelf/Set Clamp push out operation start timing in eject operation when paper feed length > 216.0 mm.	O	O	10 ms
763–464	Low eject operation output speed (VLu37)	200	50–600	Low output speed (VLu37) for eject operation when, Unstapled, 6 < compile number of sheets, 210.0 mm < Paper Feed Length <= 216.0 mm, weight <106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–465	Low eject operation output speed (VLu38)	100	50–600	Low output speed (VLu38) for eject operation when, Unstapled, 6 < compile number of sheets, 210.0 mm < Paper Feed Length <= 216.0 mm, weight <106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–466	Low eject operation output speed (VLu39)	150	50–600	Low output speed (VLu39) for eject operation when, Unstapled, 6 < compile number of sheets, 210.0 mm < Paper Feed Length <= 216.0 mm, weight >=106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–467	Low eject operation output speed (VLu40)	150	50–600	Low output speed (VLu40) for eject operation when, Unstapled, 6 < compile number of sheets, 210.0 mm < Paper Feed Length <= 216.0 mm, weight >=106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–468	Sheet Output Speed Low (Plain, Paper Feed Length < = 216.0 mm)	300	60–860	The Low output speed in sheet eject operation when "Plain, paper feed length < = 216.0 mm".	O	O	1 mm/s
763–469	Low eject operation output speed (VLs25)	220	50–600	Low output speed for eject operation when, Stapled, Compile number of sheets <= 10, 420.0 mm < Paper Feed Length, weight <106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–470	Sheet Output Speed Low (Plain, Paper Feed Length > 216.0 mm)	290	60–860	The Low output speed in sheet eject operation when "Plain, paper feed length > 216.0 mm".	O	O	1 mm/s
763–472	Sheet Output Speed Low (Other than Plain, Paper Feed Length < = 216.0 mm)	300	60–860	The Low output speed in sheet eject operation when "Other than Plain, paper feed length < = 216.0 mm".	O	O	1 mm/s
763–473	Low eject operation output speed (VLs27)	100	50–600	Low output speed for eject operation when, Stapled, Compile number of sheets <= 10, 420.0 mm < Paper Feed Length, weight >=106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–474	Sheet Output Speed Low (Other than Plain, Paper Feed Length > 216.0 mm)	250	60–860	The Low output speed in sheet eject operation when "Other than Plain, paper feed length > 216.0 mm".	O	O	1 mm/s
763–478	Shelf/Set Clamp Push Out Operation Amount Adjustment Value during Sheet Output	0	–67–127	The NVM for fine adjustment of operation amount for Shelf/Set Clamp push out operation in sheet eject operation.	O	O	1 pulse
763–482	Stacker Output Paper Fall Out Wait Time (Sheet Output, Paper Feed Length < = 216.0 mm)	285	200–1000	Sets the Shelf/Set Clamp push out operation start timing in sheet eject operation when paper feed length < = 216.0 mm. *NOTE:* This sets the time taken for the paper to reach the bank of the High Capacity Stacker-Stacker Cart after it has left the Eject Roll.	O	O	1 ms
763–483	Stacker Output Paper Fall Out Wait Time (Sheet Output, Paper Feed Length > 216.0 mm)	310	200–1000	Sets the Shelf/Set Clamp push out operation start timing in sheet eject operation when paper feed length > 216.0 mm. *NOTE:* This sets the time taken for the paper to reach the bank of the High Capacity Stacker-Stacker Cart after it has left the Eject Roll.	O	O	1 ms
763–484	Eject Clamp Down Position Movement Operation Adjustment Value	0	-30–30	The NVM for adjustment of Eject Cam Clutch ON time of Shelf/Set Clamp push out operation in sheet eject operation.	O	O	1 ms
763–485	Sub Paddle Down Amount (Component)	230	30–255	The Sub Paddle Down Amount when performing the Sub Paddle (Down/ Up) of component control operation.	O	O	1 pulse
763–486	Sub Paddle Down Time (Component)	90	20–1000	The Sub Paddle Down Time when performing the Sub Paddle (Down/ Up) of component control operation.	O	O	1 ms
763–487	Eject Roll Speed (Component)	500	63–628	The Eject Motor drive speed in Eject Motor operation of component control operation.	O	O	1 ms
763–488	Eject Operation Output Speed Low (VLu13)	150	50–600	Low output speed (VLu13) for eject operation under the conditions shown below.	O	O	1 ms

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
				When "Unstapled, compile number of sheets <= 3, Paper Feed Length > 420.0 mm, weight <106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".			
763–489	Eject Operation Output Speed Low (VLu14)	150	50–600	Low output speed (VLu14) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, Paper Feed Length > 420.0 mm, weight < 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 ms
763–490	Eject Operation Output Speed Low (VLu15)	150	50–600	Low output speed (VLu15) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, Paper Feed Length > 420.0 mm, weight <106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 ms
763–491	Eject Operation Output Speed Low (VLu16)	150	50–600	Low output speed (VLu16) for eject operation under the conditions shown below. When "Unstapled, compile number of sheets <= 3, Paper Feed Length > 420.0 mm, weight < 106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 ms
763–492	Eject Operation Output Speed Low (VLu17)	250	50–600	Low output speed (VLu17) for eject operation under the conditions shown below. When "Unstapled, 3 < compile number of sheets <= 6, Paper Feed Length <= 216.0 mm, weight <106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 ms

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–493	Eject Operation Output Speed Low (VLu18)	250	50–600	Low output speed (VLu18) for eject operation under the conditions shown below. When "Unstapled, 3 < compile number of sheets <= 6, Paper Feed Length <= 216.0 mm, weight < 106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 ms
763–494	Eject Operation Output Speed Low (VLs19)	220	50–600	Low output speed (VLs19) for eject operation under the conditions shown below. When "Stapled, compile number of sheets <= 10, 297.0 mm < Paper Feed Length, weight < 106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 ms
763–495	Eject Operation Output Speed Low (VLs23)	100	50–600	Low output speed (VLs23) for eject operation under the conditions shown below. When "Stapled, compile number of sheets <= 10, 297.0 mm < Paper Feed Length, weight >= 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 ms
763–496	Low eject operation output speed (VLs29)	250	50–600	Low output speed (VLs29) for eject operation when, Stapled, 10 < compile number of sheets <= 30, Paper Feed Length <= 216.0 mm, weight <106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–500	Eject Clamp Down High Speed Movement Amount Adjustment Value	27	0–33	Adjusts the High speed movement amount during the Eject Clamp down operation in sheet eject positioning operation and eject operation.	O	O	1 pulse
763–501	Eject Clamp Down Low Speed Movement Amount Adjustment Value	63	0–100	Adjusts the Low speed movement amount during the Eject Clamp down operation in sheet eject positioning operation and eject operation.	O	O	1 pulse
763–502	Shelf/Set Clamp Push Out Operation Mode Threshold	55	1–200	Sets the mode for Shelf/Set Clamp push out operation. • Equal to or higher than setting value: high productivity mode • Lower than setting value: silent mode	O	O	1 ppm
763–503	Sub Paddle Down Amount (Coated Paper Group, 106 gsm or heavier, Paper Stack Height <= 1.000 mm)	214	30–255	Sub Paddle Down Amount when "Coated Paper Group, 106 gsm or heavier, and Paper Stack Height <= 1.000 mm".	O	O	1 pulse

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–504	Sub Paddle Down Amount (Coated Paper Group, 106 gsm or heavier, 1.000 mm < Paper Stack Height <= 2.000 mm)	200	30–255	Sub Paddle Down Amount when "Coated Paper Group, 106 gsm or heavier, and 1.000 mm < Paper Stack Height <= 2.000 mm".	O	O	1 pulse
763–505	Sub Paddle Down Amount (Coated Paper Group, 106 gsm or heavier, 2.000mm < Paper Stack Height <= 3.000mm)	186	30–255	Sub Paddle Down Amount when "Coated Paper Group, 106 gsm or heavier, and 2.000 mm < Paper Stack Height <= 3.000 mm".	O	O	1 pulse
763–506	Sub Paddle Down Amount (Coated Paper Group, 106 gsm or heavier, 3.000mm < Paper Stack Height <= 4.000mm)	174	30–255	Sub Paddle Down Amount when "Coated Paper Group, 106 gsm or heavier, and 3.000 mm < Paper Stack Height <= 4.000 mm".	O	O	1 pulse
763–507	Sub Paddle Down Amount (Coated Paper Group, 106 gsm or heavier, 4.000mm < Paper Stack Height <= 5.000mm)	162	30–255	Sub Paddle Down Amount when "Coated Paper Group, 106 gsm or heavier, and 4.000 mm < Paper Stack Height <= 5.000 mm".	O	O	1 pulse
763–508	Sub Paddle Down Amount (Coated Paper Group, 106 gsm or heavier, 5.000mm < Paper Stack Height <= 6.000mm)	152	30–255	Sub Paddle Down Amount when "Coated Paper Group, 106 gsm or heavier, and 5.000 mm < Paper Stack Height <= 6.000 mm".	O	O	1 pulse
763–509	Sub Paddle Down Amount (Un-coated G, 170 gsm or Heavier, 6.000 mm < Paper Stack height, 216 mm < Paper Feed Length)	142	30–255	Sub Paddle Down Amount when "Coated Paper Group, 106 gsm or heavier, and 5.000 mm < Paper Stack Height <= 6.000 mm".	O	O	1 pulse
763–510	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, Paper Stack Height < = 1.000 mm, 216 mm < Paper Feed Length)	214	30–255	The Sub Paddle Down Amount when "Coated Group, 170 gsm or heavier, paper stack height < = 1.000 mm, 216 mm < paper feed length".	O	O	1 pulse
763–511	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, 1.000 mm < Paper Stack Height < = 2.000 mm, 216 mm < Paper Feed Length)	200	30–255	The Sub Paddle Down Amount when "Coated Group, 170 gsm or heavier, 1.000 mm < paper stack height < = 2.000 mm, 216 mm < paper feed length".	O	O	1 pulse
763–512	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, 2.000 mm < Paper Stack Height < = 3.000 mm, 216 mm < Paper Feed Length)	186	30–255	The Sub Paddle Down Amount when "Coated Group, 170 gsm or heavier, 2.000 mm < paper stack height < = 3.000 mm, 216 mm < paper feed length".	O	O	1 pulse
763–513	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, 3.000 mm < Paper Stack Height < = 4.000 mm, 216 mm < Paper Feed Length)	174	30–255	The Sub Paddle Down Amount when "Coated Group, 170 gsm or heavier, 3.000 mm < paper stack height < = 4.000 mm, 216 mm < paper feed length".	O	O	1 pulse
763–514	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, 4.000 mm < Paper Stack Height < = 5.000 mm, 216 mm < Paper Feed Length)	162	30–255	The Sub Paddle Down Amount when "Coated Group, 170 gsm or heavier, 4.000 mm < paper stack height < = 5.000 mm, 216 mm < paper feed length".	O	O	1 pulse

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–515	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, 5.000 mm < Paper Stack Height < = 6.000 mm, 216 mm < Paper Feed Length)	152	30–255	The Sub Paddle Down Amount when "Coated Group, 170 gsm or heavier, 5.000 mm < paper stack height < = 6.000 mm, 216 mm < paper feed length".	O	O	1 pulse
763–516	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, 6.000 mm < Paper Stack height, 216 mm < Paper Feed Length)	142	30–255	The Sub Paddle Down Amount when "Coated Group, 170 gsm or heavier, 6.000 mm < paper stack height, 216 mm < paper feed length".	O	O	1 pulse
763–517	Purge Target Paper Sub Paddle Down Time Adjustment Coefficient	100	0–100	The Sub Paddle Down Time Adjustment Coefficient of paper that is a target for purge.	O	O	1 %
763–520	Weight for switching eject clamp down operation	105	50–255	Switches on/off noise countermeasure operation of the eject clamp down operation in the eject operation according to the weight of the paper to be compiled.	O	O	1 gsm
763–521	High eject operation output speed (paper feed length > 420.0mm, and compile number of sheets exceeds 6, and UnStaple)	200	150–600	High output speed in eject operation when "paper feed length > 420.0mm, and 10 >= compile number of sheets > 6, and UnStaple".	X	O	1 mm/s
763–522	Low eject operation output speed (VLu19)	150	50–600	Low output speed (VLu19) for eject operation under the conditions shown below. When "Unstapled, 3 < compile number of sheets <= 6, Paper Feed Length <= 216.0 mm, weight >= 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–523	Low eject operation output speed (VLu20)	190	50–600	Low output speed (VLu20) for eject operation under the conditions shown below. When "Unstapled, 3 < compile number of sheets <= 6, Paper Feed Length <= 216.0 mm, weight >= 106 gsm, and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–524	Low eject operation output speed (VLu21)	250	50–600	Low output speed (VLu21) for eject operation under the conditions shown below. When "Unstapled, 3 < compile number of sheets <= 6, 216.0 mm < Paper Feed Length <= 420.0 mm, weight < 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–525	Low eject operation output speed (VLu22)	250	50–600	Low output speed (VLu22) for eject operation under the conditions shown below. When "Unstapled, 3 < compile number of sheets <= 6, 216.0 mm < Paper Feed Length <= 420.0 mm, weight < 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–526	Low Eject Operation Output Speed (VLu23)	250	50–600	Low output speed (VLu23) for eject operation under the conditions shown below. When "Unstapled, 3 < compile number of sheets <= 6, 216.0 mm < Paper Feed Length <= 420.0 mm, weight < 106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–527	Low Eject Operation Output Speed (VLu24)	250	50–600	Low output speed (VLu24) for eject operation under the conditions shown below. When "Unstapled, 3 < compile number of sheets <= 6, 216.0 mm < Paper Feed Length <= 420.0 mm, weight < 106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–536	Noise Countermeasure Operation Amount Adjustment Value (Silent Mode)	110	60–255	Adjust the gear backlash during Sub Paddle Down/Up in Silent Mode, and the number of output pulses for reducing backlash such as that of the Eject Cam and Sub Paddle Arm.	O	O	1 pulse
763–538	Low eject operation output speed (VLs31)	100	50–600	Low output speed (VLs31) for eject operation when, Stapled, 10 < compile number of sheets <= 30, Paper Feed Length <= 216.0 mm, weight >= 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–540	Low eject operation output speed (VLs33)	180	50–600	Low output speed (VLs33) for eject operation when, Stapled, 10 < compile number of sheets <= 30, 216.0 mm < Paper Feed Length <= 297.0 mm, weight < 106	O	O	1 mm/s

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
				gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".			
763–542	Low eject operation output speed (VLs35)	100	50–600	Low output speed (VLs35) for eject operation when, Stapled, 10 < compile number of sheets <= 30, 216.0 mm < Paper Feed Length <= 297.0 mm, weight >= 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–544	Low eject operation output speed (VLs37)	220	50–600	Low output speed (VLs37) for eject operation when, Stapled, 10 < compile number of sheets <= 30, 297.0mm < Paper Feed Length <= 420.0mm, weight < 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–546	Low eject operation output speed (VLs39)	100	50–600	Low output speed (VLs39) for eject operation when, Stapled, 10 < compile number of sheets <= 30, 297.0mm < Paper Feed Length <= 420.0mm, weight >= 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–548	Low eject operation output speed (VLs41)	100	50–600	Low output speed (VLs41) for eject operation when, Stapled, 10 < compile number of sheets <= 30, 420.0 mm < Paper Feed Length, weight < 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–550	Low eject operation output speed (VLs43)	100	50–600	Low output speed (VLs43) for eject operation when, Stapled, 10 < compile number of sheets <= 30, 420.0 mm < Paper Feed Length, weight >= 106 gsm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–552	Low eject operation output speed (VLs45)	150	50–600	Low output speed (VLs45) for eject operation when, Stapled, 30 < compile number of sheets, Paper Feed Length <= 210.0 mm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–554	Low eject operation output speed (VLs47)	100	50–600	Low output speed (VLs47) for eject operation when, Stapled, 30 < compile number of sheets, 210.0 mm < Paper Feed Length <= 216.0 mm, and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–556	Low eject operation output speed (VLs49)	100	50–600	Low output speed (VLs49) for eject operation when, Stapled, 30 < compile number of sheets, 216.0 mm < Paper Feed Length, and without overlap of images on	O	O	1 mm/s

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
				top side of preceding paper and bottom side of subsequent paper".			
763–563	Sub Paddle Down Time (Paper Feed Length <= 210.0 mm, weight < 106 gsm)	57	20–1000	Sub Paddle Down Time when "Paper Feed Length <= 210.0 mm, and weight < 106 gsm".	O	O	1 ms
763–564	Sub Paddle Down Time (Paper Feed Length <= 210.0 mm, 106 gsm <= weight < 170 gsm)	180	20–1000	Sub Paddle Down Time when "Paper Feed Length <= 210.0 mm, and 106 gsm <= weight < 170 gsm".	O	O	1 ms
763–565	Sub Paddle Down Time (Paper Feed Length <= 210.0 mm, 170 gsm <= weight)	200	20–1000	Sub Paddle Down Time when "Paper Feed Length <= 210.0 mm, and 170 gsm <= weight".	O	O	1 ms
763–566	Low output speed switching position (Paper Feed Length > 216.0 mm)	10570	0–600	The Stacker Cart current position threshold for determining Low output speed.	O	O	1 pulse
763–567	Low eject operation output speed (VLu49)	150	50–600	Low output speed (VLu49) for eject operation when, Unstapled, compile number of sheets <= 3, Paper Feed Length > 420.0 mm, weight >= 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–568	Low eject operation output speed (VLu50)	150	50–600	Low output speed (VLu50) for eject operation when, Unstapled, compile number of sheets <= 3, Paper Feed Length > 420.0 mm, weight >= 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–569	Low eject operation output speed (VLu51)	150	50–600	Low output speed (VLu51) for eject operation when, Unstapled, compile number of sheets <= 3, Paper Feed Length > 420.0 mm, weight >= 106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–570	Low eject operation output speed (VLu52)	150	50–600	Low output speed (VLu52) for eject operation when, Unstapled, compile number of sheets <= 3, Paper Feed Length > 420.0 mm, weight >= 106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–571	Low eject operation output speed (VLu53)	150	50–600	Low output speed (VLu53) for eject operation when, Unstapled, 3 < compile number of sheets <= 6, Paper	O	O	1 mm/s

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
				Feed Length > 420.0 mm, weight >= 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".			
763–572	Low eject operation output speed (VLu54)	150	50–600	Low output speed (VLu54) for eject operation when, Unstapled, 3 < compile number of sheets <= 6, Paper Feed Length > 420.0 mm, weight >= 106 gsm, Stacker Cart current position <= Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–573	Low eject operation output speed (VLu55)	150	50–600	Low output speed (VLu55) for eject operation when, Unstapled, 3 < compile number of sheets <= 6, Paper Feed Length > 420.0 mm, weight >= 106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and without overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–574	Low eject operation output speed (VLu56)	150	50–600	Low output speed (VLu56) for eject operation when, Unstapled, 3 < compile number of sheets <= 6, Paper Feed Length > 420.0 mm, weight >= 106 gsm, Stacker Cart current position > Low output speed switching position (Paper Feed Length > 216.0 mm), and with overlap of images on top side of preceding paper and bottom side of subsequent paper".	O	O	1 mm/s
763–707	Loop Reduction Speed Drive Time Adjustment Value during Sheet Output (Other than Envelope and Lighter than 106 gsm)	-4	-80–80	The NVM for adjustment of loop reduction speed drive time T5 during sheet output relative to other than Envelope and lighter than 106 gsm paper.	O	O	1 ms
763–722	Transport Motor Component Control Operation Speed 1	2500	600–5500	Sets the Transport Motor operation speed in component control operation.	X	O	0.1 mm/s
763–728	Loop Reduction Speed Adjustment Value (Other than Envelope and Lighter than 106 gsm)	10	0–105	The NVM for adjustment of loop reduction speed during sheet output relative to other than Envelope and lighter than 106 gsm paper.	O	O	1 ms
763–729	Loop Reduction Speed Adjustment Value (Envelope or 106 gsm or Heavier)	0	0–105	The NVM for adjustment of loop reduction speed during sheet output relative to Envelope or 106 gsm or heavier paper.	O	O	1 ms
763–730	Loop Reduction Speed Drive Time Adjustment Value during Sheet Output (Envelope or 106 gsm or Heavier)	0	-80–80	The NVM for adjustment of loop reduction speed drive time T5 during sheet output relative to Envelope or 106 gsm or heavier paper.	O	O	1 ms
763–911	Presence of Mixed Stack in Paper Stack	0	0–1	Stores information on whether a mixed stack has occurred at the High Capacity Stacker-Stacker Cart. 0: No mixed stack	O	O	

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
				1: Mixed stack occurred			
763–918	Movement Amount for Determining Stacker Cart Clear Position during Lift-Up operation.	125	0–500	Sets the movement amount for determining clearance of Stacker Cart current position during Lift-up operation.	O	O	1 pulse
763–919	Shift Amount for Clearing Stacker-Stacker Cart Position	125	0–1000	Sets the shift amount for judging the clearance of the Stacker-Stacker Cart Current Position.	O	O	1 pulse
763–921	Mixed Stack Detection Setting	0	0–1	Sets whether to perform Stacker Mix Size Full Stack detection. 0: Detect 1: Do not detect	X	O	
763–926	Paper Removal Determination Position	9400	0–10500	Sets the position for performing determination of paper removal from the Stacker-Stacker Cart.	O	O	1 pulse
763–927	Paper Removal Determining Position (Stacker Height Sensor ON)	9925	8000–10500	Sets the position for determining paper removal from Stacker Cart when Stacker Height Sensor is ON.	O	O	1 pulse
763–929	Full Stack Detection Start Position	8800	0–15000	Sets the condition for Stacker Cart Full Stack detection and Set Over detection.	X	O	1 pulse
763–930	High Capacity Stacker-Stacker Cart Full Stack Position (Paper Feed Length < = 216.0 mm)	12900	800–14130	Sets the full stack position when paper feed length < = 216.0 mm.	X	O	1 pulse
763–931	High Capacity Stacker-Stacker Cart Full Stack Position (216.0 mm < Paper Feed Length < = 419.9 mm)	11300	800–14130	Sets the full stack position when 216.0 mm < paper feed length < = 419.9 mm.	X	O	1 pulse
763–932	High Capacity Stacker-Stacker Cart Full Stack Position (419.9 mm < Paper Feed Length)	10760	800–14130	Sets the full stack position when 419.9 mm < paper feed length.	X	O	1 pulse
763–933	Stacker Cart Full Stack Position (Mixed, Paper Feed Length <= 419.9. mm)	11300	800-14130	Sets the Full Stack Position for Mixed Stack when the maximum feed length among the paper stack is <= 419.9 mm.	X	O	1 pulse
763–939	Stacker-Stacker Cart Full Stack Sheet Count (Paper Feed Length <= 216.0mm, "Compiler Tray Output and UnStaple")	500	100–1000	Sets the full stack sheet count when maximum feed length in stacked paper <= 216.0mm, Compiler Tray output and UnStaple.	X	O	1 sheet
763–940	Stacker-Stacker Cart Full Stack Sheet Count (Paper Feed Length <= 216.0mm, Sheet Output, or except UnStaple)	500	100–1000	Sets the full stack sheet count when maximum feed length in stacked paper <= 216.0mm, sheet output, or except UnStaple.	X	O	1 sheet
763–941	High Capacity Stacker-Stacker Cart Full Stack Number of Sheets (216.0 mm < Paper Feed Length < = 419.9 mm)	250	100–1000	Sets the number of sheets for full stack when 216.0 mm < maximum feed length in paper stack < = 419.9 mm.	X	O	1 pulse

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/ Protected	1 Count
763–942	High Capacity Stacker-Stacker Cart Full Stack Number of Sheets (419.9 mm < Paper Feed Length)	200	100–1000	Sets the number of sheets for full stack, inclusive of during mixed stack, when 419.9 mm < maximum feed length in paper stack.	X	O	1 pulse
763–943	High Capacity Stacker-Stacker Cart Full Stack Number of Sheets (Mixed, Paper Feed Length < = 419.9 mm)	250	100–1000	Sets the number of sheets for full stack when maximum feed length in paper stack during mixed stack < = 419.9 mm.	X	O	1 pulse
763–944	Number of Sheets to Add to Stack when Stacker Cart Reaches Full Stack Position	83	0–100	Sets the number of sheets to be added to the stack after reaching the Stacker Cart Full Stack Position	X	O	1 sheet
763–951	Lowering Amount for Targeting Stacker Cart Standby Position (1)	388	40–800	The lowering amount for targeting the Stacker Cart Standby Position when the Stacker Cart Current Position is less than Stacker Cart Lowering Operation Position (1) in the Stacker Cart Height Adjustment Operation.	X	O	1 pulse
763–952	Lowering Amount for Targeting Stacker Cart Standby Position (2)	360	40–800	The lowering amount for targeting the Stacker Cart Standby Position when the Stacker Cart Current Position is equal to or greater than Stacker Cart Lowering Operation Position (1) but less than Stacker Cart Lowering Operation Position (2) in the Stacker Cart Height Adjustment Operation.	X	O	1 pulse
763–953	Lowering Amount for Targeting Stacker Cart Standby Position (3)	396	40–800	The lowering amount for targeting the Stacker Cart Standby Position when the Stacker Cart Current Position is equal to or greater than Stacker Cart Lowering Operation Position (2) but less than Stacker Cart Lowering Operation Position (3) in the Stacker Cart Height Adjustment Operation.	X	O	1 pulse
763–954	Lowering Amount for Targeting Stacker Cart Standby Position (4)	436	40–1400	The lowering amount for targeting the Stacker Cart Standby Position when the Stacker Cart Current Position is equal to or greater than Stacker Cart Lowering Operation Position (3) but less than Stacker Cart Lowering Operation Position (4) in the Stacker Cart Height Adjustment Operation.	X	O	1 pulse
763–955	Lowering Amount for Targeting Stacker Cart Standby Position (5)	484	40–1400	The lowering amount for targeting the Stacker Cart Standby Position when the Stacker Cart Current Position is equal to or greater than Stacker Cart Lowering Operation Position (4) but less than Stacker Cart Lowering Operation Position (5) in the Stacker Cart Height Adjustment Operation.	X	O	1 pulse
763–956	Lowering Amount for Targeting Stacker Cart Standby Position (6)	540	40–1400	The lowering amount for targeting the Stacker Cart Standby Position when the Stacker Cart Current Position is equal to or greater than Stacker Cart Lowering Operation Position (5) but less than Stacker Cart Lowering Operation Position (6) in the Stacker Cart Height Adjustment Operation.	X	O	1 pulse
763–957	Lowering Amount for Targeting Stacker Cart Standby Position (7)	608	40–1400	The lowering amount for targeting the Stacker Cart Standby Position when the Stacker Cart Current	X	O	1 pulse

Chain–Link	NVM Name	Default Value	Setting Range	NVM Description	Can be Initialized	Write Allowed/Protected	1 Count
				Position is equal to or greater than Stacker Cart Lowering Operation Position (6) but less than Stacker Cart Lowering Operation Position (7) in the Stacker Cart Height Adjustment Operation.			
763–958	Stacker Cart Height Clear Position	10100	9000–15000	Sets the threshold used as condition for determining clearance of Stacker Cart current position.	X	O	1 pulse
763–959	Number of Pulses Until Stacker Height Sensor OFF	320	0–1000	Sets the Correction Value for the lowering amount to prevent IIT contact.	X	O	1 pulse
763–960	Set Over Count Threshold (Excluding Dual)	30	30–100	The Set Over Count threshold value when the paper stack in the High Capacity Stacker-Stacker Cart does not contain any Dual Staple Set.	X	O	1 set
763–961	Set Over Count Threshold (Including Dual)	30	30–100	The Set Over Count threshold value when the paper stack in the High Capacity Stacker-Stacker Cart contains Dual Staple Set.	X	O	1 set
763–964	Stacker Cart Lowering Operation Position (1)	8970	9000–14130	Sets the threshold for the Stacker Cart current position to start applying Lowering Amount for Targeting Stacker Cart Standby Position (2).	X	O	1 pulse
763–965	Stacker Cart Lowering Operation Position (2)	10070	9000–14130	Sets the threshold for the Stacker Cart current position to start applying Lowering Amount for Targeting Stacker Cart Standby Position (3).	X	O	1 pulse
763–966	Stacker Cart Lowering Operation Position (3)	10470	9000–14130	Sets the threshold for the Stacker Cart current position to start applying Lowering Amount for Targeting Stacker Cart Standby Position (4).	X	O	1 pulse
763–967	Stacker Cart Lowering Operation Position (4)	10750	9000–14130	Sets the threshold for the Stacker Cart current position to start applying Lowering Amount for Targeting Stacker Cart Standby Position (5).	X	O	1 pulse
763–968	Stacker Cart Lowering Operation Position (5)	10990	9000–14130	Sets the threshold for the Stacker Cart current position to start applying Lowering Amount for Targeting Stacker Cart Standby Position (6).	X	O	1 pulse
763–969	Stacker Cart Lowering Operation Position (6)	11180	9000–14130	Sets the threshold for the Stacker Cart current position to start applying Lowering Amount for Targeting Stacker Cart Standby Position (7).	X	O	1 pulse
763–970	Stacker-Stacker Cart Lift Up Operation Start Timing During Paper Removal	80	50–200	Sets the timing for starting Stacker-Stacker Cart lift up operation during paper removal (during Stacker Height Sensor ON -> OFF detection).	X	O	100 ms
763–980	Adjustment Value for Stacker Cart Compile Assist Operation Start Timing	0	–50–200	Adjusts the Stacker Cart Compile Assist Operation start timing.	X	O	1 ms

7 Wiring Data

Plug/Jack Locations

Purpose

Wiring diagrams are an aid to trace wiring faults. Wiring diagrams are used to complement the circuit diagram in the relevant RAP.

How to Use the Finisher Plug/Jack Location List

- To find which position to install specific connectors, refer to Table 1 Finisher Plug/Jack Location List. To see an illustration for your specific P/J number, refer to the specific figure number, then locate the item number callout. For a description of where to connect your plug/jack, refer to the Remarks column.

- The Finisher Plug/Jack Location List is expressed in the four ways below, Figure 1:

  - J250 represents Jack 250.

  - P250 represents Plug 250.

  - CN1 represents Connector 1.

  - FS1 represents Faston Terminal 1.

Example:

F-1-0126-A
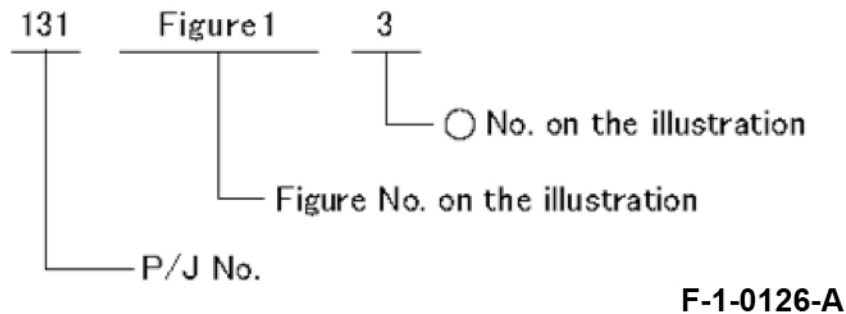
Figure 1 Plug/Jack Location List

Finisher Plug/Jack List

Finisher Plug/Jack List

Table 1 Finisher Plug/Jack List

P/J No.	Figure-No.	Item	Remarks (where to connect)
P/J8907	1	1	Finisher Top Cover Interlock Switch
P/J8908	1	2	Finisher Front Door Interlock Switch
P/J8903	1	3	Stapler Move Motor
P/J8899	1	4	Finisher Entrance Sensor
P/J8894	1	5	Staple Assembly
P/J8905	1	6	Finisher Transport Motor
P/J8904	1	7	Staple Assembly (Staple Motor)
P/J8893	1	8	Stapler Move Position Sensor
P/J8898	1	9	Eject Cam Home Sensor
P/J8897	1	10	Compile Exit Sensor
P/J8896	2	1	Rear Tamper Home Sensor
P/J8902	2	2	Eject Motor
P/J8895	2	3	Stacker Height Sensor
P/J8906	2	4	Eject Cam Clutch
P/J8891	2	5	Set Clamp Home Sensor
P/J8890	2	6	Front Tamper Home Sensor
P/J8900	2	7	Front Tamper Motor
P/J8901	2	8	Rear Tamper Motor
P/J8878	3	1	Finisher PWB
P/J8862	3	2	Finisher PWB
P/J8861	3	3	Finisher PWB

P/J No.	Figure-No.	Item	Remarks (where to connect)
P/J8868	3	4	Finisher PWB
P/J8879	3	5	Finisher PWB
P/J490	3	6	IOT PWB (IF)
P/J491	3	7	IOT PWB (DC24V)
P/J8867	3	8	Finisher PWB
P/J8910	3	9	Stacker Motor
P/J8866	3	10	Finisher PWB
P/J8877	3	11	Finisher PWB
P/J8860	3	12	Finisher PWB
P/J8865	3	13	Finisher PWB
P/J8876	3	14	Finisher PWB
P/J8875	3	15	Finisher PWB
P/J8892	3	16	Stacker No Paper Sensor
P/J8864	3	17	Finisher PWB
P/J8863	3	18	Finisher PWB

Finisher Plug/Jack Locations

Finisher Plug/Jack Locations

F-1-0127-A
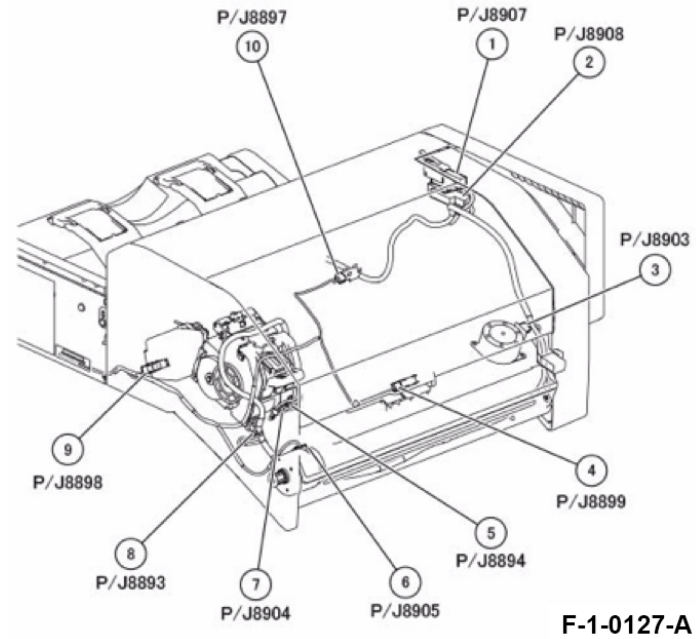
Figure 1 Finisher Rear view Locations
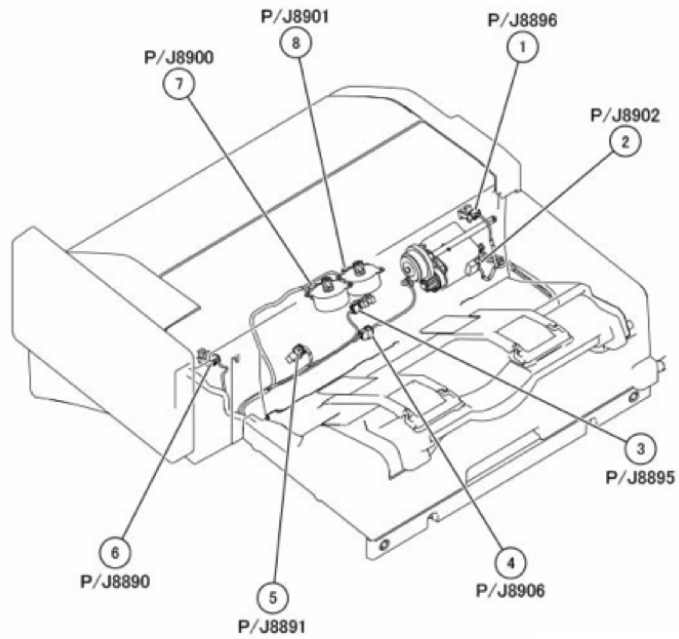
F-1-0128-A

Figure 2 Compile Location
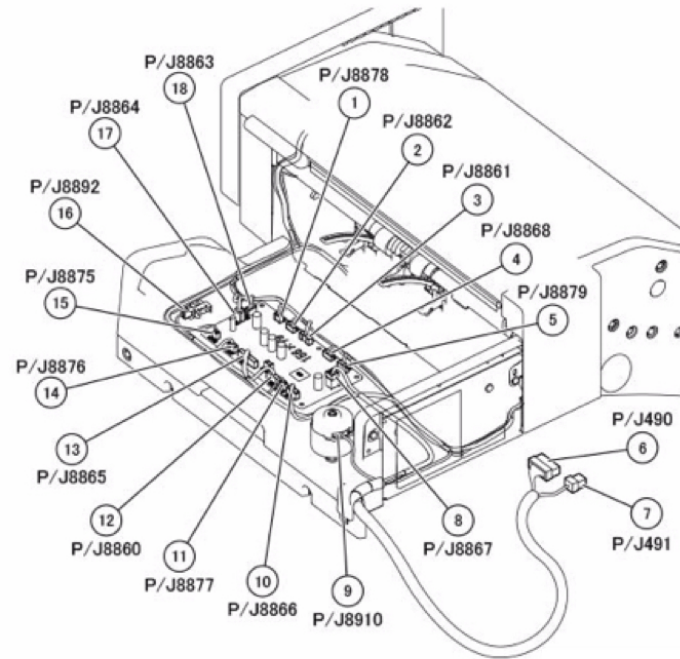
F-1-0129-A

Figure 3 Finisher PWB Location

Wire Network

Finisher

7.2.70.1 FINISHER A2 +5VDC
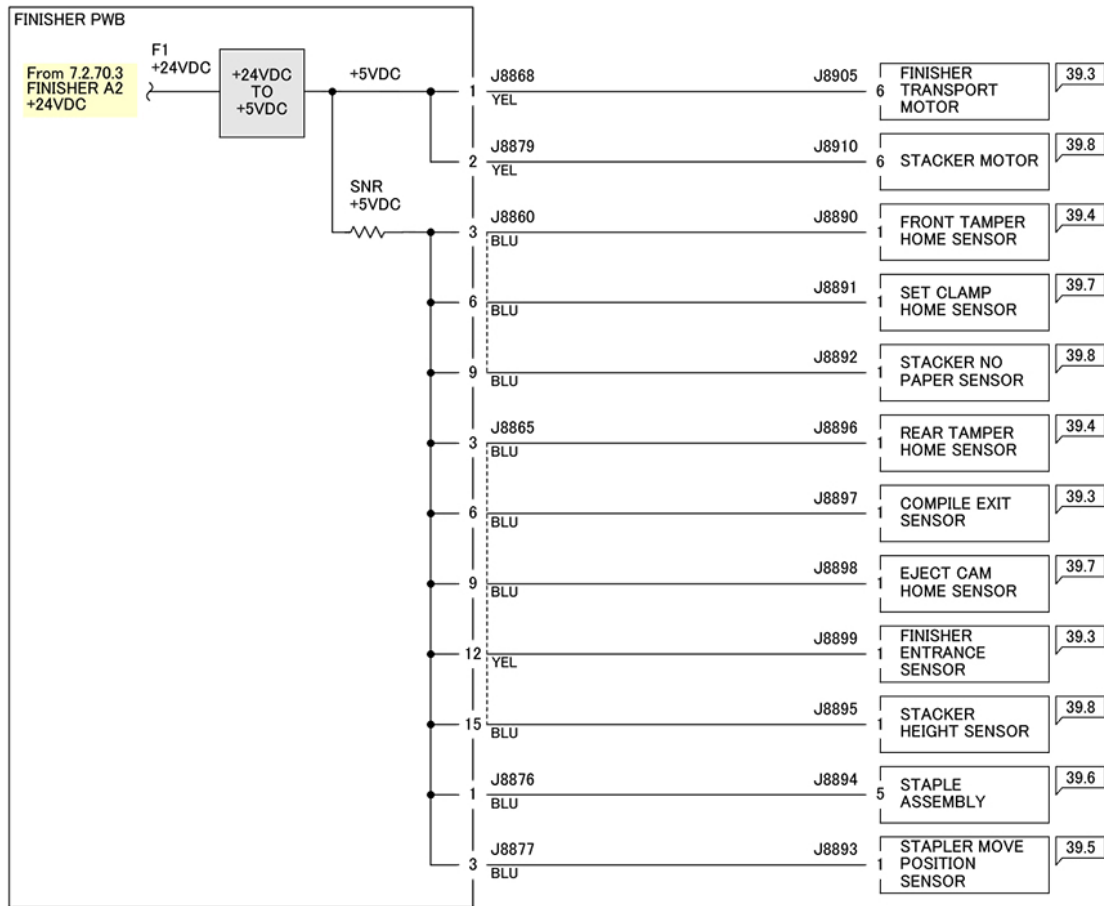
F-1-0130-A

Figure 1 Finisher +5VDC

7.2.70.2 FINISHER A2 DC COM (5VRTN)

FINISHER PWB

From 7.2.70.4 FINISHER A2 DC COM (24VRTN)

Pin	Color	From	To	Component	Ref
1	BLU	J8860	J8890 3	FRONT TAMPER HOME SENSOR	39.4
4	BLU		J8891 3	SET CLAMP HOME SENSOR	39.7
7	BLU		J8892 3	STACKER NO PAPER SENSOR	39.8
1	BLU	J8865	J8896 3	REAR TAMPER HOME SENSOR	39.4
4	BLU		J8897 3	COMPILE EXIT SENSOR	39.3
7	BLU		J8898 3	EJECT CAM HOME SENSOR	39.7
10	YEL		J8899 3	FINISHER ENTRANCE SENSOR	39.3
13	BLU		J8895 3	STACKER HEIGHT SENSOR	39.8
2	YEL	J8866	J490 11	IOT	39.2
8	YEL		1	FINISHER DETECT SIGNAL	
5	YEL	J8868	J8905 2	FINISHER TRANSPORT MOTOR	39.3
5	BLU	J8876	J8894 1	STAPLE ASSEMBLY	39.6
1	BLU	J8877	J8893 3	STAPLER MOVE POSITION SENSOR	39.5
6	YEL	J8879	J8910 2	STACKER MOTOR	39.8

F-1-0131-A

Figure 2 Finisher DC COM (5VRTN)

7.2.70.3 FINISHER A2 +24VDC
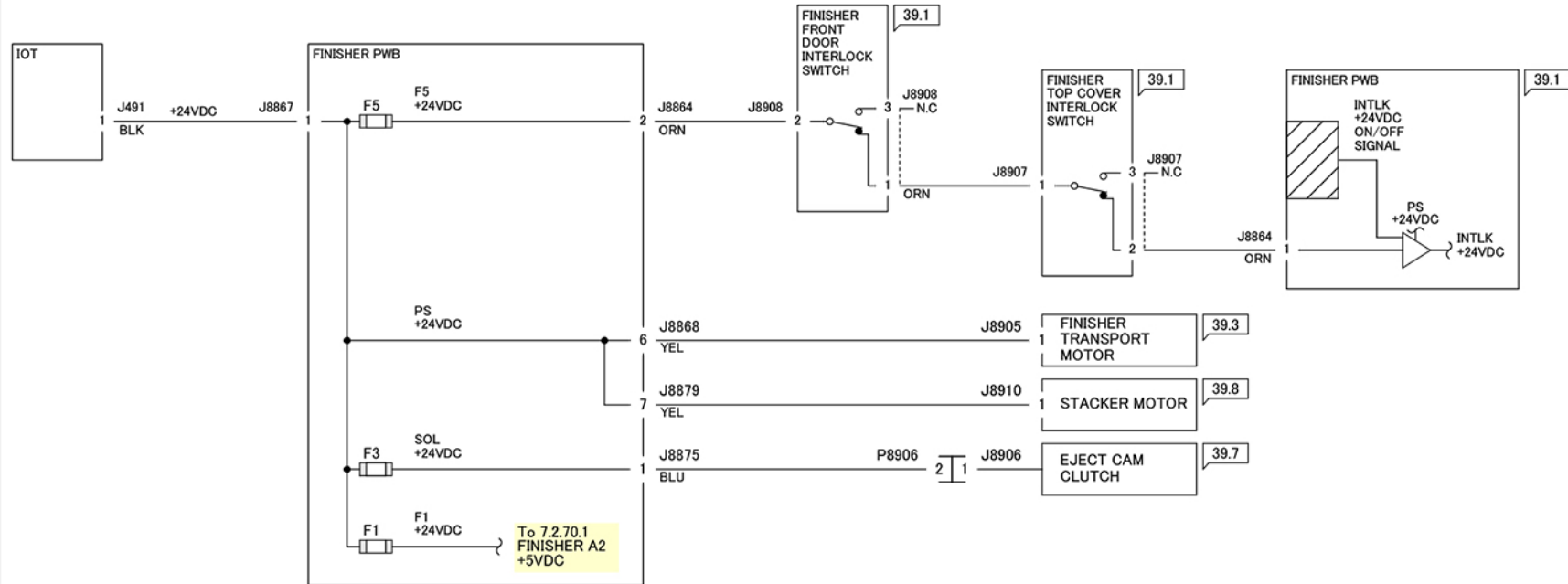
F-1-0132-A

Figure 3 Finisher +24VDC

7.2.70.4 FINISHER A2 DC COM (24VRTN)
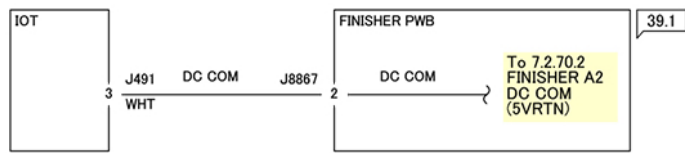
F-1-0133-A

Figure 4 Finisher DC COM (24VRTN)

Block Schematic Diagram (BSD)

Preface
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.

⚠️ **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.
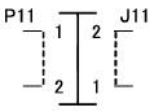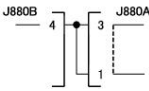
Once you have located the failure, go to the Parts List No. and/or Adjustment No. indicated for reference on the BSD.

Explanation of Symbols

**Table 1 Explanation of Symbols**

Symbol	Description
⬡ 1	Explanation of Symbols
TD 1	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.
PL 7.7	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.
◕ VR3	Indicates a variable register that is adjustable in the field.
TP1	Indicates a signal test point.

Symbol	Description
1.3	Indicates where the input to a function originates. The example indicates that the input originates from group function 3 of Chain 1
6.1	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.
ZONE E3	Indicates that the signal line goes to another zone in the same function. The example refers to zone E3.
ZONE A4	Indicates that the signal line goes back to another zone in the same function. The example refers to zone A4
CH8.5 ZN A2	Indicates that the signal line goes to a zone in another sheet. The example refers to zone A2, CH8.5.
CH8.5 ZN H4	Indicates that the signal line goes back to a zone in another sheet. The example refers to zone H4, CH8.5.
+5VDC (1.2 J2)	Indicates a power line output from Chain 1.
	Indicates frame ground.
XX	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.

Symbol	Description
------	Indicates a mechanical connection to a part.
--·--	Indicates that a mechanical drive signal goes in the direction indicated.
(hatched box)	Indicates Control Logic.
P11 ... J11	Indicates a double plug connector.
J880B ... J880A	Indicates a shorting plug connector.
—o—	Indicates that the fasten is used for connection.
—▭—	Indicates that an electrically conductive material such as a leaf spring and a plate is used for connection.
(1)	Indicates that the symbol-pointed-to section has been modified to code 1V.
(1)	Indicates the symbol-pointed-to section has not been modified to code 1V.
(1)	Indicates that the whole figure or the framed illustration has information with 1V installed.
(1)	Indicates that the whole figure or the framed illustration has information without 1V installed.

Symbol	Description
(red arrow)	Indicates direction the air flows.
—o⁄o—	Indicates switch and is also used as Interlock Switch.
—o▽o—	Indicates the Cheater type of Interlock Switch.
▭	Indicates the Chip Fuse.

Signal Name Structure

The example indicates that when paper is sensed, this signal level is (L), otherwise the signal level is (H) with the voltage +5VDC:

Table 2 Input Component

Signal	Description
PAPER SENSED	Operation state
(L)	Logical Value
+5VDC	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:

Table 3 Input Component

Signal	Description
ON	Operation state
(L)	Logical Value
+24VDC	Voltage with signal (H)

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:

Voltage	Level	Range
—	-	-

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.

1. 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

2. On this model, the color of power supply line depends on the voltage. The relations between voltages and wire colors are as follows: The colors of actual wires may sometimes differ from the colors of power supply lines on BSD.

Voltage	Color
ACH	BROWN
ACN	BLUE
+3.3VDC	YELLOW GREEN
+5VDC	GRAY

Voltage	Color
+24VDC	ORANGE
DC COM	VIOLET

Figures on the BSDs

The grayed-out portion of the figure shows the path from Motor or Solenoid to parts to drive.
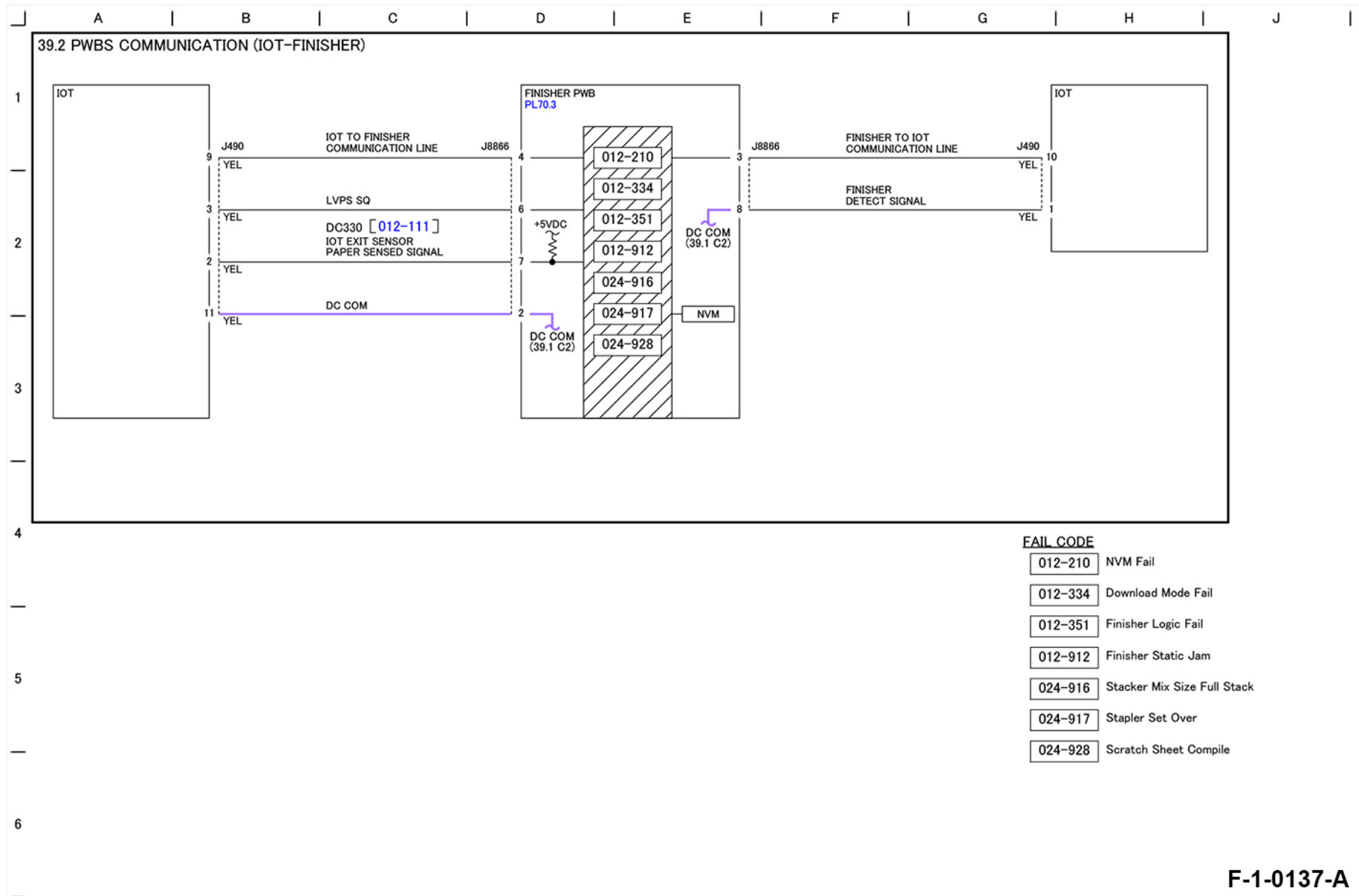
39.1 FINISHER DC POWER AND INTERLOCK SWITCHING
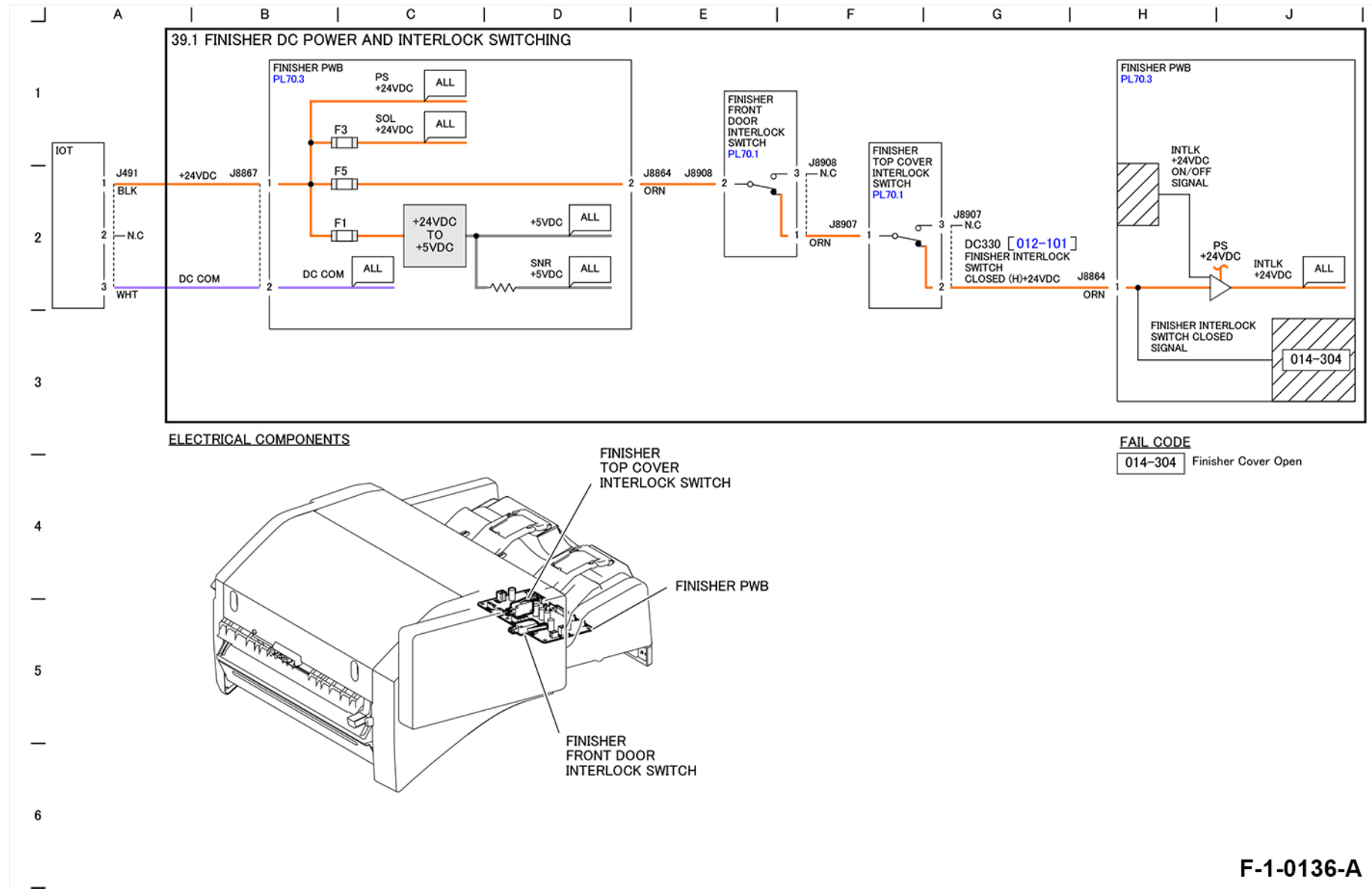
Figure 1 39.1 Finisher DC Power and Interlock Switching

F-1-0136-A

FAIL CODE

014-304 | Finisher Cover Open

ELECTRICAL COMPONENTS

39.2 PWBS COMMUNICATION (IOT-FINISHER)

FAIL CODE

012–210	NVM Fail
012–334	Download Mode Fail
012–351	Finisher Logic Fail
012–912	Finisher Static Jam
024–916	Stacker Mix Size Full Stack
024–917	Stapler Set Over
024–928	Scratch Sheet Compile

F-1-0137-A

Figure 2 39.2 PWBS Communication (IOT-Finisher)

39.3 FINISHER TRANSPORTATION

FAIL CODE

012–122	Compiler Exit Sensor OFF Jam
012–132	Entrance Sensor ON Jam
012–152	Compile Tray Exit SNR ON Jam

ELECTRICAL COMPONENTS

COMPILE EXIT SENSOR

FINISHER TRANSPORT MOTOR

FINISHER ENTRANCE SENSOR
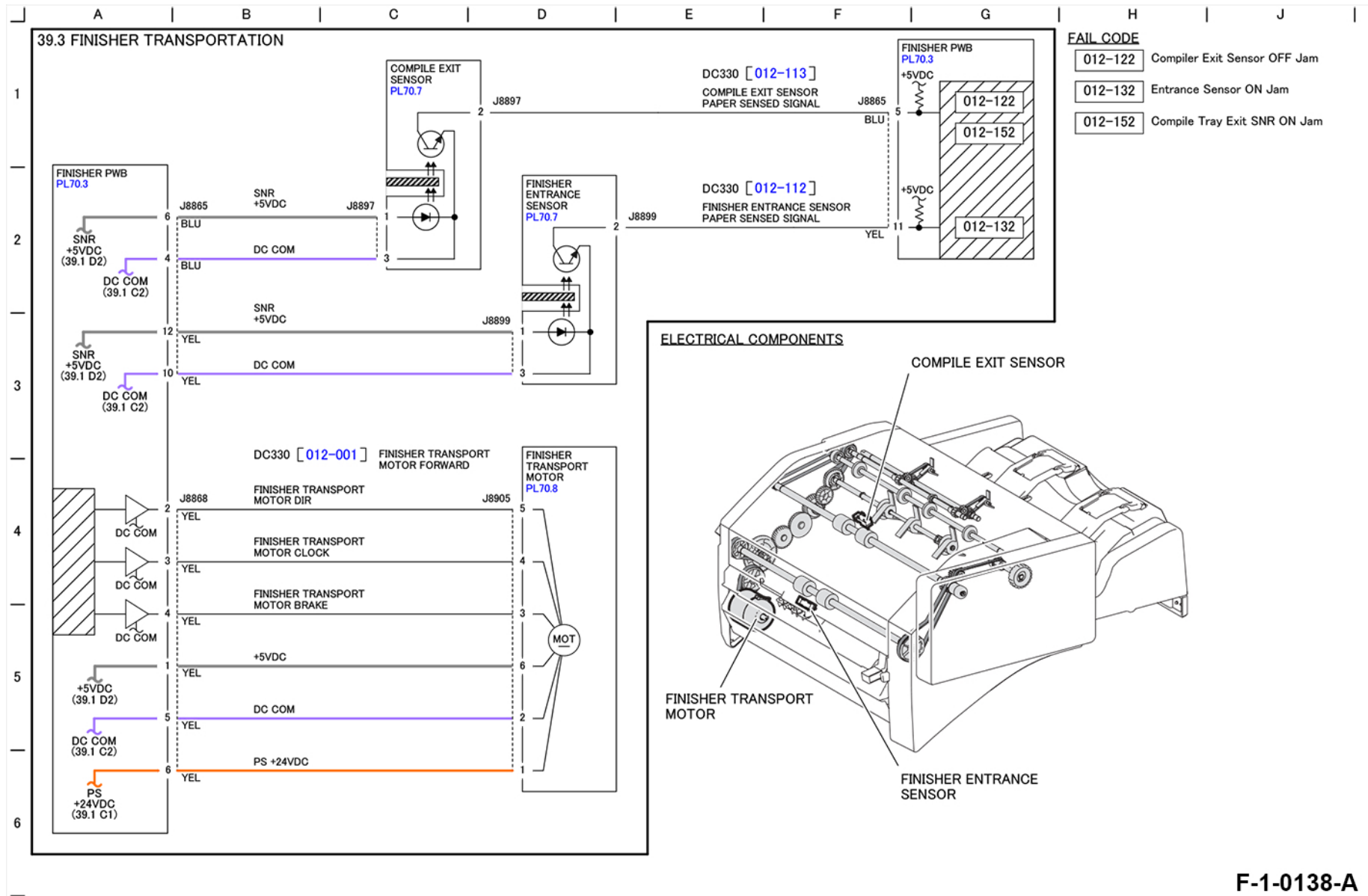
F-1-0138-A

Figure 3 39.3 Finisher Transportation
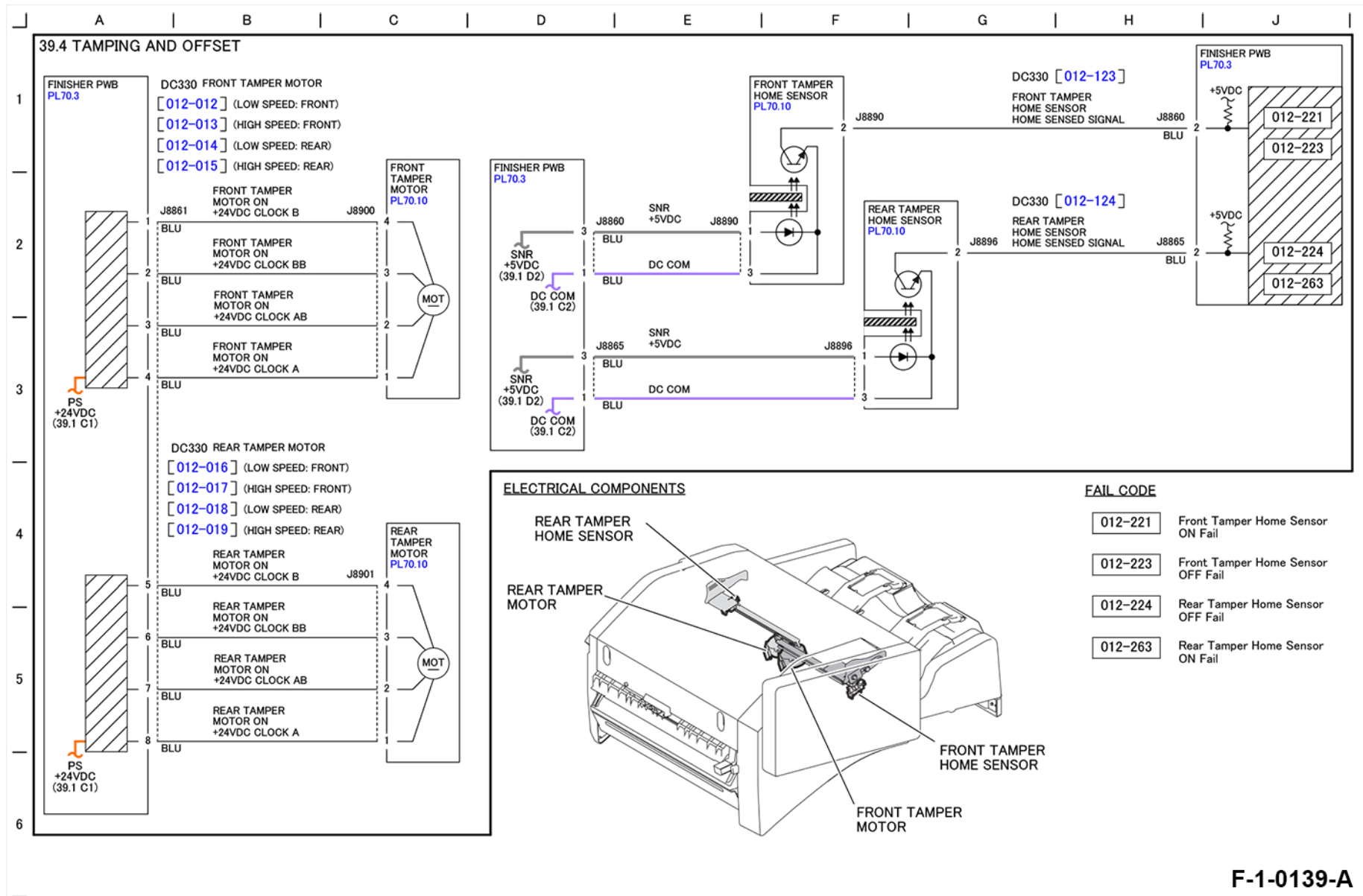
Figure 4 39.4 Tamping and Offset
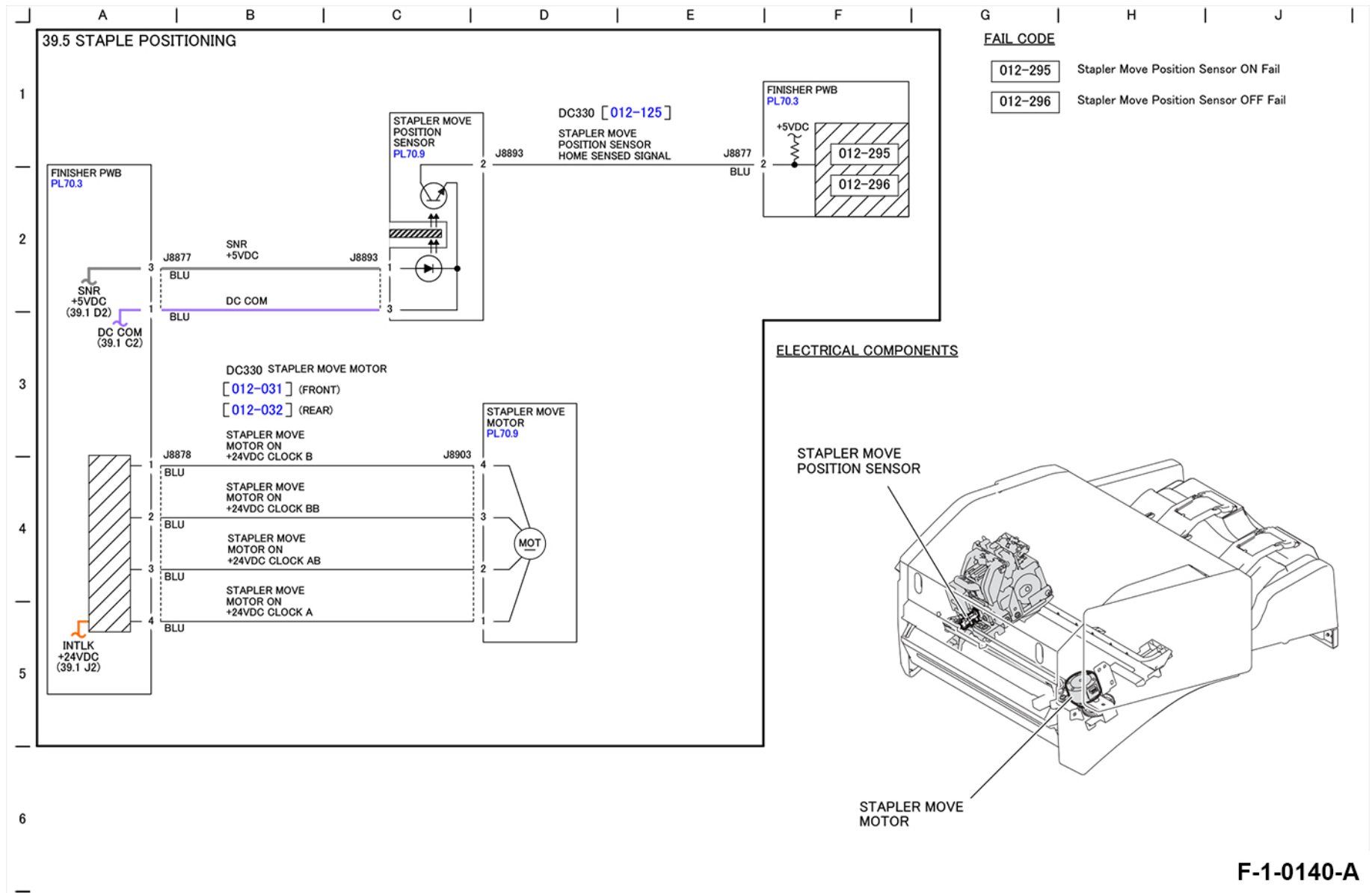
Figure 5 39.5 Staple Positioning
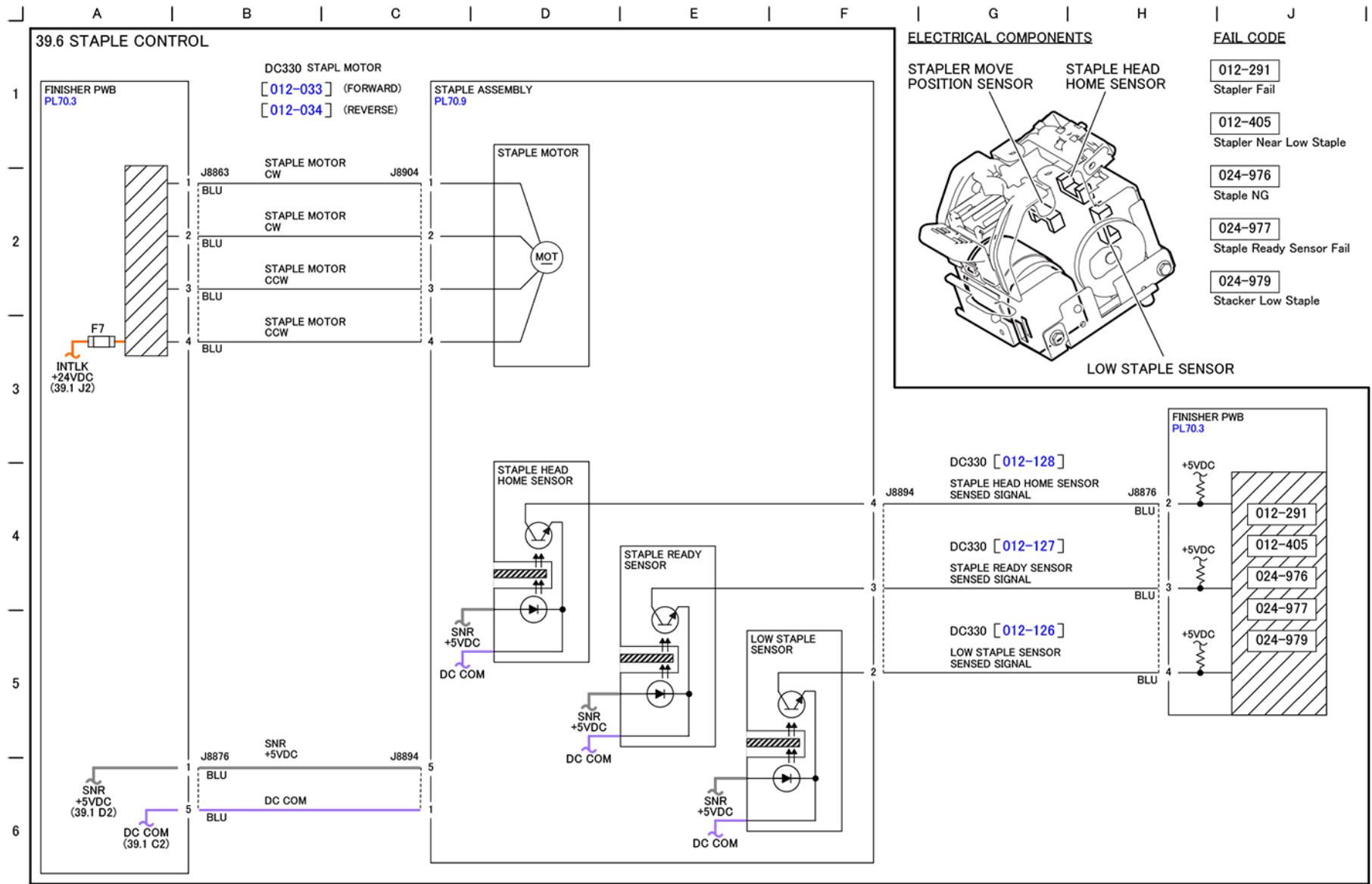
Figure 6 39.6 Staple Control

39.7 SET EJECT
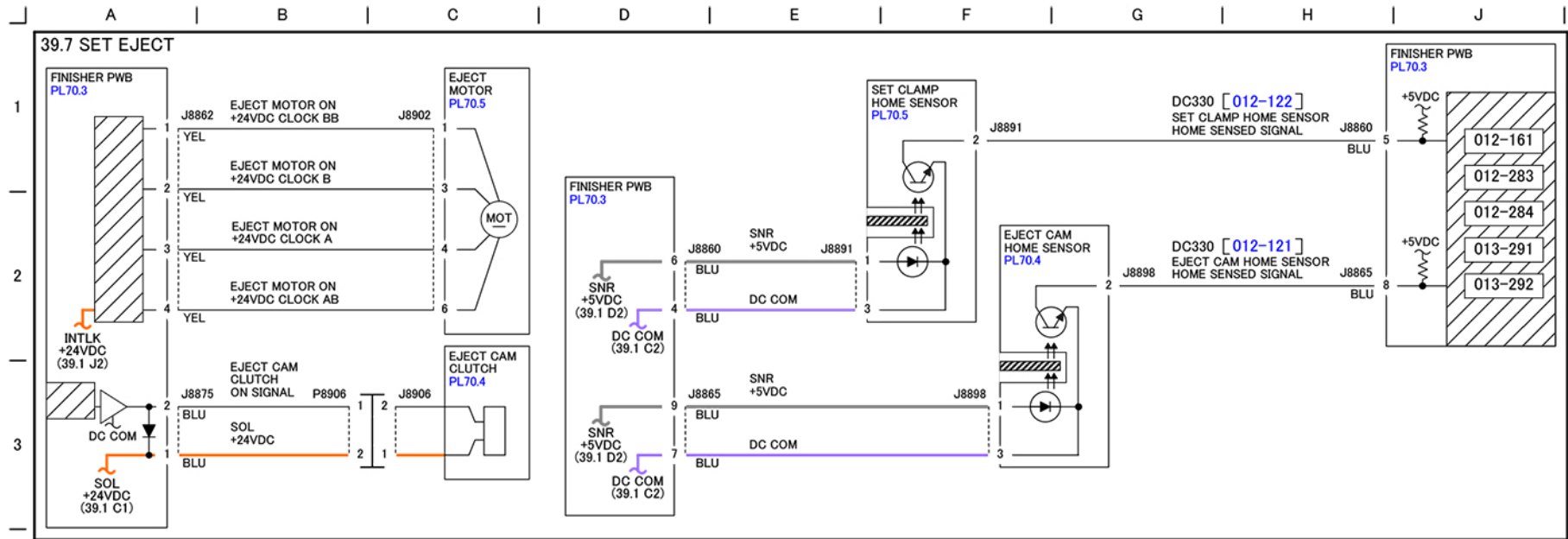
NOTE: ⟨1⟩ Operation depends on diagnostic code.

EJECT MOTOR EJECT CAM CLUTCH	Operation
DC330 [012-051]	Ejector Home Initialize
DC330 [012-052]	Sub Paddle(Down/Up)
DC330 [012-053]	Shelf / Set Clamp(Push)
DC330 [012-054]	Shelf/ Set Clamp(Pull)
DC330 [012-055]	Eject Cam Shelf Lock Release Positioning
DC330 [012-056]	Eject Clamp Down
DC330 [012-057]	Eject Clamp Up
DC330 [012-058]	Eject Motor(Forward/High)
DC330 [012-059]	Eject Motor(Reverse/High)
DC330 [012-060]	Eject Motor(Forward/Mid1)
DC330 [012-061]	Eject Motor(Reverse/Mid1)
DC330 [012-066]	Eject Cam Clutch ON/OFF

ELECTRICAL COMPONENTS

EJECT CAM HOME SENSOR

EJECT MOTOR

EJECT CAM CLUTCH

SET CLAMP HOME SENSOR

FAIL CODE
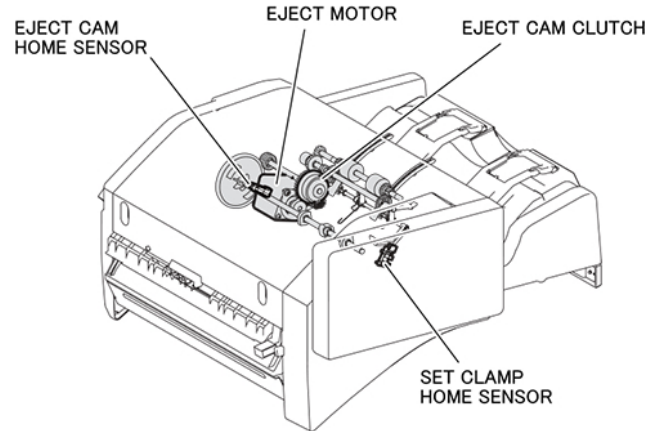
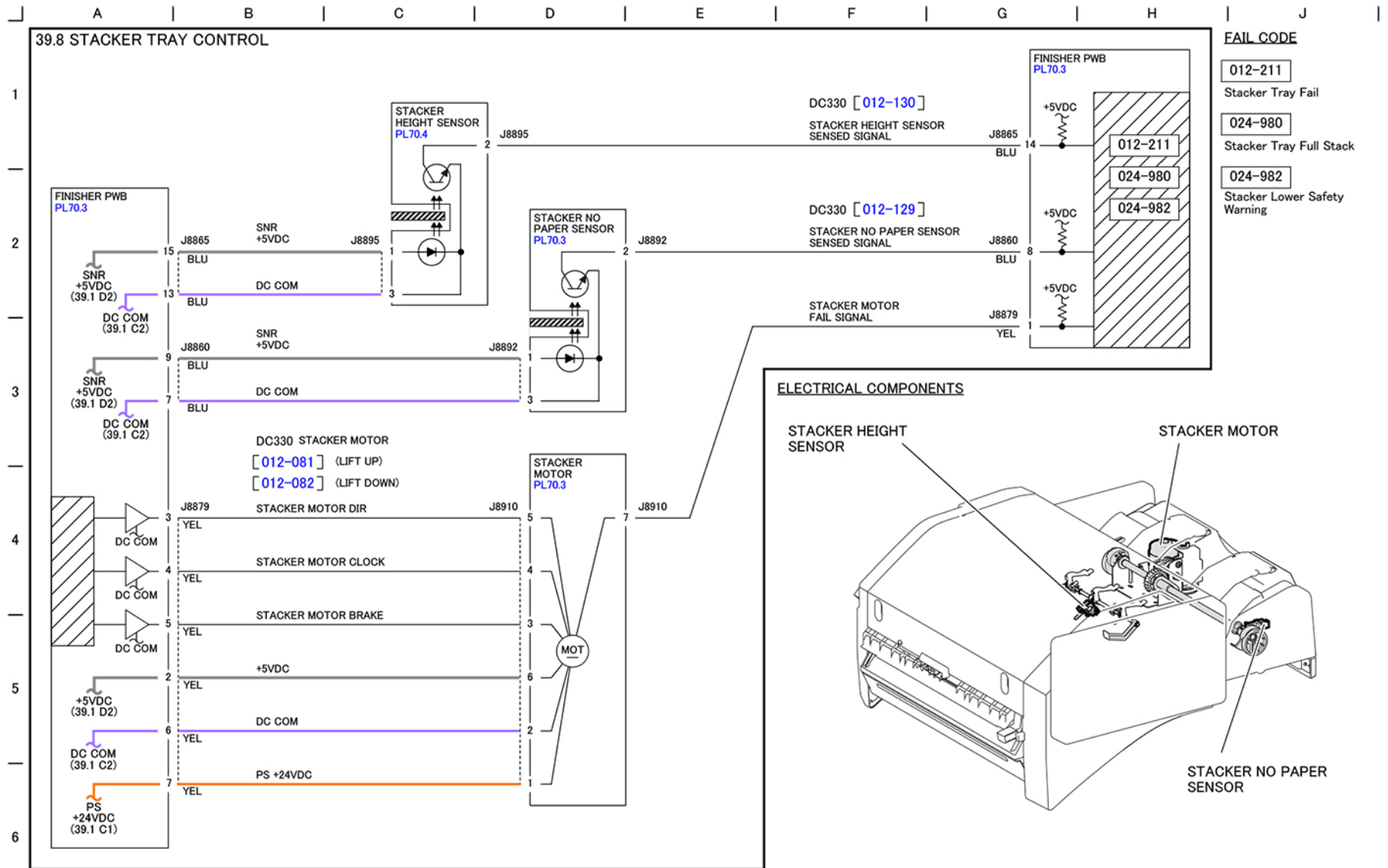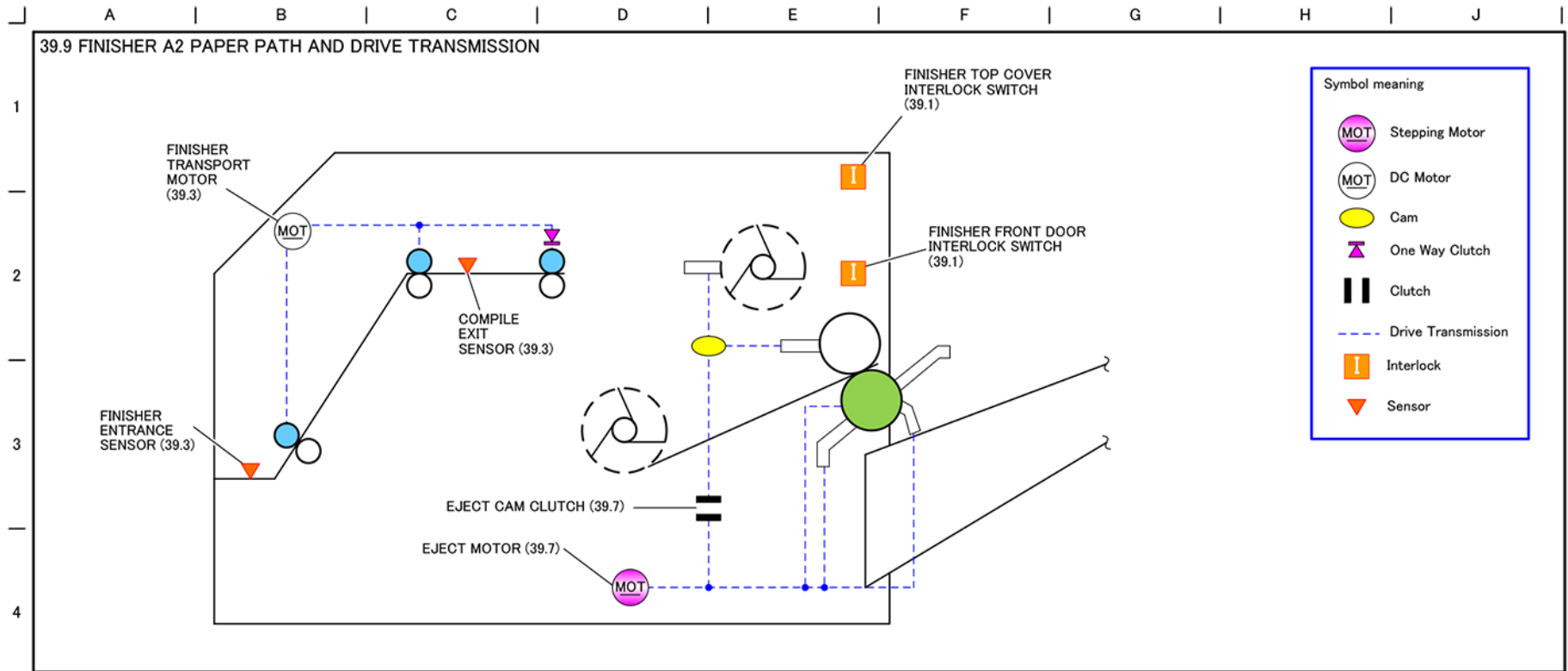|	
012-161	Set Eject Jam
012-283	Set Clamp Home Sensor ON Fail
012-284	Set Clamp Home Sensor OFF Fail
013-291	Eject Cam Home Sensor ON Fail
013-292	Eject Cam Home Sensor OFF Fail

F-1-0142-A

Figure 7 39.7 Set Eject

Figure 8 39.8 Stacker Tray Control

F-1-0143-A

Figure 9 39.9 A2 Paper Path and Drive Transmission (IOT Finisher)

F-1-0144-A