

# **Global B Office Finisher Service Manual**



Initial Issue

Dynamic Rules

Dynamic Rules

---

# Book Configuration

Book Configuration..... ii



## 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 B Office Finisher

Service Documentation

Global B Office Finisher Service Manual

705P01448

Initial Issue

May 2020

Prepared For:

Xerox Corporation

800 Phillips Road

Webster, New York, 14580

©2020 Xerox Corporation. All rights reserved. Xerox®, Xerox®, and Design are trademarks of Xerox Corporation in the United States and/or other countries.

**NOTICE**

All service documentation is supplied to Xerox external customers for informational purposes only. Xerox service documentation is intended for use by certified, product trained service personnel only. Xerox does not warrant or represent that it will notify or provide to such customer any future change to this documentation. Customer performed service of equipment, or modules, components or parts of such equipment may affect whether Xerox is responsible to fix machine defects under the warranty offered by Xerox with respect to such equipment. You should consult the applicable warranty for its terms regarding customer or third-party provided service.

While every care has been taken in the preparation of this manual, no liability will be accepted by Xerox arising out of any inaccuracies or omissions.

Other company trademarks are also acknowledged.

About This Manual ..... ii  
How to Use this Documentation..... ii  
Safety Information .....iii  
Health and Safety Incident Reporting..... v  
Translated Warnings .....vi

## 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](mailto: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 ..... 8

## 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

<b>Chain 12</b> .....	<b>10</b>	024-926 Punch Box Set Fail. ....	38
012-112 H-Transport Entrance Sensor ON Jam .....	10	024-928 Scratch Sheet Compile .....	38
012-132 Finisher Entrance Sensor ON Jam .....	11	024-963 Punch Dust Box Full .....	39
012-151 Compile Exit Sensor OFF Jam .....	11	024-976 Staple NG .....	39
012-152 Compile Exit Sensor ON Jam .....	12	024-977 Staple Ready Sensor Fail .....	40
012-161 Set Eject Jam .....	12	024-979 Stacker Low Staple .....	40
012-189 Finisher Spec Out Jam .....	13	024-980 Stacker Tray Full Stack .....	41
012-210 Finisher NVM Read/Write Fail .....	13	024-982 Stacker Lower Safety Warning .....	41
012-211 Stacker Tray Fail .....	14	<b>Chain 112</b> .....	<b>42</b>
012-212 Stacker Tray Upper Limit Fail .....	14	112-700 Punch Dust Nearly Full .....	42
012-213 Stacker Tray Lower Limit Fail .....	15	<b>Other Faults</b> .....	<b>43</b>
012-221 Front Tamper Home Sensor ON Fail .....	15	OF 1 Reflective Sensor Failure RAP .....	43
012-223 Front Tamper Home Sensor OFF Fail .....	16	OF 2 Permeable Sensor Failure RAP .....	44
012-224 Rear Tamper Home Sensor OFF Fail .....	16	OF 3 Switch (Normal/Open) Failure RAP .....	44
012-231, 12-320 Punch Home Sensor On Fail .....	17	OF 4 Solenoid/Clutch Not Energized Failure RAP .....	45
012-232 Punch Home Sensor Off Fail .....	17	OF 5 Solenoid/Clutch Left Energized Failure RAP .....	45
012-243 Knife Home Sensor ON Fail .....	18	OF 6 Motor Does Not Rotate Failure RAP .....	46
012-249 Booklet Front Stapler Fail .....	18	OF 7 Motor Left Running Failure RAP .....	46
012-263 Rear Tamper Home Sensor ON Fail .....	19	OF 8 NIP/Release Solenoid Not Energized Failure RAP .....	47
012-265 Knife Home Sensor OFF Fail .....	19		
012-268 Booklet Rear Stapler Fail .....	20		
012-269 Booklet Sub CPU Comm Fail .....	20		
012-283 Set Clamp Home Sensor ON Fail .....	21		
012-284 Set Clamp Home Sensor OFF Fail .....	21		
012-291 Stapler Fail .....	22		
012-295 Staple Move Position Sensor ON Fail .....	22		
012-296 Staple Move Position Sensor OFF Fail .....	23		
012-300 Eject Cover Open .....	23		
012-302 Front Door Open .....	24		
012-303 H-Transport Cover Open .....	24		
012-305 Booklet Option SW Open .....	25		
012-319 Booklet Sub CPU Download Mode Fail .....	25		
012-333 Punch Sub CPU Download Mode Fail .....	26		
012-334 Downloader Fail (SubSystem) .....	26		
012-351 Finisher Logic Fail (SubSystem:Finisher) .....	27		
012-405 Stapler Near Empty .....	27		
012-406 Booklet Pre Low Staple F .....	28		
012-407 Booklet Pre Low Staple R .....	28		
012-912 Finisher Static Jam .....	29		
012-978 Booklet Front/Rear Stapler NG .....	29		
012-984 Booklet Low Staple F .....	30		
012-989 Booklet Low Staple R .....	30		
<b>Chain 13</b> .....	<b>31</b>		
013-210 Booklet Staple Move Home Sensor ON Fail .....	31		
013-211 Booklet Staple Move Home Sensor OFF Fail .....	32		
013-212 Booklet Staple Move Position Sensor ON Fail .....	32		
013-213 Booklet Staple Move Position Sensor OFF Fail .....	33		
013-220 Booklet Fold Detect Fail .....	33		
013-250 Punch Sub CPU Comm Fail .....	34		
013-291 Eject Cam Home Sensor ON Fail .....	34		
013-292 Eject Cam Home Sensor OFF Fail RAP .....	35		
013-306 Booklet Safety SW Open .....	35		
013-307 Booklet Cover Open .....	36		
<b>Chain 24</b> .....	<b>36</b>		
024-916 Stacker Mix Size Full Stack .....	37		
024-917 Stacker Set Over .....	37		

## 012-112 H-Transport Entrance Sensor ON Jam

BSD-ON: [BSD 40.8](#)

The H-Transport Entrance Sensor does not switch ON within the specified time.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The H-Transport Assembly for improper installation. ([PL 71.1](#))
- The H-Transport Motor (DC330 [012-011]) for operation failure. ([PL 71.3](#))
- The H-Transport Entrance Sensor (DC330 [012-111]) for failure. ([PL 71.3](#))
- Usage of out of spec paper, etc.
- The paper for curls and waves.
- The paper transport path for foreign objects (bits of paper, etc.).
- The Bearing Entrance Roll Assembly/Bearing Middle Roll Assembly for nip failure. ([PL 71.3](#))
- The H-Transport Lower Chute for deformation/disengagement. ([PL 71.3](#))
- The Top Cover Assembly for deformation/damage/improper latching. ([PL 71.2](#))
- The spring for disengagement.
- Removal of Exit 1/Exit 2 Paper Weight Assembly.
- The HTU Transport Roll for wear and revolution failure.
- The IOT Transport Roll for wear and revolution failure.
- The IOT Transport Roll Drive Motor for malfunction and revolution failure.
- Check the connection between Finisher Main PWB J8701 and H-Transport Motor J8761 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8701 and H-Transport Entrance Sensor J8759 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-132 Finisher Entrance Sensor ON Jam

BSD-ON: [BSD 40.10](#)

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

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The H-Transport Assembly for improper installation. ([PL 71.1](#))
- The Finisher for improper docking. ([PL 71.1](#))
- The H-Transport Motor (DC330 [012-011]) for operation failure. ([PL 71.3](#))
- The Finisher Entrance Sensor (DC330 [012-112]) for failure. ([PL 71.16](#))
- Usage of out of spec paper, etc.
- The paper for curls and waves.
- The paper transport path for foreign objects (bits of paper, etc.).
- The HTU Transport Roll for nip failure, wear, and revolution failure.
- The Top Cover Assembly for deformation/damage/improper latching. ([PL 71.2](#))
- The H-Transport Lower Chute for deformation/disengagement. ([PL 71.3](#))
- The Punch Assembly and Punch Dummy Chute for improper installation/deformation/disengagement. ([PL 71.2](#))
- The Punch Pin for operation failure.
- Check the connection between Finisher Main PWB J8701 and H-Transport Motor J8761 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8705 and Finisher Entrance Sensor J8731 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-151 Compile Exit Sensor OFF Jam

BSD-ON: [BSD 40.10](#)

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

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The H-Transport Motor (DC330 [012-011]) for operation failure. ([PL 71.3](#))
- The Finisher Transport Motor (DC330 [012-012]) for operation failure. ([PL 71.17](#))
- The Compile Exit Sensor (DC330 [012-113]) for failure. ([PL 71.16](#))
- Usage of out of spec paper, etc.
- The paper for curls and waves.
- The paper transport path for foreign objects (bits of paper, etc.).
- The HTU Transport Roll for wear and revolution failure.
- The Entrance Roll Assembly for wear and revolution failure. ([PL 71.16](#))
- The Folder Assembly and Fold Dummy Chute for improper installation/deformation/disengagement. ([PL 71.18](#))
- The Knife of Folder Assembly for improper storage.
- Check the connection between Finisher Main PWB J8701 and H-Transport Motor J8761 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8713 and Finisher Transport Motor J8744 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8705 and Compile Exit Sensor J8732 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-152 Compile Exit Sensor ON Jam

BSD-ON: [BSD 40.10](#)

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

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The H-Transport Motor (DC330 [012-011]) for operation failure. ([PL 71.3](#))
- The Finisher Transport Motor (DC330 [012-012]) for operation failure. ([PL 71.17](#))
- The Compile Exit Sensor (DC330 [012-113]) for failure. ([PL 71.16](#))
- Usage of out of spec paper, etc.
- The paper for curls and waves.
- The paper transport path for foreign objects (bits of paper, etc.).
- The HTU Transport Roll for wear and revolution failure.
- The Entrance Roll Assembly for wear and revolution failure. ([PL 71.16](#))
- The Folder Assembly and Fold Dummy Chute for improper installation/deformation/disengagement. ([PL 71.18](#))
- The Knife of Folder Assembly for improper storage.
- Check the connection between Finisher Main PWB J8701 and H-Transport Motor J8761 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8713 and Finisher Transport Motor J8744 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8705 and Compile Exit Sensor J8732 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-161 Set Eject Jam

BSD-ON: [BSD 40.11](#) and [BSD 40.18](#)

The Compile Tray No Paper Sensor does not switch OFF when paper output to the Stacker Tray is complete.

The Compile Tray No Paper Sensor does not switch OFF within the specified time, at the timing of paper insertion into the Booklet.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Eject Motor (DC330 [012-065/066 (Forward/Reverse)]) for operation failure. ([PL 71.12](#))
- The Eject Motor (DC330 [012-060/061 (Home/Down UP)]) for operation failure. ([PL 71.13](#))
- The Compile Tray No Paper Sensor (DC330 [012-120]) for failure. ([PL 71.15](#))
- The Eject Cam Home Sensor (DC330 [012-160]) for failure. ([PL 71.13](#))
- The Eject Pinch Cam and Sub Paddle Cam mechanism for sliding failure. ([PL 71.13](#))
- Check the connection between Finisher Main PWB J8712 and Eject Motor J8743 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8709 and Eject Lift Motor J8742 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-189 Finisher Spec Out Jam

BSD-ON: [BSD 40.5](#)

The paper transport interval is at, or shorter than, the allowable tolerance.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Finisher Transport Motor (DC330 [012-012]) for operation failure. ([PL 71.17](#))
- The Finisher Entrance Sensor (DC330 [012-112]) for failure. ([PL 71.16](#))
- The Compile Exit Sensor (DC330 [012-113]) for failure. ([PL 71.16](#))
- The Finisher Transport Roll for wear and revolution failure.
- The IOT Transport Roll for wear and revolution failure.
- The IOT Transport Roll Drive Motor for malfunction and revolution failure.
- Check the connection between Finisher Main PWB J8705 and Finisher Transport Motor J8744 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8705 and Finisher Entrance Sensor J8731 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8705 and Compile Exit Sensor J8732 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-210 Finisher NVM Read/Write Fail

BSD-ON: [BSD 40.5](#)

An error occurred when accessing the NVM.

### Procedure

Check the following:

- Switch the power OFF and ON.
- The connection of every Finisher Main PWB connector. ([PL 71.20](#))

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-211 Stacker Tray Fail

BSD-ON: [BSD 40.19](#)

The Stacker Motor Pulse is not output within the specified time when the Stacker Tray is rising or dropping.

The Stacker Height Sensor did not switch ON within the specified time after the Stacker Tray has started rising.

The Stacker Height Sensor did not switch OFF within the specified time after the Stacker Tray has started dropping.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Stacker Motor (DC330 [012-071/072 (Lift Up/Lift Down)]) for operation failure. ([PL 71.10](#))
- The Stacker Height Sensor (DC330 [012-171]) for failure. ([PL 71.13](#))
- The Drive section for operation failure.
- The Stacker Tray for loading due to obstruction.
- The Belt for loose tension or disengagement.
- The Set Clamp for operation failure. ([PL 71.13](#))
- Check the connection between Finisher Main PWB J8714 and Stacker Motor J8745 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8706 and Stacker Height Sensor J8736 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-212 Stacker Tray Upper Limit Fail

BSD-ON: [BSD 40.19](#)

After the Stacker Home Sensor switched ON while the Stacker Tray was rising, it did not switch OFF within the specified time.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Stacker Motor (DC330 [012-071/072 (Lift Up/Lift Down)]) for operation failure. ([PL 71.10](#))
- The Stacker Home Sensor (DC330 [012-170]) for failure. ([PL 71.10](#))
- The Drive section for operation failure.
- The Belt for loose tension or disengagement.
- Check the connection between Finisher Main PWB J8714 and Stacker Motor J8745 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8706 and Stacker Home Sensor J8735 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))



## 012-213 Stacker Tray Lower Limit Fail

BSD-ON: [BSD 40.19](#)

The Stacker Tray has dropped abnormally below the specified lower limit level.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Stacker Motor (DC330 [012-071/072 (Lift Up/Lift Down)]) for operation failure. ([PL 71.10](#))
- The Stacker Home Sensor (DC330 [012-170]) for failure. ([PL 71.10](#))
- The Drive section for operation failure.
- The Belt for loose tension or disengagement.
- Check the connection between Finisher Main PWB J8714 and Stacker Motor J8745 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8706 and Stacker Home Sensor J8735 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-221 Front Tamper Home Sensor ON Fail

BSD-ON: [BSD 40.11](#)

The Front Tamper Home Sensor does not switch ON within the specified time after the Front Tamper started moving towards the home position.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Front Tamper Motor (DC330 [012-030/031/032/033 (Front\_Low Speed/Front\_High Speed/Rear\_Low Speed/Rear\_High Speed)]) for operation failure. ([PL 71.15](#))
- The Front Tamper Home Sensor (DC330 [012-130]) for failure. ([PL 71.15](#))
- The Tamper Slide section for deformation.
- The Front Tamper Motor Drive section for foreign objects.
- The Front Tamper Home Sensor for foreign objects.
- Check the connection between Finisher Main PWB J8710 and Front Tamper Motor J8751 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8710 and Front Tamper Home Sensor J8750 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-223 Front Tamper Home Sensor OFF Fail

BSD-ON: [BSD 40.11](#)

The Front Tamper Home Sensor does not switch OFF after the operation to switch OFF the Front Tamper Home Sensor has stopped.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Front Tamper Motor (DC330 [012-030/031/032/033 (Front\_Low Speed/Front\_High Speed/Rear\_Low Speed/Rear\_High Speed)]) for operation failure. ([PL 71.15](#))
- The Front Tamper Home Sensor (DC330 [012-130]) for failure. ([PL 71.15](#))
- The Tamper Slide section for deformation.
- The Front Tamper Motor Drive section for foreign objects.
- The Front Tamper Home Sensor for foreign objects.
- Check the connection between Finisher Main PWB J8710 and Front Tamper Motor J8751 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8710 and Front Tamper Home Sensor J8750 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-224 Rear Tamper Home Sensor OFF Fail

BSD-ON: [BSD 40.11](#)

The Rear Tamper Home Sensor did not switch OFF within the specified time after the Rear Tamper started moving away from the home position.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Rear Tamper Motor (DC330 [012-035/036/037/038 (Front\_Low Speed/Front\_High Speed/Rear\_Low Speed/Rear\_High Speed)]) for operation failure. ([PL 71.15](#))
- The Rear Tamper Home Sensor (DC330 [012-131]) for failure. ([PL 71.15](#))
- The Tamper Slide section for deformation.
- The Rear Tamper Motor Drive section for foreign objects.
- The Rear Tamper Home Sensor for foreign objects.
- Check the connection between Finisher Main PWB J8710 and Rear Tamper Motor J8752 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8710 and Rear Tamper Home Sensor J8749 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-231, 12-320 Punch Home Sensor On Fail

BSD-ON: [BSD 40.9](#)

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

The Punch operation does not end within the specified time.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Punch Home Sensor (DC330 [012-180]) for failure. ([PL 71.4](#))
- The Punch Assembly for improper installation/deformation/disengagement. ([PL 71.2](#))
- The area around Punch holes in the paper transport path for foreign objects (bits of paper, etc.).
- Usage of out of spec paper, etc.
- Check the connection between Punch PWB J8782 and Punch Home Sensor J8791 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Punch PWB. ([PL 71.4](#))

## 012-232 Punch Home Sensor Off Fail

BSD-ON: [BSD 40.9](#)

The Punch Home Sensor does not switch OFF within the specified time.

The Punch operation does not end within the specified time.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Punch Home Sensor (DC330 [012-180]) for failure. ([PL 71.4](#))
- The Punch Assembly for improper installation/deformation/disengagement. ([PL 71.2](#))
- The area around Punch holes in the paper transport path for foreign objects (bits of paper, etc.).
- Usage of out of spec paper, etc.
- Check the connection between Punch PWB J8782 and Punch Home Sensor J8791 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Punch PWB. ([PL 71.4](#))

## 012-243 Knife Home Sensor ON Fail

BSD-ON: [BSD 40.23](#)

The Folder Knife Home Sensor does not switch ON within the specified time.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Folder Knife Motor (DC330 [012-090/091 (Forward/Reverse)]) for operation failure. ([PL 71.19](#))
- The Folder Knife Home Sensor (DC330 [013-189]) for failure. ([PL 71.19](#))
- Insufficient folding strength due to usage of out of spec paper, etc.
- The Folder Assembly for improper installation.
- The Folder Assembly for foreign objects.
- The Knife operation mechanism for foreign objects.
- The Folder Knife Home Sensor for improper installation. ([PL 71.19](#))
- Check the connection between Finisher Main PWB J8703 (C) and Folder Knife Motor J8905 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8703 (C) and Folder Knife Home Sensor J8904 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Booklet PWB ([PL 71.6](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-249 Booklet Front Stapler Fail

BSD-ON: [BSD 40.21](#)

After the Front Staple Motor started operating, it did not return to the home position within the specified time.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Front Staple Motor (DC330 [012-092/093 (Forward/Reverse)]) for operation failure. ([PL 71.8](#))
- The Booklet Staple Move Home Sensor (DC330 [012-194]) for failure. ([PL 71.8](#))
- The Front Staple Cam Switch (DC330 [012-190]) for failure. ([PL 71.8](#))
- Insufficient stapling strength due to usage of out of spec paper, etc.
- The Booklet Front Stapler Assembly for failure. ([PL 71.8](#))
- The area around the Booklet Front Stapler Assembly for foreign objects.
- Check for a Stapler Jam.
- Check the connection between Booklet PWB J8807 and Front Staple Motor J8830 for open circuit, short circuit, and improper connection.
- Check the connection between Booklet PWB J8805 and Booklet Staple Move Home Sensor J8821 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Booklet PWB ([PL 71.6](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-263 Rear Tamper Home Sensor ON Fail

BSD-ON: [BSD 40.21](#)

After the Rear Tamper started moving to the home position, the Rear Tamper Home Sensor did not switch ON within the specified time.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Rear Tamper Motor (DC330 [012-035/036/037/038 (Front\_Low Speed/Front\_High Speed/Rear\_Low Speed/Rear\_High Speed)]) for operation failure. ([PL 71.15](#))
- The Rear Tamper Home Sensor (DC330 [012-131]) for failure. ([PL 71.15](#))
- The Tamper Slide section for deformation.
- The Rear Tamper Motor Drive section for foreign objects.
- The Rear Tamper Home Sensor for foreign objects.
- Check the connection between Finisher Main PWB J8710 and Rear Tamper Motor J8752 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8710 and Rear Tamper Home Sensor J8749 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-265 Knife Home Sensor OFF Fail

BSD-ON: [BSD 40.23](#)

The Folder Knife Home Sensor does not switch OFF within the specified time.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Folder Knife Motor (DC330 [012-090/091 (Forward/Reverse)]) for operation failure. ([PL 71.19](#))
- The Folder Knife Home Sensor (DC330 [013-189]) for failure. ([PL 71.19](#))
- Insufficient folding strength due to usage of out of spec paper, etc.
- The Folder Assembly for improper installation.
- The Folder Assembly for foreign objects.
- The Knife operation mechanism for foreign objects.
- The Folder Knife Home Sensor for improper installation. ([PL 71.19](#))
- Check the connection between Finisher Main PWB J8703 (C) and Folder Knife Motor J8905 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8703 (C) and Folder Knife Home Sensor J8904 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Booklet PWB ([PL 71.6](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-268 Booklet Rear Stapler Fail

BSD-ON: [BSD 40.22](#)

After the Rear Staple Motor started operating, it did not return to the home position within the specified time.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Rear Staple Motor (DC330 [012-094/095 (Forward/Reverse)]) for operation failure. ([PL 71.8](#))
- The Booklet Staple Move Home Sensor (DC330 [012-194]) for failure. ([PL 71.8](#))
- The Rear Staple Cam Switch (DC330 [012-191]) for failure. ([PL 71.8](#))
- Insufficient stapling strength due to usage of out of spec paper, etc.
- The Booklet Rear Stapler Assembly for failure. ([PL 71.8](#))
- The area around the Booklet Rear Stapler Assembly for foreign objects.
- Check for Stapler Jam.
- Check the connection between Booklet PWB J8807 and Rear Staple Motor J8831 for open circuit, short circuit, and improper connection.
- Check the connection between Booklet PWB J8805 and Booklet Staple Move Home Sensor J8821 for open circuit, short circuit, and improper connection.
- Check the connection between Booklet PWB J8807 and Rear Staple Cam Switch J8831 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Booklet PWB ([PL 71.6](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-269 Booklet Sub CPU Comm Fail

BSD-ON: [BSD 40.6](#)

A failure has occurred in the communication between the Finisher Main PWB and the Booklet PWB.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- Check the screws at the Booklet docking section.
- Check the installation of the gasket at the Booklet docking section.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Booklet PWB ([PL 71.6](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-283 Set Clamp Home Sensor ON Fail

BSD-ON: [BSD 40.18](#)

The Set Clamp Home Sensor does not switch ON within the specified time after the Set Clamp operation has started.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Eject Motor (DC330 [012-065/066 (Forward/Reverse)]) for operation failure. ([PL 71.12](#))
- The Set Clamp Home Sensor (DC330 [012-161]) for failure. ([PL 71.12](#))
- The Set Clamp Clutch (DC330 [012-067]) for operation failure. ([PL 71.12](#))
- The Set Clamp mechanism for revolution failure and sliding failure.
- Check the connection between Finisher Main PWB J8712 and Eject Motor J8743 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8705 and Set Clamp Home Sensor J8734 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8711 and Set Clamp Clutch J8746 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-284 Set Clamp Home Sensor OFF Fail

BSD-ON: [BSD 40.18](#)

The Set Clamp Home Sensor does not switch OFF within the specified time after the Set Clamp operation has started.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Eject Motor (DC330 [012-065/066 (Forward/Reverse)]) for operation failure. ([PL 71.12](#))
- The Set Clamp Home Sensor (DC330 [012-161]) for failure. ([PL 71.12](#))
- The Set Clamp Clutch (DC330 [012-067]) for operation failure. ([PL 71.12](#))
- The Set Clamp mechanism for revolution failure and sliding failure.
- Check the connection between Finisher Main PWB J8712 and Eject Motor J8743 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8705 and Set Clamp Home Sensor J8734 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8711 and Set Clamp Clutch J8746 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-291 Stapler Fail

BSD-ON: [BSD 40.16](#)

The Staple Home Sensor was not detected to switch from OFF to ON within the specified time after the Staple Motor On (forward operation).

Or, the Staple Home Sensor does not switch ON within the specified time after the Staple Motor On (reverse operation).

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Staple Motor (DC330 [012-042/043 (Forward/Reverse)]) for operation failure. ([PL 71.26](#))
- The Staple Home Sensor (DC330 [012-143]) for failure. ([PL 71.26](#))
- Usage of out of spec paper, etc.
- The Stapler Assembly for failure. ([PL 71.26](#))
- The area around the Stapler Assembly for foreign objects.
- Check the connection between Staple FFC PWB J8777 and Staple Motor J8756 for open circuit, short circuit, and improper connection.
- Check the connection between Staple FFC PWB J8777 and Staple Home Sensor J8757 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8715 and Staple FFC PWB J8776 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Staple FFC PWB ([PL 71.28](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-295 Staple Move Position Sensor ON Fail

BSD-ON: [BSD 40.12](#)

After the Stapler has started moving to the Staple Position, the Staple Move Position Sensor does not switch ON within the specified time.

The Staple Move Position Sensor switched ON during the Staple Motor Slow-Up.

After the Stapler has completed moving to the Staple Position, the Staple Move Position Sensor switched OFF.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Staple Motor (DC330 [012-040/041 (Forward/Reverse)]) for operation failure. ([PL 71.26](#))
- The Staple Move Position Sensor (DC330 [012-140]) for failure. ([PL 71.27](#))
- The Staple Move Position Sensor for improper installation.
- The Rail Base Plate Assembly for deformation. ([PL 71.27](#))
- The Rail Base Plate Assembly for foreign objects.
- Check the connection between Staple FFC PWB J8777 and Staple Motor J8756 for open circuit, short circuit, and improper connection.
- Check the connection between Staple FFC PWB J8777 and Staple Move Position Sensor J8754 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8715 and Staple FFC PWB J8776 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Staple FFC PWB ([PL 71.28](#))
- Finisher Main PWB ([PL 71.20](#))



## 012-296 Staple Move Position Sensor OFF Fail

BSD-ON: [BSD 40.12](#)

After the Stapler has started moving to the Staple Position, the Staple Move Position Sensor does not switch OFF within the specified time.

After the Stapler has completed moving to the Staple Position, the Staple Move Position Sensor switched ON.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Staple Motor (DC330 [012-040/041 (Forward/Reverse)]) for operation failure. ([PL 71.26](#))
- The Staple Move Position Sensor (DC330 [012-140]) for failure. ([PL 71.27](#))
- The Staple Move Position Sensor for improper installation.
- The Rail Base Plate Assembly for deformation. ([PL 71.27](#))
- The Rail Base Plate Assembly for foreign objects.
- Check the connection between Staple FFC PWB J8777 and Staple Motor J8756 for open circuit, short circuit, and improper connection.
- Check the connection between Staple FFC PWB J8777 and Staple Move Position Sensor J8754 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8715 and Staple FFC PWB J8776 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Staple FFC PWB ([PL 71.28](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-300 Eject Cover Open

BSD-ON: [BSD 40.2](#)

The RH Top Cover is open.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Eject Cover Switch (DC330 [012-121]) for failure. ([PL 71.12](#))
- The Eject Cover Switch for improper installation. ([PL 71.12](#))
- The Eject Cover Switch for foreign objects. ([PL 71.12](#))
- The RH Top Cover for improper installation. ([PL 71.9](#))
- The RH Top Cover door hinge for damage. ([PL 71.9](#))
- The RH Top Cover Actuator for damage. ([PL 71.9](#))
- Check the RH Top Cover magnet. ([PL 71.9](#))
- The interlock circuit for open circuit. (BSD CH40.2)
- The connection of Finisher Main PWB connector. ([PL 71.20](#))

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-302 Front Door Open

BSD-ON: [BSD 40.2](#)

The Front Cover Assembly is open.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Finisher Front Door Switch (DC330 [012-101]) for failure. ([PL 71.18](#))
- The Finisher Front Door Switch for improper installation. ([PL 71.18](#))
- The Finisher Front Door Switch for foreign objects. ([PL 71.18](#))
- The Front Cover Assembly for improper installation. ([PL 71.9](#))
- The Front Cover Assembly door hinge for damage. ([PL 71.9](#))
- The Front Cover Assembly Actuator for damage. ([PL 71.9](#))
- Check the Front Cover Assembly magnet. ([PL 71.9](#))
- The interlock circuit for open circuit. (BSD CH40.2)
- To ensure good connections, reseal the Finisher Main PWB connector. ([PL 71.20](#))

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-303 H-Transport Cover Open

BSD-ON: [BSD 40.8](#)

The Top Cover Assembly is open.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The H-Transport Open Sensor (DC330 [012-114]) for failure. ([PL 71.3](#))
- The H-Transport Open Sensor for improper installation. ([PL 71.3](#))
- The H-Transport Open Sensor for foreign objects. ([PL 71.3](#))
- The Top Cover Assembly for improper installation. ([PL 71.2](#))
- The Top Cover Assembly door hinge for damage. ([PL 71.2](#))
- The Top Cover Assembly Actuator for damage. ([PL 71.2](#))
- Check the Top Cover Assembly magnet. ([PL 71.2](#))
- The interlock circuit for an open circuit. (BSD CH40.8)
- To ensure good connections, reseal the Finisher Main PWB connector. ([PL 71.20](#))

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012–305 Booklet Option SW Open

BSD-ON: [BSD 40.4](#)

The Booklet Option Switch was detected to be open (ON).

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Option Switch (DC330 [012-199]) for failure. ([PL 71.7](#))
- The installation status of the Booklet Assembly
- The link mechanism at Booklet Rear side for malfunction.
- Check the connection between Booklet PWB J8811 and Option Switch J8826 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if problems persist.

- Booklet PWB ([PL 71.6](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-319 Booklet Sub CPU Download Mode Fail

BSD-ON: [BSD 40.6](#)

When the Booklet controlling Sub CPU was downloading data, it ended abnormally and can only start in Download Mode at Power ON.

**Note:** This Fail is a Sub System failure and its occurrence cuts off the +24 VDC\_C13. (Refer to BSD CH40.1)

### Procedure

Check the following:

- Switch the power OFF, then ON.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for an open circuit, a short circuit, and an improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Booklet PWB ([PL 71.6](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-333 Punch Sub CPU Download Mode Fail

BSD-ON: [BSD 40.6](#)

When the Hole Punch controlling Sub CPU was downloading data, it ended abnormally and can only start in Download Mode at Power ON.

**Note:** This Fail is a Sub System failure and its occurrence cuts off the +24 VDC\_C13. (Refer to BSD CH40.1)

### Procedure

Check the following:

- Switch the power OFF, then ON.
- Check the connection between Finisher Main PWB J8701 and Punch PWB J8781 for open circuit, a short circuit, and an improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Punch PWB ([PL 71.4](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-334 Downloader Fail (SubSystem)

BSD-ON: [BSD 40.5](#)

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

**Note:** This Fail is a Sub System failure and its occurrence cuts off the +24 VDC\_C13. (Refer to BSD CH40.1)

### Initial Actions

Switch the power OFF, then ON.

### Procedure

Check the connection of the connecting cable between the Finisher and the IOT.

**The cable is connected securely.**

Y   N

|    Connect the cable securely.

Check the connection of the Finisher power cable.

**The power cable is plugged in securely.**

Y   N

|    Plug in the power cable securely.

Replace the Finisher Main PWB. ([PL 71.20](#))

## 012-351 Finisher Logic Fail (SubSystem:Finisher)

BSD-ON: [BSD 40.5](#)

Finisher Software processing error occurred.

**Note:** This Fail is a Sub System failure and its occurrence cuts off the +24 VDC\_C13. (Refer to BSD CH40.1)

### Procedure

Switch the power OFF, then ON.

## 012-405 Stapler Near Empty

BSD-ON: [BSD 40.16](#)

It was detected that the staples of the Stapler need to be replaced soon.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- Close the Front Cover Assembly. ([PL 71.9](#))
- The Low Staple Sensor (DC330 [012-141]) for operation failure. ([PL 71.26](#))
- The installation status of the Front Cover Assembly. ([PL 71.9](#))
- The Front Cover Assembly door hinge for damage. ([PL 71.9](#))
- The Front Cover Assembly Actuator for damage. ([PL 71.9](#))
- Check the Front Cover Assembly magnet. ([PL 71.9](#))
- Check the connection between Staple FFC PWB J8777 and Low Staple Sensor J8757 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8715 and Staple FFC PWB J8776 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Staple FFC PWB ([PL 71.28](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-406 Booklet Pre Low Staple F

BSD-ON: [BSD 40.6](#)

It was detected that the staples of the Booklet Stapler need to be replaced soon.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- Close the Top Cover. ([PL 71.5](#))
- The Booklet Cover Open Switch (DC330 [012-196]) for operation failure. ([PL 71.7](#))
- The installation status of the Top Cover. ([PL 71.5](#))
- The Top Cover door hinge for damage. ([PL 71.5](#))
- The Top Cover Actuator for damage. ([PL 71.5](#))
- Check the Top Cover magnet. ([PL 71.5](#))
- Check the connection between Booklet PWB J8804 and Booklet Cover Open Switch J8827 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Booklet PWB ([PL 71.28](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-407 Booklet Pre Low Staple R

BSD-ON: [BSD 40.6](#)

It was detected that the staples of the Booklet Stapler need to be replaced soon.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- Close the Top Cover. ([PL 71.5](#))
- The Booklet Cover Open Switch (DC330 [012-196]) for operation failure. ([PL 71.7](#))
- The installation status of the Top Cover. ([PL 71.5](#))
- The Top Cover door hinge for damage. ([PL 71.5](#))
- The Top Cover Actuator for damage. ([PL 71.5](#))
- Check the Top Cover magnet. ([PL 71.5](#))
- Check the connection between Booklet PWB J8804 and Booklet Cover Open Switch J8827 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Booklet PWB ([PL 71.6](#))
- Finisher Main PWB ([PL 71.20](#))

## 012-912 Finisher Static Jam

BSD-ON: [BSD 40.5](#)

Paper detected on the Finisher Paper Path Sensor.

### Procedure

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

- The Paper Path Sensor for operation and improper installation.
- Sensor detection due to foreign objects on the paper path.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 012-978 Booklet Front/Rear Stapler NG

BSD-ON: [BSD 40.21](#), [BSD 40.22](#)

The Front/Rear Staple Motor is unable to clinch normally and the Front/Rear Staple Cam Switch switched ON within the specified time after the reverse rotation operation has started.

### Initial Actions

Check the following:

- Switch the power OFF, then ON.
- Insufficient stapling strength due to usage of out of spec paper (In cases of insufficient strength, adjust the maximum no. of bind sheets at NVM [763-060]).
- The Booklet Stapler Assembly for position misalignment.
- The Booklet Stapler Assembly for Staple Jam.
- The area around the Booklet Stapler Assembly for foreign objects.

### Procedure

Check the connection of P/J8807, P/J8823, P/J8824, P/J8830, and P/J8831.

**These connectors are connected securely.**

Y N

| Connect these connectors securely.

Check the connection between J8807 and J8830 for open circuit and short circuit (CH40.22).

**The wire between J8807 and J8830 is conducting without an open circuit or a short circuit.**

Y N

| Repair the open circuit or short circuit.

Check the connection between J8807 and J8831 for open circuit and short circuit (CH40.23).

**The wire between J8807 and J8831 is conducting without an open circuit or a short circuit.**

Y N

| Repair the open circuit or short circuit.

Replace the Booklet PWB ([PL 71.6](#)), Booklet Front Stapler Assembly (PL 71.8), or Booklet Rear Stapler Assembly ([PL 71.8](#)).

## 012-984 Booklet Low Staple F

BSD-ON: [BSD 40.21](#)

1. Booklet Stapler Low Staple F signal ON was detected just before Stapling operation.
2. Booklet Stapler Low Staple F signal ON was detected at Power ON or Interlock Close initialization.

### Initial Actions

Check the following:

- Switch the power OFF, then ON.
- The Staple Cartridge for deformation and damage.
- The receiving section of the Staple Cartridge for deformation and damage.

### Procedure

Check the no. of staples left in Booklet Stapler Front.

**There are enough staples left.**

Y N  
| Replace the Staple Cartridge.

Replace the Staple Cartridge and switch the power OFF, then ON.

**The same problem reoccurs.**

Y N  
| End.

Check the connection of P/J8807, P/J8823, and P/J8830.

**These connectors are connected securely.**

Y N  
| Connect these connectors securely.

Check the connection between J8807 and J8830 for short circuit (CH40.22).

**The wire between J8807 and J8830 is conducting without a short circuit.**

Y N  
| Repair the short circuit.

Check the contact of the Front Low Staple Switch on the Booklet Front Stapler Assembly ([PL 71.8](#)).  
With the Staple in Full status, check the conductivity between Booklet Front Stapler Assembly ([PL 71.8](#)) J8807-7 and J8807-6.

**It is insulated.**

Y N  
| Replace the Booklet Front Stapler Assembly ([PL 71.8](#)).

Replace the Booklet PWB ([PL 71.6](#)).

## 012-989 Booklet Low Staple R

BSD-ON: [BSD 40.22](#)

1. Booklet Stapler Low Staple R signal ON was detected just before Stapling operation.
2. Booklet Stapler Low Staple R signal ON was detected at Power ON or Interlock Close initialization.

### Initial Actions

Check the following:

- Switch the power OFF, then ON.
- The Staple Cartridge for deformation and damage.
- The receiving section of the Staple Cartridge for deformation and damage.

### Procedure

Check the no. of staples left in Booklet Stapler Rear.

**There are enough staples left.**

Y N  
| Replace the Staple Cartridge.

Replace the Staple Cartridge and switch the power OFF, then ON.

**The same problem reoccurs.**

Y N  
| End.

Check the connection of P/J8807, P/J8824, and P/J8831.

**These connectors are connected securely.**

Y N  
| Connect these connectors securely.

Check the connection between J8807 and J8831 for short circuit (CH40.22).

**The wire between J8807 and J8831 is conducting without a short circuit.**

Y N  
| Repair the short circuit.

Check the contact of the Rear Low Staple Switch on the Booklet Rear Stapler Assembly ([PL 71.8](#)).  
With the Staple in Full status, check the conductivity between Booklet Rear Stapler Assembly ([PL 71.8](#)) J8807-14 and J8807-13.

**It is insulated.**

Y N  
| Replace the Booklet Rear Stapler Assembly ([PL 71.8](#)).

Replace the Booklet PWB ([PL 71.6](#)).



## 013-210 Booklet Staple Move Home Sensor ON Fail

BSD-ON: [BSD 40.20](#)

The Booklet Staple Move Home Sensor did not switch ON within the specified time.

### Procedure

Check the following:

- Switch the power OFF and ON.
- The Booklet Staple Move Motor (DC330 [012-096/097 (In/Out)]) for operation failure. ([PL 71.8](#))
- The Booklet Staple Move Home Sensor (DC330 [012-194]) for failure. ([PL 71.8](#))
- The Booklet Staple Move Motor Drive section for operation failure.
- The Booklet Staple Move Home Sensor detection section for deformation/damage/disengagement/ foreign objects.
- The Booklet Stapler Assembly Slide section for increased loading due to deformation/warping etc.
- The inside of the Booklet Stapler Assembly moving spaces for foreign objects.
- Check the connection between Booklet PWB J8806 and Booklet Staple Move Motor J8906 for open circuit, short circuit, and improper connection.
- Check the connection between Booklet PWB J8805 and Booklet Staple Move Home Sensor J8821 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Booklet PWB ([PL 71.6](#))
- Finisher Main PWB ([PL 71.20](#))

## 013-211 Booklet Staple Move Home Sensor OFF Fail

BSD-ON: [BSD 40.20](#)

The Booklet Staple Move Home Sensor did not switch OFF within the specified time.

### Procedure

Check the following:

- Switch the power OFF and ON.
- The Booklet Staple Move Motor (DC330 [012-096/097 (In/Out)]) for operation failure. ([PL 71.8](#))
- The Booklet Staple Move Home Sensor (DC330 [012-194]) for failure. ([PL 71.8](#))
- The Booklet Staple Move Motor Drive section for operation failure.
- The Booklet Staple Move Home Sensor detection section for deformation/damage/disengagement/ foreign objects.
- The Booklet Stapler Assembly Slide section for increased loading due to deformation/warping etc.
- The inside of the Booklet Stapler Assembly moving spaces for foreign objects.
- Check the connection between Booklet PWB J8806 and Booklet Staple Move Motor J8906 for open circuit, short circuit, and improper connection.
- Check the connection between Booklet PWB J8805 and Booklet Staple Move Home Sensor J8821 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Booklet PWB ([PL 71.6](#))
- Finisher Main PWB ([PL 71.20](#))

## 013-212 Booklet Staple Move Position Sensor ON Fail

BSD-ON: [BSD 40.20](#)

The Booklet Staple Move Position Sensor did not switch ON within the specified time.

### Procedure

Check the following:

- Switch the power OFF and ON.
- The Booklet Staple Move Motor (DC330 [012-096/097 (In/Out)]) for operation failure. ([PL 71.8](#))
- The Booklet Staple Move Home Sensor (DC330 [012-195]) for failure. ([PL 71.8](#))
- The Booklet Staple Move Motor Drive section for operation failure.
- The Booklet Staple Move Home Sensor detection section for deformation/damage/disengagement/ foreign objects.
- The Booklet Stapler Assembly Slide section for increased loading due to deformation/warping etc.
- The inside of the Booklet Stapler Assembly moving spaces for foreign objects.
- Check the connection between Booklet PWB J8806 and Booklet Staple Move Motor J8906 for open circuit, short circuit, and improper connection.
- Check the connection between Booklet PWB J8805 and Booklet Staple Move Position Sensor J8822 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Booklet PWB ([PL 71.6](#))
- Finisher Main PWB ([PL 71.20](#))

## 013-213 Booklet Staple Move Position Sensor OFF Fail

BSD-ON: [BSD 40.20](#)

The Booklet Staple Move Position Sensor did not switch OFF within the specified time.

### Procedure

Check the following:

- Switch the power OFF and ON.
- The Booklet Staple Move Motor (DC330 [012-096/097 (In/Out)]) for operation failure. ([PL 71.8](#))
- The Booklet Staple Move Position Sensor (DC330 [012-195]) for failure. ([PL 71.8](#))
- The Booklet Staple Move Motor Drive section for operation failure.
- The Booklet Staple Move Position Sensor detection section for deformation/damage/disengagement/ foreign objects.
- The Booklet Stapler Assembly Slide section for increased loading due to deformation/warping etc.
- The inside of the Booklet Stapler Assembly moving spaces for foreign objects.
- Check the connection between Booklet PWB J8806 and Booklet Staple Move Motor J8906 for open circuit, short circuit, and improper connection.
- Check the connection between Booklet PWB J8805 and Booklet Staple Move Position Sensor J8822 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8702 and Booklet PWB J8801 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Booklet PWB ([PL 71.6](#))
- Finisher Main PWB ([PL 71.20](#))

## 013-220 Booklet Fold Detect Fail

BSD-ON: [BSD 40.6](#), [BSD 40.23](#)

Although the Booklet Assembly and Folder Assembly are installed, they cannot be detected normally.

### Initial Actions

Check the following:

- Switch the power OFF, then ON.
- Check the connection status of the Booklet Assembly.
- Check the connection status of the Folder Assembly.
- Check the connection cable between the Finisher and the Booklet Assembly for poor contact and improper insertion
- Check the connection cable between the Finisher and the Folder Assembly for poor contact and improper insertion

### Procedure

Switch the power OFF, then ON.

**The same problem reoccurs.**

Y    N  
|    End.

Check the connection of every Finisher Main PWB ([PL 71.20](#)) connector.

**The connectors are connected securely.**

Y    N  
|    End.

Connect the connectors securely.

Refer to BSD CH40.23 and check the circuit to Finisher Main PWB J8702-8/ J8703-7.

**The same problem reoccurs.**

Y    N  
|    End.

Replace the Finisher Main PWB ([PL 71.20](#)).

## 013-250 Punch Sub CPU Comm Fail

BSD-ON: [BSD 40.20](#)

Communication failure between the Main CPU and Punch Sub CPU was detected.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- Check the connection between Finisher Main PWB J8701 and Punch PWB J8781 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Punch PWB ([PL 71.4](#))
- Finisher Main PWB ([PL 71.20](#))

## 013-291 Eject Cam Home Sensor ON Fail

BSD-ON: [BSD 40.18](#)

The Eject Cam Home Sensor does not switch ON within the specified time.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Eject Cam Home Sensor (DC330 [012-160]) for failure. ([PL 71.13](#))
- The Eject Lift Motor (DC330 [012-060/061] (Home/Down UP)) for operation failure. ([PL 71.13](#))
- The Drive section for operation failure.
- Check the connection between Finisher Main PWB J8705 and Eject Cam Home Sensor J8733 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8709 and Eject Lift Motor J8742 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 013-292 Eject Cam Home Sensor OFF Fail RAP

BSD-ON: [BSD 39.7\[File not referenced in map\] \\_ATI\\_File\\_Not\\_Found\\_x-wc\\_-file=0000608683.xml](#)

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).

## 013-306 Booklet Safety SW Open

BSD-ON: [BSD 40.4](#)

The Booklet Front Safety Switch or the Booklet Rear Safety Switch is ON.

### Procedure

Check the following:

- That the Front Cover is not raised up
- That the Rear Cover is not raised up
- Switch the power OFF, then ON.
- The Booklet Front Safety Switch (DC330 [012-197]) for failure. ([PL 71.7](#))
- The Booklet Rear Safety Switch (DC330 [012-198]) for operation failure. ([PL 71.7](#))
- The Booklet Front Safety Switch for improper installation. ([PL 71.7](#))
- The Booklet Front Safety Switch connectors for improper connection. ([PL 71.7](#))
- The Booklet Rear Safety Switch for improper installation. ([PL 71.7](#))
- The Booklet Rear Safety Switch connector for improper connection. ([PL 71.7](#))
- The interlock circuit for open circuit. (BSD CH40.4)
- The connection of every Booklet PWB connector. ([PL 71.6](#))

If the problem persists, replace the Booklet PWB. ([PL 71.6](#))

## 013-307 Booklet Cover Open

BSD-ON: [BSD 40.4](#)

The Top Cover is open.

### Procedure

Check the following:

- That the Top Cover is not open.
- Switch the power OFF, then ON.
- The Booklet Cover Open Switch (DC330 [012-196]) for failure. ([PL 71.7](#))
- The Booklet Cover Open Switch for improper installation. ([PL 71.7](#))
- The Booklet Cover Open Switch Plate for improper installation. ([PL 71.7](#))
- The Booklet Cover Open Switch connectors for improper connection. ([PL 71.7](#))
- The Top Cover Actuator for damage.
- The interlock circuit for open circuit. (BSD CH40.4)
- The connection of Booklet PWB connector. ([PL 71.6](#))

If the problem persists, replace the Booklet PWB. ([PL 71.6](#))

## 024-916 Stacker Mix Size Full Stack

BSD-ON: [BSD 40.19](#)

One of the following conditions was met when Mixed Full was detected in the Finisher Stacker Tray.

- Compared to the maximum paper size that was loaded at the previous Job, the paper size (either transport direction or width direction) of the next Job is bigger.
- Staple mode has been changed while the width of the maximum paper size that was loaded at the previous Job is shorter than 279.4 mm.
- Since paper has remained in the Stacker Tray at Power On, the maximum paper size that was loaded at the previous Job is unknown.
- For Booklet Stapled Sets and Booklet Unstapled Sets, when Full capacity is detected by the stack amount, stack no. of sets, or the conditions set for 1 job.
- When a Booklet Stapled or Booklet Unstapled Job is started during mixed stacking.

**Note:** Refer to P6-58 for more details on the Stacker Capacity.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- Remove the paper from the Stacker Tray
- The Stacker Motor (DC330 [012-071/072 (Lift Up/Lift Down)]) for operation failure. ([PL 71.10](#))
- The Stacker Height Sensor (DC330 [012-171]) for failure. ([PL 71.13](#))
- The Stacker Home Sensor (DC330 [012-170]) for failure. ([PL 71.10](#))
- The Set Clamp for operation failure. ([PL 71.13](#))
- Check the connection between Finisher Main PWB J8714 and Stacker Motor J8745 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8706 and Stacker Height Sensor J8736 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8705 and Stacker Home Sensor J8735 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 024-917 Stacker Set Over

BSD-ON: [BSD 40.19](#)

The stack amount of the Stacker Tray has exceeded the standard no. of sets.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- Remove the paper from the Stacker Tray
- The Stacker Motor (DC330 [012-071/072 (Lift Up/Lift Down)]) for operation failure. ([PL 71.10](#))
- The Stacker Height Sensor (DC330 [012-171]) for failure. ([PL 71.13](#))
- The Stacker Home Sensor (DC330 [012-170]) for failure. ([PL 71.10](#))
- The Set Clamp for operation failure. ([PL 71.13](#))
- Check the connection between Finisher Main PWB J8714 and Stacker Motor J8745 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8706 and Stacker Height Sensor J8736 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8705 and Stacker Home Sensor J8735 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 024-926 Punch Box Set Fail

BSD-ON: [BSD 40.9](#), [BSD 40.1](#)

The Punch Dust Box Set Sensor did not detect the Dust Box Cover Assembly.

### Initial Actions

Check the following:

- Switch the power OFF, then ON.
- Check whether the Dust Box Cover Assembly is set. ([PL 71.2](#))
- Check whether the Dust Box Cover Assembly Actuator is deformed/damaged. ([PL 71.2](#))
- Check the installation of the Punch Dust Box Set Sensor. ([PL 71.4](#))
- Check the connection cable between the Finisher and the Folder Assembly for poor contact and improper insertion

### Procedure

Check the connection of P/J8792, P/J 8782, P/J8781, P/J8762, and P/J8701.

**These connectors are connected securely.**

Y    N

|    Connect these connectors securely.

Check the connection between J8792 and J8701 for open circuit and short circuit.

**The wire between J8792 and J8701 is conducting without an open circuit or a short circuit.**

Y    N

|    Repair the open circuit or short circuit.

Switch the power OFF, then ON.

**The same problem reoccurs.**

Y    N

|    End.

Go to 2.2.3.2 Permeable Sensor Failure RAP and fix the Punch Dust Box Set Sensor ([PL 71.4](#)).

## 024-928 Scratch Sheet Compile

BSD-ON: [BSD 40.5](#)

An abnormal paper was output to the Compiler.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Finisher Front Door Switch (DC330 [012-101]) for failure. ([PL 71.18](#))
- The Eject Cover Switch (DC330 [012-121]) for failure. ([PL 71.12](#))
- The installation status of the Front Cover Assembly. ([PL 71.9](#))
- The Front Cover Assembly door hinge for damage. ([PL 71.9](#))
- The Front Cover Assembly Actuator for damage. ([PL 71.9](#))
- Check the Front Cover Assembly magnet. ([PL 71.9](#))
- The installation status of the RH Top Cover. ([PL 71.9](#))
- The RH Top Cover door hinge for damage. ([PL 71.9](#))
- The RH Top Cover Actuator for damage. ([PL 71.9](#))
- Check the RH Top Cover magnet. ([PL 71.9](#))
- The interlock circuit for open circuit. (BSD CH40.2)
- The connection of every Finisher Main PWB connector. ([PL 71.6](#))

If the problem persists, replace the Finisher Main PWB. ([PL 71.6](#))



## 024-963 Punch Dust Box Full

BSD-ON: [BSD 40.9](#)

It is full with punch scrap.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Punch Dust Box Set Sensor (DC330 [012-181]) for failure. ([PL 71.4](#))
- Check the values of NVM [763-605/627/629]. (The status of Punch scrap count can be checked using NVM [763-626])
- Whether the User has been using the Punch on only Heavyweight paper.
- The Punch Dust Box Set Sensor detection section for deformation/damage. ([PL 71.4](#))
- The Punch Dust Box Set Sensor for foreign objects. ([PL 71.4](#))
- Check the connection between Punch PWB J8782 and Punch Dust Box Set Sensor J8792 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Punch PWB. ([PL 71.4](#))

## 024-976 Staple NG

BSD-ON: [BSD 40.16](#)

The Staple Home Sensor was not detected to switch from OFF to ON within the specified time in the Staple operation, but it was detected to have switched ON within the specified time after the Reverse operation.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Staple Motor (DC330 [012-042/043 (Forward/Reverse)]) for operation failure. ([PL 71.26](#))
- The Staple Home Sensor (DC330 [012-143]) for failure. ([PL 71.26](#))
- Insufficient stapling strength due to usage of out of spec paper, etc. In cases of insufficient strength, adjust the maximum no. of bind sheets at NVM [763-058].
- The Stapler Assembly for failure. ([PL 71.26](#))
- The area around the Stapler Assembly for foreign objects. ([PL 71.26](#))
- Check the connection between Staple FFC PWB J8777 and Staple Motor J8756 for open circuit, short circuit, and improper connection.
- Check the connection between Staple FFC PWB J8777 and Staple Home Sensor J8757 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8715 and Staple FFC PWB J8776 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Staple FFC PWB ([PL 71.28](#))
- Finisher Main PWB ([PL 71.20](#))

## 024-977 Staple Ready Sensor Fail

BSD-ON: [BSD 40.16](#)

The Staple Ready Sensor was OFF at the start of Staple operation.

The Staple Ready Sensor was OFF within the specified count for empty stapling operation.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Staple Motor (DC330 [012-042/043 (Forward/Reverse)]) for operation failure. ([PL 71.26](#))
- The Staple Ready Sensor (DC330 [012-142]) for failure. ([PL 71.26](#))
- Insufficient stapling strength due to usage of out of spec paper, etc. In cases of insufficient strength, adjust the maximum no. of bind sheets at NVM [763-058].
- The Stapler Assembly for failure. ([PL 71.26](#))
- The area around the Stapler Assembly for foreign objects. ([PL 71.26](#))
- The Staple Cartridge for improper installation.
- Check the connection between Staple FFC PWB J8777 and Staple Motor J8756 for open circuit, short circuit, and improper connection.
- Check the connection between Staple FFC PWB J8777 and Staple Ready Sensor J8757 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8715 and Staple FFC PWB J8776 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Staple FFC PWB ([PL 71.28](#))
- Finisher Main PWB ([PL 71.20](#))

## 024-979 Stacker Low Staple

BSD-ON: [BSD 40.16](#)

The Low Staple Sensor was detected to be ON during Power ON and Interlock Off.

The Low Staple Sensor was detected to be ON just before Stapler Motor On.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Low Staple Sensor (DC330 [012-141]) for failure. ([PL 71.26](#))
- Replenish the staples.
- The Staple Cartridge for improper installation.
- The Staple Cartridge for deformation/damage.
- Check the connection between Staple FFC PWB J8777 and Low Staple Sensor J8757 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8715 and Staple FFC PWB J8776 for open circuit, short circuit, and improper connection.

If the problem persists, replace the following parts in sequence. However, for each part, check whether the Fail still occurs and return the part to its position only if the problems persist.

- Staple FFC PWB ([PL 71.28](#))
- Finisher Main PWB ([PL 71.20](#))

## 024-980 Stacker Tray Full Stack

BSD-ON: [BSD 40.19](#)

The current position of Stacker Tray has exceeded the Full Stack threshold value.

The number of sheets that is stacked on the Stacker Tray has exceeded the maximum number of sheets.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- Check the paper on the Stacker Tray.
- The Stacker Motor (DC330 [012-071/072 (Lift Up/Lift Down)]) for operation failure. ([PL 71.10](#))
- The Stacker Height Sensor (DC330 [012-171]) for failure. ([PL 71.13](#))
- The Stacker Home Sensor (DC330 [012-170]) for failure. ([PL 71.10](#))
- The Set Clamp for operation failure. ([PL 71.13](#))
- Check the connection between Finisher Main PWB J8714 and Stacker Motor J8745 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8706 and Stacker Height Sensor J8736 for open circuit, short circuit, and improper connection.
- Check the connection between Finisher Main PWB J8705 and Stacker Home Sensor J8735 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Finisher Main PWB. ([PL 71.20](#))

## 024-982 Stacker Lower Safety Warning

BSD-ON: [BSD 40.19](#)

Unable to adjust the height within the specified time.

### Initial Actions

Check the following:

- Switch the power OFF, then ON.
- Check the installation of the sensor.

### Procedure

Remove the paper from the Stacker. Check the lift-up/down path of the Stacker for any obstruction.

**The lift-up/down mechanism is normal, with no obstruction.**

Y N

| Clear away the obstruction.

Check the Drive Gear for wear, revolution failure, and damage.

**The Drive Gear is normal, with no wear, revolution failure, or damage.**

Y N

| Replace the Drive Gear that is worn out, has revolution failure, or broken.

Check the Belt for looseness and disengagement.

**The Belt is normal, with no looseness or disengagement.**

Y N

| Repair the looseness and disengagement of the Belt.

Execute DC330 [012-071] (Stacker Motor Up On/Off) and DC330 [012-072] (Stacker Motor Down On/Off) alternately.

**The Stacker Tray rises/drops normally.**

Y N

| Go to 2.2.3.6 Motor Does Not Rotate Failure RAP and fix the Stacker Motor ([PL 71.10](#)).

Execute DC330 [012-171] (Stacker Height Sensor). Raise/lower the Stacker Tray.

**The display changes.**

Y N

| Go to 2.2.3.2 Permeable Sensor Failure RAP and fix the Stacker Height Sensor ([PL 71.13](#)).

Replace the Finisher Main PWB ([PL 71.20](#)).

## 112-700 Punch Dust Nearly Full

BSD-ON: [BSD 40.9](#)

The Punch Dust Box was detected to be near full.

### Procedure

Check the following:

- Switch the power OFF, then ON.
- The Punch Dust Box Set Sensor (DC330 [012-181]) for failure. ([PL 71.4](#))
- Check the values of NVM [763-605/628/630]. (The status of Punch scrap count can be checked using NVM [763-626])
- Whether the User has been using the Punch on only Heavyweight paper.
- The Punch Dust Box Set Sensor detection section for deformation/damage. ([PL 71.4](#))
- The Punch Dust Box Set Sensor for foreign objects. ([PL 71.4](#))
- Check the connection between Punch PWB J8782 and Punch Dust Box Set Sensor J8792 for open circuit, short circuit, and improper connection.

If the problem persists, replace the Punch PWB. ([PL 71.4](#))

## OF 1 Reflective Sensor Failure RAP

### Procedure

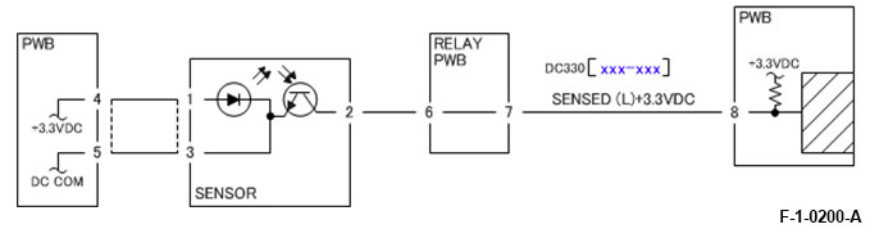


Figure 1 Reflective Sensor Failure

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

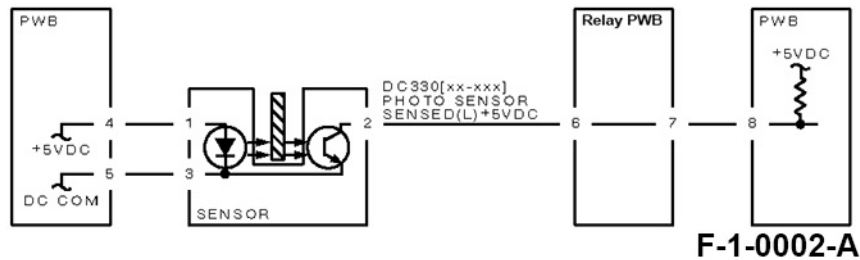


Figure 1 Permeable Sensor Failure

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

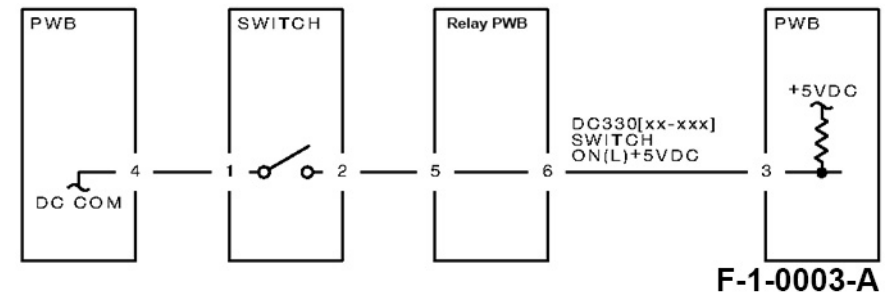


Figure 1 Switch (Normal/Open) Failure

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 persist, replace the switch.

## OF 4 Solenoid/Clutch Not Energized Failure RAP

### Procedure

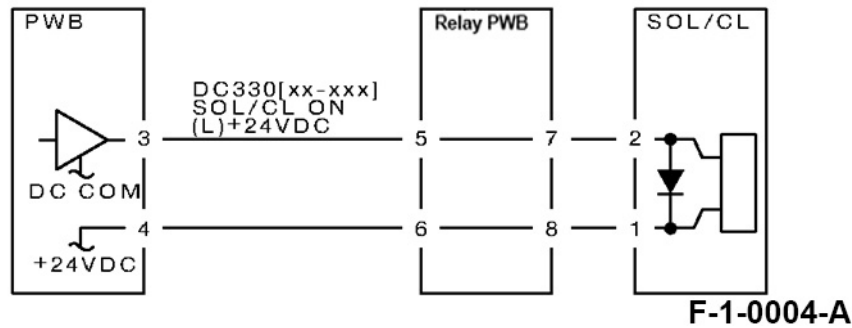


Figure 1 Solenoid/Clutch Not Energized Failure

**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 100hm or less.

Y	N
	Replace the PWB.

Check the connection between the connector pin-3 and the solenoid/clutch pin-2 for a short circuit. If the problems persist, replace the solenoid/clutch.

## OF 6 Motor Does Not Rotate Failure RAP

### Procedure

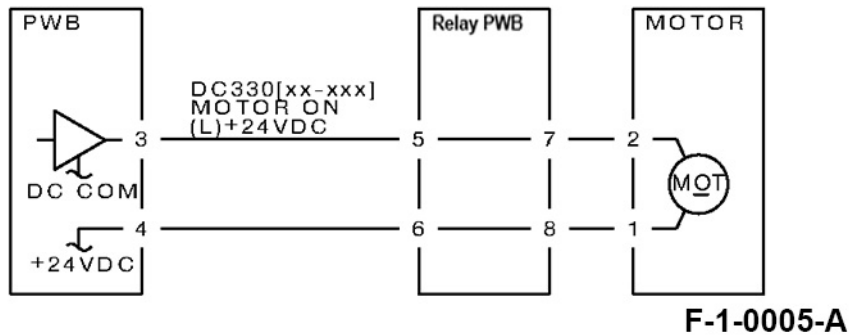


Figure 1 Motor Does Not Rotate Failure

**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 100hm or less.

Y N

Replace the PWB.

Check the connection between the connector pin-3 and the motor pin-2 for a short circuit. If the problems persist, replace the motor.



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

### Procedure

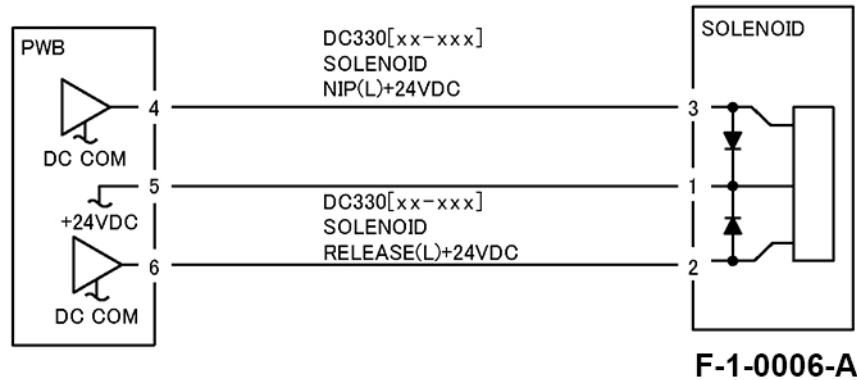


Figure 1 NIP/Release Solenoid Not Energized Failure

**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

<b>Repairs</b> .....	<b>49</b>
<b>Chain 1</b> .....	<b>49</b>
REP 1.1 H-Transport Assembly .....	49
REP 1.2 Booklet Assembly (Option).....	50
REP 1.3 Detaching the Office Finisher.....	52
<b>Chain 2</b> .....	<b>54</b>
REP 2.1 H-Transport Belt .....	54
<b>Chain 3</b> .....	<b>56</b>
REP 3.1 H-Transport Motor Assembly .....	57
<b>Chain 8</b> .....	<b>59</b>
REP 8.1 Front Stapler Assembly, Rear Stapler Assembly.....	59
REP 8.2 Front Rack Gear, Rear Rack Gear .....	60
REP 8.3 Booklet Staple Move Motor Assembly.....	67
<b>Chain 9</b> .....	<b>73</b>
REP 9.1 Top Cover Assembly .....	74
<b>Chain 10</b> .....	<b>75</b>
REP 10.1 Front Clamp Belt Carriage Assembly, Rear Clamp Belt Carriage Assembly .....	76
REP 10.2 Tray Guide.....	78
REP 10.3 Stacker Motor Assembly .....	80
<b>Chain 11</b> .....	<b>82</b>
REP 11.1 Eject Motor Drive Bracket Assembly .....	82
<b>Chain 13</b> .....	<b>84</b>
REP 13.1 Eject Chute Assembly .....	84
REP 13.2 Set Clamp Main Shaft Assembly .....	87
<b>Chain 14</b> .....	<b>89</b>
REP 14.1 Compile Tray Assembly .....	89
<b>Chain 16</b> .....	<b>92</b>
REP 16.1 Main Paddle Shaft .....	92
REP 16.2 Upper Chute Assembly .....	93
REP 16.3 Finisher Entrance Sensor.....	96
<b>Chain 17</b> .....	<b>97</b>
REP 17.1 Finisher Transport Motor Assembly .....	98
REP 17.2 Transport Belt .....	98
<b>Chain 18</b> .....	<b>99</b>
REP 18.1 Folder Assembly (Option).....	100
REP 18.2 Dummy Chute.....	100
<b>Chain 22</b> .....	<b>101</b>
REP 22.1 Rail Assembly.....	101
REP 22.2 Stapler Assembly.....	103
<b>Adjustments</b> .....	<b>104</b>
ADJ 2.1 Hole Punch Tool .....	104
ADJ 18.1 Adjust Booklet Fold Position.....	105

## REP 1.1 H-Transport Assembly

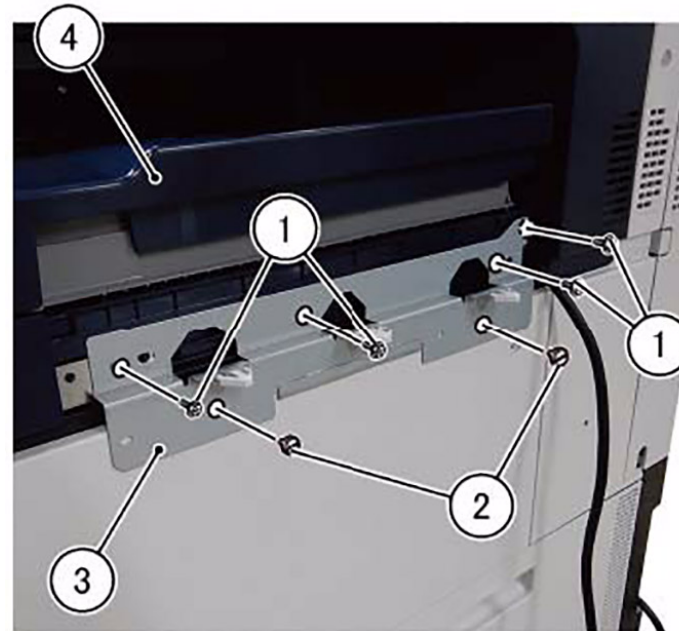
Parts List on [PL 71.1](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

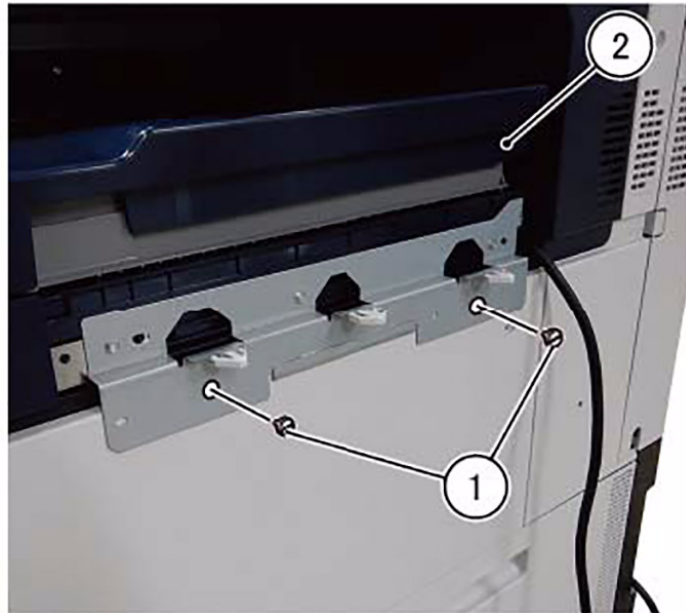
1. If the Hole Punch unit is present, dispose the punch scraps.
2. Detach the Office Finisher. ([REP 1.3](#))
3. For replacement of the H-Transport Assembly, go to Step 3.  
For replacement of the parts in H-Transport Assembly, go to Step 4.
4. Remove the Docking Bracket Assembly and remove the H-Transport Assembly. ([Figure 1](#))
  - a. Remove the screw (x4).
  - b. Remove the Thumbscrew (x2).
  - c. Remove the Docking Bracket Assembly.
  - d. Remove the H-Transport Assembly.



F-1-0208-A

**Figure 1** Removal of the Docking Bracket Assembly

5. Remove the H-Transport Assembly. ([Figure 2](#))
  - a. Remove the Thumbscrew (x2).
  - b. Remove the H-Transport Assembly.



F-1-0209-A

Figure 2 Removal of the H-Transport Assembly

### Replacement

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

## REP 1.2 Booklet Assembly (Option)

Parts List on [PL 71.1](#)

### Removal

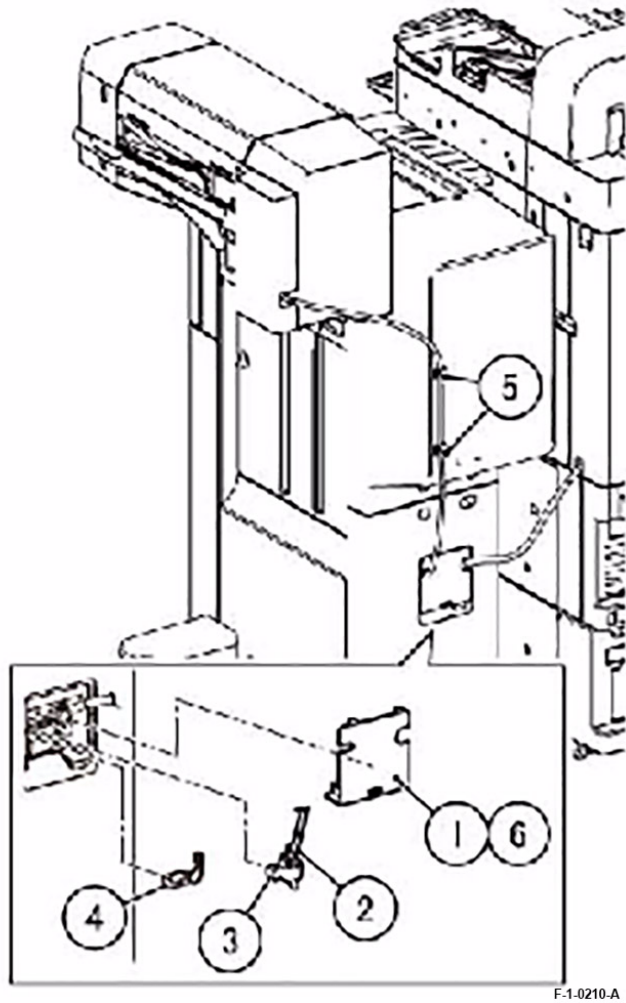


**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.



**CAUTION:** When removing the Booklet Assembly, do it with 2 persons as the unit is heavy. Take good care during servicing to avoid back injury.

1. Disconnect the cable of Booklet Assembly that is connected to the rear of Office Finisher. (Figure 1)
  - a. Remove the Connector Cover.
  - b. Remove the fixing on the Push Tie.
  - c. Disconnect the connector.
  - d. Connect the Dummy Connector.
  - e. Free the clamp (x2) and release the harness.
  - f. Install the Connector Cover.

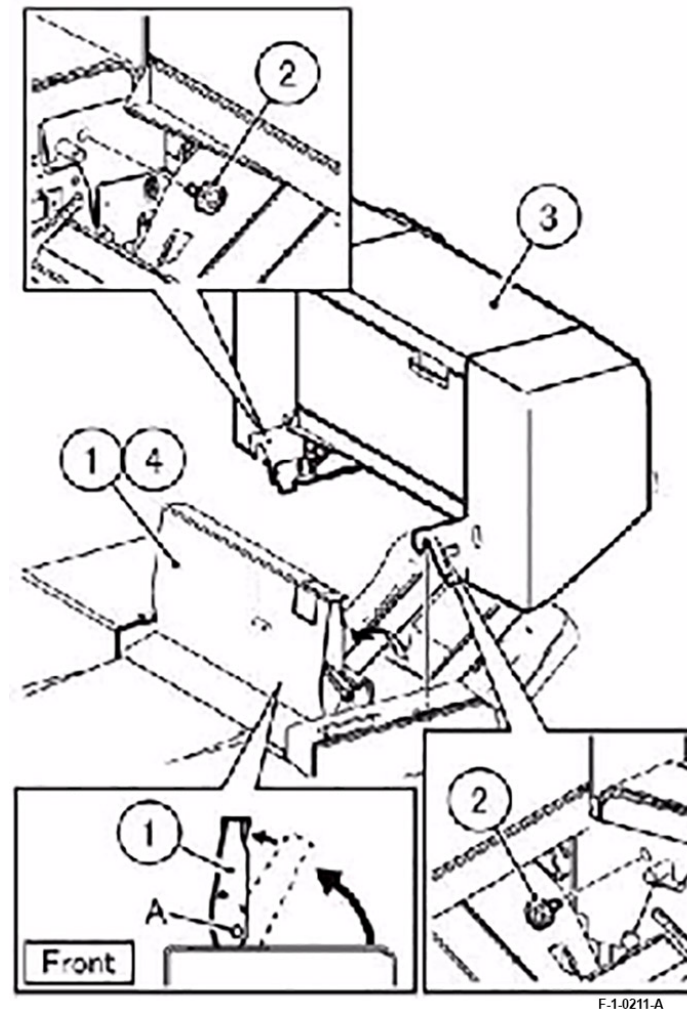


**Figure 1** Disconnect the cable of Booklet Assembly

2. Remove the Booklet Assembly. (Figure 2)

**Note:** As the Booklet Assembly is heavy, take good care during servicing to avoid back injury.

- a. While pressing indentation A of the Top Cover Assembly with your finger, open the Top Cover Assembly in two stages.
- b. Remove the Thumbscrew (x2).
- c. Remove the Booklet Assembly.
- d. Close the Top Cover Assembly.



**Figure 2** Removal of the Booklet Assembly

### Replacement

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

## REP 1.3 Detaching the Office Finisher

Parts List on [PL 71.1](#)

### Removal

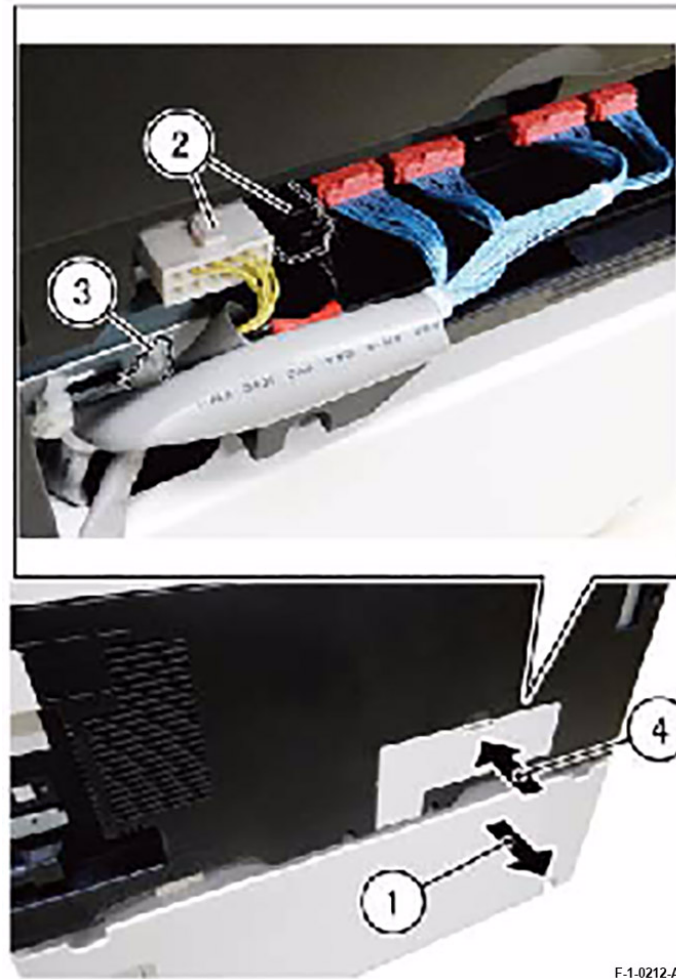


**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.



**CAUTION:** When detaching the Office Finisher from an IOT with Booklet Assembly, because the Office Finisher is unstable on its own, be sure to remove the Booklet Assembly first.

1. Disconnect all Office Finisher cables that are connected to the Rear of the IOT. (Figure 1)
  - a. Remove the Connector Cover.
  - b. Disconnect the connector (x2).
  - c. Release the Push Tie.
  - d. Install the Connector Cover.

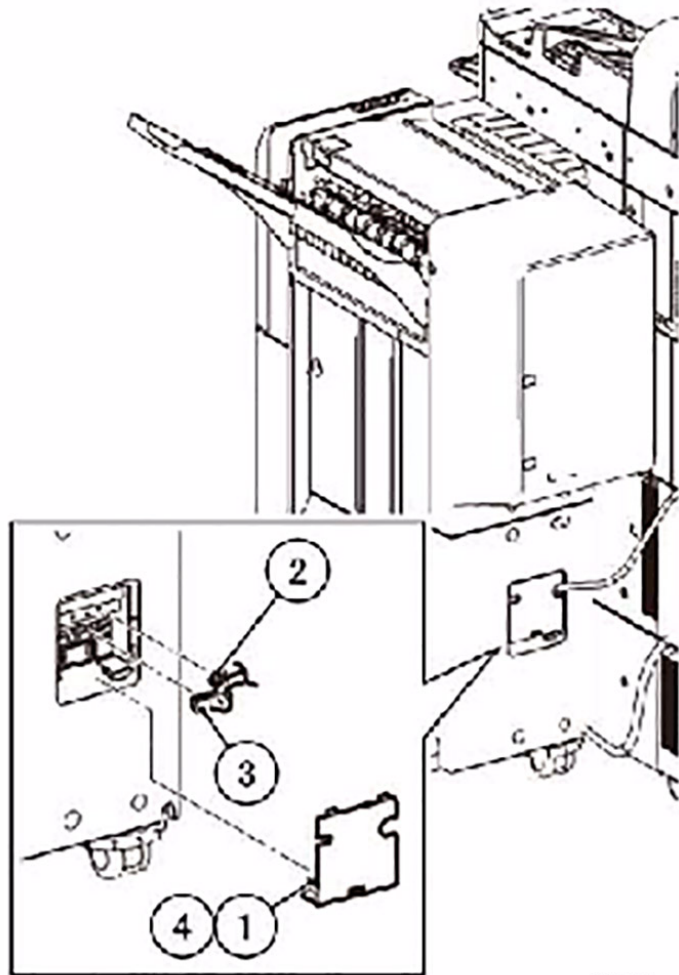


F-1-0212-A

Figure 1 Disconnecting all Office Finisher cables

2. Disconnect the cable of the H-Transport Assembly from the Office Finisher. (Figure 2)
  - a. Remove the Connector Cover.
  - b. Release the Push Tie.
  - c. Disconnect the connector.
  - d. Install the Connector Cover.





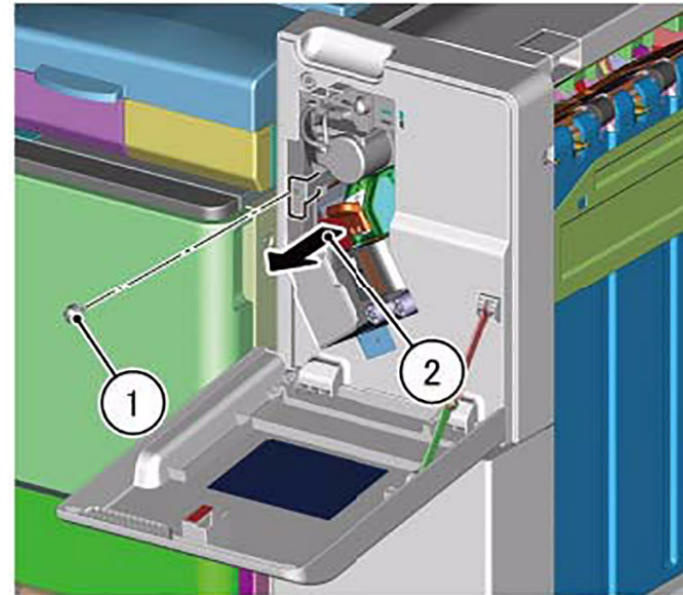
F-1-0213-A

Figure 2 Disconnecting the cable of the H-Transport Assembly

3. Open the Door Cover Assembly of the Office Finisher.
4. Remove the Thumbscrew that secures the Docking Lever and detach the Office Finisher. (Figure 3)

**Note:** If the machine has a Booklet Assembly, be sure to remove the Booklet Assembly first.

- a. Remove the Thumbscrew.
- b. Pull the Docking Lever towards you and detach the Office Finisher.



F-1-0214-A

Figure 3 Removal of the Thumbscrew

5. Close the Door Cover Assembly of the Office Finisher.

### Replacement

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

## REP 2.1 H-Transport Belt

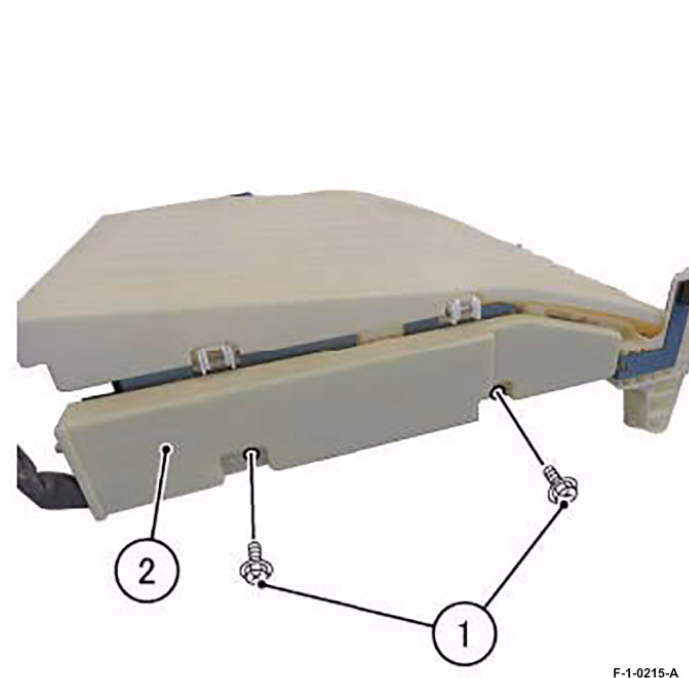
Parts List on [PL 71.2](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

1. If the Hole Punch unit is present, dispose the punch scraps.
2. Remove the H-Transport Assembly. ([REP 1.1](#))
3. Remove the Rear Cover. ([Figure 1](#))
  - a. Remove the screw (x2).
  - b. Remove the Rear Cover.

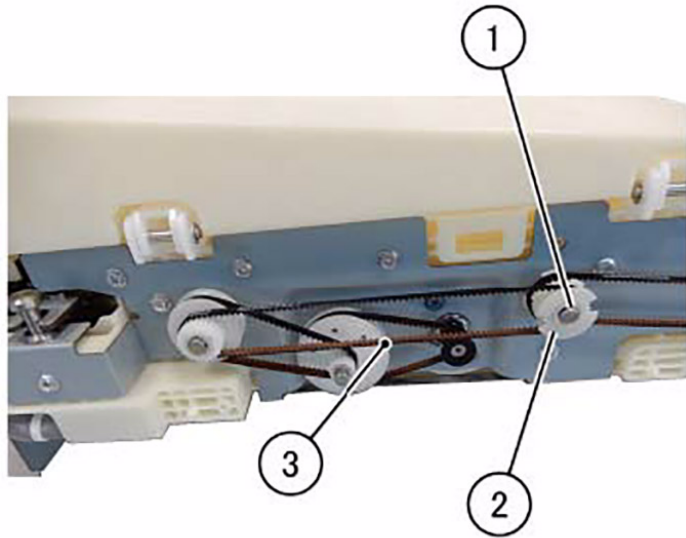


F-1-0215-A

**Figure 1** Removing the Rear Cover

4. Remove the Belt. ([Figure 2](#))
  - a. Remove the E-Clip.
  - b. Remove the Collar.
  - c. Remove the Belt.

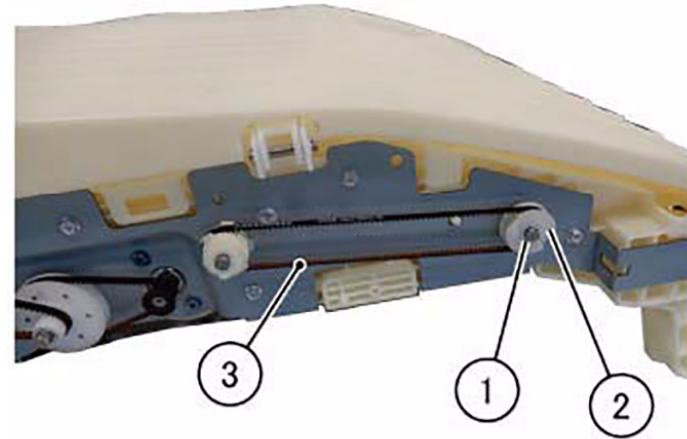




F-1-0216-A

**Figure 2 Removing the Belt**

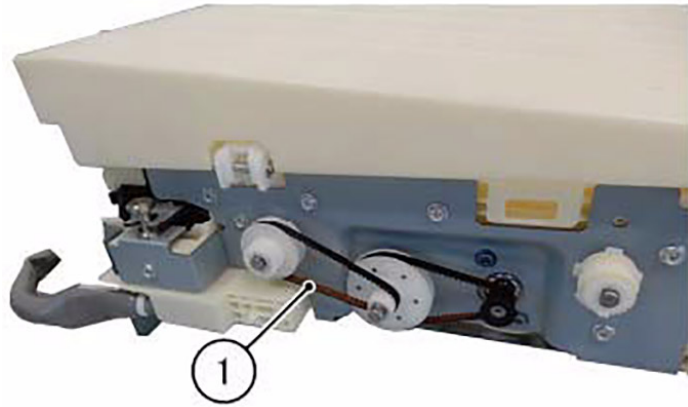
5. Remove the Belt. (Figure 3)
  - a. Remove the E-Clip.
  - b. Remove the Collar.
  - c. Remove the Belt.



F-1-0217-A

**Figure 3 Removing the Belt**

6. Remove the Idler Belt. (Figure 4)
  - a. Remove the Idler Belt.



F-1-0218-A

#### Figure 4 Removing the Idler Belt Replacement

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

## REP 3.1 H-Transport Motor Assembly

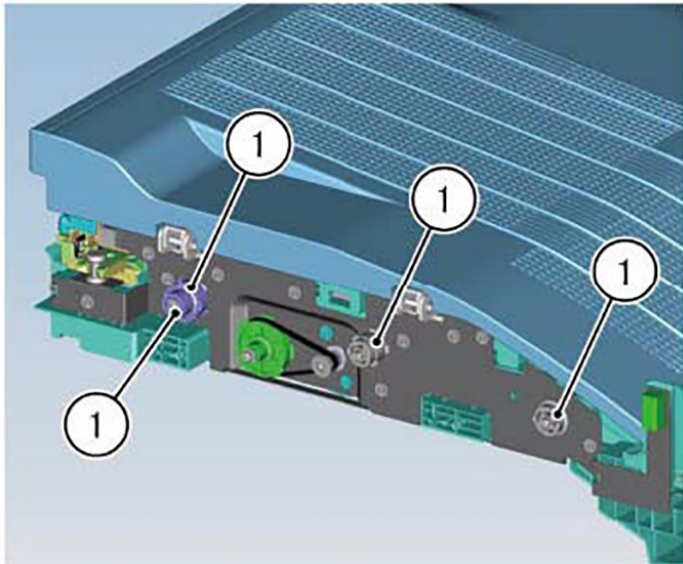
Parts List on [PL 71.3](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

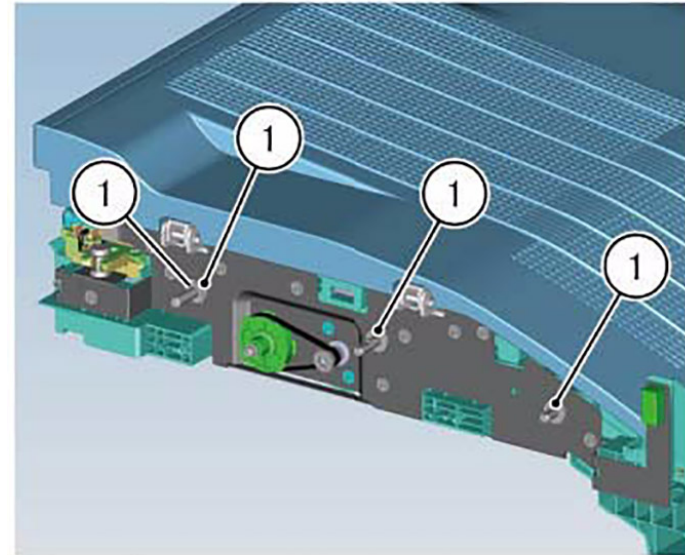
1. Remove the H-Transport Belt. ([REP 2.1](#))
2. Remove the E-Clip and Gear (x3). ([Figure 1](#))
  - a. Remove the E-Clip and Gear (x3).



F-1-0219-A

**Figure 1 Removal of the E-Clip and Gear**

3. Remove the washer and bearing (x3). ([Figure 2](#))
  - a. Remove the washer and bearing (x3).



F-1-0220-

**Figure 2 Removal of the washer and bearing**

4. Turn the H-Transport Assembly upside down.
5. Remove the Bracket Assy-Cover GB. ([Figure 3](#))
  - a. Release the Push Tie.
  - b. Release the harness from the Harness Guide.
  - c. Disconnect the connector.
  - d. Remove the screw (x10).
  - e. Remove the Bracket Assy-Cover GB.

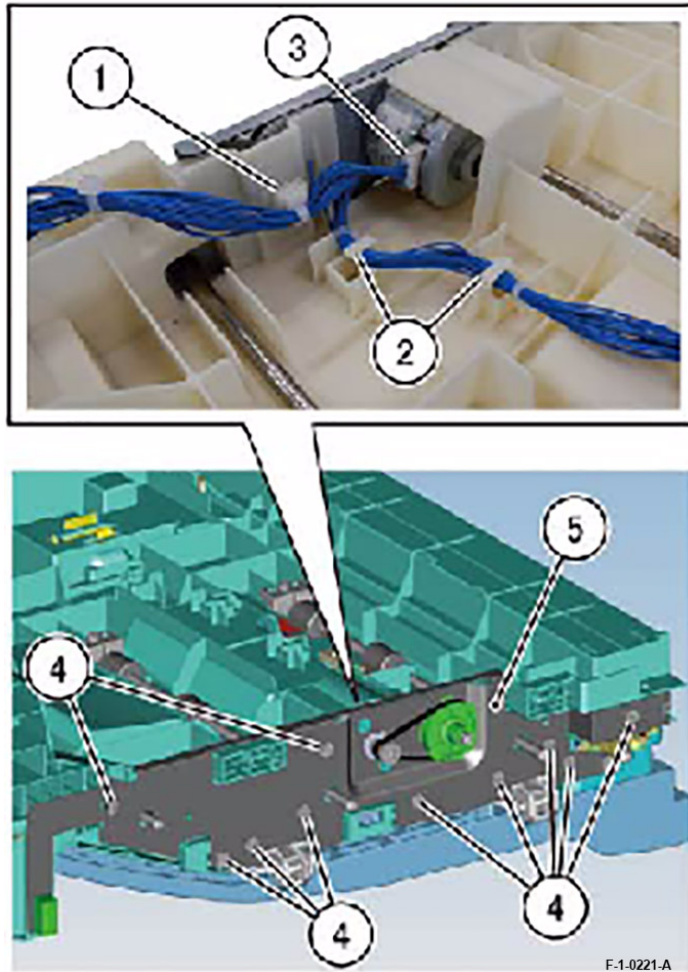


Figure 3 Removal of the Bracket Assy-Cover GB

6. Remove the H-Transport Motor Assembly. (Figure 4)
  - a. Remove the screw (x2).
  - b. Remove the H-Transport Motor Assembly.

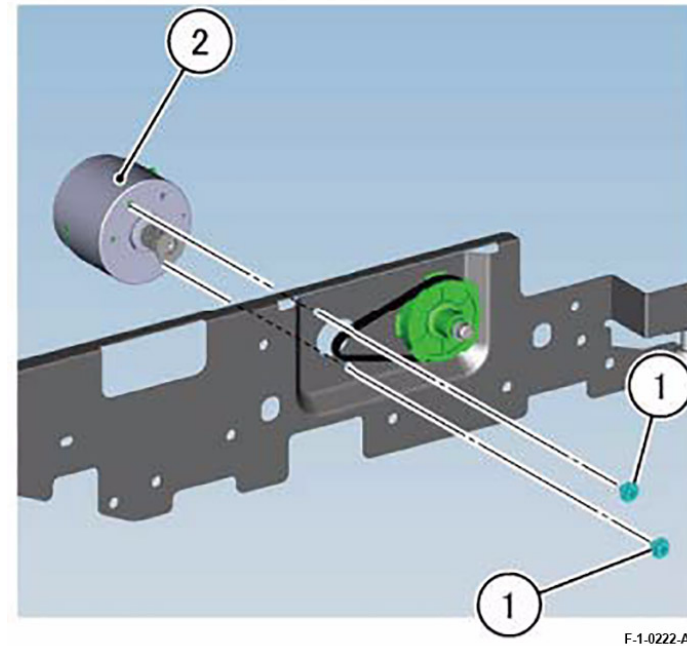


Figure 4 Removal of the H-Transport Motor Assembly Replacement

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

## REP 8.1 Front Stapler Assembly, Rear Stapler Assembly

Parts List on [PL 71.8](#)

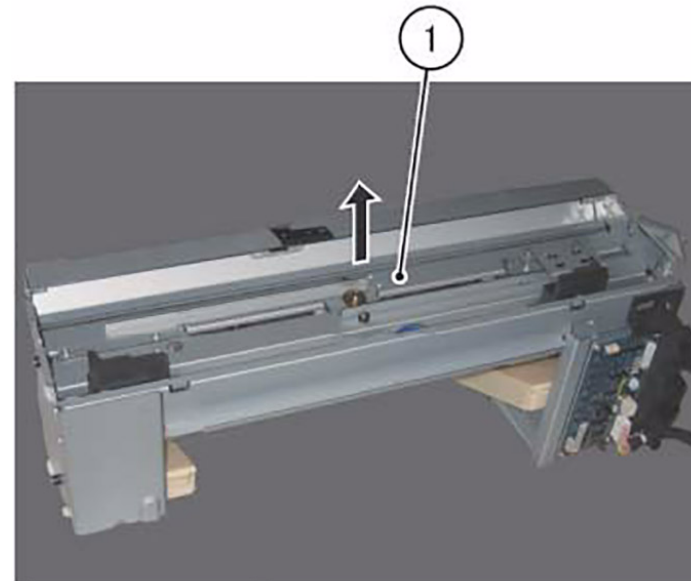
### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

**Note:** Because the removal procedure for the Front Stapler Assembly and the Rear Stapler Assembly is the same, the following describes only the procedure for the Front Stapler Assembly.

1. Remove the Front Rack Gear and the Rear Rack Gear. ([REP 8.2](#))
2. Remove the Booklet Stapler Assembly. ([Figure 1](#))
  - a. Remove the Booklet Stapler Assembly.

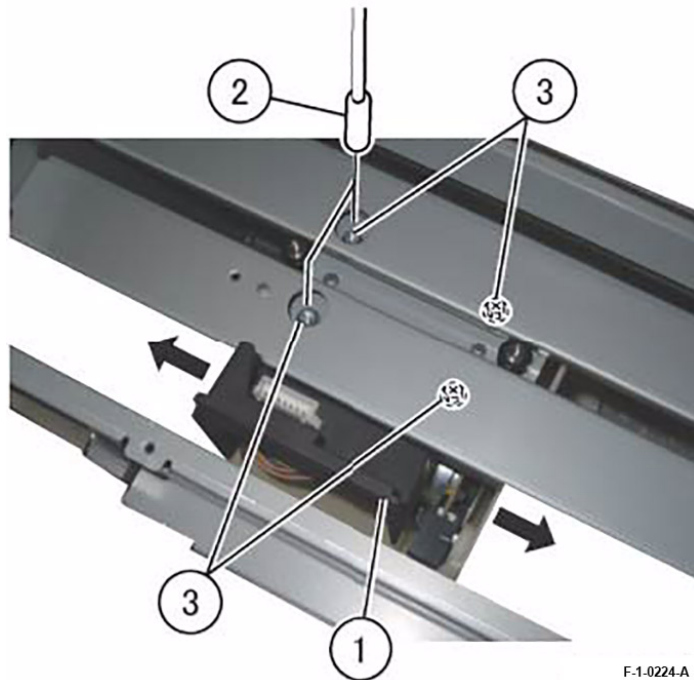


F-1-0223-A

**Figure 1** Removal of the Booklet Stapler Assembly

3. Remove the Front Stapler Assembly. ([Figure 2](#))
  - a. Move the screws that secure the Front Stapler Assembly until they are positioned under the hole of the Frame.
  - b. Insert the driver into the hole and remove the screw (x4).
  - c. Remove the Front Stapler Assembly.





F-1-0224-A

**Figure 2 Removal of the Front Stapler Assembly  
Replacement**

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

## REP 8.2 Front Rack Gear, Rear Rack Gear

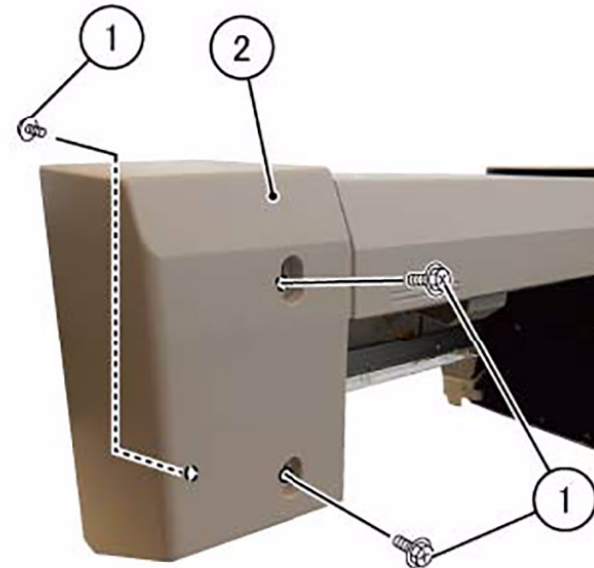
Parts List on [PL 71.8](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

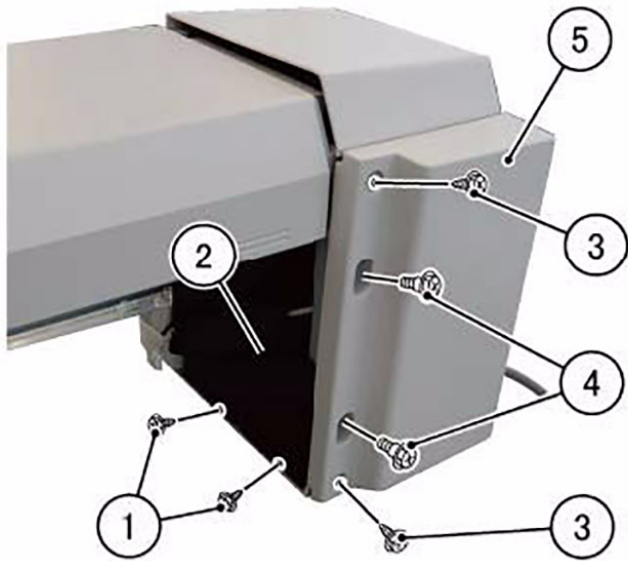
1. Remove the Booklet Assembly. ([REP 1.3](#))
2. Remove the Front Cover. ([Figure 1](#))
  - a. Remove the Shoulder Screw (x3).
  - b. Remove the Front Cover.



F-1-0225-A

**Figure 1 Removal of the Front Cover**

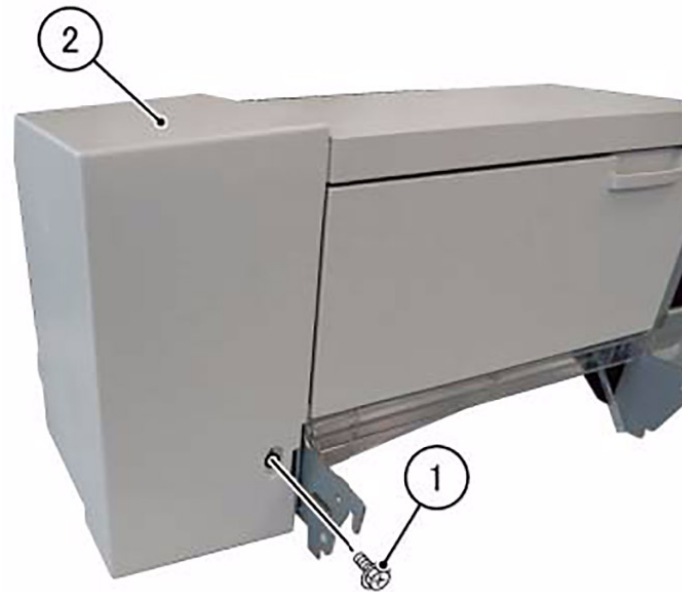
3. Remove the Rear Side Cover and PWB Cover. ([Figure 2](#))
  - a. Remove the Tapping Screw (x2).
  - b. Remove the Rear Side Cover.
  - c. Remove the Tapping Screw (x2).
  - d. Remove the Shoulder Screw (x2).
  - e. Remove the PWB Cover.



F-1-0226-A

**Figure 2 Removal of the Rear Side Cover and PWB Cover**

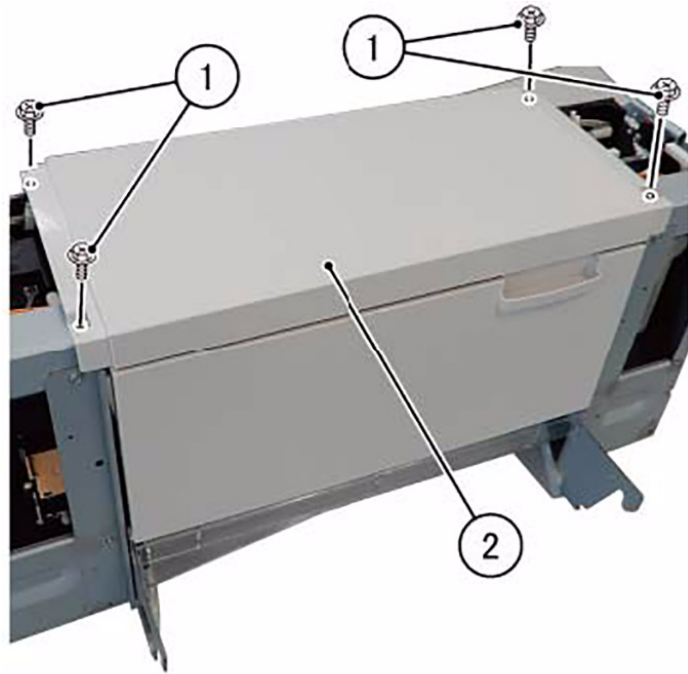
4. Remove the Rear Cover. (Figure 3)
  - a. Remove the Shoulder Screw.
  - b. Remove the Rear Cover.



F-1-0227-A

**Figure 3 Removal of the Rear Cover**

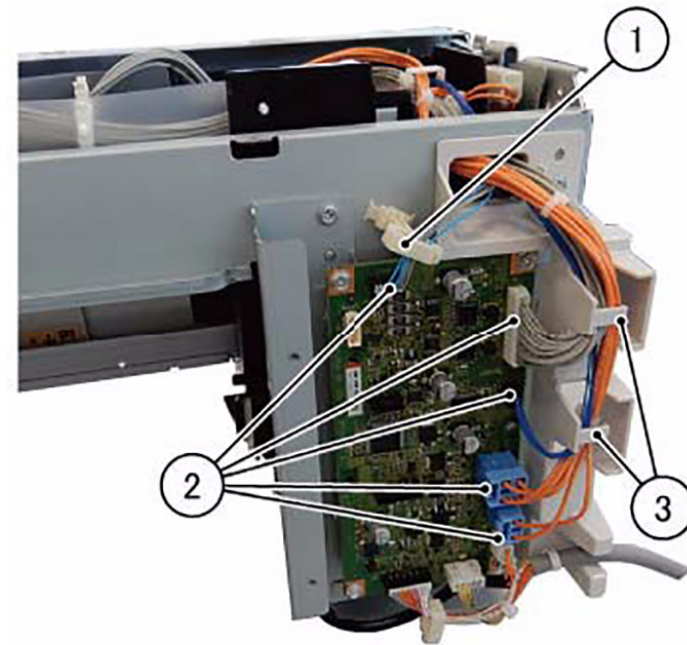
5. Remove the screw (x4) and remove the Top Cover. (Figure 4)
  - a. Remove the screw (x4).
  - b. Remove the Top Cover.



F-1-0228-A

**Figure 4 Removal of the screw (x4)**

6. Disconnect the connector (x5) from the Booklet PWB and release the harness from the Harness Guide. (Figure 5)
  - a. Release the harness from the clamp.
  - b. Disconnect the connector (x5).
  - c. Release the harness from the Harness Guide.

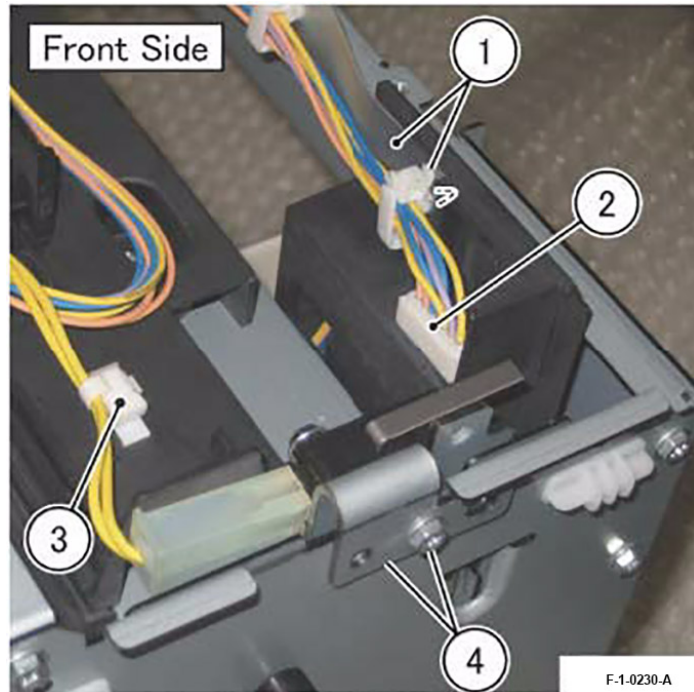


F-1-0229-A

**Figure 5 Disconnecting the connector (x5) from the Booklet PWB**

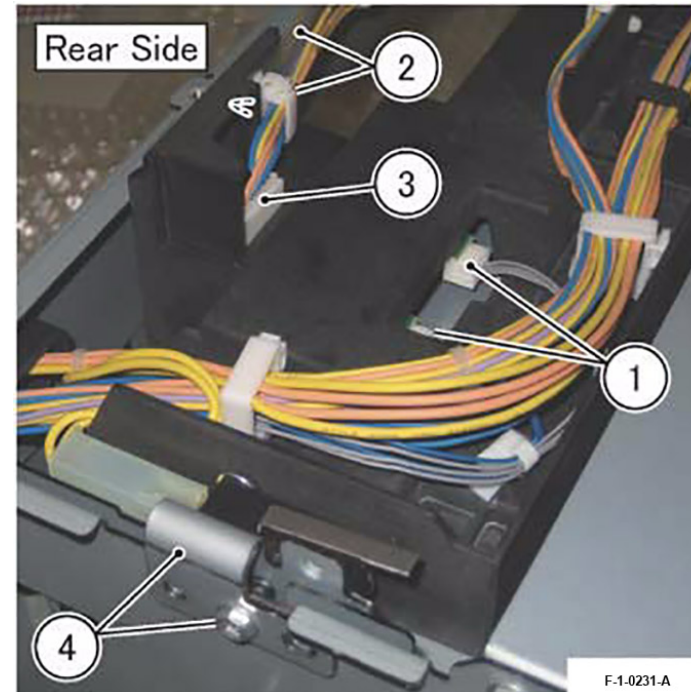
7. Disconnect the connector and remove the Booklet Front Safety Switch from the Front Harness Guide. (Figure 6)
  - a. Remove the clamp and the Harness Guide.
  - b. Disconnect the connector.
  - c. Remove the clamp.
  - d. Remove the screw and remove the Booklet Front Safety Switch.





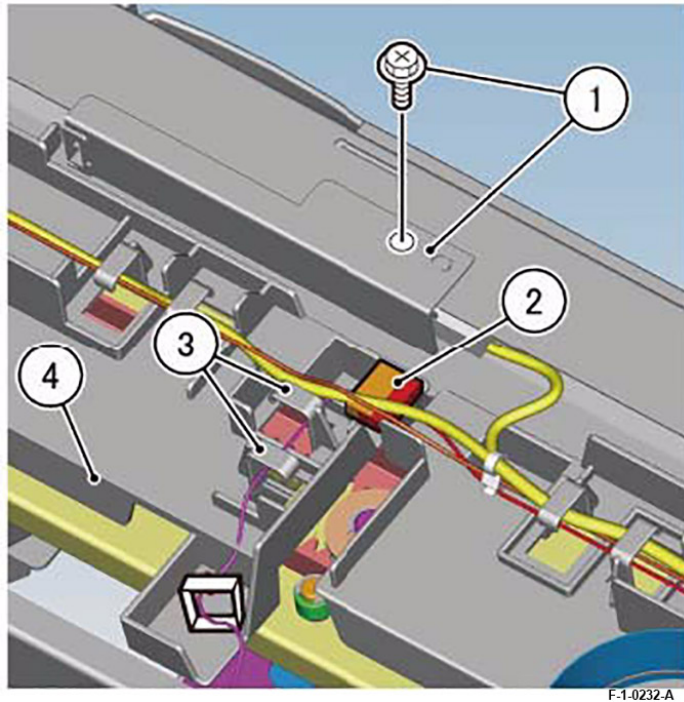
**Figure 6 Disconnecting the connector**

8. Disconnect the connector (x3) and remove the Booklet Rear Safety Switch from the Rear Harness Guide. (Figure 7)
- a. Disconnect the connector (x2).
  - b. Remove the clamp and the Harness Guide.
  - c. Disconnect the connector.
  - d. Remove the screw and remove the Booklet Rear Safety Switch.



**Figure 7 Disconnecting the connector (x3)**

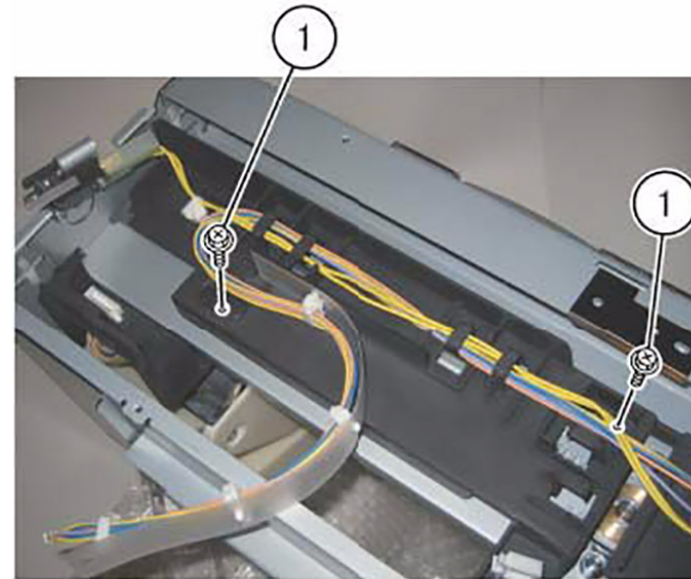
9. Disconnect the connector and remove the Booklet Interlock Bracket Assembly. (Figure 8)
- a. Remove the screw and remove the Booklet Interlock Bracket Assembly.
  - b. Disconnect the connector.
  - c. Release the harness from the Harness Guide.
  - d. Free the clamp and release the harness.



**Figure 8 Disconnecting the connector**

10. Remove the screw (x2) securing the Front Harness Guide. (Figure 9)

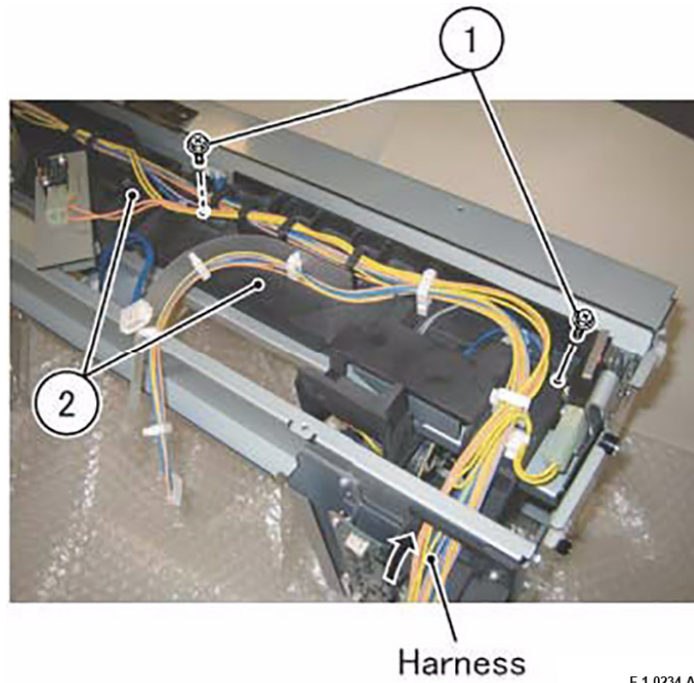
- a. Remove the screw (x2).



**Figure 9 Removal of the screw (x2)**

11. Remove the screw (x2) and remove the Rear Harness Guide and Front Harness Guide. (Figure 10)

- a. Remove the screw (x2).
- b. Pass the harness through the hole and simultaneously remove the Front Harness Guide and Rear Harness Guide.

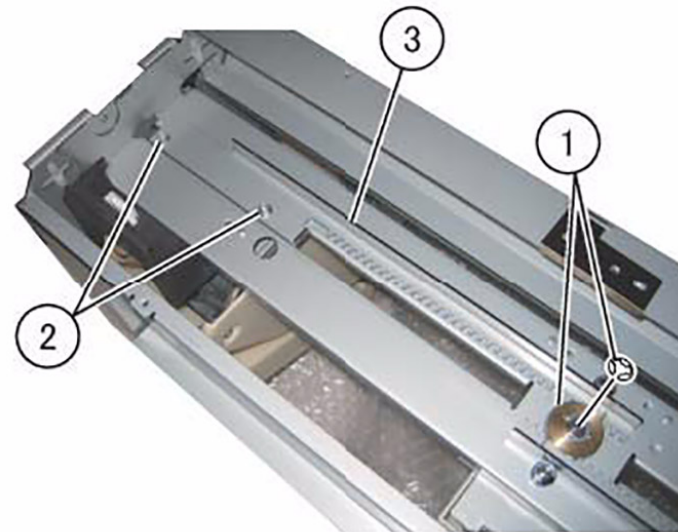


F-1-0234-A

**Figure 10** Removal of the screw (x2)

12. Remove the E-Clip and the gear, and remove the Front Rack Gear. (Figure 11)

- a. Remove the E-Clip and remove the gear.
- b. Remove the screw (x2).
- c. Remove the Front Rack Gear.

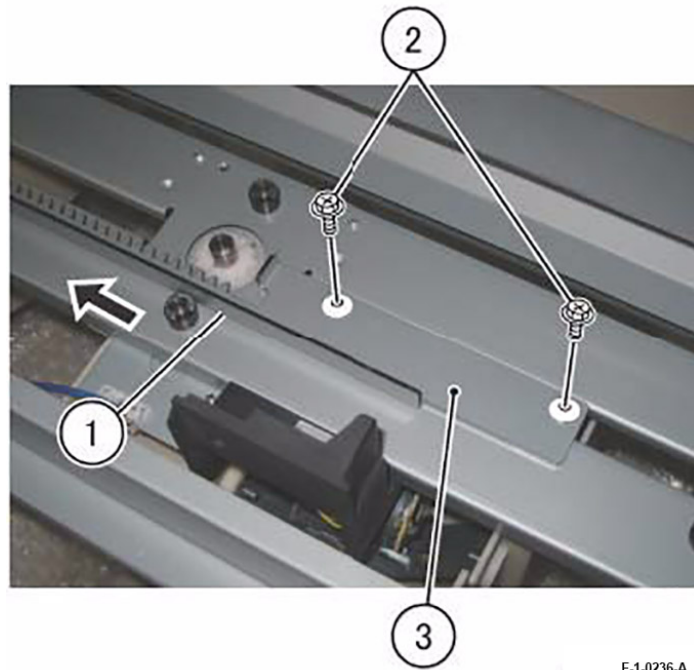


F-1-0235-A

**Figure 11** Removal of the E-Clip

13. Remove the screw (x2) and remove the Rear Rack Gear. (Figure 12)

- a. Move the Rear Rack Gear towards the front.
- b. Remove the screw (x2).
- c. Remove the Rear Rack Gear.



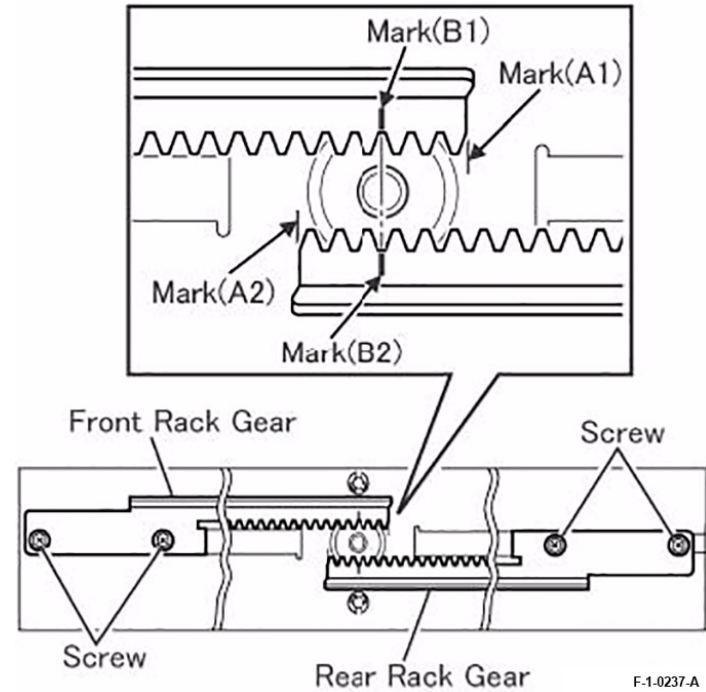
F-1-0236-A

Figure 12 Removal of the screw (x2)

### Replacement

1. To install, carry out the removal steps in reverse order. However, take note of the following when performing the installation.

**Note:** When securing the Front Rack Gear and the Rear Rack Gear, align the edges of the Front Rack Gear and the Rear Rack Gear to the Mark (A1) and Mark (A2), then make sure that the Mark (B1) and Mark (B2) are at the positions indicated in the figure before tightening the screw (x4). (Figure 13)



F-1-0237-A

Figure 13 Securing the Front Rack Gear and the Rear Rack Gear



## REP 8.3 Booklet Staple Move Motor Assembly

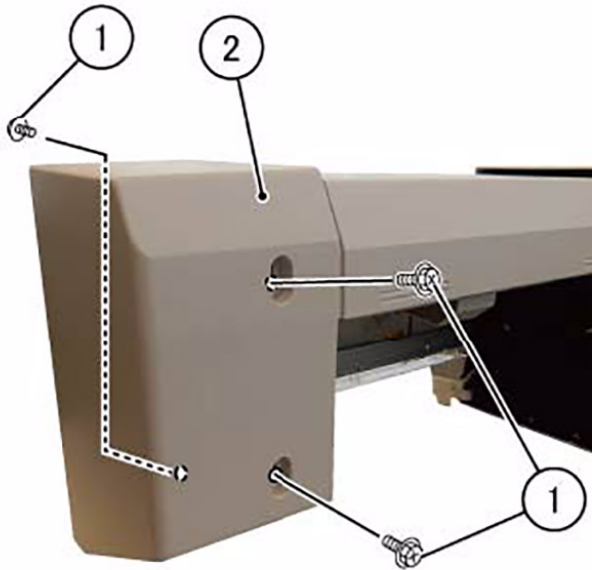
Parts List on [PL 71.8](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

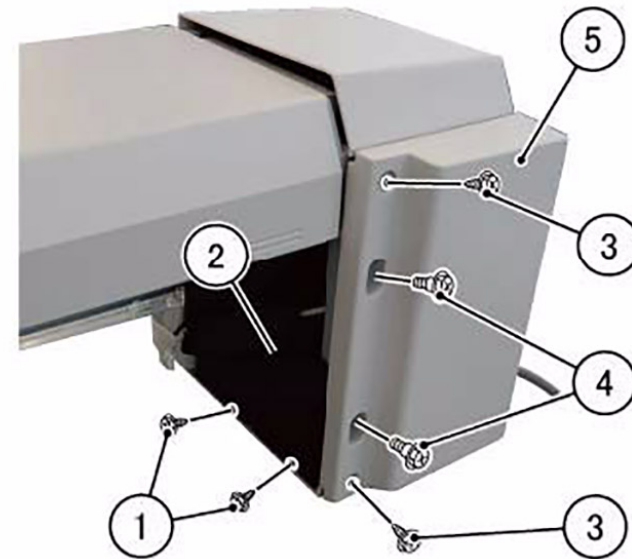
1. Remove the Booklet Assembly. ([REP 1.3](#))
2. Remove the Front Cover. ([Figure 1](#))
  - a. Remove the Shoulder Screw (x3).
  - b. Remove the Front Cover.



F-1-0238-A

**Figure 1 Removal of the Front Cover**

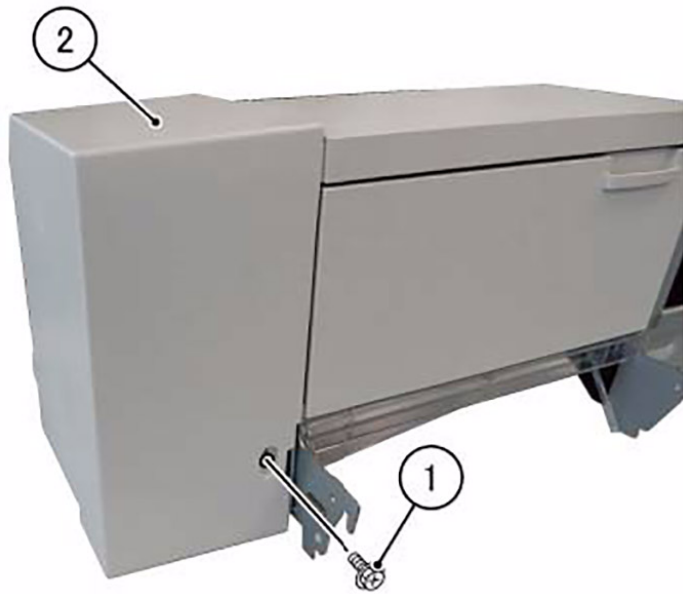
3. Remove the Rear Side Cover and PWB Cover. ([Figure 2](#))
  - a. Remove the Tapping Screw (x2).
  - b. Remove the Rear Side Cover.
  - c. Remove the Tapping Screw (x2).
  - d. Remove the Shoulder Screw (x2).
  - e. Remove the PWB Cover.



F-1-0239-A

**Figure 2 Removal of the Rear Side Cover and PWB Cover**

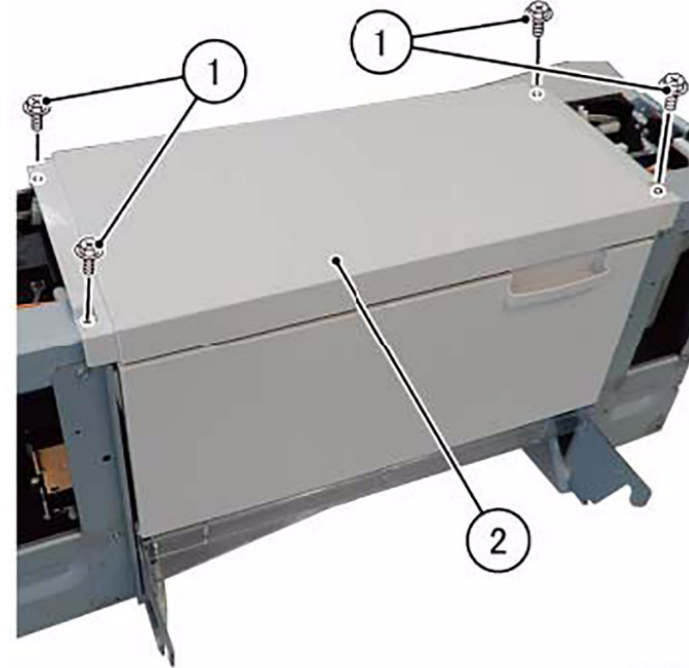
4. Remove the Rear Cover. ([Figure 3](#))
  - a. Remove the Shoulder Screw.
  - b. Remove the Rear Cover.



F-1-0240-A

**Figure 3 Removal of the Rear Cover**

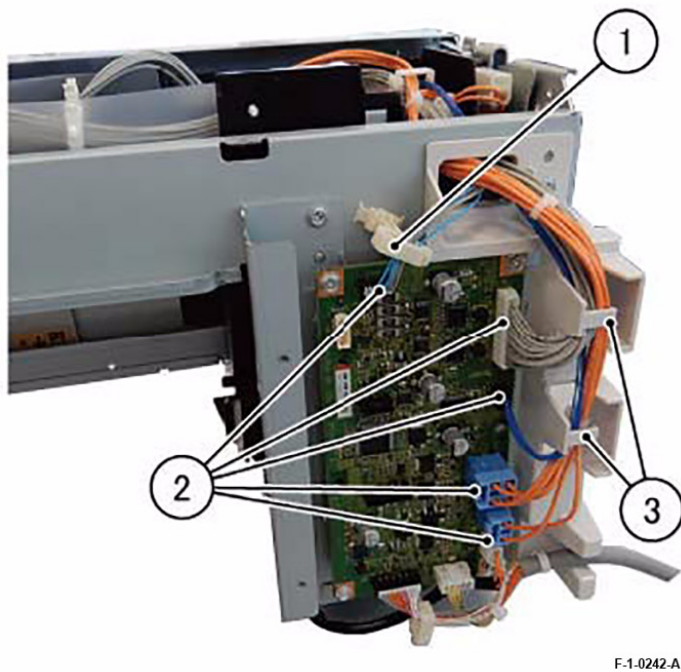
5. Remove the screw (x4) and remove the Top Cover. (Figure 4)
  - a. Remove the screw (x4).
  - b. Remove the Top Cover.



F-1-0241-A

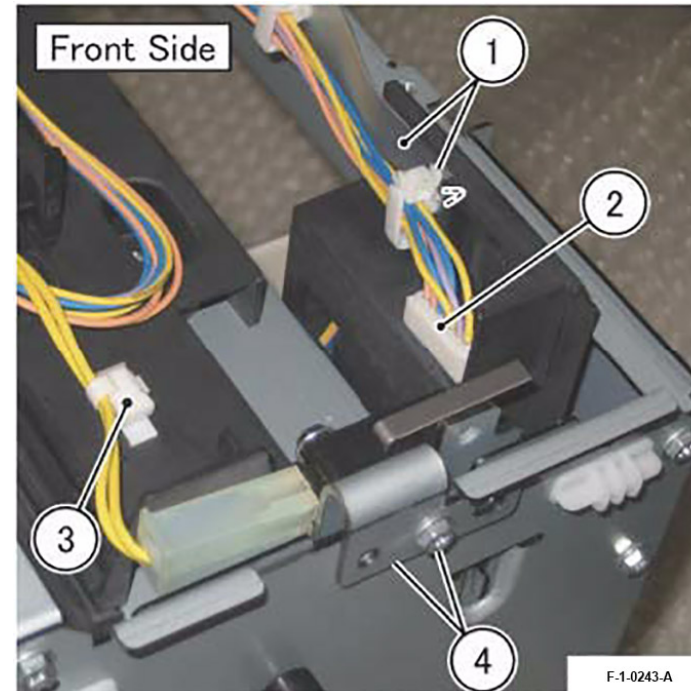
**Figure 4 Removal of the screw (x4)**

6. Disconnect the connector (x5) from the Booklet PWB and release the harness from the Harness Guide. (Figure 5)
  - a. Release the harness from the clamp.
  - b. Disconnect the connector (x5).
  - c. Release the harness from the Harness Guide.



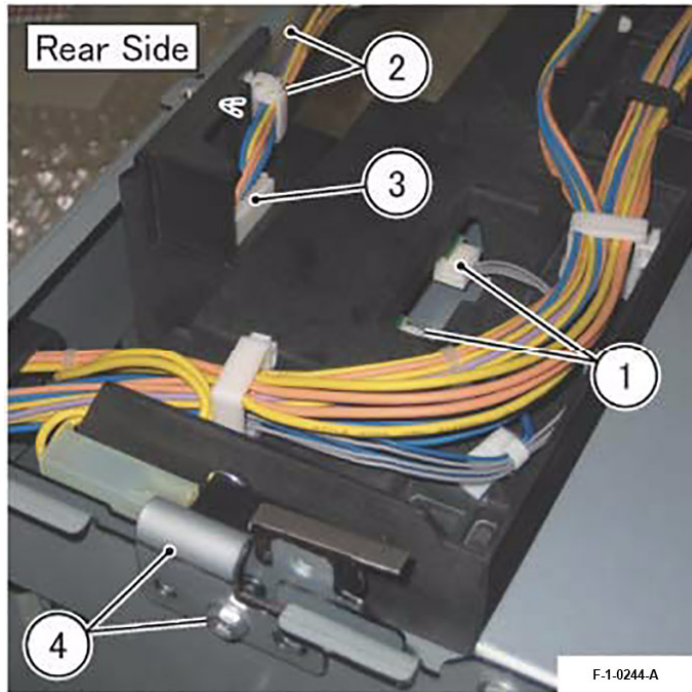
**Figure 5** Disconnecting the connector (x5) from the Booklet PWB

7. Disconnect the connector and remove the Booklet Front Safety Switch from the Front Harness Guide. (Figure 6)
  - a. Remove the clamp and the Harness Guide.
  - b. Disconnect the connector.
  - c. Remove the clamp.
  - d. Remove the screw and remove the Booklet Front Safety Switch.



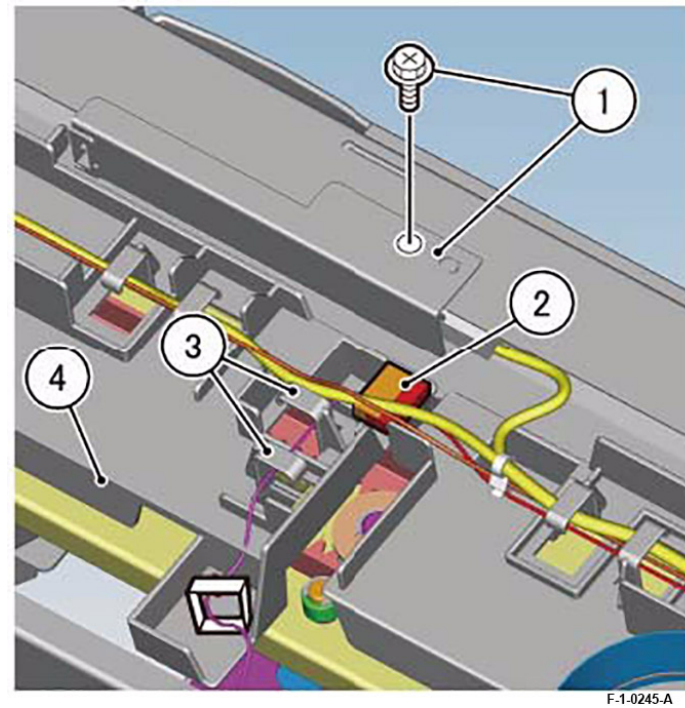
**Figure 6** Disconnecting the connector

8. Disconnect the connector (x3) and remove the Booklet Rear Safety Switch from the Rear Harness Guide. (Figure 7)
  - a. Disconnect the connector (x2).
  - b. Remove the clamp and the Harness Guide.
  - c. Disconnect the connector.
  - d. Remove the screw and remove the Booklet Rear Safety Switch.



**Figure 7 Disconnecting the connector (x3)**

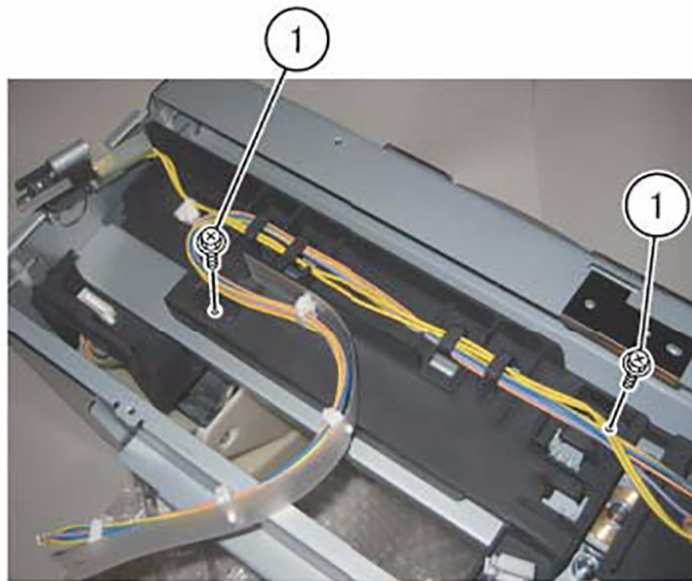
9. Disconnect the connector and remove the Booklet Interlock Bracket Assembly. (Figure 8)
- a. Remove the screw and remove the Booklet Interlock Bracket Assembly.
  - b. Disconnect the connector.
  - c. Release the harness from the Harness Guide.
  - d. Free the clamp and release the harness.



**Figure 8 Disconnecting the connector**

10. Remove the screw (x2) securing the Front Harness Guide. (Figure 9)
- a. Remove the screw (x2).

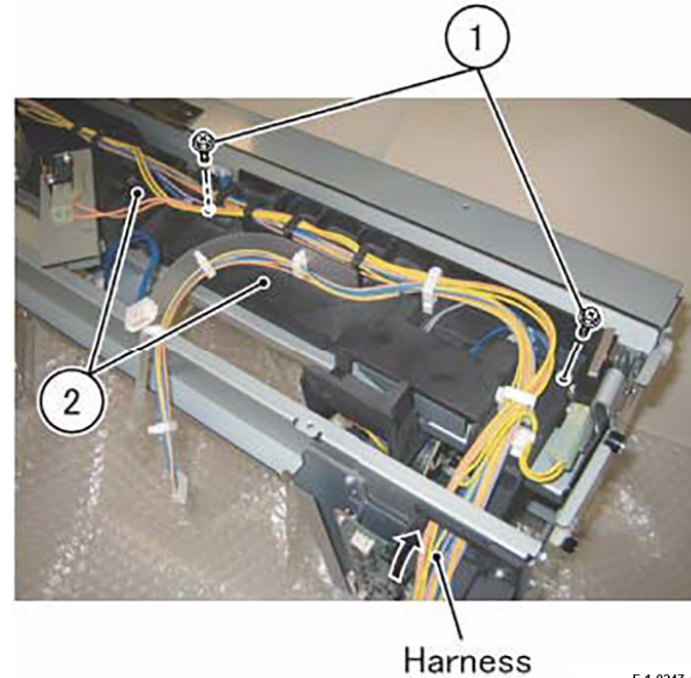




F-1-0246-A

**Figure 9 Removal of the screw (x2)**

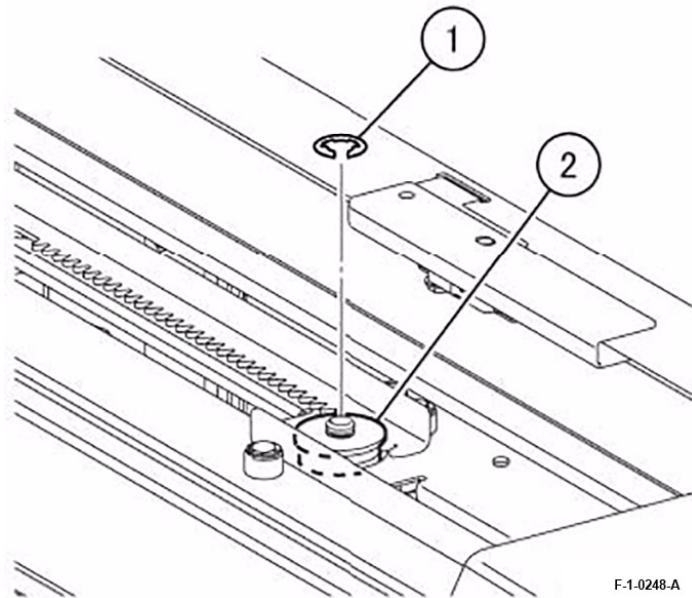
11. Remove the screw (x2) and remove the Rear Harness Guide and Front Harness Guide. (Figure 10)
- Remove the screw (x2).
  - Pass the harness through the hole and simultaneously remove the Front Harness Guide and Rear Harness Guide.



F-1-0247-A

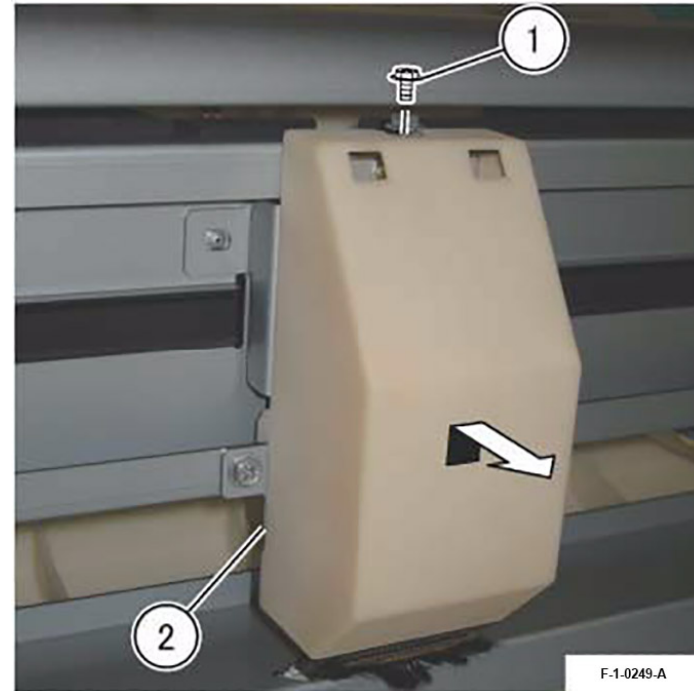
**Figure 10 Removal of the screw (x2)**

12. Remove the E-Clip and the gear. (Figure 11)
- Remove the E-Clip.
  - Remove the gear.



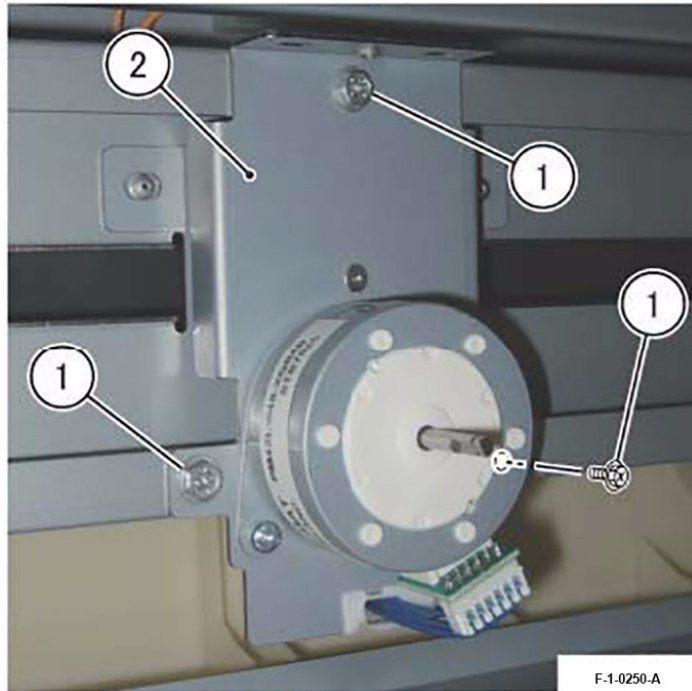
**Figure 11 Removal of the E-Clip**

13. Tilt the Booklet Assembly by 90 degrees.
14. Remove the Center Cover. (Figure 12)
  - a. Remove the screw.
  - b. Remove the Center Cover.



**Figure 12 Removal of the Center Cover**

15. Remove the Booklet Staple Move Motor Assembly. (Figure 13)
  - a. Remove the screw (x3).
  - b. Remove the Booklet Staple Move Motor Assembly.



**Figure 13 Removal of the Booklet Staple Move Motor Assembly  
Replacement**

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

## REP 9.1 Top Cover Assembly

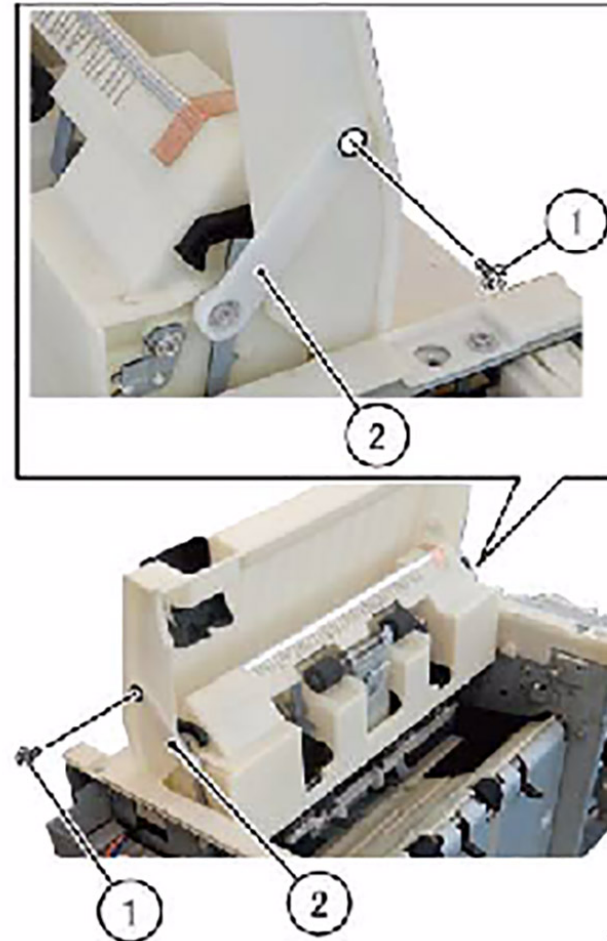
Parts List on [PL 71.9](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

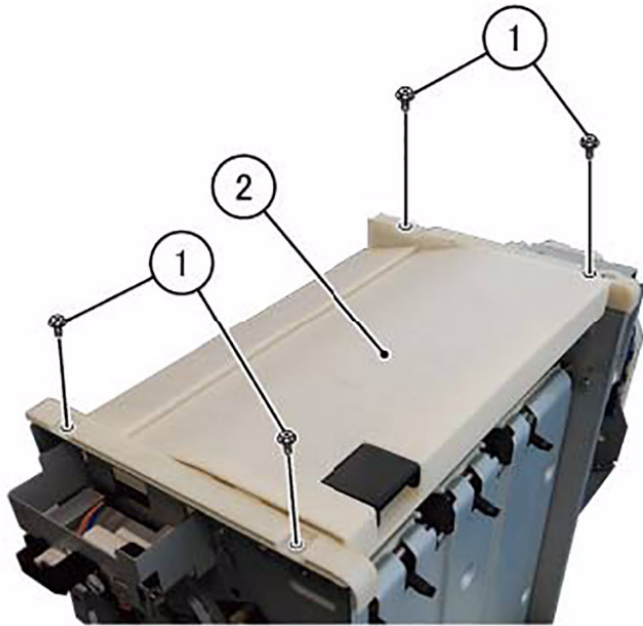
1. If the machine has a Booklet Assembly, remove the Booklet Assembly. ([REP 1.3](#))
2. Detach the Office Finisher. ([REP 1.3](#))
3. Remove the following parts.
  - Front Foot Cover ([PL 71.9](#))
  - Front Cover Assembly ([PL 71.9](#))
  - Rear Upper Cover ([PL 71.9](#))
4. While pressing indentation A of the Top Cover Assembly with your finger, open the Top Cover Assembly in two stages.
5. Remove the link. ([Figure 1](#))
  - a. Remove the screw (x2).
  - b. Remove the link.



F-1-0251-A

**Figure 1** Removal of the link

6. Close the Top Cover Assembly.
7. Remove the Top Cover Assembly. ([Figure 2](#))
  - a. Remove the screw (x4).
  - b. Remove the Top Cover Assembly.



F-1-0252-A

**Figure 2 Removal of the Top Cover Assembly  
Replacement**

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

## REP 10.1 Front Clamp Belt Carriage Assembly, Rear Clamp Belt Carriage Assembly

Parts List on [PL 71.10](#)

### Removal

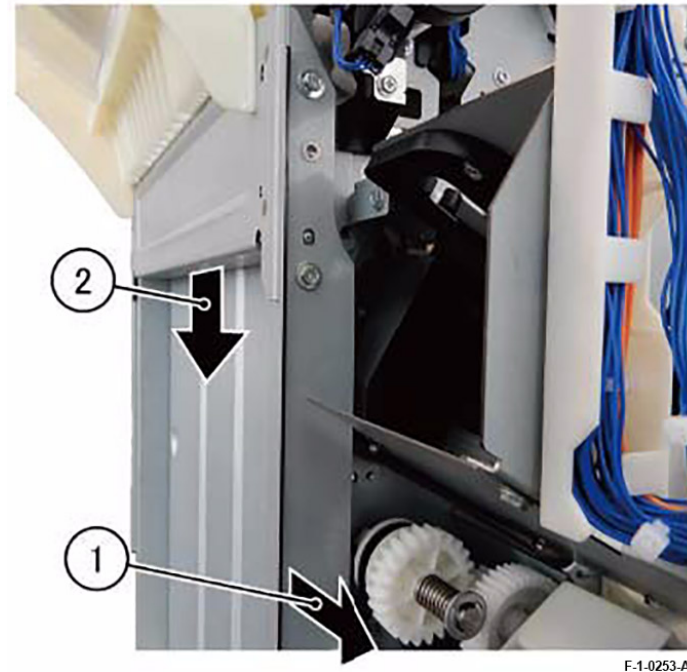


**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.



**CAUTION:** Make sure to lower the Carriage Tray Assembly to the lowest position before removing the Front Clamp Belt Carriage Assembly and Rear Clamp Belt Carriage Assembly.

1. If the machine has a Booklet Assembly, remove the Booklet Assembly. ([REP 1.3](#))
2. Detach the Office Finisher. ([REP 1.3](#))
3. Remove the following parts.
  - Front Foot Cover ([PL 71.9](#))
  - Front Cover Assembly ([PL 71.9](#))
  - Rear Upper Cover ([PL 71.9](#))
  - Rear Lower Cover ([PL 71.9](#))
4. Remove the Rear Pulley Cover. ([PL 71.10](#))
5. Move the Carriage Tray Assembly to the lowest position. ([Figure 1](#))
  - a. Move the gear in the direction of the arrow.
  - b. Lower the Carriage Tray Assembly until it stops.

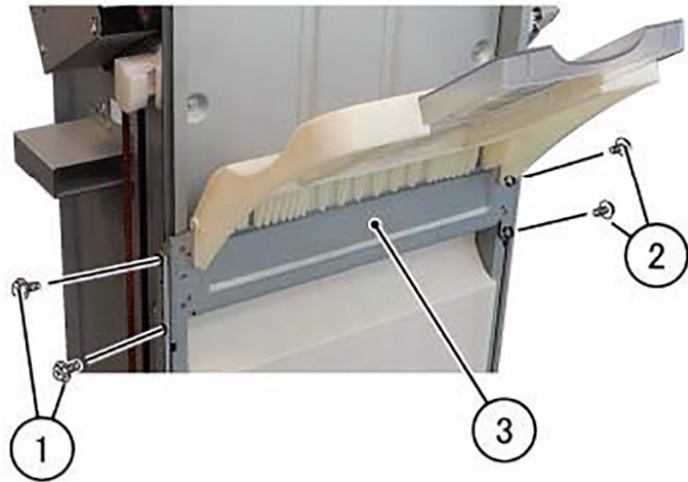


F-1-0253-A

**Figure 1** Moving the Carriage Tray Assembly

6. Remove the Carriage Tray Assembly. ([Figure 2](#))
  - a. Remove the screw (x2).
  - b. Remove the screw (x2).
  - c. Remove the Carriage Tray Assembly.

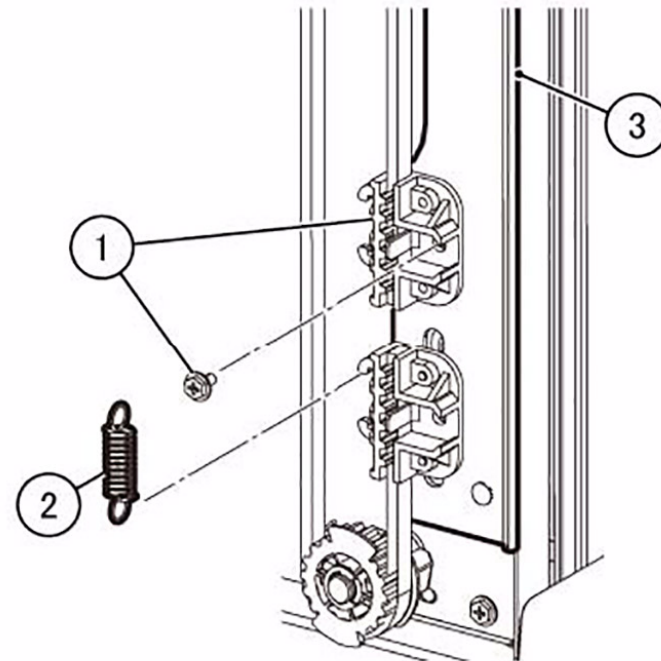




F-1-0254-A

**Figure 2 Removal of the Carriage Tray Assembly**

7. Remove the Front Pulley Cover. (PL 71.10)
8. Remove the Front Clamp Belt Carriage Assembly. (Figure 3)
  - a. Remove the screw and remove the Upper Belt Clamp.
  - b. Remove the spring.
  - c. Remove the Front Clamp Belt Carriage Assembly.



F-1-0255-A

**Figure 3 Removal of the Front Clamp Belt Carriage Assembly**

9. Remove the Stacker Motor Assembly. (REP 10.3)
10. Remove the Front Clamp Belt Carriage Assembly using the same procedure as Step 8.

**Replacement**

1. To install, carry out the removal steps in reverse order. However, take note of the following when performing the installation.

**Note:** After installing the Front Clamp Belt Carriage Assembly and Rear Clamp Belt Carriage Assembly, check that the Carriage Tray Assembly is moving smoothly and not tilted. (Figure 4)

- a. Move the gear in the direction of the arrow.
- b. Check that the Carriage Tray Assembly is moving smoothly and not tilted.

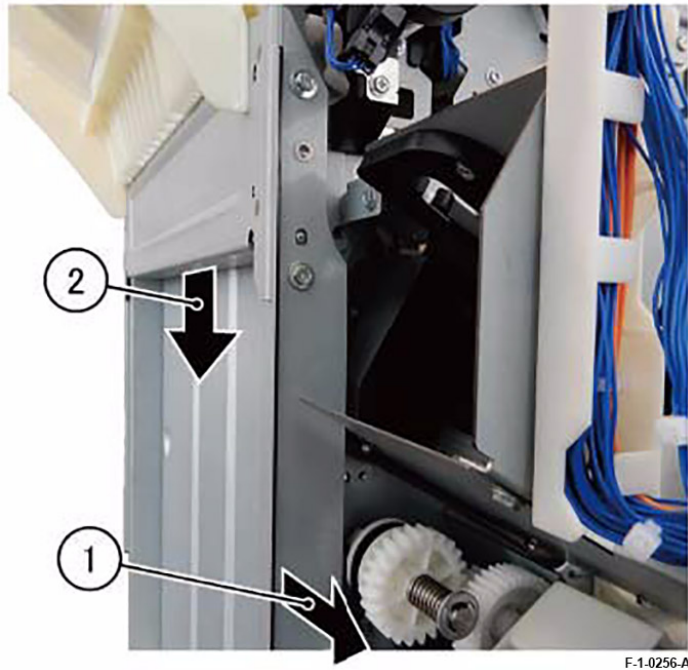


Figure 4 Installing the Front Clamp Belt Carriage Assembly

## REP 10.2 Tray Guide

Parts List on [PL 71.10](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

1. If the machine has a Booklet Assembly, remove the Booklet Assembly. ([REP 1.3](#))
2. Detach the Office Finisher. ([REP 1.3](#))
3. Remove the following parts.
  - Front Foot Cover ([PL 71.9](#))
  - RearFoot Cover ([PL 71.9](#))
  - Front Cover Assembly ([PL 71.9](#))
  - Rear Upper Cover ([PL 71.9](#))
  - Rear Lower Cover ([PL 71.9](#))
4. Remove the Rear Pulley Cover. ([PL 71.10](#))
5. Move the Carriage Tray Assembly to the lowest position. ([Figure 1](#))
  - a. Move the gear in the direction of the arrow.
  - b. Lower the Carriage Tray Assembly until it stops.

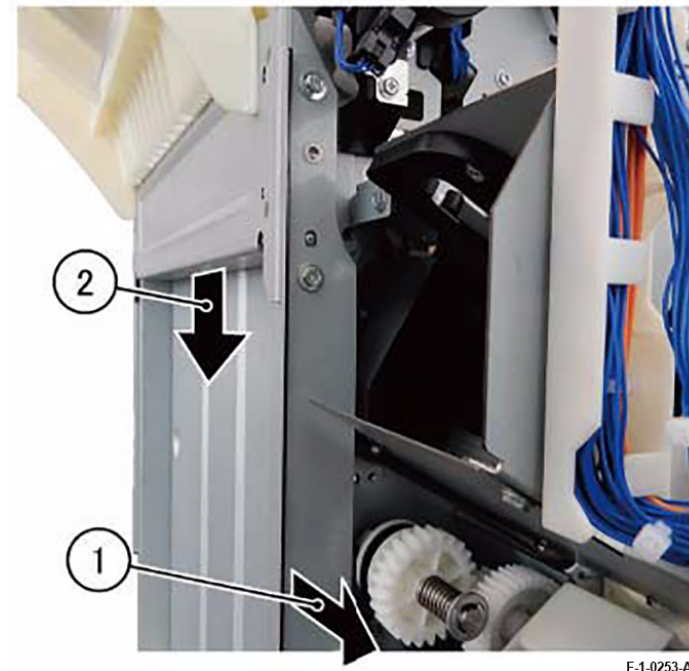
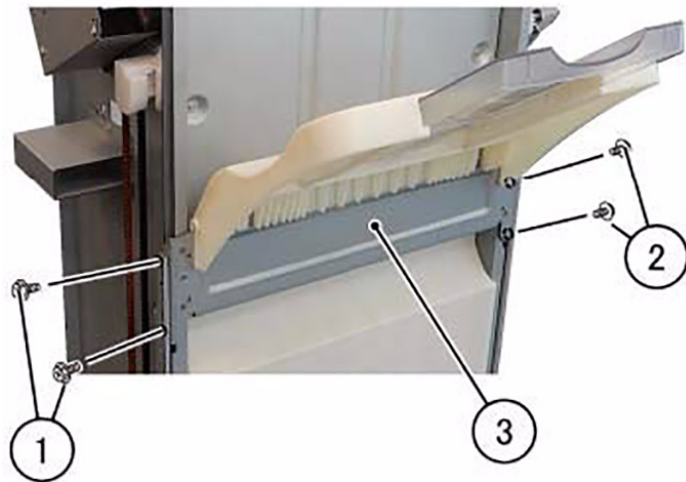


Figure 1 Moving the Carriage Tray Assembly

6. Remove the Carriage Tray. ([Figure 2](#))



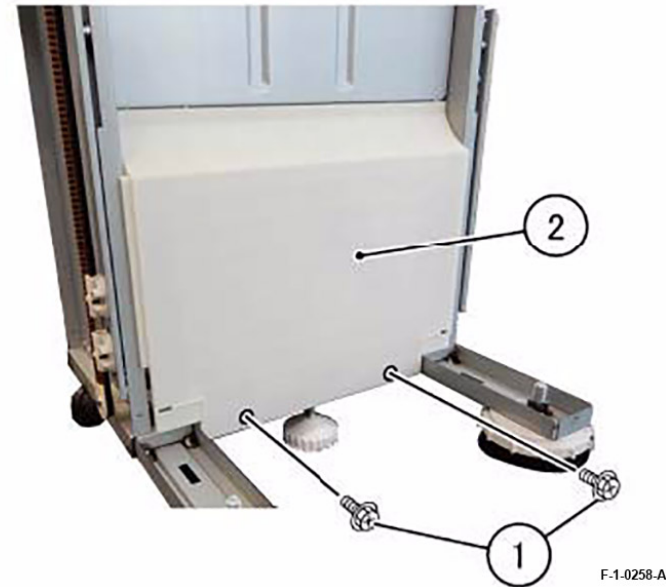
- a. Remove the screw (x2).
- b. Remove the screw (x2).
- c. Remove the Carriage Tray.



F.1-0254-A

**Figure 2 Removing the Carriage Tray**

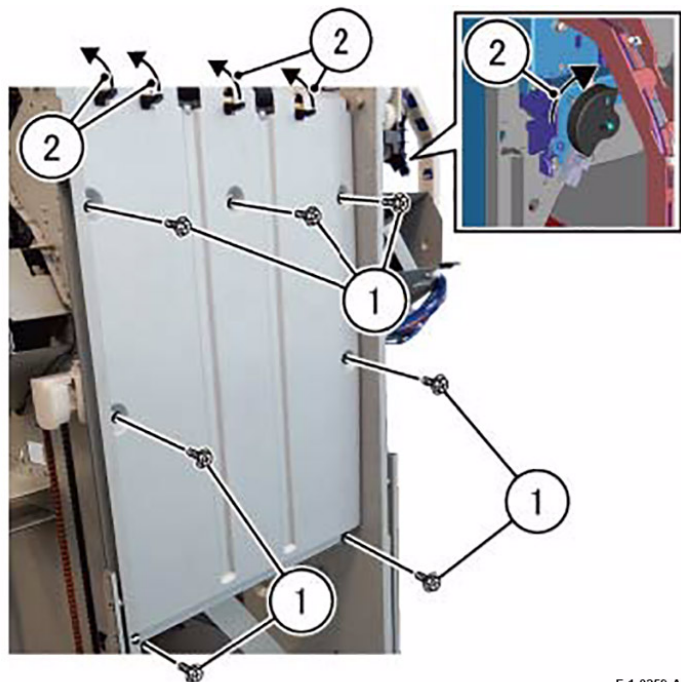
7. Remove the RH Cover. (Figure 3)
  - a. Remove the screw (x2).
  - b. Remove the RH Cover.



F.1-0258-A

**Figure 3 Removal of the RH Cover**

8. Remove the Tray Guide. (Figure 4)
  - a. Remove the screw (x7).
  - b. Rotate the Set Clamp Home Actuator in the direction of the arrow to release the Latch, and remove the Tray Guide.



F-1-0259-A

Figure 4 Removal of the Tray Guide

### Replacement

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

## REP 10.3 Stacker Motor Assembly

Parts List on [PL 71.10](#)

### Removal

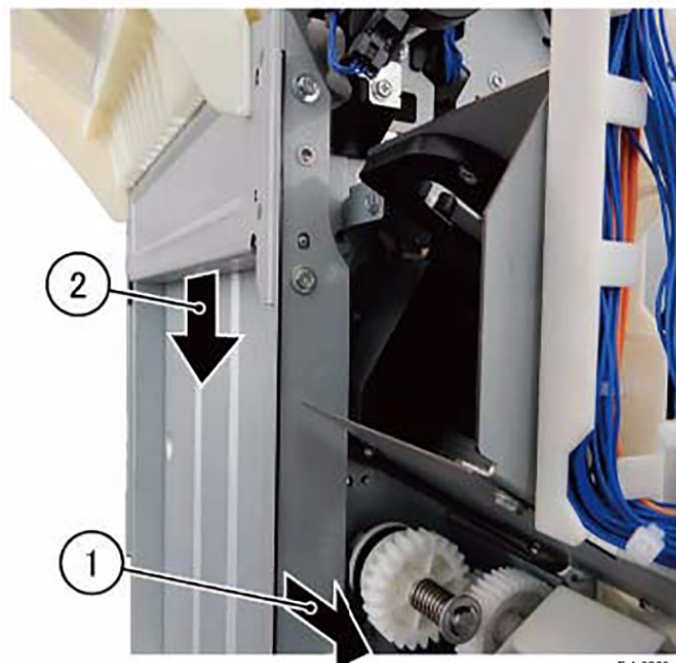


**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.



**CAUTION:** Make sure to lower the Carriage Tray Assembly to the lowest position before removing the Stacker Motor Assembly.

- If the machine has a Booklet Assembly, remove the Booklet Assembly. ([REP 1.3](#))
- Detach the Office Finisher. ([REP 1.3](#))
- Remove the following parts.
  - Front Foot Cover ([PL 71.9](#))
  - Front Cover Assembly ([PL 71.9](#))
  - Rear Upper Cover ([PL 71.9](#))
- Remove the Rear Pulley Cover. ([PL 71.10](#))
- Move the Carriage Tray Assembly to the lowest position. ([Figure 1](#))
  - Move the gear in the direction of the arrow.
  - Lower the Carriage Tray Assembly until it stops.

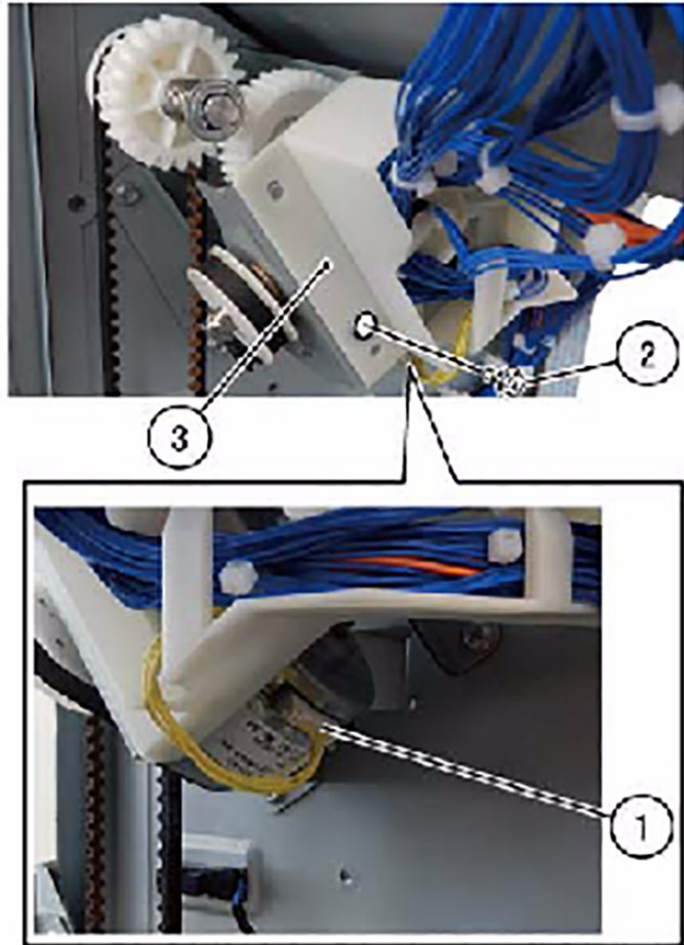


F-1-0260-A

Figure 1 Moving the Carriage Tray Assembly

- Remove the Harness Guide. ([Figure 2](#))

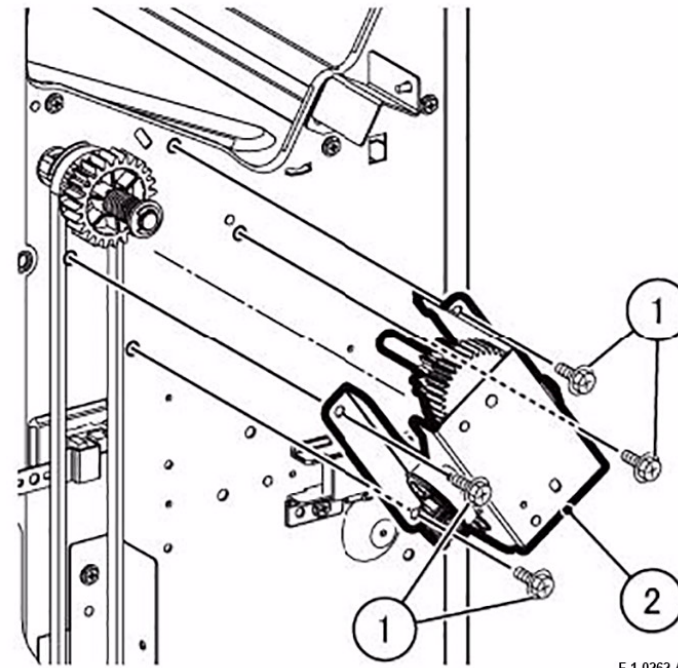
- a. Disconnect the connector.
- b. Remove the screw.
- c. Remove the Harness Guide.



F-1-0261-A

**Figure 2 Removing the Harness Guide**

7. Remove the Stacker Motor Assembly. (Figure 3)
  - a. Remove the screw (x4).
  - b. Remove the Stacker Motor Assembly.



F-1-0262-A

**Figure 3 Removing the Stacker Motor Assembly  
Replacement**

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

## REP 11.1 Eject Motor Drive Bracket Assembly

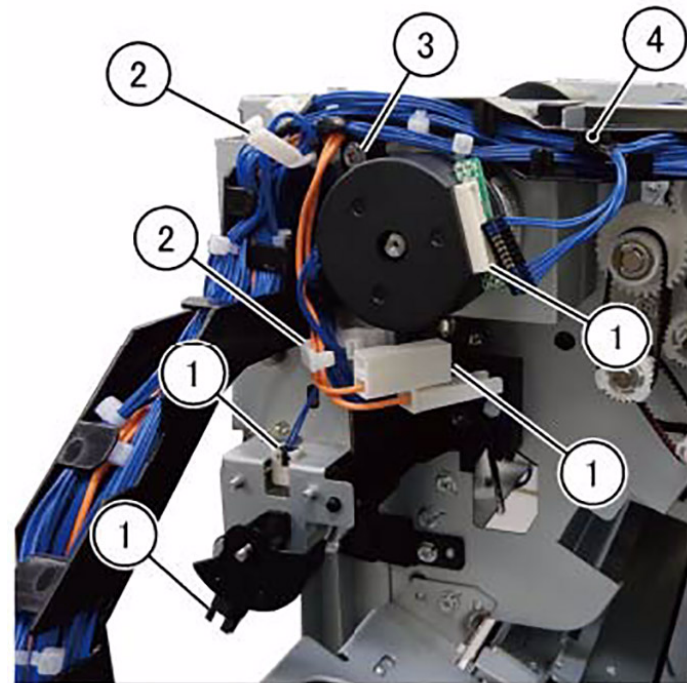
Parts List on [PL 71.11](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

1. If the machine has a Booklet Assembly, remove the Booklet Assembly. ([REP 1.3](#))
2. Detach the Office Finisher. ([REP 1.3](#))
3. Remove the Tray Guide. ([REP 10.2](#))
4. Remove the Interlock Harness Guide. ([Figure 1](#))
  - a. Disconnect the connector (x4).
  - b. Remove the clamp (x2).
  - c. Remove the screw.
  - d. Remove the Interlock Harness Guide.



F-1-0263-A

**Figure 1** Removing the Interlock Harness Guide

5. Remove the Upper Harness Guide. ([Figure 2](#))
  - a. Remove the screw.
  - b. Release the tab to remove the Upper Harness Guide.



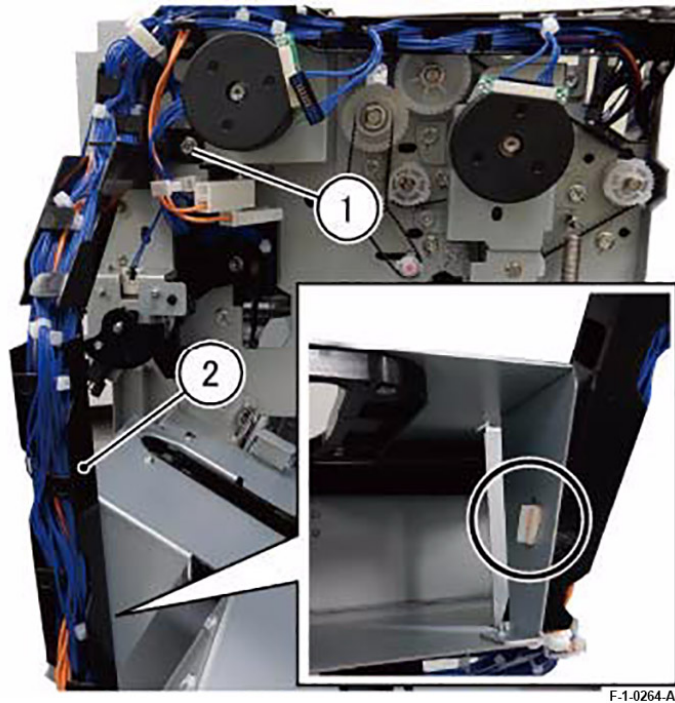


Figure 2 Removing the Upper Harness Guide

6. Remove the Eject Motor Drive Bracket Assembly. (Figure 3)
  - a. Release the harness from the Harness Guide.
  - b. Remove the screw (x5).
  - c. Remove the Eject Motor Drive Bracket Assembly.

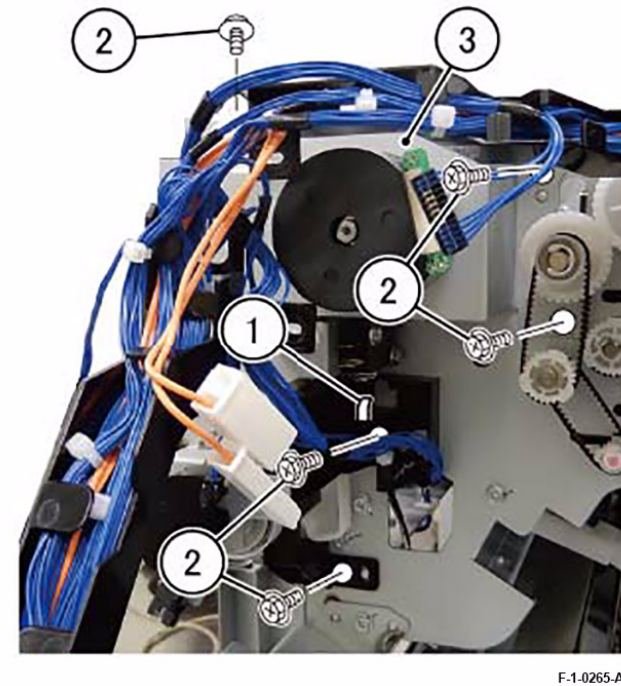


Figure 3 Removing the Eject Motor Drive Bracket Assembly Replacement

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

## REP 13.1 Eject Chute Assembly

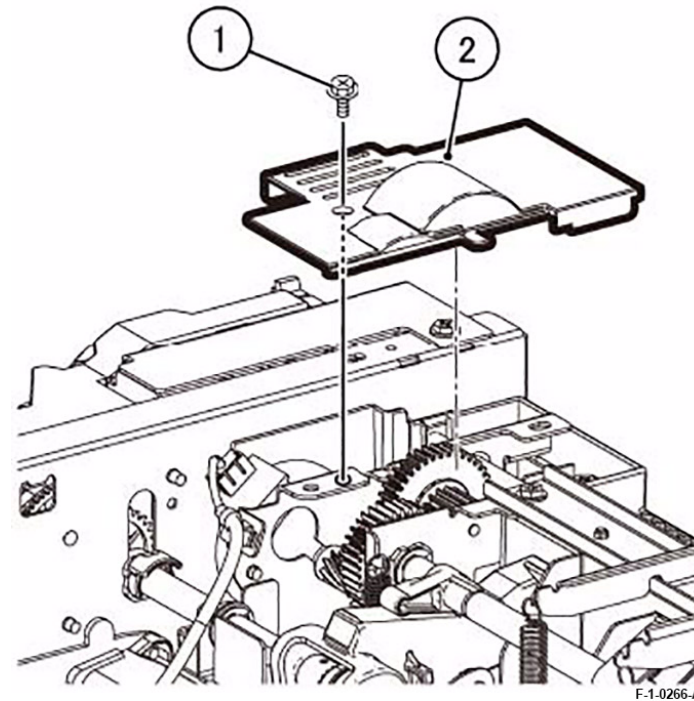
Parts List on [PL 71.13](#)

### Removal



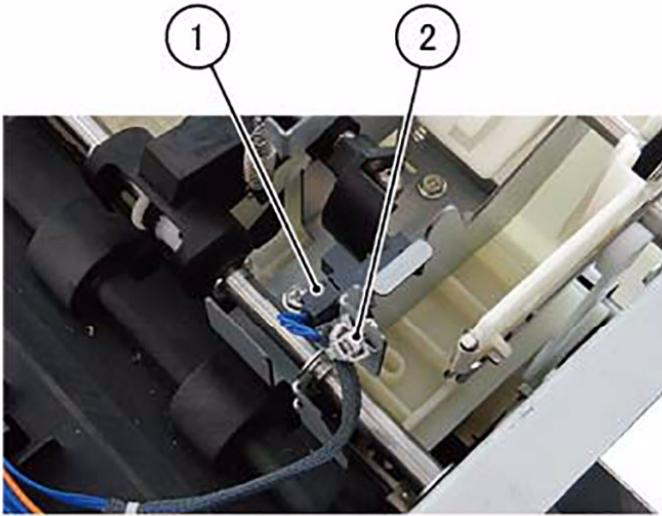
**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

1. If the machine has a Booklet Assembly, remove the Booklet Assembly. ([REP 1.3](#))
2. Detach the Office Finisher. ([REP 1.3](#))
3. Remove the Top Cover Assembly. ([REP 1.3](#))
4. Remove the Eject Upper Cover. ([Figure 1](#))
  - a. Remove the screw.
  - b. Remove the Eject Upper Cover.



**Figure 1** Removing the Eject Upper Cover

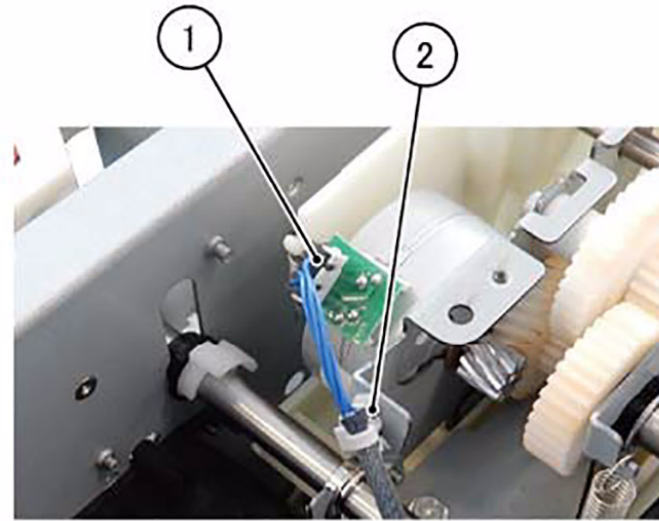
5. Disconnect the connector and remove the Push Tie. ([Figure 2](#))
  - a. Disconnect the connector.
  - b. Release the Push Tie.



F-1-0267-A

**Figure 2 Disconnecting the connector**

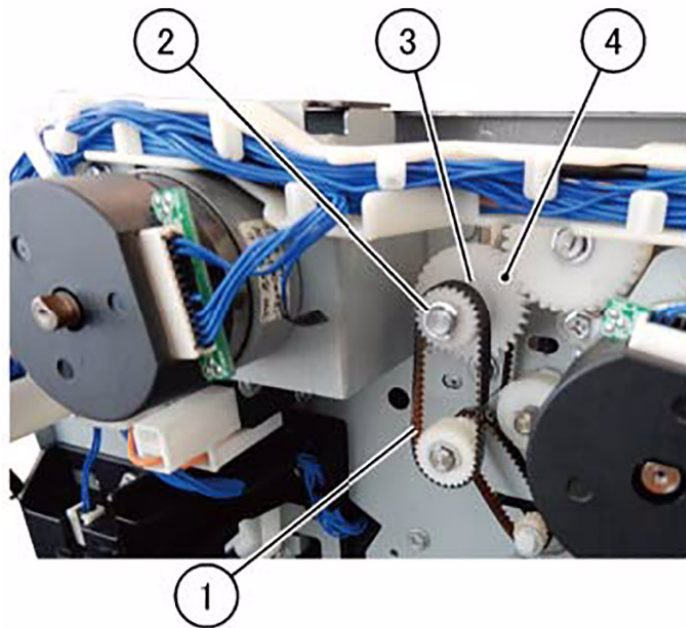
6. Disconnect the connector and remove the Push Tie. (Figure 3)
  - a. Disconnect the connector.
  - b. Release the Push Tie.



F-1-0268-A

**Figure 3 Disconnecting the connector**

7. Remove the Belt and One Way Pulley Assembly, as well as the gear (Z31). (Figure 4)
  - a. Remove the Belt.
  - b. Remove the E-Clip.
  - c. Remove the One Way Pulley Assembly.
  - d. Remove the gear (Z31).

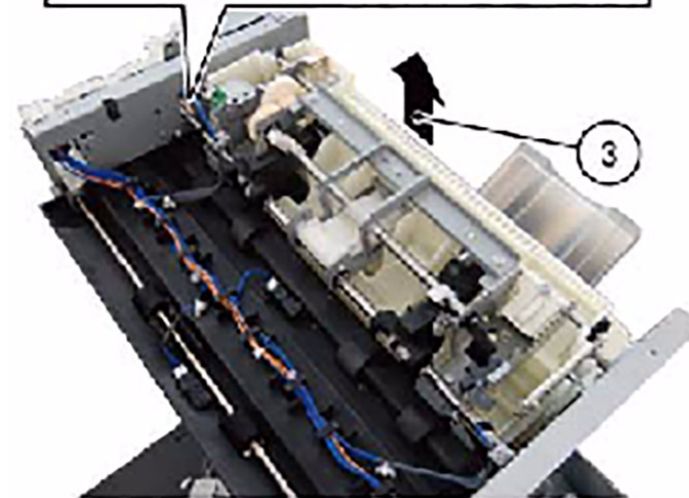
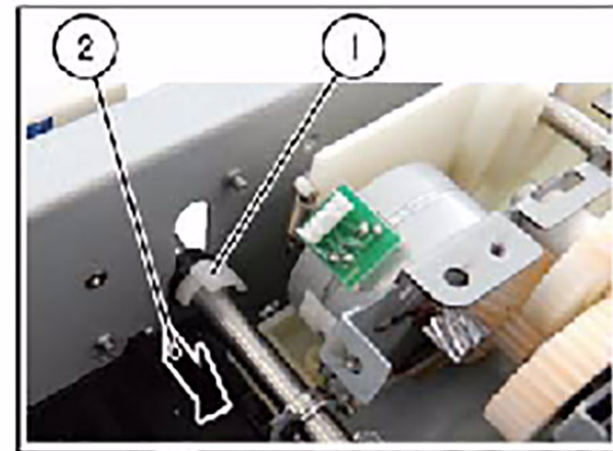


F.1-0269-A

**Figure 4 Removing the Belt and One Way Pulley Assembly, and the gear (Z31)**

8. Remove the Eject Chute Assembly. (Figure 5)

- a. Remove the KL-Clip.
- b. Move the Bearing in the direction of the arrow.
- c. Remove the Eject Chute Assembly in the direction of the arrow.



F.1-0270-A

**Figure 5 Removing the Eject Chute Assembly**

9. Remove the E-Clip and Bearing from the Eject Chute Assembly. (Figure 6)

- a. Remove the E-Clip and the Bearing (x2).



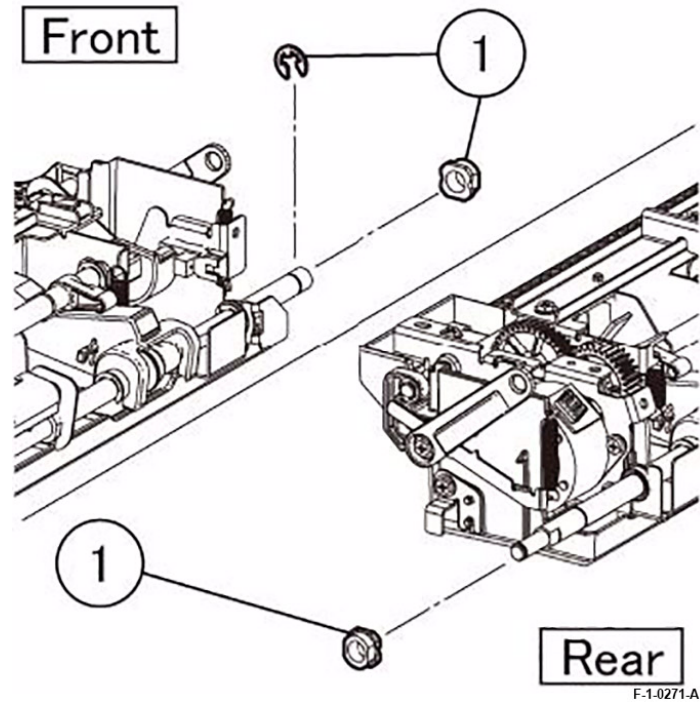


Figure 6 Removing the E-Clip and Bearing Replacement

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

## REP 13.2 Set Clamp Main Shaft Assembly

Parts List on [PL 71.13](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

1. Remove the Eject Motor Drive Bracket Assembly. ([REP 1.3](#))
2. Remove the Set Clamp Holder. ([Figure 1](#))
  - a. Remove the screw.
  - b. Remove the Clamp Holder in the direction of the arrow.

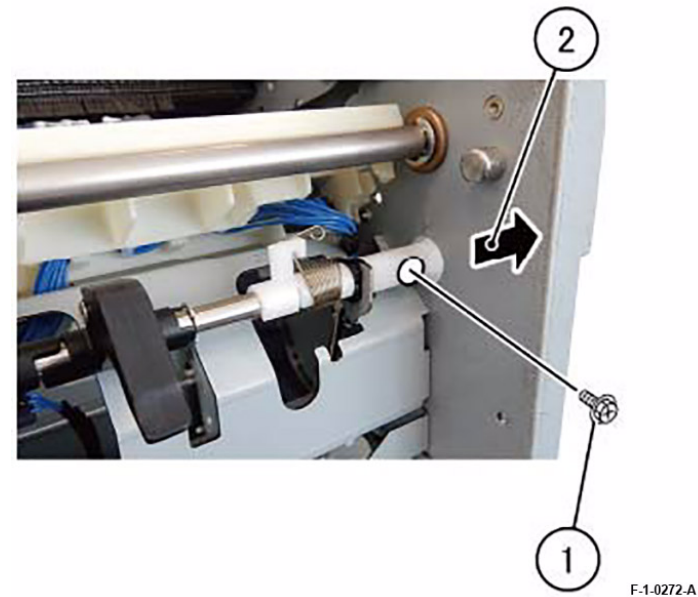
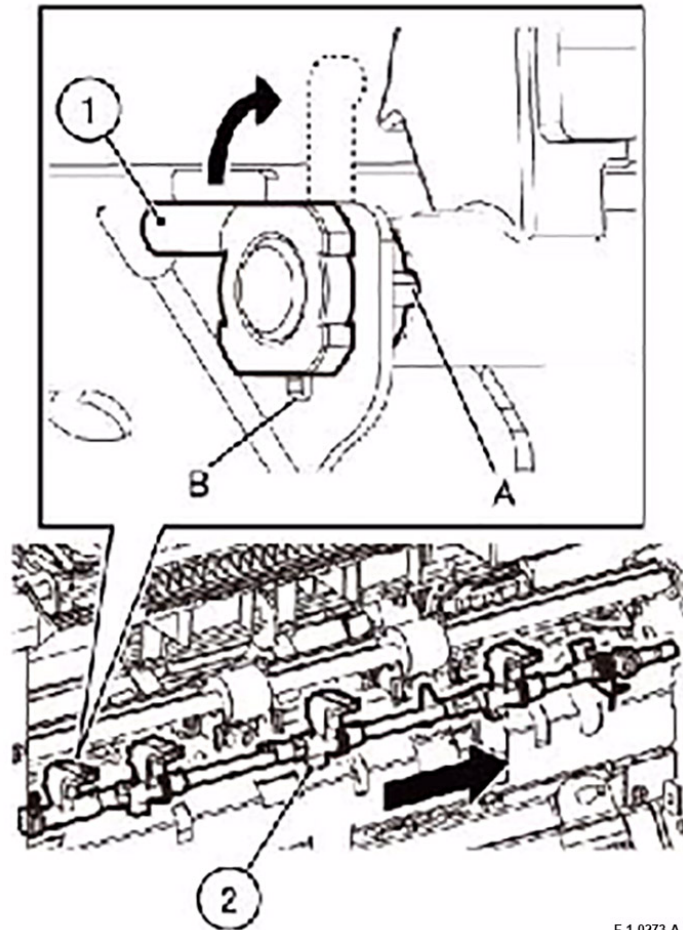


Figure 1 Removing the Set Clamp Holder

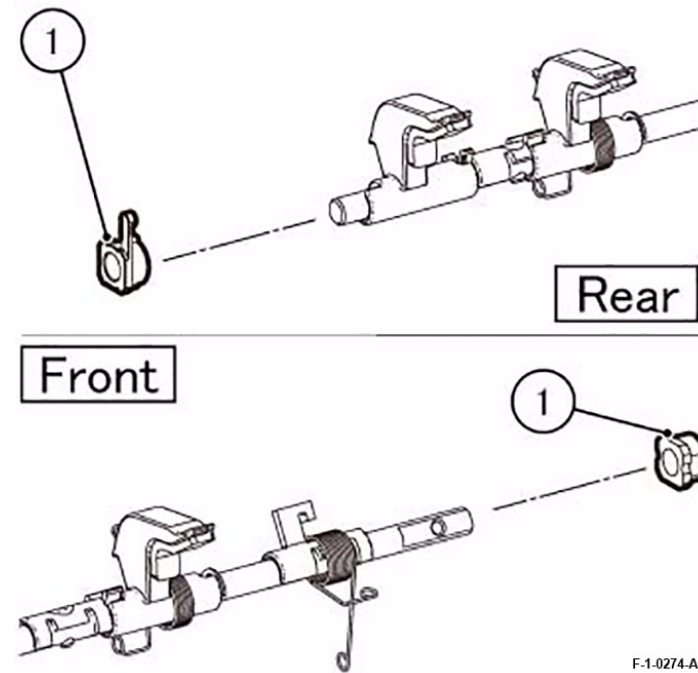
3. Remove the Set Clamp Main Shaft Assembly. ([Figure 2](#))
  - a. Release the tab of the TA Bearing, and rotate the TA Bearing in the direction of the arrow so that protrusion A fits into groove B.
  - b. Remove the Clamp Main Shaft Assembly in the direction of the arrow.



F-1-0273-A

Figure 2 Removing the Set Clamp Main Shaft Assembly

4. Remove the bearings at the front and rear from the Set Clamp Main Shaft Assembly. (Figure 3)
  - a. Remove the Bearing (x2).



F-1-0274-A

Figure 3 Removing the bearings

### Replacement

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

## REP 14.1 Compile Tray Assembly

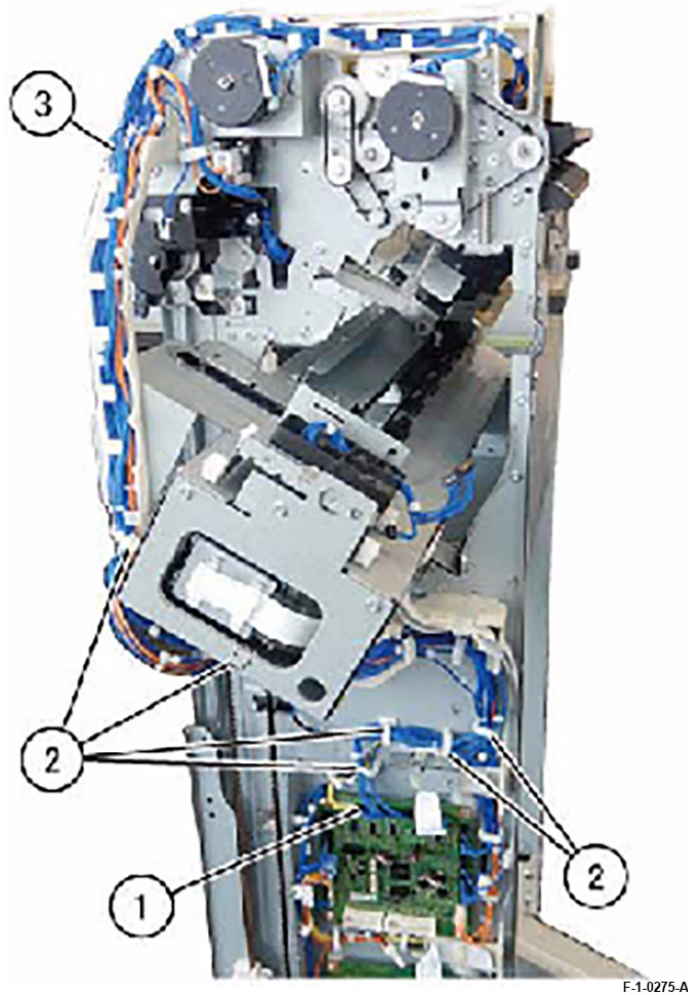
Parts List on [PL 71.14](#)

### Removal



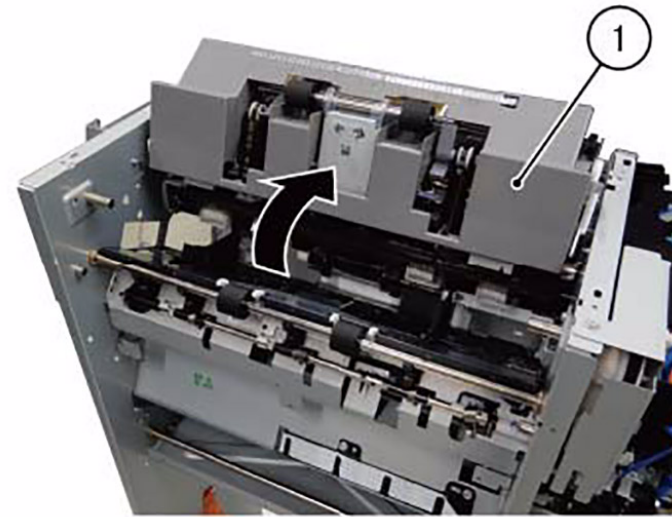
**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

1. If the machine has a Booklet Assembly, remove the Booklet Assembly. ([REP 1.3](#))
2. Detach the Office Finisher. ([REP 1.3](#))
3. Remove the Tray Guide. ([REP 10.2](#))
4. Remove the Top Cover Assembly. ([PL 71.9](#))
5. Disconnect the connector of the Compile Tray Assembly and release the harness. ([Figure 1](#))
  - a. Disconnect the connector.
  - b. Free the clamp (x6) and release the harness.
  - c. Release the harness from the Harness Guide.



**Figure 1** Disconnecting the connector of the Compile Tray Assembly

6. Move the Stapler Assembly to the rear.
7. Lift up the Eject Chute Assembly. (Figure 2)
  - a. Lift the Eject Chute Assembly in the direction of the arrow.

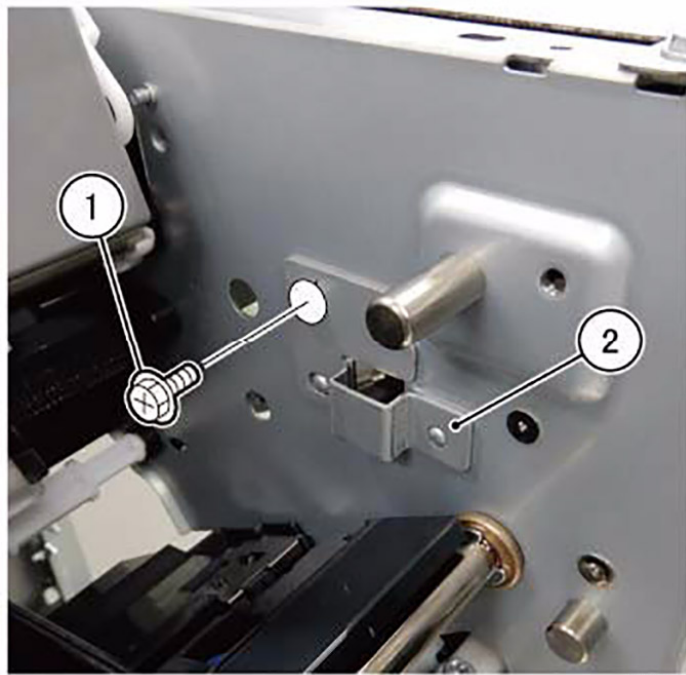


F-1-0276-A

**Figure 2** Lifting up the Eject Chute Assembly

8. Remove the Interlock Guide. (Figure 3)
  - a. Remove the screw.
  - b. Remove the Interlock Guide.





F-1-0277-A

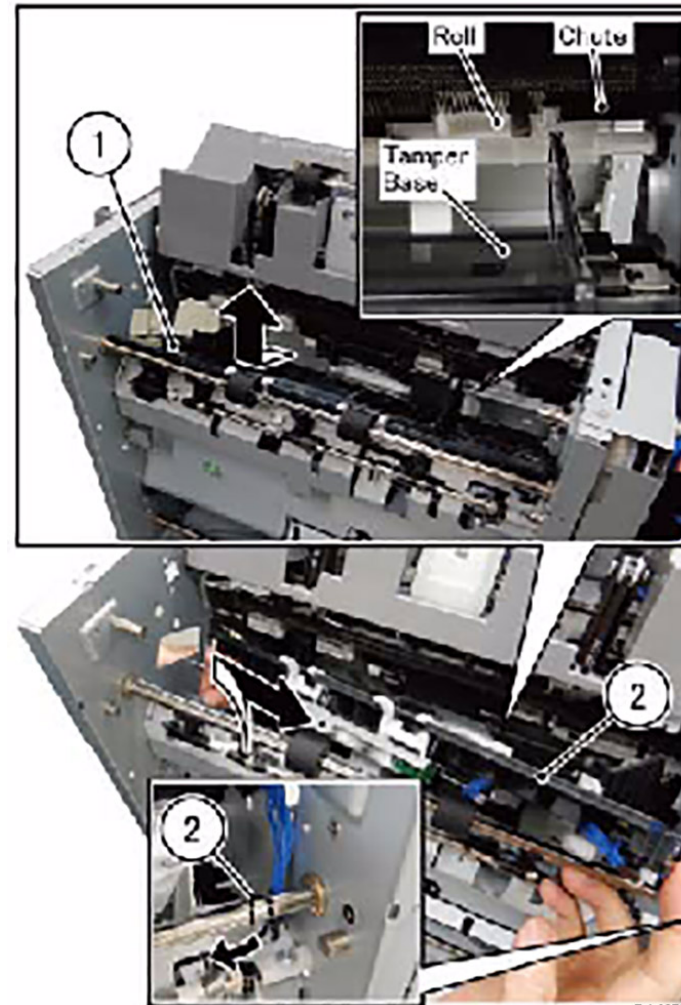
**Figure 3 Removing the Interlock Guide**

9. Remove the Compile Tray Assembly. (Figure 4)

**Note:** When removing the Compile Tray Assembly, align the Front Tamper Base and Rear Tamper Base with the gap between the Roll and Chute of the Lower Exit Chute Assembly as shown in the figure.

- a. Move the Compile Tray Assembly in the direction of the arrow.
- b. Remove the Compile Tray Assembly. When doing so, the Harness will be pulled out from the hole of the frame simultaneously.

**Note:** Remove the Compile Tray Assembly by releasing it from the hole of the Frame at the front.



F-1-0278-A

**Figure 4 Removing the Compile Tray Assembly**

### Replacement

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

## REP 16.1 Main Paddle Shaft

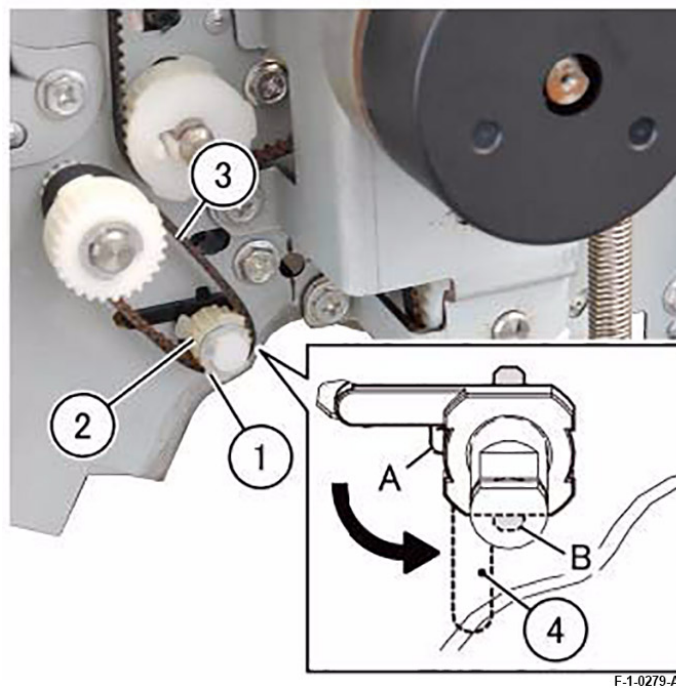
Parts List on [PL 71.16](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

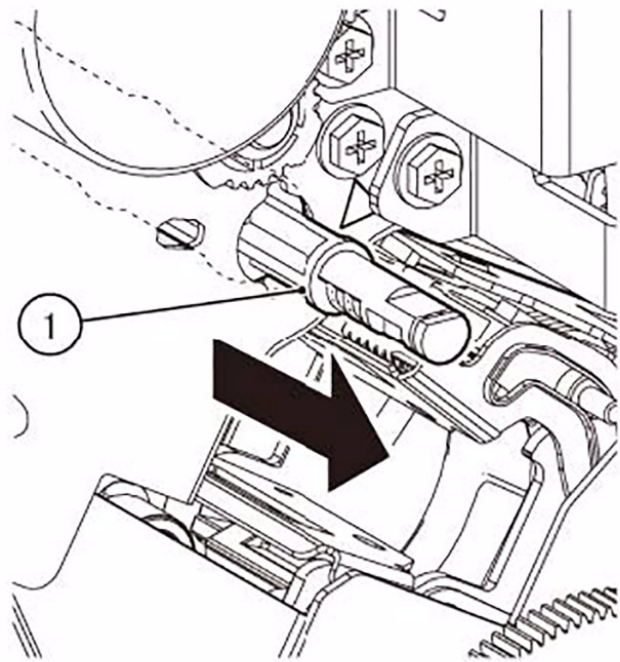
1. If the machine has a Booklet Assembly, remove the Booklet Assembly. (REP 1.3)
2. Detach the Office Finisher. (REP 1.3)
3. Remove the Eject Chute Assembly. (REP 1.3)
4. Remove the E-Clip, Main Idler Pulley, Belt and TA Bearing from the rear. (Figure 1)
  - a. Remove the E-Clip.
  - b. Remove the Main Idler Pulley.
  - c. Remove the Belt.
  - d. Rotate the TA Bearing so that protrusion A fits into groove B, and remove the TA bearing.



F-1-0279-A

Figure 1 Removing the E-Clip, Main Idler Pulley, Belt and TA Bearing

5. Remove the Main Paddle Shaft. (Figure 2)
  - a. Remove the Main Paddle Shaft in the direction of the arrow.



F-1-0280-A

**Figure 2 Removing the Main Paddle Shaft Replacement**

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

## REP 16.2 Upper Chute Assembly

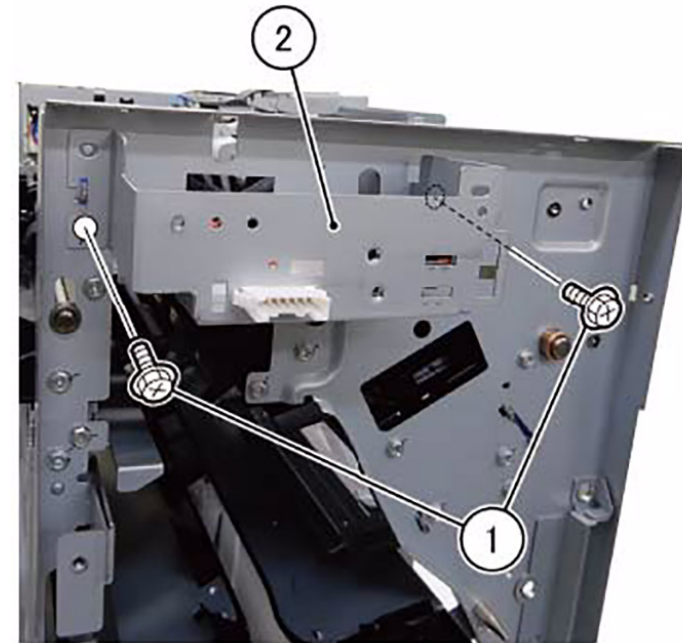
Parts List on [PL 71.16](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

1. Remove the Transport Belt. ([REP 17.2](#))
2. Remove the Front Foot Cover. ([PL 71.9](#))
3. Remove the Front Cover Assembly. ([PL 71.9](#))
4. Remove the Top Cover Assembly. ([REP 9.1](#))
5. Remove the Dummy Chute or Folder Assembly.  
Perform the following procedure as appropriate.  
For machines with Booklet Assembly, remove the Folder Assembly. ([REP 18.1](#))  
For machines without Booklet Assembly, remove the Dummy Chute. ([REP 18.2](#))
6. Remove the Interlock Bracket. ([Figure 1](#))
  - a. Remove the screw (x2).
  - b. Remove the Interlock Bracket.



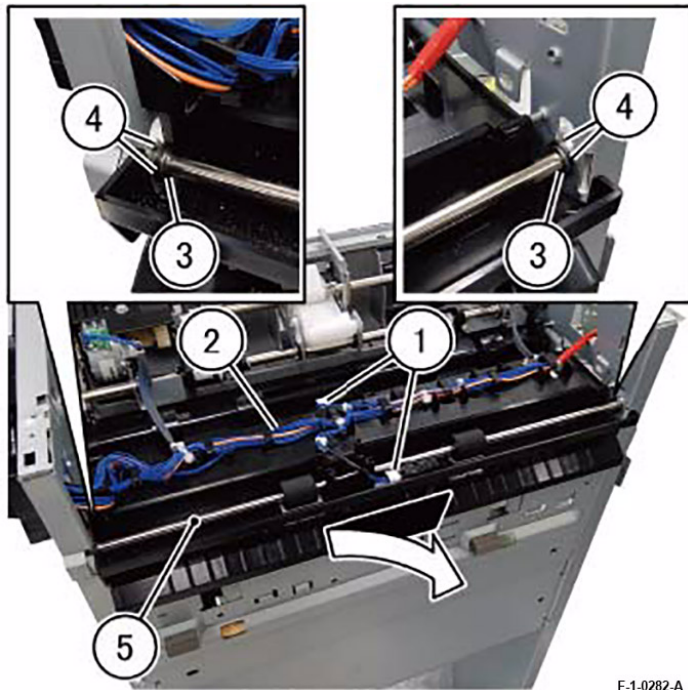
F-1-0281-A

**Figure 1 Removing the Interlock Bracket**

7. Remove the Entrance Roll Assembly. ([Figure 2](#))
  - a. Disconnect the connector (x2).



- b. Release the harness from the Harness Guide.
- c. Remove the E-Clip (x2).
- d. Shift the Washer (x2) and bearings (x2) towards the inner side.
- e. Remove the Entrance Roll Assembly in the direction of the arrow.

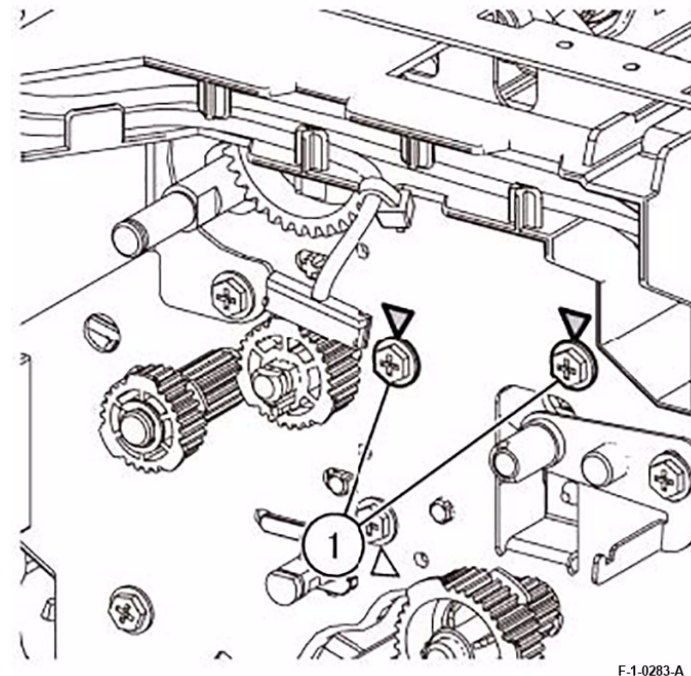


**Figure 2 Removing the Entrance Roll Assembly**

8. Remove the screw (x2) at the rear. (Figure 3)

**Note:** Remove the screw (x2) indicated by the triangular mark in the figure.

- a. Remove the screw (x2).

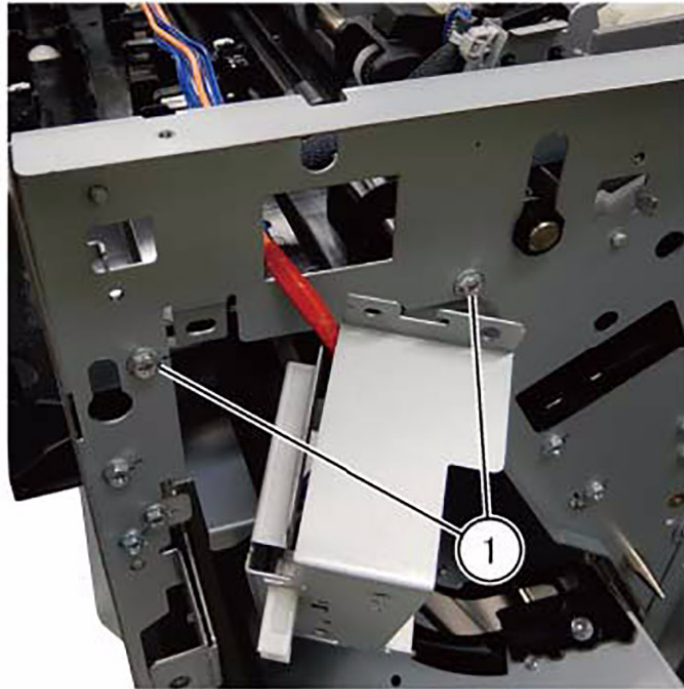


F-1-0283-A

**Figure 3 Removing the screw**

9. Loosen the screw (x2) at the Front. (Figure 4)
  - a. Loosen the screw (x2).



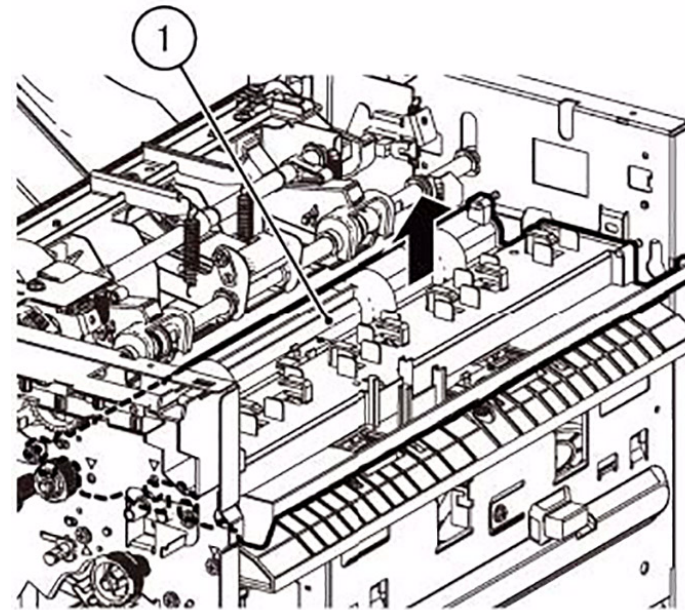


F-1-0284.A

**Figure 4 Loosen the screw**

10. Remove the Upper Chute Assembly. (Figure 5)

- a. Remove the Upper Chute Assembly.



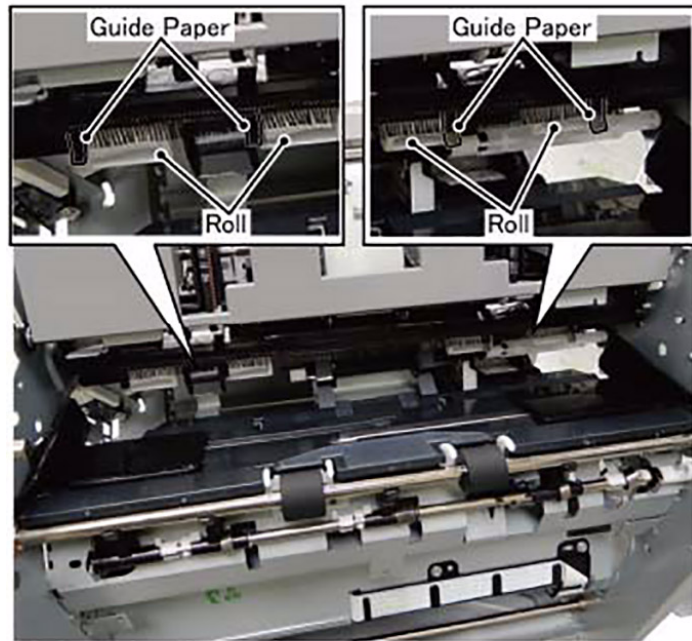
F-1-0285.A

**Figure 5 Removing the Upper Chute Assembly**

### Replacement

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

**Note:** Install such that the Guide Paper is positioned on the outside of the Roll. (Figure 6)



F-1-0286-A

Figure 6

## REP 16.3 Finisher Entrance Sensor

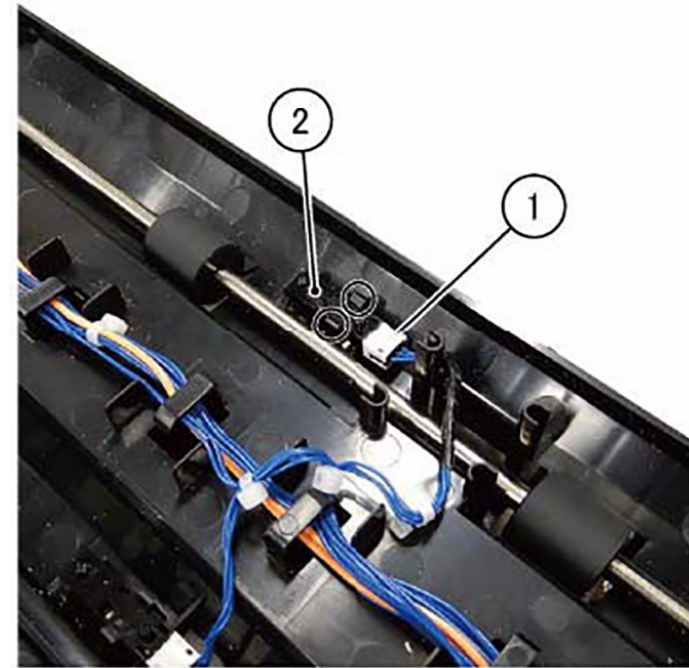
Parts List on [PL 71.16](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

1. Remove the Top Cover Assembly. ([REP 1.3](#))
2. Remove the Finisher Entrance Sensor. ([Figure 1](#))
  - a. Disconnect the connector.
  - b. Release the tab to remove the Finisher Entrance Sensor.



F-1-0287-A

Figure 1 Removing the Finisher Entrance Sensor

### Replacement

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

**Note:** Thread the harness as shown in the figure. ([Figure 2](#))



F-1-0288-A

Figure 2 Threading the harness

## REP 17.1 Finisher Transport Motor Assembly

Parts List on [PL 71.17](#)

### Removal

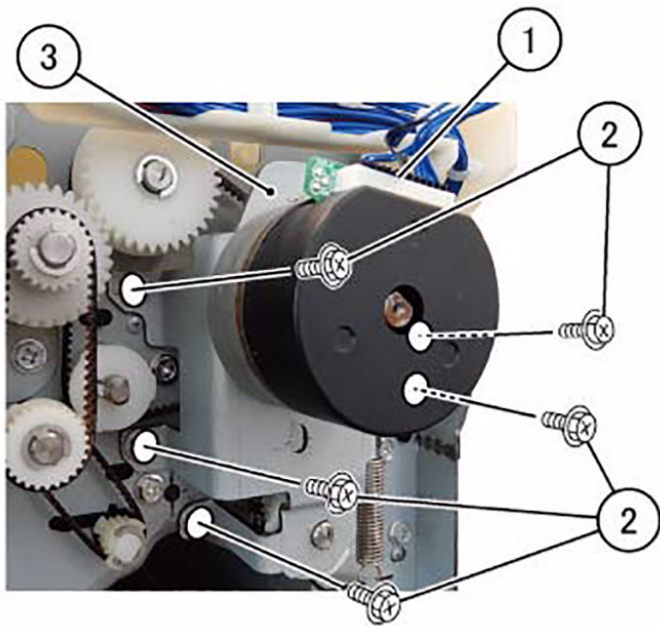


**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

1. If the machine has a Booklet Assembly, remove the Booklet Assembly. (REP 3.1)
2. Detach the Office Finisher. (REP 3.1)
3. Remove the following parts.
  - Rear Upper Cover (PL 71.9)
4. Remove the Finisher Transport Motor Assembly. (Figure 1)

**Note:** Be careful when removing the Finisher Transport Motor Assembly, as the Belt at the back will also come off at the same time.

- a. Disconnect the connector.
- b. Remove the screw (x5).
- c. Remove the Finisher Transport Motor Assembly.



F-1-0289-A

Figure 1 Removal of the Finisher Transport Motor Assembly

### Replacement

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

## REP 17.2 Transport Belt

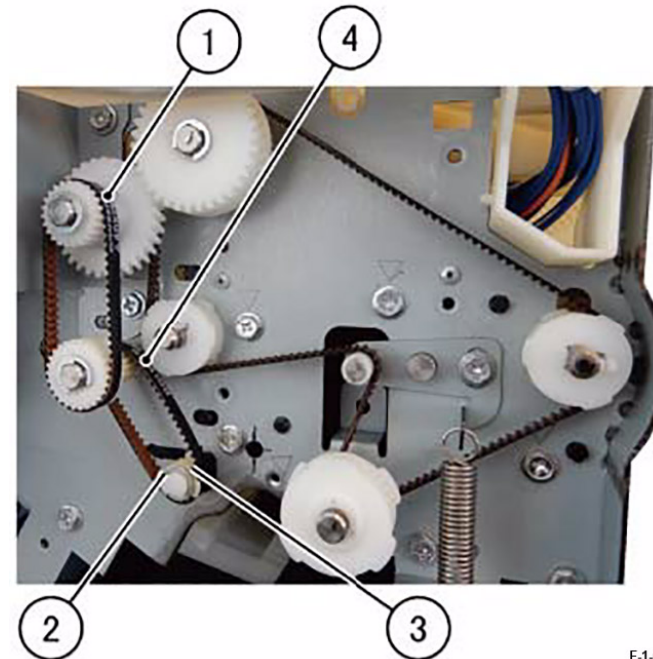
Parts List on [PL 71.17](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

1. If the machine has a Booklet Assembly, remove the Booklet Assembly. (REP 1.3)
2. Detach the Office Finisher. (REP 1.3)
3. Remove the Finisher Transport Motor Assembly. (REP 17.1)
4. Remove the Belt (x2). (Figure 1)
  - a. Remove the Belt.
  - b. Remove the E-Clip.
  - c. Remove the Main Idler Pulley.
  - d. Remove the Belt.



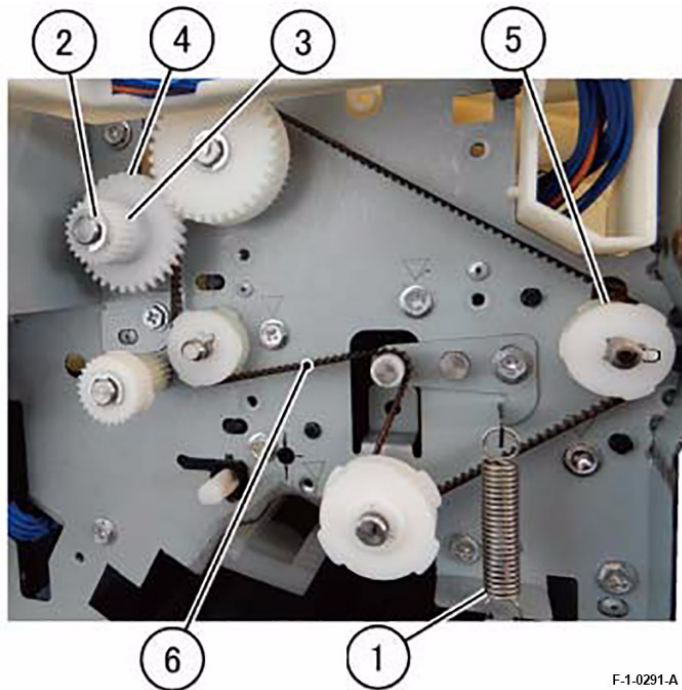
F-1-0290-A

Figure 1 Removing the Belt

5. Remove the Belt. (Figure 2)
  - a. Remove the Tension Spring.
  - b. Remove the E-Clip.
  - c. Remove the One Way Pulley Assembly.
  - d. Remove the gear (Z31).



- e. Release the tab to remove the pulley.
- f. Remove the Belt.



F-1-0291-A

**Figure 2 Removing the Belt****Replacement**

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

## REP 18.1 Folder Assembly (Option)

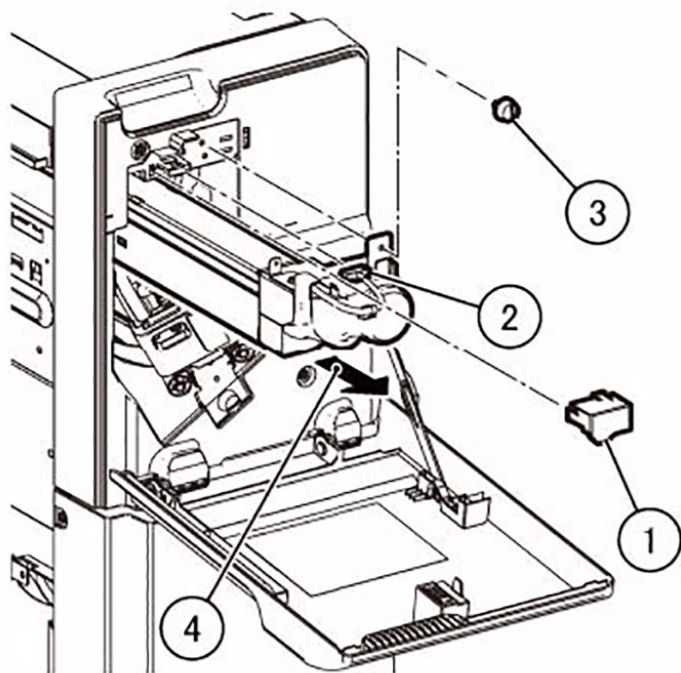
Parts List on [PL 71.18](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

1. Open the Door Cover Assembly of the Office Finisher.
2. Remove the Folder Assembly. (Figure 1)
  - a. Remove the Connector Cover.
  - b. Disconnect the connector.
  - c. Remove the Docking Screw.
  - d. Remove the Folder Assembly.



F-1-0292-A

Figure 1 Removal of the Folder Assembly

3. Close the Door Cover Assembly of the Office Finisher.

### Replacement

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

## REP 18.2 Dummy Chute

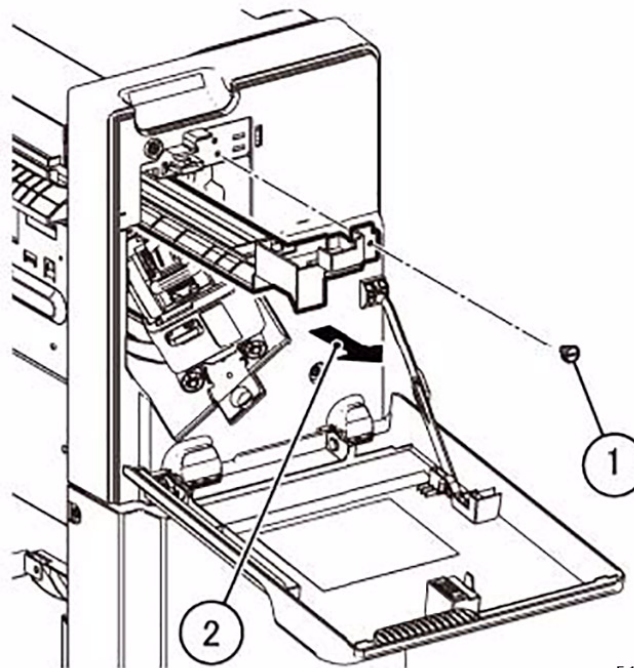
Parts List on [PL 71.18](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

1. Open the Door Cover Assembly of the Office Finisher.
2. Remove the Dummy Chute. (Figure 1)
  - a. Remove the Docking Screw.
  - b. Remove the Dummy Chute.



F-1-0293-A

Figure 1 Removal of the Dummy Chute

3. Close the Door Cover Assembly of the Office Finisher.

### Replacement

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

## REP 22.1 Rail Assembly

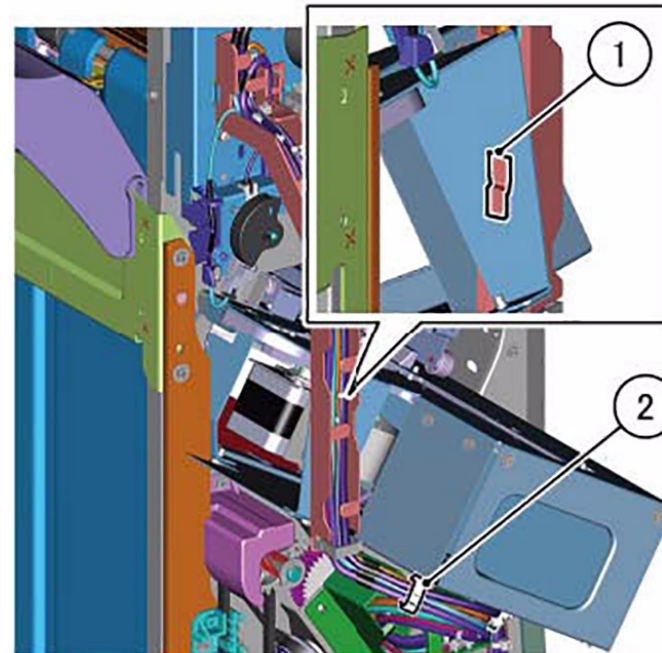
Parts List on [PL 71.26](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

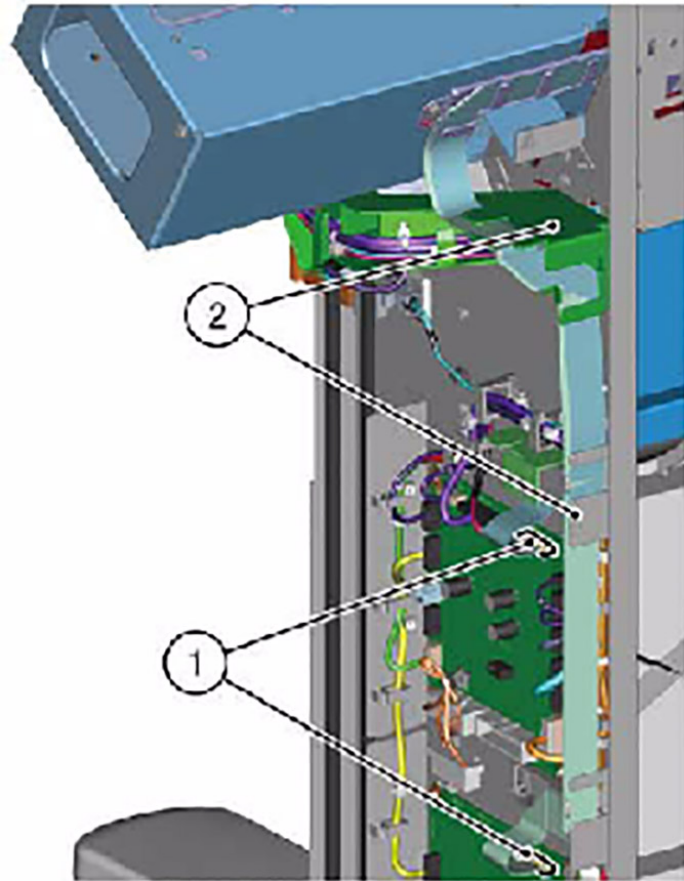
1. If the machine has a Booklet Assembly, remove the Booklet Assembly. ([REP 3.1](#))
2. Detach the Office Finisher. ([REP 3.1](#))
3. Remove the Stapler Assembly. ([REP 22.2](#))
4. Remove the Rear Lower Cover. ([PL 71.9](#))
5. Remove the hook and clamp of Harness Guide. ([Figure 1](#))
  - a. Remove the Hook.
  - b. Remove the clamp.



F-1-0294-A

**Figure 1** Removal of the hook and clamp of Harness Guide

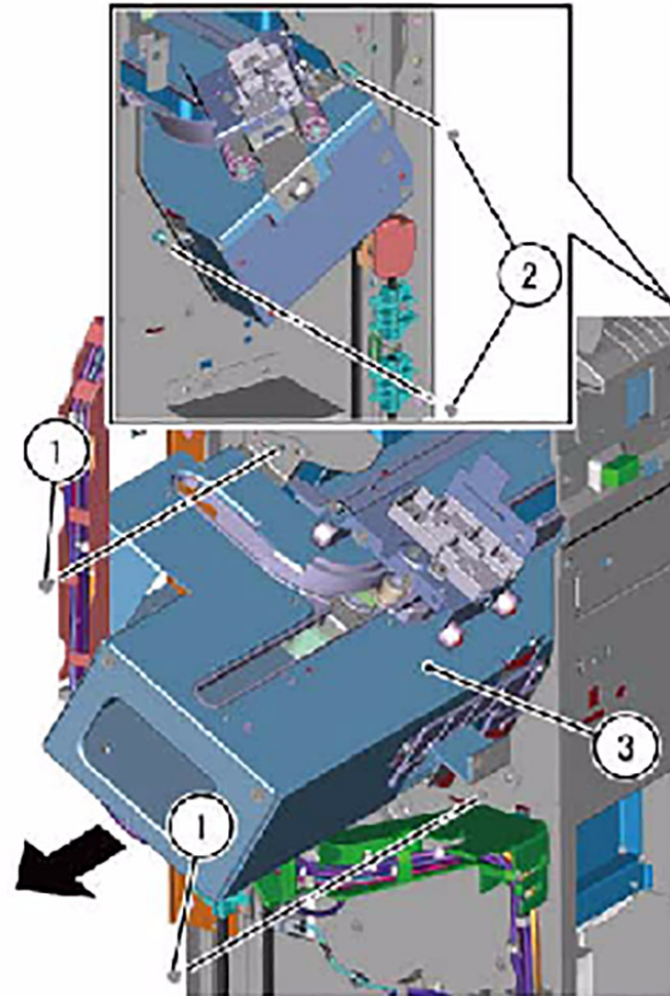
6. Disconnect the FFC and release the FFC from the Harness Guide. ([Figure 2](#))
  - a. Disconnect the connector (x2).
  - b. Release the FFC from the Harness Guide.



F-1-0295-A

**Figure 2 Disconnecting the FFC**

7. Remove the Rail Assembly. (Figure 3)
  - a. Remove the screw (x2).
  - b. Remove the screw (x2).
  - c. Pull the Rail Assembly towards the rear.



F-1-0296-A

**Figure 3 Removal of the Rail Assembly****Replacement**

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



## REP 22.2 Stapler Assembly

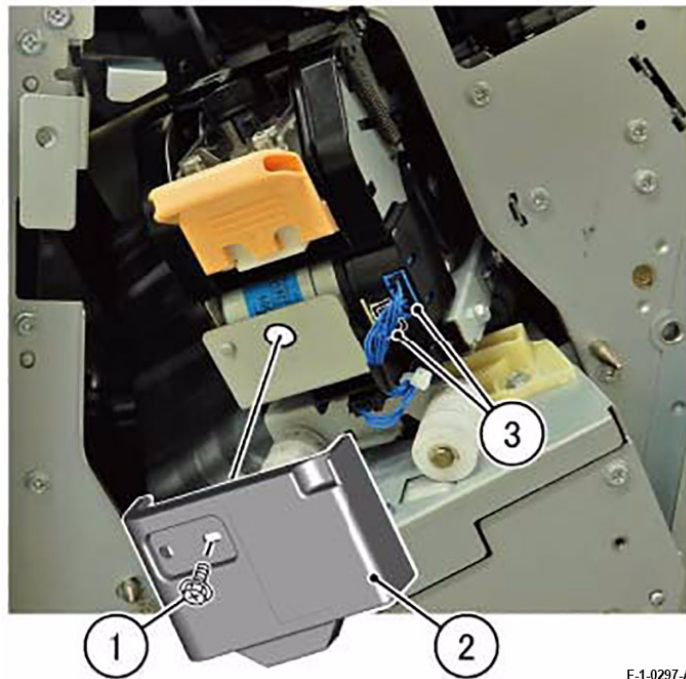
Parts List on [PL 71.26](#)

### Removal



**WARNING:** After the Data LED switches OFF, press the [Job Status] button to check that there are no jobs in progress. Switch the power OFF and unplug the machine.

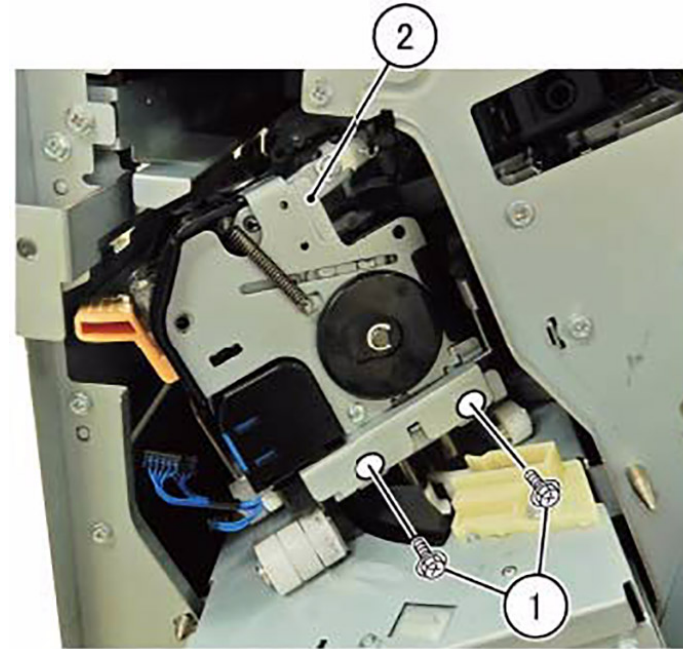
1. If the machine has a Booklet Assembly, remove the Booklet Assembly. ([REP 1.3](#))
2. Detach the Office Finisher. ([REP 1.3](#))
3. Move the Stapler Assembly to the front.
4. Remove the Stapler Connector Cover and disconnect the connector (x3). ([Figure 1](#))
  - a. Remove the screw.
  - b. Remove the Stapler Connector Cover.
  - c. Disconnect the connector (x2).



F-1-0297-A

**Figure 1** Removal of the Stapler Connector Cover

5. Remove the Stapler Assembly. ([Figure 2](#))
  - a. Remove the screw (x2).
  - b. Remove the Stapler Assembly towards you.



F-1-0298-A

**Figure 2** Removal of the Stapler Assembly

### Replacement

1. To install, carry out the removal steps in reverse order. However, take note of the following when performing the installation.

**Note:** When installing the Stapler Assembly, insert the tab properly into the hole of the Frame. ([Figure 3](#))

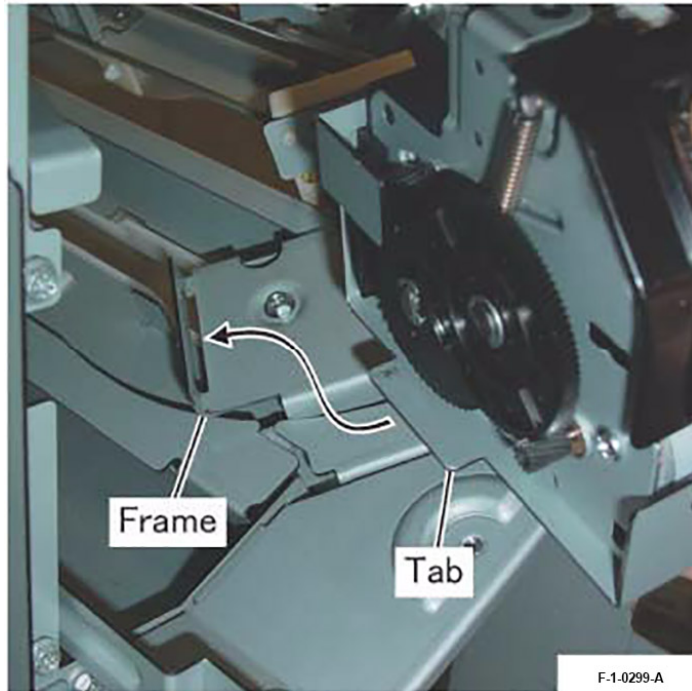


Figure 3 Installing the Stapler Assembly

## ADJ 2.1 Hole Punch Tool

Parts List on [PL 71.2](#)

- Select the installed Hole Punch unit.
  1. Enter [Finisher Adjustment] by the following steps.
    - a. KO Screen: Maintenance -> Finisher Adjustment
    - b. CE Screen: Maintenance/Diagnostics -> Finisher Adjustment
  2. Select [Hole Punch Tool].
  3. Select the installed Hole Punch unit and select [Save].
    - 2/4 Hole Punch
    - 2/3 Hole Punch (US Specification)

## ADJ 18.1 Adjust Booklet Fold Position

Parts List on [PL 71.18](#)

- Adjust the Booklet Fold Position.
1. Enter [Finisher Adjustment] by the following steps.
    - a. KO Screen: Maintenance -> Finisher Adjustment
    - b. CE Screen: Maintenance/Diagnostics -> Finisher Adjustment
  2. Select [Adjust Booklet Fold Position].
    - a. Booklet Fold Position, smaller than B4
      - i. Select [Sample Printout] to output a sample and select an option that best describes the folded/stapled page.
        - Long at Left Staple at Left
        - Long at Right Staple at Left
        - Long at Left Staple at Right
        - Long at Right Staple at Right
      - ii. Measure and enter Values A & B.
      - iii. Select [Adjust]. Select [Sample Printout] to output a sample page again to see result.
      - iv. Select a tray loaded with A4 Landscape or 8.5x11" Landscape paper and press <Start>.
    - b. Booklet Fold Position, B4 or larger
      - i. Select [Sample Printout] to output a sample and select an option that best describes the folded/stapled page.
        - Long at Left Staple at Left
        - Long at Right Staple at Left
        - Long at Left Staple at Right
        - Long at Right Staple at Right
      - ii. Measure and enter Values A & B.
      - iii. Select [Adjust]. Select [Sample Printout] to output a sample page again to see result.
      - iv. Select a tray loaded with A3 Landscape or 11x17" Landscape paper and press <Start>.

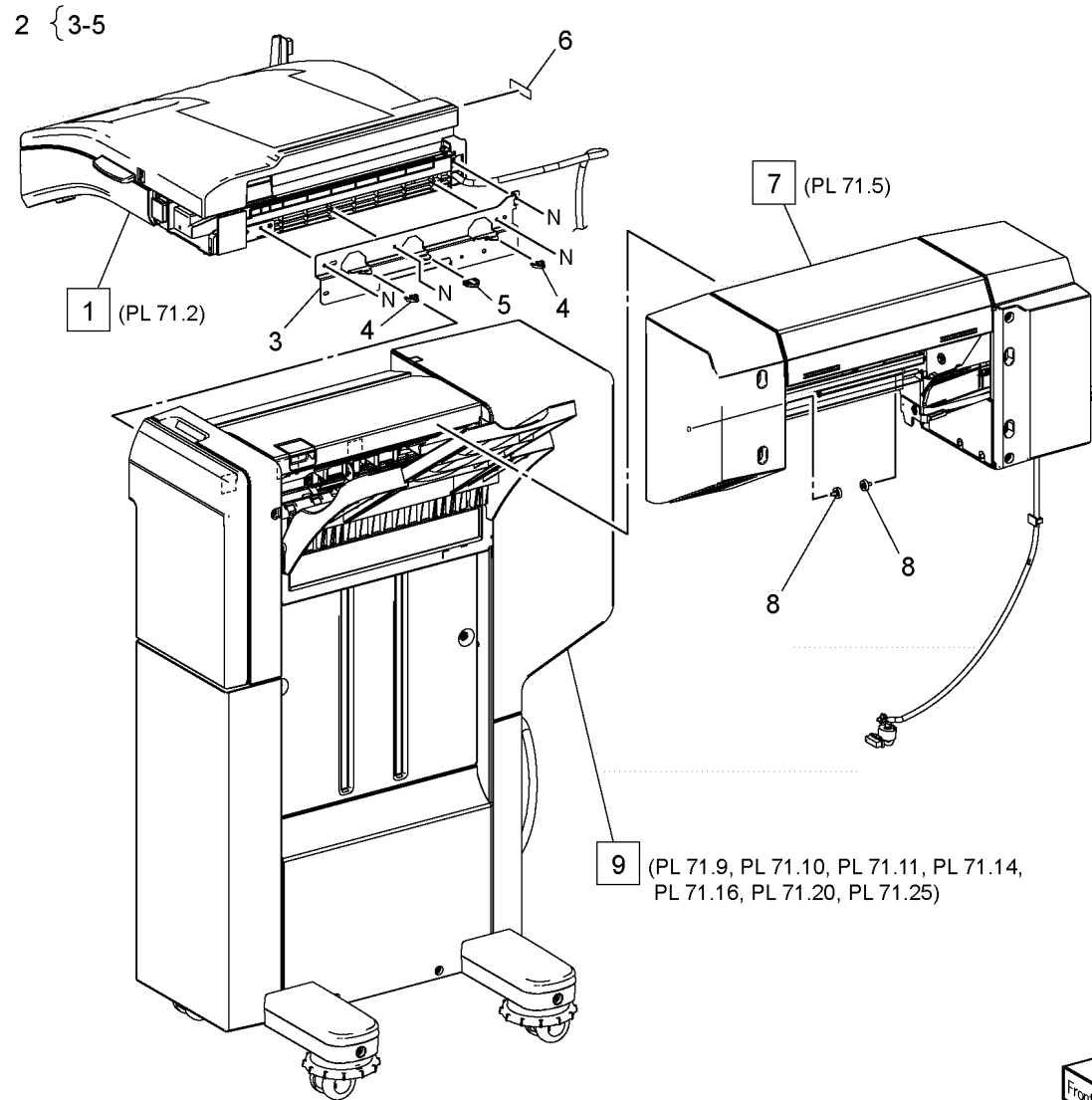
# 5 Parts List

<b>Finishers</b> .....	<b>107</b>
PL 71.1 Finisher-B3 .....	108
PL 71.2 H-Transport Assembly, Punch Assembly .....	109
PL 71.3 Lower Chute Assembly .....	110
PL 71.4 Punch Assembly (Option) .....	111
PL 71.5 Booklet Cover (Option) .....	112
PL 71.6 Booklet Electrical (Option) .....	113
PL 71.7 Booklet Stapler Assembly (Option) (1 of 2) .....	114
PL 71.8 Booklet Stapler Assembly (Option) (2 of 2) .....	115
PL 71.9 Finisher Cover .....	116
PL 71.10 Stacker Assembly .....	117
PL 71.11 Eject Assembly .....	118
PL 71.12 Eject Motor Drive Assembly .....	119
PL 71.13 Eject Chute Assembly .....	120
PL 71.14 Compile Tray Assembly (1 of 2) .....	121
PL 71.15 Compile Tray Assembly (2 of 2) .....	122
PL 71.16 Transport Assembly .....	123
PL 71.17 Finisher Transport Motor Assembly .....	124
PL 71.18 Folder Assembly (1 of 2) .....	125
PL 71.19 Folder Assembly (2 of 2) .....	126
PL 71.20 Finisher-B3 Electrical .....	127
PL 71.25 Stapler Assembly .....	128
PL 71.26 Staple Holder Assembly .....	129
PL 71.27 Stapler Rail Assembly .....	130
PL 71.28 Stapler Drive Assembly .....	131
<b>Common Hardware</b> .....	<b>132</b>
Common Hardware .....	133



### PL 71.1 Finisher-B3

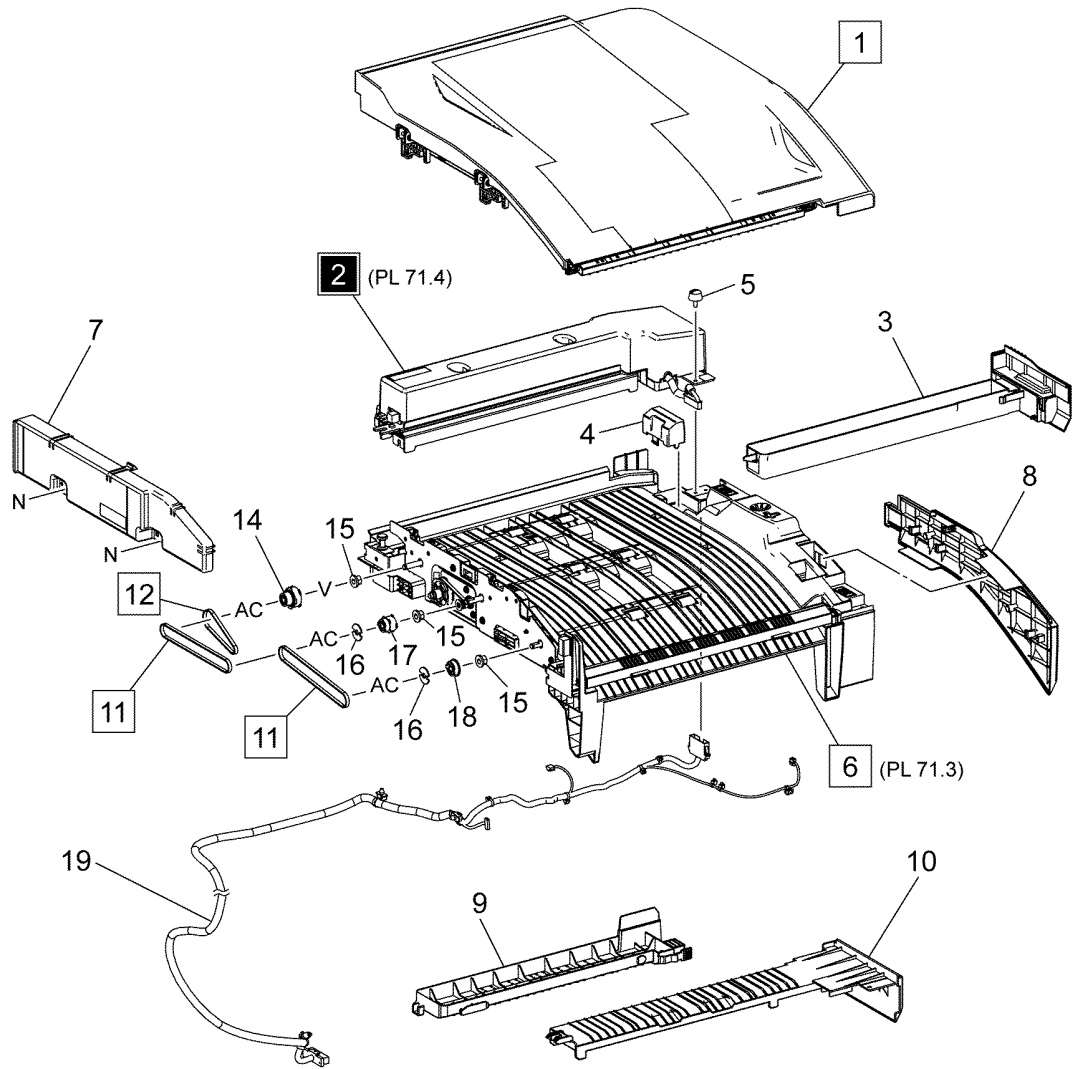
Item	Part	Description
1	859K13283	H-Transport Assembly (REF: PL 71.2) (REP 1.1)
2	049K44680	Docking Bracket Assembly
3	—	Docking Bracket (P/O PL 71.1 Item 2)
4	—	Side Guide (P/O PL 71.1 Item 2)
5	—	Center Guide (P/O PL 71.1 Item 2)
6	—	Label (H-Transport Serial)
7	497K20590	Booklet Assembly (Option) (REF: PL 71.5) (REP 1.2)
8	826E31870	Thumb Screw (Option)
9	—	Finisher-B3 Assembly (REF: PL 71.9, PL 71.10, PL 71.11, PL 71.14, PL 71.16, PL 71.20, PL 71.25) (REP 1.3)



0571001A

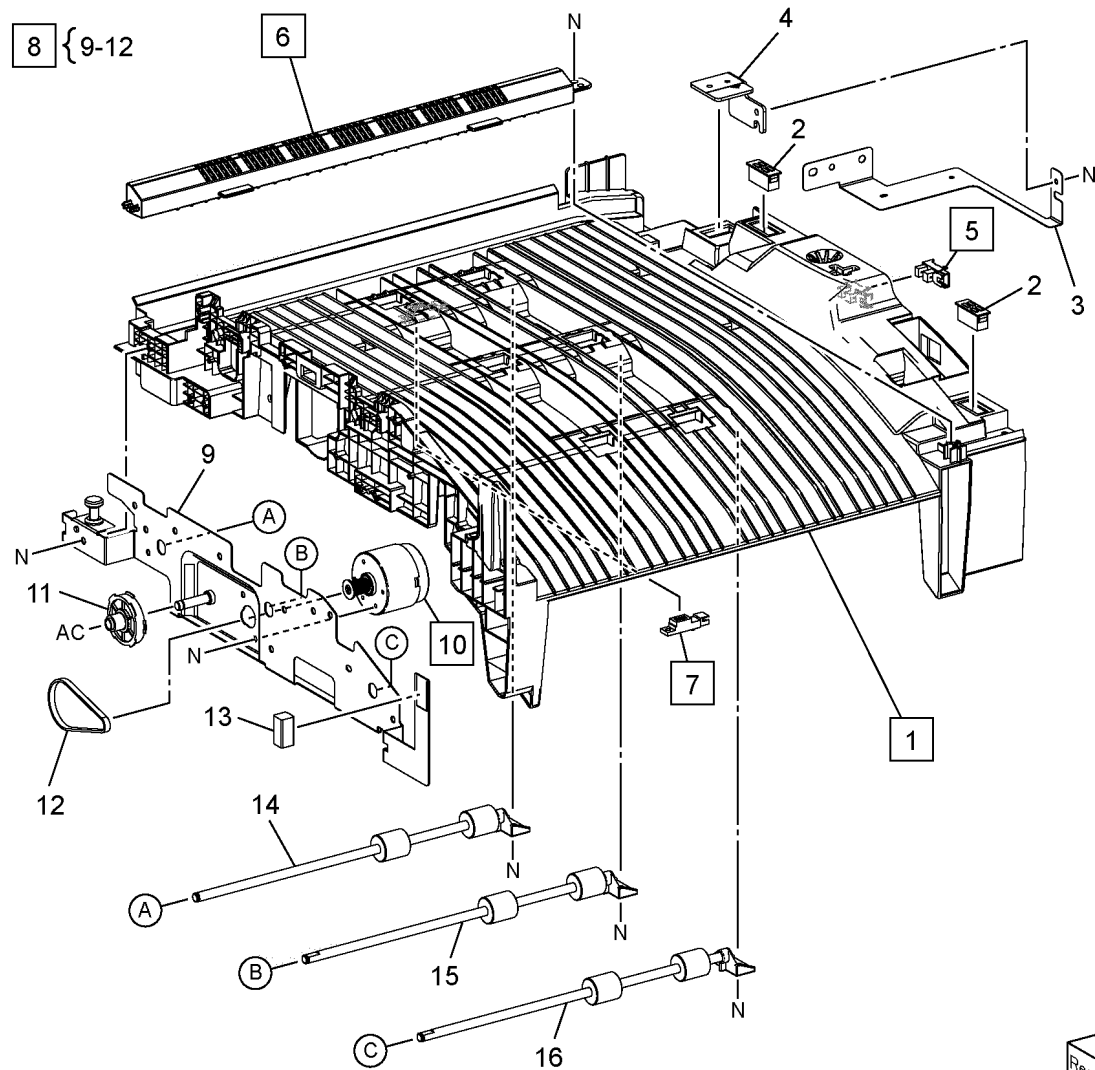
### PL 71.2 H-Transport Assembly, Punch Assembly

Item	Part	Description
1	948K20940	Top Cover Assembly
2	497K20600	Punch Assembly (2/3 Hole) (Option) (REF: PL 71.4) (ADJ 2.1)
—	497K20610	Punch Assembly (2/4 Hole) (Option) (REF: PL 71.4) (ADJ 2.1)
3	948K21970	Dust Box Cover Assembly (Option)
4	822E55780	Connector Cover
5	026K81200	Thumb Screw
6	054K59882	Lower Chute Assembly (REF: PL 71.3)
7	—	Rear Cover
8	822E53650	Front Cover
9	054E63081	Top Dummy Chute
10	822E53141	Lower Dummy Chute
11	423W15054	Belt (REP 2.1)
12	423W08054	Idler Belt (REP 2.1)
13	—	Not used
14	020K19201	Pulley (Exit)
15	413W75959	Bearing
16	—	Collar
17	—	Pulley (Middle)
18	—	Pulley (Entrance)
19	117K50350	Wire Harness (H-Transport)



### PL 71.3 Lower Chute Assembly

Item	Part	Description
1	—	H-Transport Lower Chute
2	421W00101	Magnet Box
3	—	Earth Ground Plate
4	—	Punch Bracket
5	930W00122	H-Transport Open Sensor
6	—	H-Transport In Lower Chute
7	130E21140	H-Transport Entrance Sensor
8	049K44660	Cover Bracket Assembly (REP 3.1)
9	—	Drive Bracket Assembly (P/O PL 71.3 Item 8)
10	—	H-Transport Motor Assembly (P/O PL 71.3 Item 8) (REP 3.1)
11	—	Idler Pulley (P/O PL 71.3 Item 8)
12	—	Idler Belt (P/O PL 71.3 Item 8)
13	—	Shield Gasket
14	859K13651	Bearing Exit Roll Assembly
15	859K13151	Bearing Middle Roll Assembly
16	859K13131	Bearing Entrance Roll Assembly

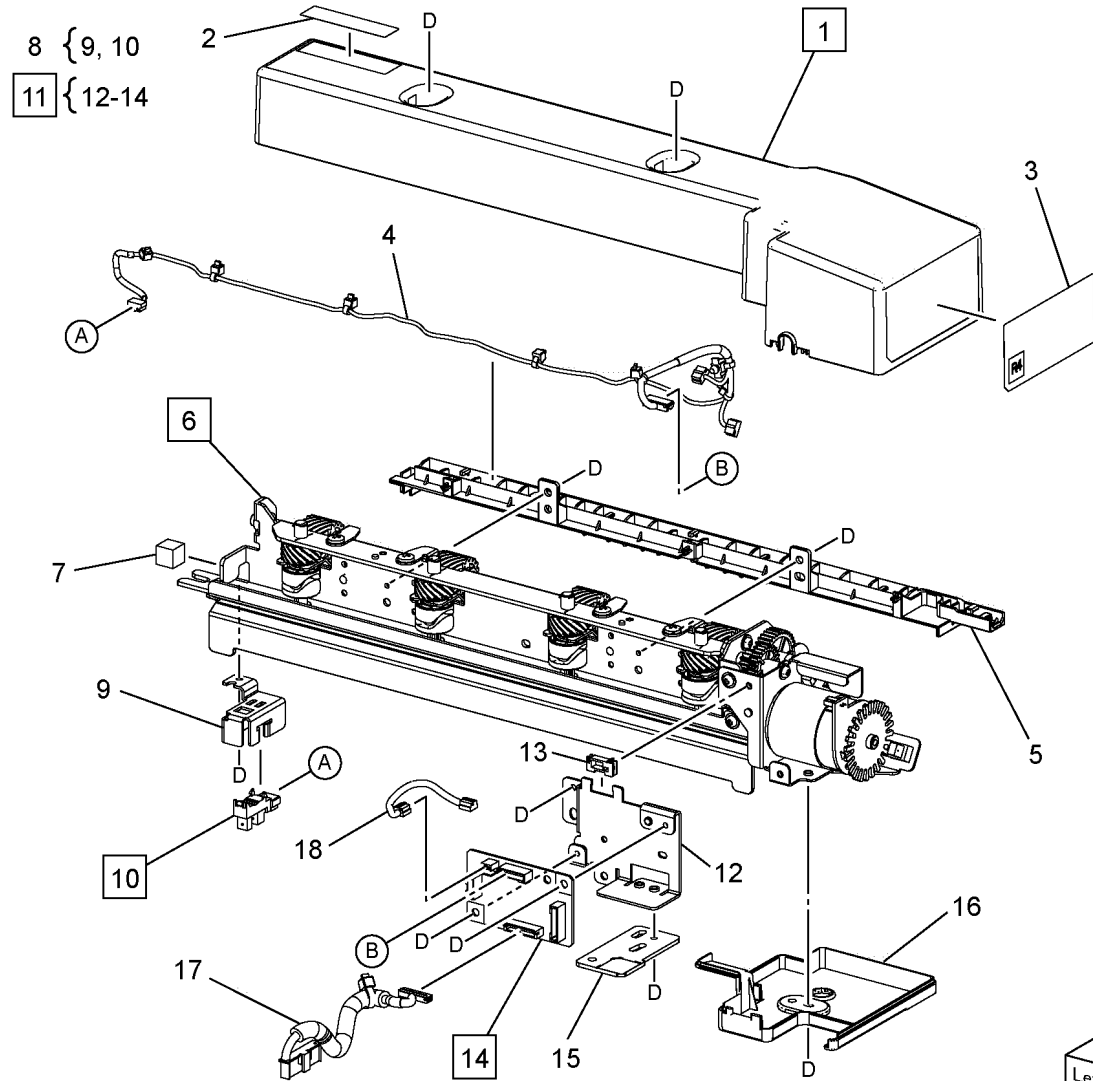


0571003A



### PL 71.4 Punch Assembly (Option)

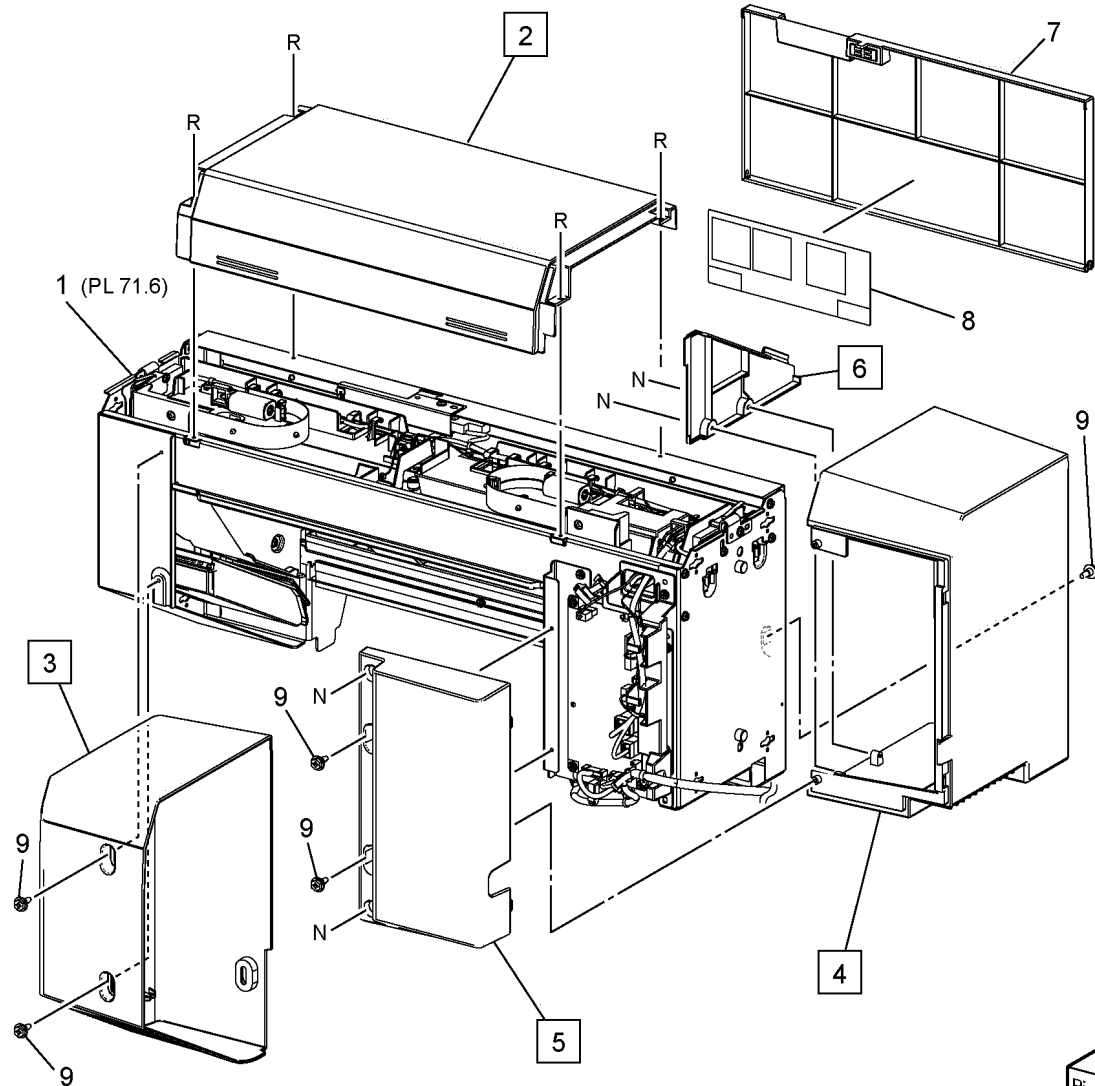
Item	Part	Description
1	—	Top Punch Cover
2	—	Label (Punch Serial 2/4 Hole)
3	—	Label (R4)
4	—	Wire Harness (Punch Sensor)
5	—	Punch Harness Chute
6	—	Punch Frame Assembly (2/4 Hole)
7	—	Shield Gasket
8	—	Dust Box Set Sensor Bracket Assembly
9	—	Dust Box Set Sensor Bracket (P/O PL 71.4 Item 8)
10	930W00122	Punch Dust Box Set Sensor
11	—	Punch PWB Assembly
12	—	Punch PWB Bracket (P/O PL 71.4 Item 11)
13	—	Bush (P/O PL 71.4 Item 11)
14	—	Punch PWB (P/O PL 71.4 Item 11)
15	—	Docking Punch Bracket Assembly
16	—	Punch Cover Motor
17	—	Wire Harness (Punch Interface)
18	—	Wire Harness (Punch Motor)
2A	—	Label (Punch Serial 2/3 Hole)
6A	—	Punch Frame Assembly (2/3 Hole)



0571004A

### PL 71.5 Booklet Cover (Option)

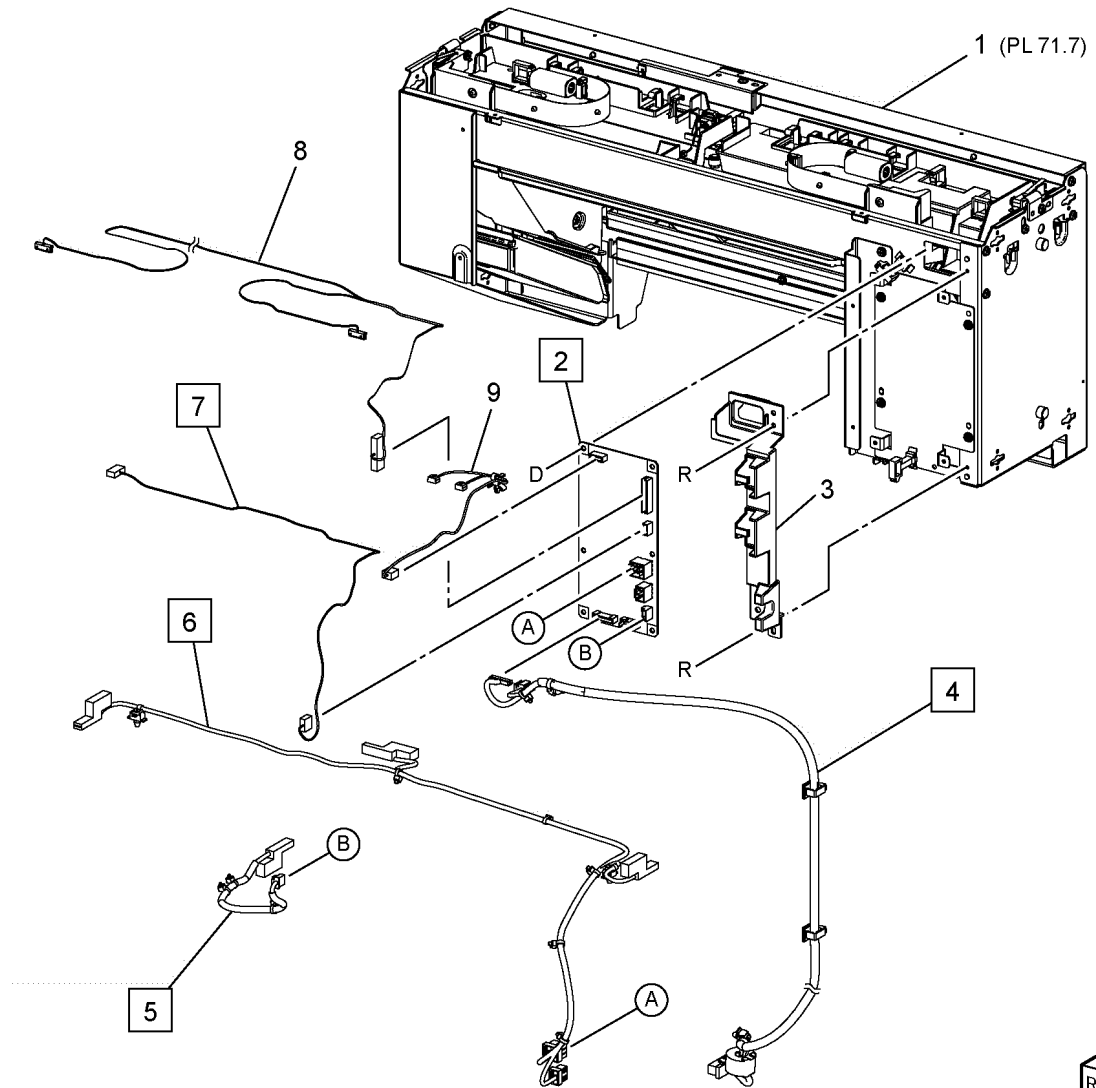
Item	Part	Description
1	—	Booklet Frame Unit (REF: <a href="#">PL 71.6</a> )
2	—	Top Cover
3	—	Front Cover
4	—	Rear Cover
5	—	PWB Cover
6	—	Rear Side Cover
7	—	Left Cover Assembly
8	—	Label (Book 1)
9	—	Shoulder Screw



0571005A

### PL 71.6 Booklet Electrical (Option)

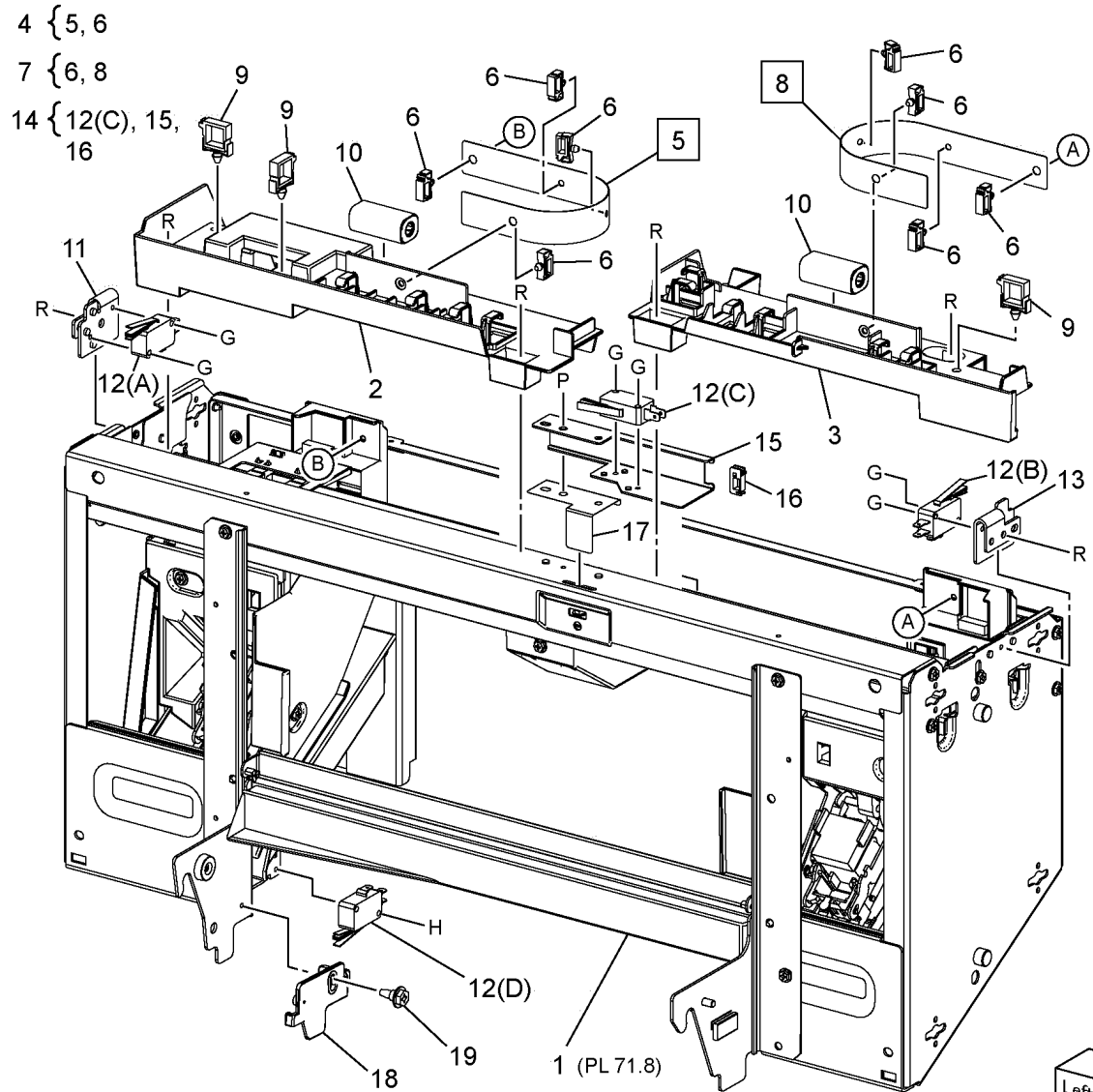
Item	Part	Description
1	—	Frame Assembly (REF: PL 71.7)
2	960K92082	Booklet PWB
3	—	Booklet PWB Harness Guide
4	952K43250	Wire Harness (Booklet Interface)
5	—	Wire Harness (Booklet Interlock 1)
6	—	Wire Harness (Booklet Interlock 2)
7	—	Wire Harness (Booklet Motor)
8	—	Wire Harness (Booklet Staple)
9	—	Wire Harness (Booklet Sensor)



Right Rear  
0571006A

### PL 71.7 Booklet Stapler Assembly (Option) (1 of 2)

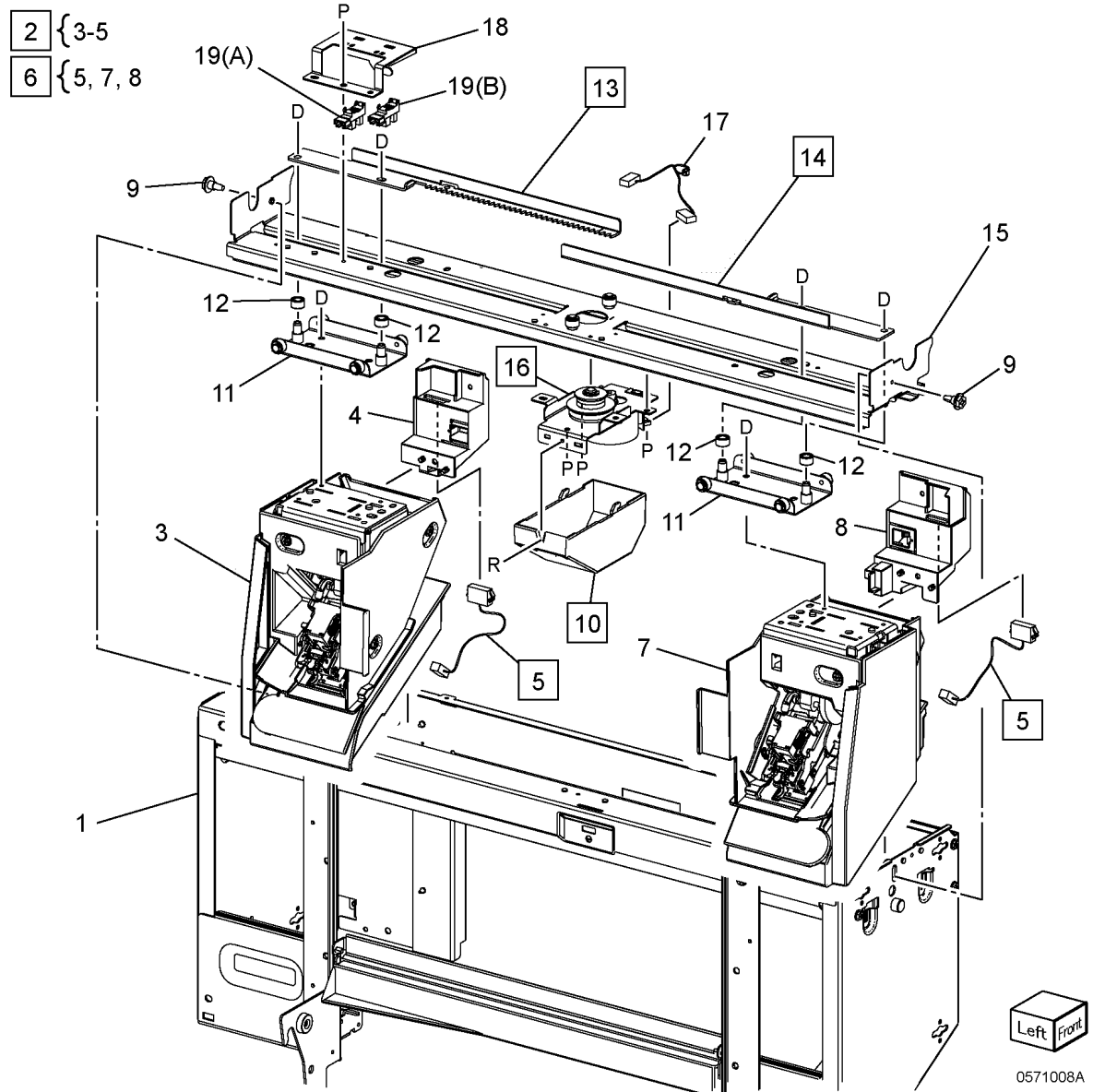
Item	Part	Description
1	—	Booklet Frame Assembly (REF: PL 71.8)
2	—	Rear Harness Guide
3	—	Front Harness Guide
4	—	Rear Stapler Harness Guide Assembly
5	—	Rear Stapler Harness Guide (P/O PL 71.7 Item 4)
6	—	Clamp
7	—	Front Stapler Harness Guide Assembly
8	—	Front Stapler Harness Guide (P/O PL 71.7 Item 7)
9	—	Clamp
10	—	Core
11	—	Rear Interlock Bracket
12	110E15060	Booklet Rear Safety Switch (A)/ Booklet Front Safety Switch (B)/ Booklet Cover Open Switch (C)/ Option Switch (D)
13	—	Front Interlock Bracket
14	—	Booklet Interlock Bracket Assembly
15	—	Booklet Interlock Bracket (P/O PL 71.7 Item 14)
16	—	Bush (P/O PL 71.7 Item 14)
17	—	Switch Plate
18	120E39372	Interlock Actuator
19	—	Shoulder Screw



0571007A

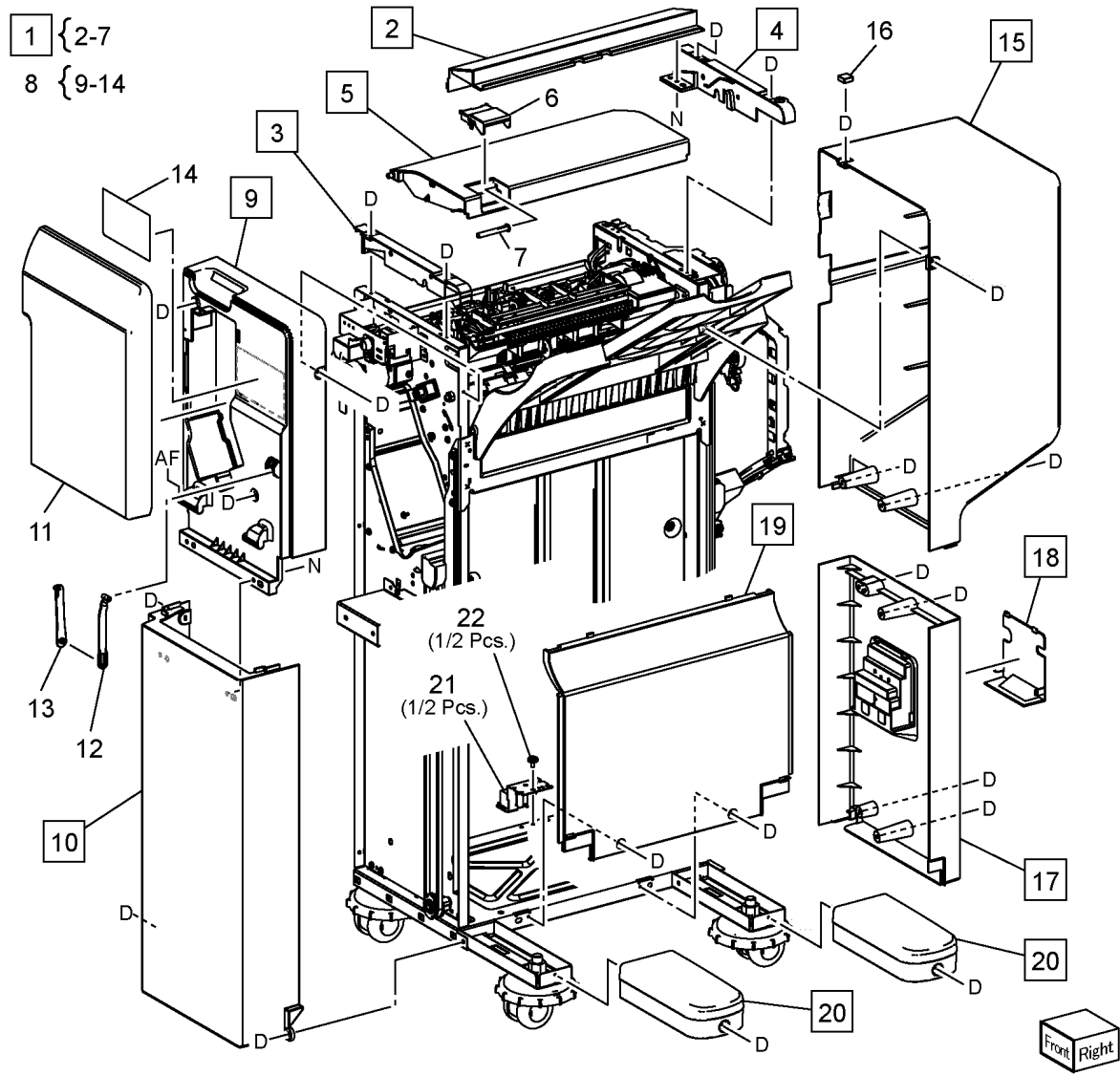
### PL 71.8 Booklet Stapler Assembly (Option) (2 of 2)

Item	Part	Description
1	—	Booklet Frame
2	029K93591	Rear Stapler Assembly (REP 8.1)
3	—	Rear Stapler Bracket Assembly (P/O PL 71.8 Item 2)
4	—	Rear Booklet Stapler Harness Guide (P/O PL 71.8 Item 2)
5	—	Wire Harness (Booklet Stapler Exit) (P/O PL 71.8 Item 2)
6	029K93581	Front Stapler Assembly (REP 8.1)
7	—	Front Stapler Bracket Assembly (P/O PL 71.8 Item 6)
8	—	Front Booklet Stapler Harness Guide (P/O PL 71.8 Item 6)
9	—	Shoulder Screw
10	—	Center Cover
11	—	Carriage Assembly
12	—	Core
13	—	Rear Rack Gear (REP 8.2)
14	—	Front Rack Gear (REP 8.2)
15	—	Carriage Rail Assembly
16	—	Booklet Staple Move Motor Assembly (REP 8.3)
17	962K64630	Wire Harness (Booklet Staple Move Motor)
18	—	Sensor Bracket
19	930W00122	Booklet Stapler Move Home Sensor (A)/ Booklet Stapler Move Position Sensor (B)



### PL 71.9 Finisher Cover

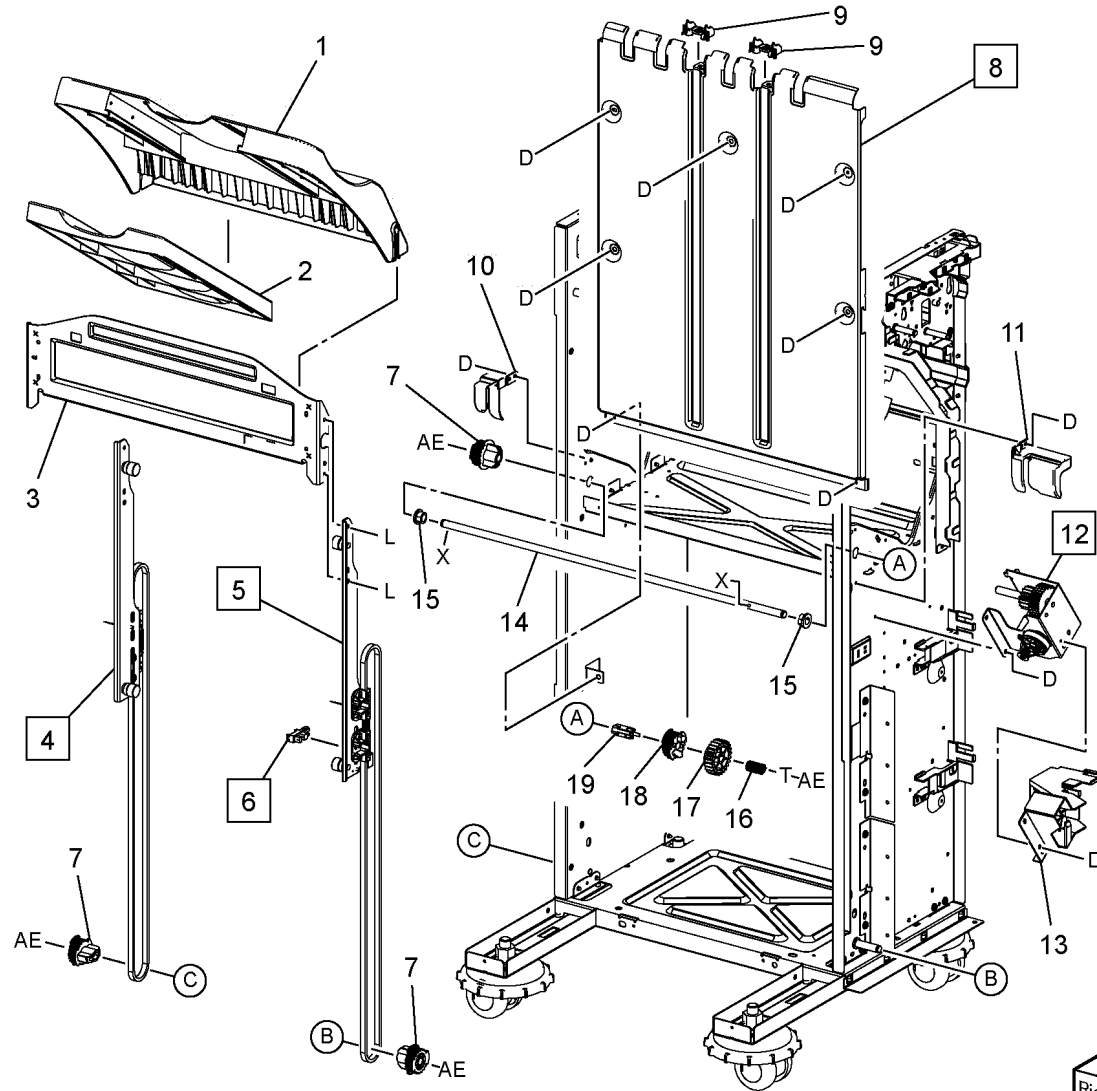
Item	Part	Description
1	948K20552	Top Cover Assembly (REP 9.1)
2	—	LH Top Cover (P/O PL 71.9 Item 1)
3	—	Front Top Cover (P/O PL 71.9 Item 1)
4	—	Rear Top Cover (P/O PL 71.9 Item 1)
5	—	RH Top Cover (P/O PL 71.9 Item 1)
6	—	Eject Top Lever (P/O PL 71.9 Item 1)
7	—	Top Lever Shaft (P/O PL 71.9 Item 1)
8	948K20560	Front Cover Assembly
9	—	Front Inner Cover (P/O PL 71.9 Item 8)
10	—	Front Lower Cover (P/O PL 71.9 Item 8)
11	—	Door Cover Assembly (P/O PL 71.9 Item 8)
12	822E24391	Strip C1
13	822E24401	Strip C2
14	—	Label (Caution)
15	—	Rear Upper Cover
16	—	Cap Screw
17	—	Rear Lower Cover
18	—	Connector Cover
19	—	RH Cover
20	—	Foot Cover
21	815K22210	VCCI Plate Assembly
22	—	Docking Screw



0571009A

# PL 71.10 Stacker Assembly

Item	Part	Description
1	050E33870	Stacker Tray
2	050E27481	Extension Tray
3	—	Carriage Tray Assembly
4	041K96720	Front Clamp Belt Carriage Assembly (REP 10.1)
5	041K96740	Rear Clamp Belt Carriage Assembly (REP 10.1)
6	930W00122	Stacker Home Sensor
7	—	Pulley (T18)
8	—	Tray Guide (REP 10.2)
9	032E51562	Roller Guide
10	—	Front Pulley Cover
11	—	Rear Pulley Cover
12	127K77832	Stacker Motor Assembly (REP 10.3)
13	—	Lower Harness Guide
14	—	Shaft
15	—	Bearing
16	—	Spring
17	—	Gear
18	—	Pulley
19	—	Stopper

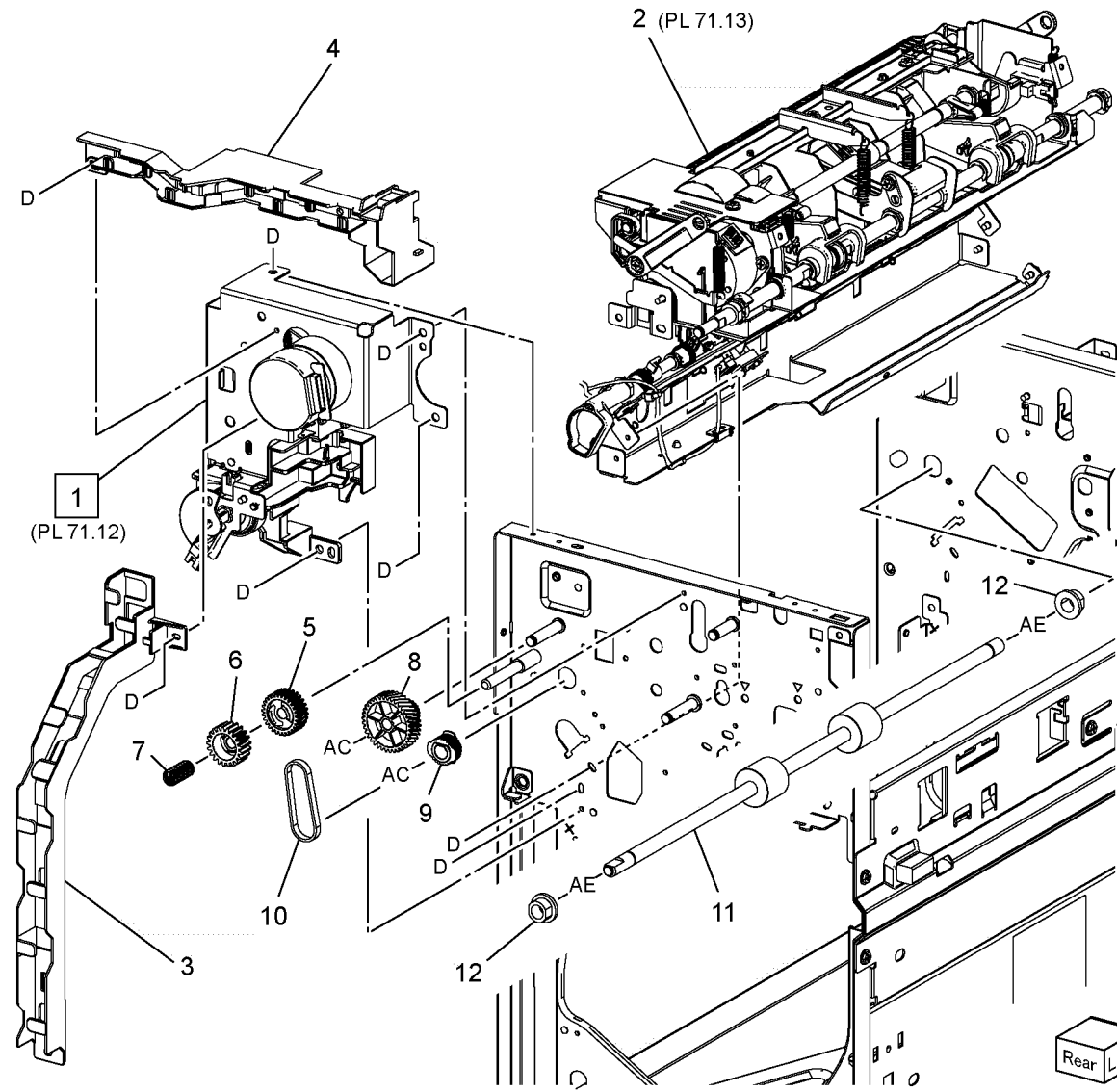


0571010A



### PL 71.11 Eject Assembly

Item	Part	Description
1	049K44380	Eject Motor Drive Bracket Assembly (REF: <a href="#">PL 71.12</a> ) ( <a href="#">REP 11.1</a> )
2	054K62970	Eject Assembly (REF: <a href="#">PL 71.13</a> )
3	—	Upper Harness Guide
4	—	Interlock Harness Guide
5	807E60770	Gear (Z28)
6	807E60780	Gear (Z21)
7	899E21521	Spring
8	807E60480	Gear (Z37/T22)
9	020E53610	Pulley (T25)
10	423W05455	Belt
11	859K13090	Eject Roller Assembly
12	—	Bearing

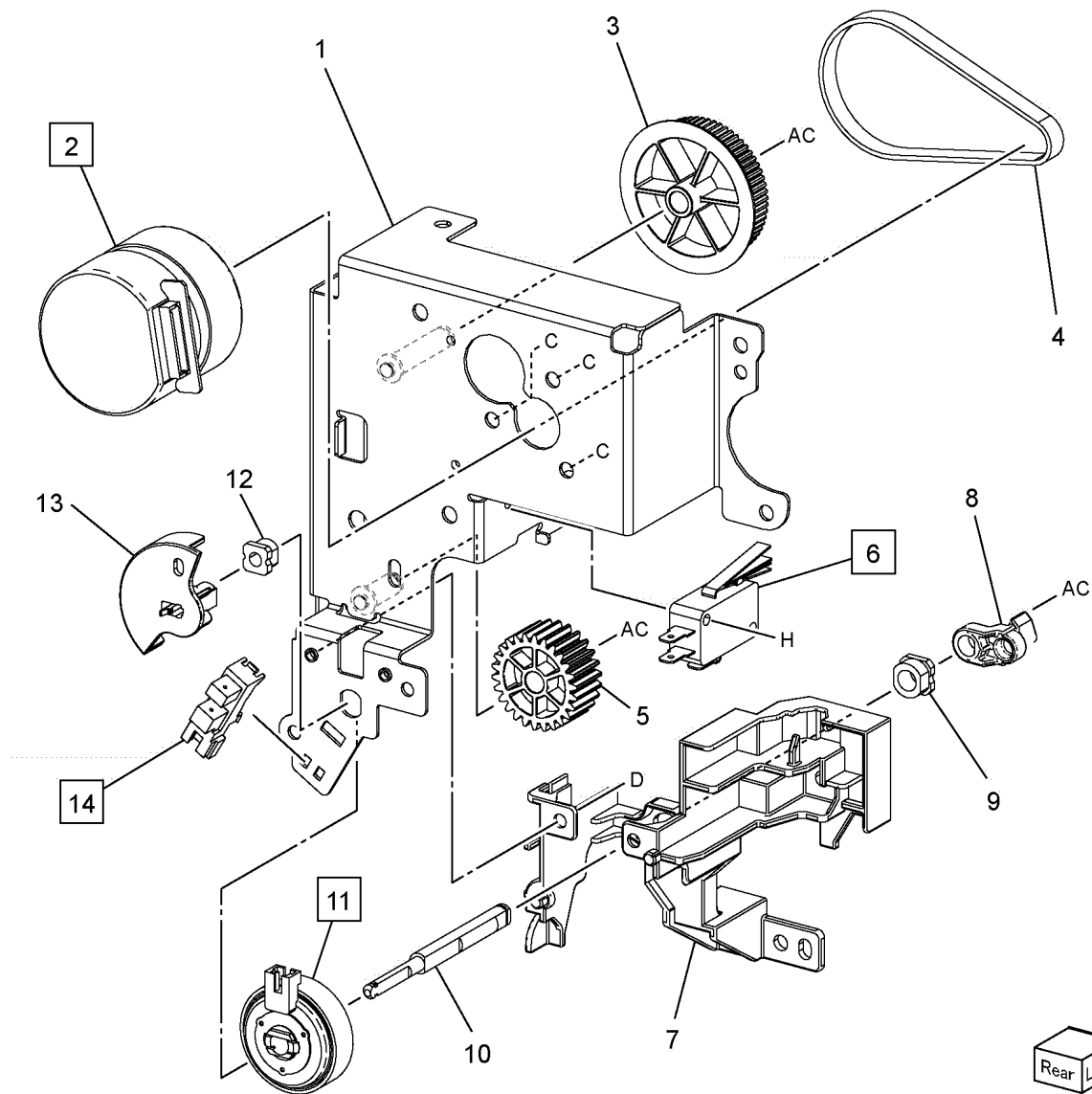


0571011A



## PL 71.12 Eject Motor Drive Assembly

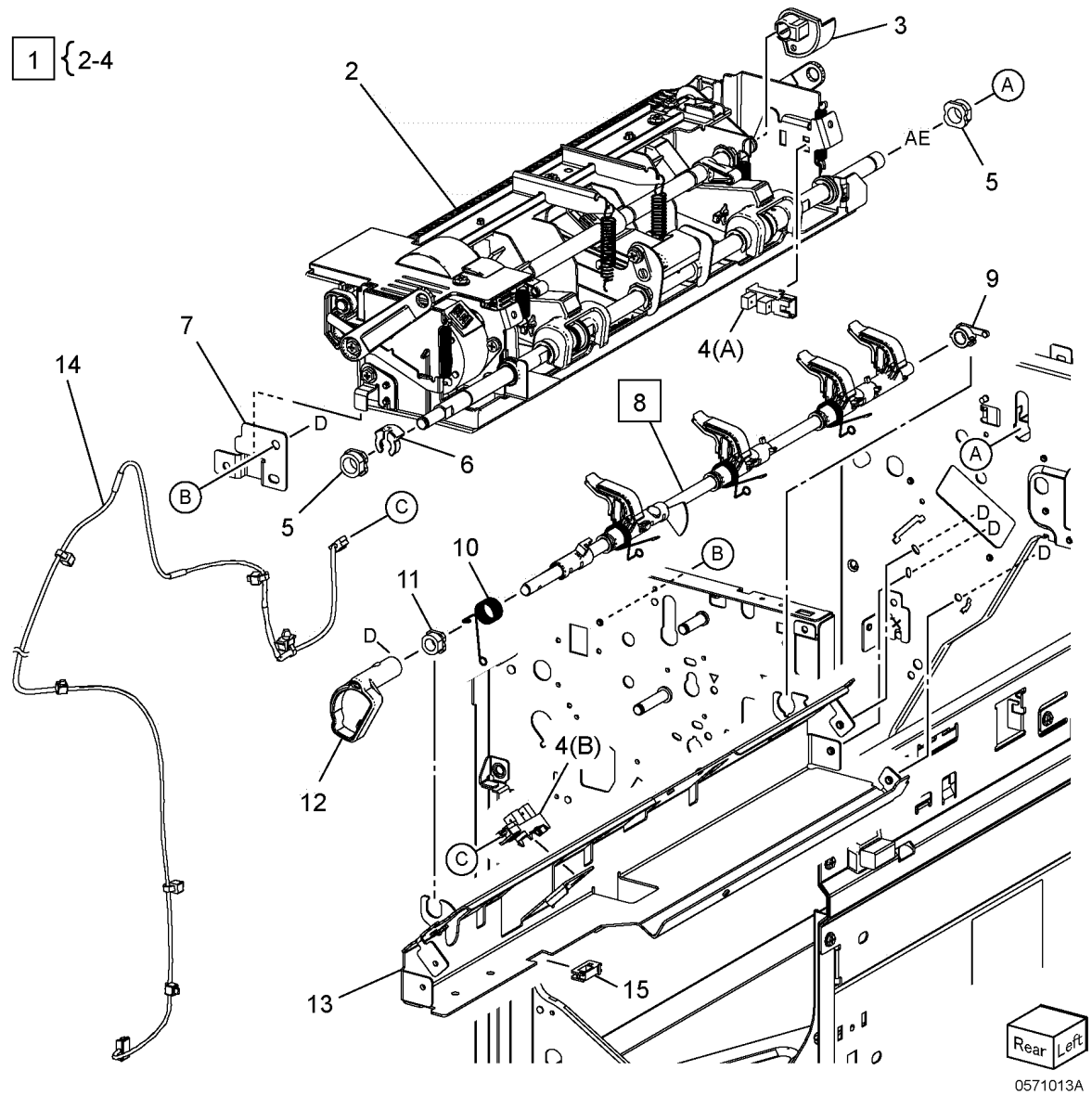
Item	Part	Description
1	—	Eject Drive Bracket Assembly
2	127K76510	Eject Motor Assembly
3	—	Pulley (T63/Z24)
4	—	Belt
5	—	Gear (Z26)
6	110E15060	Eject Cover Switch
7	—	Clutch Cover
8	—	Clamp Set Link
9	413W14660	Bearing
10	—	Link Shaft
11	005K84450	Set Clamp Clutch Assembly
12	—	Bearing
13	120E39352	Set Clamp Home Actuator
14	930W00122	Set Clamp Home Sensor



0571012A

### PL 71.13 Eject Chute Assembly

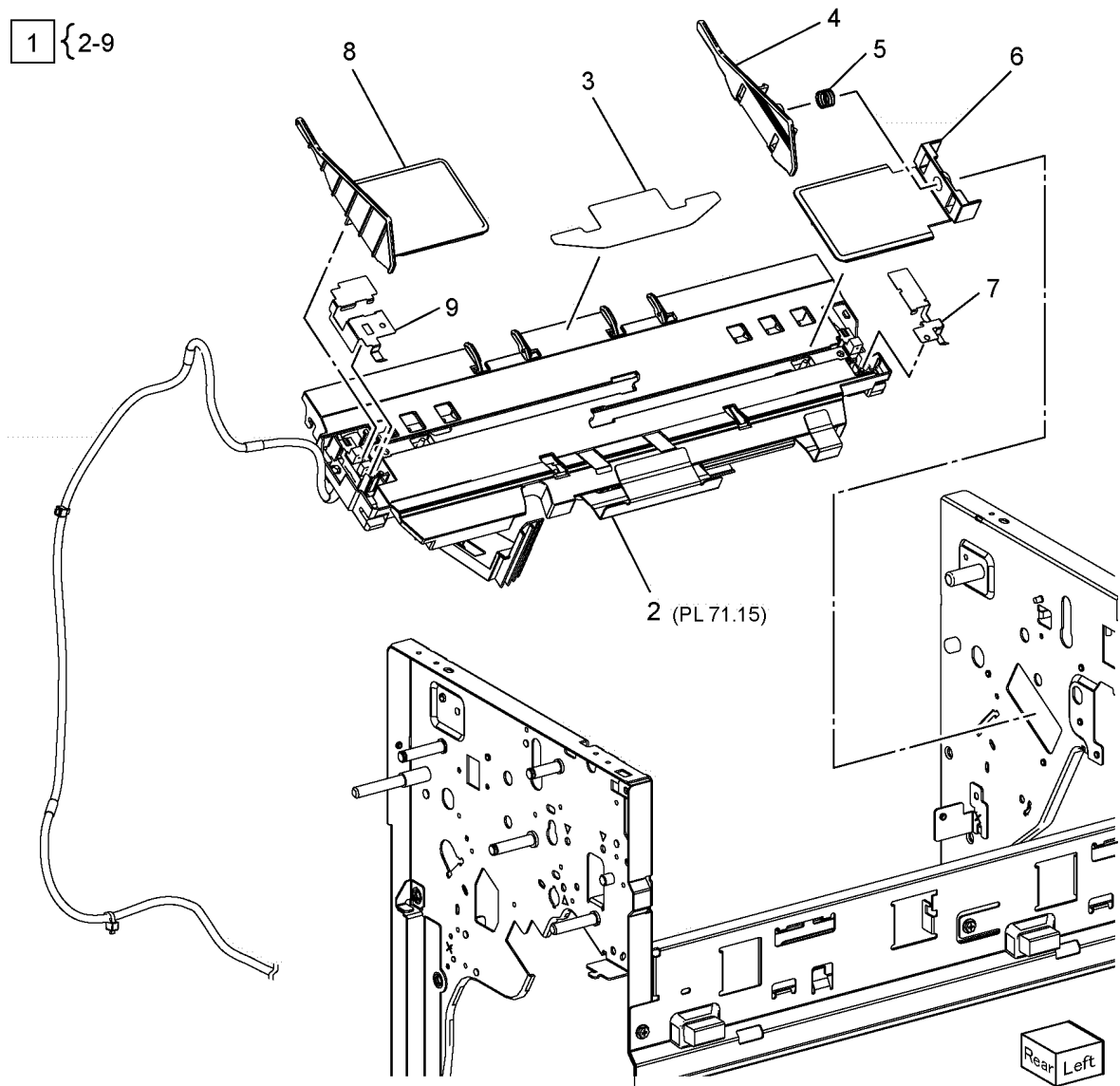
Item	Part	Description
1	—	Eject Chute Assembly (REP 13.1)
2	—	Eject Clamp Assembly (P/O PL 71.13 Item 1)
3	—	Sub Paddle Actuator (P/O PL 71.13 Item 1)
4	930W00122	Eject Cam Home Sensor (A)/ Stacker Height Sensor (B)
5	—	Bearing
6	—	KL-Clip (6)
7	—	Interlock Guide
8	006K35810	Set Clamp Main Shaft Assembly (REP 13.2)
9	013E40770	TA Bearing
10	006K35201	Set Clamp Spring Shaft
11	413W14660	Bearing
12	—	Set Clamp Holder
13	—	Set Clamp Bracket
14	—	Wire Harness (Sensor 2)
15	—	Bush



### PL 71.14 Compile Tray Assembly (1 of 2)

Item	Part	Description
1	050K78310	Compile Tray Assembly (REP 14.1)
2	—	Compile Guide Tray (REF: PL 71.15, PL 71.15 Item 1)
3	—	Lower Eject Guide (P/O PL 71.14 Item 1)
4	—	Front Tamper Guide (P/O PL 71.14 Item 1)
5	—	Spring (P/O PL 71.14 Item 1)
6	—	Front Tamper Base (P/O PL 71.14 Item 1)
7	—	Front Earth Plate (P/O PL 71.14 Item 1)
8	—	Rear Tamper Base (P/O PL 71.14 Item 1)
9	—	Rear Earth Plate (P/O PL 71.14 Item 1)

1 { 2-9

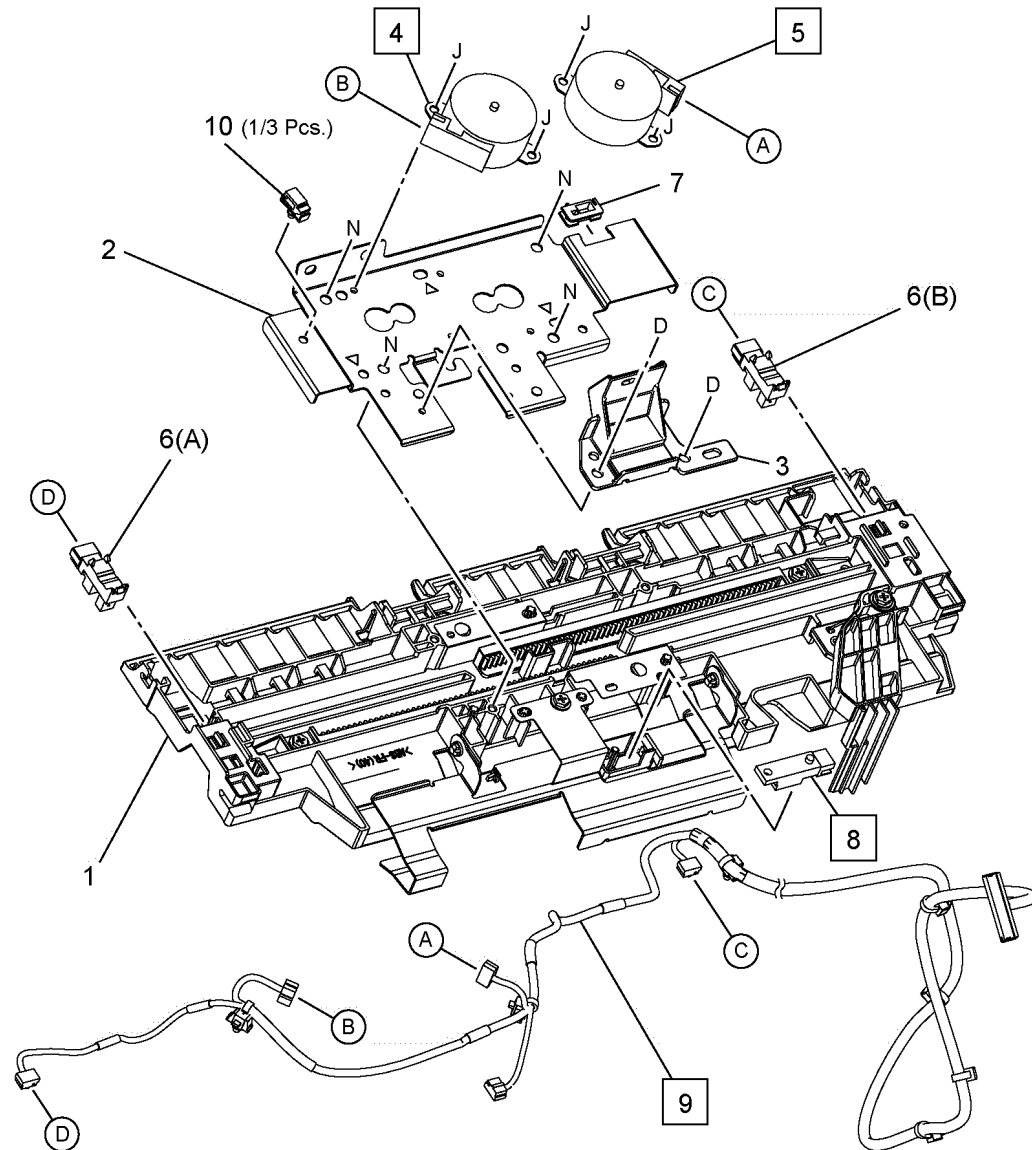


Rear Left

0571014A

### PL 71.15 Compile Tray Assembly (2 of 2)

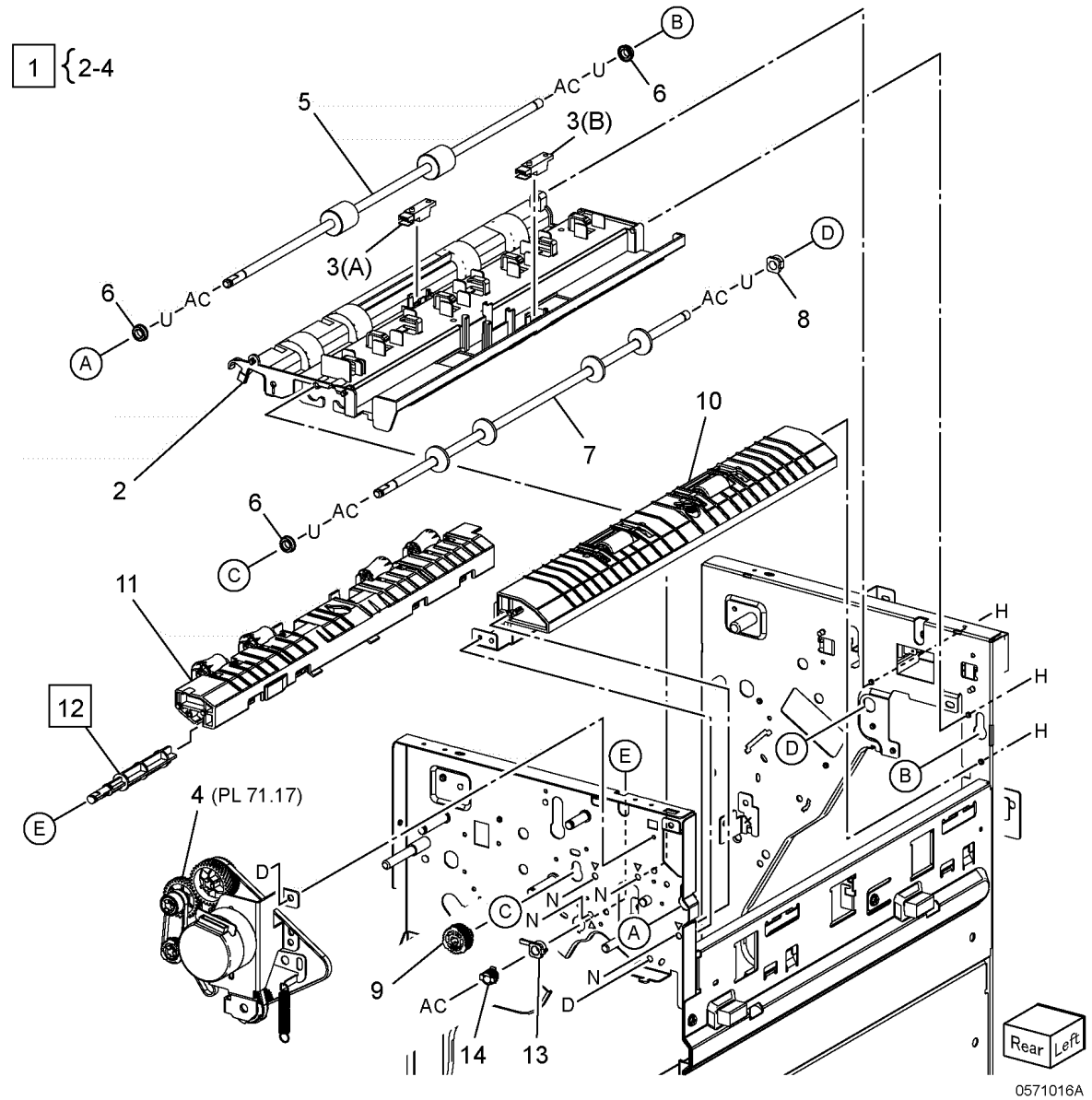
Item	Part	Description
1	—	Compile Tray
2	—	Tamper Motor Bracket
3	—	Compile Guide
4	—	Rear Tamper Motor Assembly
5	—	Front Tamper Motor Assembly
6	930W00122	Front Tamper Home Sensor (A)/ Rear Tamper Home Sensor (B)
7	—	Bush
8	130E21140	Compile Tray No Paper Sensor
9	—	Wire Harness (Compile)
10	—	Clamp



0571015A

# PL 71.16 Transport Assembly

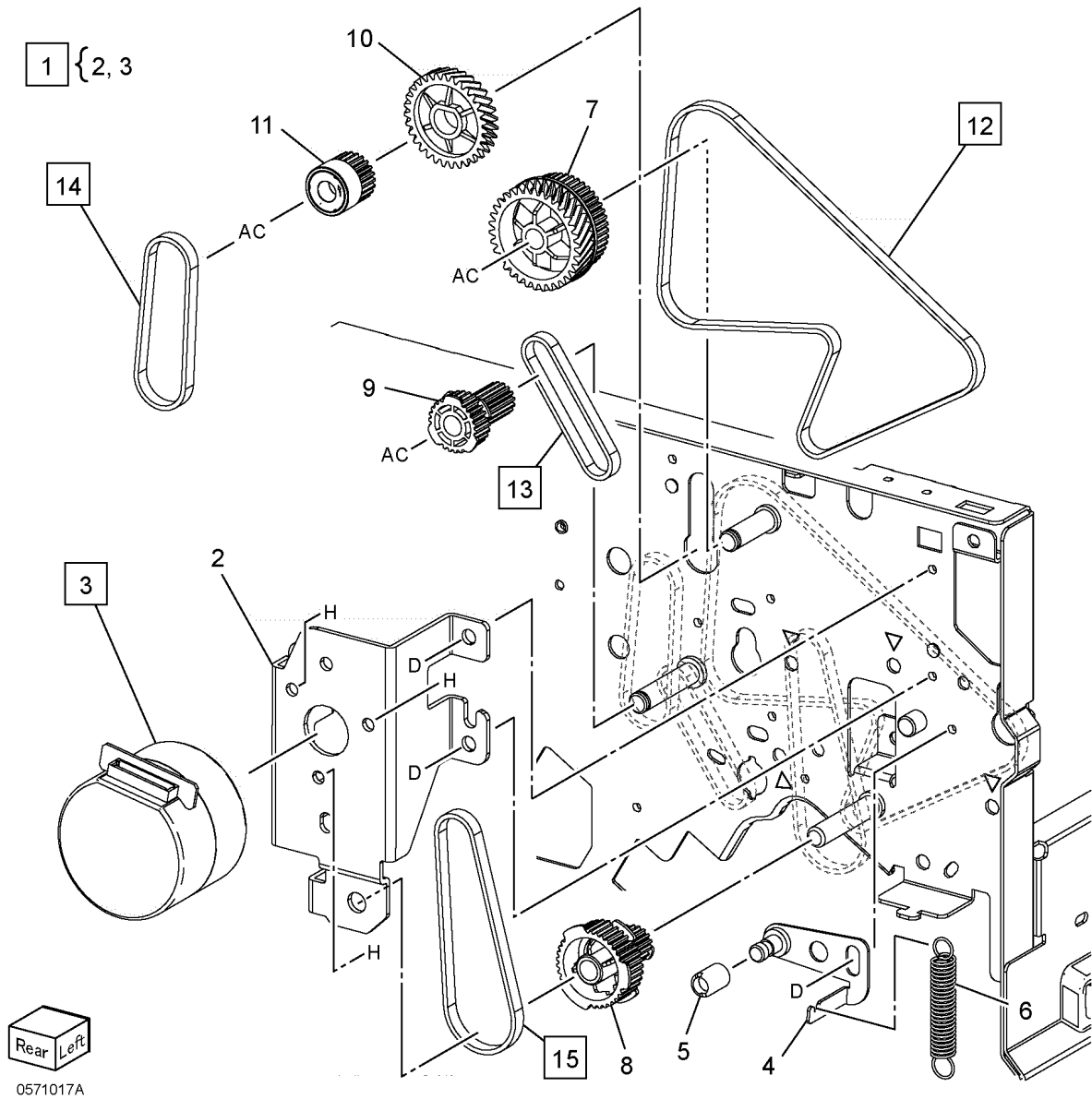
Item	Part	Description
1	054K59750	Upper Chute Assembly (REP 16.1)
2	—	Upper Entrance Chute Assembly (P/O PL 71.16 Item 1)
3	130E21140	Compile Exit Sensor (A)/ Finisher Entrance Sensor (B) (REP 16.2)
4	859K23380	Transport Main Drive Assembly (REF: PL 71.17)
5	859K13051	Entrance Roll Assembly
6	—	Bearing
7	859K13063	Exit Roll Assembly
8	413W14660	Bearing
9	—	Pulley (T30)
10	054K59760	Lower Entrance Chute Assembly
11	054K59770	Lower Exit Chute Assembly
12	806E51680	Main Paddle Shaft (REP 16.3)
13	013E40770	TA Bearing
14	020E49970	Main Idler Pulley



0571016A

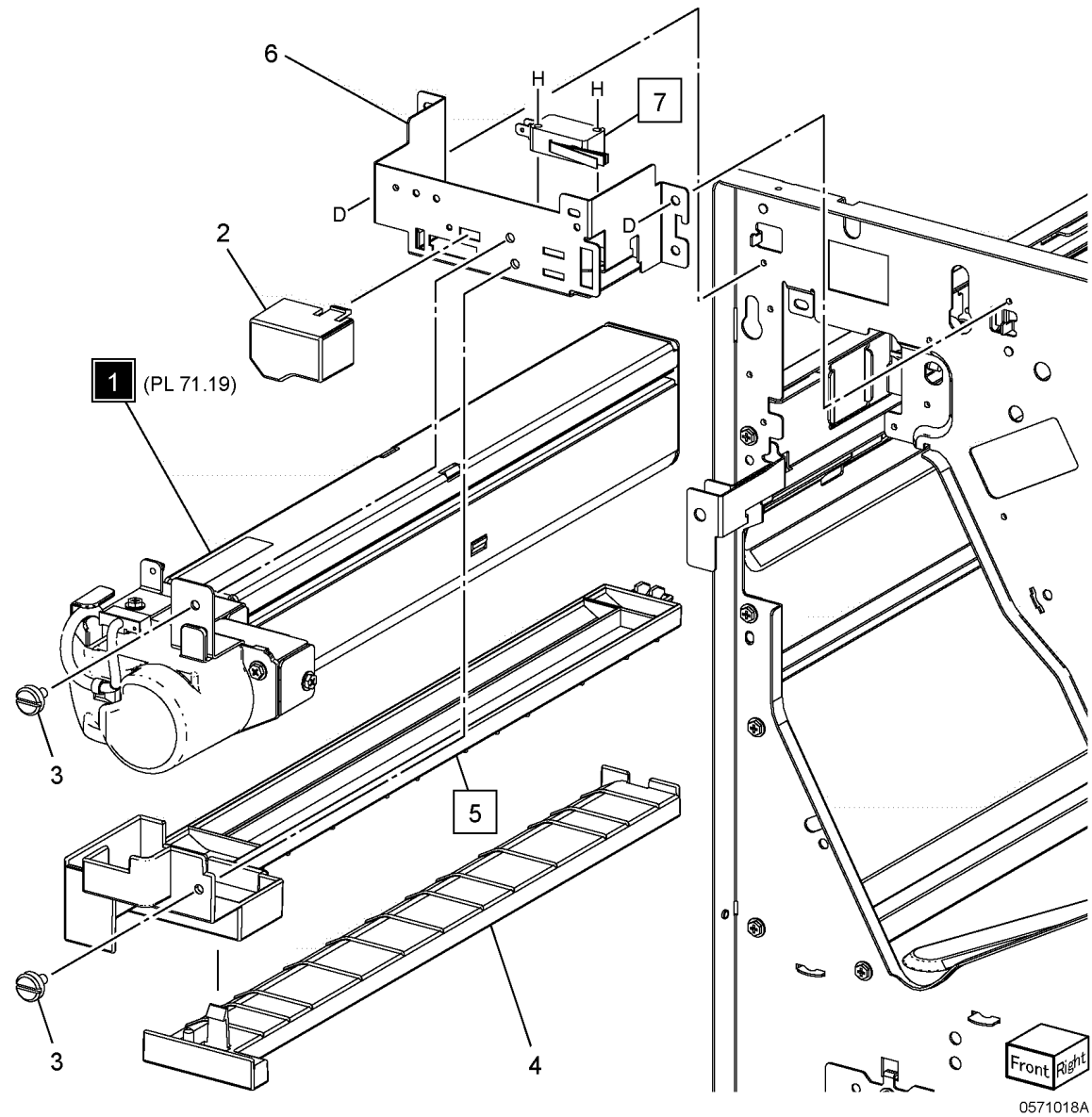
### PL 71.17 Finisher Transport Motor Assembly

Item	Part	Description
1	—	Finisher Transport Motor Assembly (REP 17.1)
2	—	Transport Bracket (P/O PL 71.17 Item 1)
3	—	Finisher Transport Motor (P/O PL 71.17 Item 1)
4	049K36910	Tension Bracket Assembly
5	—	Pulley
6	—	Tension Spring
7	—	Pulley Gear (Z34/T45)
8	—	Pulley (T37/T17)
9	—	Pulley (T26/T16)
10	—	Gear (Z31)
11	020K19240	One Way Pulley Assembly (T23)
12	—	Transport Belt (REP 17.2)
13	—	Belt (REP 17.2)
14	—	Belt (REP 17.2)
15	—	Belt (REP 17.2)



## PL 71.18 Folder Assembly (1 of 2)

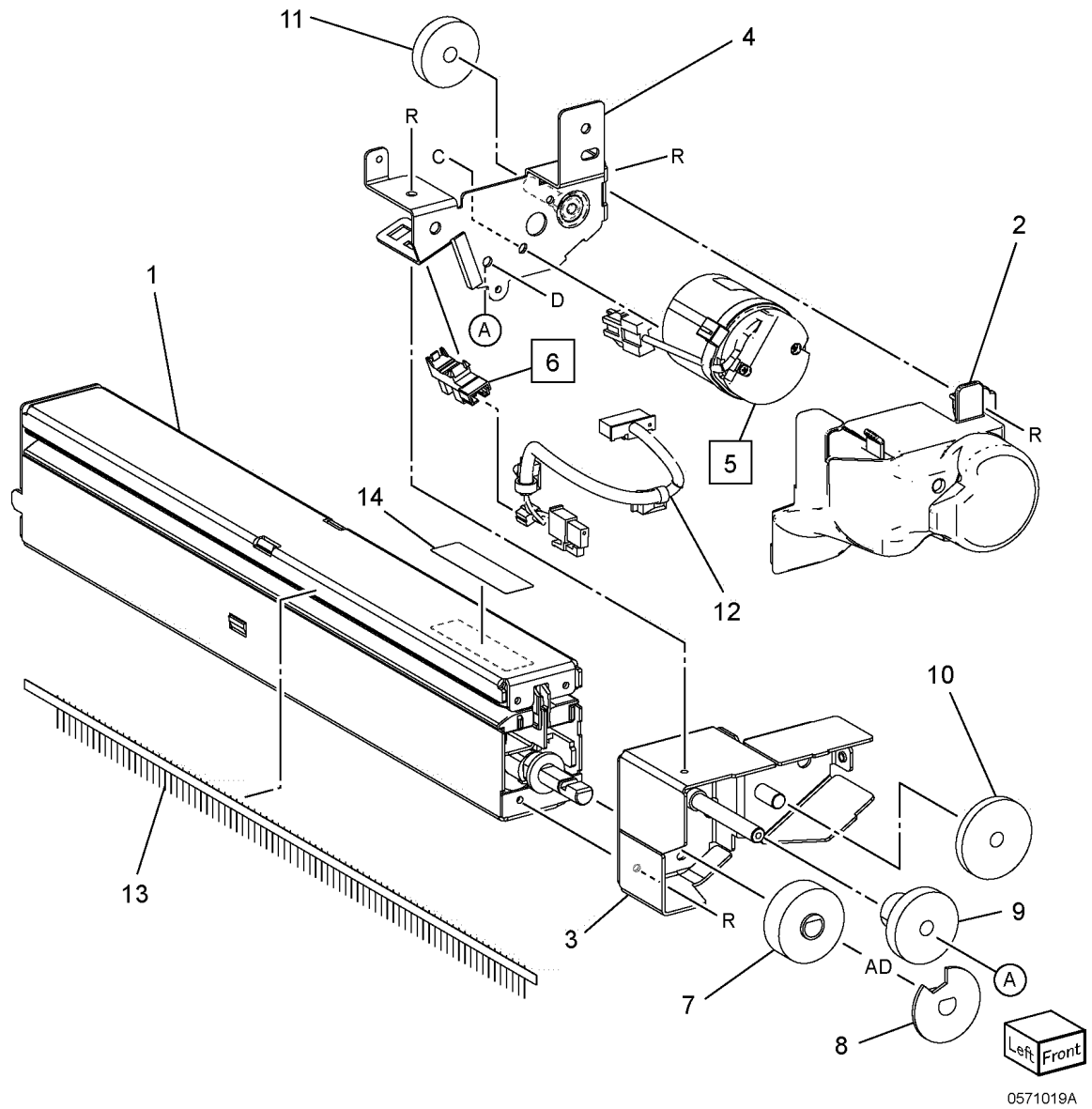
Item	Part	Description
1	695K34130	Folder Assembly (Option) (REF: PL 71.19) (REP 18.1, ADJ 18.1)
2	—	Connector Cover
3	826E07210	Docking Screw
4	054E34691	Lower Fold Dummy Chute
5	054E34702	Upper Fold Dummy Chute (REP 18.2)
6	—	Interlock Bracket
7	110E15060	Finisher Front Door Switch





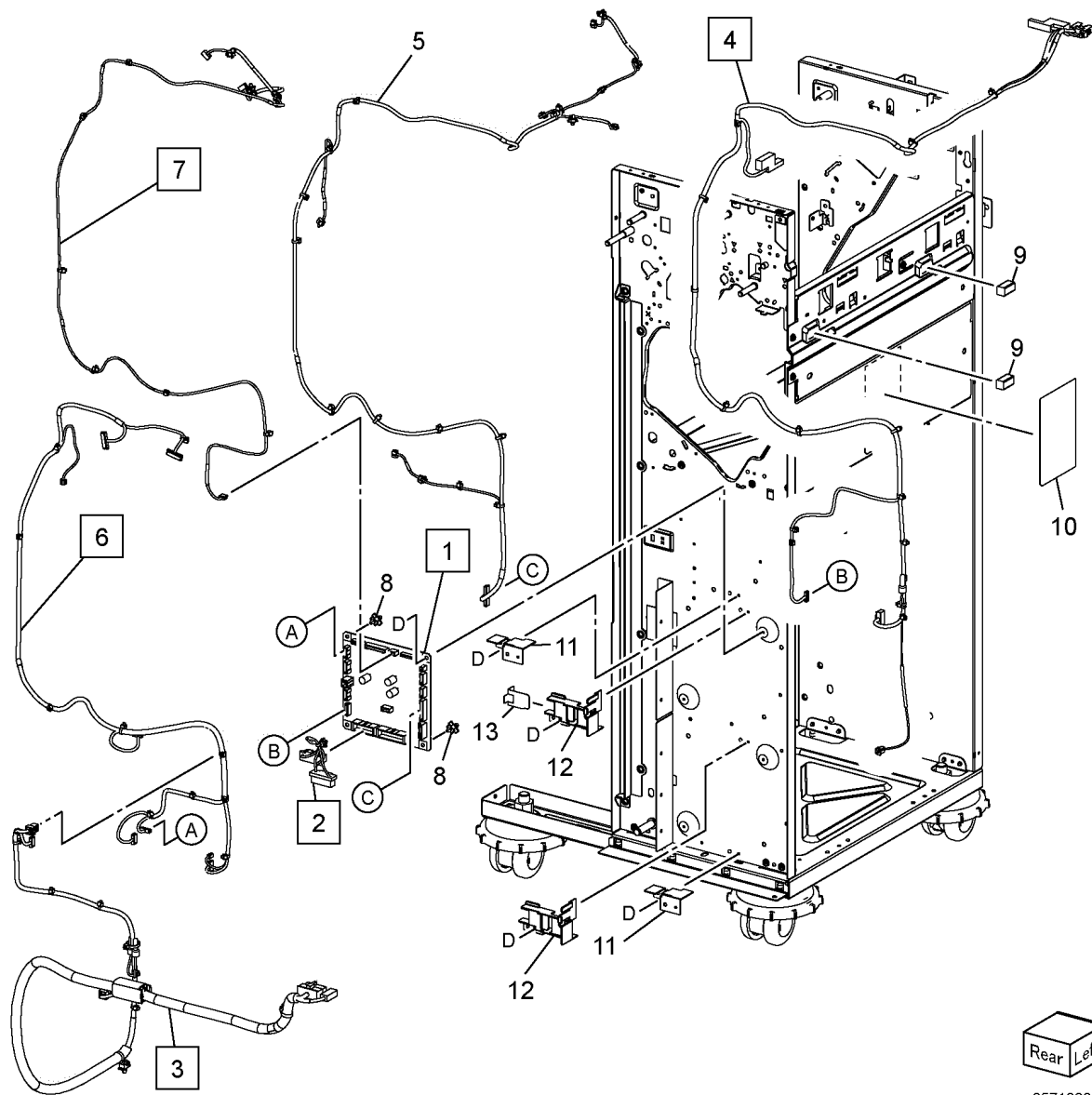
### PL 71.19 Folder Assembly (2 of 2)

Item	Part	Description
1	—	Folder Bracket Assembly
2	—	Front Cover
3	—	Front Frame Assembly
4	—	Folder Knife Motor Bracket Assembly
5	—	Folder Knife Motor Assembly
6	930W00122	Folder Knife Home Sensor
7	—	Gear (28)
8	—	Encoder
9	—	Gear (12/27)
10	—	Gear (12/30)
11	—	Gear (12/51)
12	—	Wire Harness (Folder)
13	—	Eliminator
14	—	Label (Traceability)



### PL 71.20 Finisher-B3 Electrical

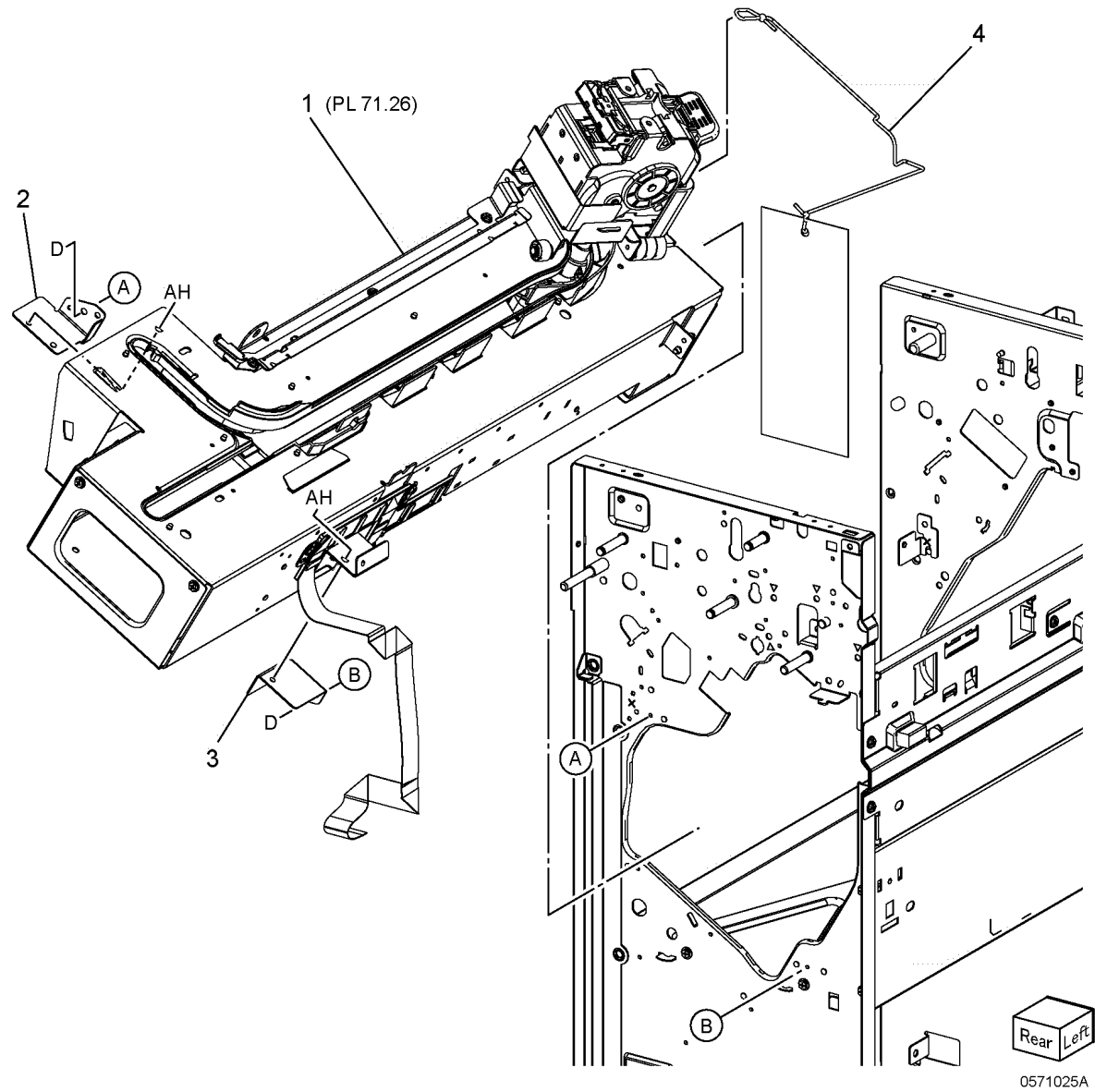
Item	Part	Description
1	960K92066	Finisher Main PWB
2	—	Wire Harness (Booklet Chute)
3	952K42940	Wire Harness (Interface)
4	—	Wire Harness (Interlock)
5	—	Wire Harness (Sensor 1)
6	—	Wire Harness (Drive)
7	—	Wire Harness (Eject)
8	—	PWB Support
9	—	Shield Gasket
10	—	Label (Caution)
11	—	Rear Lower Bracket
12	—	Flat Cable Harness Guide
13	—	Flat Cable Guide



0571020A

## PL 71.25 Stapler Assembly

Item	Part	Description
1	—	Stapler Assembly (REF: <a href="#">PL 71.26</a> )
2	—	Staple Connect Bracket
3	—	Lower Staple Connect Bracket
4	—	Front Side Plate Assembly

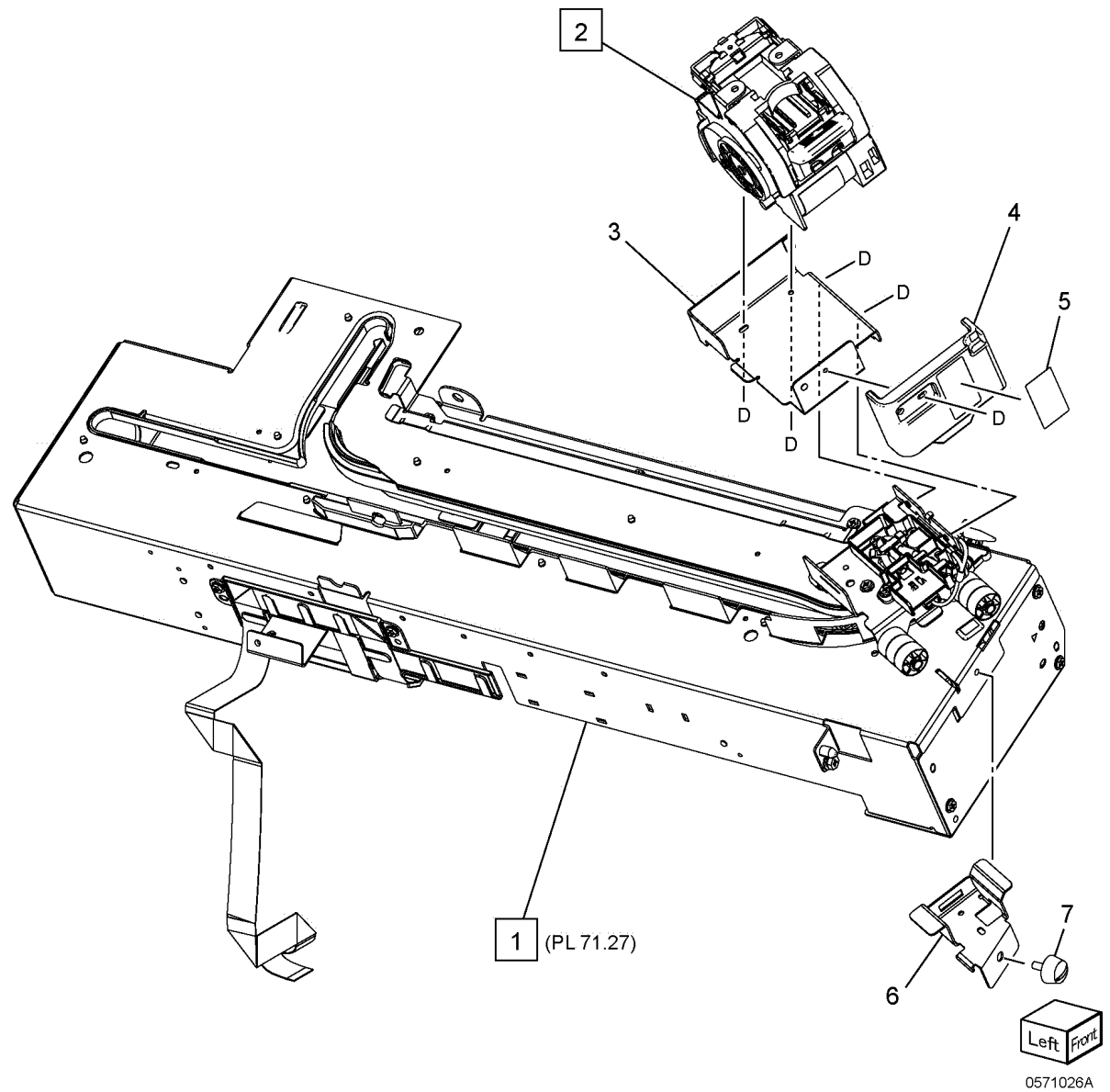


## PL 71.26 Staple Holder Assembly

Item	Part	Description
1	—	Rail Assembly (REF: <a href="#">PL 71.27</a> ) ( <a href="#">REP 22.1</a> )
2	029K93260	Stapler Assembly ( <a href="#">REP 22.2</a> )
3	—	Holder Stapler Bracket
4	—	Stapler Connector Cover
5	—	Label (R1 XE)
6	—	Staple Stopper Bracket
7	026K81200	Thumb Screw

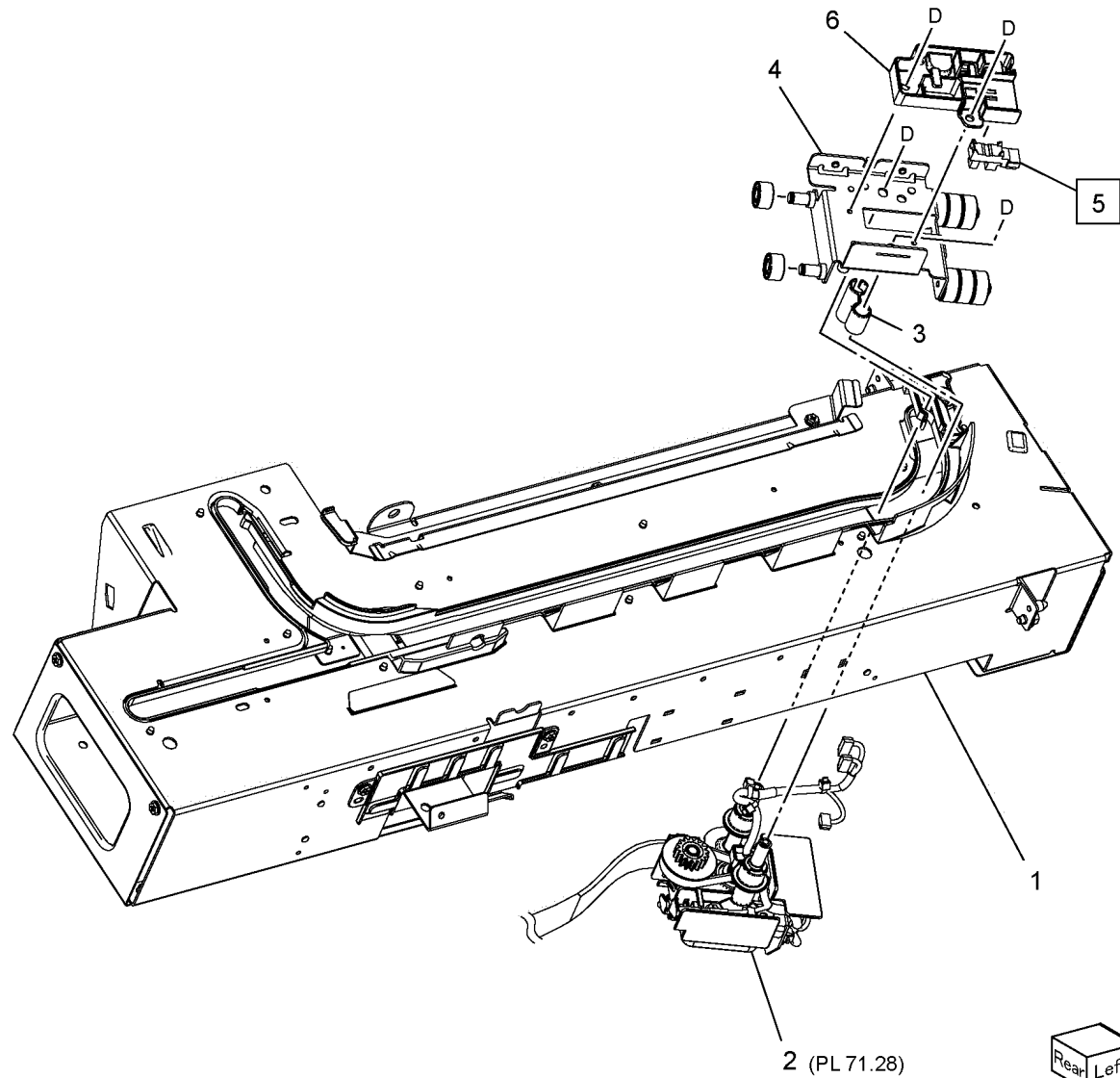
**Note:** 1. Staple cartridge Part number is 008R12964.

**Note:** 2. Staple refill Part number is 008R12941



## PL 71.27 Stapler Rail Assembly

Item	Part	Description
1	—	Rail Base Plate Assembly
2	049K44430	Staple Drive Bracket Assembly (Stapler) (REF: <a href="#">PL 71.28</a> )
3	—	Stud Harness Guide
4	—	Staple Carrier Bracket Assembly (Stapler)
5	930W00122	Stapler Move Position Sensor (Stapler)
6	—	Upper Staple Harness Guide



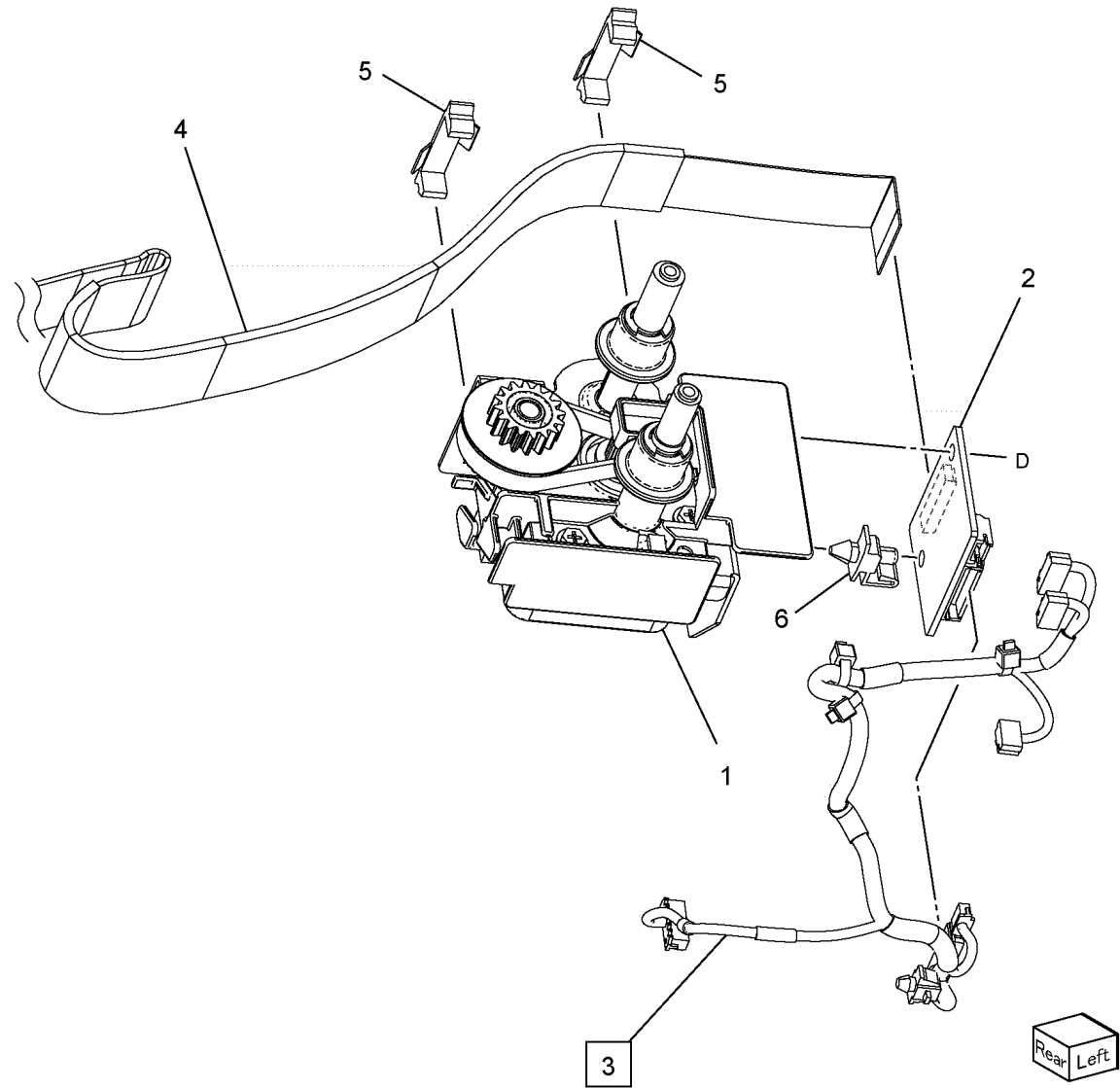
2 (PL 71.28)



0571027A

## PL 71.28 Stapler Drive Assembly

Item	Part	Description
1	—	Staple Move Motor Assembly
2	960K92140	Staple FFC PWB
3	952K42970	Wire Harness (Stapler)
4	117E42800	Flat Cable (Stapler)
5	019E66920	Press Clamp
6	—	PWB Support



0571028A





## Common Hardware

Item	Part	Description
A	—	Sems Screw (M3x8)
B	—	Screw (BLUE) (M3x4)
C	—	Screw (M3x4)
D	—	Screw (M3x6)
E	—	Round Screw (M3x6)
F	—	Screw (M3x8)
G	—	Screw (M3x12)
H	—	Screw (M3x14)
J	—	Pan Head Screw (M3x4)
K	—	Pan Head Screw (M3x6)
L	—	Screw (M4x5)
M	—	Screw (M4x8)
N	—	Tapping Screw (M3x8)
P	—	Screw (M3x6)
Q	—	Round Screw (M3x7)
R	—	Screw (M3x8)
S	—	Washer (8)
T	—	Washer (8)
U	—	Nylon Washer (6) (t1)
V	—	Nylon Washer (6) (t1.5)
W	—	Nylon Washer (8) (t1.5)
X	—	Dowel Pin (3x16)
Y	—	Spring Pin (2x10)
Z	—	Spring Pin (2.5x14)
AA	—	Spring Pin (2.5x16)
AB	—	E-Clip (3)
AC	—	E-Clip (4)
AD	—	E-Clip (5)
AE	—	E-Clip (6)
AF	—	KL-Clip
AG	—	E-Clip (10)

---

# 6 General Procedures

Machine Dimensions ..... 135  
Electrical Specification ..... 136  
Office Finisher Overview ..... 136  
Product Codes ..... 137  
Change Tags ..... 138  
DC330 Input Component Check List ..... 138  
DC330 Output Component Check List ..... 143  
DC131 List ..... 152

## Machine Dimensions

### 1. Device Size

- Base Finisher, Type S Base + Hole Punch Finisher (Figure 1)
  - Width: 1046 mm (W) x 653 mm (D) x 1041 mm (H)

\*: Up to the tip when the Extension Tray is stored

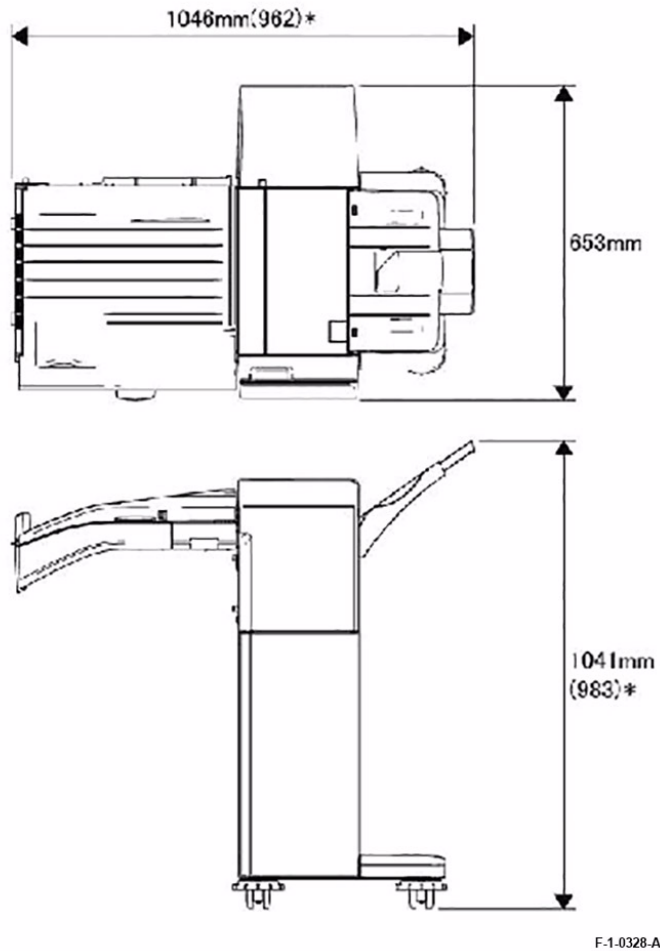


Figure 1 Device Size , Base Finisher

- Booklet Finisher, Booklet + Hole Punch Finisher (Figure 2)
  - Width: 1046 mm (W) x 673 mm (D) x 1079 mm (H)

\*: Up to the tip when the Extension Tray is stored

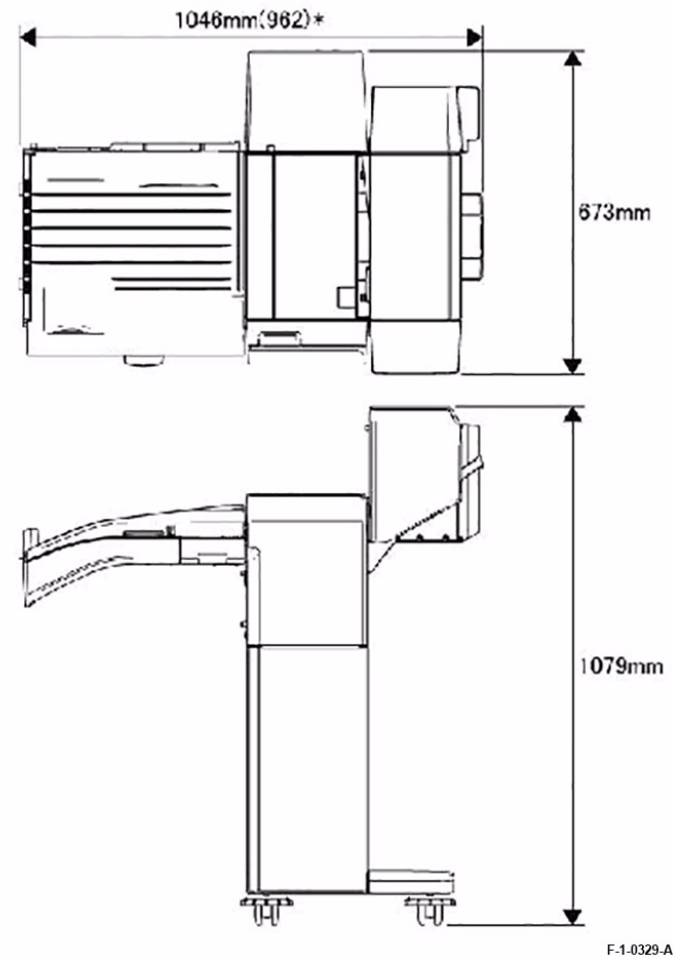


Figure 2 Device Size, Booklet Finisher

### 2. Weight

- Office Finisher: 25 kg or lighter
- Hole Punch option: 2 kg or lighter
- Booklet option: 10 kg or lighter

### 3. Installation space (IOT (Main Unit) + Office Finisher)

- Refer to [Chapter 6 General] in the Main Unit's manual for the installation space.

## Electrical Specification

1. Supplied from the Main Unit IOT.
2. Voltage: 24 VDC
3. Current: 1.4 A or lower (70 ppm 24.5 V, converted electric power 34.3 Wdc)
4. Electrical interface between Finisher and IOT
  - Length of Interface Cable between Finisher and IOT: 1.5 m or shorter

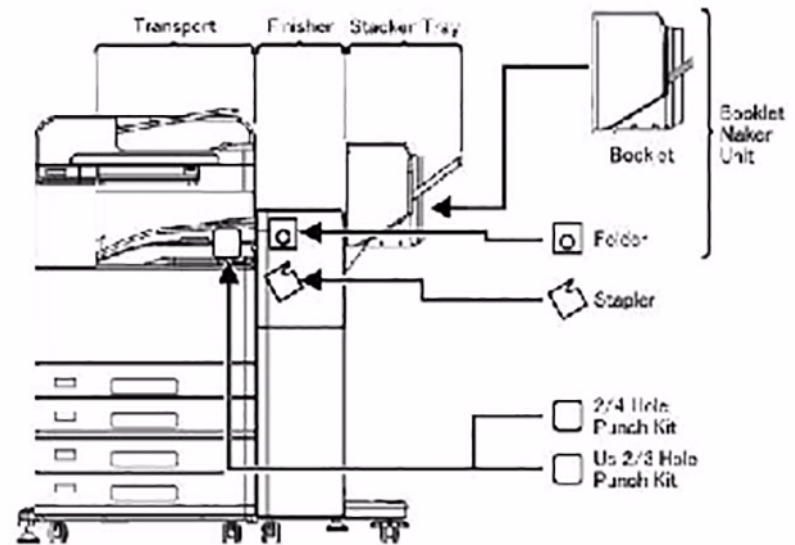
## Office Finisher Overview

1. Office Finisher Unit
  - This Finisher is available in the following 1 model configurations.
    - Office Finisher (Stapler configuration)

This Finisher consists of the Transport section that is attached to the IOT Center Tray, the Finisher section that is attached to the right side of the IOT, and the Stacker section with a Stacker Tray that can output stapled paper.
2. Option
  - a. Booklet Unit
 

Consists of a Fold Line Unit that can apply a fold line to the output paper (by folding and unfolding it) and a Center-binding Unit that is to be installed on top of the Finisher.
  - b. Punch Unit
 

2 models are available: 2/4-hole Auto Change and US 2/3-hole Auto Change.



F-1-0330-A

Figure 1 Office Finisher: Unit Options

3. Application models
  - This Finisher can be connected to a C Path Type IOT that has 2 exit areas and a Center Regi output.

**Note:** The IOT also has to support software download for the Finisher via the IOT.

**Note:** This Finisher does not support the MSI automatic paper size detection.

#### 4. Module configuration

This Finisher is made up of the following modules.

- Finisher Unit (Type S)
  - Transport section, Finisher section, Stacker Tray, Stapler
- Booklet Unit
  - Fold Line Unit, Center-binding Unit
- Hole Punch Unit
  - Hole Punch Unit, Scrap Container

The configuration of Hole Punch Unit differs depending on market.

#### 5. Feature selection

- Selection of Output Destination (Stacker Tray, Center Tray)
- Selection of Staple (when outputting to Stacker Tray)
- Selection of Hole Punch (when outputting to Stacker Tray)
- Selection of Center-binding/Fold Line (when outputting to Stacker Tray)
- Offset Output (when outputting to Stacker Tray)

The above selections are possible by command specifications from the IOT.

## Product Codes

Table 1 Product Codes

Item	Code
Office Finisher	EZK

## 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.

## 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 the Ssection 6, General Procedures, of the IOT Service Manual.

Chain-Link	Component Name	Description	Time Out	Simultaneous Execution Prohibited Item Chain-Link	Cyclic Operation	Connector Level (On Level)	Meaning	Remarks	Parts Name
012-101	Finisher Front Door Interlock Switch	Detects the Finisher Front Door (Interlock) open/close state.			X	High	is open	Eject Cover Switch Open also results in open detection.	System
012-110	IOT Exit Sensor (Hot Line)	Detects for 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.			X	Low	Paper detected		System
012-111	HTU Entrance Sensor	Detects for presence of paper on H-Tra Entrance Sensor.			X	Low	Paper detected		System
012-112	Finisher Entrance Sensor	Detects for presence of paper on Finisher Entrance Sensor.			X	Low	Paper detected		System
012-113	Compile Exit Sensor	Detects for presence of paper on Compile Exit Sensor.			X	Low	Paper detected		System
012-114	HTU Open Sensor	Detects the HTU Cover open/close state.			X	High	Closed		System
012-120	Compile No Paper Sensor	Detects for presence of paper on Compile No Paper Sensor.			X	Low	Paper detected		System
012-121	Eject Cover Switch	Detects the Eject Cover (Interlock) open/ close state.				High	is open		System
012-130	Front Tamper Home Sensor	Detects the Home Position of Front Tamper.			X	High	Home Position		Tamper
012-131	Rear Tamper Home Sensor	Detects the Home Position of Rear Tamper.			X	High	Home Position		Tamper
012-140	Staple Move Position Sensor	Detects the position of Stapler.			X	High	Home Position		Stapler
012-141	Low Staple Sensor	Detects the remaining staples in the Stapler.			X	High	Out of Staples		Stapler



Chain-Link	Component Name	Description	Time Out	Simultaneous Execution Prohibited Item Chain-Link	Cyclic Operation	Connector Level (On Level)	Meaning	Remarks	Parts Name
012-142	Self Priming Sensor	Detects the staples feed out state of the Stapler.			X	Low	Ready		Stapler
012-143	Stapler Home Sensor	Detects the Home Position of Stapler Head.			X	Low	Home Position		Stapler
012-160	Eject Cam Home Sensor	Detects the Home Position of Eject Cam.			X	High	Home Position		Ejector
012-161	Set Clamp Home Sensor	Detects the Home Position of Set Clamp.			X	High	Home Position		Ejector
012-170	Stacker Home Sensor	Detects whether the Stacker Tray is at the height position which indicates No Paper.			X	High	Home Position (no paper)		Stacker Tray
012-171	Stack Height Sensor	Detects the top surface of the Stacker Tray.			X	High	Stacker Tray top surface is at reference position		Stacker Tray
012-180	Punch Home Sensor	Detects the Home Position of Hole Punch Slide Cam.			X	High	Home Position		Hole Punch
012-181	Punch Dust Box	Detects the presence of Punch Dust Box.			X	High	Dust Box exists		Hole Punch
012-189	Knife Home Sensor	Detects the Home Position of Knife.			X	High	Home Position		Booklet
012-190	Booklet Front Staple Cam Switch	Detects the Home Position of Front Stapler Cam.			X	Low	Home Position		Booklet
012-191	Booklet Rear Staple Cam Switch	Detects the Home Position of Rear Stapler Cam.			X	Low	Home Position		Booklet

Chain-Link	Component Name	Description	Time Out	Simultaneous Execution Prohibited Item Chain-Link	Cyclic Operation	Connector Level (On Level)	Meaning	Remarks	Parts Name
012-192	Booklet Front Low Staple Switch	Detects the Front Stapler Low Staple state.			X	Low	Out of Staples		Booklet
012-193	Booklet Rear Low Staple Switch	Detects the Rear Stapler Low Staple state.			X	Low	Out of Staples		Booklet
012-194	Booklet Staple Move Home Sensor	Detects the Home Position of Booklet Stapler.			X	High	Home Position		Booklet
012-195	Booklet Staple Move Position Sensor	Booklet Detects the Staple reference position of Booklet Stapler.			X	High	Staple Reference Position		Booklet
012-196	Booklet Cover Open Switch	Detects the Booklet Cover open/close state.			X	Low	is open	Detects the open state when any of Front Door, Eject Cover, or Option Switch is open.	Booklet
012-197	Booklet Front Safety Switch	Detects the Safety Switch of Booklet Front Stapler.			X	Low	is open	Detects the open state when any of Front Door, Eject Cover, Option Switch, or Booklet Cover is open.	Booklet

Chain-Link	Component Name	Description	Time Out	Simultaneous Execution Prohibited Item Chain-Link	Cyclic Operation	Connector Level (On Level)	Meaning	Remarks	Parts Name
012-198	Booklet Rear Safety Switch	Detects the Safety Switch of Booklet Rear Stapler.			X	Low	is open	Detects the open state when any of Front Door, Eject Cover, Option Switch, Booklet Cover, or Booklet Front Safety Switch is open.	Booklet
012-199	Option Switch	When a Booklet is connected, this detects whether it is connected to the Main Unit.			X	Low	is open	Detects the open state when any of Front Door or Eject Cover is open.	Booklet

## DC330 Output 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 the section 6, General Procedures, of the IOT Service Manual.

Chain-Link	Component Name	Description	Time Out	Simultaneous Execution Prohibited Item Chain-Link	Cyclic Operation	Connector Level (On Level)	Meaning	Remarks	Parts Name
012-011	HTU Motor (Forward)	Drives the HTU Motor in forward rotation.	Operates until stop is instructed	-	X	Low - Low	Transport Direction (CCW) Clock Rotate		Transport
012-012	Transport Motor(Forward)	Drives the Transport Motor in forward rotation.	Operates until stop is instructed	-	X	Low - Low	Transport Direction (CCW) Clock Rotate	-	Transport
012-030	Front Tamper Motor (Front/ Low Speed)	Moves the Front Tamper towards the front at low speed.	100 [pulse] output	012-031,012-032, 012-033	X	- - - -	Front Direction Excite ON Clock Strong Current	-	Tamper
012-031	Front Tamper Motor (Front/ High Speed)	Moves the Front Tamper towards the front at high speed.	100 [pulse] output	012-030,012-032, 012-033	X	- - - -	Front Direction Excite ON Clock Strong Current	-	Tamper
012-032	Front Tamper Motor (Rear/ Low Speed)	Moves the Front Tamper towards the rear at low speed.	100 [pulse] output	012-030,012-031, 012-033	X	- - - -	Rear Direction Excite ON Clock Strong Current	-	Tamper
012-033	Front Tamper Motor (Rear/ High Speed)	Moves the Front Tamper towards the rear at high speed.	100 [pulse] output	012-030,012-031, 012-032	X	- - - -	Rear Direction Excite ON Clock Strong Current	-	Tamper
012-035	Rear Tamper Motor (Front/ Low Speed)	Moves the Rear Tamper towards the front at low speed.	100 [pulse] output	012-036,012-037, 012-038	X	- - - -	Front Direction Excite ON Clock Strong Current	-	Tamper
012-036	Rear Tamper Motor (Front/ High Speed)	Moves the Rear Tamper towards the front at high speed.	100 [pulse] output	012-035,012-037, 012-038	X	- - - -	Front Direction Excite ON Clock Strong Current	-	Tamper
012-037	Rear Tamper Motor (Rear/ Low Speed)	Moves the Rear Tamper towards the rear at low speed.	100 [pulse] output	012-035,012-036, 012-038	X	- - - -	Rear Direction Excite ON Clock Strong Current	-	Tamper

Chain-Link	Component Name	Description	Time Out	Simultaneous Execution Prohibited Item Chain-Link	Cyclic Operation	Connector Level (On Level)	Meaning	Remarks	Parts Name
012-038	Rear Tamper Motor (Rear/ High Speed)	Moves the Rear Tamper towards the rear at high speed.	100 [pulse] output	012-035,012-036, 012-037	X	- - - -	Rear Direction Excite ON Clock Strong Current	-	Tamper
012-040	Stapler Move Motor (Forward)	Moves the Stapler towards the front.	NVM [pulse] output	012-041,012-042, 012-043,012-050, 012-051,012-052, 012-053,012-054	X	- - - -	Front Direction Excite ON Clock Strong Current	-	Stapler
012-041	Stapler Move Motor (Reverse)	Moves the Stapler towards the rear.	NVM [pulse] output	012-040,012-042, 012-043,012-050, 012-051,012-052, 012-053,012-054	X	- - - -	Rear Direction Excite ON Clock Strong Current	-	Stapler
012-042	Stapler Motor (Forward)	Drives the Stapler Motor in the stapling direction.	Stops when Stapler Home Sensor is OFF -> ON (Becomes longer when failure occurs)	012-040,012-041, 012-043,012-050, 012-051,012-052, 012-053, 012-054	X	- - -	- PWM -	-	Stapler
012-043	Stapler Motor (Reverse)	Drives the Stapler Motor in reverse direction.	50 ms	012-040,012-041, 012-042,012-050, 012-051,012-052, 012-053, 012-054	X	- - -	- PWM -	Does not operate when Stapler Home Sensor = Home.	Stapler

Chain-Link	Component Name	Description	Time Out	Simultaneous Execution Prohibited Item Chain-Link	Cyclic Operation	Connector Level (On Level)	Meaning	Remarks	Parts Name
012-060	Ejector Cam Home	Performs Eject Cam Home operation.	Eject Cam Home Sensor ON	012-061,012-062, 012-063,012-064, 012-070	X	- - - -	Forward rotation Excite ON Clock PWM 2-phase excitation	-	Ejector
012-061	Sub Paddle (Down/Up)	Drives the Eject Lift Motor in forward rotation, outputs NVM [Sub Paddle Down Amount (Uncoated Group, lighter than 106 gsm, Paper Stack Height < = 1.000 mm)] [pulse] after the 11 [pulse] output from Eject Cam Home Sensor Off until 550.0 [pps] (including the Slow-Down), and then stops. Drives in reverse rotation after NVM [Sub Paddle Down Time (Paper Feed Length < = 216.0 mm, weight < 106 gsm)] - 20 [ms] had passed, outputs NVM [Sub Paddle Up Amount (Non Eject Target Paper)] [pulse] after Eject Cam Home Sensor On (including the Slow-Down), and then stops.	After detection of Eject Cam Home Sensor On, Sub Paddle Up Amount (Non Eject Target Paper) [pulse] output	012-060,012-062, 012-063,012-064, 012-070	X	- - - - -	Forward rotation/ reverse rotation Excite ON Clock PWM 2-phase excitation PWM	Operates only when Eject Cam Position = Home. (If the operation does not start, try this operation again after performing 12-60.)	Ejector
012-062	Eject Clamp Down (Set)	Drives the Eject Lift Motor in reverse rotation, outputs NVM [Compile Eject Clamp Down Amount] [pulse], and then stops.	Compile Eject Clamp Down Amount [pulse] output after detection of Eject Cam Home Sensor Off	012-060,012-061, 012-063,012-064, 012-066, 012-070	X	- - - - -	Reverse rotation Excite ON Clock PWM 2-phase excitation PWM	Operates only when Eject Cam Position = Home. (If the operation does not start, try this operation again after performing 12-60.)	Ejector



Chain-Link	Component Name	Description	Time Out	Simultaneous Execution Prohibited Item Chain-Link	Cyclic Operation	Connector Level (On Level)	Meaning	Remarks	Parts Name
012-063	Eject Clamp Down (Sheet)	Drives the Eject Lift Motor in reverse rotation, outputs NVM [Sheet Eject Clamp Down Amount] [pulse] after Eject Cam Home Sensor Off, and then stops.	Sheet Eject Clamp Down Amount [pulse] output after detection of Eject Cam Home Sensor Off	012-060,012-061, 012-062,012-064, 012-066, 012-070	X	- - - - -	Reverse rotation Excite ON Clock PWM 2-phase excitation PWM	Operates only when Eject Cam Position = Home. (If the operation does not start, try this operation again after performing 12-60.)	Ejector
012-064	Eject Clamp Up	Drives the Eject Lift Motor in forward rotation, outputs NVM [Compile Eject Clamp Up Amount] [pulse] after Eject Cam Home Sensor On, and then stops.	NVM [Eject Clamp Up Amount] [pulse] output after Eject Cam Home Sensor On	012-060,012-061, 012-062,012-063, 012-070	X	- - - - -	Forward rotation Excite ON Clock PWM 2-phase excitation PWM	Operates only when Eject Cam Position = Clamp Down. (If the operation does not start, try this operation again after performing 12-62.)	Ejector
012-065	Eject Motor (Forward)	Drives the Eject Motor with NVM [Eject Motor Profile (Component Control)] profile in forward rotation at NVM [Eject Motor Speed (Component Control)] [mm/s].	Operates until stop is instructed	012-066,012-067, 012-068,012-069, 012-070	X	Low High -	Forward rotation Start Clock	-	Ejector
012-066	Eject Motor (Reverse)	Drives the Eject Motor with NVM [Eject Motor Profile (Component Control)] profile in reverse rotation at NVM [Eject Motor Speed (Component Control)] [mm/s].	Operates until stop is instructed	012-062,012-063, 012-065,012-067, 012-068,012-069, 012-070	X	High High -	Reverse rotation Start Clock	-	Ejector
012-067	Eject Cam Clutch	Turns ON/OFF the Eject Cam Clutch.	1000 [ms]	012-065,012-066, 012-068,012-069,	X	-	PWM	-	Ejector

Chain-Link	Component Name	Description	Time Out	Simultaneous Execution Prohibited Item Chain-Link	Cyclic Operation	Connector Level (On Level)	Meaning	Remarks	Parts Name
				012-070					
012-068	Set Clamp (Push)	Drives the Eject Motor in reverse rotation and pushes out the Set Clamp.	Specified pulse output after detection of Set Clamp Home Sensor On	012-065,012-066, 012-067,012-069, 012-070	X	Low High - -	Forward rotation Start Clock PWM	-	Ejector
012-069	Set Clamp (Pull)	Drives the Eject Motor in forward rotation and pulls in the Set Clamp.	Specified pulse output after detection of Set Clamp Home Sensor Off	012-065,012-066, 012-067,012-068, 012-070	X	Low High - -	Forward rotation Start Clock PWM	-	Ejector
012-070	Set Eject	Part of set eject operation	Specified pulse output after detection of Set Clamp Home Sensor Off	012-060,012-061, 012-062,012-063, 012-064,012-065, 012-066,012-067, 012-068,012-069,	X	Low High - -	Forward rotation Start Clock PWM	Operates only when Eject Cam Position = Home. (If the operation does not start, try this operation again after performing 12-60.)	Ejector
012-071	Stacker Motor (Lift Up)	Drives the Stacker Motor upwards at NVM [Stacker Motor Component Raise Drive Frequency] [Hz].	When TACKER_HEIGHT_SNR is detected to be ON or NVM [Component Raise Travel Distance] [pulse] has been output	012-072,012-042, 012-043,012-052, 012-053	X	Low - High -	Upwards (CCW) Clock Rotate EncoderCount	-	Stacker Tray
012-072	Stacker Motor (Lift Down)	Drives the Stacker Motor downwards at NVM [Stacker Motor Component Drop Drive Frequency] [Hz].	When Stacker Tray Position = Lower Limit or NVM	012-071,012-042, 012-043,012-052, 012-053	X	High - High -	Downwards (CW) Clock Rotate EncoderCount	-	Stacker Tray

Chain-Link	Component Name	Description	Time Out	Simultaneous Execution Prohibited Item Chain-Link	Cyclic Operation	Connector Level (On Level)	Meaning	Remarks	Parts Name
			[Component Drop Travel Distance] [pulse] has been output						
012-080	Punch Mot Home Move	Hole Punch Motor Home operation Drives the Hole Punch Motor in forward rotation.	Stops when the Home Sensor turns ON	012-081, 012-082	X	Low - Low	Transport Direction (CW) Clock Rotate		Hole Punch
012-081	Punch (2Hole)	Performs the 2-hole Punch operation.	Operation completed	012-080, 012-082	X	Low - Low	Transport Direction (CCW) Clock Rotate		Hole Punch
012-082	Punch (3Hole/4Hole)	Performs the 3-hole/4-hole Punch operation. (Depending on the installed Punch Unit, this can be 3-hole, 4-hole, or Motor empty rotation)	Operation completed	012-080, 012-081	X	Low - Low	Transport Direction (CW) Clock Rotate	-	Hole Punch
012-083	HTU FAN	Rotates the HTU_FAN_MOT.	Operates until stop is instructed	-	X	Low - Low	Transport Direction (CCW) Clock Rotate	-	Hole Punch
012-090	Knife Motor (Forward)	Drives the Knife Motor in forward rotation.	Stops when the Home Sensor turns ON	012-091	X	Low - Low	Transport Direction (CW) Clock Rotate		Booklet
012-091	Knife Motor (Reverse)	Drives the Knife Motor in reverse rotation.	Stops when the Home Sensor turns ON	012-090	X	Low - Low	Transport Direction (CCW) Clock Rotate	-	Booklet
012-092	Booklet Staple Motor F (Forward)	Performs the Booklet Staple Motor Front Staple operation.	Operation completed Stop instruction received	012-093, 012-098, 012-099	X	Low Low -	Front side Rear side PWM		Booklet
012-093	Booklet Staple Motor F (Reverse)	Performs the Booklet Staple Motor Front Head Home operation.	Operation completed Stop instruction received	012-092, 012-098, 012-099	X	Low Low -	Front side Rear side PWM		Booklet

Chain-Link	Component Name	Description	Time Out	Simultaneous Execution Prohibited Item Chain-Link	Cyclic Operation	Connector Level (On Level)	Meaning	Remarks	Parts Name
012-094	Booklet Staple Motor R (Forward)	Performs the Booklet Staple Motor Rear Staple operation.	Operation completed Stop instruction received	012-095, 012-098, 012-099	X	Low Low -	Front side Rear side PWM		Booklet
012-095	Booklet Staple Motor R (Reverse)	Performs the Booklet Staple Motor Rear Head Home operation.	Operation completed Stop instruction received	012-094, 012-098, 012-099	X	Low Low -	Front side Rear side PWM		Booklet
012-096	Booklet Staple Move Motor In	Moves the Booklet Staple Move Motor towards the inner side.	Operation completed Stop instruction received	012-097, 012-098, 012-099	X	- - - -	PWM Clock 1-2-phase excitation (H) CW Excite ON		Booklet
012-097	Booklet Staple Move Motor Out	Moves the Booklet Staple Move Motor towards the outer side.	Operation completed Stop instruction received	012-096, 012-098, 012-099	X	- - - -	Front side Rear side CCW Excite ON		Booklet

Chain-Link	Component Name	Description	Time Out	Simultaneous Execution Prohibited Item Chain-Link	Cyclic Operation	Connector Level (On Level)	Meaning	Remarks	Parts Name
012-098	Booklet Staple Move Motor A4S	Moves the Booklet Staple Move Motor towards the A4 SEF position.	Operation completed Stop instruction received	012-092,012-093, 012-094,012-095, 012-096,012-097, 012-099	X	Low Low - Low Low - - - -	PWM Clock PWM Front side Rear side PWM PWM Clock 1-2-phase excitation (H) CW Excite ON		Booklet
012-099	Booklet Staple Move Motor A3S	Moves the Booklet Staple Move Motor towards the A3 SEF position.	Operation completed Stop instruction received	012-092,012-093, 012-094,012-095, 012-096,012-097, 012-098	X	Low Low - Low Low - - - -	PWM Clock PWM Front side Rear side PWM PWM Clock 1-2-phase excitation (H) CW Excite ON		Booklet

## DC131 List

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-001	IPL Software Version	Displays the IPL software version. This NVM value is reflected after performing a DL that uses IPL.	0	0	0	255		X	X	Founda- tion	1.0.0
763-005	Receive Error Detection Interrupt Count	Displays the number of times Receive Error Detection Interrupt had occurred. Note that the number of occurrences prior to establishment of communication are not counted. 0: Has not occurred 1 to 244: Number of occurrences 255: Has occurred 255 or more times	0	0	0	255		0	X	Founda- tion	1.0.0
763-051	Sheet Output Pitch Adjustment	The additional time for adjusting the pitch between sheets when the preceding paper is a sheet output.	0	0	0	255	10 ms	X	0	System	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-052	Set Output Pitch Between Sheets Adjustment	The additional time for adjusting the pitch between sheets when the preceding paper is a set output.	0	0	0	255	10 ms	X	0	System	1.0.0
763-053	Set Output (Normal) Pitch Between Sets Adjustment	The additional time for adjusting the pitch between sets when the preceding paper is a set output and uses the set finishing output method (no Fold Line and no Booklet Staple).	0	0	0	255	10 ms	X	0	System	1.0.0
763-054	Set Output (Booklet) Pitch Between Sets Adjustment	The additional time for adjusting the pitch between sets when the preceding paper is a set output and uses the Booklet finishing output method	0	0	0	255	10 ms	X	0	System	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		(with Fold Line and with Booklet Staple).									
763-055	Set Output (Folder) Pitch Between Sets Adjustment	The additional time for adjusting the pitch between sets when the preceding paper is a set output and uses the Folder finishing output method (with Fold Line and no Booklet Staple).	0	0	0	255	10 ms	X	0	System	1.0.0
763-056	Priority Output Method Setting 1	Sets the whether to prioritize set (compile) output or sheet output for output method involving Unstapled and low productivity Jobs. 0: Set output 1: Sheet output	0	0	0	1		X	0	System	1.0.0
763-057	Priority Output Method Setting 2	Sets the whether to prioritize set (compile) output or sheet output for output	1	1	0	1		X	0	System	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		method involving Un-stapled and high productivity Jobs. 0: Set output 1: Sheet output									
763-058	Staple Maximum Number of Sheets (Staple)	Sets the maximum number of sheets for Staple (Edge-bind).	50	50	10	70	1 sheet	X	0	System	1.0.0
763-060	Booklet Staple Maximum Number of Sheets	Sets the maximum number of sheets for Booklet Staple (Center-bind).	15	15	2	25	1 sheet	X	0	System	1.0.0
763-100	Finisher Transport Speed Compile Output	Finisher Transport Speed Compile Output.	5000	5000	1000	7000	0.1 mm/s	0	0	Transport	1.0.0
763-101	Compile Exit Speed	Compile Exit Speed.	2421	2421	1000	7000	100 ms	0	0	Transport	1.0.0
763-102	Compile Speed	The speed during Compile operation.	5000	5000	1000	7000	0.1 mm/s	0	0	Transport	1.0.0
763-103	Finisher Transport Speed Sheet Output	Finisher Transport Speed Sheet Output.	6200	6200	1000	7000	0.1 mm/s	0	0	Transport	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-104	Paper Output Operation Profile	Paper Output Operation Profile. 0 (Standard), 1 (Low Speed), 2 (High Speed)	0	0	0	2		0	0	Transport	1.0.0
763-105	Deceleration End Targeted Position towards Compile Exit Speed	Deceleration End Targeted Position towards Compile Exit Speed.	20	20	0	50	1 ms	0	0	Transport	1.0.0
763-106	Acceleration Start Targeted Position towards Compile Exit Speed	Acceleration Start Targeted Position towards Compile Exit Speed.	12	12	0	255	1 mm	0	0	Transport	1.0.0
763-107	Transport Motor Stop Timing (Next Sheet Schedule Done)	Transport Motor Stop Timing (Next Sheet Schedule Done).	50	50	0	100	100 ms	0	0	Transport	1.0.0
763-108	Transport Motor Stop Timing (Next Sheet Schedule Not Available)	Transport Motor Stop Timing (Next Sheet Schedule Not Available).	10	10	0	100	100 ms	0	0	Transport	1.0.0
763-109	Pre-Hole Punch Transport Speed	Pre-Hole Punch Transport Speed	5000	5000	1000	7000	0.1 ms	0	0	Transport	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-110	Post-Hole Punch Transport Speed	Post-Hole Punch Transport Speed	6200	6200	1000	7000	0.1 ms	0	0	Transport	1.0.0
763-111	Hole Punch Stop/Start Profile (Set Out-put)	The Stop/Start Profile for Hole Punch during set out-put. 0 (Standard), 1 (Low Speed), 2 (High Speed)	2	2	0	2		0	0	Transport	1.0.0
763-112	Hole Punch Paper Output Operation Profile	Hole Punch Paper Output Operation Profile 0 (Standard), 1 (Low Speed), 2 (HighSpeed)	0	0	0	2		0	0	Transport	1.0.0
763-113	Hole Punch Paper Transport Path Length Adjustment Value	Hole Punch Paper Transport Path Length Adjustment Value	-43	-43	-100	100	0.1 ms	0	0	Transport	1.7.0
763-114	Hole Punch Paper Transport Amount Adjustment Value (Paper Feed Length < 364 mm)	Hole Punch Paper Transport Amount Adjustment Value (Paper Feed Length < 364 mm)	0	0	-100	100	0.1 ms	X	0	Transport	1.0.0
763-115	Hole Punch Paper	Hole Punch Paper	0	0	-100	100	0.1 ms	X	0	Transport	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Transport Amount Adjustment Value (364 mm < = Paper Feed Length)	Transport Amount Adjustment Value (364 mm < = Paper Feed Length)									
763-116	Pre-Hole Punch Stabilization Time after Motor Stop	Pre-Hole Punch Stabilization Time after Motor Stop	60	60	0	200	1 ms	0	0	Transport	1.0.0
763-117	Post-Hole Punch Paper Transport Wait Time (Set Output)	The wait time for paper transport after a Hole Punch during set output.	0	0	0	200	1 ms	0	0	Transport	1.0.0
763-118	Post-Folder Transport Speed	Post-Folder Transport Speed	3200	3200	1000	7000	0.1 ms	0	0	Transport	1.0.0
763-119	Folder Paper Transport Path Length Adjustment Value	Folder Paper Transport Path Length Adjustment Value	-8	-8	-100	100	0.1 ms	0	0	Transport	1.7.0
763-120	Folder Paper Transport Amount Adjustment Value (Paper Feed Length < 364 mm)	Folder Paper Transport Amount Adjustment Value (Paper Feed Length < 364 mm)	0	0	-100	100	0.1 ms	X	0	Transport	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-121	Folder Paper Transport Amount Adjustment Value (364 mm <= Paper Feed Length)	Folder Paper Transport Amount Adjustment Value (364 mm <= Paper Feed Length)	0	0	-100	100	0.1 ms	X	0	Transport	1.0.0
763-122	Pre-Folder Stabilization Time after Motor Stop	Pre-Folder Stabilization Time after Motor Stop	60	60	0	200	1 ms	0	0	Transport	1.0.0
763-123	Post-Folder Paper Transport Wait Time	Post-Folder Paper Transport Wait Time	0	0	0	200	1 ms	0	0	Transport	1.0.0
763-124	Transport Motor Component Control Operation Speed	Transport Motor Component Control Operation Speed.	5000	5000	1000	7000	0.1 mm/s	0	0	Transport	1.0.0
763-125	Transport Motor Component Control Profile	Transport Motor Component Control Profile. 0 (Standard), 1 (Low Speed), 2 (High Speed)	0	0	0	2		0	0	Transport	1.0.0
763-131	Transport Motor Stop Timing (Sheet Output, Next Sheet Schedule Done)	Transport Motor Stop Timing (Sheet Output, Next Sheet Schedule Done).	50	50	0	100	100 ms	0	0	Transport	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-132	Transport Motor Stop Timing (Sheet Output, Next Sheet Schedule Not Available)	Transport Motor Stop Timing (Sheet Output, Next Sheet Schedule Not Available).	10	10	0	100	100 ms	0	0	Transport	1.0.0
763-133	Folder Transport Motor Drive Start Timing Adjustment Value	The adjustment value for start timing of Transport Motor Drive during Folder Job.	0	0	0	1000	1 ms	0	0	Transport	1.0.0
763-134	Folder Job Transport Motor Stop Timing (Next Sheet Schedule Done)	The Transport Motor stop timing during Folder Job (next sheet schedule done).	50	50	0	100	100 ms	0	0	Transport	1.0.0
763-135	Folder Job Transport Motor Stop Timing (Next Sheet Schedule Not Available)	The Transport Motor stop timing during Folder Job (next sheet schedule not available).	10	10	0	100	100 ms	0	0	Transport	1.0.0
763-136	Hole Punch Stop/Start Profile (Sheet Output)	The Stop/Start Profile for Hole Punch during sheet output. 0 (Standard), 1 (Low	0	0	0	2		0	0	Transport	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Speed), 2 (High Speed)									
763-137	Post-Hole Punch Paper Transport Wait Time (Sheet Output)	The wait time for paper transport after a Hole Punch during sheet output.	15	15	0	200	1 ms	0	0	Transport	1.0.0
763-138	Folder Stop/Start Profile	Folder Stop/Start Profile 0 (Standard), 1 (Low Speed), 2 (High Speed)	0	0	0	2		0	0	Transport	1.0.0
763-139	Folder Paper Output Operation Profile.	Folder Paper Output Operation Profile. 0 (Standard), 1 (Low Speed), 2 (High Speed)	0	0	0	2		0	0	Transport	1.0.0
763-140	Folder Paper Transport Path Length Adjustment Value (Other than 1st Sheet in Set)	Folder Paper Transport Path Length Adjustment Value	-8	-8	-100	100	0.1 mm/s	0	0	Transport	1.8.0
763-150	HTU Transport Speed: Vh	HTU Transport Speed: Vh.	3200	3200	1200	4000	0.1 mm/s	0	0	Transport	1.0.0
763-151	HTU Motor Stop Timing (Next Sheet)	HTU Motor Stop Timing (Next Sheet)	50	50	0	100	100 ms	0	0	Transport	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Schedule Done)	Schedule Done).									
763-152	HTU Motor Stop Timing (Next Sheet Schedule Not Available)	HTU Motor Stop Timing (Next Sheet Schedule Not Available).	5	5	0	100	100 ms	0	0	Transport	1.0.0
763-153	HTU Motor Component Control Operation Speed	HTU Motor Component Control Operation Speed.	3200	3200	600	5500	0.1 mm/s	0	0	Transport	1.0.0
763-200	Unstapled Compile Tray Stack Maximum Number of Sheets	The maximum number of sheets for Compile Tray Stack during Unstapled.	10	10	1	70	1 sheet	0	0	Compiler	1.0.0
763-201	Folder Compile Tray Stack Maximum Number of Sheets	The maximum number of sheets for Compile Tray Stack when using Folder.	5	5	1	20	1 sheet	0	0	Compiler	1.0.0
763-203	Tamper Release Start Wait Margin Setting	Tamper Release Start Wait Margin setting.	50	50	0	255	1 ms	0	0	Compiler	1.0.0
763-204	Compile Operation Start Wait Time (Paper Feed Length < =	Compile Operation Start Wait Time (Paper Feed Length < =	38	38	0	1000	1 ms	0	0	Compiler	1.1.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	216.0 mm, Weight < 64 gsm)	216.0 mm, Weight < 64 gsm).									
763-205	Compile Operation Start Wait Time (Paper Feed Length < = 216.0 mm, 64 gsm < = Weight < 106 gsm)	Compile Operation Start Wait Time (Paper Feed Length < = 216.0 mm, 64 gsm < = Weight < 106 gsm).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0
763-206	Compile Operation Start Wait Time (Paper Feed Length < = 216.0 mm, 106 gsm < = Weight < 221 gsm)	Compile Operation Start Wait Time (Paper Feed Length < = 216.0 mm, 106 gsm < = Weight < 221 gsm).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0
763-207	Compile Operation Start Wait Time (Paper Feed Length < = 216.0 mm, 221 gsm < = Weight)	Compile Operation Start Wait Time (Paper Feed Length < = 216.0 mm, 221 gsm < = Weight).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0
763-208	Compile Operation Start Wait Time (216.0 mm < Paper Feed Length < =	Compile Operation Start Wait Time (216.0 mm < PaperFeed	38	38	0	1000	1 ms	0	0	Compiler	1.1.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	364.0 mm, Weight < 64 gsm)	Length < = 364.0 mm, Weight < 64 gsm).									
763-209	Compile Operation Start Wait Time (216.0 mm < Paper Feed Length < = 364.0 mm, 64 gsm < = Weight < 106 gsm)	Compile Operation Start Wait Time (216.0 mm < Paper Feed Length < = 364.0 mm, 64 gsm < = Weight < 106 gsm).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0
763-210	Compile Operation Start Wait Time (216.0 mm < Paper Feed Length < = 364.0 mm, 106 gsm < = Weight < 221 gsm)	Compile Operation Start Wait Time (216.0 mm < Paper Feed Length < = 364.0 mm, 106 gsm < = Weight < 221 gsm).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0
763-211	Compile Operation Start Wait Time (216.0 mm < Paper Feed Length < = 364.0 mm, 221 gsm < = Weight)	Compile Operation Start Wait Time (216.0 mm < Paper Feed Length < = 364.0 mm, 221 gsm < = Weight).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-212	Compile Operation Start Wait Time (364.0 mm < Paper Feed Length, Weight < 64 gsm)	Compile Operation Start Wait Time (364.0 mm < Paper Feed Length, Weight < 64 gsm).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0
763-213	Compile Operation Start Wait Time (364.0 mm < Paper Feed Length, 64 gsm < = Weight < 106 gsm)	Compile Operation Start Wait Time (364.0 mm < Paper Feed Length, 64 gsm < = Weight < 106 gsm).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0
763-214	Compile Operation Start Wait Time (364.0 mm < Paper Feed Length, 106 gsm < = Weight < 221 gsm)	Compile Operation Start Wait Time (364.0 mm < Paper Feed Length, 106 gsm < = Weight < 221 gsm).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0
763-215	Compile Operation Start Wait Time (364.0 mm < Paper Feed Length, 221 gsm < = Weight)	Compile Operation Start Wait Time (364.0 mm < Paper Feed Length, 221 gsm < = Weight).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-216	Booklet Compile Operation Start Wait Time (Paper Feed Length < = 364.0 mm, Weight < 106 gsm)	Booklet Compile Operation Start Wait Time (Paper Feed Length < = 364.0 mm, Weight < 106 gsm).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0
763-217	Booklet Compile Operation Start Wait Time (Paper Feed Length < = 364.0 mm, 106 gsm < = Weight)	Booklet Compile Operation Start Wait Time (Paper Feed Length < = 364.0 mm, 106 gsm < = Weight).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0
763-218	Booklet Compile Operation Start Wait Time (364.0 mm < Paper Feed Length, Weight < 106 gsm)	Booklet Compile Operation Start Wait Time (364.0mm < Paper Feed Length, Weight < 106 gsm).	38	38	0	1000	1 ms	0	0	Compiler	1.1.0
763-219	Booklet Compile Operation Start Wait Time (364.0 mm < Paper Feed Length, 106	Booklet Compile Operation Start Wait Time (364.0 mm < Paper Feed Length, 106	38	38	0	1000	1 ms	0	0	Compiler	1.1.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	gsm < = Weight)	gsm < = Weight).									
763-220	Tamping Operation Start Time (Paper Feed Length < = 216.0 mm, Weight < 64 gsm)	Tamping Operation Start Time (Paper Feed Length < = 216.0 mm, Weight < 64 gsm).	330	330	10	1000	1 ms	0	0	Compiler	1.0.0
763-221	Tamping Operation Start Time (Paper Feed Length < = 216.0 mm, 64 gsm < = Weight < 106 gsm)	Tamping Operation Start Time (Paper Feed Length < = 216.0 mm, 64 gsm < = Weight < 106 gsm).	330	330	10	1000	1 ms	0	0	Compiler	1.0.0
763-222	Tamping Operation Start Time (Paper Feed Length < = 216.0 mm, 106 gsm < = Weight < 221 gsm)	Tamping Operation Start Time (Paper Feed Length < = 216.0 mm, 106 gsm < = Weight < 221 gsm).	330	330	10	1000	1 ms	0	0	Compiler	1.0.0
763-223	Tamping Operation Start Time (Paper Feed Length < = 216.0 mm, 221 gsm < = Weight)	Tamping Operation Start Time (Paper Feed Length < = 216.0 mm, 221 gsm < = Weight).	330	330	10	1000	1 ms	0	0	Compiler	1.0.0
763-224	Tamping Operation Start Time (216.0 mm < Paper Feed Length < =	Tamping Operation Start Time (216.0 mm < Paper	330	330	10	1000	1 ms	0	0	Compiler	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	364.0 mm, Weight < 64 gsm)	Feed Length < = 364.0 mm, Weight < 64 gsm).									
763-225	Tamping Operation Start Time (216.0 mm < Paper Feed Length < = 364.0 mm, 64 gsm < = Weight < 106 gsm)	Tamping Operation Start Time (216.0 mm < Paper Feed Length < = 364.0 mm, 64 gsm < = Weight < 106 gsm).	330	330	10	1000	1 ms	0	0	Compiler	1.0.0
763-226	Tamping Operation Start Time (216.0 mm < Paper Feed Length < = 364.0 mm, 106 gsm < = Weight < 221 gsm)	Tamping Operation Start Time (216.0 mm < Paper Feed Length < = 364.0 mm, 106 gsm < = Weight < 221 gsm).	470	470	10	1000	1 ms	0	0	Compiler	1.0.0
763-227	Tamping Operation Start Time (216.0 mm < Paper Feed Length < = 364.0 mm, 221 gsm < = Weight)	Tamping Operation Start Time (216.0 mm < Paper Feed Length < = 364.0 mm, 221 gsm < = Weight).	470	470	10	1000	1 ms	0	0	Compiler	1.0.0
763-228	Tamping Operation Start Time (364.0 mm < Paper	Tamping Operation Start Time (364.0 mm < Paper	330	330	10	1000	1 ms	0	0	Compiler	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Feed Length, Weight < 64 gsm)	Feed Length, Weight < 64 gsm).									
763-229	Tamping Operation Start Time (364.0 mm < Paper Feed Length, 64 gsm < = Weight < 106 gsm)	Tamping Operation Start Time (364.0 mm < Paper Feed Length, 64 gsm < = Weight < 106 gsm).	330	330	10	1000	1 ms	0	0	Compiler	1.0.0
763-230	Tamping Operation Start Time (364.0 mm < Paper Feed Length, 106 gsm < = Weight < 221 gsm)	Tamping Operation Start Time (364.0 mm < Paper Feed Length, 106 gsm < = Weight < 221 gsm).	470	470	10	1000	1 ms	0	0	Compiler	1.0.0
763-231	Tamping Operation Start Time (364.0 mm < Paper Feed Length, 221 gsm < = Weight)	Tamping Operation Start Time (364.0 mm < Paper Feed Length, 221 gsm < = Weight).	470	470	10	1000	1 ms	0	0	Compiler	1.0.0
763-232	Booklet Tamping Operation Start Time (Paper Feed Length < = 364.0 mm, Weight < 106 gsm)	Booklet Tamping Operation Start Time (Paper Feed Length < = 364.0 mm, Weight < 106 gsm).	500	500	10	1000	1 ms	0	0	Compiler	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-233	Booklet Tamping Operation Start Time (Paper Feed Length < = 364.0 mm, 106 gsm < = Weight)	Booklet Tamping Operation Start Time (Paper Feed Length < = 364.0 mm, 106 gsm < = Weight).	500	500	10	1000	1 ms	0	0	Compiler	1.0.0
763-234	Booklet Tamping Operation Start Time (364.0 mm < Paper Feed Length, Weight < 106 gsm)	Booklet Tamping Operation Start Time (364.0 mm < Paper Feed Length, Weight < 106 gsm).	500	500	10	1000	1 ms	0	0	Compiler	1.0.0
763-235	Booklet Tamping Operation Start Time (364.0 mm < Paper Feed Length, 106 gsm < = Weight)	Booklet Tamping Operation Start Time (364.0 mm < Paper Feed Length, 106 gsm < = Weight).	500	500	10	1000	1 ms	0	0	Compiler	1.0.0
763-236	Staple Front Staple Position Move Start Wait Time	The wait time to start moving to Staple Front Staple position.	178	178	0	255	5 ms	0	0	Compiler	1.0.0
763-238	Staple Rear Staple Position Move Start Wait Time	The wait time to start moving to Staple Rear Staple Position.	120	120	0	255	5 ms	0	0	Compiler	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-240	Staple Front Staple Offset Operation Start Wait Time	The wait time to start Staple Front Staple Offset operation.	48	48	0	255	5 ms	0	0	Compiler	1.0.0
763-241	Staple Rear Straight Staple Offset Operation Start Wait Time	The wait time to start Staple Rear Straight Staple Offset operation.	94	94	0	255	5 ms	0	0	Compiler	1.0.0
763-242	Dual Staple Offset Operation Start Wait Time	The wait time to start Dual Staple Offset operation.	0	0	0	255	5 ms	0	0	Compiler	1.0.0
763-243	Eject Clamp Down Overlap Time Adjustment Value	The adjustment value for overlap time during Eject Clamp Down.	60	60	0	255	1 ms	0	0	Compiler	1.0.0
763-244	Eject Clamp Up Operation Start Wait Time	Eject Clamp Up Operation Start Wait Time.	0	0	0	255	1 ms	0	0	Compiler	1.0.0
763-245	Sheet Output Speed Initial Acceleration End Point	Sheet Output Speed Initial Acceleration End Point.	20	20	0	255	1 ms	0	0	Compiler	1.0.0
763-246	Hole Punch Sheet Eject Operation Start Wait	Hole Punch Sheet Eject Operation Start Wait	15	15	0	255	1 ms	0	0	Compiler	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Time Adjustment Time	Time Adjustment Time.									
763-249	Booklet Transport Assist Operation Start Wait Time	Booklet Transport Assist Operation Start Wait Time	0	0	0	255	1 ms	0	0	Compiler	1.0.0
763-250	Booklet 1st Sheet Clamp Up Wait Time	Booklet 1st Sheet Clamp Up Wait Time	19	19	0	255	10 ms	0	0	Compiler	1.0.0
763-251	Paper Holding Operation Start Wait Time	Paper Holding Operation Start Wait Time.	0	0	0	255	10 ms	0	0	Compiler	1.0.0
763-252	Folder Tamper Release Operation Start Wait Time	Folder Tamper Release Start Wait Margin setting.	50	50	0	255	1 ms	0	0	Compiler	1.6.0
763-253	Booklet Staple Tamper Release Operation Start Wait Time	Booklet Staple Tamper Release Start Wait Margin setting.	50	50	0	255	1 ms	0	0	Compiler	1.6.0
763-303	Paper Thickness Adjustment Value (Uncoated G, 106 gsm < Paper Weight < 170 gsm)	The adjustment value for paper thickness when using Uncoated paper group, 106 gsm <	0	0	-100	100	0.001 mm	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		paper weight < 170 gsm.									
763-304	Paper Thickness Adjustment Value (Uncoated G, 170 gsm < = Paper Weight)	The adjustment value for paper thickness when using Uncoated paper group, 170 gsm < = paper weight.	0	0	-100	100	0.001 mm	0	0	Ejector	1.0.0
763-305	Paper Thickness Adjustment Value (Coated G, 106 gsm < Paper Weight < 170 gsm)	The adjustment value for paper thickness when using Coated paper group, 106 gsm < paper weight < 170 gsm.	20	20	-100	100	0.001 mm	0	0	Ejector	1.0.0
763-306	Paper Thickness Adjustment Value (Coated G, 170 gsm < = Paper Weight)	The adjustment value for paper thickness when using Coated paper group, 170 gsm < = paper weight.	30	30	-90	100	0.001 mm	0	0	Ejector	1.0.0
763-307	Substitute Weight Value when Paper Weight is Unknown	When the paper weight is unknown, this will be the weight value that is used to decide the	150	150	52	300	1 gsm	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Sub Paddle Down Amount/Sub Paddle Down Time in Compile operation.									
763-308	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, Paper Stack Height < = 1.000 mm)	Sub Paddle Down Amount when Uncoated paper group, lighter than 106 gsm, and paper stack height < = 1.000 mm.	29	29	3	255	1 pulse	0	0	Ejector	1.0.0
763-309	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, 1.000 mm < Paper Stack Height < = 2.000 mm)	Sub Paddle Down Amount when Uncoated paper group, lighter than 106 gsm, and 1.000 mm < paper stack height < = 2.000 mm.	26	26	3	255	1 pulse	0	0	Ejector	1.0.0
763-310	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, 2.000 mm < Paper Stack	Sub Paddle Down Amount when Uncoated paper group, lighter than 106 gsm, and 2.000 mm <	23	23	3	255	1 pulse	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Height < = 3.000 mm)	paper stack height < = 3.000 mm.									
763-311	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, 3.000 mm < Paper Stack Height < = 4.000 mm)	Sub Paddle Down Amount when Uncoated paper group, lighter than 106 gsm, and 3.000 mm < paper stack height < = 4.000 mm.	20	20	3	255	1 pulse	0	0	Ejector	1.0.0
763-312	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, 4.000 mm < Paper Stack Height < = 5.000 mm)	Sub Paddle Down Amount when Uncoated paper group, lighter than 106 gsm, and 4.000 mm < paper stack height < = 5.000 mm.	18	18	3	255	1 pulse	0	0	Ejector	1.0.0
763-313	Sub Paddle Down Amount (Uncoated G, Lighter than 106 gsm, 5.000 mm < Paper Stack Height)	Sub Paddle Down Amount when Uncoated paper group, lighter than 106 gsm, and 5.000 mm < paper stack height.	15	15	3	255	1 pulse	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-314	Sub Paddle Down Amount (Uncoated G, 106 gsm or Heavier, Paper Stack Height < = 1.000 mm)	Sub Paddle Down Amount when Uncoated paper group, 106 gsm < = paper weight < 170 gsm, and paper stack height < = 1.000 mm.	29	29	3	255	1 pulse	0	0	Ejector	1.0.0
763-315	SubPaddle Down Amount (Uncoated G, 106 gsm or Heavier, 1.000 mm < Paper Stack Height < = 2.000 mm)	Sub Paddle Down Amount when Uncoated paper group, 106 gsm < = paper weight < 170 gsm, and 1.000 mm < paper stack height < = 2.000 mm.	26	26	3	255	1 pulse	0	0	Ejector	1.0.0
763-316	SubPaddle Down Amount (Uncoated G, 106 gsm or Heavier, 2.000 mm < Paper Stack Height < = 3.000 mm)	Sub Paddle Down Amount when Uncoated paper group, 106 gsm < = paper weight < 170 gsm, and 2.000 mm < paper stack height < = 3.000 mm.	23	23	3	255	1 pulse	0	0	Ejector	1.0.0
763-317	SubPaddle Down Amount (Uncoated G, 106	Sub Paddle Down Amount when Uncoated paper group, 106 gsm < =	20	20	3	255	1 pulse	0	0	Ejector	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	gsm or Heavier, 3.000 mm < Paper Stack Height < = 4.000 mm)	paper weight < 170 gsm, and 3.000 mm < paper stack height < = 4.000 mm.									
763-318	SubPaddle Down Amount (Uncoated G, 106 gsm or Heavier, 4.000 mm < Paper Stack Height < = 5.000 mm)	Sub Paddle Down Amount when Uncoated paper group, 106 gsm < = paper weight < 170 gsm, and 4.000 mm < paper stack height < = 5.000 mm.	18	18	3	255	1 pulse	0	0	Ejector	1.0.0
763-319	SubPaddle Down Amount (Uncoated G, 106 gsm or Heavier, 5.000 mm < Paper Stack Height)	Sub Paddle Down Amount when Uncoated paper group, 106 gsm < = paper weight < 170 gsm, and 5.000 mm < paper stack height.	15	15	3	255	1 pulse	0	0	Ejector	1.0.0
763-320	Sub Paddle Down Amount (Uncoated G, 170 gsm or Heavier, Paper Stack Height < = 1.000 mm, Paper Feed Length < = 216 mm)	Sub Paddle Down Amount when Uncoated paper group, 170 gsm or heavier, paper stack height < = 1.000 mm, and paper	29	29	3	255	1 pulse	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		feed length < = 216 mm.									
763-321	SubPaddle Down Amount (Uncoated G, 170 gsm or Heavier, 1.000 mm < Paper Stack Height < = 2.000 mm, Paper Feed Length < = 216 mm)	Sub Paddle Down Amount when Uncoated paper group, 170 gsm or heavier, 1.000 mm < paperstack height < = 2.000 mm, and paper feed length < = 216 mm.	26	26	3	255	1 pulse	0	0	Ejector	1.0.0
763-322	SubPaddle Down Amount (Uncoated G, 170 gsm or Heavier, 2.000 mm < Paper Stack Height < = 3.000 mm, Paper Feed Length < = 216 mm)	Sub Paddle Down Amount when Uncoated paper group, 170 gsm or heavier, 2.000 mm < paperstack height < = 3.000 mm, and paper feed length < = 216 mm.	23	23	3	255	1 pulse	0	0	Ejector	1.0.0
763-323	SubPaddle Down Amount (Uncoated G, 170 gsm or	Sub Paddle Down Amount when Uncoated paper group,	20	20	3	255	1 pulse	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Heavier, 3.000 mm < Paper Stack Height < = 4.000 mm, Paper Feed Length < = 216 mm)	170 gsm or heavier, 3.000 mm < paperstack height < = 4.000 mm, and paper feed length < = 216 mm.									
763-324	Sub Paddle Down Amount (Uncoated G, 170 gsm or Heavier, 4.000 mm < Paper Stack Height, Paper Feed Length < = 216 mm)	Sub Paddle Down Amount when Uncoated paper group, 170 gsm or heavier, 4.000 mm < paper stack height , and paper feed length < = 216 mm.	18	18	3	255	1 pulse	0	0	Ejector	1.0.0
763-325	Sub Paddle Down Amount (Uncoated G, 170 gsm or Heavier, Paper Stack Height < = 1.000 mm, 216 mm < Paper Feed Length)	Sub Paddle Down Amount when Uncoated paper group, 170 gsm or heavier, paper stack height < = 1.000 mm, and 216 mm < paper feed length.	33	33	3	255	1 pulse	0	0	Ejector	1.0.0
763-326	Sub Paddle Down Amount	Sub Paddle Down Amount when	29	29	3	255	1 pulse	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	(Uncoated G, 170 gsm or Heavier, 1.000 mm < Paper Stack Height < = 2.000 mm, 216 mm < Paper Feed Length)	Uncoated paper group, 170 gsm or heavier, 1.000 mm < paper stack height < = 2.000 mm, and 216 mm < paper feed length.									
763-327	Sub Paddle Down Amount (Uncoated G, 170 gsm or Heavier, 2.000 mm < Paper Stack Height < = 3.000 mm, 216 mm < Paper Feed Length)	Sub Paddle Down Amount when Uncoated paper group, 170 gsm or heavier, 2.000 mm < paper stack height < = 3.000 mm, and 216 mm < paper feed length.	26	26	3	255	1 pulse	0	0	Ejector	1.0.0
763-328	Sub Paddle Down Amount (Uncoated G, 170 gsm or Heavier, 3.000 mm < Paper Stack Height < = 4.000 mm, 216 mm <	Sub Paddle Down Amount when Uncoated paper group, 170 gsm or heavier, 3.000 mm < paper stack height < =	23	23	3	255	1 pulse	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Paper Feed Length)	4.000 mm, and 216 mm < paper feed length.									
763-329	Sub Paddle Down Amount (Uncoated G, 170 gsm or Heavier, 4.000 mm < Paper Stack Height, 216 mm < Paper Feed Length)	Sub Paddle Down Amount when Uncoated paper group, 170 gsm or heavier, 4.000 mm < paper stack height, and 216 mm < paper feed length.	20	20	3	255	1 pulse	0	0	Ejector	1.0.0
763-330	Sub Paddle Down Amount (Coated G, Lighter than 170 gsm, Paper Stack Height < = 1.000 mm)	Sub Paddle Down Amount when Coated paper group, lighter than 170 gsm, and paper stack height < = 1.000 mm.	29	29	3	255	1 pulse	0	0	Ejector	1.0.0
763-331	Sub Paddle Down Amount (Coated G, Lighter than 170 gsm, 1.000 mm < Paper Stack	Sub Paddle Down Amount when Coated paper group, lighter than 170 gsm, and 1.000 mm < paper stack	26	26	3	255	1 pulse	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Height < = 2.000 mm)	height < = 2.000 mm.									
763-332	Sub Paddle Down Amount (Coated G, Lighter than 170 gsm, 2.000 mm < Paper Stack Height < = 3.000 mm)	Sub Paddle Down Amount when Coated paper group, lighter than 170 gsm, and 2.000 mm < paper stack height < = 3.000 mm.	23	23	3	255	1 pulse	0	0	Ejector	1.0.0
763-333	Sub Paddle Down Amount (Coated G, Lighter than 170 gsm, 3.000 mm < Paper Stack Height)	Sub Paddle Down Amount when Coated paper group, lighter than 170 gsm, and 3.000 mm < paper stack height.	20	20	3	255	1 pulse	0	0	Ejector	1.0.0
763-334	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, Paper Stack Height < = 1.000 mm, Paper Feed Length < = 216 mm)	Sub Paddle Down Amount when Coated paper group, 170 gsm or heavier, paper stack height < = 1.000 mm, and paper feed length < = 216 mm.	29	29	3	255	1 pulse	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-335	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, 1.000 mm < Paper Stack Height < = 2.000 mm, Paper Feed Length < = 216 mm)	Sub Paddle Down Amount when Coated paper group, 170 gsm or heavier, 1.000 mm < paper stack height < = 2.000 mm, and paper feed length < = 216 mm.	26	26	3	255	1 pulse	0	0	Ejector	1.0.0
763-336	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, 2.000 mm < Paper Stack Height < = 3.000 mm, Paper Feed Length < = 216 mm)	Sub Paddle Down Amount when Coated paper group, 170 gsm or heavier, 2.000 mm < paper stack height < = 3.000 mm, and paper feed length < = 216 mm.	23	23	3	255	1 pulse	0	0	Ejector	1.0.0
763-337	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, 3.000 mm < Paper Stack Height, Paper	Sub Paddle Down Amount when Coated paper group, 170 gsm or heavier, 3.000 mm < paper stack height, and	20	20	3	255	1 pulse	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Feed Length < = 216 mm)	paper feed length < = 216 mm.									
763-338	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, Paper Stack Height < = 1.000 mm, 216 mm < Paper Feed Length)	Sub Paddle Down Amount when Coated paper group, 170 gsm or heavier, paper stack height < = 1.000 mm, and 216 mm < paper feed length.	33	33	3	255	1 pulse	0	0	Ejector	1.0.0
763-339	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, 1.000 mm < Paper Stack Height < = 2.000 mm, 216 mm < Paper Feed Length)	Sub Paddle Down Amount when Coated paper group, 170 gsm or heavier, 1.000 mm < paper stack height < = 2.000 mm, and 216 mm < paper feed length.	29	29	3	255	1 pulse	0	0	Ejector	1.0.0
763-340	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, 2.000 mm < Paper Stack Height < =	Sub Paddle Down Amount when Coated paper group, 170 gsm or heavier, 2.000 mm < paper stack height < =	26	26	3	255	1 pulse	0	0	Ejector	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	3.000 mm, 216 mm < Paper Feed Length)	3.000 mm, and 216 mm < paper feed length.									
763-341	Sub Paddle Down Amount (Coated G, 170 gsm or Heavier, 3.000 mm < Paper Stack Height, 216 mm < Paper Feed Length)	Sub Paddle Down Amount when Coated paper group, 170 gsm or heavier, 3.000 mm < paper stack height, and 216 mm < paper feed length.	23	23	3	255	1 pulse	0	0	Ejector	1.0.0
763-342	Sub Paddle Down Amount (With Fold Line, 364.0 mm or Shorter, Paper Stack Height < = 1.000 mm)	Sub Paddle Down Amount when with Fold Line, paper feed length 364.0 mm or shorter, and paper stack height < = 1.000 mm.	33	33	3	255	1 pulse	0	0	Ejector	1.0.0
763-343	Sub Paddle Down Amount (With Fold Line, 364.0 mm or Shorter, 1.000 mm < Paper Stack	Sub Paddle Down Amount when with Fold Line, paper feed length 364.0 mm or shorter, and 1.000 mm < paper stack	29	29	3	255	1 pulse	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Height < = 2.000 mm)	height < = 2.000 mm.									
763-344	Sub Paddle Down Amount (With Fold Line, 364.0 mm or Shorter, 2.000 mm < Paper Stack Height < = 3.000 mm)	Sub Paddle Down Amount when with Fold Line, paper feed length 364.0 mm or shorter, and 2.000 mm < paper stack height < = 3.000 mm.	26	26	3	255	1 pulse	0	0	Ejector	1.0.0
763-345	Sub Paddle Down Amount (With Fold Line, 364.0 mm or Shorter, 3.000 mm < Paper Stack Height)	Sub Paddle Down Amount when with Fold Line, paper feed length 364.0 mm or shorter, and 3.000 mm < paper stack height.	23	23	3	255	1 pulse	0	0	Ejector	1.0.0
763-346	Sub Paddle Down Amount (With Fold Line, Longer than 364.0 mm, Paper Stack Height < = 1.000 mm)	Sub Paddle Down Amount when with Fold Line, paper feed length longer than 364.0 mm, and paper stack height < = 1.000 mm.	33	33	3	255	1 pulse	0	0	Ejector	1.0.0
763-347	Sub Paddle Down Amount (With Fold	Sub Paddle Down Amount when with Fold	29	29	3	255	1 pulse	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Line, Longer than 364.0 mm, 1.000 mm < Paper Stack Height < = 2.000 mm)	Line, paper feed length longer than 364.0 mm, and 1.000 mm < paper stack height < = 2.000 mm.									
763-348	Sub Paddle Down Amount (With Fold Line, Longer than 364.0 mm, 2.000 mm < Paper Stack Height < = 3.000 mm)	Sub Paddle Down Amount when with Fold Line, paper feed length longer than 364.0 mm, and 2.000 mm < paper stack height < = 3.000 mm.	26	26	3	255	1 pulse	0	0	Ejector	1.0.0
763-349	Sub Paddle Down Amount (With Fold Line, Longer than 364.0 mm, 3.000 mm < Paper Stack Height)	Sub Paddle Down Amount when with Fold Line, paper feed length longer than 364.0 mm, and 3.000 mm < paper stack height.	23	23	3	255	1 pulse	0	0	Ejector	1.0.0
763-350	Sub Paddle Down Time (Paper Feed Length < = 216.0 mm, Weight < 106 gsm)	Sub Paddle Down Time when paper feed length < = 216.0 mm, and weight < 106 gsm.	20	20	8	200	5 ms	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-351	Sub Paddle Down Time (Paper Feed Length < = 216.0 mm, 106 gsm < = Weight < 170 gsm)	Sub Paddle Down Time when paper feed length < = 216.0 mm, and 106 gsm < = weight < 170 gsm.	20	20	8	200	5 ms	0	0	Ejector	1.0.0
763-352	Sub Paddle Down Time (Paper Feed Length < = 216.0 mm, 170 gsm < = Weight)	Sub Paddle Down Time when paper feed length < = 216.0 mm, and 170 gsm < = weight.	20	20	8	200	5 ms	0	0	Ejector	1.0.0
763-353	Sub Paddle Down Time (216.0 mm < Paper Feed Length < = 297.0 mm, Weight < 106 gsm)	Sub Paddle Down Time when 216.0 mm < paper feed length < = 297.0 mm, and weight < 106 gsm.	20	20	8	200	5 ms	0	0	Ejector	1.0.0
763-354	Sub Paddle Down Time (216.0 mm < Paper Feed Length < = 297.0 mm, 106 gsm < = Weight < 170 gsm)	Sub Paddle Down Time when 216.0 mm < paper feed length < = 297.0 mm, and 106 gsm < = weight < 170 gsm.	20	20	8	200	5 ms	0	0	Ejector	1.0.0
763-355	Sub Paddle Down Time	Sub Paddle Down Time	100	100	8	200	5 ms	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	(216.0 mm < Paper Feed Length < = 297.0 mm, 170 gsm < = Weight)	when 216.0 mm < paper feed length < = 297.0 mm, and 170 gsm < = weight.									
763-356	Sub Paddle Down Time (297.0 mm < Paper Feed Length < = 364.0 mm, Weight < 106 gsm)	Sub Paddle Down Time when 297.0 mm < paper feed length < = 364.0 mm, and weight < 106 gsm.	20	20	8	200	5 ms	0	0	Ejector	1.0.0
763-357	Sub Paddle Down Time (297.0 mm < Paper Feed Length < = 364.0 mm, 106 gsm < = Weight < 170 gsm)	Sub Paddle Down Time when 297.0 mm < paper feed length < = 364.0 mm, and 106 gsm < = weight < 170 gsm.	20	20	8	200	5 ms	0	0	Ejector	1.0.0
763-358	Sub Paddle Down Time (297.0 mm < Paper Feed Length < = 364.0 mm, 170 gsm < = Weight)	Sub Paddle Down Time when 297.0 mm < paper feed length < = 364.0 mm, and 170 gsm < = weight.	100	100	8	200	5 ms	0	0	Ejector	1.0.0
763-359	Sub Paddle Down Time (364.0 mm <	Sub Paddle Down Time when 364.0	20	20	8	200	5 ms	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Paper Feed Length, Weight < 106 gsm)	mm < paper feed length, and weight < 106 gsm.									
763-360	Sub Paddle Down Time (364.0 mm < Paper Feed Length, 106 gsm < = Weight < 170 gsm)	Sub Paddle Down Time when 364.0 mm < paper feed length, and 106 gsm < = weight < 170 gsm.	20	20	8	200	5 ms	0	0	Ejector	1.0.0
763-361	Sub Paddle Down Time (364.0 mm < Paper Feed Length, 170 gsm < = Weight)	Sub Paddle Down Time when 364.0 mm < paper feed length, and 170 gsm < = weight.	100	100	8	200	5 ms	0	0	Ejector	1.0.0
763-362	Sub Paddle Down Time (With Fold Line, With Booklet Staple, Paper Feed Length < = 364.0 mm)	Sub Paddle Down Time when with Fold Line, with Booklet Staple, and paper feed length < = 364.0 mm.	131	131	8	200	5 ms	0	0	Ejector	1.0.0
763-363	SubPaddle Down Time (With Fold Line, With Booklet Staple, 364.0	Sub Paddle Down Time when with Fold Line, with Booklet Staple, and	131	131	8	200	5 ms	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	mm < Paper Feed Length)	364.0 mm < paper feed length.									
763-379	Unstapled Set Output Speed Low 11	Lowoutput speed for set eject operation when Unstapled, paper feed length < = 181 mm, and compile number of sheets < "Unstapled Set Output Number of Sheets Threshold 1".	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-380	Unstapled Set Output Speed Low 12	Lowoutput speed for set eject operation when Unstapled, paper feed length < = 181 mm, and "Unstapled Set Output Number of Sheets Threshold 1" < compile number of sheets < "Unstapled Set	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Output Number of Sheets Threshold 2".									
763-381	Unstapled Set Output Speed Low 13	Low output speed for set eject operation when Unstapled, paper feed length < = 181 mm, and "Unstapled Set Output Number of Sheets Threshold 2" < compile number of sheets < "Unstapled Set Output Number of Sheets Threshold 3".	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-382	Unstapled Set Output Speed Low 14	Low output speed for set eject operation when Unstapled, paper feed length < = 181 mm, and "Unstapled Set Output Number of Sheets Threshold 3"	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		< = compile number of sheets.									
763-383	Unstapled Set Output Speed Low 21	Low output speed for set eject operation when Unstapled, 181 mm < paper feed length < = 216 mm, and compile number of sheets < "Unstapled Set Output Number of Sheets Threshold 1".	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-384	Unstapled Set Output Speed Low 22	Low output speed for set eject operation when Unstapled, 181 mm < paper feed length < = 216 mm, and "Unstapled Set Output Number of Sheets Threshold 1" < compile number of sheets <	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		"Unstapled Set Output Number of Sheets Threshold 2".									
763-385	Unstapled Set Output Speed Low 23	Low output speed for set eject operation when Unstapled, 181 mm < paper feed length < = 216 mm, and "Unstapled Set Output Number of Sheets Threshold 2" < compile number of sheets < "Unstapled Set Output Number of Sheets Threshold 3".	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-386	Unstapled Set Output Speed Low 24	Low output speed for set eject operation when Unstapled, 181 mm < paper feed length < = 216 mm, and	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		"Unstapled Set Output Number of Sheets Threshold 3" < = compile number of sheets.									
763-387	Unstapled Set Output Speed Low 31	Low output speed for set eject operation when Unstapled, 216 mm < paper feed length, and compile number of sheets < "Unstapled Set Output Number of Sheets Threshold 1".	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-388	Unstapled Set Output Speed Low 32	Low output speed for set eject operation when Unstapled, 216 mm < paper feed length, and "Unstapled Set Output Number of Sheets Threshold 1"	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		< compile number of sheets < "Unstapled Set Output Number of Sheets Threshold 2".									
763-389	Unstapled Set Output Speed Low 33	Lowoutput speed for set eject operation when Unstapled, 216 mm < paper feed length, and "Unstapled Set Output Number of Sheets Threshold 2" < compile number of sheets < "Unstapled Set Output Number of Sheets Threshold 3".	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-390	Unstapled Set Output Speed Low 34	Low output speed for set eject operation when Unstapled, 216 mm < paper feed length, and "Unstapled	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Set Output Number of Sheets Threshold 3" < = compile number of sheets.									
763-391	Stapled Set Output Speed Low 11	Low output speed for set eject operation when Stapled, paper feed length < = 181 mm, and compile number of sheets < "Stapled Set Output Number of Sheets Threshold 1".	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-392	Stapled Set Output Speed Low 12	Low output speed for set eject operation when Stapled, paper feed length < = 181 mm, and "Stapled Set Output Number of Sheets Threshold 1" < compile number of sheets <	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		"Stapled Set Output Number of Sheets Threshold 2".									
763-393	Stapled Set Output Speed Low 13	Low output speed for set eject operation when Stapled, paper feed length < = 181 mm, and "Stapled Set Output Number of Sheets Threshold 2" < compile number of sheets < "Stapled Set Output Number of Sheets Threshold 3".	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-394	Stapled Set Output Speed Low 14	Low output speed for set eject operation when Stapled, paper feed length < = 181 mm, and "Stapled Set Output Number of Sheets Threshold 3" < = compile	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		number of sheets.									
763-395	Stapled Set Output Speed Low 21	Low output speed for set eject operation when Sta-pled, 181 mm < paper feed length < = 216 mm, and compile number of sheets < "Stapled Set Output Number of Sheets Threshold 1".	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-396	Stapled Set Output Speed Low 22	Low output speed for set eject operation when Sta-pled, 181 mm < paper feed length < = 216 mm, and "Stapled Set Output Number of Sheets Threshold 1" < compile number of sheets < "Stapled Set Output Number of Sheets Threshold 2".	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-397	Stapled Set Output Speed Low 23	Low output speed for set eject operation when Sta-pled, 181 mm < paper feed length < = 216 mm, and "Stapled Set Output Number of Sheets Threshold 2" < compile number of sheets < "Stapled Set Output Number of Sheets Threshold 3".	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-398	Stapled Set Output Speed Low 24	Low output speed for set eject operation when Sta-pled, 181 mm < paper feed length < = 216 mm, and "Stapled Set Output Number of Sheets Threshold 3" < = compile number of sheets.	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-399	Stapled Set Output Speed Low 31	Low output speed for set eject operation when Sta-pled, 216 mm < paper feed length, and compile	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		number of sheets < "Stapled Set Output Number of Sheets Threshold 1".									
763-400	Stapled Set Output Speed Low 32	Low output speed for set eject operation when Stapled, 216 mm < paper feed length, and "Stapled Set Output Number of Sheets Threshold 1" < compile number of sheets < "Stapled Set Output Number of Sheets Threshold 2".	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-401	Stapled Set Output Speed Low 33	Low output speed for set eject operation when Stapled, 216 mm < paper feed length, and "Stapled Set Output Number of Sheets	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Threshold 2" < compile number of sheets < "Stapled Set Output Number of Sheets Threshold 3".									
763-402	Stapled Set Output Speed Low 34	Low output speed for set eject operation when Stapled, 216 mm < paper feed length, and "Stapled Set Output Number of Sheets Threshold 3" < = compile number of sheets.	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-404	Set Clamp Pull In Clutch On Adjustment Pulse (Set)	Adjusts the Clutch On Timing when pulling in the Set Clamp for set eject operation.	0	0	-100	100	1 pulse	0	0	Ejector	1.0.0
763-405	Set Clamp Pull In Clutch Off Adjustment Pulse (Set)	Adjusts the Clutch Off Timing when pulling in the Set Clamp for	0	0	-100	100	1 pulse	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		set eject operation.									
763-406	Set Clamp Push Out Clutch Off Adjust- ment Pulse (Set)	Adjusts the Clutch Off Timing when pushing out the Set Clamp for set eject operation.	0	0	-100	100	1 pulse	0	0	Ejector	1.0.0
763-408	Set Clamp Clutch Connection Time	The time until Set Clamp starts moving out after Set Clamp Clutch On.	9	9	0	255	1 ms	0	0	Ejector	1.0.0
763-409	Set Clamp Clutch Stop Time	The time taken to release (OFF) the Set Clamp Clutch.	0	0	0	255	1 ms	0	0	Ejector	1.0.0
763-410	Set Clamp Pull In Clutch Shaft Rotation Angle	The Clutch Shaft rotation angle required for pulling in the Set Clamp.	161	161	0	360	1 deg	0	0	Ejector	1.0.0
763-413	Set Eject Operation Paper Storage Wait Time (Paper Feed Length < = 216.0 mm)	The time taken for the paper trail edge to arrive at the Stacker Tray and reach the ridge after it	40	40	0	255	10 mm	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		leaves the Eject Roll during set eject operation (paper feed length < = 216.0 mm).									
763-414	Set Eject Operation Paper Storage Wait Time (Paper Feed Length > 216.0 mm)	The time taken for the paper trail edge to arrive at the Stacker Tray and reach the ridge after it leaves the Eject Roll during set eject operation (216.0 mm < paper feed length).	40	40	0	255	10 mm	0	0	Ejector	1.0.0
763-415	Stacker Tray Drop Start Point 11	Sets the position for Stacker Tray to start the drop for set eject operation when Unstapled, paper weight < 106 gsm, and paper feed length < = 185 mm (The distance from	20	20	0	128	1 mm	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Eject Roll Nip Point to paper trail edge)									
763-416	Stacker Tray Drop Start Point 12	Sets the position for Stacker Tray to start the drop for set eject operation when Unstapled, paper weight < 106 gsm, and 185 mm < paper feed length < = 297 mm (The distance from Eject Roll Nip Point to paper trail edge)	20	20	0	128	1 mm	0	0	Ejector	1.0.0
763-417	Stacker Tray Drop Start Point 13	Sets the position for Stacker Tray to start the drop for set eject operation when Unstapled, paper weight < 106 gsm, and 297 mm < paper feed length (The distance from Eject Roll Nip Point to paper trail edge)	20	20	0	128	1 mm	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-418	Stacker Tray Drop Start Point 21	Sets the position for Stacker Tray to start the drop for set eject operation when Unstapled and 106 gsm < = paper weight (The distance from Eject Roll Nip Point to paper trail edge)	20	20	0	128	1 mm	0	0	Ejector	1.0.0
763-419	Stacker Tray Drop Start Point 31	Sets the position for Stacker Tray to start the drop for set eject operation when Stapled, paper weight < 106 gsm, and paper feed length < = 185 mm (The distance from Eject Roll Nip Point to paper trail edge)	20	20	0	128	1 mm	0	0	Ejector	1.0.0
763-420	Stacker Tray Drop Start Point 32	Sets the position for Stacker Tray to	20	20	0	128	1 mm	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		start the drop for set eject operation when Stapled, paper weight < 106 gsm, and 185 mm < paper feed length < = 297 mm (The distance from Eject Roll Nip Point to paper trail edge)									
763-421	Stacker Tray Drop Start Point 33	Sets the position for Stacker Tray to start the drop for set eject operation when Stapled, paper weight < 106 gsm, and 297 mm < paper feed length (The distance from Eject Roll Nip Point to paper trail edge)	20	20	0	128	1 mm	0	0	Ejector	1.0.0
763-422	Stacker Tray Drop Start Point 41	Sets the position for Stacker Tray to start the drop for set eject	20	20	0	128	1 mm	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		operation when Stapled and 106 gsm < = paper weight (The distance from Eject Roll Nip Point to paper trail edge)									
763-424	Set Clamp Push Out Clutch Shaft Rotation Angle from Clutch On to Set Clamp Home Sensor Off	Set Clamp Push Out Clutch Shaft Rotation Angle from Clutch On to Set Clamp Home Sensor Off	140	140	1	360	1 deg	0	0	Ejector	1.0.0
763-426	Set Clamp Pull In Operation Eject Roll Speed	Sets the speed of Eject Motor at Set Clamp pull in operation.	200	200	150	650	1 mm/s	0	0	Ejector	1.0.0
763-427	Set Clamp Push Out Operation Eject Roll Speed	Sets the speed of Eject Motor at Set Clamp push out operation.	200	200	150	650	1 mm/s	0	0	Ejector	1.0.0
763-429	Sheet Output Speed Low 11	Low output speed for sheet eject operation when	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Uncoated paper group and paper feed length < = 216 mm.									
763-430	Sheet Output Speed Low 12	Low output speed for sheet eject operation when Uncoated paper group and 216 mm < paper feed length.	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-431	Sheet Output Speed Low 21	Low output speed for sheet eject operation when Coated paper group and paper feed length < = 216 mm.	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0
763-432	Sheet Output Speed Low 22	Low output speed for sheet eject operation when Coated paper group and 216 mm < paper feed length.	300	300	150	650	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-435	Set Clamp Pull In Clutch On Adjustment Pulse (Sheet)	Adjusts the Clutch On Timing when pulling in the Set Clamp for sheet eject operation.	0	0	-100	100	1 pulse	0	0	Ejector	1.0.0
763-436	Set Clamp Pull In Clutch Off Adjustment Pulse (Sheet)	Adjusts the Clutch Off Timing when pulling in the Set Clamp for sheet eject operation.	0	0	-100	100	1 pulse	0	0	Ejector	1.0.0
763-437	Set Clamp Push Out Clutch Off Adjustment Pulse (Sheet)	Adjusts the Clutch Off Timing when pushing out the Set Clamp for sheet eject operation.	0	0	-100	100	1 pulse	0	0	Ejector	1.0.0
763-439	Sheet Eject Operation Paper Storage Wait Time (Paper Feed Length < = 216.0 mm)	The time taken for the paper trail edge to arrive at the Stacker Tray and reach the ridge after it leaves the Eject Roll during sheet eject operation (paper	40	40	0	255	10 ms	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		feed length < = 216.0 mm).									
763-440	Sheet Eject Operation Paper Storage Wait Time (Paper Feed Length > 216.0 mm)	The time taken for the paper trail edge to arrive at the Stacker Tray and reach the ridge after it leaves the Eject Roll during sheet eject operation (216.0 mm < paper feed length).	40	40	0	255	10 ms	0	0	Ejector	1.0.0
763-441	Sheet Eject Operation Eject Motor Slow Down Start Wait Time Adjustment Value	Sets the wait time to start Eject Motor Slow Down when there is scheduling for subsequent paper during sheet eject operation.	10	10	0	255	100 ms	0	0	Ejector	1.0.0
763-442	Booklet Pre-Feed Transport Speed (Paper Feed Length < 364 mm)	The Booklet pre-feed transport speed when paper feed length < 364 mm.	200	200	150	400	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-443	Booklet Pre-Feed Transport Speed (364 mm < = Paper Feed Length)	The Booklet pre-feed transport speed when 364 mm < = paper feed length.	200	200	150	400	1 mm/s	0	0	Ejector	1.0.0
763-445	Booklet Small Size Transport Amount Adjustment Value (Paper Feed Length < 364 mm)	Adjusts the Booklet pre-feed transport amount when paper feed length < 364 mm.	0	0	-100	100	0.1 mm	X	0	Ejector	1.0.0
763-446	Booklet Large Size Transport Amount Adjustment Value (364 mm < = Paper Feed Length)	Adjusts the Booklet pre-feed transport amount when 364 mm < = paper feed length.	0	0	-100	100	0.1 mm	X	0	Ejector	1.0.0
763-450	Booklet Output Speed 11	Booklet output speed when paper feed length < = 330 mm and bind number of sheets < = NVM [Booklet Small Size Speed Switching Threshold].	600	600	150	650	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-451	Booklet Output Speed 12	Booklet output speed when paper feed length < = 330mm and NVM [Booklet Small Size Speed Switching Threshold] < bind number of sheets.	600	600	150	650	1 mm/s	0	0	Ejector	1.0.0
763-452	Booklet Output Speed 21	Booklet output speed when 330 mm < paper feed length and bind number of sheets < = NVM [Booklet Small Size Speed Switching Threshold].	600	600	150	650	1 mm/s	0	0	Ejector	1.0.0
763-453	Booklet Output Speed 22	Booklet output speed when 330 mm < paper feed length and NVM [Booklet Small Size Speed Switching	600	600	150	650	1 mm/s	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Threshold] < bind number of sheets.									
763-456	Switch Back Speed	The Eject Motor speed during Switch Back Control.	250	250	150	650	1 mm/s	0	0	Ejector	1.0.0
763-457	Booklet Eject Operation Paper Storage Wait Time	The time taken for the paper to arrive at the Stacker Tray during Booklet eject operation.	20	20	0	255	10 ms	0	0	Ejector	1.7.0
763-460	Folder Output Speed Low (Paper Feed Length < = 330.0 mm)	Low output speed for Folder eject operation when paper feed length < = 330.0 mm.	350	350	150	650	1 mm/s	0	0	Ejector	1.0.0
763-461	Folder Output Speed Low (330.0 mm < Paper Feed Length)	Low output speed for Folder eject operation when 330.0 mm < paper feed length.	400	400	150	650	1 mm/s	0	0	Ejector	1.0.0
763-463	Folder Eject Operation Paper Storage Wait Time	The time taken for the paper trail edge to arrive at the Stacker Tray after it	40	40	0	255	10 ms	0	0	Ejector	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		leaves the Eject Roll during Folder eject operation.									
763-464	Eject Motor Profile (Component Control)	Selects the Eject Motor profile when performing component control - Eject Motor (Forward), Eject Motor (Reverse), Set Eject, Set Clamp (Pull), and Set Clamp (Push). 1: DCBL Slow Up Down Profile 2: DCBL Slow Up Down Profile 3: DCBL Slow Up Down Profile III	1	1	1	3		0	0	Ejector	1.0.0
763-477	Sub Paddle Down Time (With Fold Line, No Booklet Staple, Paper Feed Length < = 364 mm)	Sub Paddle Down Time when with Fold Line, no Booklet Staple, and paper feed length < = 364.0 mm.	40	40	8	200	5 ms	0	0	Ejector	1.9.0
763-478	Sub Paddle Down Time	Sub Paddle Down Time when with	40	40	8	200	5 ms	0	0	Ejector	1.9.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	(With Fold Line, No Booklet Staple, 364 mm < Paper Feed Length)	Fold Line, no Booklet Staple, and 364.0 mm < paper feed length.									
763-500	FOLDER PWM Control Frequency	FOLDER PWM Control Frequency.	30	30	10	255	1 kHz	0	0	Booklet	1.0.0
763-513	Folder Initialization Operation Time	Folder Initialization Operation Time.	1000	1000	50	2000	1 ms	0	0	Booklet	1.0.0
763-514	Fold Operation Start Time Adjustment Value	Fold Operation Start Time Adjustment Value.	5	5	5	100	1 ms	0	0	Booklet	1.0.0
763-515	Folder Operation Time	Folder Operation Time.	600	600	50	2000	1 ms	0	0	Booklet	1.0.0
763-550	Slow Down Start Pulse Adjustment after Staple Move Position Sensor On	Slow Down Start Pulse Adjustment after Staple Move Position Sensor On.	10	10	0	20	1 pulse	0	0	Booklet	1.0.0
763-551	Booklet Stapler Move Size Position Operation Position Adjustment Value	Booklet Stapler Move Size Position Operation Position Adjustment Value.	14	14	1	33	1 pulse	0	0	Booklet	1.7.0
763-560	Booklet Stapler Near Low	Booklet Stapler Near Low	1800	1800	1000	2050	1 time	0	0	Booklet	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	F Detection Count	F Detection Count.									
763-561	Booklet Stapler Near Low R Detection Count	Booklet Stapler Near Low R Detection Count.	1800	1800	1000	2050	1 time	0	0	Booklet	1.0.0
763-562	Booklet Staple Small Size Staple Position Shift Operation Settings: Paper Feed Length < = 330.0 mm	Booklet Staple Small Size Staple Position Shift Operation Settings: Paper Feed Length < = 330.0 mm. 0: OFF, 1: ON	0	0	0	1		0	0	Booklet	1.0.0
763-563	Booklet Staple Small Size Staple Position Shift Operation Settings: Paper Feed Length > 330.0 mm	Booklet Staple Small Size Staple Position Shift Operation Settings: Paper Feed Length > 330.0 mm. 0: OFF, 1: ON	0	0	0	1		0	0	Booklet	1.0.0
763-564	Booklet Staple Position Shift Amount Pulse	Booklet Staple Position Shift Amount Pulse.	57	57	27	170	1 pulse	0	0	Booklet	1.0.0
763-565	Booklet Rear Staple Operation Start Time Adjustment	Booklet Rear Staple Operation Start Time Adjustment.	40	40	5	500	5 ms	0	0	Booklet	1.0.0
763-566	Booklet Stapler Motor	The additional time during	90	90	0	120	1 ms	0	0	Booklet	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	PWM Control Time Increment	Stapler Motor PWM Control.									
763-567	BOOKLET PWM Control Frequency	The control frequency of Booklet Stapler MOT PWM.	30	30	10	255	1 kHz	0	0	Booklet	1.0.0
763-568	BOOKLET_STAPLE_MOVE_MOT Strong Current Duty Setting	The Duty setting of strong current for BOOKLET_STAPLE_MOVE_MOT.	53	53	1	79	0.01	0	0	Booklet	1.0.0
763-569	BOOKLET_STAPLE_F_Count	BOOKLET_STAPLE_F_Count.	0	0	0	2059	1 time	X	X	Booklet	1.0.0
763-570	BOOKLET_STAPLE_R_Count	BOOKLET_STAPLE_R_Count.	0	0	0	2059	1 time	X	X	Booklet	1.0.0
763-577	Folder Tamping Operation Start Time (Paper Feed Length < = 364.0 mm, Weight < 106 gsm)	Folder Tamping Operation Start Time (Paper Feed Length < = 364.0 mm, Weight < 106 gsm).	330	330	10	1000	1 ms	0	0	Compiler	1.0.0
763-578	Folder Tamping Operation Start Time (Paper Feed Length < =	Folder Tamping Operation Start Time (Paper Feed Length < =	330	330	10	1000	1 ms	0	0	Compiler	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	364.0 mm, 106 gsm < = Weight)	364.0 mm, 106 gsm < = Weight).									
763-579	Folder Tamping Operation Start Time (364.0 mm < Paper Feed Length, Weight < 106 gsm)	Folder Tamping Operation Start Time (364.0 mm < Paper Feed Length, Weight < 106 gsm).	330	330	10	1000	1 ms	0	0	Compiler	1.0.0
763-580	Folder Tamping Operation Start Time (364.0 mm < Paper Feed Length, 106 gsm < = Weight)	Folder Tamping Operation Start Time (364.0 mm < Paper Feed Length, 106 gsm < = Weight).	330	330	10	1000	1 ms	0	0	Compiler	1.0.0
763-605	Hole Punch Type	0: Not set (no Hole Punch connected) 1 = JPN 2H 2 = 3H 3 = US2/3H, 4: Not set (no Hole Punch-connected) 5 = EU 2/4 H 6 = SW4H	0	0	0	6		X	0	Hole Punch	1.0.0
763-617	Home Position Reference Value	Home Position Reference Value.	160	160	0	200	1 pulse	0	0	Hole Punch	1.0.0
763-618	Home Operation Time	Home Operation Time.	200	200	50	1000	1 ms	0	0	Hole Punch	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-619	Hole Punch Operation Start Time Adjustment Value	Hole Punch Operation Start Time Adjustment Value.	0	0	0	255	1 ms	0	0	Hole Punch	1.0.0
763-620	2 Hole Punch Number of Pulses_Plain	2 Hole Punch Number of Pulses_Plain.	138	138	100	255	1 pulse	0	0	Hole Punch	1.0.0
763-621	2 Hole Punch Number of Pulses_ Heavyweight (Other than Plain)	2 Hole Punch Number of Pulses_ Heavyweight (Other than Plain).	138	138	100	255	1 pulse	0	0	Hole Punch	1.0.0
763-622	3/4 Hole Punch Number of Pulses_Plain	3/4 Hole Punch Number of Pulses_Plain.	156	156	100	255	1 pulse	0	0	Hole Punch	1.0.0
763-623	3/4 Hole Punch Number of Pulses_ Heavyweight (Other than Plain)	3/4 Hole Punch Number of Pulses_ Heavyweight (Other than Plain).	156	156	100	255	1 pulse	0	0	Hole Punch	1.0.0
763-624	Hole Punch Operation Time	Hole Punch Operation Time.	180	180	50	1000	1 ms	0	0	Hole Punch	1.0.0
763-625	Punch Scrap Container Set Time	The detection time for whether Punch Scrap Container is present.	10	10	1	20	100 ms	0	0	Hole Punch	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-626	Number of Hole Punched Sheets	The number of hole punched sheets for detection of Punch Scrap Container Near Full or Full.	0	0	0	10000	1 sheet	X	0	Hole Punch	1.0.0
763-627	Punch Full Number of Sheets Detection Threshold (Other than SW 4 Hole)	Punch Full Number of Sheets Detection Threshold.	750	750	0	1000	1 sheet	0	0	Hole Punch	1.0.0
763-628	Punch Near Full Number of Sheets Detection Threshold (Other than SW 4 Hole)	Punch Near Full Number of Sheets Detection Threshold.	500	500	0	1000	1 sheet	0	0	Hole Punch	1.0.0
763-629	Punch Full Scrap Number of Sheets Detection Threshold (SW 4 Hole)	Punch Full Number of Sheets Detection Threshold.	500	500	0	1000	1 sheet	0	0	Hole Punch	1.1.0
763-630	Punch Near Full Scrap Number of Sheets Detection Threshold (SW 4 Hole)	Punch Near Full Number of Sheets Detection Threshold.	335	335	0	1000	1 sheet	0	0	Hole Punch	1.1.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-631	Number of Hole Punched Sheets Addition Value for 106 gsm or Heavier	The addition value for Number of Hole Punched Sheets Count when the paper is 106 gsm or heavier (the number of hole punched sheets is updated by 1 + this NVM value)	1	1	0	5	1 sheet	0	0	Hole Punch	1.0.0
763-632	Full/Near Full Clear Threshold	Full/Near Full Clear Threshold.	40	40	1	100	100 ms	0	0	Hole Punch	1.0.0
763-633	Fan Motor Stop Timing	Fan Motor Stop Timing.	10	10	0	255	100 ms	0	0	Hole Punch	1.0.0
763-634	Encoder Number of Pulses (C1)	Encoder Number of Pulses (C1).	150	150	0	255	1 pulse	0	0	Hole Punch	1.0.0
763-635	Punch Scrap Container Not in Position Time	The detection time for whether Punch Scrap Container is not in position.	40	40	1	100	100 ms	0	0	Hole Punch	1.0.0
763-650	Tamper Motor Weak Current Duty Setting	The Duty setting of weak current for	7	7	1	79	0.01	0	0	Tamper	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Tamper Motor.									
763-651	Tamper Motor Strong Current Duty Setting	The Duty setting of strong current for Tamper Motor.	40	40	1	79	0.01	0	0	Tamper	1.0.0
763-652	Tamper Home Position Adjustment Value (Front)	The adjustment value of reference position for Front Tamper.	0	0	-7	20	1 pulse	0	0	Tamper	1.0.0
763-653	Tamper Home Position Adjustment Value (Rear)	The adjustment value of reference position for Rear Tamper.	0	0	-7	20	1 pulse	0	0	Tamper	1.0.0
763-654	Booklet Tamper Home Position Adjustment Value (Front)	The adjustment value of reference position for Front Tamper in Booklet Job.	0	0	-7	20	1 pulse	0	0	Tamper	1.0.0
763-655	Booklet Tamper Home Position Adjustment Value (Rear)	The adjustment value of reference position for Rear Tamper in Booklet Job.	0	0	-7	20	1 pulse	0	0	Tamper	1.0.0
763-656	Tamper Purge Number of	The purge number of sheets	2	2	1	50	1 sheet	0	0	Tamper	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Sheets Threshold	threshold value for determining the control type of Tamper Release Operation Control.									
763-657	Tamper Purge Weight Threshold	The weight threshold value for determining the control type of Tamper Release Operation Control.	100	100	1	255	1 gsm	0	0	Tamper	1.0.0
763-658	Tamper Paper Holding Operation Setting	Sets whether to perform Tamper Paper Holding Operation. 0:Perform 1: Do not perform	0	0	0	1		0	0	Tamper	1.0.0
763-659	Tamper Paper Holding Operation Weight Threshold Setting (Other than Booklet, Uncoated)	Sets the weight threshold value for Tamper Paper Holding Operation (other than Booklet, Uncoated).	221	221	52	300	1 gsm	0	0	Tamper	1.0.0
763-660	Tamper Paper Holding Operation Weight Threshold	Sets the weight threshold value for Tamper	151	151	52	300	1 gsm	0	0	Tamper	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Setting (Other than Booklet, Coated)	Paper Holding Operation (other than Booklet, Coated).									
763-661	Tamper Paper Holding Operation Weight Threshold Setting (Booklet)	Sets the weight threshold value for Tamper Paper Holding Operation (Booklet).	52	52	52	300	1 gsm	0	0	Tamper	1.0.0
763-662	Tamping Operation Push Side Wait Time	The wait time adjustment value at the push side for calculating the tamping operation adjustment time.	30	30	0	50	1 ms	0	0	Tamper	1.0.0
763-663	Silent Push Setting	The push setting when performing tamping operation. 0: Normal push 1: Silent push	0	0	0	1		0	0	Tamper	1.0.0
763-664	Tamping Operation Push Amount Adjustment Value (Front Staple)	The push amount adjustment value during Front Staple for calculating the tamping operation	0	0	-40	40		0	0	Tamper	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		movement amount.									
763-665	Tamping Operation Push Amount Adjustment Value (Rear Straight Staple)	The push amount adjustment value during Rear Staple for calculating the tamping operation movement amount.	0	0	-40	40	0.1 mm	0	0	Tamper	1.0.0
763-666	Tamping Operation Push Amount Adjustment Value (Dual Staple)	The push amount adjustment value during Dual Staple for calculating the tamping operation movement amount.	0	0	-40	40	0.1 mm	0	0	Tamper	1.0.0
763-667	Tamping Operation Push Amount Adjustment Value (Booklet)	The push amount adjustment value during Booklet for calculating the tamping operation movement amount.	0	0	-40	40	0.1 mm	0	0	Tamper	1.0.0
763-668	Normal Tamping Operation Repetition Count	Number of repetitions for Normal	0	0	0	10	1 time	0	0	Tamper	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	(Unstapled, Paper Length < = 216.0 mm)	Tamping Operation (Unstapled, paper length < = 216.0 mm).									
763-669	Normal Tamping Operation Repetition Count (Unstapled, Paper Length > 216.0 mm)	Number of repetitions for Normal Tamping Operation (Unstapled, paper length > 216.0 mm).	0	0	0	10	1 time	0	0	Tamper	1.0.0
763-670	Normal Tamping Operation Repetition Count (Stapled, Paper Length < = 216.0 mm)	Number of repetitions for Normal Tamping Operation (Stapled, paper length < = 216.0 mm).	0	0	0	10	1 time	0	0	Tamper	1.0.0
763-671	Normal Tamping Operation Repetition Count (Stapled, Paper Length > 216.0 mm)	Number of repetitions for Normal Tamping Operation (Stapled, paper length > 216.0 mm).	1	1	0	10	1 time	0	0	Tamper	1.0.0
763-672	Booklet Normal Tamping Operation Repetition Count	Number of repetitions for Booklet Normal Tamping Operation.	2	2	0	10	1 time	0	0	Tamper	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-673	Set Last Tamping Operation Repetition Count (Unstapled, Paper Length < = 216.0 mm)	Number of repetitions for Set Last Tamping Operation (Unstapled, paper length < = 216.0 mm).	0	0	0	10	1 time	0	0	Tamper	1.0.0
763-674	Set Last Tamping Operation Repetition Count (Unstapled, Paper Length > 216.0 mm)	Number of repetitions for Set Last Tamping Operation (Unstapled, paper length > 216.0 mm).	0	0	0	10	1 time	0	0	Tamper	1.0.0
763-675	Set Last Tamping Operation Repetition Count (Stapled, Paper Length < = 216.0 mm)	Number of repetitions for Set Last Tamping Operation (Stapled, paper length < = 216.0 mm).	1	1	0	10	1 time	0	0	Tamper	1.0.0
763-676	Set Last Tamping Operation Repetition Count (Stapled, Paper Length > 216.0 mm)	Number of repetitions for Set Last Tamping Operation (Stapled, paper length > 216.0 mm).	2	2	0	10	1 time	0	0	Tamper	1.0.0
763-677	Booklet Set Last Tamping	Number of repetitions for	6	6	0	10	1 time	0	0	Tamper	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Operation Repetition Count	Booklet Set Last Tamping Operation.									
763-678	Tamper Assist Operation Setting	Sets whether to perform Tamper Assist Operation. 0: Perform 1: Do not perform	0	0	0	1		0	0	Tamper	1.0.0
763-679	Tamper Assist Operation Weight Threshold Setting	The maximum weight setting when performing Tamper Assist Operation.	106	106	52	300	1 gsm	0	0	Tamper	1.0.0
763-680	Tamper Assist Operation Position Adjustment (Front)	The movement amount of Tamper Assist position.	38	38	0	155	1 pulse	0	0	Tamper	1.0.0
763-681	Tamper Assist Operation Position Adjustment (Rear)	The movement amount of Tamper Assist position.	38	38	0	155	1 pulse	0	0	Tamper	1.0.0
763-682	Tamper Assist Return Start Wait Margin Setting	The start timing of Tamper Assist Return Operation.	10	10	0	255	1 ms	0	0	Tamper	1.0.0
763-683	Tamper Return Operation Start Wait Time	Tamper Return Operation Start Wait Time.	10	10	0	255	10 ms	0	0	Tamper	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-684	Unstapled Tamping Operation Profile	Selects the profile setting of Unstapled when in Normal mode, paper feed length longer than 216.0, and tamping move amount 33 pulse or higher. 0: High Speed Profile 1: Low Speed Profile	0	0	0	1		0	0	Tamper	1.6.0
763-685	Front Staple Tamping Operation Profile	Selects the profile setting of Front Staple when in Normal mode, paper feed length longer than 216.0, and tamping move amount 33 pulse or higher. 0: High Speed Profile 1: Low Speed Profile	1	1	0	1		0	0	Tamper	1.6.0
763-686	Rear Staple Tamping Operation Profile	Selects the profile setting of Rear Staple when in Normal mode, paper feed length longer than 216.0, and tamping move amount 33 pulse or higher. 0: High Speed Profile 1: Low Speed Profile	1	1	0	1		0	0	Tamper	1.6.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-687	Dual Staple Tamping Operation Profile	Selects the profile setting of Dual Staple when in Normal mode, paper feed length longer than 216.0, and tamping move amount 33 pulse or higher. 0: High Speed Profile 1: Low Speed Profile	0	0	0	1		0	0	Tamper	1.6.0
763-700	STACKER_MOT Low Speed Drive Frequency	The Stacker Motor drive frequency during Stacker Tray rise operation and short distance drop operation.	1711	1711	1671	3820	1 Hz	0	0	Stacker Tray	1.0.0
763-701	STACKER_MOT High Speed Drive Frequency	The Stacker Motor drive frequency during Stacker Tray long distance drop operation (used for the drop operation in Set Output position move operation and Booklet	2500	2500	1671	3820	1 Hz	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Output retract position move operation).									
763-702	Wait Time after Set Clamp Push Out	Adjusts the time to wait for Height Sensor to stabilize after performing the Set Clamp push out operation.	20	20	0	100	1 ms	0	0	Stacker Tray	1.0.0
763-703	Home Position Move Amount	Adjusts the move amount for Home Position Move Operation.	296	296	100	1381	1 pulse	0	0	Stacker Tray	1.0.0
763-704	Upper Limit Fail Threshold	The time until Upper Limit Fail is detected after the Stacker Home Sensor On when Stacker Tray is rising.	800	800	200	1500	1 ms	0	0	Stacker Tray	1.0.0
763-720	Mixed Stack Application Switch	Sets whether to detect Stacker Mixed Size Full Stack. 0: Do not apply 1: Apply	1	1	0	1		X	0	Stacker Tray	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-722	Full Stack Threshold (Plain Mixed Size)	Setsthe Mixed Full Stack position when stacking only Plain.	7158	7158	1200	62500	1 pulse	0	0	Stacker Tray	1.0.0
763-723	Full Stack Threshold (Plain Large Size)	Sets the Full Stack position when stacking only Plain with maximum paper length > 216 mm.	24970	24970	1200	62500	1 pulse	0	0	Stacker Tray	1.0.0
763-724	Full Stack Threshold (Plain Small Size)	Sets the Full Stack position when stacking only Plain with maximum paper length < = 216 mm.	49938	49938	1200	62500	1 pulse	0	0	Stacker Tray	1.0.0
763-725	Full Stack Threshold (Other than Plain Mixed Size)	Sets the Mixed Full Stack position when stacking other than Plain.	7104	7104	1200	62500	1 pulse	0	0	Stacker Tray	1.0.0
763-726	Full Stack Threshold (Other than Plain Large Size)	Sets the Full Stack position when stacking other than Plain with maximum paper	14207	14207	1200	62500	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		length > 216 mm.									
763-727	Full Stack Threshold (Other than Plain Small Size)	Sets the Full Stack position when stacking other than Plain with maximum paper length < = 216 mm.	28414	28414	1200	62500	1 pulse	0	0	Stacker Tray	1.0.0
763-728	LOWER_LIMIT	Sets the position at which to clear Stacker Tray Lower Limit Fail detection.	59985	59985	1200	62500	1 pulse	0	0	Stacker Tray	1.0.0
763-729	Full Detection Clear Threshold	Sets the number of sheets at which to detect Full Stack and Mixed Full Stack.	296	296	100	500	1 sheet	0	0	Stacker Tray	1.0.0
763-730	Maximum Number of Stacked Sheets 1	Sets the number of sheets at which to detect Full Stack and Mixed Full Stack.	600	600	100	1500	1 sheet	0	0	Stacker Tray	1.0.0
763-731	Maximum Number of	Sets the number of sheets at which to	500	500	100	1500	1 sheet	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	Stacked Sheets 2	detect Full Stack and Mixed Full Stack.									
763-732	Maximum Number of Stacked Sheets 3	Sets the number of sheets at which to detect Full Stack and Mixed Full Stack.	50	50	40	150	1 sheet	0	0	Stacker Tray	1.0.0
763-733	Maximum Number of Stacked Sets 1	Sets the number of sets at which to detect Full Stack and Mixed Full Stack.	100	100	50	150	1 set	0	0	StackerTray	1.0.0
763-734	Maximum Number of Stacked Sets 2	Sets the number of sets at which to detect Full Stack and Mixed Full Stack.	75	75	50	150	1 set	0	0	Stacker Tray	1.0.0
763-735	Maximum Number of Stacked Sets 3	Sets the number of sets at which to detect Full Stack and Mixed Full Stack.	70	70	50	150	1 set	0	0	Stacker Tray	1.0.0
763-736	Maximum Number of Stacked Sets 4	Sets the number of sets at which to detect Full Stack	50	50	25	150	1 set	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		and Mixed Full Stack.									
763-740	Lightweight Small Size Compile Application Length	The paper feed length condition for whether to apply the Lightweight Small Size compile output position movement.	210	210	0	300	1 mm	0	0	Stacker Tray	1.0.0
763-741	Plain Small Size Compile Application Length	The paper feed length condition for whether to apply the Plain Small Size compile output position movement.	210	210	0	300	1 mm	0	0	Stacker Tray	1.0.0
763-742	Normal Compile Position Move Amount	Adjusts the move amount towards the compile output position. (During other than 763-743 to 744)	296	296	100	1381	1 pulse	0	0	Stacker Tray	1.0.0
763-743	Lightweight Small Size Compile Position Move Amount	Adjusts the move amount towards the compile output position. (Paper weight < 64 gsm,	296	296	100	1381	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		paper feed length < = NVM [Lightweight Small Size Compile Application Length])									
763-744	Plain Small Size Compile Position Move Amount	The move number of pulses towards the compileoutput position. (64 gsm < = Paper weight < 106 gsm, paper feed length < = NVM [Plain Small Size Compile Application Length])	296	296	100	1381	1 pulse	0	0	Stacker Tray	1.0.0
763-745	Few Sheets Corner Staple Application Number of Sheets	The bind number of sheets condition for whether to apply the Set Output position move operation during Few Sheets Corner Staple.	5	5	1	10	1 sheet	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-746	Few Sheets Corner Stapled Set Count	The number of sets count for whether to apply the Set Output position move operation during Few Sheets Corner Staple.	80	80	0	255	1 sheet	0	0	Stacker Tray	1.0.0
763-747	Normal Stapled Set Output Position Move Amount	Adjusts the move amount towards the set output position. (During other than 763-748 to 750)	296	296	100	2000	1 pulse	0	0	Stacker Tray	1.0.0
763-748	Few Sheets Corner Stapled Set Output Position Move Amount	The move number of pulses towards the set output position.(Front Single or Rear Single, bind number of sheets < = NVM [Few Sheets Corner Staple Application Number of Sheets], and NVM [Number of Sta-	1973	1973	100	2000	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		pled Sets in Paper Stack] > NVM [Few Sheets Corner Stapled Set Count])									
763-749	Unstapled Set Output Position Move Amount	Adjusts the move amount towards the set output position. (Unstapled)	296	296	100	2000	1 pulse	0	0	Stacker Tray	1.0.0
763-751	Stacker Height Readjustment Thickness	The Stacker Tray paper stack thickness adjustment value for whether to readjust the height of Stacker Tray for sheet output. When paper is stacked beyond this value, sheet output will be performed.	700	700	1	2500	1 Micro-m	0	0	StackerTray	1.0.0
763-752	Sheet Output Position Move Amount	Adjusts the move amount towards the sheet output position.	296	296	100	1381	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-760	Booklet Retract Basic Move Amount	Adjusts the move amount towards the Booklet output retract position.	9200	9200	100	16000	1 pulse	0	0	Stacker Tray	1.0.0
763-762	Booklet Staple Additional Move Amount 2 to 3 Sheets 297 mm or Shorter	Adjusts the move amount to add for Booklet Output Retract Position Move Operation. (Booklet Staple, bind number of sheets 2 to 3 sheets, paper feed length < = 297 mm)	260	260	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-763	Booklet Staple Additional Move Amount 4 to 7 Sheets 297 mm or Shorter	Adjusts the move amount to add for Booklet Output Retract Position Move Operation. (Booklet Staple, bind number of sheets 4 to 7 sheets, paper feed length < = 297 mm)	307	307	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-764	Booklet Staple Additional Move Amount 8 to 10 Sheets	Adjusts the move amount to add for Booklet Output Retract Position Move Operation.	400	400	0	800	1 pulse	0	0	Stacker Tray	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	297 mm or Shorter	(Booklet Staple, bind number of sheets 8 to 10 sheets, paper feed length < = 297 mm)									
763-765	Booklet Staple Additional Move Amount 11 to 15 Sheets 297 mm or Shorter	Adjusts the move amount to add for Booklet Output Retract Position Move Operation. (Booklet Staple, bind number of sheets 11 to 15 sheets, paper feed length < = 297 mm)	470	470	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-766	Booklet Staple Additional Move Amount 16 or more Sheets 297 mm or Shorter	Adjusts the move amount to add for Booklet Output Retract Position Move Operation. (Booklet Staple, bind number of sheets 16 or more sheets, paper feed length < = 297 mm)	587	587	0	800	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-767	Booklet Staple Additional Move Amount 2 to 3 Sheets Longer than 297 mm	Adjusts the move amount to add for Booklet Output Retract Position Move Operation. (Booklet Staple, bind number of sheets 2 to 3 sheets, paper feed length > 297 mm)	190	190	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-768	Booklet Staple Additional Move Amount 4 to 7 Sheets Longer than 297 mm	Adjusts the move amount to add for Booklet Output Retract Position Move Operation. (Booklet Staple, bind number of sheets 4 to 7 sheets, paper feed length > 297 mm)	252	252	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-769	Booklet Staple Additional Move Amount 8 to 10 Sheets Longer than 297 mm	Adjusts the move amount to add for Booklet Output Retract Position Move Operation. (Booklet Staple, bind number of sheets 8 to 10 sheets, paper feed	377	377	0	800	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		length > 297 mm)									
763-770	Booklet Staple Additional Move Amount 11 to 15 Sheets Longer than 297 mm	Adjusts the move amount to add for Booklet Output Retract Position Move Operation. (Booklet Staple, bind number of sheets 11 to 15 sheets, paper feed length > 297 mm)	470	470	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-771	Booklet Staple Additional Move Amount 16 or more Sheets Longer than 297 mm	Adjusts the move amount to add for Booklet Output Retract Position Move Operation. (Booklet Staple, bind number of sheets 16 or more sheets, paper feed length > 297 mm)	626	626	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-772	Booklet Paper Support Position Move Amount	Adjusts the Stacker Motor rise amount for Booklet Output Paper Support	3575	3575	100	5440	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Position Move Operation.									
763-780	Folder Default Acceptance Position	Adjusts the move amount towards the Folder output default acceptance position.	296	296	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-781	Folder Move Amount per 1 Sheet 297 or Shorter 60 to 70 gsm	Adjusts the move amount per 1 sheet of paper for Stacker Folder Acceptance Position Move Operation. (Paper feed length < = 297 mm, 60 gsm < = paper weight < 71 gsm)	26	26	0	160	1 pulse	0	0	Stacker Tray	1.0.0
763-782	Folder Move Amount per 1 Sheet 297 or Shorter 71 to 82 gsm	Adjusts the move amount per 1 sheet of paper for Stacker Folder Acceptance Position Move Operation. (Paper feed length < = 297 mm, 71 gsm < =	31	31	0	160	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		paper weight < 83 gsm)									
763-783	Folder Move Amount per 1 Sheet 297 or Shorter 83 to 90 gsm	Adjusts the move amount per 1 sheet of paper for Stacker Folder Acceptance Position Move Operation. (Paper feed length < = 297 mm, 83 gsm < = paper weight < 91 gsm)	40	40	0	160	1 pulse	0	0	Stacker Tray	1.0.0
763-784	Folder Move Amount per 1 Sheet 297 or Shorter 91 to 105 gsm	Adjusts the move amount per 1 sheet of paper for Stacker Folder Acceptance Position Move Operation. (Paper feed length < = 297 mm, 91 gsm < = paper weight < 106 gsm)	42	42	0	160	1 pulse	0	0	Stacker Tray	1.0.0
763-785	Folder Move Amount per 1 Sheet Longer than 297 60 to 70 gsm	Adjusts the move amount per 1 sheet of paper for Stacker Folder	26	26	0	160	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Acceptance Position Move Operation. (Paper feed length > 297 mm, 60 gsm < = paper weight < 71 gsm)									
763-786	Folder Move Amount per 1 Sheet Longer than 297 71 to 82 gsm	Adjusts the move amount per 1 sheet of paper for Stacker Folder Acceptance Position Move Operation. (Paper feed length > 297 mm, 71 gsm < = paper weight < 83 gsm)	31	31	0	160	1 pulse	0	0	Stacker Tray	1.0.0
763-787	Folder Move Amount per 1 Sheet Longer than 297 83 to 90 gsm	Adjusts the move amount per 1 sheet of paper for Stacker Folder Acceptance Position Move Operation. (Paper feed length > 297 mm, 83 gsm < = paper	40	40	0	160	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		weight < 91 gsm)									
763-788	Folder Move Amount per 1 Sheet Longer than 297 91 to 105 gsm	Adjusts the move amount per 1 sheet of paper for Stacker Folder Acceptance Position Move Operation. (Paper feed length > 297 mm, 91 gsm < = paper weight < 106 gsm)	42	42	0	160	1 pulse	0	0	Stacker Tray	1.0.0
763-790	Component Rise Drive Frequency	Sets the drive frequency when performing Stacker Motor Lift Up component control.	1711	1711	1671	3820	1 Hz	0	0	Stacker Tray	1.0.0
763-791	Component Drop Drive Frequency	Sets the drive frequency when performing Stacker Motor Lift Down component control.	2500	2500	1671	3820	1 Hz	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-792	Component Rise Move Amount	Sets the move amount when performing Stacker Motor Lift Up component control.	986	986	0	10000	1 pulse	0	0	Stacker Tray	1.0.0
763-793	Component Drop Move Amount	Sets the move amount when performing Stacker Motor Lift Down component control.	986	986	0	10000	1 pulse	0	0	Stacker Tray	1.0.0
763-797	Booklet 1st Set Additional Move Amount	Adjusts the additional move amount towards the 1st retract position during Booklet output.	2500	2500	100	16000		0	0	Stacker Tray	1.0.0
763-800	Booklet Staple Acceptance Additional Move Amount 2 to 3 Sheets 297 mm or Shorter	Adjusts the move amount to add for Booklet Output Acceptance Position Move Operation. (Booklet Staple, bind number of sheets 2 to 3 sheets, paper	150	150	0	800	1 pulse	0	0	Stacker Tray	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		feed length < = 297 mm)									
763-801	Booklet Staple Acceptance Additional Move Amount 4 to 7 Sheets 297 mm or Shorter	Adjusts the move amount to add for Booklet Output Acceptance Position Move Operation. (Booklet Staple, bind number of sheets 4 to 7 sheets, paper feed length < = 297 mm)	206	206	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-802	Booklet Staple Acceptance Additional Move Amount 8 to 11 Sheets 297 mm or Shorter	Adjusts the move amount to add for Booklet Output Acceptance Position Move Operation. (Booklet Staple, bind number of sheets 8 to 11 sheets, paper feed length < = 297 mm)	317	317	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-803	Booklet Staple Acceptance Additional Move Amount 12 to 15 Sheets	Adjusts the move amount to add for Booklet Output Acceptance Position Move Operation.	400	400	0	800	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
	297 mm or Shorter	(Booklet Staple, bind number of sheets 12 to 15 sheets, paper feed length < = 297 mm)									
763-804	Booklet Staple Acceptance Additional Move Amount 16 or more Sheets 297 mm or Shorter	Adjusts the move amount to add for Booklet Output Acceptance Position Move Operation. (Booklet Staple, bind number of sheets 16 or more sheets, paper feed length < = 297 mm)	539	539	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-805	Booklet Staple Acceptance Additional Move Amount 2 to 3 Sheets Longer than 297 mm	Adjusts the move amount to add for Booklet Output Acceptance Position Move Operation. (Booklet Staple, bind number of sheets 2 to 3 sheets, paper feed length > 297 mm)	130	130	0	800	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-806	Booklet Staple Acceptance Additional Move Amount 4 to 7 Sheets Longer than 297 mm	Adjusts the move amount to add for Booklet Output Acceptance Position Move Operation. (Booklet Staple, bind number of sheets 4 to 7 sheets, paper feed length > 297 mm)	190	190	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-807	Booklet Staple Acceptance Additional Move Amount 8 to 11 Sheets Longer than 297 mm	Adjusts the move amount to add for Booklet Output Acceptance Position Move Operation. (Booklet Staple, bind number of sheets 8 to 11 sheets, paper feed length > 297 mm)	310	310	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-808	Booklet Staple Acceptance Additional Move Amount 12 to 15 Sheets Longer than 297 mm	Adjusts the move amount to add for Booklet Output Acceptance Position Move Operation. (Booklet Staple, bind number of sheets 12 to	400	400	0	800	1 pulse	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		15 sheets, paper feed length > 297 mm)									
763-809	Booklet Staple Acceptance Additional Move Amount 16 or more Sheets Longer than 297 mm	Adjusts the move amount to add for Booklet Output Acceptance Position Move Operation. (Booklet Staple, bind number of sheets 16 or more sheets, paper feed length > 297 mm)	550	550	0	800	1 pulse	0	0	Stacker Tray	1.0.0
763-811	Paper Removal Wait Time	Adjusts the time until the Stacker Tray is allowed to rise when removing paper after Full Stack detection.	8	8	1	20	1 pulse	0	0	Stacker Tray	1.0.0
763-812	Bulge Section Collision Prevention Paper Feed Length	The threshold value of paper feed length that uses the Bulge Section Collision Prevention Move Amount	1480	1480	1000	4500	0.1 mm	0	0	Stacker Tray	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-813	Bulge Section Collision Prevention Move Amount	Bulge Section Collision Prevention Move Amount	78	78	1	200	100 pulse	0	0	Stacker Tray	1.0.0
763-814	Compile Position Move Operation Start Wait Time	Compile Position Move Operation Start Wait Time	0	0	0	100	10 ms	0	0	Stacker Tray	1.0.0
763-815	Stacker Tray Removability Assurance Height	Adjusts the move amount for Paper Removal Position Move Operation./ Adjusts the Stacker Tray rise height limit after Full Stack detection when Booklet Unit is installed.	5925	5925	0	10000	1 pulse	0	0	Stacker Tray	1.0.0
763-850	HB HA Stapler Move Motor Weak Current Duty Setting	The Duty setting of weak current for Stapler Move Motor.	7	7	1	79	0.01	0	0	Stapler	1.0.0
763-851	HB HA Stapler Move Motor Strong Current Duty Setting	The Duty setting of strong current for Stapler Move Motor.	79	79	1	79	0.01	0	0	Stapler	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-854	Stapler Motor PWM Duty Switching Count	The number of times PWM Duty had switched for Stapler Motor.	4	4	0	5	1 time	0	0	Stapler	1.0.0
763-855	Stapler Motor PWM Application Number of Sheets	The set number of sheets at which to apply PWM for Stapler Motor.	10	10	2	75	1 sheet	0	0	Stapler	1.0.0
763-856	Stapler Motor PWM 1st Level Duty Setting Value	The 1st Level Duty setting value of PWM for Stapler Motor.	100	100	1	100	0.01	0	0	Stapler	1.0.0
763-857	Stapler Motor PWM 2nd Level Duty Setting Value	The 2nd Level Duty setting value of PWM for Stapler Motor.	78	78	1	100	0.01	0	0	Stapler	1.0.0
763-858	Stapler Motor PWM 3rd Level Duty Setting Value	The 3rd Level Duty setting value of PWM for Stapler Motor.	32	32	1	100	0.01	0	0	Stapler	1.0.0
763-859	Stapler Motor PWM 4th Level Duty Setting Value	The 4th Level Duty setting value of PWM for Stapler Motor.	100	100	1	100	0.01	0	0	Stapler	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-860	Stapler Motor PWM 5th Level Duty Setting Value	The 5th Level Duty setting value of PWM for Stapler Motor.	88	88	1	100	0.01	0	0	Stapler	1.0.0
763-861	Stapler Motor PWM 6th Level Duty Setting Value	The 6th Level Duty setting value of PWM for Stapler Motor.	100	100	1	100	0.01	0	0	Stapler	1.0.0
763-862	Stapler Motor PWM Duty Change Timing 1	The Duty change timing 1 of PWM for Stapler Motor. 1 count = 1 ms	16	16	1	1000	1 ms	0	0	Stapler	1.0.0
763-863	Stapler Motor PWM Duty Change Timing 2	The Duty change timing 2 of PWM for Stapler Motor. 1 count = 1 ms	56	56	1	1000	1 ms	0	0	Stapler	1.0.0
763-864	Stapler Motor PWM Duty Change Timing 3	The Duty change timing 3 of PWM for Stapler Motor.	83	83	1	1000	1 ms	0	0	Stapler	1.0.0
763-865	Stapler Motor PWM Duty Change Timing 4	The Duty change timing 4 of PWM for Stapler Motor.	75	75	1	1000	1 ms	0	0	Stapler	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-866	Stapler Motor PWM Duty Change Timing 5	The Duty change timing 5 of PWM for Stapler Motor.	100	100	1	1000	1 ms	0	0	Stapler	1.0.0
763-867	HB HA Stapler Move Motor Drive Frequency Setting 1	The drive frequency setting 1 of Stapler Move Motor.	51	51	1	304	1step	0	0	Stapler	1.0.0
763-869	Home Position Adjustment Value	The adjustment value of reference position for Stapler.	-55	-55	-109	109	1 pulse	X	0	Stapler	1.0.0
763-870	Retract Position Adjustment Value	The adjustment value of retract position for Stapler.	1981	1981	1981	2003	1 pulse	X	0	Stapler	1.0.0
763-871	Standby Position 1 Adjustment Value (Rear Movement)	The adjustment value of standby position 1 for Stapler during the movement in rear direction.	0	0	0	372	1 pulse	X	0	Stapler	1.0.0
763-872	Standby Position 2 Adjustment Value (Rear Movement)	The adjustment value of standby position 2 for Stapler during the	0	0	-109	109	1 pulse	X	0	Stapler	1.0.0



Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		movement in rear direction.									
763-875	Staple Position Adjustment Value (Front Corner)	The adjustment value of Front Corner Staple position for Stapler.	0	0	-109	109	1 pulse	X	0	Stapler	1.0.0
763-876	Staple Position Adjustment Value (Rear Straight)	The adjustment value of Rear Straight Staple position for Stapler.	0	0	-109	109	1 pulse	X	0	Stapler	1.0.0
763-879	Staple Position Adjustment (Dual 2)	The adjustment value of Dual Staple position for Stapler.	0	0	-110	110	1 pulse	X	0	Stapler	1.0.0
763-881	Stapler Motor PWM Control Additional Time	The additional time during operation time calculation of PWM Control for Stapler Motor.	90	90	0	150	1 ms	0	0	Stapler	1.0.0
763-882	HB HA Stapler Move Motor Component Control Output Pulse Setting	The number of output pulses during component control operation for	3107	3107	1	9186	1 pulse	0	0	Stapler	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
		Stapler Move Motor.									
763-884	Stacker Stapler Near Low Detection Count	The setting value for number of times of Near Low detection of Stacker Stapler (Edge-bind).	0	0	0	5100	1 time	X	X	Stapler	1.0.0
763-885	Stacker Stapler Near Low Detection Threshold	The threshold value for Near Low detection of Stacker Stapler (Edge-bind).	4500	4500	4500	5000	1 time	0	0	Stapler	1.0.0
763-887	HB HA Stapler Move Motor Drive Frequency Setting 2	The drive frequency setting 2 of Stapler Move Motor.	97	97	1	97	1step	0	0	Stapler	1.0.0
763-889	Standby Position 1 Adjustment Value (Front Movement)	The adjustment value of standby position 1 for Stapler.	0	0	0	372	1 pulse	X	0	Stapler	1.0.0
763-890	Standby Position 2 Adjustment Value (Front Movement)	The adjustment value of standby position 2 for Stapler.	0	0	-109	109	1 pulse	X	0	Stapler	1.0.0

Chain-Link	NVM Name	Description	Default Value FX	Default Value APO	Range (Minimum Value)	Range (Maximum Value)	Units	Initialization Possible	Write Allowed/Protected	Parts Name	Auto Initialize Version
763-893	HB HA Stapler Move Motor Medium Current Duty Setting	The Duty setting of medium current for Stapler Move Motor.	60	60	1	79	0.01	0	0	Stapler	1.0.0
763-964	Drive Direction Switch Time	The wait time when switching the drive direction.	5	5	1	255	10 ms	0	0	Stapler	1.0.0

---

# 7 Wiring Data

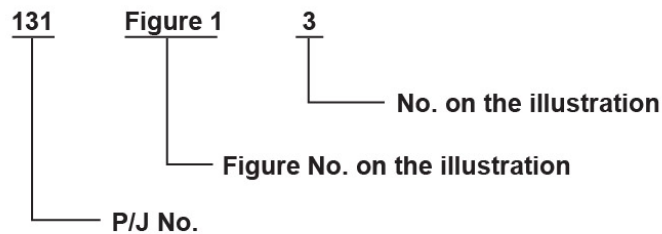
<b>Plug/Jack Locations</b> .....	<b>262</b>
Plug/Jack Locations .....	262
Plug/Jack Location List (Office Finisher).....	262
Finisher Plug/Jack Locations .....	264
<b>Wire Network</b> .....	<b>270</b>
Wire Network .....	270
<b>Block Schematic Diagrams</b> .....	<b>286</b>
BSD (Block Schematic Diagram).....	286

## Plug/Jack Locations

### How to Use the Plug/Jack Location List

- To find which position to install specific connectors, refer to the Plug/Jack Location List table. 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.
- P/J No. on “7.1.x.1 Plug/Jack Location List” is expressed in the four ways below :
  - J250 represents Jack 250.
  - P250 represents Plug 250.
  - CN1 represents Connector 1.
  - FS1 represents Faston Terminal 1.

#### Example:



F-1.0347.A

Figure 1

### Plug/Jack Location List (Office Finisher)

P/J No.	Figure No.	Item	Remarks (Connection destination)
P/J8494	1	5	Punch Motor
P/J8700	9	14	Finisher Main PWB
P/J8701	9	11	Finisher Main PWB
P/J8702	9	12	Finisher Main PWB
P/J8702C	9	12	Finisher Main PWB (w/o Booklet)
P/J8703	9	13	Finisher Main PWB
P/J8704	9	16	Finisher Main PWB
P/J8705	9	9	Finisher Main PWB
P/J8706	9	8	Finisher Main PWB
P/J8707	9	15	Finisher Main PWB
P/J8708	9	10	Finisher Main PWB
P/J8709	9	4	Finisher Main PWB
P/J8710	9	3	Finisher Main PWB
P/J8711	9	6	Finisher Main PWB
P/J8712	9	7	Finisher Main PWB
P/J8713	9	17	Finisher Main PWB
P/J8714	9	2	Finisher Main PWB
P/J8715	9	5	Finisher Main PWB
P/J8731	7	5	Finisher Entrance Sensor
P/J8732	7	4	Compile Exit Sensor
P/J8733	7	2	Eject Cam Home Sensor

P/J No.	Figure No.	Item	Remarks (Connection destination)
P/J8734	3	4	Set Clamp Home Sensor
P/J8735	9	18	Stacker Home Sensor
P/J8736	3	3	Stacker Height Sensor
P/J8739	3	6	Eject Cover Switch
P/J8740	7	3	Finisher Front Door Switch
P/J8742	7	1	Eject Lift Motor
P/J8743	3	1	Eject Motor
P/J8744	3	2	Finisher Transport Motor
P/J8745	9	1	Stacker Motor
P/J8746	3	5	Set Clamp Clutch
P/J8748	4	1	Compile Tray No Paper Sensor
P/J8749	4	5	Rear Tamper Home Sensor
P/J8750	4	2	Front Tamper Home Sensor
P/J8751	4	4	Front Tamper Motor
P/J8752	4	3	Rear Tamper Motor
P/J8754	5	6	Stapler Move Position Sensor (Stapler)
P/J8755	5	7	Staple Move Motor
P/J8756	5	1	Stapler Assembly
P/J8757	5	2	Stapler Assembly

P/J No.	Figure No.	Item	Remarks (Connection destination)
P/J8759	1	2	H-Transport Entrance Sensor
P/J8760	1	8	H-Transport Open Sensor
P/J8761	1	1	H-Transport Motor
P/J8762	1	7	Connector (11 pin)
P/J8776	5	3	Staple FFC PWB
P/J8777	5	4	Staple FFC PWB
P/J8778	5	5	Staple FFC PWB
P/J8781	1	6	Punch PWB
P/J8782	1	4	Punch PWB
P/J8784	1	3	Punch PWB
P/J8791	2	1	Punch Home Sensor
P/J8792	2	2	Punch Dust Box Set Sensor
P/J8793	2	3	Punch Encoder Sensor
P/J8801	11	12	Booklet PWB
P/J8802	11	11	Booklet PWB
P/J8803	11	7	Booklet PWB
P/J8804	11	8	Booklet PWB
P/J8805	11	13	Booklet PWB
P/J8806	11	6	Booklet PWB
P/J8807	11	5	Booklet PWB
P/J8811	11	9	Booklet PWB

P/J No.	Figure No.	Item	Remarks (Connection destination)
P/J8821	12	5	Booklet Stapler Move Home Sensor
P/J8822	12	4	Booklet Stapler Move Position Sensor
P/J8823	12	3	Connector (7 pin)
P/J8824	12	1	Connector (7 pin)
P/J8826	11	10	Option Switch
P/J8827	11	2	Booklet Cover Open Switch
P/J8828	11	1	Booklet Front Safety Switch
P/J8829	11	4	Booklet Rear Safety Switch
P/J8830	11	15	Booklet Front Stapler Assembly
P/J8831	11	3	Booklet Rear Stapler Assembly
P/J8896	12	2	Connector (6 pin)
P/J8903	8	2	Connector (7 pin)
P/J8904	8	3	Folder Knife Home Sensor
P/J8905	8	1	Folder Knife Motor
P/J8906	11	14	Booklet Staple Move Motor

## Finisher Plug/Jack Locations

### Locations

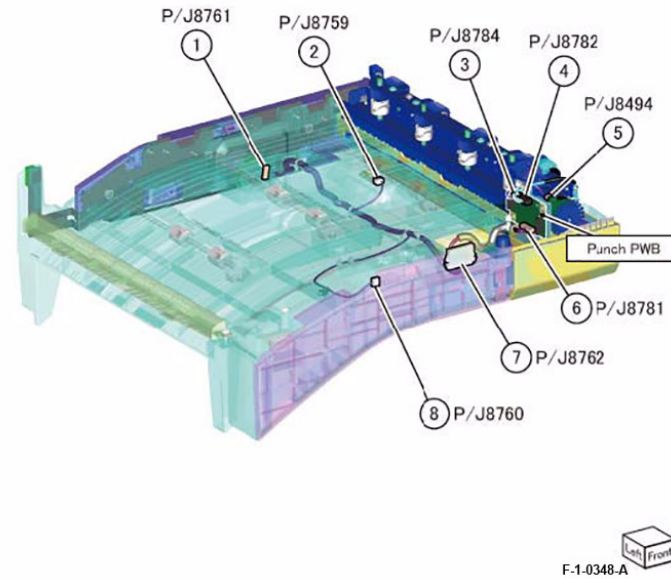


Figure 1 H-Transport Assembly, Punch Assembly

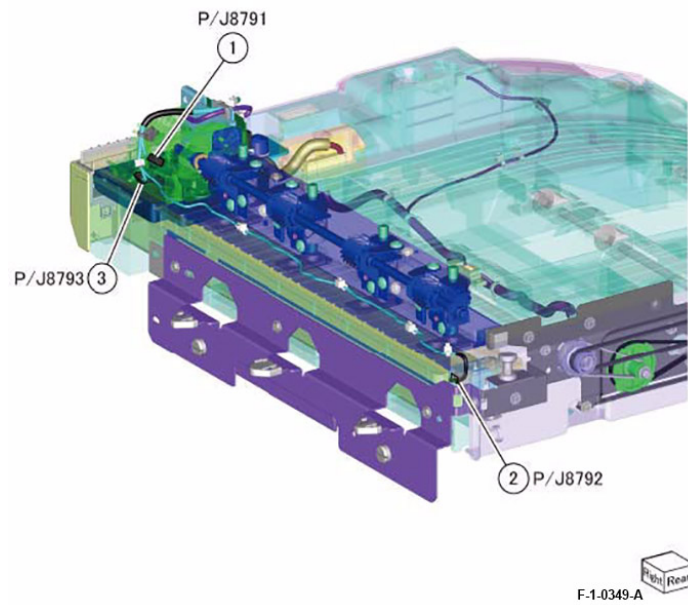


Figure 2 Punch Assembly (Option)

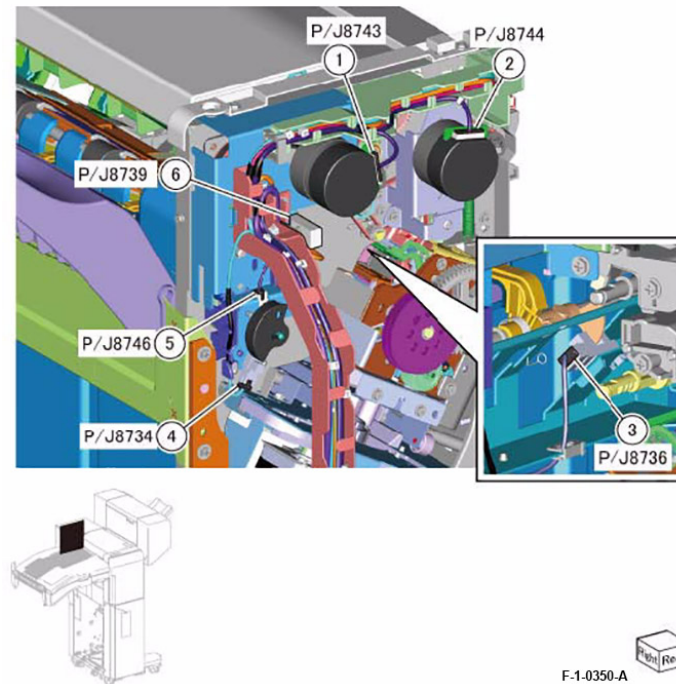


Figure 3 Eject Motor Drive Assembly, Transport Main Drive Assembly



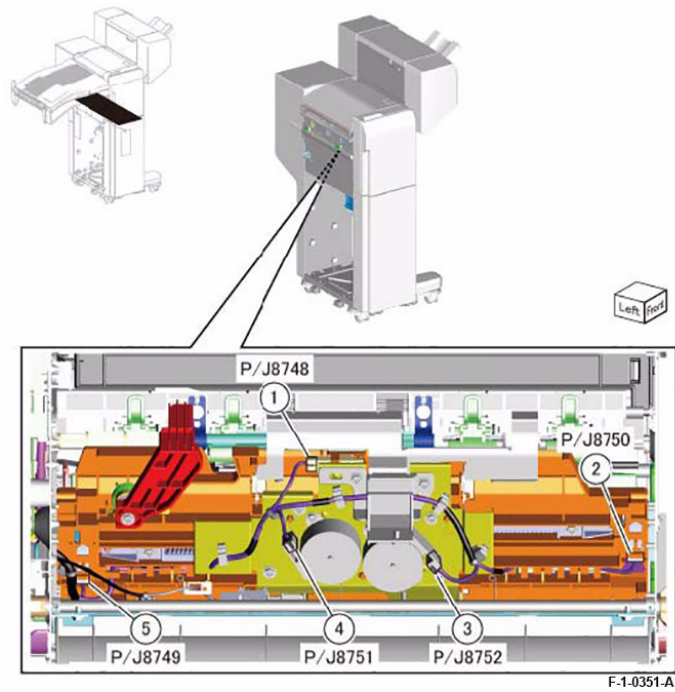


Figure 4 Compile Tray Assembly

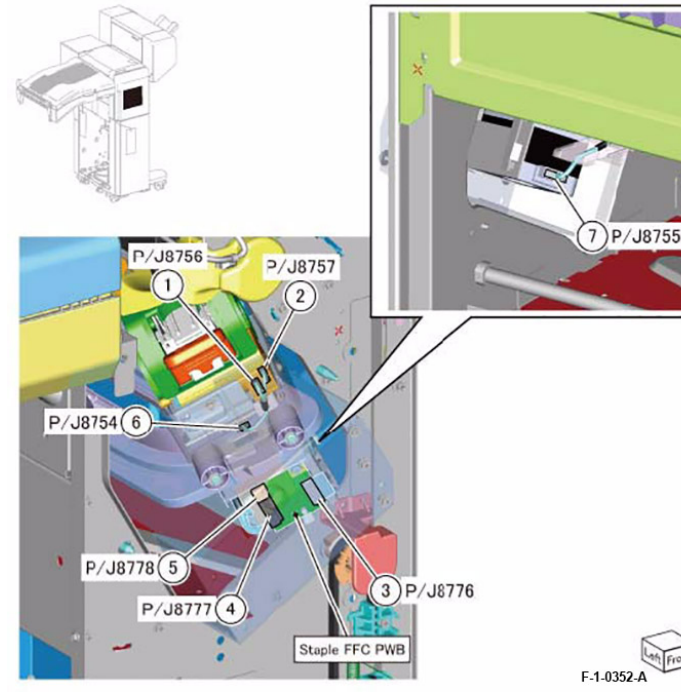


Figure 5 Stapler Assembly

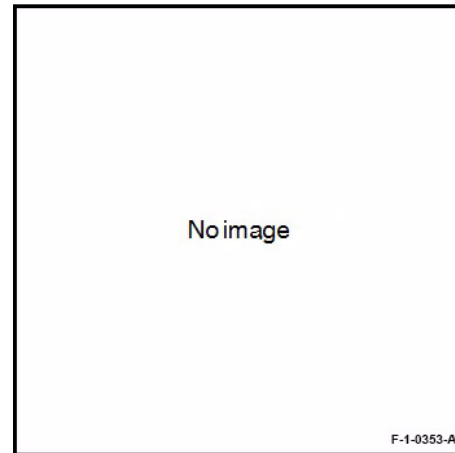


Figure 6 Intentionally Blank

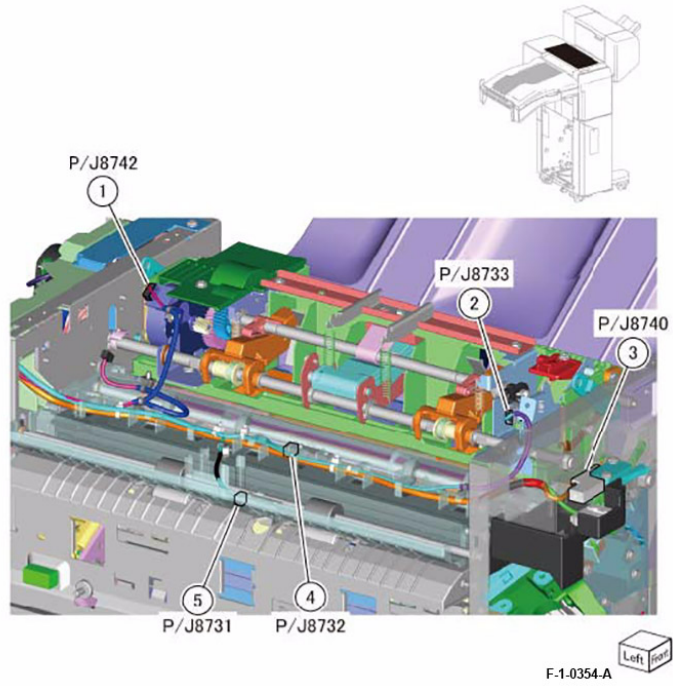


Figure 7 Eject Assembly

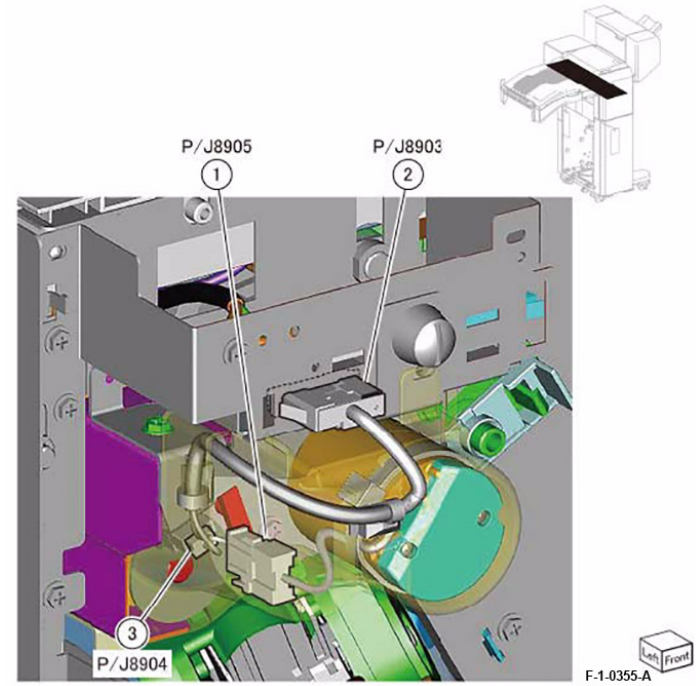


Figure 8 Folder Assembly

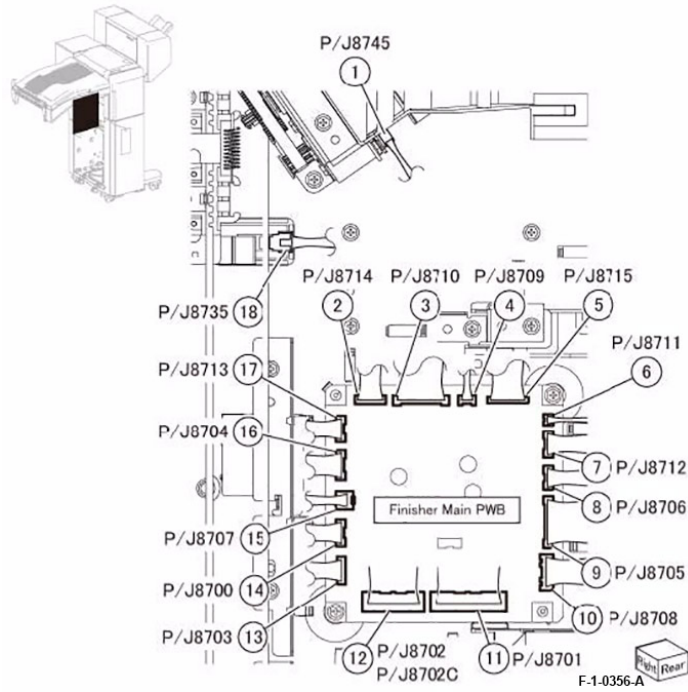


Figure 9 Finisher Main PWB

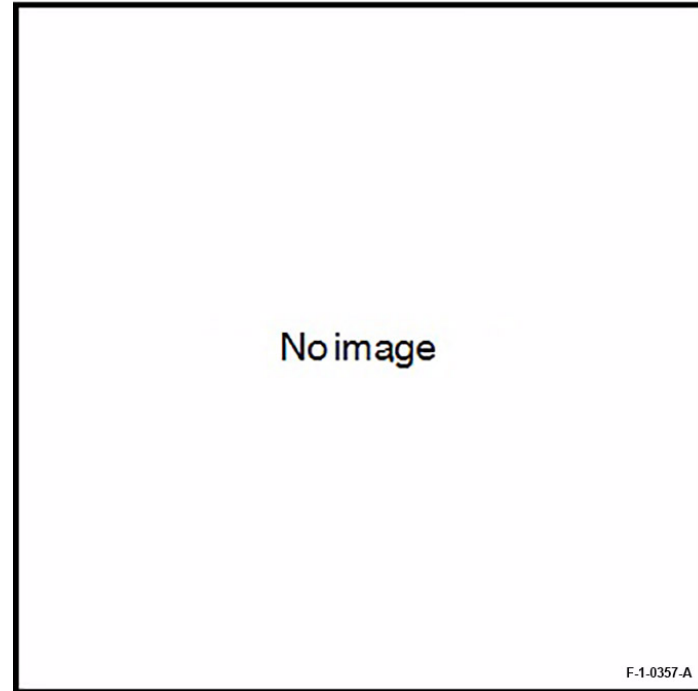


Figure 10 Intentionally Blank

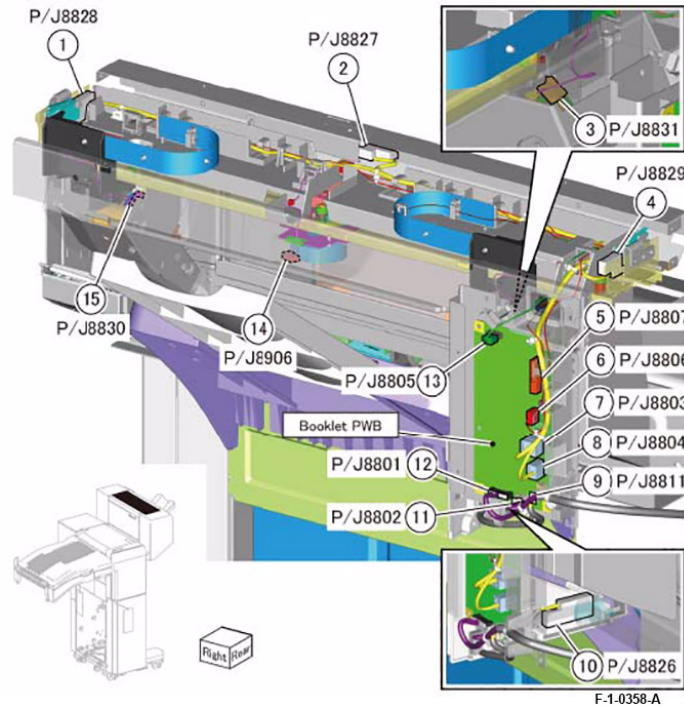


Figure 11 Booklet Assembly 1 of 2

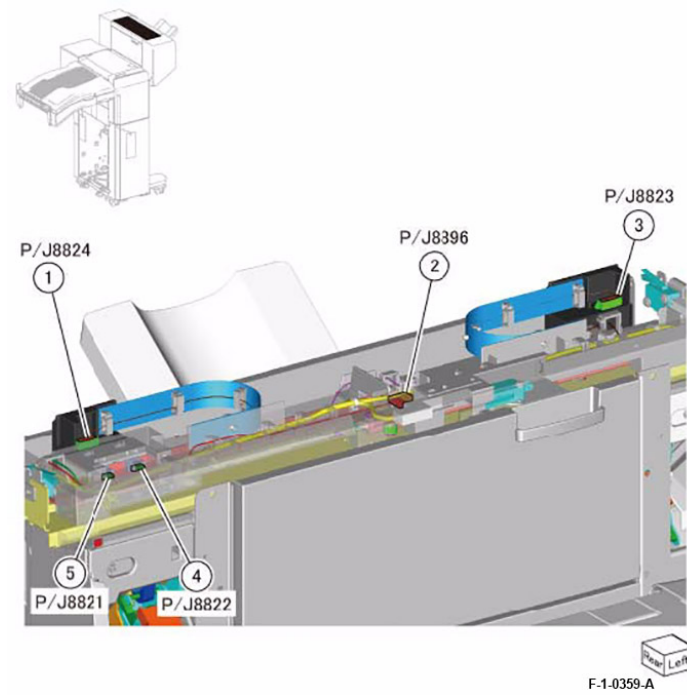


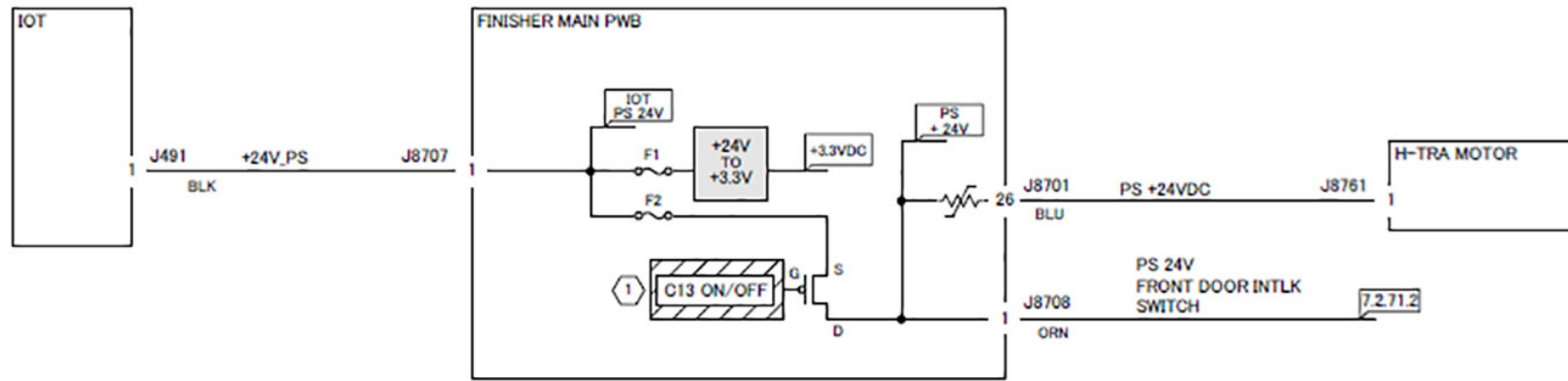
Figure 12 Booklet Assembly 2 of 2

## Wire Network

### Office Finisher

## 7.2.71 FINISHER-B3

### 7.2.71.1 +24VDC



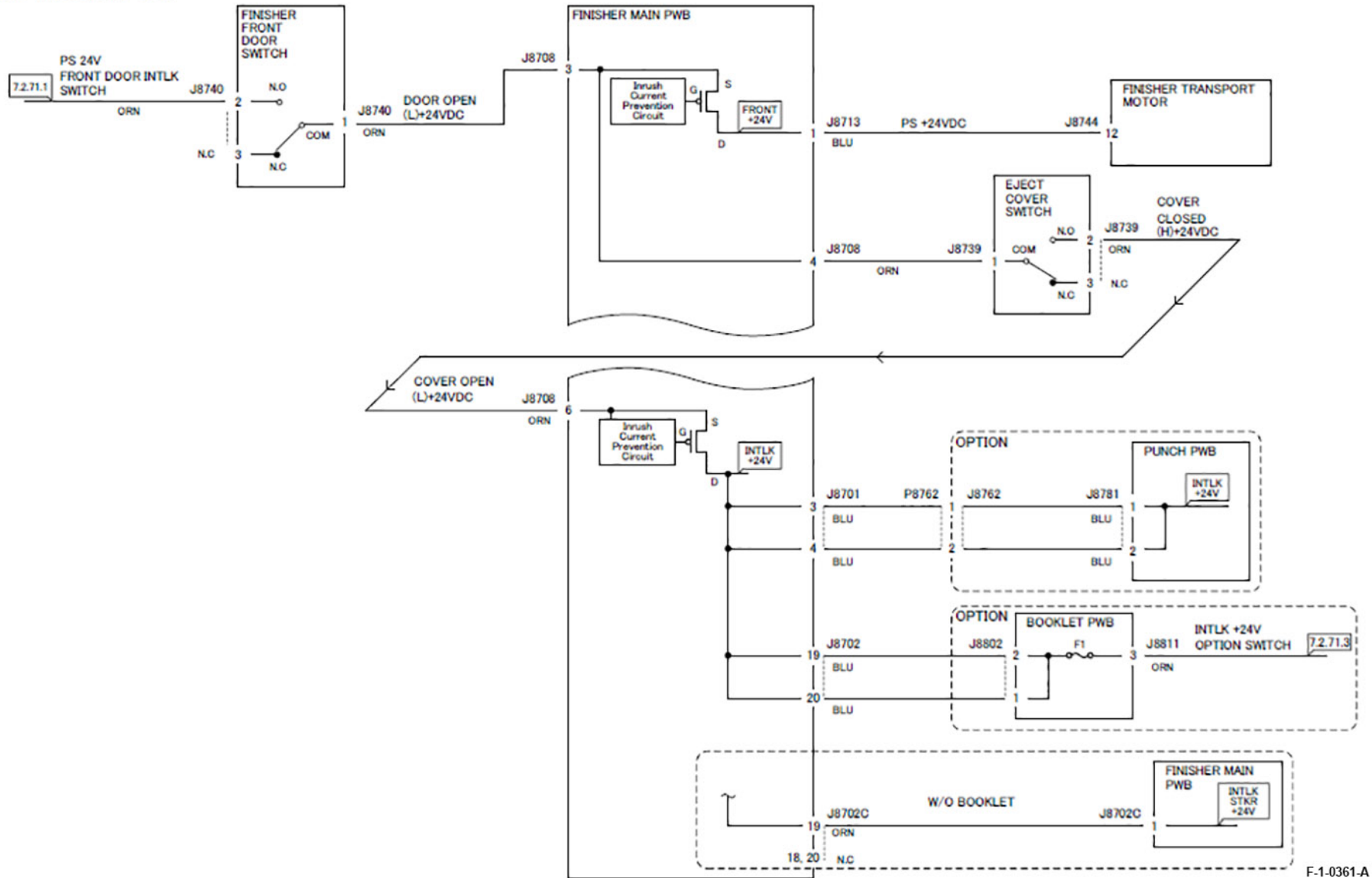
#### NOTE:

- ① C13 CUTS OFF THE +24 V POWER SUPPLY AT THE OCCURRENCE OF SUB SYSTEM FAIL.  
 (FOR THE FAIL, REFER TO [CHAPTER 2 TROUBLESHOOTING])  
 HOWEVER, IF THE CE IS IN DIAG MODE, THIS WILL CONTINUE CONDUCTING.

F-1-0360-A

Figure 1 Office Finisher +24VDC

7.2.71.2 INTLK +24V

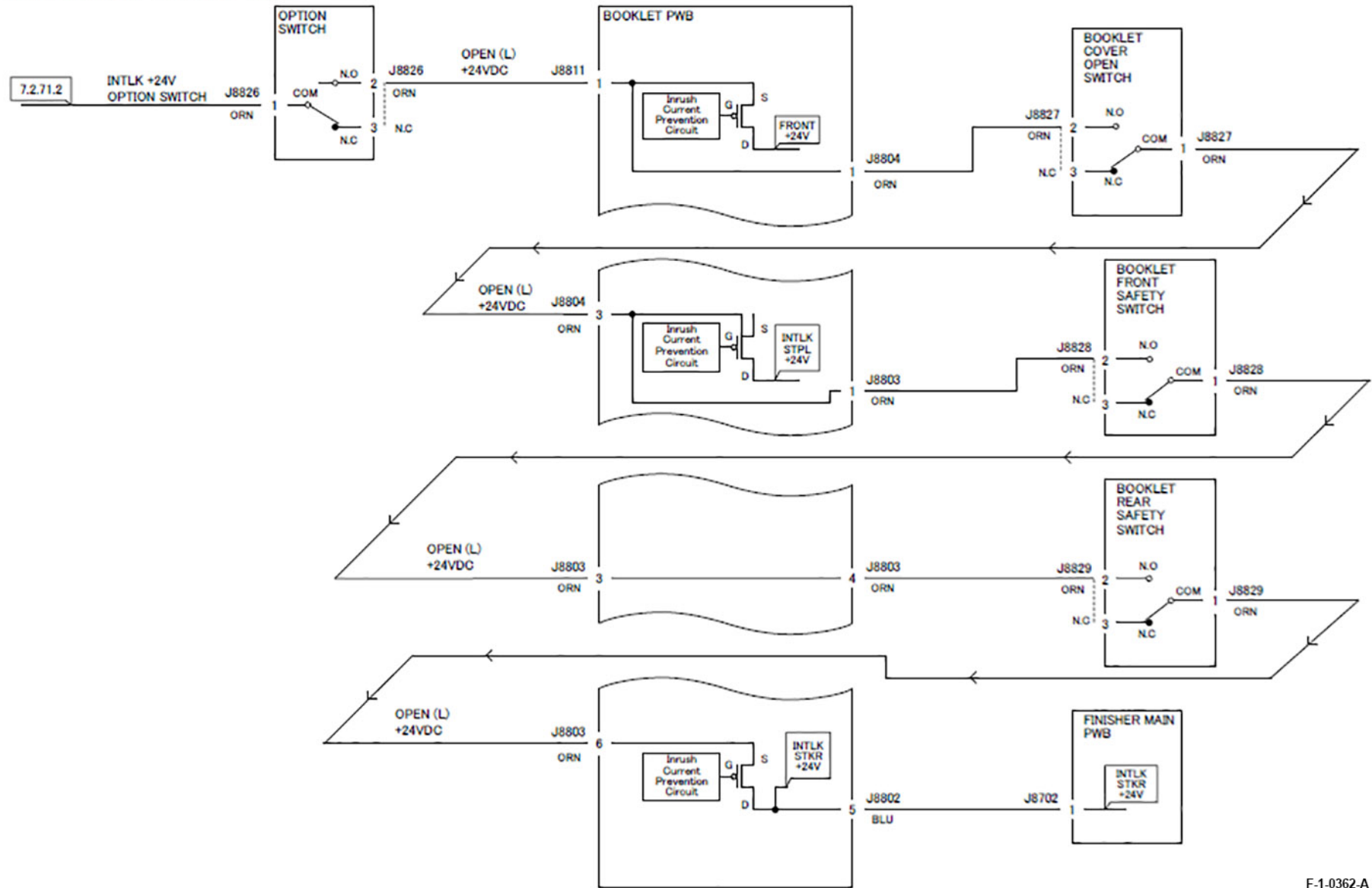


F-1.0361-A

Figure 2 INTLK +24V



7.2.71.3 INTLK +24V (OPTION)



F-1-0362-A

Figure 3 INTLK +24V (OPTION)



## 7.2.71.4 INTLK +24V

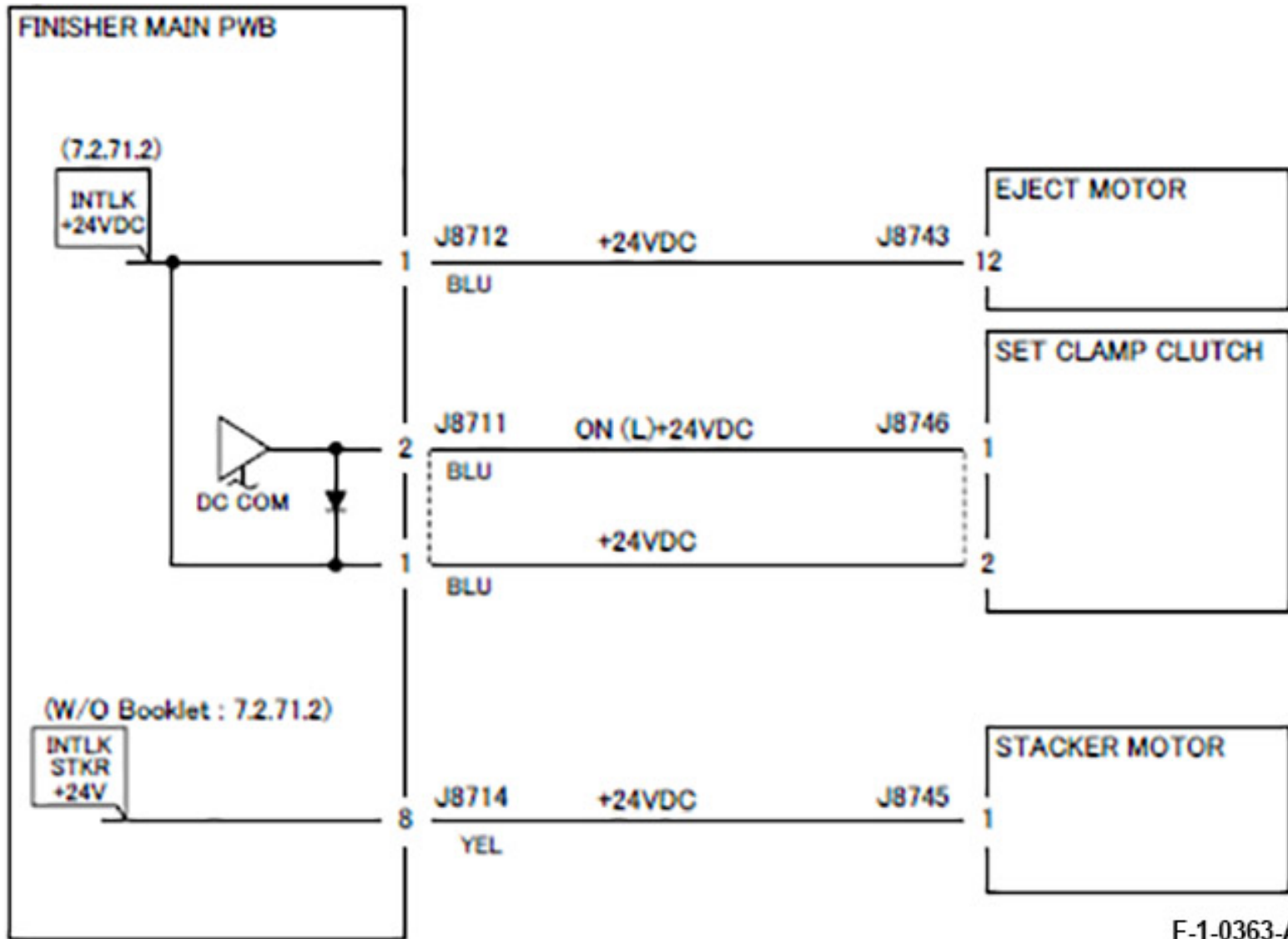
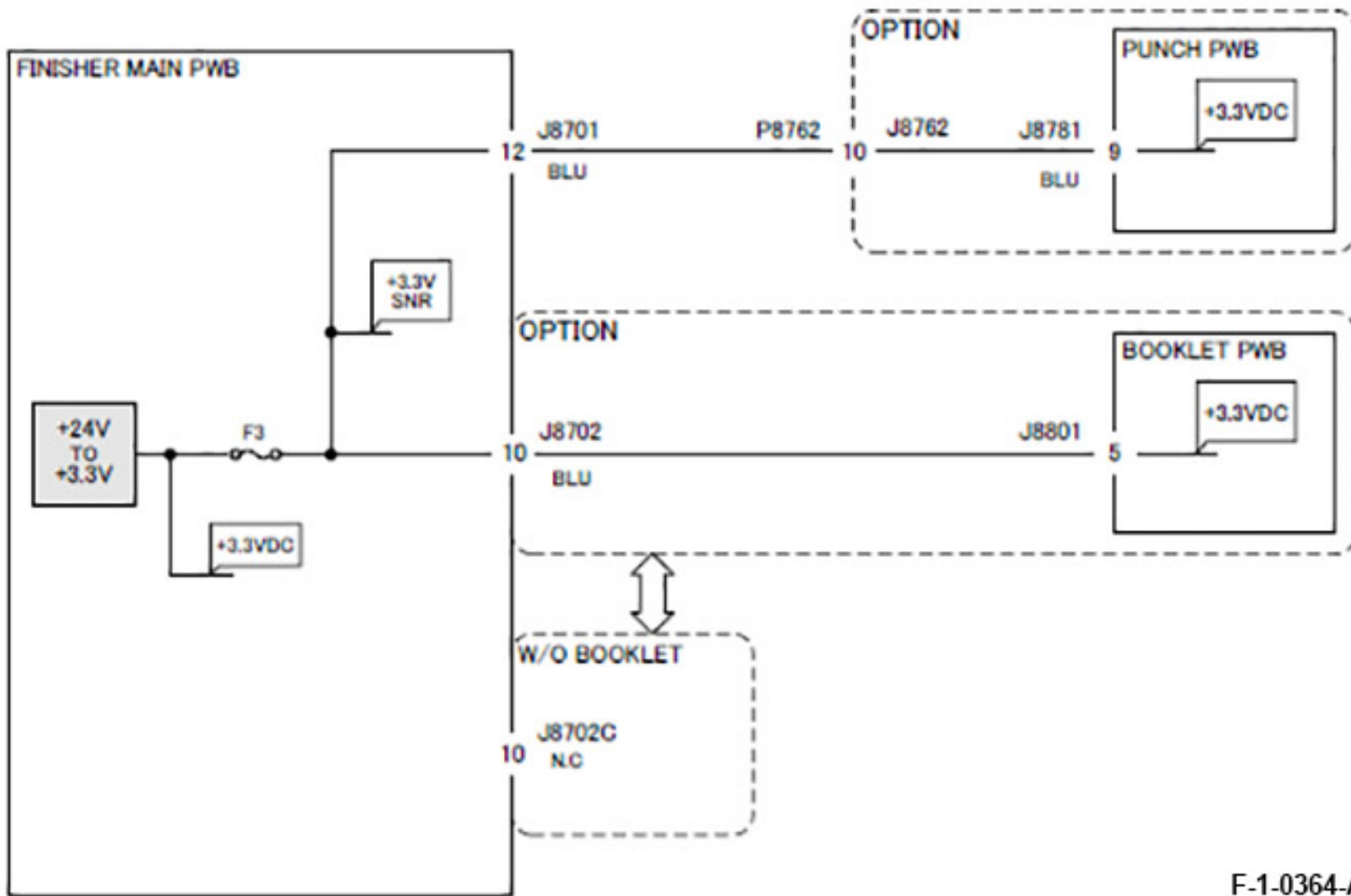


Figure 4 INTLK +24V

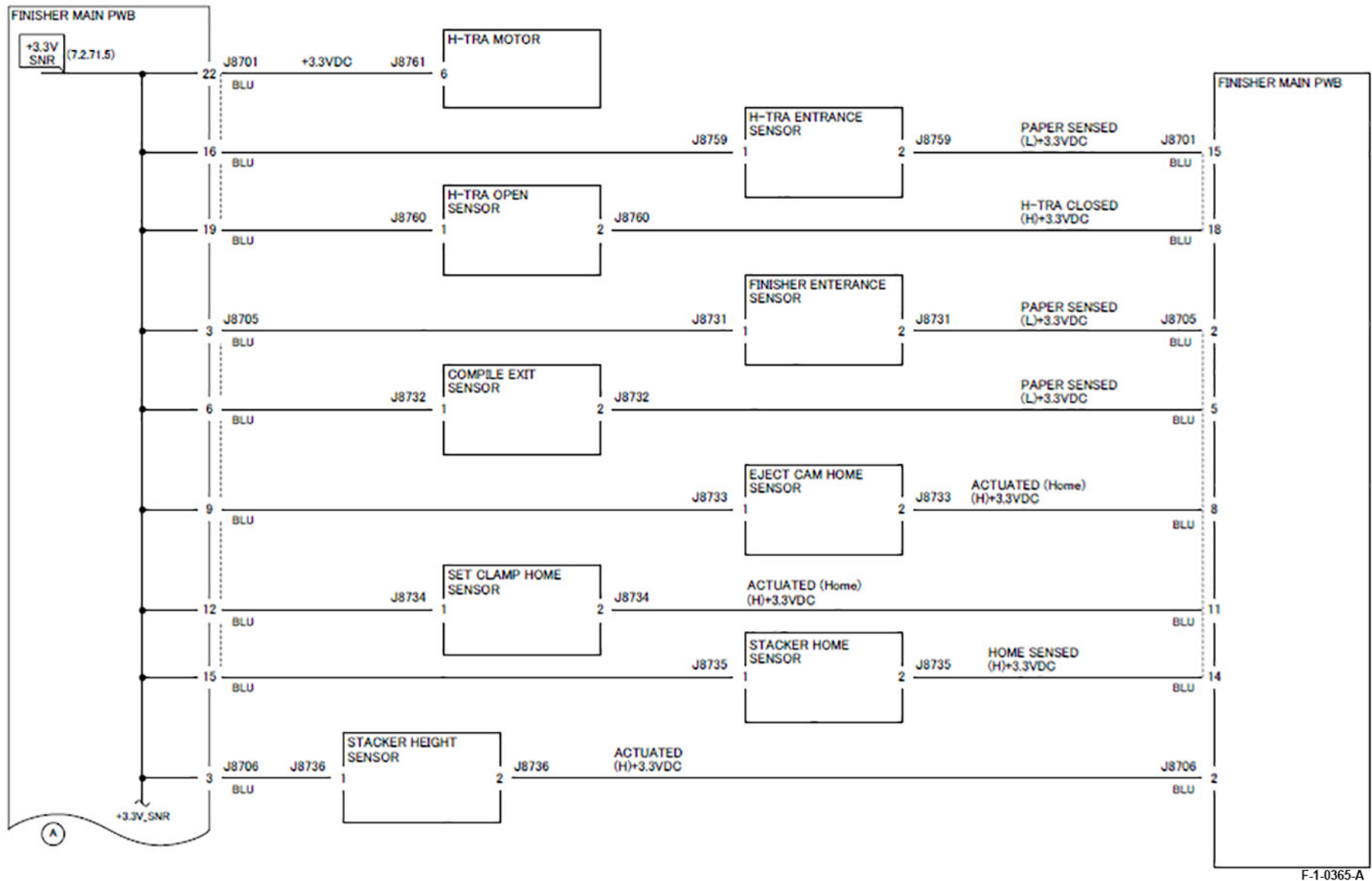
# 7.2.71.5 +3.3VDC



F-1-0364-A

Figure 5 +3.3VDC

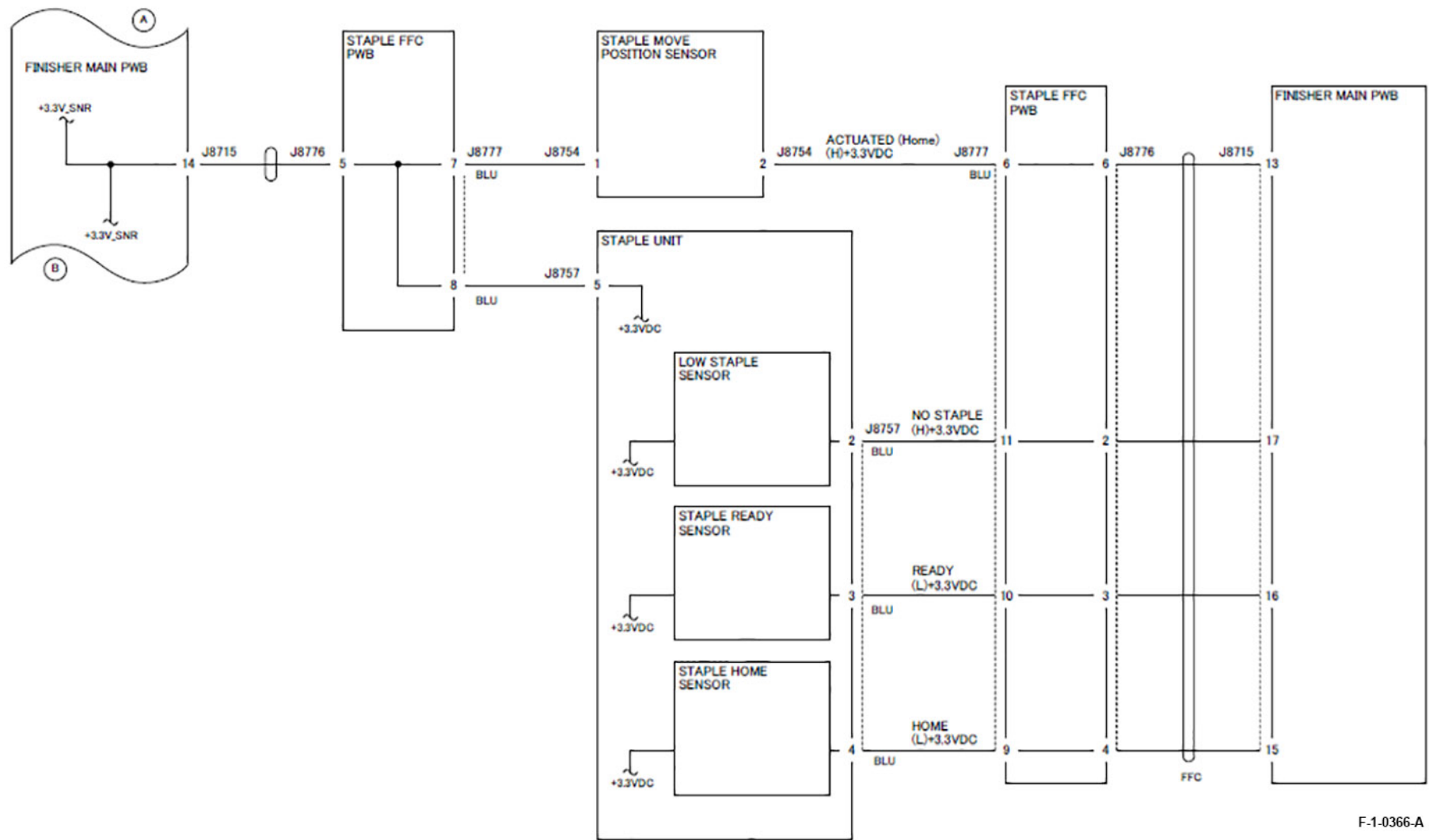
7.2.71.6 +3.3VDC



F-1-0365-A

Figure 6 +3.3VDC

7.2.71.7 +3.3VDC



F-1-0366-A

Figure 7 +3.3VDC

7.2.71.8 +3.3VDC

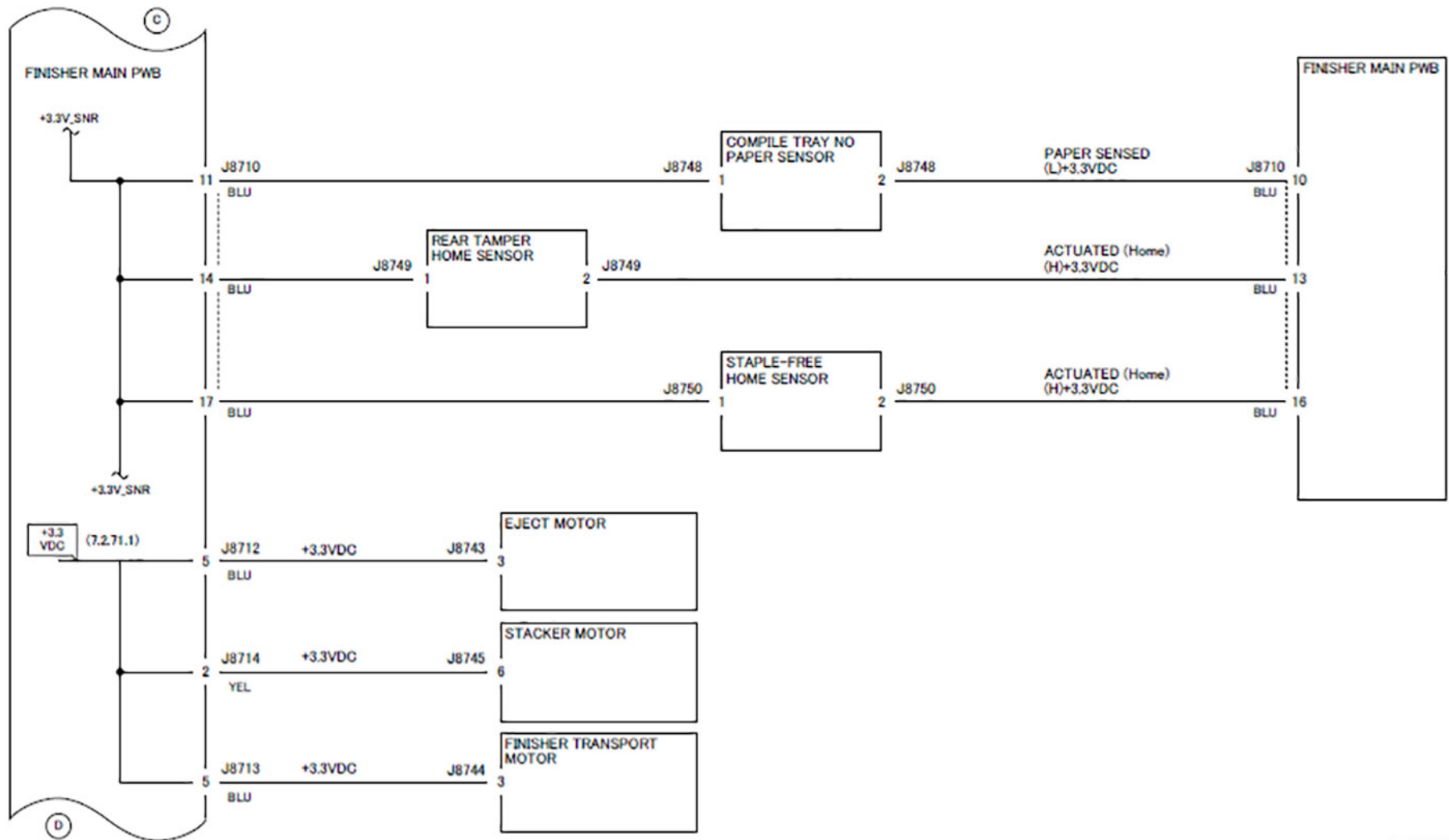
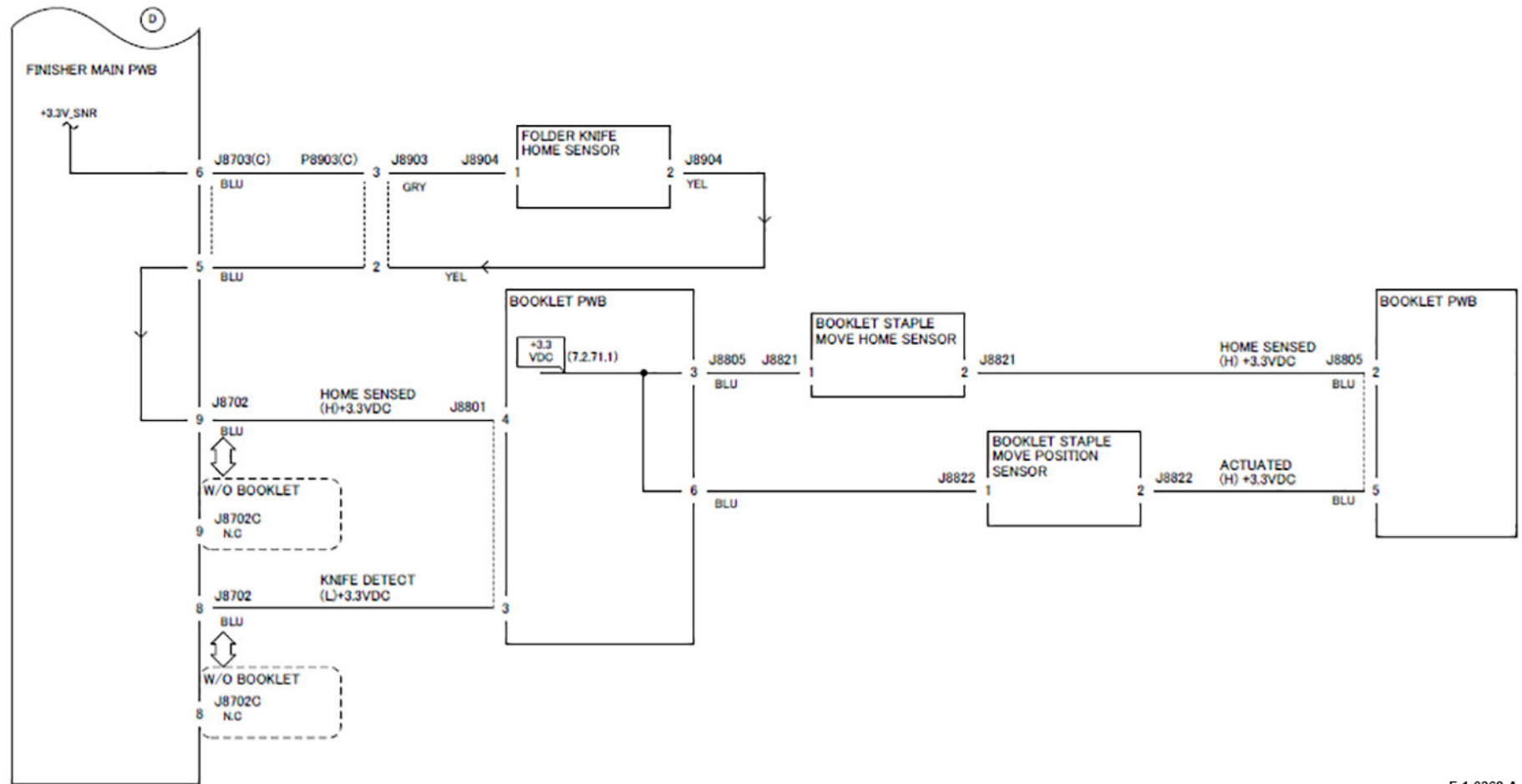


Figure 8 +3.3VDC

F-1-0367-A

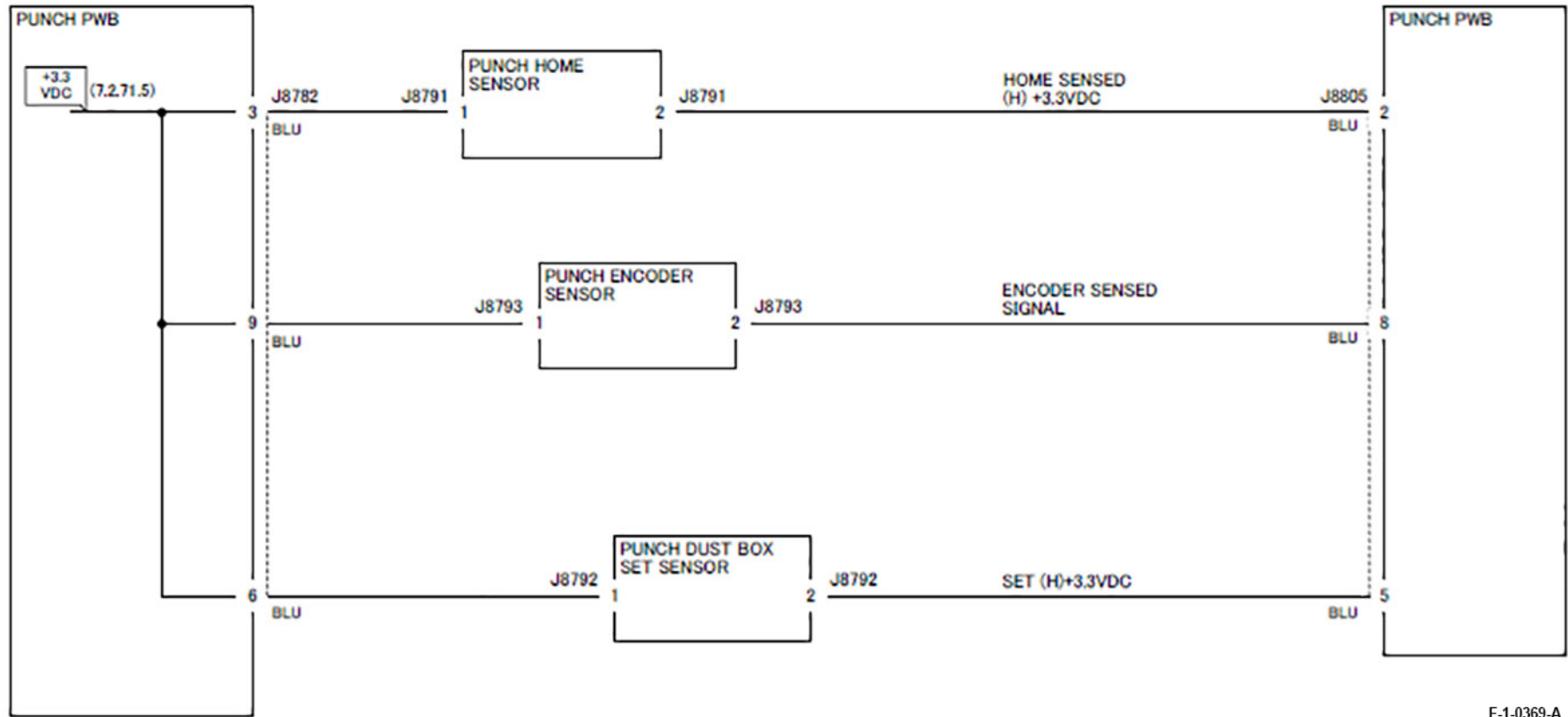
7.2.71.9 +3.3VDC (OPTION)



F-1-0368-A

Figure 9 +3.3VDC (OPTION)

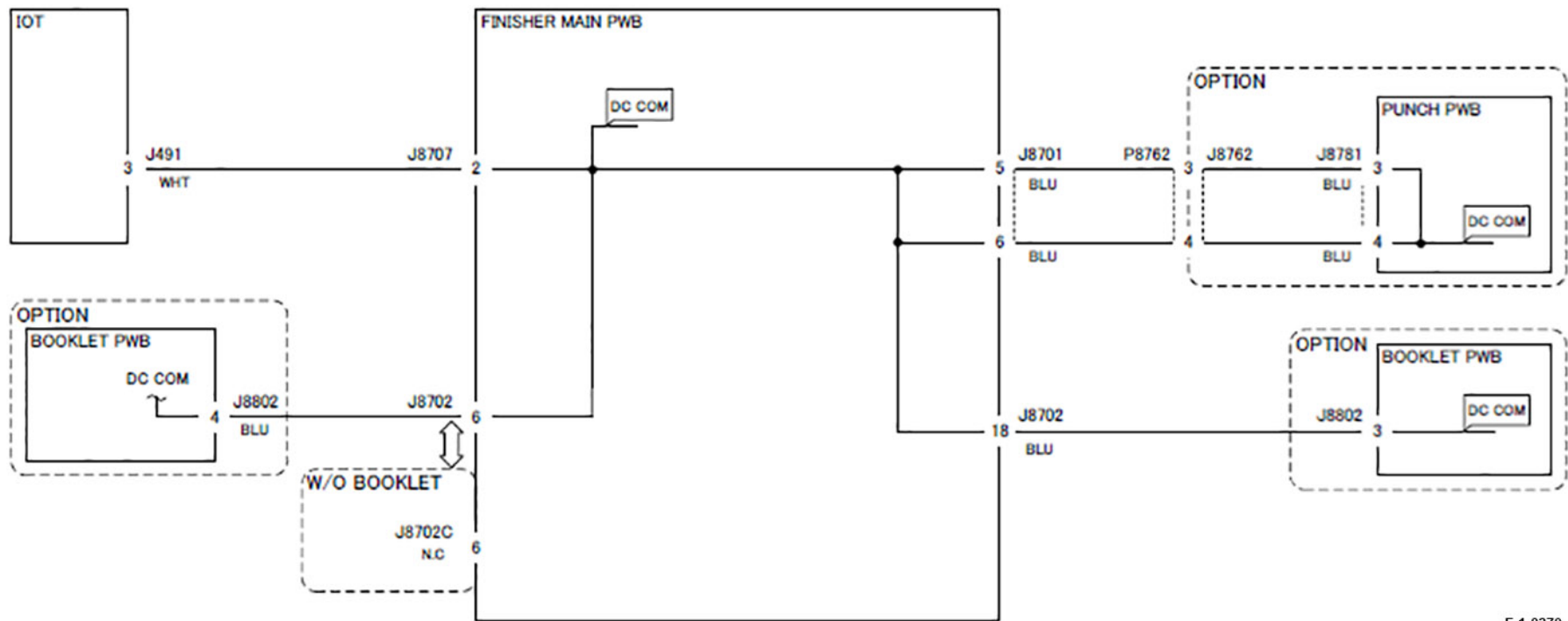
### 7.2.71.10 +3.3VDC (OPTION)



F-1-0369-A

Figure 10 +3.3VDC (OPTION)

### 7.2.71.11 DC COM 24V

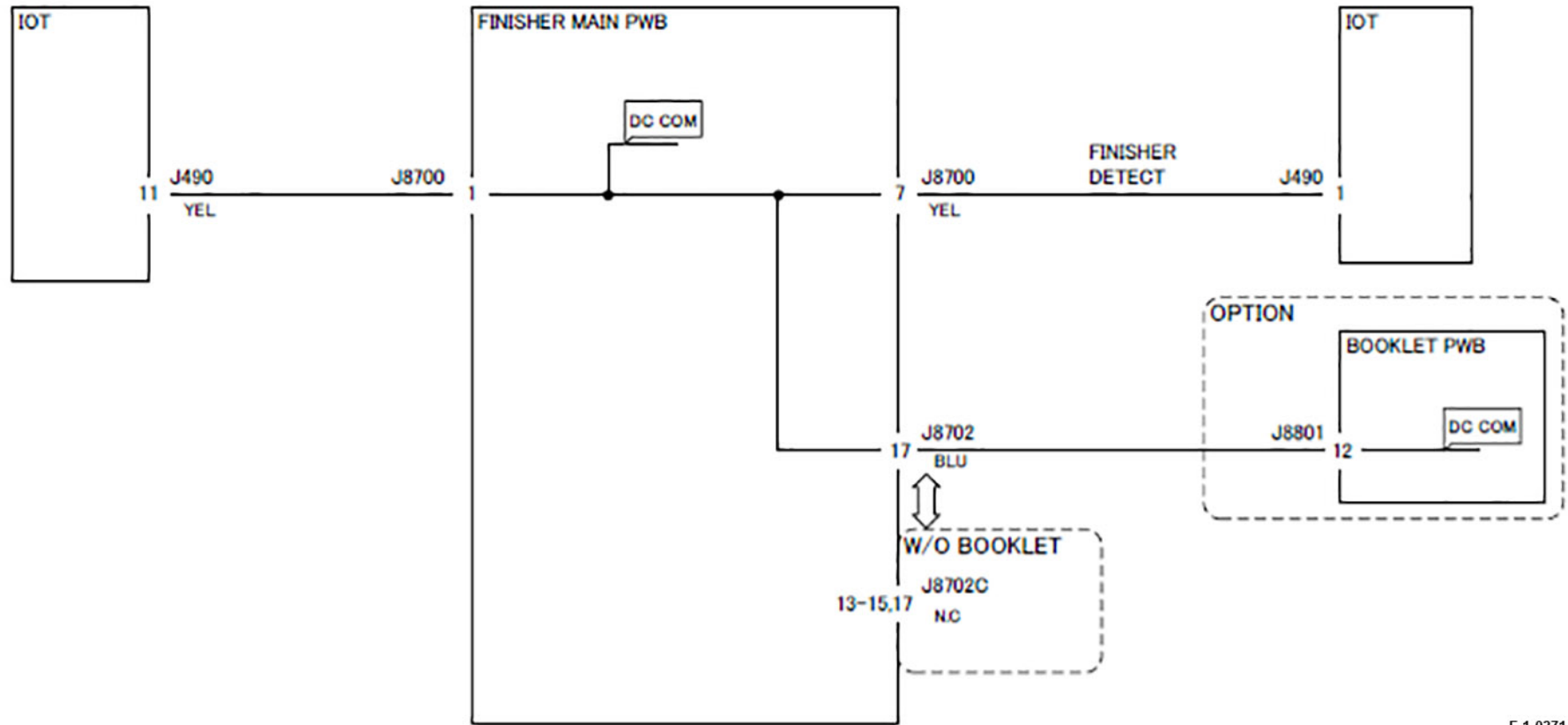


F-1-0370-A

Figure 11 DC COM 24V



### 7.2.71.12 DC COM



F-1-0371-A

Figure 12 DC COM

7.2.71.13 DC COM

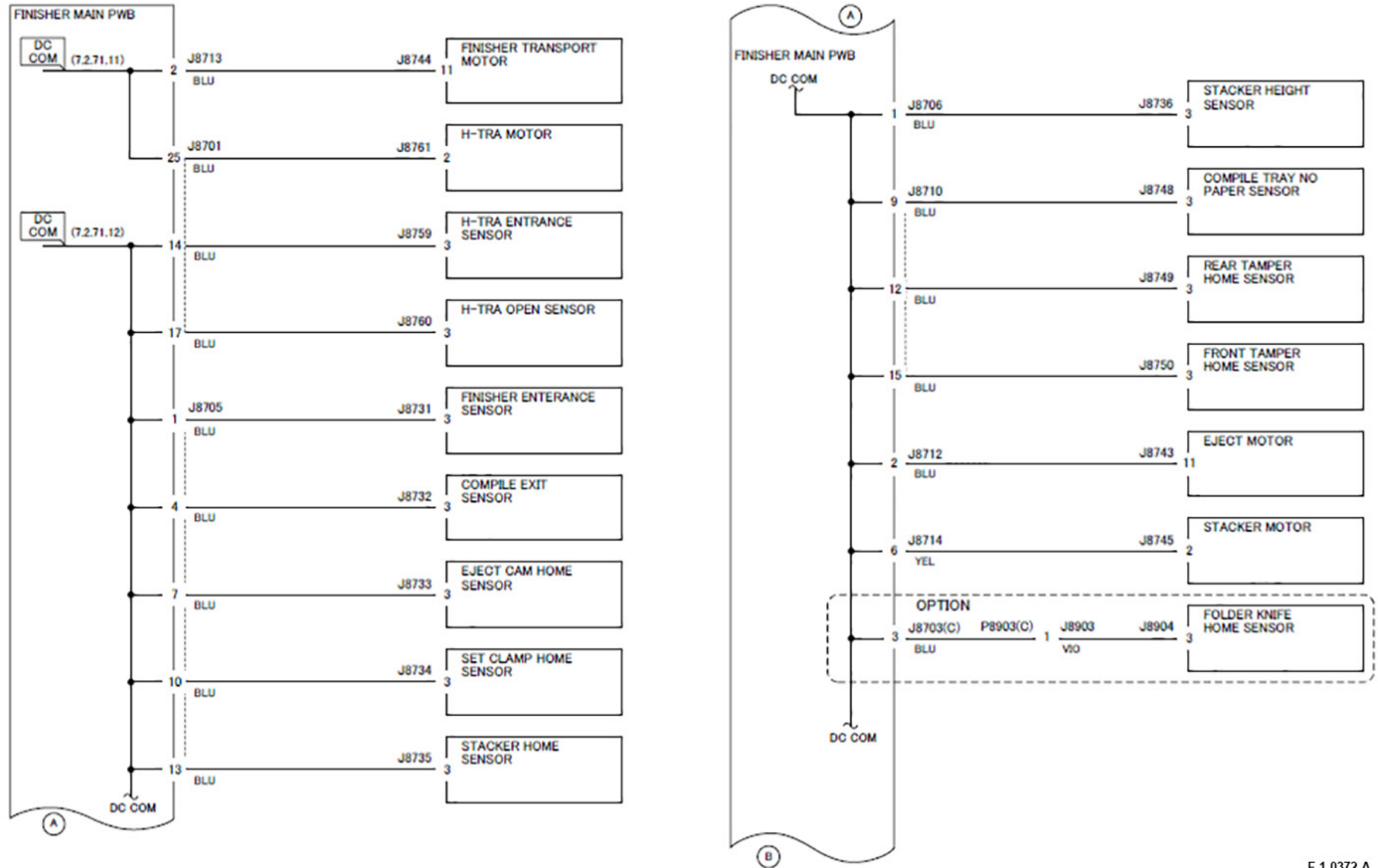
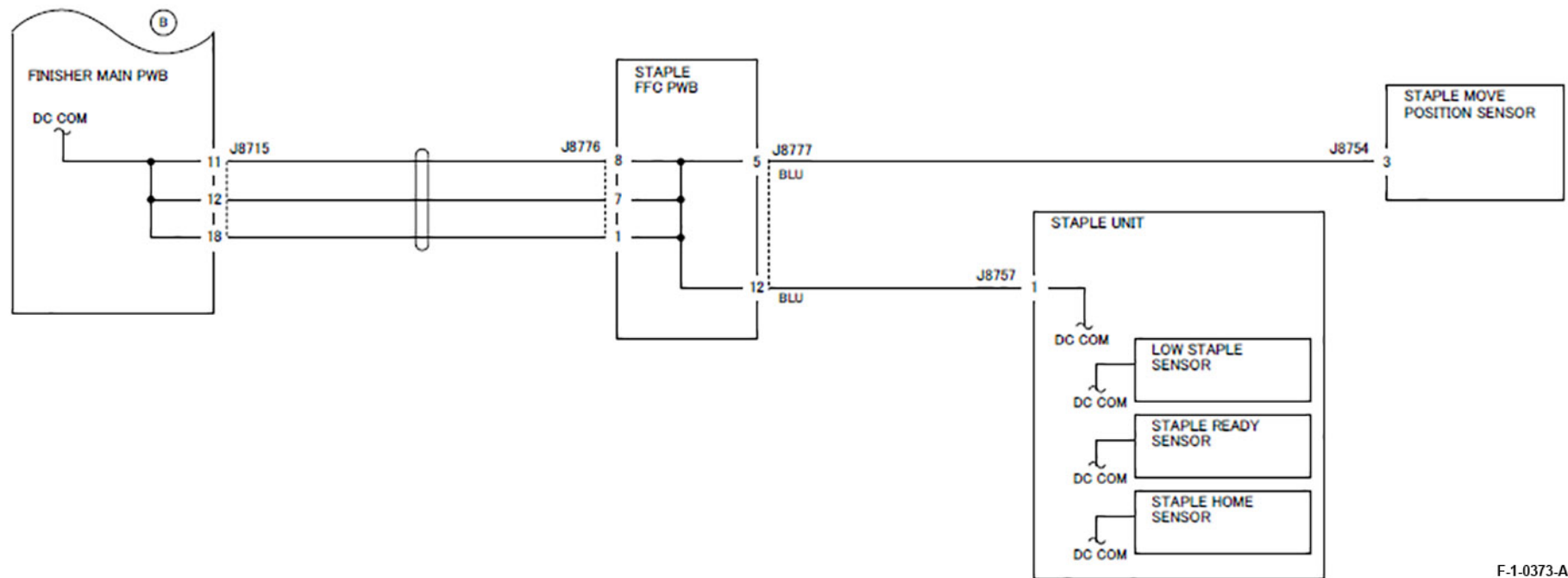


Figure 13 DC COM

F-1-0372-A

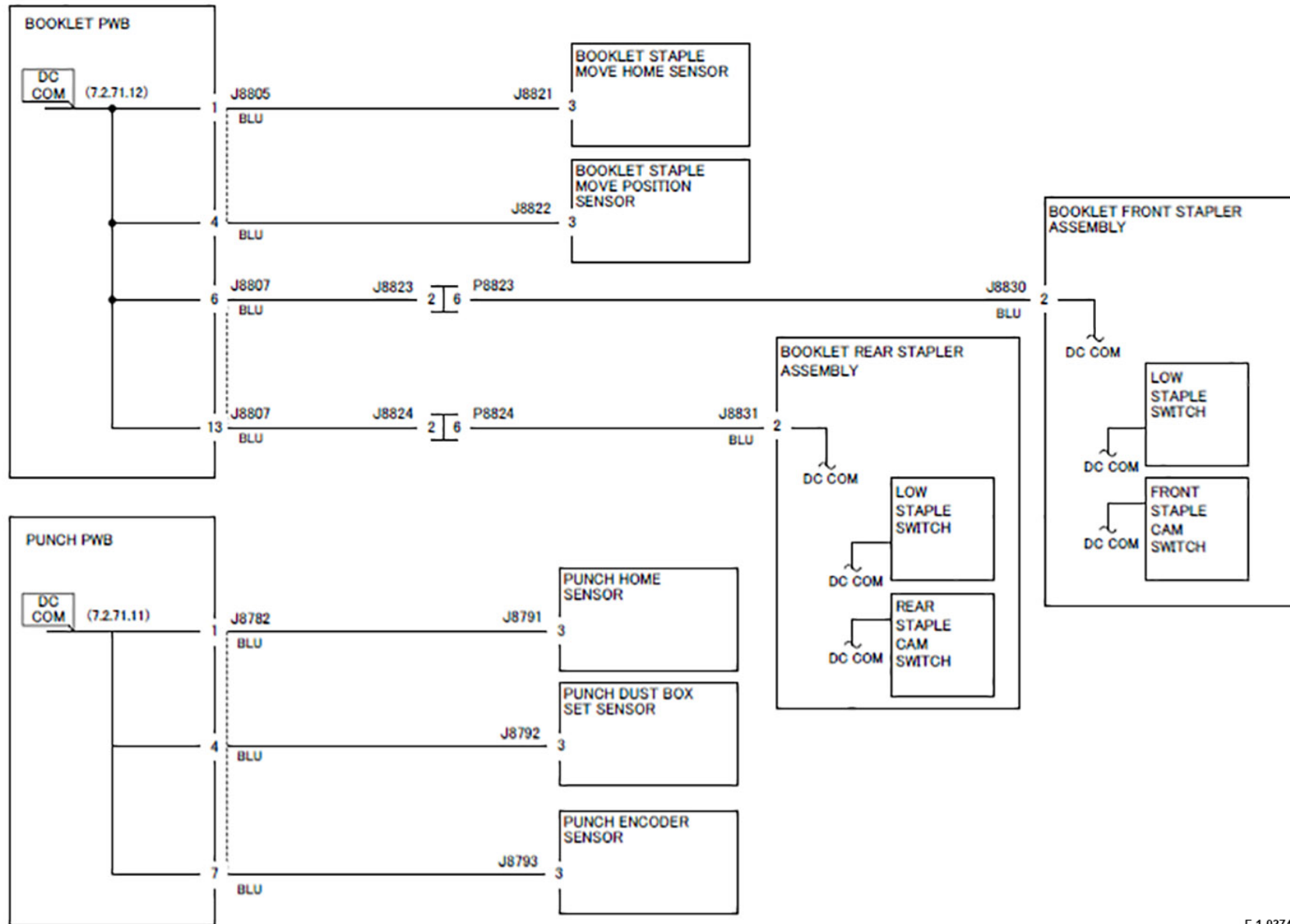
7.2.71.14 DC COM



F-1-0373-A

Figure 14 DC COM

### 7.2.71.15 DC COM (OPTION)



F-1-0374-A










Figure 15 DC COM (OPTION)













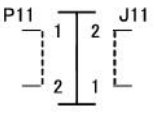
## BSD (Block Schematic Diagram)

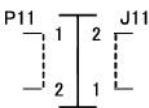
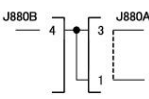










### Explanation of Symbols

See [Table 1](#)

**Table 1** Explanation of Symbols

Symbol	Description
	Explanation of Symbols
	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.
	Indicates a variable register that is adjustable in the field.
	Indicates a signal test point.
	Indicates where the input to a function originates. The example indicates that the input originates from group function 3 of Chain 1
	Indicates where the output from a function goes. The example indicates that the output goes to group function 1 of chain 6.
	Indicates that the signal line continues vertically.
	Indicates that the signal line continues horizontally.

Symbol	Description
	Indicates that the signal line goes to another zone in the same function. The example refers to zone E3.
	Indicates that the signal line goes back to another zone in the same function. The example refers to zone A4
	Indicates that the signal line goes to a zone in another sheet. The example refers to zone A2, CH8.5.
	Indicates that the signal line goes back to a zone in another sheet. The example refers to zone H4, CH8.5.
	Indicates a power line output from Chain 1.
	Indicates frame ground.
	Indicates a twisted pair of wires.
	Indicates that the signal goes from right to left, in the opposite direction to the normal direction.
	Indicates a feedback signal.
	Indicates a mechanical connection to a part.
	Indicates that a mechanical drive signal goes in the direction indicated.
	Indicates Control Logic.
	Indicates a double plug connector.

Symbol	Description
	Indicates a double plug connector.
	Indicates a shorting plug connector.
	Indicates that the fastener is used for connection.
	Indicates that an electrically conductive material such as a leaf spring and a plate is used for connection.
	Indicates that the symbol-pointed-to section has been modified to code 1V.
	Indicates the symbol-pointed-to section has not been modified to code 1V.
	Indicates that the whole figure or the framed illustration has information with 1V installed.
	Indicates that the whole figure or the framed illustration has information without 1V installed.
	Indicates direction the air flows.
	Indicates switch and is also used as Interlock Switch.
	Indicates the Cheater type of Interlock Switch.
	Indicates the Chip Fuse.

## Signal Name Structure

Table 2 indicates that when paper is sensed, this signal level is (L) and that 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)

Table 3 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:

Table 4 DC Voltage

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:

**Table 5 Abbreviations**

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.

**Table 6 Voltage**

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

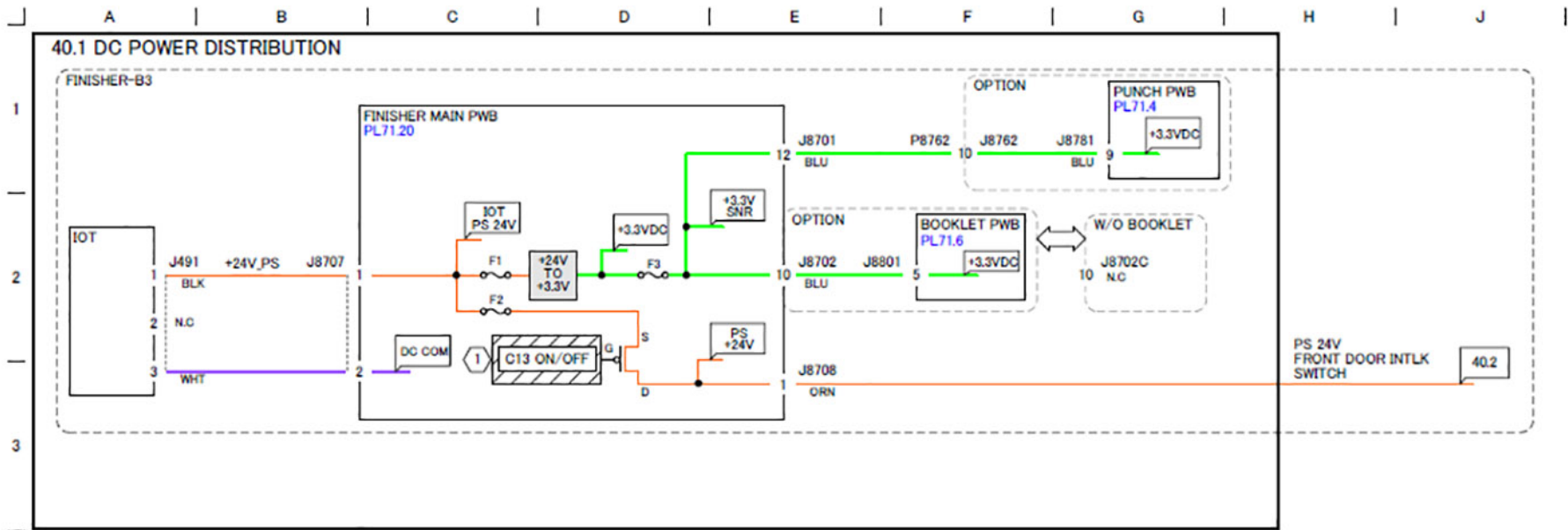


Figure 1 BSD 40.1 DC Power Distribution

F-1-0377-A





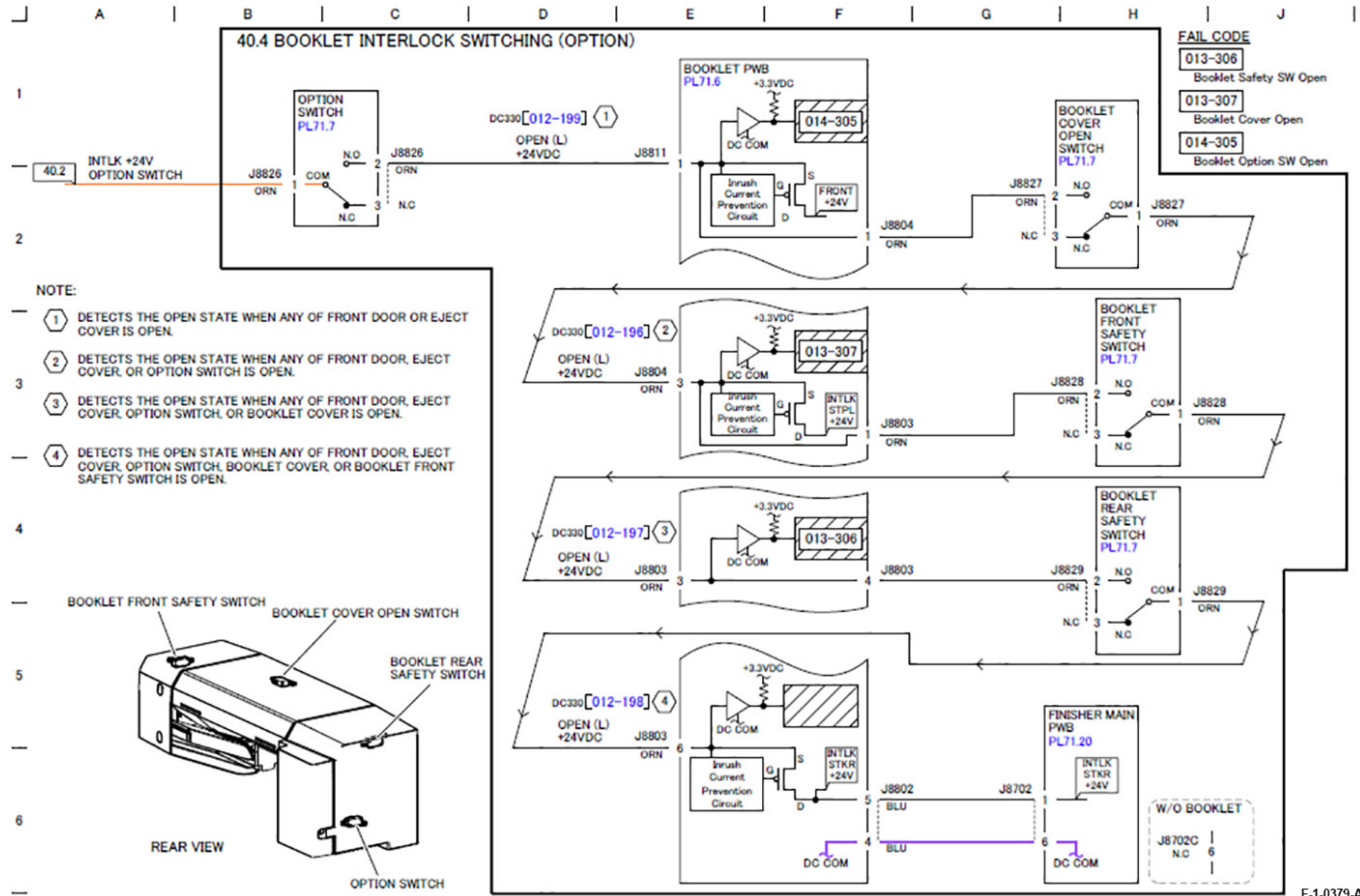


Figure 3 BSD 40.4 Booklet Interlock Switching (Option)

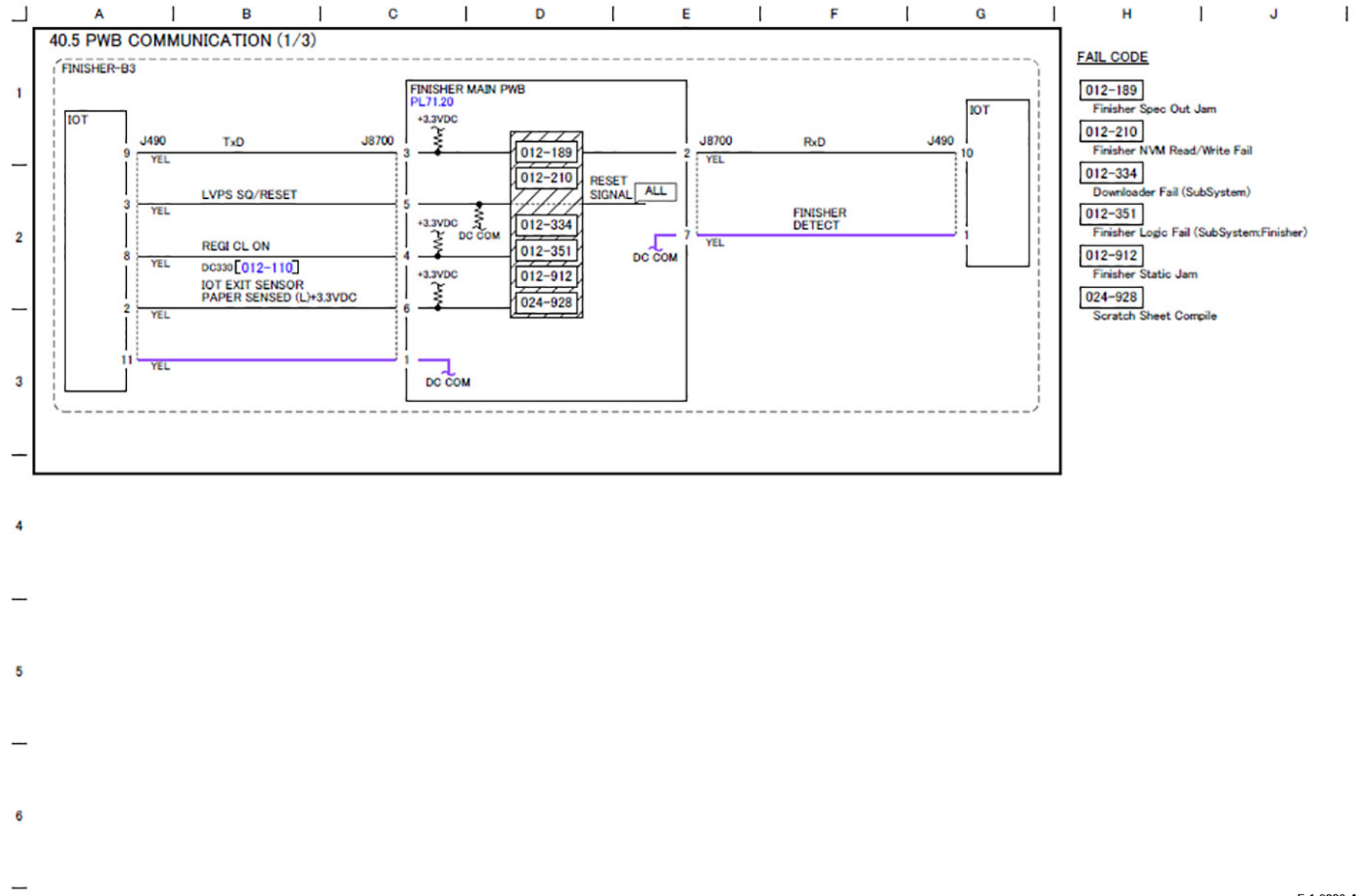


Figure 4 BSD 40.5 PWB Communication (1/3)

F-1-0380-A

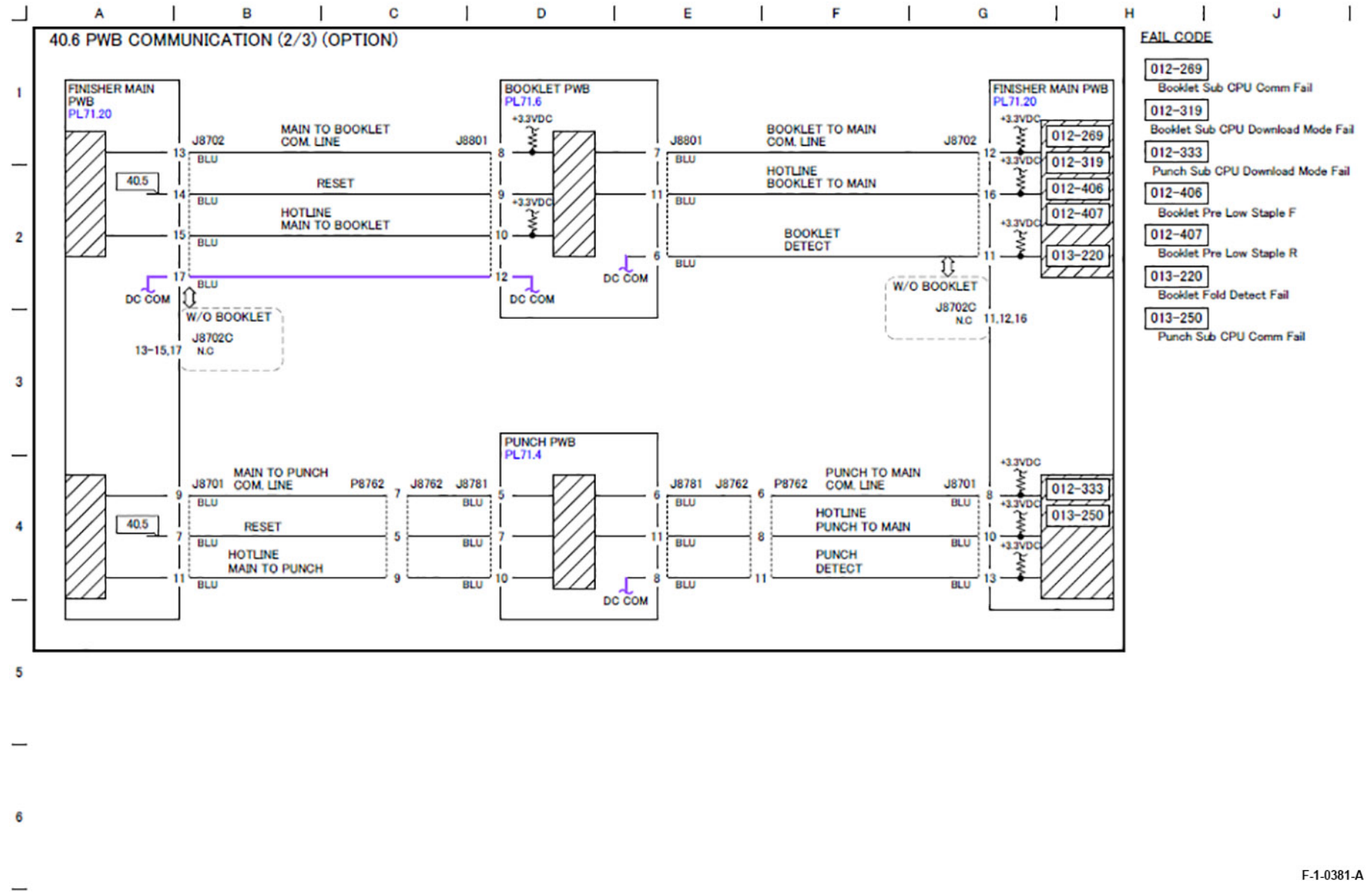


Figure 5 BSD 40.6 PWB Communication (2/3) (Option)

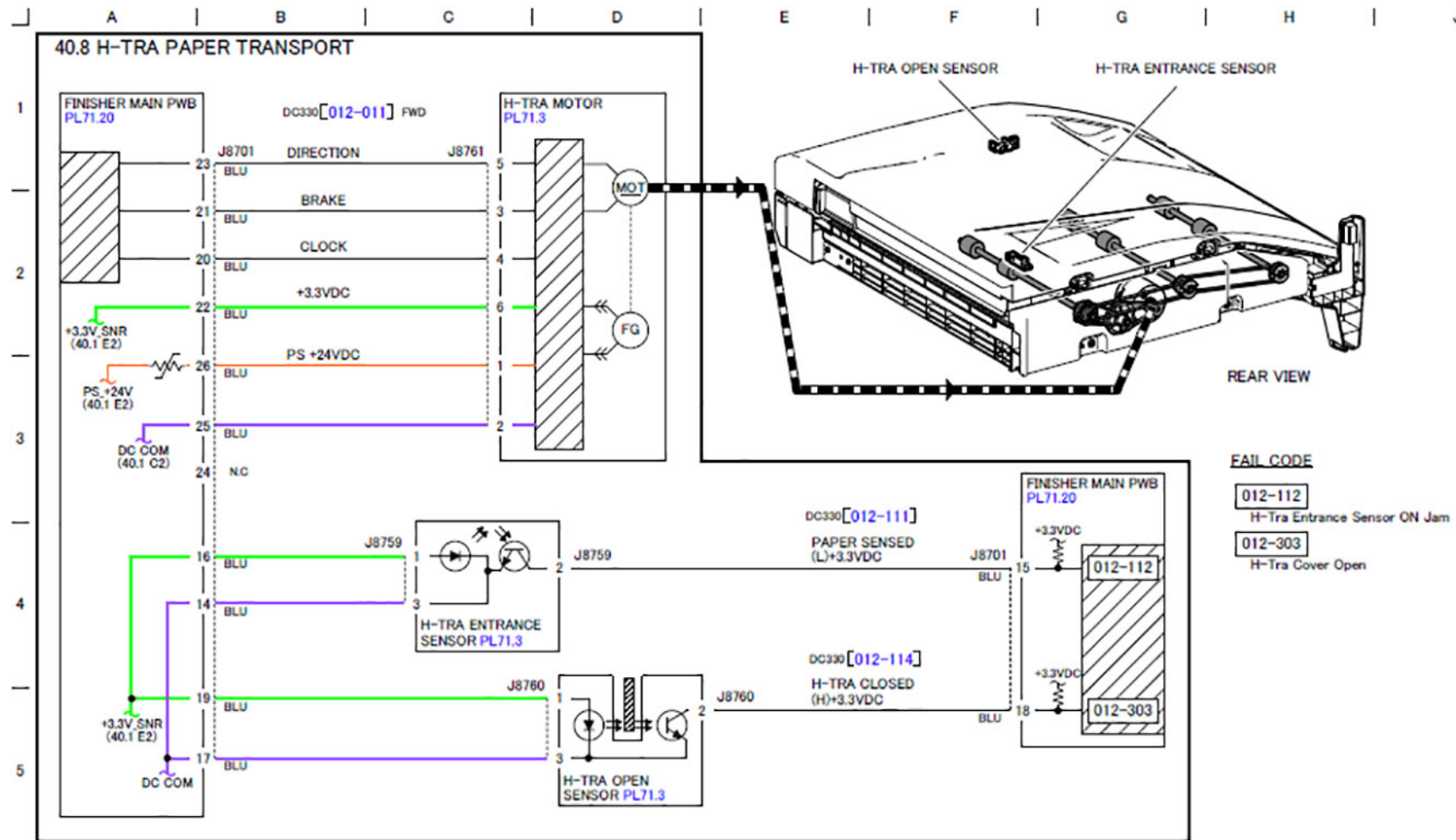
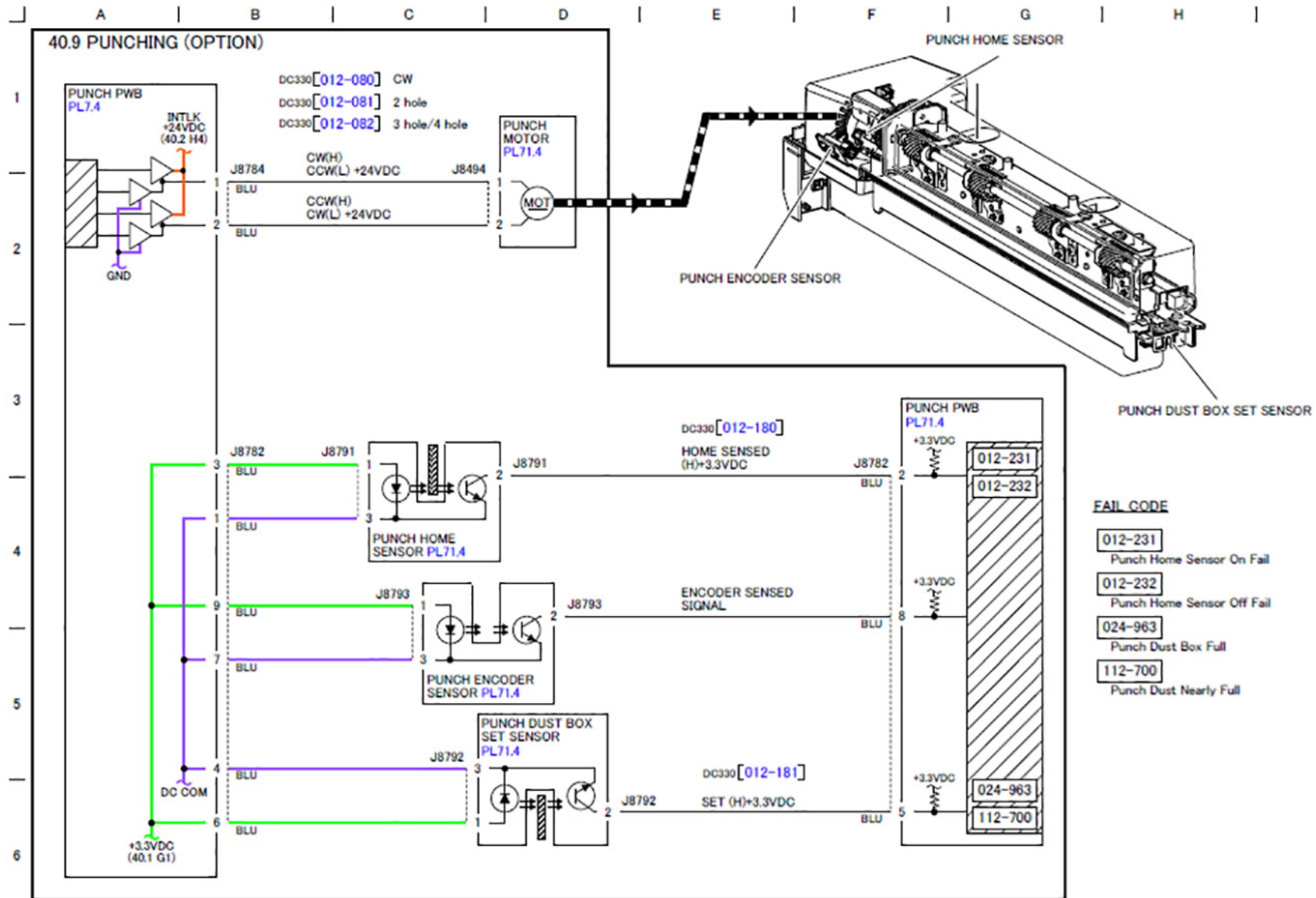


Figure 6 BSD 40.8 H-TRA Paper Transport

F-1-0382-A





F-1-0383-A

Figure 7 BSD 40.9 Punching (Option)

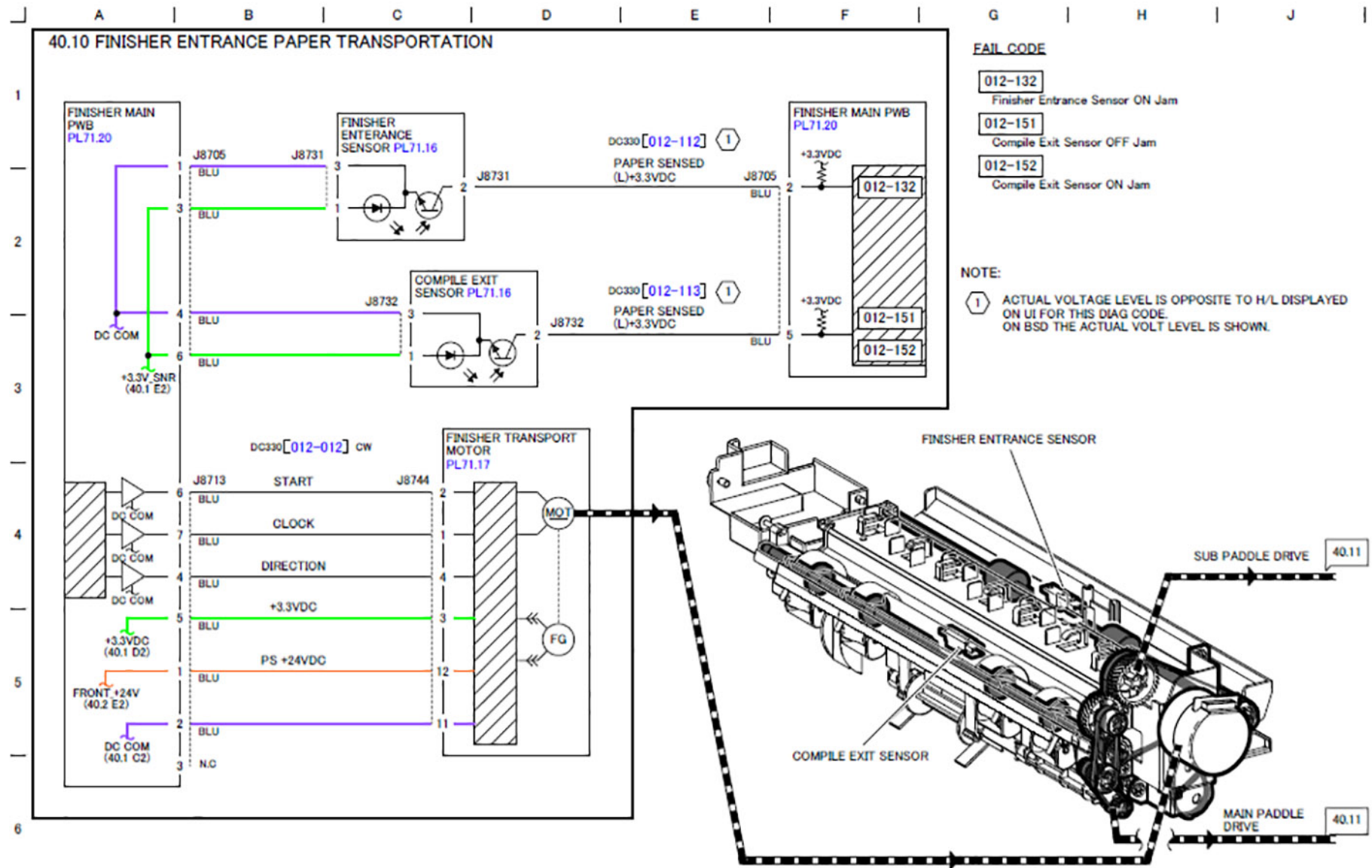
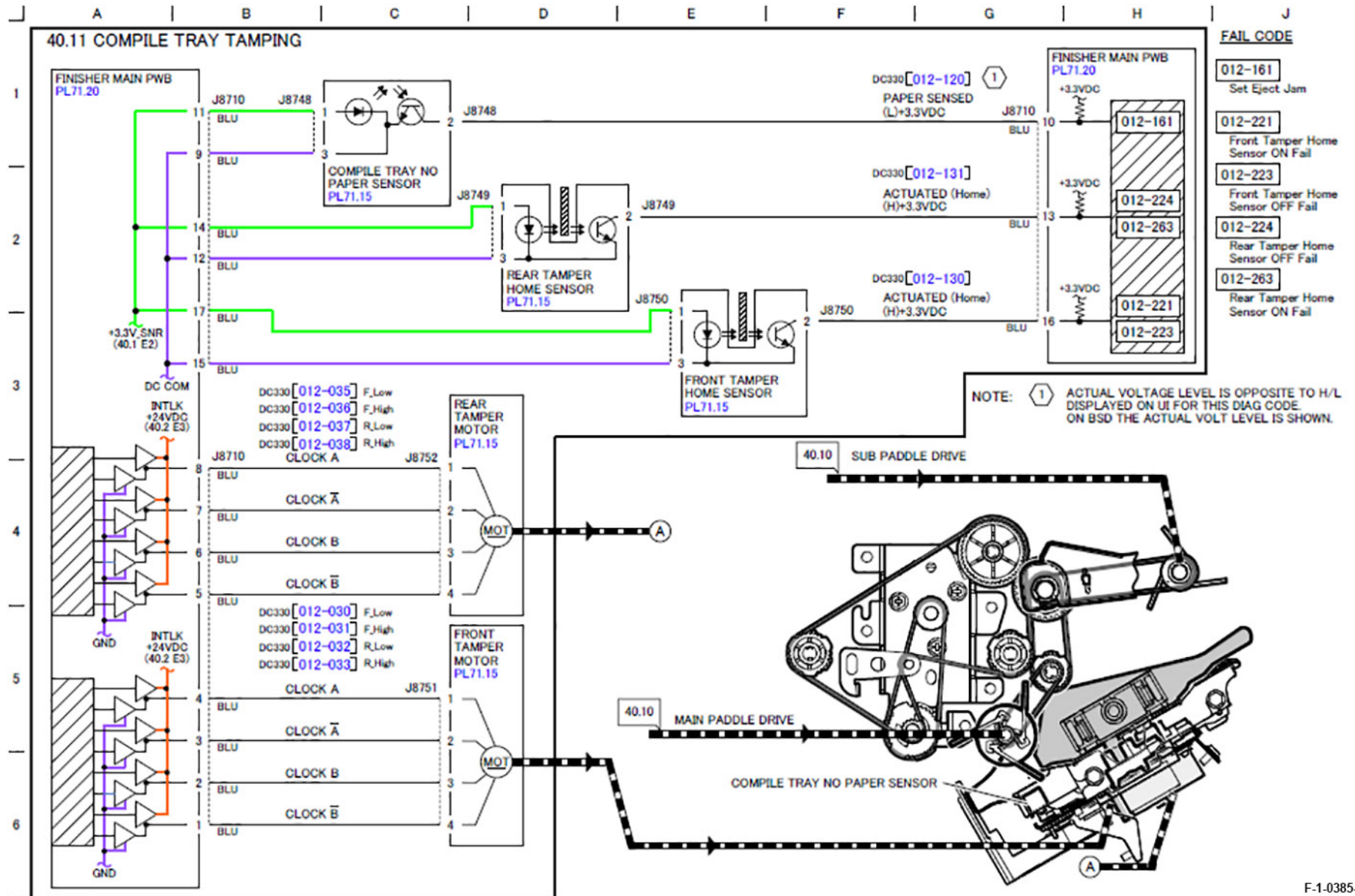


Figure 8 BSD 40.10 Finisher Entrance Paper Transportation

F-1.0384-A



F-1-0385-A

Figure 9 BSD 40.11 Compile Tray Tamping



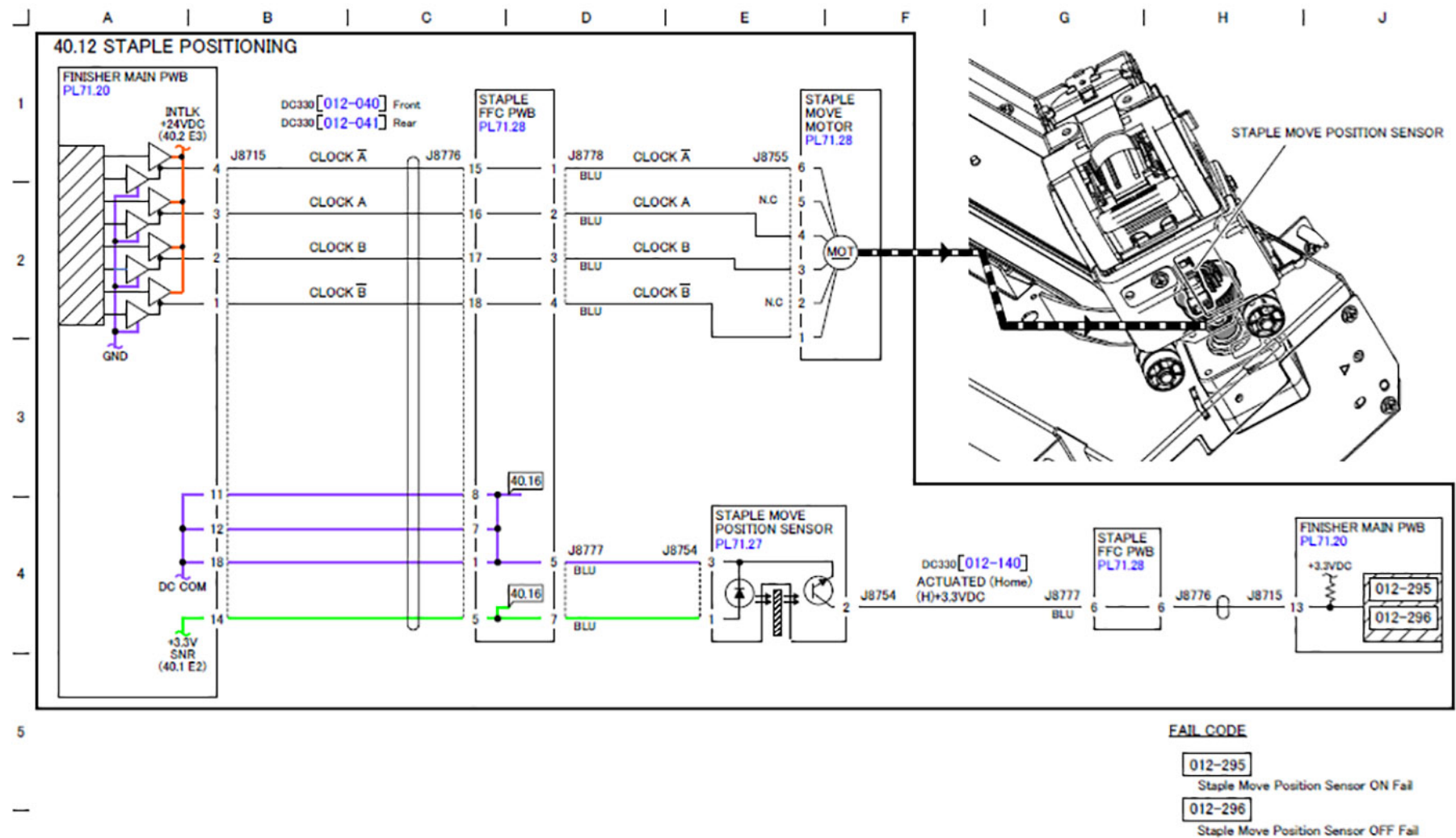
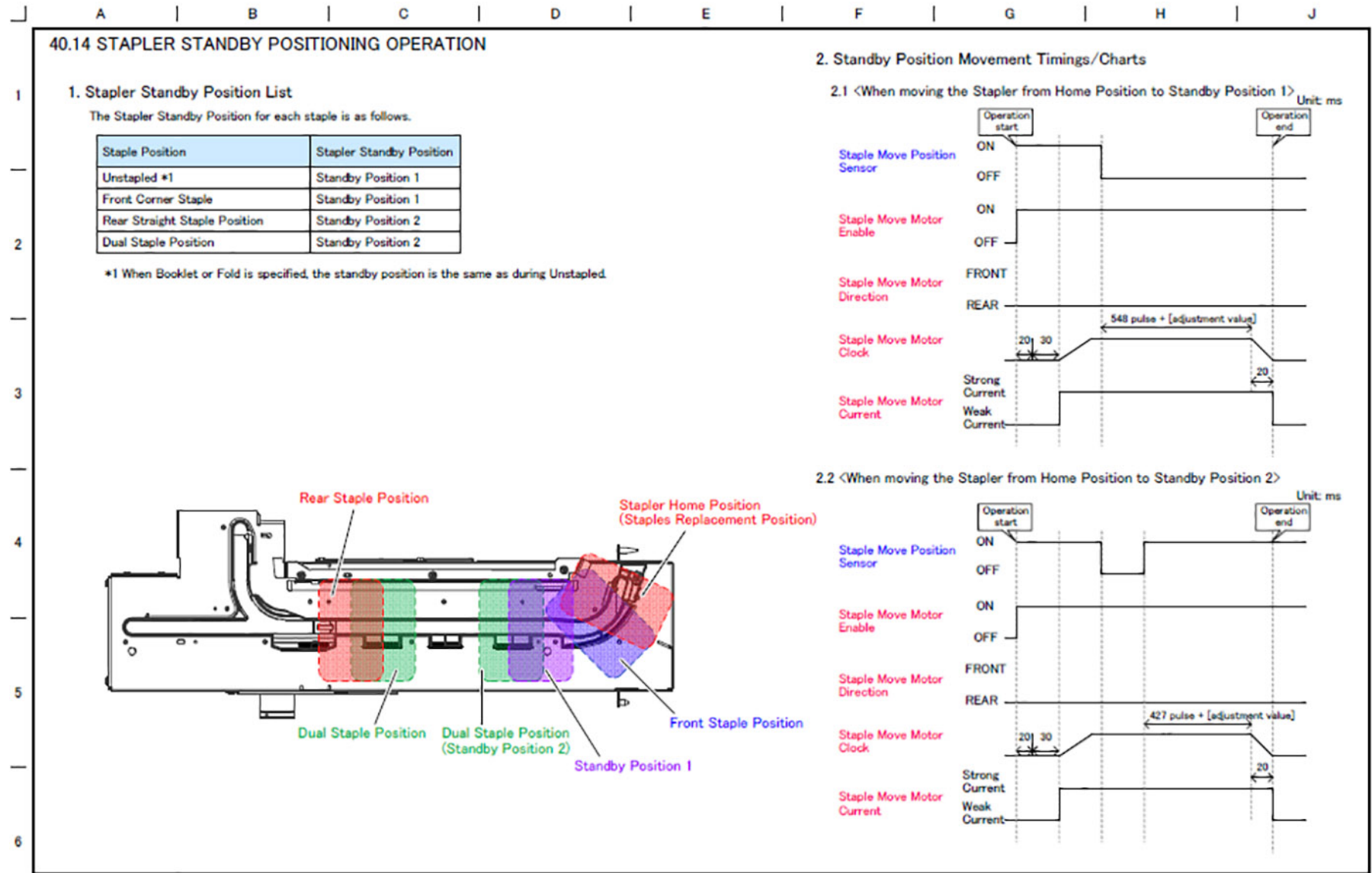


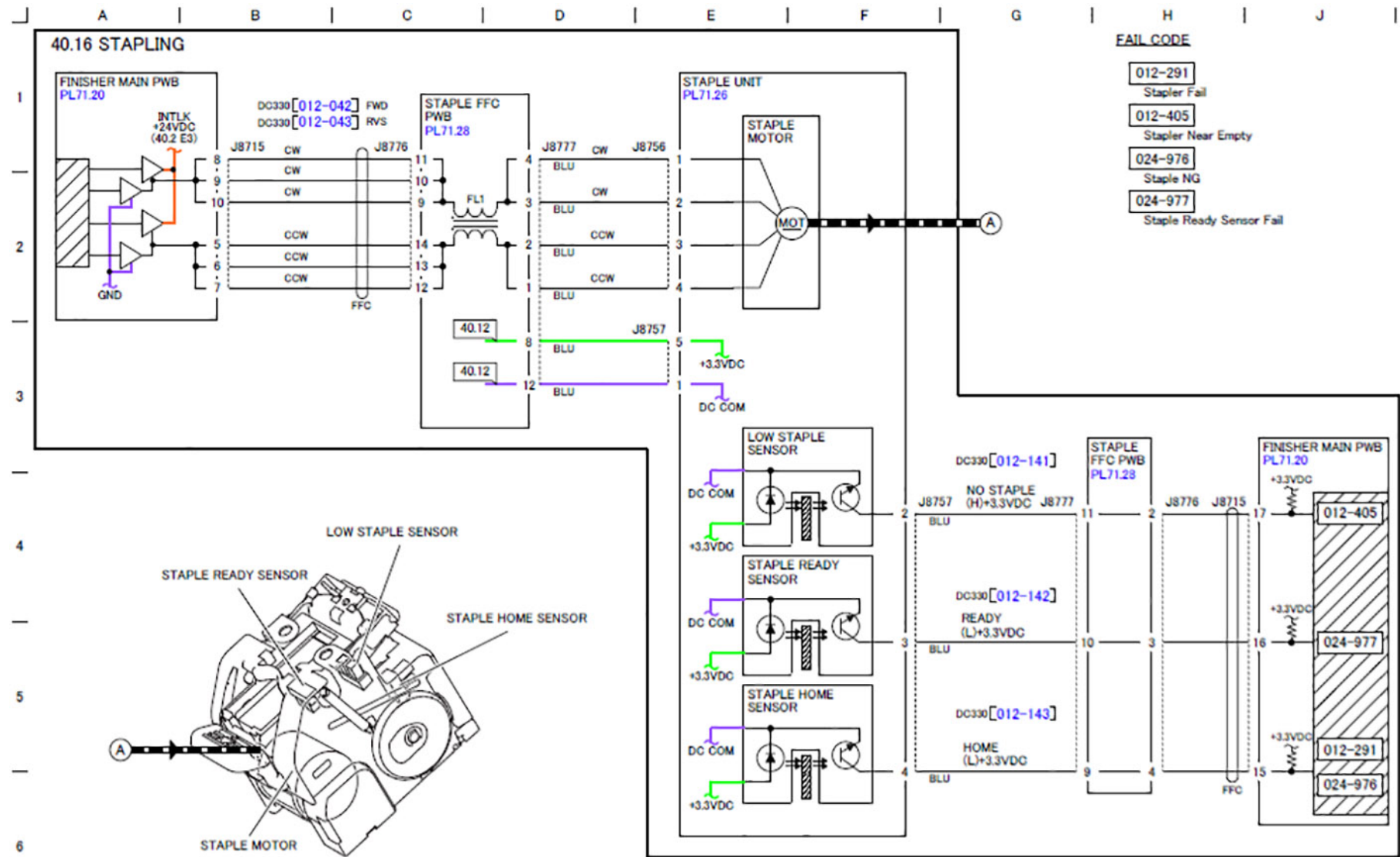
Figure 10 BSD 40.12 Staple Positioning

F-1-0386-A



F-1-0387-A

Figure 11 BSD 40.14 Stapler Standby Positioning Operation



F-1.0388-A

Figure 12 BSD 40.16 Stapling

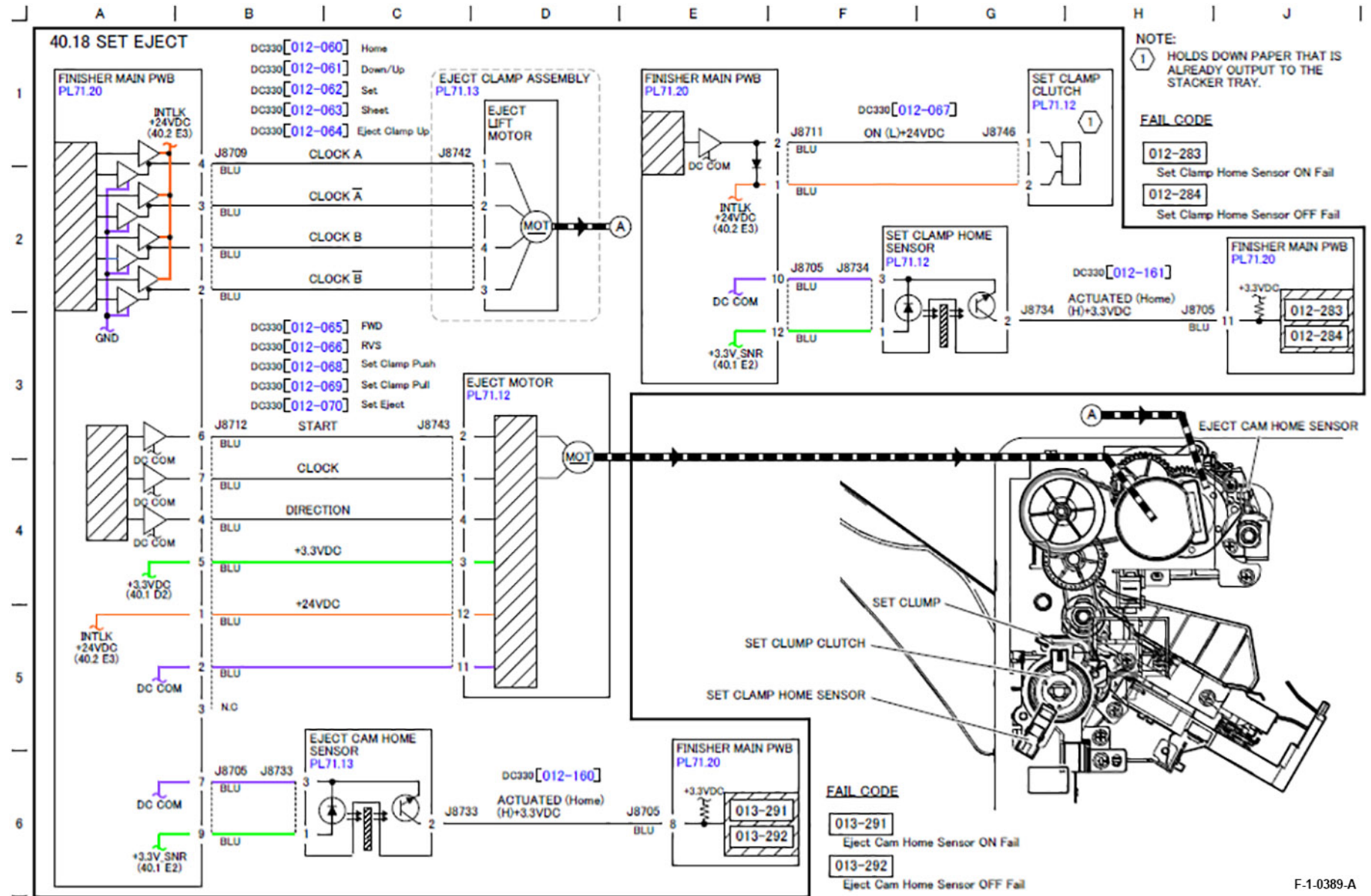
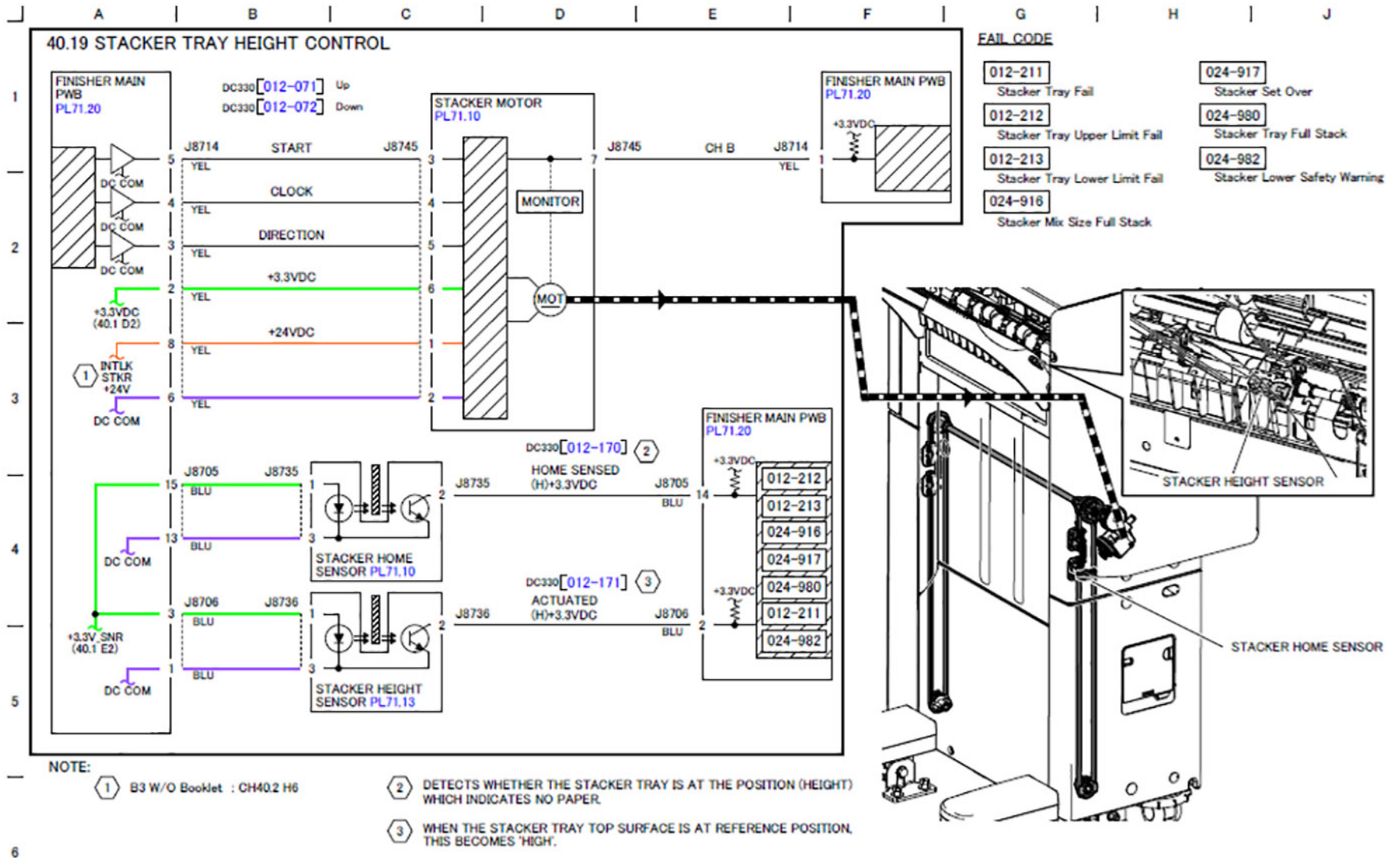


Figure 13 BSD 40.18 Set Eject

F-1-0389-A





F-1-0390-A

Figure 14 BSD 40.19 Stacker Tray Height Control

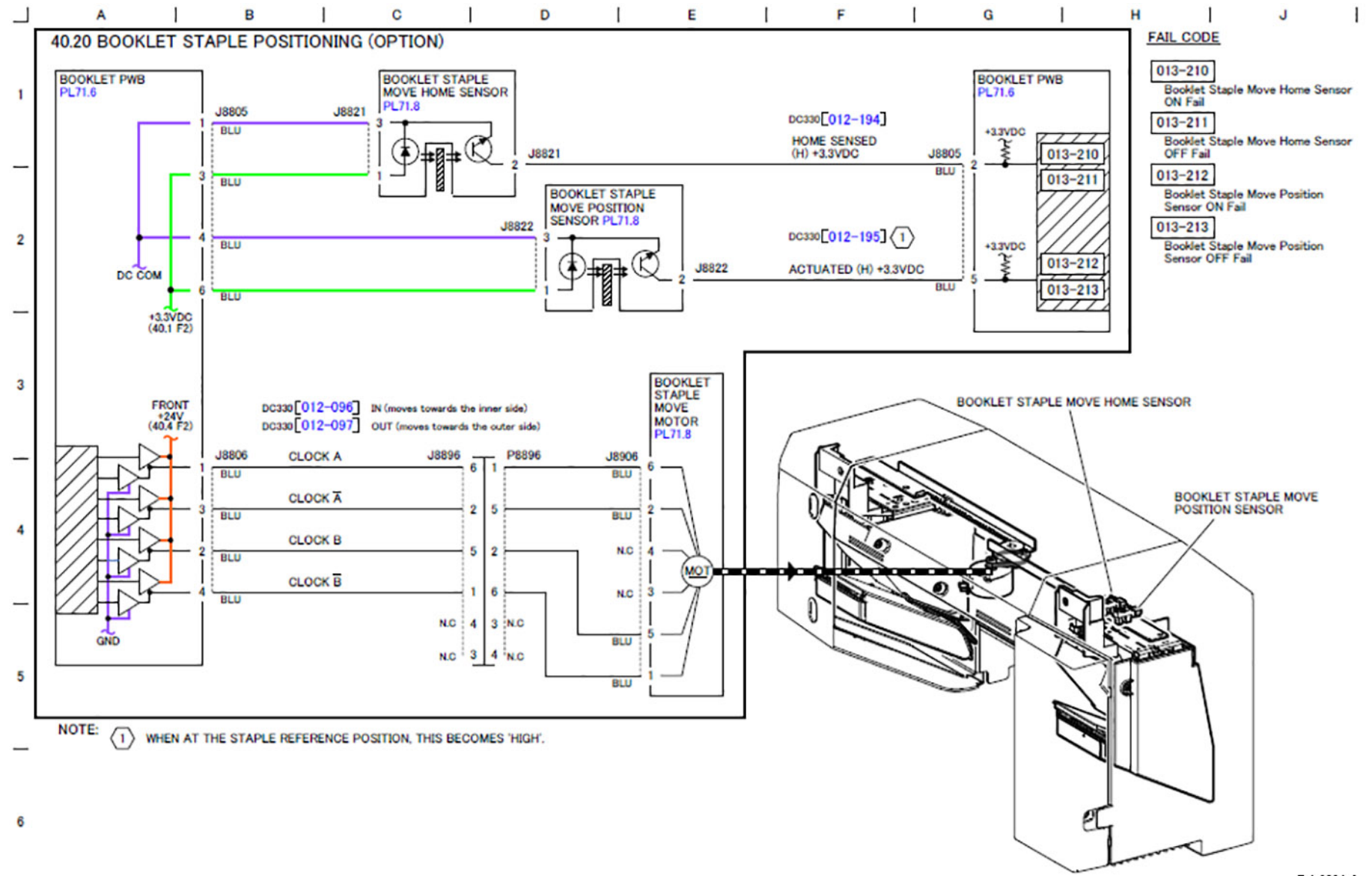


Figure 15 BSD 40.20 Booklet Staple Positioning (Option)

F-1-0391-A

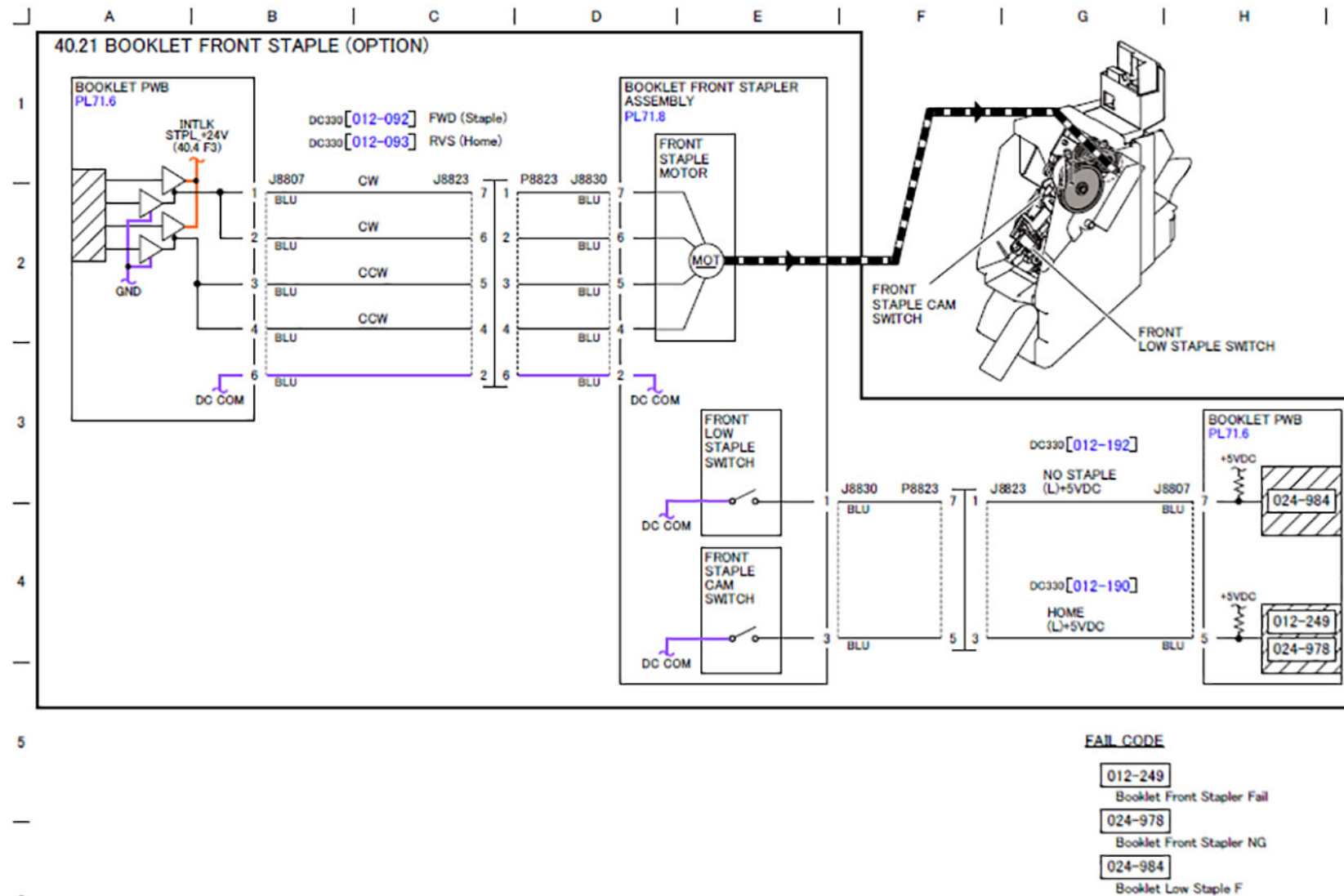


Figure 16 BSD 40.21 Booklet Front Staple (Option)

F-1-0392-A

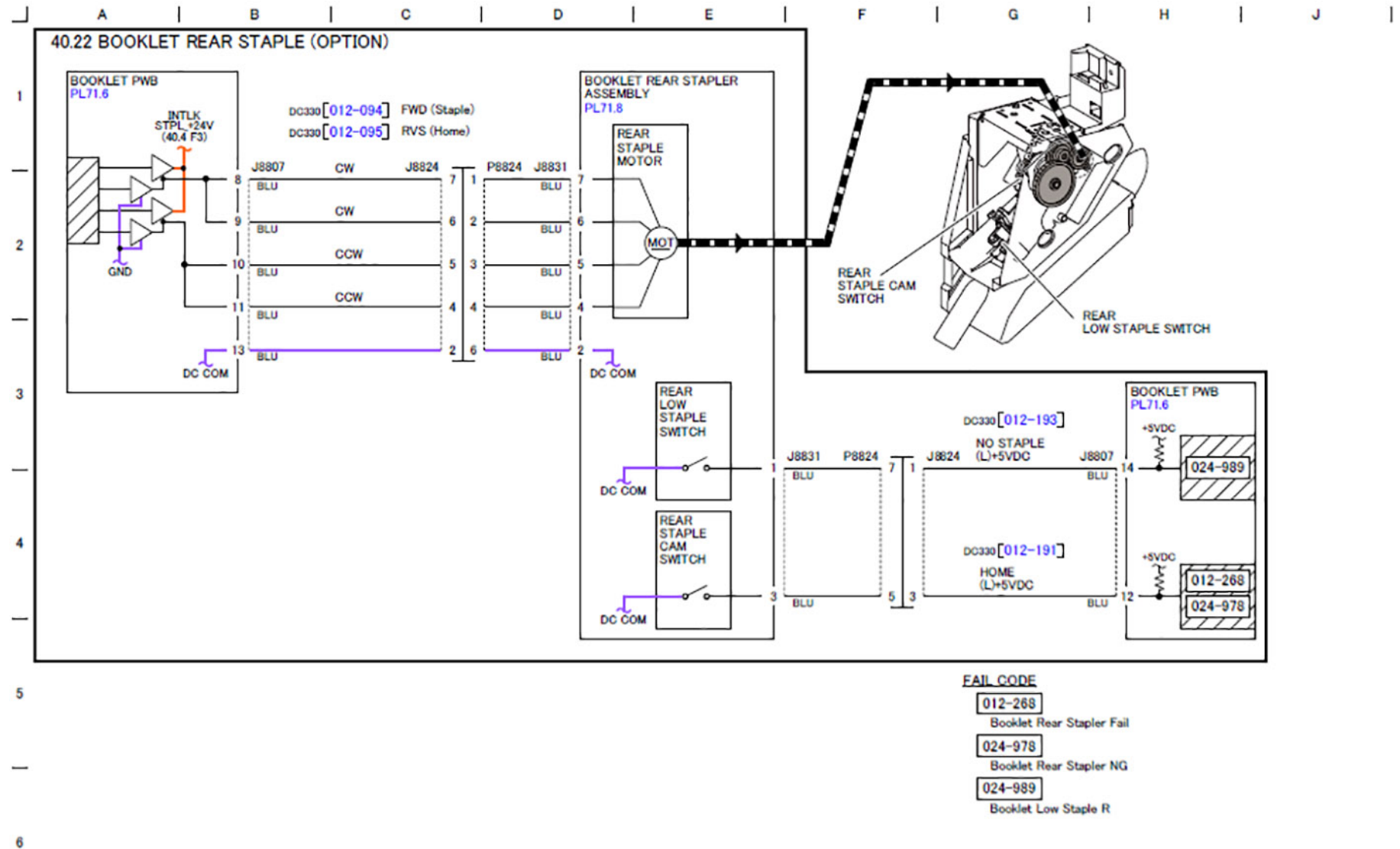


Figure 17 BSD 40.22 Booklet Rear Staple (Option)

F-1-0393-A



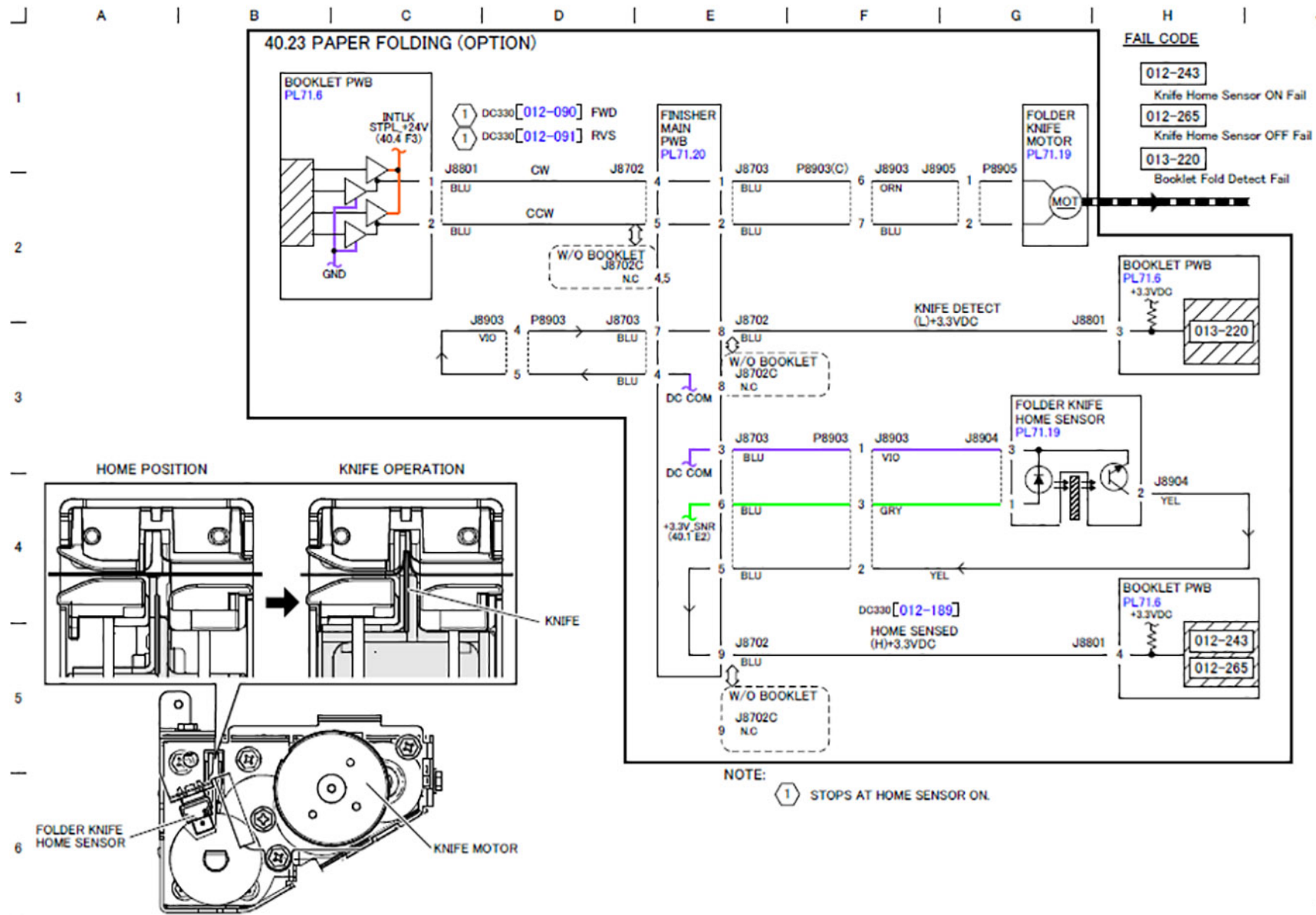


Figure 18 BSD 40.23 Paper Folding (Option)

F-1-0394-A

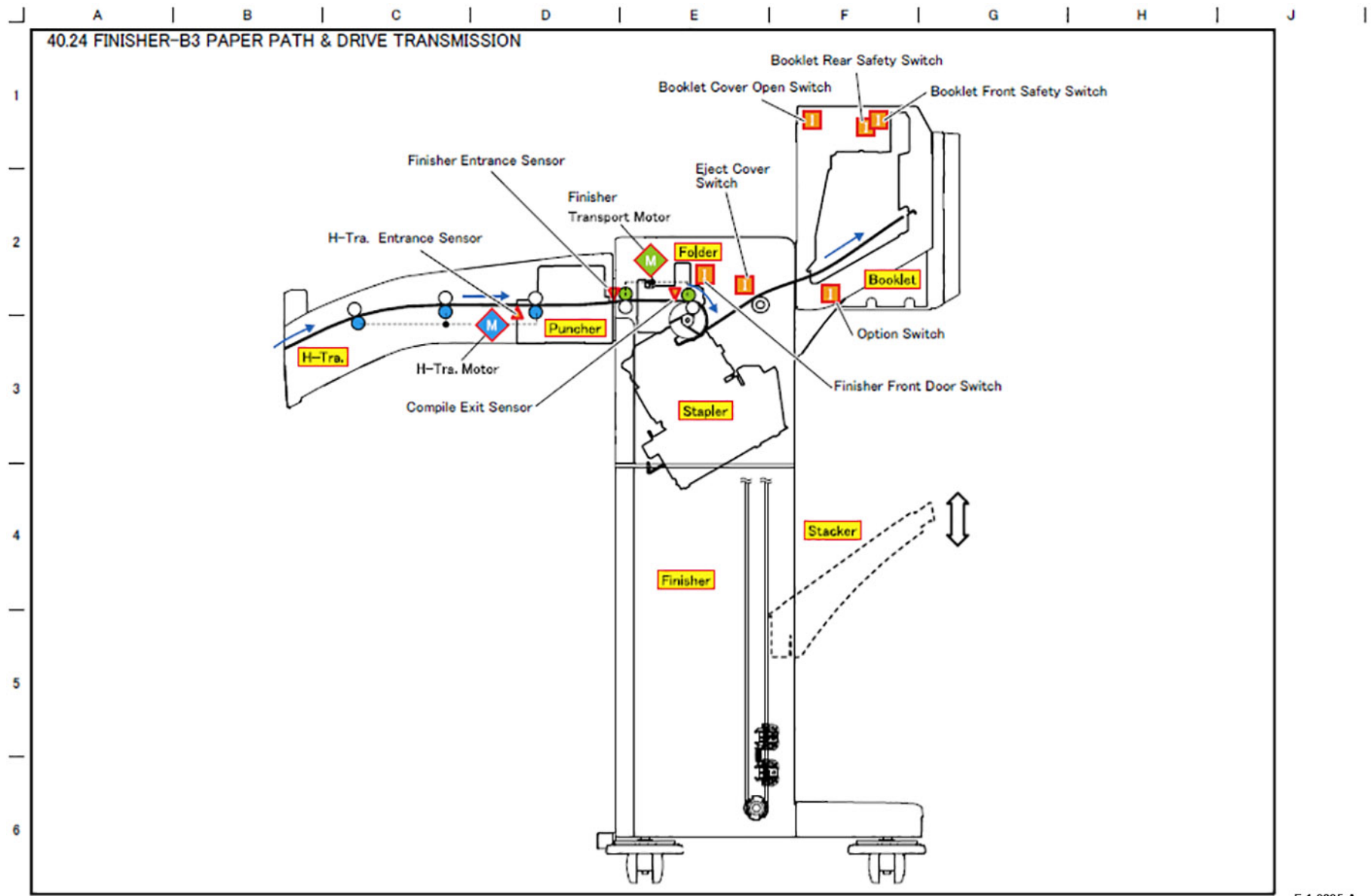


Figure 19 BSD 40.24 Finisher-B3 Paper Path & Drive Transmission

F-1-0395-A

