

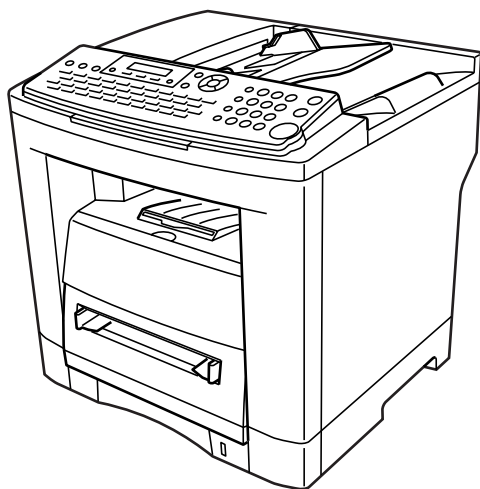
Service Handbook

Facsimile

UF-7000/8000

UF-7100/8100


[Version 2.0]



WARNING

This service information is designed for experienced repair technicians only and is not intended for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt within this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

Panasonic®

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This Product Uses Lead (Pb) Free Solder Printed Circuit Boards (PCBs).

Information regarding Lead-Free (PbF) solder:

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a **PbF** mark following the PCB part numbers in a label on the PCB.

Caution:

- Pb free solder has a higher melting point than standard solder; typically the melting point is 50 - 70 °F (30 - 40 °C) higher. Please use a soldering iron with temperature control and adjust it to 700±20 °F (370±10 °C). Exercise care while using higher temperature soldering irons, do not heat the PCB for too long to prevent solder splash or damage to the PCB.
- Pb free solder will tend to splash when heated too high (about 1100 °F/600 °C).
- ECO SOLDER M705 (available from Senju Metal Industry Co., Ltd.:
URL: <http://www.senju-m.co.jp>) is recommended when repairing PbF PCBs.

The contents of this Service Manual and the Specifications are subject to change without notice.

Panasonic Communications Co., Ltd. reserves the right to make improvements in the product design without reservation and without notice.

Published in Japan.

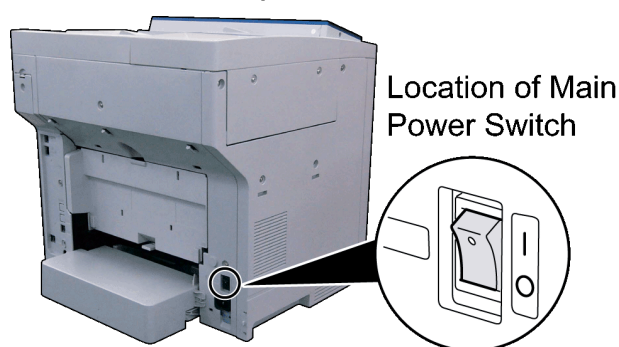
Important Notice

Please read this notice completely **BEFORE** installing any optional accessories. As failure to properly install the additional board or connector with the power ON could damage the machine's SDR or SC board.

Please follow the instructions below:

1. It is essential that you turn OFF the Main Power Switch located on the Rear Side of the machine.
2. It is essential that you unplug the AC Power Cord from the wall outlet. (During a Lightning Storm, to prevent electrocution disconnect the Telephone Line Cable first before unplugging the AC Power Cord)
3. Please read the installation instructions carefully and follow each step.

<Example: UF-8000>



Note:

O = Power OFF, I = Power ON

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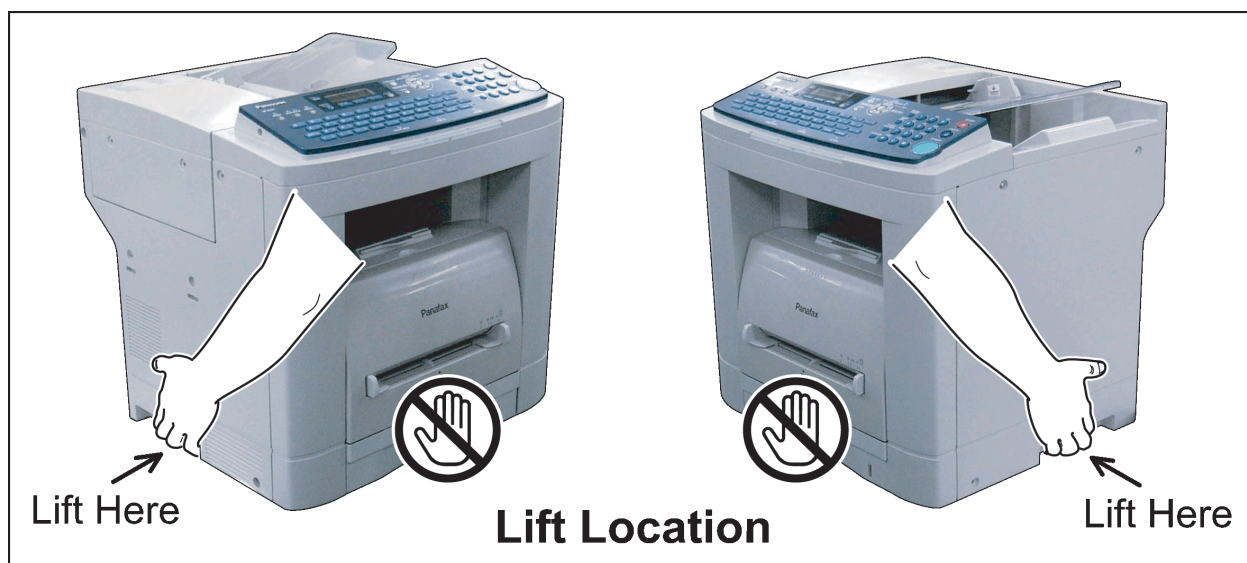
Important Notice for Installation

Caution:

Depending on your machine's model, it may weight approximately 48.50 lb (22.0 kg) without any options.

To prevent injuries, use the appropriate number of personnel and **lift or move the machine as illustrated.**

Do not lift the machine by the Paper Tray as it may cause damage and/or bodily injury.



Note:

Refer to the Quick Guide when installing the machine.

Precautions

For Your Safety

To prevent severe injury and loss of life, read this section carefully before servicing the Panasonic machine to ensure proper and safe operation.

Please ensure that the machine is installed near a wall outlet and is easily accessible.

- This section explains the graphic symbols used in the machine and/or this manual.



WARNING:

Denotes a potential hazard that could result in serious injury or death.



CAUTION:

Denotes hazards that could result in minor injury or damage to the machine.

- This section also explains the graphic symbols used in the machine and/or this manual.



These symbols are used to alert operators to a specific operating procedure that must not be performed.



These symbols are used to alert operators to a specific operating procedure that must be emphasized in order to operate the machine safely.

Installation and Relocation Cautions



CAUTION



Do not place the machine near heaters or volatile, flammable, or combustible materials such as curtains that may catch fire.



Do not place the machine in a hot, humid, dusty or poorly ventilated environment. Prolonged exposure to these adverse conditions can cause fire or electric shock.



Place the machine on a level and sturdy surface that can with stand. If tilted, the machine may tip-over and cause injuries.



When relocating the machine, remove the toner and/or developer, and pack the machine with proper packing materials for shipping.



When moving the machine, be sure to unplug the power cord from the outlet. If the machine is moved with the power cord attached, it can cause damage to the cord which could result in fire or electric shock.

Power and Ground Connection Cautions



WARNING



Ensure that the plug connection is free of dust. In a damp environment, a contaminated connector can draw a significant amount of current that can generate heat and eventually cause fire over an extended period of time.



Always use the power cord provided with your machine. When an extension power cord is required, always use a properly rated cord.

120 V/15 A or AC 220 - 240V/10 A

If you use a cord with an unspecified current rating, the machine or plug may emit smoke or become hot to the touch externally.



Do not attempt to rework, pull, bend, chafe or otherwise damage the power cord. Do not place a heavy object on the cord. A damaged cord can cause fire or electric shock.



Never touch a power cord with wet hands. Danger of electric shock exists.



If the power cord is broken or insulated wires are exposed, replace immediately with a specified cord only. Using a damaged cord can cause fire or electric shock.



Stop operation immediately if your machine produces smoke, excessive heat, unusual noise, or smell, or if water is spilt onto the machine. These conditions can cause fire. Immediately switch Off and unplug the machine.



Do not disconnect or reconnect the machine while it is on. Disconnecting a live connector can deform the plug and cause fire.



When disconnecting the machine, grasp the plug instead of the cord. Forcibly pulling on a cord can damage it and cause fire or electric shock.



When the machine is not used over an extended period of time, switch it Off and unplug it. If an unused machine is left connected to a power source for a long period, degraded insulation can cause electric shock, current leakage or fire.



Be sure to switch Off and unplug the machine before accessing the interior of the machine for cleaning, maintenance or fault clearance. Access to a live machine's interior can cause electric shock.



Be sure to switch Off and unplug the machine before accessing the interior of the machine for accessing interface cables, maintenance or fault clearance. Access to a live machine's interior can cause electric shock.



Once a month, unplug the machine and check the power cord for the following. If you notice any unusual condition, contact your Service Provider.

- The power cord is plugged firmly into the receptacle.
- The plug is not excessively heated, rusted, or bent.
- The plug and receptacle are free of dust.
- The cord is not cracked or frayed.

Others

- The machine has a built-in circuit for protection against lightning-induced surge current. If lightning strikes in your neighborhood, switch Off the machine. Disconnect the telephone line cable first, then unplug the power cord from the machine and reconnect only when the lightning storm has stopped.
- If you notice flickering or distorted images or noises on your audio-visual units, your machine may be causing radio interference. Switch it Off and if the interference disappears, the machine is the cause of the radio interference. Perform the following procedure until the interference is corrected.
 - Move the machine and the TV and/or radio away from each other.
 - Reposition or reorient the machine and the TV and/or radio.
 - Unplug the machine, TV and/or radio, and replug them into outlets that operate on different circuits.
 - Reorient the TV and/or radio antennas and cables until the interference stops.

For an outdoor antenna, ask your local electrician for support.

- Use a coaxial cable antenna.

Operating Safeguards



WARNING



Do not touch areas where these caution labels are attached to the surface may be very hot, and cause server burns.



Do not place any liquid container such as a vase or coffee cup on the machine. Spilt water can cause fire or shock hazard.



Do not place any metal parts such as staples or clips on the machine. If metal and flammable parts get into the machine, they can short-circuit internal components, and cause fire or electric shock.













If debris (metal or liquid) gets into the machine, switch Off and unplug the machine. Operating a debris-contaminated machine can cause fire or electric shock.



Do not try to alter the machine configuration or modify any parts. An unauthorized modification can cause smoke or fire.






CAUTION

-  Do not place a magnet near the safety switch of the machine. A magnet can activate the machine accidentally resulting in injuries.
-  Do not use a highly flammable spray or solvent near the machine. It can cause a fire.
-  When copying a thick document, do not use excessive force to press it against the document glass. The glass may break and cause injuries.
-  Never touch a labeled area found on or near the heat roller. You can get burnt. If a sheet of paper is wrapped around the heat roller, do not try to remove it when it is hot, to avoid injuries or burns. Switch Off the machine immediately, and wait until it cools down.
-  Do not use conductive paper, e.g. folding paper, carbon paper and coated paper. When a paper jam occurs, it can cause a short circuit and fire.
-  Do not place any heavy object on the machine. An off-balance machine can tip-over or the heavy object can fall, causing damage and/or injuries.
-  Keep the room ventilated when using the machine for an extended period of time to minimize the ozone density in the air.
-  When copying with the document cover open, do not look directly at the exposure lamp. Direct eye exposure can cause eye fatigue or damage.
-  Pull out paper trays slowly to prevent injuries.
-  When removing jammed paper, make sure that no pieces of torn paper are left in the machine. A piece of paper remaining in the machine can cause a fire. If a sheet of paper is wrapped around the heat roller, or when clearing a jammed paper that is difficult or impossible to see, do not try to remove it by yourself. Doing so can cause injuries or burns. Switch Off the machine immediately, and wait until it cools down.

Consumable Safeguards



WARNING

-  Never throw a toner bottle into an open flame. Toner remaining in the bottle can cause an explosion and you can get burnt.
-  Never throw toner or a waste toner container or a toner bottle into an open flame. It can cause an explosion and you can get burnt.
-  Keep button batteries out of the reach of children. If a button battery is swallowed accidentally, get medical treatment immediately.



CAUTION





-  Never heat the OPC Drum, or scratch its surface. A heated or scratched drum can be hazardous to your health.
-  Do not mix new and old batteries together. Otherwise, batteries can burst or leak, causing a fire or injuries.
-  Be sure to use the specified type of batteries only.
-  Ensure that batteries are installed with correct polarity. Incorrectly installed batteries can burst or leak, resulting in spillage or injuries.

Table of Contents

Specifications Table	9	5.19. 2nd Paper Feed Module Packing and Accessories	162
1.1. Fax, Printer, Network Scanner and Internet Fax Functions	9	5.20. Printer Controller Module for PCL6	164
1.2. System Combination.....	23	5.21. G3 Communication Port Kit (For UF-8000/8100).....	166
1.3. Options List.....	24	5.22. Network Scan / Email / Internet Fax Kit	168
Maintenance, Adjustments and Check Points	25	5.23. Hardware Identification Template.....	170
2.1. Preventive Maintenance	25	Alphanumerical Parts List	172
2.2. Required Tools.....	27		
2.3. Preventive Maintenance Points	28		
2.4. Preventive Maintenance Check List.....	29		
2.5. Updating the Firmware.....	30		
2.6. Adjusting the Printer Registration, LSU Image Side to Side.....	39		
Troubleshooting	41		
3.1. Error Codes (For Copier)	41		
3.2. Information Code Table (For Facsimile).....	47		
Service Modes	54		
4.1. Service Modes (For Copier).....	54		
4.2. Service Modes (For Facsimile)	71		
Exploded View & Parts List	101		
5.1. Destination Codes.....	101		
5.2. Control Panel Unit (For USA and Canada)	102		
5.3. Control Panel Unit (For Other Destinations)	104		
5.4. ADF.....	106		
5.5. Cover Assembly.....	118		
5.6. Right Side Parts	122		
5.7. Motor and Drive Gear Unit.....	126		
5.8. Left Side Parts	128		
5.9. Rear and Upper Parts	132		
5.10. Fuser Unit	134		
5.11. Pick Up Roller and Paper Feed Roller	138		
5.12. Bottom Parts	140		
5.13. Mechanical Base.....	142		
5.14. Paper Tray	144		
5.15. 2nd Paper Feed Module	146		
5.16. Paper Tray (2nd Paper Feed Module).....	150		
5.17. PC Boards.....	152		
5.18. Packing and Accessories.....	158		

1 Specifications Table

1.1. Fax, Printer, Network Scanner and Internet Fax Functions

1.1.1. Fax Function

Items		Description		Remarks
		UF-7000/7100	UF-8000/8100	
Main Specifications				
1	Compatibility	Super G3 / G3		ITU-T Std & Non-Std
2	Modem Speed	33.6 - 2.4kbps		T.30/V.34/V.17/V.29/V.27ter
3	Coding Scheme	JBIG/MMR/MR/MH		
4	ECM	Yes		Conforms to ITU-T Rec. T.30 ECM
5	Short Protocol	Yes (B, D)		
6	Transmission Speed	Approx. 2.7 sec		ITU-T Image No. 1 (A4, Std Resolution)
7	Communication Resolution dpi x lpi (pels/mm x lines/mm)	Transmission Std. : 203 x 98 (8 x 3.85) Fine : 203 x 196 (8 x 7.7) S-Fine : 203 x 391 (8 x 15.4) 406 x 391 (16 x 15.4) 600dpi : 600 x 600 dpi Reception Std. : 203 x 98 (8 x 3.85) Fine : 203 x 196 (8 x 7.7) S-Fine : 203 x 391 (8 x 15.4) 406 x 391 (16 x 15.4) 600dpi : 600 x 600 dpi		600 dpi communication is only possible between T.30 Compliant Panafax, WORKiO, and other T.30 compliant machines.
Communication Ports				
1	PSTN Line Port	1-Line	Std: 1-Line Max: 2-Lines	2nd G3 Option is available for UF-8000/8100.
2	Leased Line Port	No		
3	V.24 Line Port	No		
4	LAN (Network)	Yes		Ethernet 10Base-T/100Base-TX
5	Centronics Parallel I/F	No		
6	USB Port	Yes		USB1.1
7	IEEE-1394	No		Firewire
8	Communication Port (Max)	2 Ports	3 Ports	
9	Multi Task Operation (Max)	4 Jobs	5 Jobs	
Communication Protocols				
1	PSTN	ITU-T G3 (T.30)		
2	Fax over the Internet	ITU-T T.37		
3	G3 Fax over IP Network	ITU-T T.37		
4	TCP/IP	Yes		
5	DHCP	Yes		
6	LDAP	Yes		
7	SMTP	Yes		
8	LPR/LPD	Yes		
9	SNMP	Yes		
10	MIB2	Yes		

Items		Description		Remarks
		UF-7000/7100	UF-8000/8100	
Scanner Mechanism				
1	Scanning Device	CIS (ADF)		
2	Scanning Resolution / Speed			
	Std: 203 x 98 (8 x 3.85) dpi x lpi (pels/mm x lines/mm)	LTR : 1.4 sec A4 : 1.5 sec	LTR : 0.7 sec A4 : 0.7 sec	Excludes: Initializing Time, ADF slipping factor, and Data XMT Time. (Letter size for USA and Canada; A4 size for Other Destinations)
	Fine: 203 x 196 (8 x 7.7) dpi x lpi (pels/mm x lines/mm)	LTR : 2.8 sec A4 : 3.0 sec	LTR : 1.4 sec A4 : 1.5 sec	
	S-Fine: 406 x 391 (16 x 15.4) dpi x lpi (pels/mm x lines/mm)	LTR : 5.7 sec A4 : 6.1 sec	LTR : 2.8 sec A4 : 3.0 sec	
	150dpi: 150 x 150	LTR : 2.2 sec A4 : 2.3 sec	LTR : 1.1 sec A4 : 1.1 sec	
	300dpi: 300 x 300	LTR : 4.4 sec A4 : 4.6 sec	LTR : 2.2 sec A4 : 2.3 sec	
	600dpi: 600 x 600	LTR : 8.8 sec A4 : 9.3 sec	LTR : 4.4 sec A4 : 4.6 sec	
3	Document Size (Max.)	Legal 8.5 x 14 in (216 x 2000 mm)		
4	Effective Scanning Width	LTR : 8.3 in (212 mm) A4 : 8.2 in (207 mm)		(Letter size for USA and Canada; A4 size for Other Destinations)
5	ADF Capacity	100 sheets		Face Up, top feed LTR / A4 (20 lb / 75 g/m ²)
6	Collation Stack	Yes		Face Down
Printer Mechanism				
1	Recording Method	LP		
2	Recording Resolution Fax	600 x 600 dpi		
3	Recording Paper Size			
	Paper Tray	Letter / Legal		For USA and Canada
		A4 / A5		For EU
		A4 / A5 / B5		For Other Destinations
	Bypass	Letter / Legal / Invoice		For USA and Canada
		A4, FLS, A5		For EU FLS = 8 x 13 in, 8.5 x 13 in
		A4 / A5 / B5		For Other Destinations
4	Effective Printing Width	LTR : 8.1 in (207mm) A4 : 7.9 in (201 mm)		Letter : USA and Canada A4 : Other Destinations
5	Recording Paper Capacity	250 sheets		Tray 1 + 2 : Max. 800 sheets LTR / A4: 20 lb (75 g/m ²)
6	Collation Stack	Yes		Face Down
7	Consumable	All in One Cartridge		
8	Low Toner Warning	Yes		

Items		Description		Remarks
		UF-7000/7100	UF-8000/8100	
Memory				
1	Fax Memory			
	Standard Memory (Flash)	3 MB (180 pages)	12 MB (720 pages)	ITU-T Image No.1 (A4, Std Resolution)
	Optional Memory (SD Memory Card)	32 MB to 512 MB (Max. 1,020 to 12,750 pages)		(Refer to 1.1.5.)
2	Printer Page Memory	32 MB		
3	Sort Memory	16 MB		
Copy Quality				
1	Halftone	Yes		256-Level Error Diffusion
2	Resolution	600 x 600 dpi		
3	Original Contrast Selection	Yes		5-Levels
4	Smoothing (Rx)			With Auto Picture / Text Recognition
	Fax, Copy	Yes		
	PC Printing Data	No		
5	2-Sided Copy	Yes		Scan twice
Power Supply				
1	Power Requirement	99 - 132 VAC 47 - 63 Hz Single phase		120 VAC
		180 - 264 VAC 47 - 63 Hz Single phase		220 - 240 VAC
2	Power Consumption			
	Standby	13 W		120 VAC Power Supply
	Transmission	21 W		
	Reception	860 W		
	Copy	860 W		
	Maximum	1000 W		
	Standby	14 W		220 - 240 VAC Power Supply
	Transmission	23 W		
	Reception	850 W		
	Copy	850 W		
	Maximum	1000 W		
Ambient Conditions				
1	Temperature	50 - 80 °F / 10 - 30 °C		
2	Relative Humidity	30 - 80%RH		
3	Safety	UL60950-1 / CSA C22.2 No.60950-1		For USA and Canada
		EN60950-1		For EU and Other Destinations
4	EMI	Class B computing device peripheral in FCC Rules Part 15		For USA and Canada
5	Lead Free Solder (PbF)	This Product uses Lead Free (PbF) PCBs		Refer to the inner Front Cover and the Parts Manual for details
Construction				
1	Dimensions (W x D x H)	17.7 x 17.9 x 18.0 in (450 x 454 x 448 mm)		Excluding projections
2	Weight (Excluding paper)	48.5 lb (22.0 kg)		Excluding consumable supplies and options

Items	Description		Remarks
	UF-7000/7100	UF-8000/8100	
Consumables			
1 Toner Cartridge	Yield: 5 K (5% coverage), 6 K Max Average yield is based on 5% coverage of the printable area with repetitive printing of 10 pages (Letter/A4 size, single side printing, default density). The yield of a Toner Cartridge varies depending on the coverage, temperature, humidity, media, etc. Therefore, the average yield cannot be guaranteed. Continuously printing 10% coverage of printable area will reduce the yield of the Toner Cartridge to about half as compared to 5% coverage printing. The maximum yield of the Toner Cartridge will not exceed 6,000 pages by way of Digital Counter.		
Options			
1 Printer Controller Module (PCL6*)	Yes		
2 Network Scan / Email / Internet Fax Kit	Yes		
3 2nd G3 Communication Port Kit	No	Yes	
4 Accounting Software	Yes		
5 Expansion Board	Yes		
6 SD Memory Card	Yes 32 MB - 512 MB		Use Genuine SD Memory Cards only.
7 2nd Paper Feed Module	Yes		
8 Handset Kit	Yes		Specific Destinations only.
Multi-Task Operation			
1 Multi Task Operation	Yes		
2 Direct XMT Reserve	Yes		
3 Memory XMT Reserve	Yes		
4 Number of Memory Job Files	Yes		Max. 50 files
Dialing/Telephone Features			
1 Directory Search Dialing	Yes		
2 Directory Search (LDAP Email)	Yes		
3 Directory Search (LDAP Fax)	Yes		
4 One-Touch Auto Dialers	80 (40 x2: Upper/Lower)		
5 Abbr. Auto Dialers	200 (max. 920)		Plus an additional 720 stations available to select from, when the optional SD Memory Card (Minimum 32 MB) is installed.
6 Total Auto Dialers	280 (Max. 1,000)		
7 Program Dials	80		
8 Max. Number Digits (Fax)	36		
9 Max. Number Digits (Email)	60		
10 Max. Station Name Characters	15		

Items	Description		Remarks
	UF-7000/7100	UF-8000/8100	
11 Full Number Dialing (Buffered Dialing)	Yes		Max. 50 stations
12 Direct Dialing (Monitor Dialing)	Yes		Voice mode
13 Automatic Redialing	Yes		Up to 15 times at 0 to 15 min. intervals
14 Manual Redialing	Yes		Pressing the REDIAL/PAUSE button
15 Line Monitor Speaker	Yes		1st Line only
16 Chain Dialing (Hybrid Dial)	Yes		In Monitor Dialing mode only
17 Pulse / Tone Dialing	Yes		10 pps / DTMF
18 Pulse to Tone Change	Yes		
19 Flash Key	Yes		
20 Handset	Option		
Transmission Features			
1 Direct Transmission	Yes		
2 Memory Transmission	Yes		Page Retransmission
3 Quick Memory Transmission	Yes		
4 Multi-Station Transmission (Sequential Broadcasting)	Yes		Max. 330 stations (280 One-Touch / Abbr. + 50 Full Number Dialing) Max. 1000 stations when the SD Memory Card is installed
5 Direct Deferred Transmission	No		ADF Deferred Transmission
6 Deferred Transmission	Yes		Max. 50 timers
7 Deferred Multi-Station Transmission	Yes		
8 Priority Direct Transmission	Yes		Priority ADF Transmission
9 Priority Memory Transmission	No		
10 Batch Transmission	Yes		Real Time (up to 5 Files)
11 90 Degree Rotation Transmission	No		
12 Cover Sheet	Yes		
13 Confidential Mail Box	No		
14 Multi-Copy Transmission	No		
15 Memory Back-Up	Yes		FAX: Back-up with Flash Memory. Copy / Printer: No Back-up with D-RAM
16 Duplex Scanning	Yes		Scan twice, Fax once

Items	Description		Remarks
	UF-7000/7100	UF-8000/8100	
Reception Features			
1	Substitute Reception	Yes	
2	Fixed Reduction	Yes	LTR/A4/LGL: 70 - 100% (in 1% Steps), Top & Left Alignment
3	Auto Reduction	Yes	LTR/A4/LGL: 70 - 100% (in 1% Steps), Top & Left Alignment
4	Overlap Printing	Yes	Page End Approx. 0.51 in (13 mm)
5	Receive to Memory	Yes	
6	Distinctive Ring Detector (DRD)	Yes	Specified Destinations only
7	90 Degree Rotation Reception	No	
8	Duplex Printing	Yes	
Polling			
1	Polling	Yes	
2	Turnaround Polling	No	
3	Multi-Station Polling	Yes	
4	Deferred Polling	Yes	
5	Deferred Multi-Station Polling	Yes	
6	Direct Polling Tx	No	
7	Memory Polling Tx	Yes	1 File
8	Preset Polling Password	Yes	
9	Temporary Polling Password	Yes	
10	Continuous Polling	Yes	
Convenience			
1	Panel Display	Yes	
2	Voice Contact	No	
3	Edit File Mode	Yes	With View Mode
4	Incomplete File Save	Yes	With View Mode
5	Automatic Fax Cover Sheet	Yes	

Items		Description		Remarks
		UF-7000/7100	UF-8000/8100	
Copy Features				
1 First Copy Time				
	Letter	25 sec.	19 sec.	
	A4	26 sec.		
2 Copy Speed				
	Letter	Approx. 15 cpm	Approx. 19 cpm	Paper Feed: 1st Paper Tray; Paper Exit: to Exit Tray; Continuous Copy Mode.
	A4	Approx. 14 cpm	Approx. 18 cpm	
3 Single Copy		Yes		
4 Multiple Copy		Yes		
5 Sort Copy only		Yes		
6 Enlargement		Yes		
7 Reduction		Yes		
8 Zoom		Yes		71% - 141%
Certainty				
1 Verification Stamp		Yes		
2 Header / Total Page Print		Yes		
3 Transaction Journal		Yes		200 Transactions / with View Mode
4 Comm. Journal		Yes		With Image
5 Last Ind. XMT Journal		Yes		
6 Power Failure Report		No		
Printout Lists				
1 One-Touch List		Yes		
2 ABBR. No. List		Yes		
3 Program List		Yes		
4 Address Book Search List		Yes		Auto Dialer List
5 Fax Parameter List		Yes		
6 File List		Yes		With View Mode
7 Ind. XMT Journal		Yes		
8 Directory Sheet		Yes		
Identifications				
1 Logo		Yes		25 Characters
2 Multiple Logo		No		
3 Character ID		Yes		16 Characters
4 Numeric ID		Yes		20 Digits

Items		Description		Remarks
		UF-7000/7100	UF-8000/8100	
Special Communications				
1	Password XMT / RCV	No		
2	Selective Reception	No		TSI Check
3	Relay XMT Request	No		
4	Relay XMT Center	No		
5	Confidential XMT / Polling	No		
6	Confidential Center	No		
7	Mailbox XMT / Polling	No		
8	Mailbox Center	No		
9	File XMT	No		
10	Received Fax Forward	Yes		Received File Transfer
11	Sub-address XMT	Yes		T. Routing
12	Sub-address Auto Routing	Yes		
13	NYSE	Yes		For USA and Canada only
14	Internet Fax Relay XMT	Yes		Internet Fax → Internet Fax → G3FAX
15	Email Relay XMT	Yes		PC → Internet Fax→ Internet Fax → G3FAX
16	Panafax Desktop	Yes		
Others				
1	Fax Access Code	Yes		
2	PIN Code Access	Yes		For USA and Canada only
3	Intelligent Redial (AI)	Yes		5 Files
4	Department Code	Yes		50 Departmental Codes
5	Power Saver Mode	Yes		
6	Self Diagnostic Function	Yes		
7	Remote Diagnostic Function	Yes		Specific Destinations only
8	Check & Call Function	Yes		
9	V.24 / Encryption Interface	No		
Firmware Update				
1	Local Update			
	SD Memory Card	Yes		
	USB Port	Yes		
2	LAN (Network)	Yes		

1.1.2. Printer Function

Items		Description		Remarks
		UF-7000/7100	UF-8000/8100	
Interface				
1	Centronics Parallel I/F	No		Ethernet 10Base-T/100Base-TX
2	LAN (Network)	Yes		
3	USB Port	Yes		
4	IEEE-1394	No		Firewire
Printer Function				
1	Printing Size	LGL / LTR / A4 / A5		Selectable 600 dpi, with Smoothing, the results are similar to PCL6 Printers (1200 dpi Interpolated).
2	Bypass	Yes		
3	Stapling	No		
4	Printing Resolution (dpi)	Max. 1200 (Interpolated) x 600 dpi		
5	Interface	USB / Ethernet		
6	OS	Win 98 / Win Me / Win NT 4.0 / Win 2000 / Win XP		
7	Printer Work Memory Size	20 MB		Not expandable
8	GDI	Yes		
9	PDL (PCL6)	Yes		Requires Optional PCL6 Emulation Kit and Optional Expansion Board.
10	PDL (PS3)	No		
11	Duplex Printing	Yes		Custom Size/Postcard Size is not available.
12	Collation Stack	Yes		
13	Status Monitor			
	Network	Yes		
	USB	No		
14	Network Status Monitor	Yes		
15	Smoothing	Yes		
16	Applicable PC	IBM PC, AT or Compatible		
17	Multi-Task Operation			
	Printing while Fax-XMT from Memory	Yes		
	Printing while Fax-RCV into Memory	Yes		
	Fax-XMT from Memory while Printing	Yes		
	Fax-RCV into Memory while Printing	Yes		

Items	Description		Remarks
	UF-7000/7100	UF-8000/8100	
18 Output to separate tray for Printing, Fax, Copy	No		
19 Font	Yes		Requires Optional PCL6 Emulation Kit
20 Secure Mailbox	Yes		Requires Optional SD Memory Card (256 MB or 512 MB). Max. 10 mailboxes.

1.1.3. Network Scanner Function

Items		Description		Remarks
		UF-7000/7100	UF-8000/8100	
Interface				
1	Centronics Parallel I/F	No		Ethernet 10Base-T/100Base-TX
2	LAN (Network)	Yes		
3	USB Port	No		Firewire
4	IEEE-1394	No		
Network Scanning Function				
1	Scanning Device	CIS		Excludes: Initializing Time, ADF slipping factor, and Data XMT Time. Letter size: for USA and Canada A4 size : for Other Destinations
2	Scanning Speed (ADF)			
	Mono			
	150dpi: 150 x 150	LTR : 2.2 sec A4 : 2.3 sec	LTR : 1.1 sec A4 : 1.1 sec	
	300dpi: 300 x 300	LTR : 4.4 sec A4 : 4.6 sec	LTR : 2.2 sec A4 : 2.3 sec	
	600dpi: 600 x 600	LTR : 8.8 sec A4 : 9.3 sec	LTR : 4.4 sec A4 : 4.6 sec	
	Color	No		
3	Halftone	256 Halftone shades		With Error Diffusion
4	Max. Document Size	Legal 8.5 x 14 in (216 x 2000 mm)		
5	Scanning Resolution (dpi)			
	Mono	600 x 600 300 x 300 150 x 150		Default: 300 dpi
6	OS	Win 98 / Me / Win NT 4.0 / Win 2000 / XP		
7	2-Sided Scanning	No		
8	File Format	Multi-page TIFF / PDF		
9	Completion Notice	Yes		Auto Pop-up on the PC Screen
10	Protocol	TCP/IP / Non-Std		
Network Address Features				
1	One Touch Address Keys	80		Shared with Fax/Internet Fax One-Touch Address, 80 in Total
2	Abbr. Address Numbers	20		Independent for Network Scanner

1.1.4. Internet Fax Function

Items		Description	Remarks
		UF-7000/7100/8000/8100	
Main Specifications			
1	Communication Protocols	SMTP / POP3 / MIME	
2	Max. Modem Speed	NA	
3	Coding Scheme	JBIG/MMR/MR/MH	
4	File Format	TIFF / PDF	Selectable (PDF formats are used for Scan-to-Email, current Internet Fax standards do not support these file formats)
5	Line Interface	RJ-45	Ethernet LAN
Scanner Mechanism			
1	Max. Document Size	Legal 216 x 2000 mm	
2	Effective Scanning Width	LTR : 8.3 in (212 mm) A4 : 8.2 in (207 mm)	Letter size: for USA and Canada A4 size : for Other Destinations
3	Scanning Resolution dpi x lpi (pel/mm x lines/mm)	Std : 203 x 98 (8 x 3.85) Fine : 203 x 196 (8 x 7.7) S-Fine : 203 x 391 (8 x 15.4) : 406 x 391 (16 x 15.4) 600dpi : 600 x 600 dpi	LAN: 600 dpi, 16 x 15.4 Scanning Resolution is available.
Printer Mechanism			
1	Printing Resolution	600 dpi	
2	Effective Recording Width	LTR : 8.1 in (207 mm) A4 : 7.9 in (201 mm)	
Transmission Features			
1	Multi-Task Operation	Yes	Convenient simultaneous G3 Fax and LAN operation.
2	Memory Transmission	Yes	
3	Sequential Multi-Station Transmission	Yes	
4	Simultaneous Multi-Station Transmission	Yes	Max. 330 stations (280 One-Touch / Abbr. + 50 Full Number Dialing) Max.1000 stations when the SD Memory Card is installed
5	Sender Selection	Yes	
6	G3 / Email Mixed Broadcasting	Yes	
7	Deferred Transmission	Yes	
8	Fax Forward	Yes	Received File Transfer
9	Sub-address RCV	Yes	Inbound Routing
10	Mail Header		
	Email Header Print Selection	Yes	All or From / To / Subject only
	Subject Line	Random Entry	

Items		Description	Remarks
		UF-7000/7100/8000/8100	
LAN Features			
1	Internet Fax Communication	Yes	
2	Internet Mail Reception	Yes	
3	Internet Fax Server Features		
	Internet Fax Relay XMT	Yes	Internet Fax → Internet Fax → G3FAX
	Email Relay XMT	Yes	PC → Internet Fax → G3FAX
	Received Fax / Email Forward	Yes	Local print available
	PC FAX Transmission	Yes	Panafax Desktop Only (Network)
	Inbound Routing	Yes	Using Sub-Address. Local print available
	Phone Book Registration from PC	Yes	Via Email or Network Address Editor
4	Internet Fax Parameters Registration via Email	Yes	
5	Internet Delivery Confirmation	Yes	With MDN
6	Network Scanning	Yes	600 dpi
7	Network Printing		
	LPR / LPD	Yes	600 dpi
	GDI	Yes	600 dpi
	PDL	Yes	Requires Optional PCL6 Emulation Kit and Optional Expansion Board.
8	DHCP Client	Yes	
9	LDAP	Yes	Lightweight Directory Access Protocol
10	TIFF Viewer	Yes	Selectable, PDMS / TIFF Viewer
11	NYSE	Yes	For USA and Canada only
Certainty			
1	Comm. Journal (w / Image)	Yes	
ID			
1	Email Address	Yes	

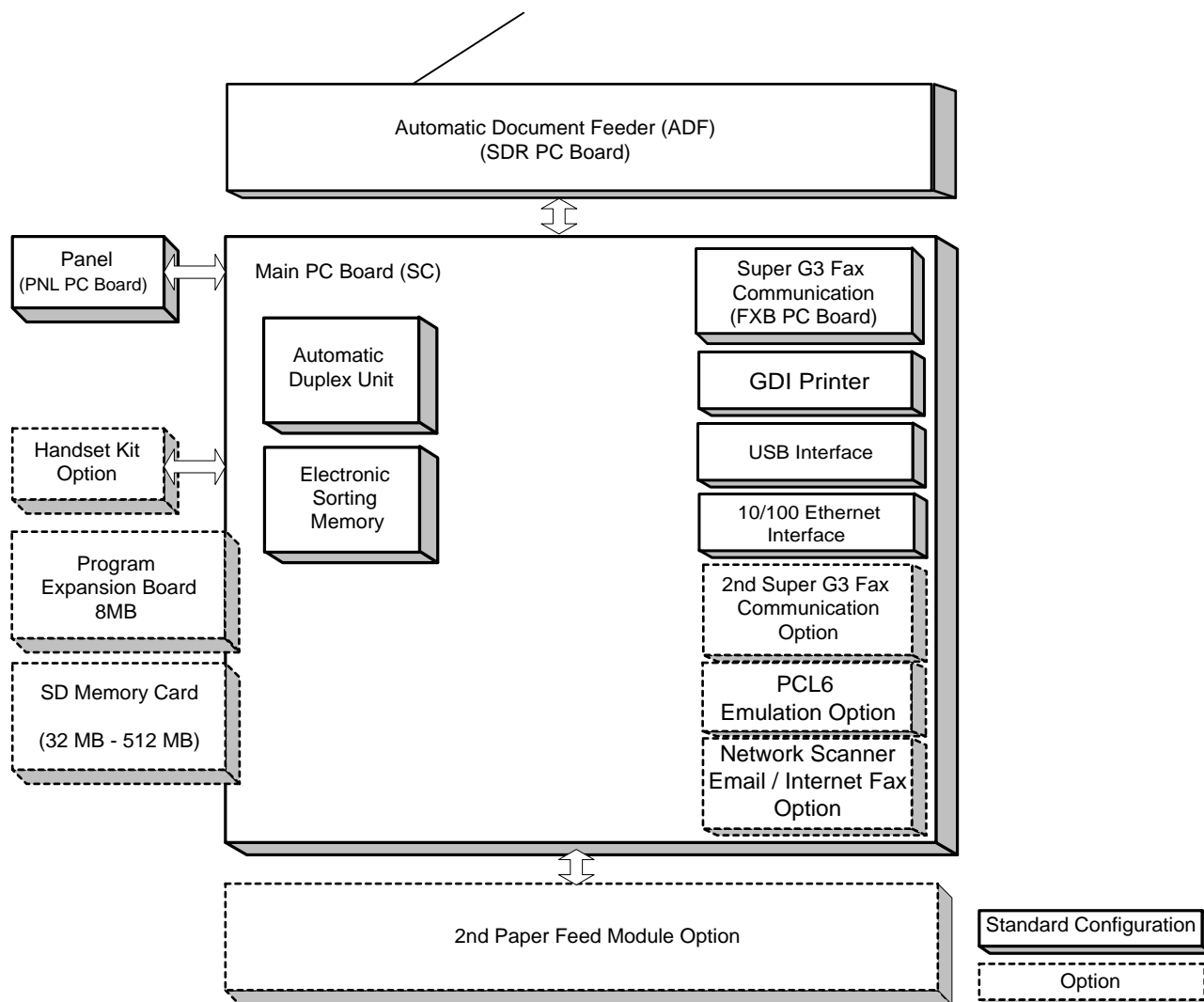
1.1.5. SD Memory Card**SD Memory Card Format Structure and Allocation by Function**

SD Memory Card Format Structure					
SD Memory Size (n MB)	32 MB	64 MB	128 MB	256 MB	512 MB
Max. Number of Pages	1,020	2,900	6,800	12,750	12,750
Memory Allocation Usage by Function					
Function	32 MB	64 MB	128 MB	256 MB	512 MB
1000-Station Auto-Dialer	Yes				
Job MIB Data	Yes				
G3 Fax/Internet Fax Scan-to-Email Scan-to-PC/File	Yes				
Mailbox/Secure Mailbox Print (See Note 5)	N/A	N/A	N/A	Yes (50 pages)	Yes (105 pages)

Note:

1. This function is available only when an SD Memory Card is installed.
2. Max. Number of Pages is based on ITU-T Image No.1 (A4, Standard Resolution).
3. Fax/Internet Fax XMT memory storage = Max. 255 pages/file, Max 50 Files; Scan to PC/File = Max. 999 pages.
4. Fax/Internet Fax RCV memory storage = Max. 999 pages.
With 2nd G3 Option installed = Max. 999 pages/Channel.
5. One Mailbox accepts a maximum of 20 print jobs. A 512 MB SD Memory Card stores approximately 105 pages of PCL bitmap print data, whereas a 256 MB SD Memory Card stores approximately 50 pages.
6. Once the SD Memory Card is installed, the standard Fax & Internet Fax Flash Memory and the Network Scanning D-RAM is no longer used.
7. Max. page number may differ depending on the manufacturer of the SD Memory Card.

1.2. System Combination



1.3. Options List

■ Options

Option Name	Option Number	Remarks
Printer Controller Module (PCL6*)	UE-404091	
Network Scan / Email / Internet Fax Kit	UE-404090	
2nd G3 Communication Port Kit	UE-407026	For UF-8000/8100 only
Accounting Software	DA-WA10	For Accounting Function
Expansion Board	DA-EM600	F-ROM Board (8 MB) is required for PCL printing.
SD Memory Card	----	32 MB up to 512 MB Use Genuine SD Memory Cards only
2nd Paper Feed Module	DA-DS188	
Handset Kit	UE-403171	For USA and Canada
	UE-403172	For Other Destinations Available in Specified Destinations
Deluxe Stand	DA1D190	For USA and Canada only

■ Supplies

Part Name	Part Number	Remarks
All in One Cartridge	UG-5530	For USA and Canada
	UG-5535	For Other Destinations

Note:

1. PCL6 is a Page Description Language of the Hewlett-Packard Company.
2. The Part Name(s) / Part Number(s) differ depending on the Models and the Destinations.
3. Genuine SD Memory Cards depict an SD Logo on their label.
(Panasonic's 512 MB Sample is shown below).



2 Maintenance, Adjustments and Check Points

2.1. Preventive Maintenance

Preventive maintenance is performed at specific intervals and consists of machine cleaning and parts replacement.

It is essential to perform these service activities properly and at the specified intervals for customer satisfaction.

The purpose of this service is to maintain machine performance and image quality.

- You should prepare the replacement parts, and cleaning tools beforehand.
- After completing the preventive maintenance, discard the used parts and packaging in accordance with local regulations and clean the surrounding area.
- Before servicing the equipment, disconnect the power cord from the wall outlet.
- Before using solvents such as IPA (Isopropyl alcohol), put on rubber gloves and eye protection.

1 Timing

- Perform the preventive maintenance in accordance with the Preventive Maintenance Check List (refer to 3.4) in the service manual.

2 Cleaning the Rollers

- Rollers should be cleaned with water and cloth.
- Use the IPA (Isopropyl Alcohol) sparingly.

3 Disassembly and Adjustment Precautions

CAUTION!

Turn the Power Switch on the Rear Side of the machine to the OFF position, and then unplug the AC Power Cord from the wall outlet before disassembling the machine. (During a Lightning Storm, to prevent electrocution disconnect the Telephone Line Cable first before unplugging the AC Power Cord.)

- After taking the unit apart, do not attempt to operate the machine.
- When operating the machine with covers removed, be careful and avoid clothing from being caught by moving components.
- While the electricity is applied to the unit, do not connect nor disconnect the connectors on any PC Board.
- Ensure to use correct screws.
- Use toothed lock washers for the installation of ground wires to ensure electrical continuity.
- To reassemble, reverse the sequence of disassembly, unless otherwise specified.
- Blown fuses should only be replaced with fuses of the same specified rating.

4 Laser Handling Precautions

The optical laser system employed by this photocopier is completely sealed by a protective housing and an external cover. Therefore, the laser beam will not stray or leak during photocopying operation.

However, when servicing the photocopier, take the following precautions:

1. Do not insert any screwdrivers or other tools that have high reflective properties into the laser's path.
2. Before servicing the machine, remove watches, rings, or other metallic objects that you may be wearing. (This is to avoid the danger of the laser striking the eye by reflecting off the metallic objects being worn.)

Since the laser beam cannot be seen with the naked eye, for maximum safety, please follow the above precautions.

5 Safety Interlock Switches

- The service technician may defeat the safety interlock switches by inserting a interlock cheater into the opening of the switch cover.
- Ensure to remove the interlock cheater from the switch cover after completion of service.

2.2. Required Tools

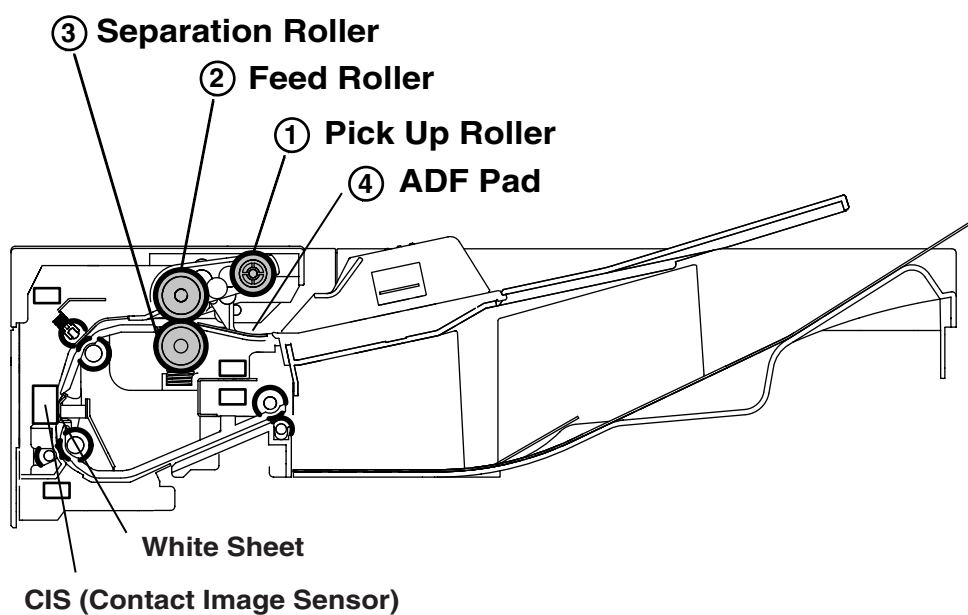
No.	Tools	No.	Tools
1	Soft Cloth	7	Pliers
2	Isopropyl Alcohol	8	Cotton Swab
3	Phillips Screwdriver (#2)	9	Brush
4	Stubby Phillips Screwdriver (#2)	10	KS-660 - Conductive Grease (Available from Shin-Etsu Silicones of America, Inc. URL: http://www.shinetsusilicones.com)
5	Slotted Screwdriver (3/32 in)	11	Molykote EM-50L Grease (Available from Dow Corning, URL: http://www.dowcorning.com)
6	Tweezer		

2.2.1. Preventive Maintenance Method

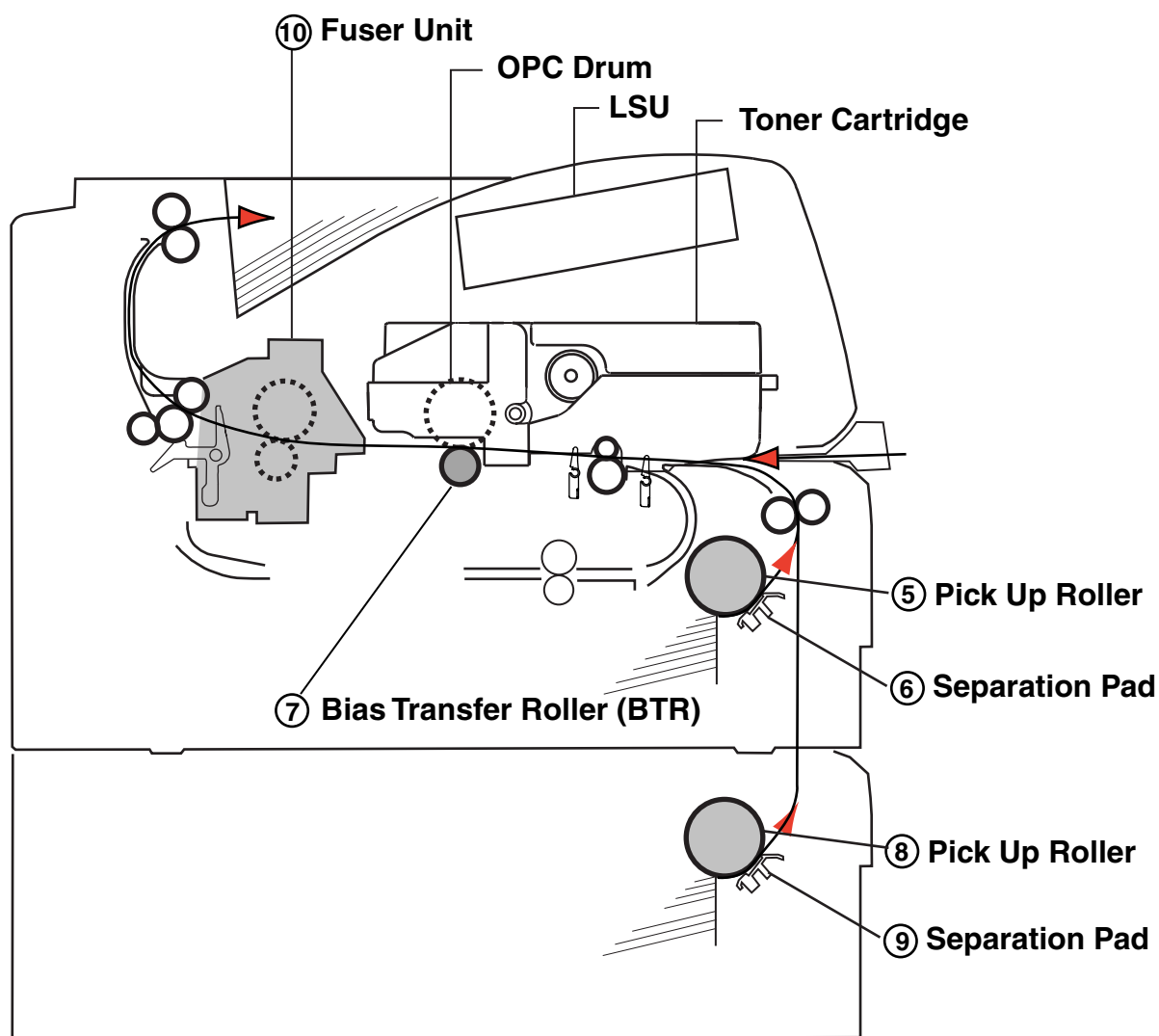
No.	Part Description	Important Action	Comments
1	Memory Data	Check	1. Print the RAM DATA for reference and as a precaution. 2. After completing the task(s), print and compare the RAM DATA with the previously printed one.
2	Auto Document Feeder (ADF)	Check & Clean	1. Clean the Rollers with Wet soft cloth (Water). Note: For stubborn toner accumulation, wipe with a soft cloth saturated with Isopropyl Alcohol first, then follow up with a soft cloth saturated with water.
3	Scanner Unit	Check & Clean	1. Clean the Scanning Glass or White Reference Sheet with Isopropyl Alcohol when required. 2. Clean it with Wet soft cloth.
4	Transmitter Unit	Check & Clean	1. Remove any foreign obstacles. 2. Clean the Rollers with Wet soft cloth (Water).
5	Inspection Items	Check	1. Check the Harnesses. 2. Check the Connectors. 3. Check the Screws. If required, replace consumable parts.
6	Gears, Rollers Shafts	Check & Grease	1. Check and grease the required Gears and Shafts.
7	Timing Belts	Check & Clean	1. Check for belt looseness or abrasion. 2. Adjust the Idle Pulley.

2.3. Preventive Maintenance Points

ADF & Scanner: Front View



Printer: Left Side View



2.4. Preventive Maintenance Check List

The chart outlined below is a general guideline for maintenance. The list is for an average usage of 50 transmitted and received documents per day. Needless to say, the environmental conditions and actual use will vary these factors. The chart below is for reference only.

No.	Preventive Maintenance Parts	Ref. No.	Cleaning		Replacement/Adjustment		Ref. Counter
			Cycle (Sheet)	Method	Cycle (Sheet)	Procedure	
ADF Unit							
1	Pick Up Roller	416	10K	Wet soft cloth	85K	Refer to 2.2.1. of the Service Manual	F7-08
2	Feed Roller	419	10K	Wet soft cloth	85K		
3	Separation Roller	403	10K	Wet soft cloth	85K		
4	ADF Pad	401	10K	Dry soft cloth	-		
Paper Feed Module							
5	Pick Up Roller	1416	10K	Wet soft cloth	85K	Refer to 2.2.8. of the Service Manual	F7-12
6	Separation Pad	1715	10K	Wet soft cloth	85K		
7	Bias Transfer Roller (BTR)	1603	10K	Dry soft cloth	85K	Refer to 2.2.9. of the Service Manual	
2nd Paper Feed Module							
8	Pick Up Roller	1833	10K	Wet soft cloth	85K	Refer to 2.2.11. of the Service Manual	F7-13
9	Separation Pad	1912	10K	Wet soft cloth	85K		
Fuser Unit							
10	Fuser Unit	1330	-	-	85K	Refer to 2.2.7. of the Service Manual	F7-02

Note:

1. Wet Cloth represents a soft cloth saturated with water.
For stubborn toner accumulation, wipe with a soft cloth saturated with Isopropyl Alcohol first, then follow up with a soft cloth saturated with water.
2. The Maintenance Cycle is based on the Counter Information for each individual module.
To verify the counter information, print the Total Counter List using the Service Mode: F7 - Electronic Counter - 00 (List Print).
3. Cleaning, Replacement and Adjustment Cycle (Sheet) are based on using Panasonic's recommended standard paper and supplies. These cycles may vary with the kind of paper used, Paper size, orientation, print duty, continuous/interval print and/or ambient conditions.

2.5. Updating the Firmware

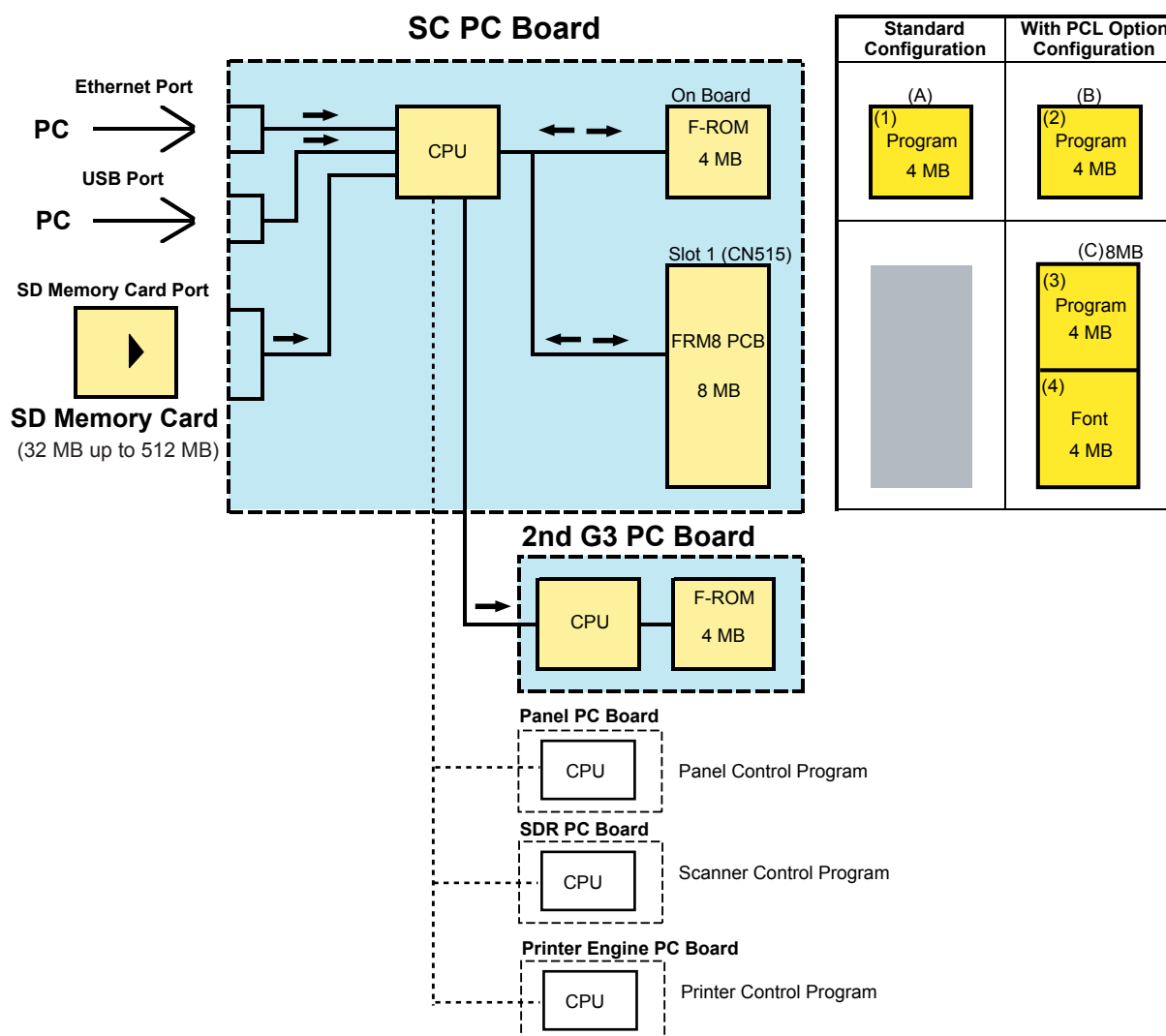
The Quick and Easy Methods of Updating the Firmware are to use the Network Firmware Program Tool (FUP) using Ethernet LAN Port and a Crossover Cable or to use a Master SD Memory Card. The Network FUP Tool version must be 3.XX or higher, and it can be found on the Panasonic Document Management System CD-ROM included with the main unit or on the CD-ROM included with the PCL option.

Refer to the Firmware Update Operation Instructions, Service Notes (8.1.) for additional details.

2.5.1. Firmware Configuration

A. Hardware Configuration

This machine is controlled by a Main CPU which is located on the System Control (SC) PC Board and other sub CPUs on the PCBs. The Firmware of SC PCB and 2nd G3 PCB can be updated using a PC or an SD Memory Card.



B. SC PC Board Firmware

The 4 MB Program Memory (F-ROM) is integrated on the SC PCB. An Optional Expansion 8 MB Program Memory (FRM8 PCB) can be installed into SLOT 1.

The Firmware to be written into the 4 MB onboard and the 8 MB of SLOT 1 depends upon Standard or PCL Option.

(1) Standard

The Standard Program (1) is only written into the 4 MB onboard, which is assigned as ROM Code (A).

(2) For PCL Option

The PCL Control Program (2) must be written into the 4 MB onboard, which is assigned as ROM Code (B). The PCL Control Program (3) and PCL Font data (4) are written into the 8 MB in the

SLOT 1. The Firmware (3) and (4) are assigned as ROM Code (C).

When using SD Memory Card (32 MB to 512 MB), the 8 MB Program (C) can be written onto one card.

C. 2nd G3 PC Board Firmware

The 4 MB Program Memory (F-ROM) is integrated on the 2nd G3 PCB. The Programs for 2nd Super G3 communication protocol Control is saved on the Board. The Firmware is transferred as Serial Data from the SC PCB.

D. Firmware Updating Ports

Three (3) types of Ports are available for updating the firmware.

(1) Ethernet LAN Port (The Quick and Easy Method)

The machine's Firmware can be updated using a PC via Local Area Network (LAN). Refer to the Firmware Update Operation Instructions.

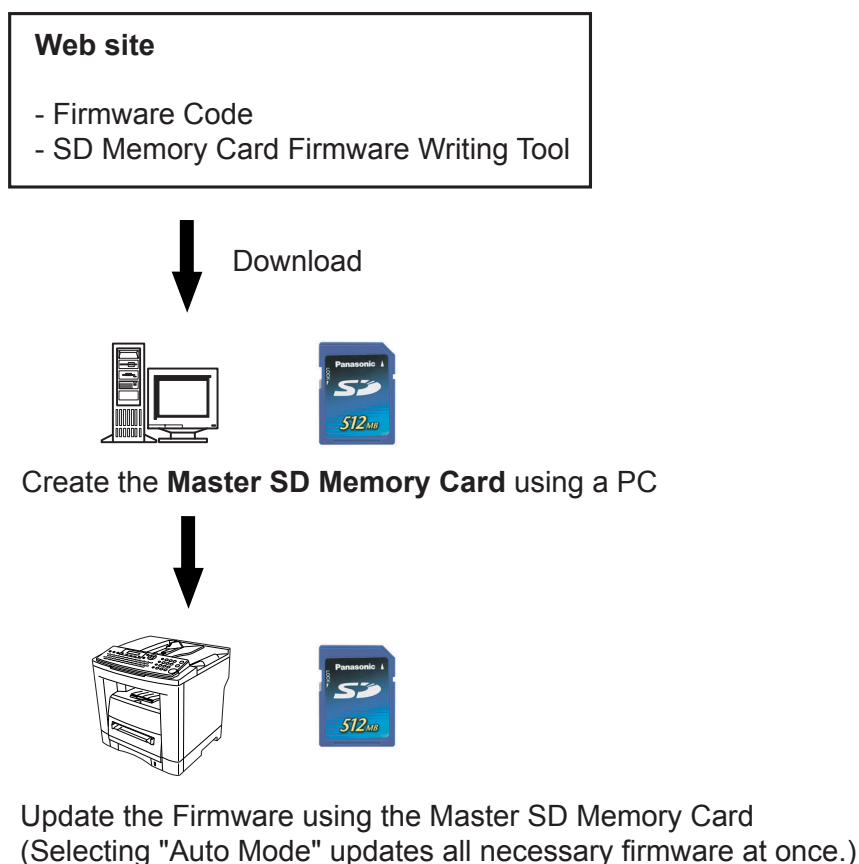
(2) USB Port (Alternate)

The machine's Firmware can be updated using a PC via USB Port.
Refer to the Firmware Update Operation Instructions.

(3) SD Memory Card (New Method)

The machine's Firmware can be updated using the Master SD Memory Card. The Master SD Memory Card can be created by copying the Firmware from the Web site using the SD Memory Firmware Writing Tool Software and a PC with SD Memory Card Slot or with an SD Memory Card Reader & Writer.

To update the SC PCB and 2nd G3 PCB, just one Master SD Memory Card (if the Card includes all necessary firmware codes) is required for the Standard or all option configurations, which includes the PCL and the 2nd G3 Fax. The easiest way is to use "Auto Mode" for updating all necessary firmware at once.



Note:

If the SD Memory Card will be used to update the Firmware of other machines, format the Card first with the Service Mode F9-15. Refer to 2.5.6. (Formatting the SD Memory Card)

2.5.2. Updating through a LAN Port (The Quick and Easy Method)

The firmware code can be easily updated when the main unit is connected to a LAN.

The Network Firmware Update Tool can also be used by connecting to the machine using a **crossover cable**, if the unit is not connected to a LAN.

1) Install the Network Firmware Update Tool to your PC

The option CD-ROM includes the Network Firmware Update Tool and the Main Unit Firmware Code. Please refer to the following Operating Instructions to install the Network Firmware Update Tool.

The installation password is "**workio**".

Operating Instructions:

\xFirmware\Tools\NwFirmup\NwFirmup OI.pdf (Refer to the [NW Firmware Update Tool OI](#) on the CD)

Setup:

\xFirmware\Tools\NwFirmup\Setup\Setup.exe

2) Preparing the Firmware Code

Double click the appropriate Destination Shortcut Batch File and copy the Firmware Code File on the CD-ROM to the Firmware Data Folder in your PC. Note that the files in the Archive will be extracted automatically into the designated folder when the Archived file (.exe) is Double-clicked.

Example:

From:

Destination Shortcut Batch File: D:(CD-ROM Drive) \ xFirmware \ USA.bat

Firmware Code File: UF-8000_AU_xxxxxx.exe or UF-7000_AU_xx_xxxxxx.exe

To:

Firmware Data Folder: C:\ Panasonic \ Panasonic-FUP \ Data

3) Preparing the Main Unit for the Firmware Upgrade

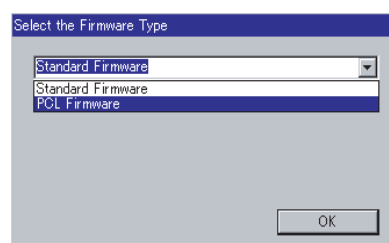
Make sure the unit's Key Operator Password is the same as the tool's password.

Make sure the unit is in an idle state (e.g. not making copies, not printing, etc.).

4) Upgrading the Main Unit's Firmware Code

Start the Network Firmware Update Tool and select the following **Firmware Code Folders** in the **C:\Panasonic\Panasonic-FUP\Data** folder, and then follow the display instructions to upgrade the Main Unit's Firmware Codes.

Parent Firmware File Folder	Sub Firmware File Folder
\ UF-8000_AU_xxxxxx or \ UF-7000_AU_xxxxxx	\ SC_STD \ UF-8000AxVxxxxx_xx
	\ SC_PCL \ UF-8000BxVxxxxx_xx
	\ fcB \ UF-8K_G3BAAVxxxxx_xx (UF-8000/8100)



When you select the Parent Folder, the following Firmware Type window appears. Proper Sub File Folders are selected automatically by selecting the Firmware Type.

The transferring order is set up automatically.

Note:

1. Manual mode must be used, when updating the designated version of the firmware or changing the type of the firmware.
Please refer to the Section 2.2, "**Setting up the Network Firmware Update Tool, File Selection Tab**" of the Operating Instructions.
2. While updating the firmware code, the display may become garbled, however, it will return to normal upon completion of the firmware update.
3. If the firmware update fails and the unit does not boot up, the Network Firmware Update Tool will not be able to transfer the firmware code. If this occurs, please refer to the next section "**Updating through the USB Port**" and use the Local Firmware Update Tool to recover the unit.
4. The suffix "_xx" for the Folder Name or File Name may not exist depending on the destination location.

2.5.3. Updating through USB Port (Alternate Method)

If the device is not connected to the LAN, upgrade the firmware code using the USB Port.

1) Install the Local Firmware Update Tool to your PC

The option CD-ROM includes the Local Firmware Update Tool and the Main Unit Firmware Code. Please refer to the following Operating Instructions to install the Local Firmware Update Tool.

Operating Instructions:

\\xFirmware\\Tools\\Firmup\\FIRMUP OI.pdf (Refer to the [Local Firmware Update Tool OI](#) on the CD)

Setup:

\\xFirmware\\Tools\\Firmup\\Setup\\Setup.exe

2) Preparing the Firmware Code

Double click the appropriate Destination Shortcut Batch File and copy the Firmware Code File on the CD-ROM to the Firmware Data Folder in your PC. Note that the files in the Archive will be extracted automatically into the designated folder when the Archived file (.exe) is Double-clicked.

Example:

From:

Destination Shortcut Batch File: D:(CD-ROM Drive) \\ xFirmware \\ USA.bat

Firmware Code File: UF-8000_AU_xxxxxx.exe or UF-7000_AU_xx_xxxxxx.exe

To:

Firmware Data Folder: C:\\ Panasonic \\ Panasonic-FUP \\ Data

3) Preparing the Main Unit for the Firmware Upgrade

Important: DO NOT connect the USB Cable yet.

Enter into Test Mode F9-07-01 to enable the unit to accept the programming code from the USB Port.

Now connect the USB Cable between the Unit and PC.

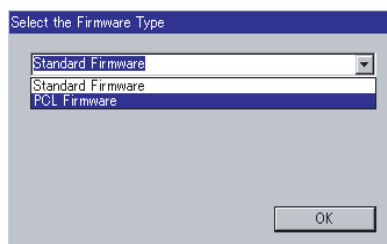
Repeat the above steps if there are additional firmware code files to be updated.

4) Upgrading the Main Unit's Firmware Code

Start the Local Firmware Update Tool and select the following **Firmware Code Parent File Folder** in the **C:\Panasonic\Panasonic-FUP\Data** folder, and select the Firmware Code Type then follow the display instructions to upgrade the Main Unit's Firmware Codes.

You must process each firmware file separately in this manner and sequence.

Parent Firmware File Folder	Sub Firmware File Folder	Firmware File
\ UF-8000_AU_XXXXXX or \ UF-7000_AU_XXXXXX	\ SC_STD \ UF-8000 A x\XXXXX_xx	UF-8000Ax\XXXXX_xx.bin
	\ SC_PCL \ UF-8000 B x\XXXXX_xx	UF-8000Bx\XXXXX_xx.bin UF-8000Cx\XXXXXa_xx.bin UF-8000Cx\XXXXXb.bin
	\ fcB \ UF-8K_G3BAAVXXXXX_xx	UF-8K_G3BAAVXXXXX_xx.bin (UF-8000/8100)



When you select the Parent Folder, the following Firmware Type window appears. Proper Firmware Files are selected automatically by selecting the Firmware Type. The transferring order is set up automatically.

Note:

1. While updating the firmware code, the display may become garbled, however, it will return to normal upon completion of the firmware update.
2. Please refer to the service manual for additional details.
3. The suffix "_xx" for the Folder Name or File Name may not exist depending on the destination location.

2.5.4. Updating the Firmware using the Master Firmware SD Memory Card

Caution:

Do not remove the SD Memory Card or turn the power OFF during Formatting or while Updating the Firmware.

Note:

1. When a New (Blank) SD Memory Card is detected for the first time, a prompt for Formatting will appear on the LCD. The machine will format the SD Card for DATA (used for Fax Image, 1,000 Station Auto Dialer, JOB MIB Data, etc.), and it takes approximately 3 to 12 min. to format depending on the manufacturer, SD Memory Card size or Data Access Speed of the SD Card.
2. To Update the Firmware or to Format an SD Memory Card using the F9-15 Service Mode takes approximately 5 sec. Refer to 2.5.6. (Formatting the SD Memory Card).

1) When a DATA SD Card is Not installed

1. Before starting, print the F5/F6 Parameters List (Copy Service Mode F9-03-00).
2. Turn the Power Switch on the back of the machine to the OFF position. (During a Lightning Storm, to prevent electrocution disconnect the Telephone Line Cable first before unplugging the AC Power Cord.)
3. Disconnect the Telephone Line, LAN and/or USB Cables.
4. Install the appropriate Master Firmware SD Memory Card into the machine.
5. Turn the Power Switch on the back of the machine to the ON position.
6. Press "FUNCTION", "ORIGINAL SIZE" keys and then Key "3" on the keypad sequentially.
7. Perform the Copy Service Mode F9-07-00 (Update From Master SD Card).
8. The firmware is copied into the machine.
Selecting the "Auto Mode", copies all the necessary firmware at once.
9. After the update is completed, the machine reboots itself and returns to standby.
10. Turn the Power Switch on the back side of the machine to the OFF position.

11. Remove the Master Firmware SD Memory Card from the machine.
12. Reconnect the Telephone Line, LAN and/or USB Cables.
13. Turn the Power Switch on the back of the machine to the ON position.
14. Reprogram the F5 & F6 Parameters according to the lists printed in Step 1 above if the settings are other than factory default.

2) When a DATA SD Card is installed

1. Before starting, print the F5/F6 Parameters List (Copy Service Mode F9-03-00).
2. Turn the Power Switch on the back of the machine to the OFF position. (During a Lightning Storm, to prevent electrocution disconnect the Telephone Line Cable first before unplugging the AC Power Cord.)
3. Disconnect the Telephone Line, LAN and/or USB Cables.
4. Remove the **DATA SD Card** from the machine.
5. Install the appropriate Master Firmware SD Memory Card into the machine.
6. Turn the Power Switch on the back of the machine to the ON position.
7. Press "FUNCTION", "ORIGINAL SIZE" keys and then Key "3" on the keypad sequentially.
8. Perform the Copy Service Mode F9-07-00 (Update From Master SD Card).
9. The firmware is copied into the machine.
Selecting the "Auto Mode", copies all the necessary firmware at once.
10. After the update is completed, the machine reboots itself and returns to standby.
11. Turn the Power Switch on the back side of the machine to the OFF position.
12. Remove the Master Firmware SD Memory Card from the machine.
13. Reinstall the **DATA SD Card** into the machine.
14. Reconnect the Telephone Line, LAN and/or USB Cables.
15. Turn the Power Switch on the back of the machine to the ON position.
16. Reprogram the F5 & F6 Parameters according to the lists printed in Step 1 above if the settings are other than factory default.

Note:

After the update is completed, the machine reboots itself and returns to standby mode.
Selecting the "Auto Mode", prompts the unit to check the configuration and installed options, and all the necessary firmware is updated automatically.
Confirm that the update was successfully completed by checking the Firmware Version with F9 Parameters F9-02-xx.

Caution:

If the unit does not boot up properly in Step 8, refer to 2.5.7. (Firmware Emergency Recovery)

2.5.5. Creating a Master Firmware SD Memory Card using a PC

1) Install the "SD Memory Card Firmware Writing Tool" to your PC.

The "SD Memory Card Firmware Writing Tool" can be downloaded from your sales company's Web Site. Please refer to the Readme file for additional details.

2) Preparing the Firmware Code

Double click the appropriate Destination Shortcut Batch File and copy the Firmware Code File on the CD-ROM to the Firmware Data Folder in your PC. Note that the files in the Archive will be extracted automatically into the designated folder when the Archived file (.exe) is Double-clicked.

Example:

From:

Destination Shortcut Batch File: D:(CD-ROM Drive) \ xFirmware \ USA.bat

Firmware Code File: UF-8000_AU_xxxxxx.exe or UF-7000_AU_xx_xxxxxx.exe

To:

Firmware Data Folder: C:\ Panasonic \ Panasonic-FUP \ Data

3) Preparing the Master Firmware SD Memory Card

1. Insert the SD Memory Card (32 MB to 512 MB) into the SD Memory Card Slot.
2. Perform the SD Memory Card Firmware Writing Tool.
3. After all firmware codes are copied, remove the SD Memory Card from the Slot.

The SD Memory Card is now ready to use for firmware update.

(Refer to the Local Firmware Update Tool OI on the CD and the SD Memory Card Firmware Writing Tool OI.)

2.5.6. Formatting the SD Memory Card

To make the Master Firmware SD Card, format the Card first by following the steps below. If the Card will be used to update the Firmware of other machines, format the Card first with the Service Mode F9-15.

Caution:

Do not remove the SD Memory Card or turn the power OFF during Formatting or while Updating the Firmware.

Note:

The Master Firmware SD Card can be installed or removed without turning the power OFF, however, an SD Memory Card formatted for DATA requires the power to be cycled OFF and ON after its installation or removal.

1) When a DATA SD Card is Not installed

1. Turn the Power Switch on the back of the machine to the OFF position. (During a Lightning Storm, to prevent electrocution disconnect the Telephone Line Cable first before unplugging the AC Power Cord.)
2. Disconnect the Telephone Line, LAN and/or USB Cables.
3. Turn the Power Switch on the back of the machine to the ON position.
4. Press "FUNCTION", "ORIGINAL SIZE" keys and then Key "3" on the keypad sequentially.
5. Enter the Service Mode F9-15 (SD Card Format).
6. Install the SD Card into the machine.
7. Perform the Service Mode F9-15 (SD Card Format).
8. After the SD Card is formatted, the machine goes to Service Mode F9.
9. Remove the SD Memory Card from the machine.
10. Press "STOP" first and then press "FUNCTION" + "CLEAR" keys sequentially to return to standby.
11. Turn the Power Switch on the back of the machine to the OFF position.
12. Reconnect the Telephone Line, LAN and/or USB Cables.
13. Turn the Power Switch on the back of the machine to the ON position.

Note:

Repeat steps 5 to 9 to continue formatting other SD Card(s).

2) When a DATA SD Card is installed

1. Turn the Power Switch on the back of the machine to the OFF position. (During a Lightning Storm, to prevent electrocution disconnect the Telephone Line Cable first before unplugging the AC Power Cord.)
2. Disconnect the Telephone Line, LAN and/or USB Cables.
3. Turn the Power Switch on the back of the machine to the ON position.
4. Press "FUNCTION", "ORIGINAL SIZE" keys and then Key "3" on the keypad sequentially.
5. Remove the **DATA SD Card** from the machine.
6. Enter the Service Mode F9-15 (SD Card Format).
7. Install the SD Card into the machine.
8. Perform the Service Mode F9-15 (SD Card Format).
9. After the SD Card is formatted, the machine goes to Service Mode F9.
10. Remove the SD Memory Card from the machine.
11. Reinstall the **DATA SD Card** into the machine.

12. Press "STOP" first and then press "FUNCTION" + "CLEAR" keys sequentially to return to standby.
13. Turn the Power Switch on the back of the machine to the OFF position.
14. Reconnect the Telephone Line, LAN and/or USB Cables.
15. Turn the Power Switch on the back of the machine to the ON position.

Note:

Repeat steps 6 to 10 to continue formatting other SD Card(s).

2.5.7. Firmware Emergency Recovery

The easiest method to recover the firmware in an Emergency Recovery routine is to use the Master SD Memory Card method (1 SD Memory Card required if the SD Memory Card capacity is Large enough size for all necessary Firmware).

If the Master SD Memory Card includes all necessary firmware as a package, all necessary firmware can be recovered once which including PCL option configurations, except the 2nd G3 Fax option.

After recovering, if optional 2nd G3 firmware is required, use the Network Firmware Update Tool, the Local Firmware Update Tool or use the Master SD Memory Card to update the firmware selecting the "Auto Mode" to the required level.

If the unit does not boot up properly, follow the steps below:

1. Turn the power OFF.

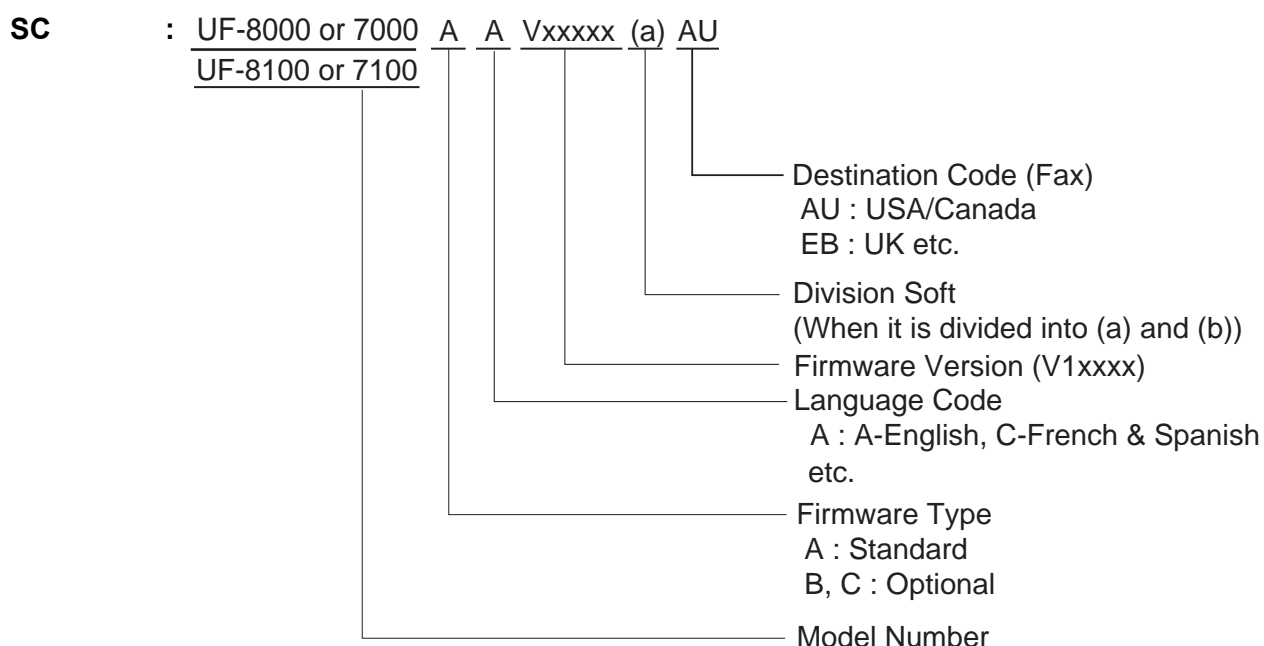
Before proceeding to the next step, you must create the Master SD Memory Card (read the appropriate sections first 2.5.5).

2. Turn the power On while holding the [ENERGY SAVER] button.
3. When the green lamp on the front panel turns On, release the [ENERGY SAVER] button.

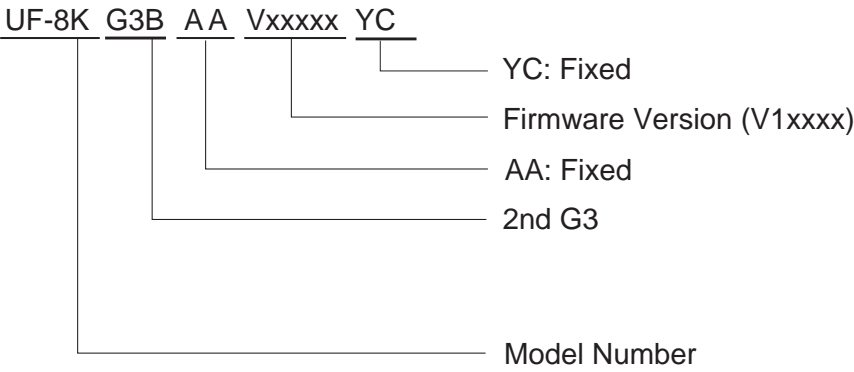
The unit is now ready to accept the firmware code from Master SD Memory Card.

If there is additional 2nd G3 firmware code file to be updated, use the Master SD Memory Card to update the firmware using the "Auto Mode" again.

2.5.8. Firmware Version



2nd G3 :



2.6. Adjusting the Printer Registration, LSU Image Side to Side

When installing the Paper Tray option, the following LSU Image Side to Side adjustment may be required. The Printer registration is adjusted at the factory.

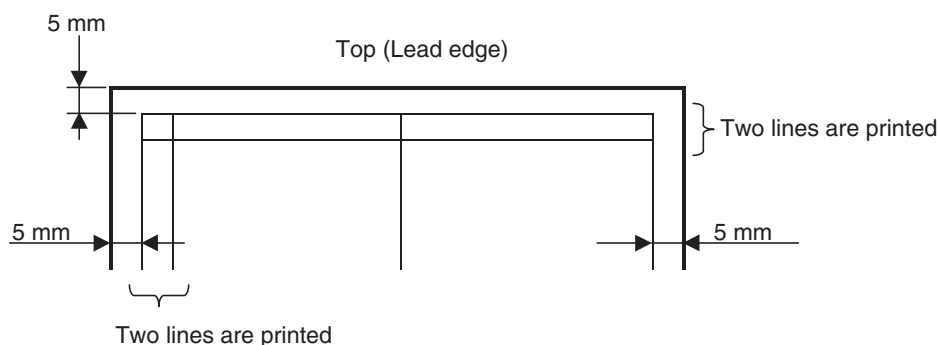
If copy image is abnormal, especially in the Rotation Copy mode, adjust it by the following procedure.

2.6.1. Printer Registration

1. Insert Letter or A4 size paper into the 1st tray and change the tray setting to the appropriate paper size. Empty all the remaining trays (including the bypass tray) to disable them.
2. Press "FUNCTION", "ORIGINAL SIZE" keys and then Key "3" on the keypad sequentially.
3. Perform the Service Mode F1-03 (Print Test Pattern 1).
4. Check the gap of the print pattern from the paper edge, refer to the Figure below.
5. Perform the Service Mode F6-04 (Printer Registration) to adjust the gap to be 5 mm.
6. If the gap is less than 5 mm, input a (-) value. If more than 5 mm, input a (+) value.
7. Press "STOP" first and then press "FUNCTION" + "CLEAR" keys sequentially to return to standby.

<Figure>

Two lines are printed on the top (Lead edge).
For Letter or A4, place as Portrait.



2.6.2. LSU Image Side to Side Adjustment for the Tray

1. Insert Letter or A4 size paper into the 1st tray and change the tray setting to the appropriate paper size. Empty all the remaining trays (including the bypass tray) to disable them.

Note:

Do not pull out the 1st tray to disable it when adjusting the 2nd tray. The 1st tray is required as it acts as a paper path for the paper in the 2nd tray.

2. Press "FUNCTION", "ORIGINAL SIZE" keys and then Key "3" on the keypad sequentially.
3. Perform the Service Mode F1-03 (Print Test Pattern 1).
4. Check the gap of the print pattern from the paper edge, refer to the Figure above.
5. Perform the Service Mode F6-10 to F6-12, to adjust the gap to be 5 mm.
6. If the gap is less than 5 mm, input a (+) value. If more than 5 mm, input a (-) value.
7. Proceed the above steps for other Tray.
8. Press "STOP" first and then press "FUNCTION" + "CLEAR" keys sequentially to return to standby.

2.6.3. LSU Image Side to Side Adjustment for the ADU

1. Insert Letter or A4 size paper into the 1st tray and change the tray setting to the appropriate paper size. Empty all the remaining trays (including the bypass tray) to disable them.
2. Press "FUNCTION", "ORIGINAL SIZE" keys and then Key "3" on the keypad sequentially.
3. Perform the Service Mode F1-06 (Print Test Pattern 4).
4. Check the gap of the print pattern from the paper edge, refer to the Figure above.
5. Perform the Service Mode F6-16 (ADU Side Adjust), to adjust the gap to be 5 mm.
6. If the gap is less than 5 mm, input a (+) value. If more than 5 mm, input a (-) value.
7. Press "STOP" first and then press "FUNCTION" + "CLEAR" keys sequentially to return to standby.

2.6.4. ADF Original Read Edge & ADF Main Scan Adjustments

1. Place the Original Document on the ADF.
2. Insert Letter or A4 size paper into the 1st tray and change the tray setting to the appropriate paper size. Empty all the remaining trays (including the bypass tray) to disable them.
3. Press "FUNCTION", "ORIGINAL SIZE" keys and then Key "3" on the keypad sequentially.
4. Perform the Service Mode F2 (Single Copy Test).
5. Check the Image size of the Copy and the Original as Portrait.
6. Perform the Service Mode F6-91 (Original Read Edge ADF), to adjust the ADF Original Read Edge.
7. If the gap is less than the Original, input a (+) value. If bigger than the Original, input a (-) value.
8. Perform the Service Mode F6-90 (ADF Image Read Start), to adjust the ADF Main Scan for Side position.
9. If the gap is less than the Original, input a (+) value. If bigger than the Original, input a (-) value.
10. Press "STOP" first and then press "FUNCTION" + "CLEAR" keys sequentially to return to standby.

3 Troubleshooting

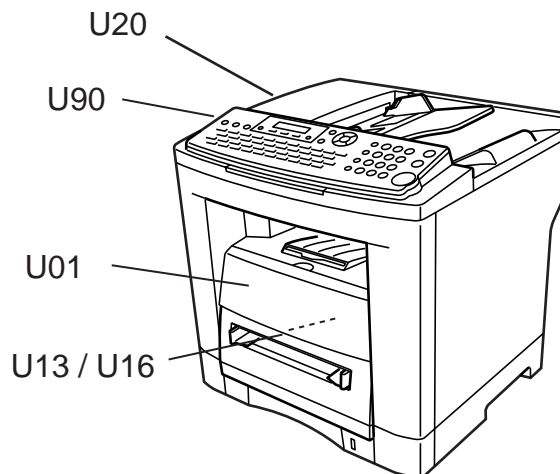
3.1. Error Codes (For Copier)

The self-diagnostic functions detect troubles in the important components of the copier. When trouble occurs, the machine stops.

Note:

Some Codes are not used in the UF-7000/7100/8000/8100 and are reserved for future use.

3.1.1. User Error Codes (U Code)



Note:

Uxx and a message will appear on the Panel Display.

User Error Codes (U Code) Table		
Code	Item	Check Points
U01	CLOSE FRONT COVER	1. Front Cover is open. 2. Front Cover Sensor is disconnected. 3. Front Cover Sensor is defective. 4. LVPS connector is disconnected. 5. LVPS is defective. 6. Engine PCB is defective.
U13	TONER IS RUNNING LOW or OUT OF TONER	1. Toner Cartridge is incorrectly installed. 2. Low Toner. 3. Toner Sensor is disconnected. 4. Toner Sensor is defective. 5. Engine PCB connector is disconnected. 6. Engine PCB is defective.
U16	NO CARTRIDGE	1. No Toner Cartridge.
U20	CLOSE ADF COVER	1. ADF Cover is open. 2. ADF is not installed correctly. 3. ADF Cover Sensor is disconnected. 4. ADF Cover Sensor is defective. 5. LVPS connector is disconnected. 6. LVPS is defective.
U90	REPLACE BATTERY	Backup Battery is wearing out.

3.1.1.1. Low Toner Messages / Operation

The Toner Cartridge Yield is approximately 5,000 pages using Letter or A4 size paper and 5% Black coverage, however, the maximum yield will not exceed 6,000 pages.

The machine controls the printer to maintain good print quality by controlling the Bias Voltage with the Low Toner Sensor and the Print Counter.

There are three Toner warning LCD Displays:

LCD 1: [TONER IS RUNNING LOW: U13]

Low Toner sensor detects Low Toner or the machine has printed 5,500 pages.

Preparing a new cartridge for replacement is recommended.

LCD 2: [WARNING TONER LOW LESS THAN 50 PAGES]

450 pages have been printed since the LCD 1 appeared.

Replacement with the new cartridge is recommended.

LCD 3: [OUT OF TONER: U13]

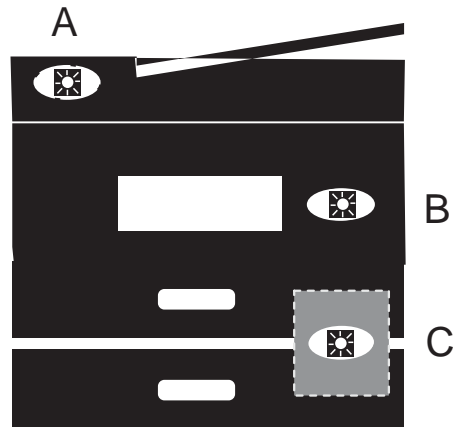
50 pages have been printed after LCD 2 appeared or 6,000 pages have been printed.

Replace with the new cartridge.

When replacing with a New Cartridge, perform the steps below to reset the Print Counter.

1. Press **"FUNCTION"** key.
2. Press **"7"** and **"8"** keys.
3. Press **"SET"** key.
4. Press **"5"** to enter **"05 TONER REPLACEMENT? PRESS SET TO SELECT"**.
5. Press **"SET"** key, then **"TONER REPLACEMENT? 1:Yes 2:No"**.
6. Press **"1"** key to reset the Print Counter.
7. Press **"STOP"** key to return to the Standby mode.

3.1.2. Jam Error Codes (J Code)

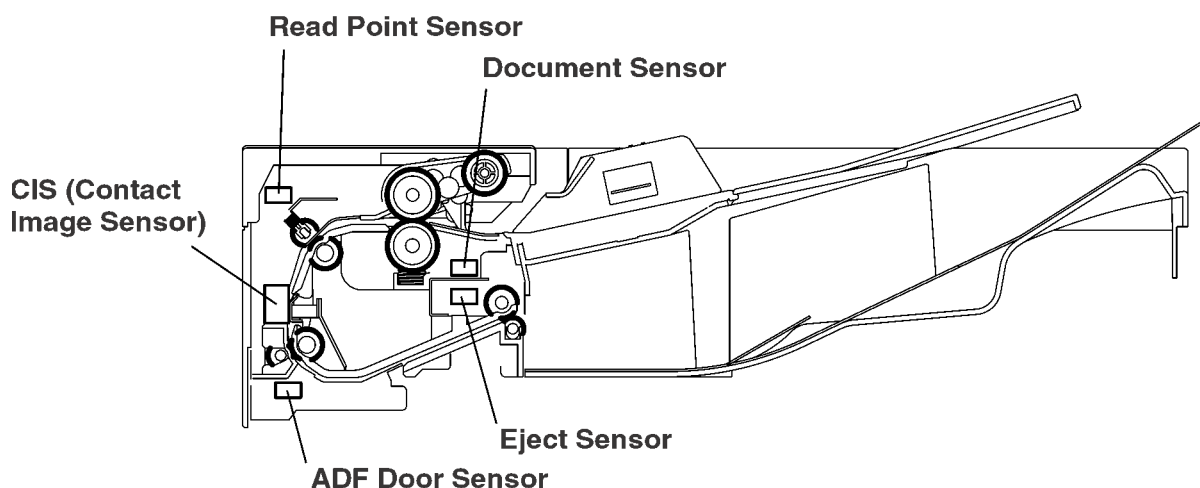


Section	Jam Location
A	ADF
B	Paper Transport / Exit Area
C	Paper Entry Area

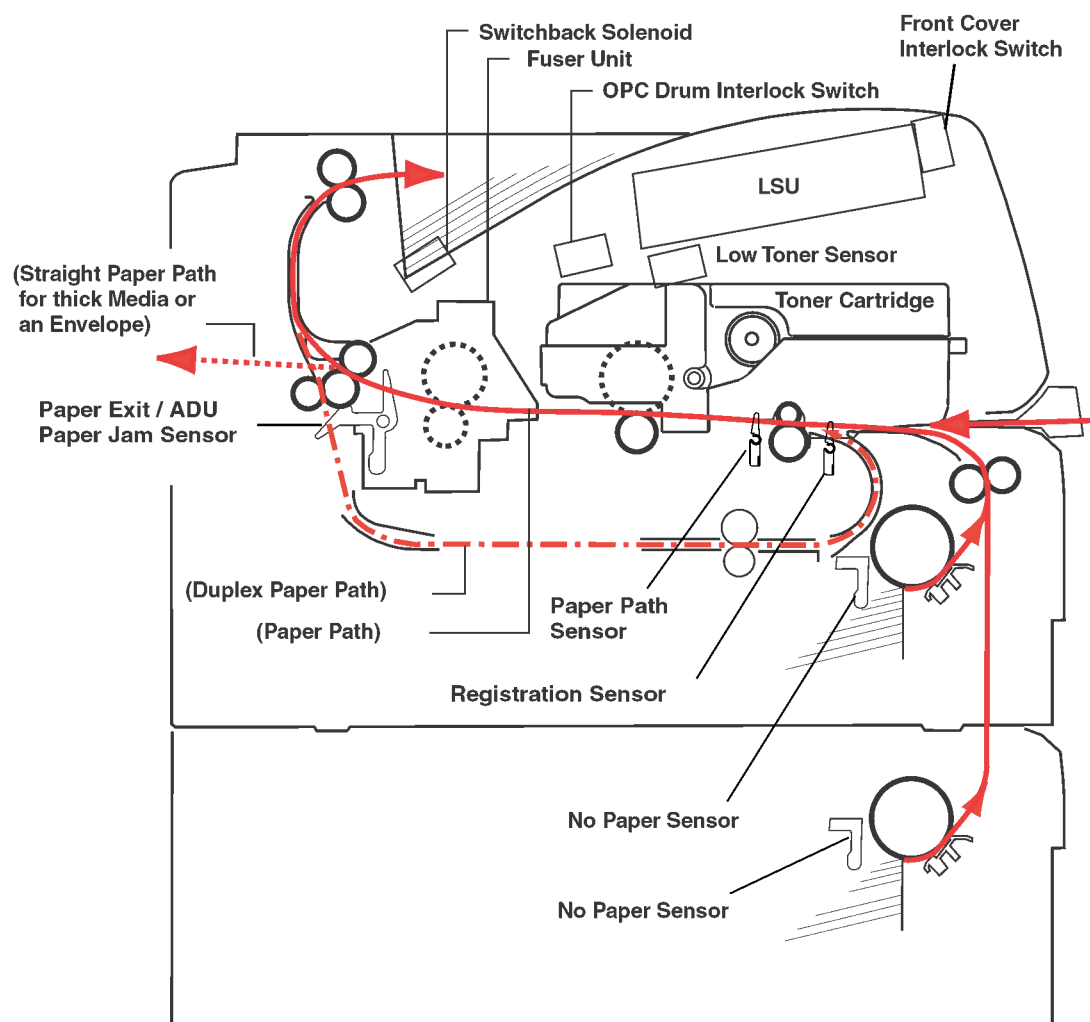
Jam Error Codes (J Codes) Table		
Code	Contents	Section
J00	The Registration Sensor did not detect paper within a predetermined time after paper started feeding. (Sheet Bypass)	C
J01	The Registration Sensor did not detect paper within a predetermined time after the Paper Feed Roller started rotating. (1st Feeder Unit)	
J02	The Registration Sensor does not detect paper within a predetermined time after the Paper Feed Roller started rotating. (2nd Feeder Unit)	
J43	Paper Jam in the Registration Sensor or Paper Path Sensor.	B, C
J44	Paper Jam in the Paper Exit / ADU Paper Jam Sensor.	
J71	Original was longer than 78.7 in (2m). (Information Code 031 or 032 is printed on the Transaction Journal instead.)	A
J72	Read Point Sensor does not go ON within 10 seconds after the original starts feeding. (Information Code 030 is printed on the Transaction Journal instead.)	
J74	The Exit Sensor does not go ON within a predetermined time after the Sensor is activated.	
J75	The Exit Sensor does not go OFF within a predetermined time after the Sensor is activated.	C
J80	The Automatic Duplex Unit (ADU) Entrance Sensor does not detect paper within a predetermined time.	
J82	The ADU Exit Sensor does not detect paper within a predetermined time after ADU Middle Sensor is activated.	
J83	The ADU Entrance Sensor keeps detecting paper after a predetermined time has lapsed.	A
J92	The Original was pulled out when feeding an original.	
J93	The Original remained in the ADF.	
J94	The ADF does not go off after the predetermined time. Unexpected Jam timing (i.e. Original is too short, etc.)	A

• Sensor and Switch Location

ADF: Front View



Printer: Left Side View



3.1.3. Mechanical Error Codes (E Code)

E1: Optical Unit Error		
Code	Function	Check Points
E1- 22	Polygon Motor Synchronization	1. Engine PCB connector is disconnected. 2. Engine PCB is defective. 3. Laser Unit is defective. 4. LVPS connectors is disconnected. 5. LVPS is defective. 6. SC PCB is defective.

E2: Lift DC Motor Error		
Code	Function	Check Points
E2	Not Applicable	-

E3: Development System Error		
Code	Function	Check Points
E3- 20	Main Motor Rotation	1. Drive Mechanism is defective. 2. Main Motor connector is disconnected. 3. Main Motor is defective. 4. Engine PCB connector is disconnected. 5. Engine PCB is defective. 6. LVPS is defective.

E4: Fuser Unit Error		
Code	Function	Check Points
E4- 01	Fuser Warm-up Temperature	1. Fuser Thermistor is dirty. 2. Thermistor position is incorrect. 3. Fuser temperature is low. 4. Thermistor is defective. 5. Fuser Lamp connector is disconnected. 6. Fuser Thermostat is defective. 7. Fuser Lamp is defective. 8. Engine PCB connector is disconnected. 9. Engine PCB is defective.
E4- 10	Exhaust Fan Motor Rotation (Fuser Unit Side)	1. Exhaust Fan connector is disconnected. 2. Exhaust Fan is defective. 3. LVPS connector is disconnected. 4. LVPS is defective. 5. Engine PCB is defective.

E5: System Error		
Code	Function	Check Points
E5- 11	Printer Engine Communication Abnormal	1. SC/Engine PCB connector is disconnected. 2. SC/Engine PCB is defective.
E5- 12	Main CPU/SDR Interface Error	1. SC/SDR PCB connector is disconnected. 2. SC/SDR PCB is defective.
E5- 19	Scanner Line Synchronization	1. SC/SDR PCB connector is disconnected. 2. SC/SDR PCB is defective.

E5: System Error		
Code	Function	Check Points
E5- 40	Sort Memory Abnormal	1. Sort Memory defective. 2. SC PCB connector is disconnected. 3. SC PCB defective.

E7: Optional Unit Error		
Code	Function	Check Points
E7- 90	Hardware Key Abnormal	1. Incorrect Hardware Key is installed. 2. Hardware Key is defective.

E13: Low Toner or Out of Toner		
Code	Function	Check Points
E13	TONER IS RUNNING LOW or OUT OF TONER	1. Toner Cartridge is incorrectly installed. 2. Out of Toner. 3. Low Toner Sensor is disconnected. 4. Low Toner Sensor is defective. 5. Engine PCB connector is disconnected. 6. Engine PCB is defective.

Note:

These error codes will appear only when the optional accessories are installed.

3.2. Information Code Table (For Facsimile)

Fax Information Codes				
Code	Mode	Phase	Description of Problem	Cause
001	RCV COPY	C, D	Leading edge of the recording paper fails to reach the Timing Sensor. (1st Tray)	Recording paper jam. Timing Sensor abnormal.
002	RCV COPY	C, D	Leading edge of the recording paper fails to reach the Timing Sensor. (2nd Tray)	Recording paper jam. Timing Sensor abnormal.
007	RCV COPY	C, D	1. Leading edge of the recording paper fails to reach the Paper Exit Sensor. 2. Recording paper has not completely passed the Paper Exit Sensor.	Recording paper jam. Paper Exit Sensor abnormal.
008			Paper Tray is opened while paper is feeding.	Paper Tray is opened.
010	RCV COPY	B, C	No recording paper.	No recording paper or paper is not set properly. No Paper Sensor is defective.
011	STANDBY	B, C	Paper Tray is not installed properly.	Connector is not installed properly.
012	RCV	C, D	The length of the received document is over 2 m.	Transmitter Document Jam.
017			Incorrect paper size loaded in the Paper Tray.	Paper size is incorrect.
030	XMT	B	Read Point Sensor does not go ON within 10 seconds after the document starts feeding.	Document is not set properly. Defective Read Point Sensor.
031	XMT COPY	C	Transmitting document was longer than 2 meter (or 78.7 in).	The document may jam. Defective Read Point Sensor.
041	STANDBY RCV COPY	B, C, D	Out of Toner.	No toner. Defective Low Toner Sensor.
043	STANDBY RCV COPY	B, C, D	Low Toner.	Toner is getting low. Defective Low Toner Sensor.
045	STANDBY	-	No Toner Cartridge.	Toner Cartridge has not been installed. Defective Toner Cartridge Sensor.
060	-	A	Printer Cover is open.	Cover is not firmly closed. Connectors are not firmly connected.
061	-	A	ADF Door is open.	Door is not firmly closed. Connectors are not firmly connected.
302	XMT RCV	B, C, D	No response of 2nd G3 PCB.	2nd G3 PCB is defective.

Fax Information Codes				
Code	Mode	Phase	Description of Problem	Cause
400	XMT	B	T1 timer (35 ± 5 sec.) elapsed without detecting 300 bps signal.	Incorrect number was dialed and the START button was pushed. Telephone line was disconnected while dialing. SC PCB or FXB PCB are defective. Receiver is defective. (It may only be transmitting CED)
401	XMT	B	DCN was returned from receiver while transmitter is waiting for CFR or FTT.	Your machine's ID Number is not programmed. Possible incompatibility or incorrect Password.
402	XMT	B	DCN was returned from receiver while transmitter is waiting for NSF/DIS.	Receiver working in non-ITU mode only. (Possible incompatibility)
403	RCV (Polling)	B	Transmitter had no polling function.	"POLLED=ON" (polling XMT ready) is not set at the transmitter. Document to be transmitted is not placed at the transmitter.
404	XMT	B	Transmitter sent NSS (or DCS) followed by TCF three times, but the receiver did not respond. (CFR or FTT is usually returned)	Receiver is defective. (Modem) SC PCB or FXB PCB are defective. Receiver disconnects line during first NSS (or DCS) is transmitted.
405	XMT	B	Transmitter received FTT after it transmitted TCF at 2400bps. Received RTN after communicating at 2400 bps.	Line quality is poor. (TCF is damaged due to line noise) Receiver is defective. (Modem, etc.) SC PCB or FXB PCB are defective.
406	RCV (Password Comm.)	B	XMT-Password mismatched. RCV-Password mismatched. Selective RCV incomplete.	XMT, RCV password does not match. Last 4 digits of TSI does not match with the last 4 digits of ONE-TOUCH, ABBR telephone number.
407	XMT	D	Transmitter received no response after it transmitted post message, such as EOP, MPS, EOM, etc...or received DCN.	Receiver is defective. (No paper, paper jamming, etc.) Receiver ceased receiving because of excessive error. (Line quality is poor) SC PCB or FXB PCB are defective.
408	XMT	D	Transmitter received RTN after it transmitted EOP, MPS, or EOM.	Receiver receives data with error. (Line quality is poor) Receiver is defective. (Modem, etc.) SC PCB or FXB PCB are defective.
409	XMT	D	Transmitter receives PIN after it transmitted a post message, such as EOP, MPS, EOM, etc.	Receiver receives data with error due to poor line quality, and receiving operator requests voice contact. Receiver is defective. (Modem, etc.) SC PCB or FXB PCB are defective.
410	RCV	D	Received DCN while waiting for post command. (EOP, MPS, EOM, etc.)	Interface or line is faulty. Transmitter is defective.
411	RCV (Polling)	B	Received DCN after transmitting NSC.	Transmitter is not ready for polling communication. Password does not match between transmitter and receiver.

Fax Information Codes				
Code	Mode	Phase	Description of Problem	Cause
412	G3 RX	B, D	No response within 12 seconds in NSS/DCS/MPS wait state. (After transmitting FTT)	Transmitter is defective. SC PCB is defective.
414	RCV (Polling)	B	No response received after transmitting 3rd NSC.	Password does not match between transmitter and receiver. Transmitter is defective. (No original, document jam, etc.)
415	XMT (Polling)	B	Remote side attempted to receive message from your machine in polling communication.	Inform the remote side that your machine does not have the polling transmission feature.
416	RCV	D	Receiver did not detect post command, such as EOP, MPS, EOM, etc.	Transmitter is defective. Line quality is poor. (RTC signal is distorted due to line noise) SC PCB or FXB PCB are defective.
417	RCV	C	Receiver returned RTN in response to post message.	Line quality is poor. (There are excessive errors in received data) SC PCB or FXB PCB are defective.
418	RCV	C	Receiver transmitted PIN in response to PRI-Q from transmitter. (Transmitting operator requests voice contact)	Line quality is poor. (There are excessive errors in received data) SC PCB or FXB PCB are defective.
420	RCV	B	T1 timer (35 sec.) elapsed without detecting 300 bps signal.	Incorrect incoming call type (voice). (Non-facsimile communication) Transmitter is defective. SC PCB or FXB PCB are defective.
421	RCV	B	Busy Tone is detected after sending NSF Signal.	Remote station disconnected the line. Wrong number is dialed.
422	XMT	B	Content of NSF (or DIS) or NSC (or DTC) was invalid.	There is an incompatibility.
427	G3 RCV	B	DCN received to NSF/CSI/DIS transmitted.	The interface is incompatible.
434	XMT or RCV	B	CD (response from Modem) did not turn OFF within 180 sec. after receiver detected FLAG signal.	Remote unit is defective. SC PCB or FXB PCB are defective.
436	G3 RX	C	DCN received after transmitting FTT.	Transmitter is defective or incompatible. Line quality is poor.
456	RCV	B	Received relay transfer request or confidential document to distribute to an end receiving station or all confidential mailboxes are used.	
457	RELAY XMT CONF. XMT/ POLL	B	Remote unit does not have Relayed XMT or Confidential Comm. capability.	
459	RCV	C	Failed training in Phase C.	Line quality is poor. (Training signal is distorted due to line noise) SC PCB or FXB PCB are defective.
490	RCV	C	Sum of error lines exceeded the limit (Function Parameter No. 70) of 64 lines.	Line quality is poor. SC PCB or FXB PCB are defective.

Fax Information Codes				
Code	Mode	Phase	Description of Problem	Cause
494	RCV	C	Interval between two EOLs was more than 10 sec. when receiver received message data.	Transmitter is defective. Line quality is poor. (EOL is damaged due to line noise) SC PCB or FXB PCB are defective.
495	XMT RCV	C	During reception, CD turned OFF or continued ON for long time. During communication, lost loop - current.	Line is disconnected. Transmitter is defective. SC PCB or FXB PCB are defective.
496	XMT	C	CS of modem is not able to turn ON.	FXB PCB is defective.
501	XMT/ RCV(V.34)	B	Remote unit does not have compatible Modem.	
502	XMT/ RCV(V.34)	B, C, D	During reception, CD turned OFF or continued ON for long time. During communication, lost loop - current.	Line is disconnected. Transmitter is defective. SC PCB or FXB PCB are defective.
503	XMT/ RCV(V.34)	B, C, D	CS of modem is not able to turn ON during training.	FXB PCB is defective. Line is disconnected.
504	RCV/V.34 (Polling)	B	Polling is rejected from the remote station.	No polling original is set.
505	XMT/V.34 (Polling)	B	Polling XMT is rejected.	No polling original is set.
540	XMT ECM	B	No response after transmitting 3rd CTC or DCN received.	Incompatible interface.
541	XMT ECM	D	No response after transmitting 3rd EOR or received DCN.	Line is faulty. FXB PCB abnormal.
542	XMT ECM	D	No response to the 3rd RR transmitted or received DCN.	Remote unit is abnormal.
543	XMT ECM	D	T5 timer (60 sec.) elapsed without MCF.	Remote unit is abnormal.
544	XMT ECM	D	Stopped Transmission after EOR Transmission.	Line is faulty. FXB PCB abnormal.
550	RCV ECM	C	Timer between frames in phase C has elapsed.	Defective remote station.
554	RCV ECM	D	Transmitted ERR after receiving EOR.	Line is faulty.
555	RCV ECM	D	Transmitted PIN after receiving EOR.	Line is faulty and Operator Call requested by RX side.
570	RCV	B	Password or machine code did not match during remote diagnostic communication.	
571	XMT	B	Remote unit did not have the remote diagnostic function.	
580	XMT	B	Sub-address transmission to a unit that has their DIS bit 49 (NSF bit 155) OFF.	Sub-address transmission to a unit that has no Sub-address function.
581	XMT	B	Sub-address Password transmission to a unit that has their DIS bit 50 (NSF bit 156) OFF.	Sub-address transmission to a unit that has no Sub-address function.

Fax Information Codes				
Code	Mode	Phase	Description of Problem	Cause
582	XMT	B	Sub-address SEP (for Polling) transmission to a unit that has their DIS bit 47 (NSF bit 130) OFF.	Sub-address transmission to a unit that has no Sub-address function.
601	XMT		ADF Door was opened during ADF transmission.	
623	XMT	A	No original was in the ADF. (Built-in dialer engaged)	Operator removed the original from the ADF after dialing was completed. Original was not set properly in the ADF.
630	XMT or RCV (Polling)	B	Redial count over.	No dial tone detected. Sensor dial tone is not detected. (destination dependent) Busy tone is detected. (destination dependent) T1 timer (35 ± 5 sec.) elapsed without a signal from the receiver.
631	XMT	A	"STOP" button was pressed during Auto Dialing.	
634	XMT	B	Redial count over with no response or busy tone was not detected. Note: U.S.A. and Canadian models will redial only once if a busy tone is not detected.	Telephone line cable is disconnected. Wrong number is dialed. SC or FXB PCB is abnormal.
638	XMT	LAN	Power turned Off with applicable data in memory or during communication.	Power switched off. Power failure occurred.
700	XMT RCV	PSTN LAN	Communication terminated by Operator pressing the "STOP" key.	
711	RCV	LAN	Incorrect LDAP settings.	LDAP Server Name, LDAP Login Name, LDAP Password and/or LDAP Search Base are incorrect.
712	XMT	LAN	Unknown email address replied from the Mail Server.	Mail Server received an incorrect email address. (Dependent on Server's Mail application)
714	XMT RCV	LAN	LAN Interface error. Cannot logon to the LAN.	The 10Base-T/100Base-TX cable is not connected. An unexpected LAN problem occurred. Check the SC PCB connector.
715	XMT	LAN	TCP/IP connection timed out.	Incorrect IP Address is set. Verify the IP Address, Default Router IP Address, SMTP Server IP Address.
716	XMT	LAN	Cannot logon to the LAN.	Incorrect SMTP Server IP Address is set. No email application is activated on the Mail Server.
717	XMT	LAN	Incomplete SMTP Protocol transmission.	Mail Server's hard disk may be full. Mail Server is defective.

Fax Information Codes				
Code	Mode	Phase	Description of Problem	Cause
718	XMT	LAN	Page Memory Overflow occurred while receiving printing data. The paper size selected within your application to print is larger than the paper size loaded in the Tray(s).	Check the document size and resolution. Ask originator to re-send in a supported size and resolution.
719	RCV	LAN	Received data via LAN is in a format that is not supported.	Ask the originator to re-send with a supported file attachment: * In a TIFF-F format. * Image data conforming to A4/Letter size.
720	POP	LAN	Unable to connect with the POP Server.	Incorrect POP Server address is set. POP Server is down.
721	POP	LAN	Unable to login to the POP Server.	Incorrect User Name or Password is set.
722	RCV	LAN	Failed to obtain the Network Parameters (such as: IP Address, Subnet Mask, Default Gateway IP Address, etc.) from the DHCP server.	LAN Cable is disconnected. DHCP is not available. (Contact the Network Administrator.)
725	XMT POP	LAN	DNS Server connection timed out.	Incorrect DNS Server address is set. DNS Server is down.
726	XMT POP	LAN	Received an error response from the DNS Server.	Incorrect POP Server address is set. Incorrect SMTP Server address is set.
727	XMT	LAN	Received an Error or No Response from the Remote Internet Fax. (SMTP Direct XMT)	Remote Internet Fax Errors: Busy or Job Number Overflow for Relay XMT. (Retry is possible)
728	XMT	LAN		Remote Internet Fax Errors: Memory Overflow or No Power. (Retry is not possible)
729	XMT	LAN	Failed to authenticate (SMTP AUTHENTICATION) when connecting with the SMTP server.	SMTP AUTHENTICATION, User Name and/or Password are incorrect. (Contact the Network Administrator.)
730	RCV	LAN	Unable to program the Internet parameters or the autodialer via Email from a PC.	Verify that the Fax Parameter #158 is set to Valid.
731	RCV	LAN	Dialer full while Relayed Transmission Request was received.	Dial buffer for manual number dialing (70 stations) is being used.
741	XMT, Polling	PSTN	Unable to dial	Deleted the registered station name before dialing with Timer Controlled Communications, etc.
742	XMT NYSE Fax Forward	PSTN LAN	Unable to forward to the pre-programmed Supervisor's Fax machine or PC. (USA and Canada Only)	Communication error with the pre-programmed Supervisor's Fax machine or PC. (Busy, No Response, etc.)
800	Relay Comm.	PSTN	The machine was requested to relay a document but has no Relay Hub capability.	

Fax Information Codes				
Code	Mode	Phase	Description of Problem	Cause
814	Conf. XMT Conf. Polling Relay Comm.	PSTN	The remote station does not have Relay XMT nor Confidential Communication capability.	
815	Conf. RCV	PSTN	Mailbox full.	
816	Conf. Polled	PSTN	The received Polling Password did not match.	
825	Conf. RCV Conf. Polled	PSTN	Parameter settings of the remote station are not properly set.	
870	MEM XMT MEM RCV	PSTN LAN	Memory overflow occurred while storing documents into memory.	Memory overflow on the Fax.
871	MEM XMT MEM RCV	PSTN LAN	Memory management file number and page number exceeded while storing documents into memory.	File number and page number overflow on the Fax.
880	-	-	File Access Error.	
884	-	-	File Access Error.	
961	RCV	LAN	Memory file access error.	SC PCB is defective.
962	XMT	PSTN	Memory file access error.	SC PCB is defective.
		LAN	Memory file access error.	SC PCB is defective.

Note:

When 2nd G3 option is installed, check FXB PCB or G3B PCB.

4 Service Modes

4.1. Service Modes (For Copier)

These Service Modes are provided to assist the technician in checking for abnormalities in the copier and a means of making adjustments to the Input/Output of major components.

Caution:

The factory default parameters are preset (country dependent) for optimum performance and in compliance with the local telecommunication regulations/standards, and do not need to be changed. Changing some of these parameters may cause the unit to be no longer compliant or become inoperable.

4.1.1. Service Mode Procedure

1. To select the Service Mode

The service mode is selected when "FUNCTION", "ORIGINAL SIZE" and "3" keys are sequentially pressed, then F1 will appear in the display.

2. To exit the Service Mode

The service mode is reset when the "FUNCTION" and "CLEAR" keys are pressed sequentially.

4.1.2. Copier Service Mode Functions

Service Modes (For Copier)				
Service Mode	Item			Function
F1	Self Test	00	Scanner LED Test	This test is used for checking the Scanner LED.
		01	LCD/LED Test	This test is used for checking the LCD and LEDs.
		02	Page Memory Test	This test is used for checking the Page Memory.
		03	Print Test Pattern 1	Prints the pattern for setting the Paper position alignment.
		04	Print Test Pattern 2	Prints the Slant pattern for setting the Paper position alignment.
		05	Print Test Pattern 3	Prints the Grid pattern for setting the Paper position alignment.
		06	Print Test Pattern 4	Prints the pattern for setting the Duplex Paper position alignment.
F2	Single Copy Test			One sheet is copied when the Start key is pressed.
F3	Continuous Copy Test			Multi copies are made when the Start key is pressed.
F4	Input / Output Status Test			The functioning of Input / Output items (selected item numbers) is checked.
F5	Function Parameters			Various function settings (selected by code numbers) can be changed.
F6	Adjust Parameters			Various function settings (selected by code numbers) can be adjusted.
F7	Electronic Counter			Electronic Counters for Maintenance
F8	Service Adjustment			Perform pseudo-operation of an item (selected by code numbers)

Service Modes (For Copier)		
Service Mode	Item	Function
F9	Unit Maintenance	Fax Service Mode Service Alert Tel # Firmware Version Print Device Info.

F5 / F6 Information List (Sample)

*****-F5/F6 INFORMATION LIST-***** DATE MMM-dd-yyyy *** TIME12:01 *** P.01

F5-00	.....		F5-50	Auto contrast adj.	Yes
F5-01	Frequency desired	60Hz	F5-51	Dept. Counter (COPY)	No
F5-02	.....		F5-52	Dept. Counter (FAX)	No
F5-03	.....		F5-53	2-sided auto shift	No
F5-04	LSU off timer	5 Sec.	F5-54	.....
F5-05	.....		F5-55	.....
F5-06	.....		F5-56	.....
F5-07	.....		F5-57	.....
F5-08	.....		F5-58	.....
F5-09	.....		F5-59	Oper.add toner alarm	Stop
F5-10	Exit Tray Limitation	None	F5-60	Auto Tray selection	Yes
F5-11	.....		F5-61	.....
F5-12	.....		F5-62	.....
F5-13	Paper out Indicator	On	F5-63	.....
F5-14	Paper size (Tray1)	Letter-R	F5-64	Dept. Counter (SCAN)	No
F5-15	Paper size (Tray2)	Letter-R	F5-65	Dept. Counter (PRINT)	No
F5-16	.....		F5-66	.....
F5-17	.....		F5-67	.....
F5-18	.....		F5-68	.....
F5-19	.....		F5-69	Reduce N in 1 space	No
F5-20	ADF	Auto	F5-70	PM cycle	120K
F5-21	.....		F5-71	.....
F5-22	.....		F5-72	.....

*****-F5/F6 INFORMATION LIST-***** DATE MMM-dd-yyyy *** TIME12:01 *** P.02

F6-00	.....		F6-50	T/P Image Density	0
F6-01	.....		F6-51	Photo Image Density	0
F6-02	.....		F6-52	.....
F6-03	Orig. Registration	0	F6-53	CCD Read Position	0
F6-04	Printer Registration	0	F6-54	Text Mode Contrast	0
F6-05	.....		F6-55	T/P Mode Contrast	0
F6-06	.....		F6-56	Photo Mode Contrast	0
F6-07	Registration Void	6	F6-57	.....
F6-08	Trail Edge Read Tim.	0	F6-58	.....
F6-09	Trail Edge Prt Tim.	-6	F6-59	.....
F6-10	Side Adjust (Bypass)	0	F6-60	.....
F6-11	Side Adjust (Tray 1)	0	F6-61	.....
F6-12	Side Adjust (Tray 2)	0	F6-62	.....
F6-13	.....		F6-63	Lead Edge Read Tim.	0
F6-14	.....		F6-64	Side Edge Read Adj.	0
F6-15	.....		F6-65	.....
F6-16	.....		F6-66	.....
F6-17	.....		F6-67	ADF Image Density	0
F6-18	.....		F6-68	.....
F6-19	.....		F6-69	Stamp Position Adj.	0
F6-20	.....		F6-70	.....
F6-21	.....		F6-71	ADF Read Scan Pos.	0
F6-22	.....		F6-72	Original Lead ADF:S	0

Machine Setup Information List (Sample)

*****-MACHINE SETUP INFORMATION-***** DATE MMM-dd-yyyy *** TIME12:01 *** P.01

1.MACHINE INFORMATION

MACHINE NAME : UF-8000
MAC ADDRESS : 08002301D3E5
SERIAL NUMBER :

2.FIRMWARE VERSION

SC : BAT208xxAU
SC BOOT : V803
PNL : V010018
SCANNER (SDR) : V00000
PRINTER : V00029
FAX MODEM : Ver 0801
G3B BOARD :
PDL FONT1 : CAV00000b
SC2 : CAT120810aAU

3.MEMORY CAPACITY

PAGE MEMORY : 32 MB
SORT MEMORY : 16 MB
FAX MEMRY : 12 MB

4.OPTION

2nd PAPER FEED MODULE : No
NETWORK SCANNER : Yes
EMAIL : Yes
PCL PRINTER : Yes
2nd G3 Board : Yes (UF-8000/8100)

5.ERROR LOG

TOTAL PRINT COUNT : 503

NO.	DATE & TIME	ERROR CODE	ERROR COUNT	NO.	DATE & TIME	ERROR CODE	ERROR COUNT
01	MMM-dd-yyyy 11:11 J97	XX-00000008					
02	MMM-dd-yyyy 11:31 J44	XX-00000140					
		(See Remarks)					

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***** - ***** - 0001- *****

Remarks:

XX-00000140

Page Count

00 : Printer Error
02 : Scanner Error

F7 Total Counter List (Sample)

*****-F7 TOTAL COUNTER LIST-***** DATE MMM-dd-yyyy *** TIME12:01 *** P.01

F7-01	Key Operator ID Code	:	000
F7-02	Total Count	:	295
F7-03	PM Count	:	295
F7-04	Scanner PM Count	:	61
F7-05	. . . . .	:
F7-06	OPC Drum Count	:	295
F7-07	Process Unit Count	:	295
F7-08	ADF PM Count	:	50
F7-09	. . . . .	:
F7-10	. . . . .	:
F7-11	Sheet Bypass Count	:	147
F7-12	1st Paper Tray Count	:	90
F7-13	2nd Paper Tray Count	:	0
F7-14	. . . . .	:
F7-15	. . . . .	:
F7-16	2-Sided Count	:	28
F7-29	. . . . .	:
F7-30	A4R/LTR Count	:	73
F7-31	. . . . .	:
F7-32	FLS/LG Count	:	0
F7-17	ADF Count	:	26
F7-18	ADF Read Count	:	26
F7-19	Scanner Count	:	61
F7-20	Scanner Read Count	:	18
F7-21	Copy Rint Count	:	59
F7-22	Copy Scan Count	:	180
F7-23	PC Rint Count	:	0
F7-24	PC Scan Count	:	3
F7-24	Fax Transmit Count	:	24
F7-24	Fax Receive Count	:	27
F7-24	Fax Print Count	:	21

Serial Number :

4.1.3. F4 Mode: Input/Output Status Test

Set the machine to service mode and press "4" key on the Keypad.



Press the "START" key.



Select "1:Check Input" or "2:Check Output" to activate the test then press "START" key.



Press "STOP" key to cancel the test.



When the "CLEAR" key is pressed, the selected code input will not be accepted.



Press "FUNCTION" and "CLEAR" keys sequentially to exit the service mode.

1. Check Input

F4 Mode (Check Input)										
No.	Function	Condition	Message Display							
			7	6	5	4	3	2	1	0
030	ADF B2 Sensor	Original is detected.							1	
	ADF Paper Exit Detection Sensor	Original is detected.						1		
	ADF Cover Open Detection Sensor	Cover is open.				1				
031	ADF Original Sensor	Original is detected.								1

2. Check Output

Press the "START" key to start and press the "STOP" key to reset.

F4 Mode (Check Output)			
No.	Item	Function	Remark
120	Lamp	When the SDR PCB P705-9 signal level changes to 0V from 3.5V, Lamp operates.	The CIS shall be replaced as the Assembly
160	ADF Paper Feed Motor Rotating (35% speed rotating)	ADF paper feed motor rotates at 35% speed.	
161	ADF Paper Feed Motor Rotating (100% speed rotating)	ADF paper feed motor rotates at 100% speed.	
162	ADF Paper Feed Motor Rotating (400% speed rotating)	ADF paper feed motor rotates at 400% speed.	
163	ADF Paper Feed Motor Reverse Rotating (35% speed rotating)	ADF paper feed motor rotates in reverse at 35% speed.	
164	ADF Paper Feed Motor Reverse Rotating (100% speed rotating)	ADF paper feed motor rotates in reverse at 100% speed.	
165	ADF Paper Feed Motor Reverse Rotating (400% speed rotating)	ADF paper feed motor rotates in reverse at 400% speed.	

F4 Mode (Check Output)			
No.	Item	Function	Remark
175	ADF Stamp Solenoid	When the ADF PCB CN25-2 signal level changes to 0V from +24V, Solenoid operates for 1 second.	

4.1.4. F5 Mode: Function Parameters (For Copier)

Set the machine to Service Mode and press "5" key on the Keypad.



Press the "START" key.



Enter the desired code number or press "V", "Λ" arrow keys.



If you wish to select another code number, scroll the menu with the arrow keys.



Press the "SET" key.



Enter the desired function code number and press "SET" key.



When the "CLEAR" key is pressed, the selected code input will not be accepted.



Press "STOP" key, then press "FUNCTION" and "CLEAR" keys sequentially to exit the service mode.



Reboot the machine after setting the parameter(s) to activate the setting(s).

F5 Mode			
No.	Item	Function	Default Setting
00	Not Used		
01	Frequency Desired	0 : Auto 1 : 50 Hz 2 : 60Hz	2 (for USA / Canada) 1 (for Europe)
02-03	Not Used		
04	LSU Off Timer	1 : 5 sec. 2 : 10 sec. 3 : 15 sec. 4 : 20 sec. 6 : 30 sec. 8 : 40 sec. 10 : 50 sec. 12 : 60 sec.	3
05-09	Not Used		
10	Exit Tray Limitation (Up to 150 Sheets)	0 : None 1 : Accumulate 2 : Job	0
11-12	Not Used		
13	Paper Out Indicator	0 : On 1 : Off	0
14	Paper Size (Tray 1) (UF-7000/8000)	4 : A4-R 12 : LEGAL 14 : LETTER-R	14 (for USA / Canada) 4 (for Europe / Others)
	Paper Size (Tray 1) (UF-7100/8100)	4 : A4-R 6 : B5-R 8 : A5-R 12 : LEGAL 14 : LETTER-R	

F5 Mode			
No.	Item	Function	Default Setting
15	Paper Size (Tray 2) (UF-7000/8000)	4 : A4-R 12 : LEGAL 14 : LETTER-R	14 (for USA / Canada)
	Paper Size (Tray 2) (UF-7100/8100)	4 : A4-R 6 : B5-R 12 : LEGAL 14 : LETTER-R	4 (for Europe / Others)
16-37	Not Used		
38	Duplex Mode Default	0 : No 1 : 1 to 2 2 : 2 to 2	0
39	Not Used		
40	Double Count	0 : No 2 : LGL	0
41	Count Up Timing	0 : At feed 1 : At exit	1
42	KEY/DEPT. Counter	0 : No 2 : DEPT.	0
43	Key Counter Timing	Same as F5-41	0
44-49	Not Used		
50	Auto Contrast Adj.	0 : No 1 : Yes	1
51	Dept. Counter (COPY)	0 : No 1 : Yes	1
52	Dept. Counter (FAX)	0 : No 1 : Yes	0
53-58	Not Used		
59	Oper. Add Toner Alarm	0 : Stop 1 : Continue	0
60	Auto Tray Selection	0 : No 1 : Yes	1
61-62	Not Used		
63	U13 Clear (UF-7100/8100 only)	0 : Any keys 1 : Func + 1	0
64	Dept. Counter (SCANNER)	0 : No 1 : Yes	0
65	Dept. Counter (PRINTER)	0 : No 1 : Yes	0
66-68	Not Used		
69	Reduce N in 1 Space	0 : No 1 : Yes	0

F5 Mode			
No.	Item	Function	Default Setting
70	PM Cycle	0 : No 1 : 1.5 K 2 : 2.5 K 3 : 5 K 4 : 10 K 5 : 15 K 6 : 20 K 7 : 30 K 8 : 40 K 9 : 60 K 10 : 85 K 11 : 90 K 12 : 120 K 13 : 150 K 14 : 200 K 15 : 240 K	0 (for USA / Canada) 10 (for Europe / Others)
71-78	Not Used		
79	Image Process Method	0 : Error Diffusion 1 : Dither	0
80	Paper Size Priority	4 : A4-R 5 : B5 7 : A5 9 : FLS1 10 : FLS2 12 : LEGAL 14 : LETTER-R	14 (for USA / Canada) 4 (for Europe / Others)
81	Foolscap Size	1 : FLS1 2 : FLS2	1
82-83	Not Used		
84	Paper Tray Priority	0 : S > C > B 1 : C > S > B	1
85	Side Void Setting (ADF)	0 : No 1 : Yes	0
86	PM Cycle (Optics)	0 : No 1 : 40 K 2 : 60 K 3 : 120 K 4 : 240 K 5 : 360 K 6 : 480 K 7 : 600 K	0
87	PM Cycle (ADF)	0 : No 1 : 40 K 2 : 60 K 3 : 120 K 4 : 240 K 5 : 360 K 6 : 480 K 7 : 600 K	0
88	USB Port Function	0 : Off 1 : Once 2 : On	0

F5 Mode			
No.	Item	Function	Default Setting
89	LAN Speed/Duplex	0 : Auto 1 : 10 Half 2 : 10 Full 3 : 100 Half 4 : 100 Full	0
90	Beep Sound	0 : Off 1 : Soft 2 : Loud	1
91-94	Not Used		
95	Paper Size (FA) (Factory use only)	0 : Japan 1 : USA/CAN 2 : Europe 3 : Other	1 (for USA / Canada) 2 (for Europe)
96-97	Not Used		

4.1.5. F6 Mode: Adjust Parameters (For Copier)

Set the machine to Service Mode and press "6" key on the Keypad.



Press the "START" key.



Enter the desired code number or press "V", "Λ" arrow keys.



If you wish to select another code number, scroll the menu with the arrow keys.



Press the "SET" key.



Enter the desired function code number and press "SET" key.



When the "CLEAR" key is pressed, the selected code input will not be accepted.



Press "STOP" key, then press "FUNCTION" and "CLEAR" keys sequentially to exit the service mode.



Reboot the machine after setting the parameter(s) to activate the setting(s).

Note:

1. The Factory Setting is different in each model.
2. To change the input value +/-, press "<", ">" cursor keys.
3. The machine may accept a (+/-) input value that exceeds the specified Setting Range for the parameters in the table; however, the actual registered value will not exceed the Upper/Lower Limitation value.

F6 Mode			
No.	Item	Remarks	Setting Range
00-03	Not Used		
04	Printer Registration	Delay time is adjusted from registration roller clutch ON.	-50 - +16 0.5mm
05-06	Not Used		
07	Registration Void	Registration void should be adjusted.	0 - +99 0.5mm
08	Not Used		
09	Trail Edge PRT Tim.	Adjustment of trail edge void.	-9 - +15 0.5mm
10	Side Adjust (Bypass)	Adjustment of LSU side-side (Sheet Bypass).	-8 - +7 0.5mm
11	Side Adjust (Tray 1)	Adjustment of LSU side-side (1st Tray).	-8 - +7 0.5mm
12	Side Adjust (Tray 2)	Adjustment of LSU side-side (2nd Tray).	-8 - +7 0.5mm
13-15	Not Used		
16	Side Adjust (ADU)	Adjustment of LSU side-side (ADU).	-8 - +7 0.5mm
17-38	Not Used		
39	LSU Unit PWM Adjust	Adjustment of PWM value of LSU.	-32 - +32
40	Trans Current Side 1	Adjustment of Transfer Current.	-77 - +76 0.15uA

F6 Mode			
No.	Item	Remarks	Setting Range
41-43	Not Used		
44	FAX Laser Duty Adj.	Printer Density Adjustment for FAX. (-) : Darker. (+) : Lighter.	-99 - +99
45	Not Used		
46	PRT Laser Duty Adj.	Printer Density Adjustment for Printer. (-) : Darker. (+) : Lighter.	-99 - +99
47-48	Not Used		
49	TEXT Image Density	Image density adjustment for Text mode. (-) : Darker. (+) : Lighter.	-99 - +99
50	Not Used		
51	PHOTO Image Density	Image density adjustment for Photo mode. (-) : Darker. (+) : Lighter.	-99 - +99
52-53	Not Used		
54	TEXT Mode Contrast	Adjustment of Contrast for Text Mode.	-128 - +127
55	Not Used		
56	PHOTO Mode Contrast	Adjustment of Contrast for Photo Mode.	-128 - +127
57-68	Not Used		
69	Stamp Position Adj.	Adjustment of verification stamp position.	-50 - +50 0.3mm
70-90	Not Used		
91	Original Lead ADF	Adjustment of original detection timing.	-99 - +99 0.3mm
92	Original Trail ADF	Adjustment of trail edge detection timing.	-90 - 127 0.3mm
93-98	Not Used		
99	F5/F6 Initialize	Initialize F5/F6 parameter settings.	

4.1.6. F7 Mode: Electronic Counter

Set the machine to Service Mode and press "7" key on the Keypad.



Press the "START" key.



Enter the desired code number or press "V", "Λ" arrow keys.



If you wish to select another code number, scroll the menu with the arrow keys.



Press the "SET" key.



Enter the desired function code number and press "SET" key.



When the "CLEAR" key is pressed, the selected code input will not be accepted.



Press "STOP" key, then press "FUNCTION" and "CLEAR" keys sequentially to exit the service mode.



Reboot the machine after setting the parameter(s) to activate the setting(s).

F7 Mode		
No.	Item	Remarks
01	Key Operator ID Code	Key Operator's identification code for access to the counter mode.
02	Total Count	Total count for all copies / prints.
03	PM Count	Preventive Maintenance count.
04-05	Not Used	
06	OPC Drum Count	PM count of recording paper fed through the OPC Drum.
07	Process Unit Count	PM count of recording paper fed through the Process Unit.
08	ADF PM Count	PM count of originals fed through the ADF.
09-10	Not Used	
11	Sheet Bypass Count	Total count of paper fed from the sheet bypass.
12	1st Paper Tray Count	Total count of paper fed from the 1st paper tray.
13	2nd Paper Tray Count	Total count of paper fed from the 2nd paper tray.
14-15	Not Used	
16	2-sided Count	Total count of 2-sided Print.
17	ADF Count	Total count of originals fed through the ADF.
18	ADF Read Count	Total count of originals scanned through the ADF.
19-20	Not Used	
21	Copy Print Count	Total count of copies printed.
22	Copy Scan Count	Total count of copies scanned.
23	PC Print Count	Total count printed from PC.
24	PC Scan Count	Total count scanned to PC.
25	Fax Transmit Count	Total count of Fax transmitted.
26	Fax Receive Count	Total count of Fax received.
27	Fax Print Count	Total count of Fax printed.
28-29	Not Used	
30	A4R / LTR Count	Total count of A4-R / Letter-R Print.

F7 Mode		
No.	Item	Remarks
31	Not Used	
32	FLS / LG Count	Total count of FLS / Legal Print.
99	All Counter Clear	All counters are cleared.

4.1.7. F8 Mode: Service Adjustment

Set the machine to Service Mode and press "8" key on the Keypad.



Press the "START" key.



Enter the desired code number or press "V", "Λ" arrow keys.



If you wish to select another code number, scroll the menu with the arrow keys.



Press the "SET" key.



Enter the desired function code number and press "SET" key.



When the "CLEAR" key is pressed, the selected code input will not be accepted.



Press "STOP" key, then press "FUNCTION" and "CLEAR" keys sequentially to exit the service mode.



Reboot the machine after setting the parameter(s) to activate the setting(s).

F8 Mode		
No.	Item	Remarks
00-05	Not Used	
06	Error Log View	a) Each time the arrow key is pressed, the machine errors or paper jam codes stored in memory are displayed, beginning with the oldest code. Note: Only the 30 most recent codes are displayed.
07	Error Log Clear	a) Press the Reset key. A Message "Error code can be cleared with the Start key" is displayed on the LCD.* b) Press the Start key.
08-17	Not Used	
18	C18 PRT PWM ADJ.PTN. (LSU PWM Pattern)	Print out the Test Pattern. Proceed when the LSU is replaced.
19-46	Not Used	
47	C47 ADF Scan Test	Place the document on the ADF first. Press START key to begin.
48-54	Not Used	

4.1.8. F9 Mode: Unit Maintenance

Set the machine to Service Mode and press "9" key on the Keypad.



Press the "START" key.



Enter the desired code number or press "V", "Λ" arrow keys.



If you wish to select another code number, scroll the menu with the arrow keys.



Press the "SET" key.



Enter the desired function code number and press "SET" key.



When the "CLEAR" key is pressed, the selected code input will not be accepted.



Press "STOP" key, then press "FUNCTION" and "CLEAR" keys sequentially to exit the service mode.



Reboot the machine after setting the parameter(s) to activate the setting(s).

F9 Mode						
Service Mode	Item				Remarks	
F9	Unit Maintenance	00	Fax Function Parameter			
		01	Service Alert Tel #			Displays the contact number when a machine malfunction occurs.
		02	Firmware Version	00	SC	Displays the firmware version for SC.
				01	SC Boot	Displays the firmware version for SC Boot.
				02	PNL	Displays the firmware version for PNL.
				03	Scanner	Displays the firmware version for SDR.
				04	Printer	Displays the firmware version.
				05	FAX Modem	Displays the firmware version for FAX.
				06	G3B Board	Displays the firmware version for G3B.
				07	SC2	Displays the firmware version for Slot 1.
		03	Print Device Info.	00	F5/F6 Parameters	Prints the memory contents of the F5 and F6 modes.
				01	Machine Information	Prints the machine setup information list.
				02	Counter Information	Prints the Counter information list.
				03	System Address Info.	Prints the system memory setting.
				04	RAM Address Information	Prints the RAM data dump list.
		04	RAM Edit Mode	1	Relative Address	Setting of Relative address.
				2	Absolute Address	Setting of Real address.
		05	Serial Number			Registration of Serial Number for Maintenance. Clears with Shipment Set.

CP-110001-01

F9 Mode							
Service Mode	Item					Remarks	
F9	Unit Maintenance	06	RAM Initialize	00	Parameter Initialize	Resets the Fax and Function parameters to default values.	
				01	All Job Clear	Clears all Jobs stored in Flash Memory.	
				02	LBP Error Log Clear	Clears LBP Error log	
				03	Shipment Set	Clears All Jobs, All Preset Data, Parameter Initialize & Resets the Counters (Fax).	
				04	LBP Fuser Reset	Clears the LBP fuser error.	
				05	Dept. Counter Clear		
				06	Flash Memory Clear		
		07	Firmware Update	00	Update from Card (SD Memory Card)	Updates the firmware in the machine with the Master Firmware SD Memory Card.	
				01	Update from USB	Updates the firmware in the machine using a PC via the USB port.	
		11	Parameter Backup				Backup the Parameter.
		12	Parameter Restore				Restore the Parameter.
		13	Page Memory Size				Displays the page memory size (MB).
		14	Sort Memory Size				Displays the sort memory size (MB).
		15	SD Card Format (SD Memory Card)				Format the SD Memory Card.

4.2. Service Modes (For Facsimile)

Caution:

The factory default parameters are preset (country dependent) for optimum performance and in compliance with the local telecommunication regulations/standards, and do not need to be changed. Changing some of these parameters may cause the unit to be no longer compliant or become inoperable.

4.2.1. Fax Service Mode Procedure

1. To enter the Fax Service Mode
 - a. Press "**FUNCTION**" and then "**7**" keys.
 - b. Press "**MONITOR**" four times, then press "*** (TONE)**".
 - c. Enter the desired code number or press the "**V**", "**^**" arrow keys.
2. To exit the Fax Service Mode
Press "**STOP**" key.

Note:

The following buttons provide these functions in the Service Mode:

- "START": : The new setting value is stored in the machine.
 "V" : Scroll the function parameter number down.
 "^" : Scroll the function parameter number up.

4.2.2. FAX Service Mode Table

The following service modes are provided to assist you in setting operational functions of the unit and determining the condition of the unit.

No.	Service Mode	Description
00	Not Used	
01	Function Parameter Setting	Allows changes to the function parameters (the home position, etc.).
02	RAM Edit Mode	Factory use only.
03	Print Parameter List / Report	Prints the Function Parameter List, Page Memory Test, Printer Report, All Document File, Protocol Trace and Toner Order Form.
04	Modem Tests	Generates various binary, tonal and DTMF signals, by the modem.
05	Not Used	
06	RAM Initialize	Initialize RAM and restore the default value of the function parameters. Note: Turn the Power Switch to the OFF and back to the ON position to enable the parameter settings.
07	Not Used	
08	Check & Call	Allows input of information for Service Alert Report, Maintenance Alert Report and Toner Order Form.
09	System Maintenance	Used for Firmware Update, Firmware Backup, Parameter Restore, Parameter Backup, Transferring Firmware from the PC to the Flash Card and Sending a Received File during a fatal printer error.
10	Firmware Version	Displays Firmware Version for SC, SC Boot, Panel, etc.

4.2.3. Fax Service Mode 1 (Function Parameter Setting)

Use the following procedure to change the function parameters.

Enter the desired code number and press "START" key.



If you wish to select another code number, scroll the menu with the "V", "/" arrow keys.



Select the desired function code and press the "START" key.



When the "CLEAR" key is pressed, the selected code input will not be accepted.



Press "STOP" key, then press "FUNCTION" and "CLEAR" keys sequentially to exit the service mode.

Function Parameter Table

No.	Parameter	Selections	Function
000	Monitor/Tel Dial	1 = Monitor 2 = Tel/Dial	Selects whether the machine starts to TX automatically during On-Hook dialing. Monitor : Start to TX after pressing START TEL/DIAL : Start to TX automatically
001	Alarm Status	1 = Off 2 = Timer 3 = Constant	Selects the No Paper or No Toner alarm status. OFF : Alarm is disabled. Timer : Alarm will shut off after 6 seconds. Constant : Alarm will not stop until "STOP" is pressed or the error is cleared/ corrected.
002	Stop Comm. JRNL	1 = Off 2 = On	Selects whether the machine prompts to print the COMM. Journal when the printout condition is set to INC and STOP is pressed during communication.
003	Continuous Poll	1 = Off 2 = Stn (Tx only) 3 = Hub (Rx only)	Selects whether the Continuous Polling feature is enabled. Stn : Place the document(s) on the ADF, then press the assigned One-Touch Key to store or add the documents into a polled file. (See Note 1) Hub : When the polling command is initiated, the machine will continuously poll originals from the remote stations until it is interrupted by pressing "STOP".
004	Numeric ID Set	1 = Off (will not accept) 2 = On (accepts)	Selects whether the machine accepts and allows to set or change the Numeric ID.

Function Parameter Table			
No.	Parameter	Selections	Function
005	Destination Code (UF-7100/8100 only)	000 : Austria 001 : U.K. 002 : Canada 003 : Denmark 004 : Taiwan 005 : Finland 006 : Germany 007 : Netherlands 008 : Italy 009 : Spanish 010 : Hong Kong 011 : Australia 012 : Switzerland 013 : Norway 015 : Portuguese 016 : Ireland 017 : Belgium 018 : Sweden 019 : Turkey 020 : U.S.A. 021 : France 022 : New Zealand 025 : Japan 029 : Poland 030 : Czech 031 : Russia 032 : Greece 033 : Hungary 034 : Indonesia 035 : South Korea 038 : Malaysia 039 : China 045 : Thailand 048 : South Africa 049 : Singapore 050 : Universal 051 : East Euro 999 : Initialize	Specified destinations only.
006	ID Display	1 = Number (Numeric ID) 2 = Chara (Character ID)	Selects the priority of displaying the ID.
007	JRNL Column	1 = Station 2 = RCV'D ID	Selects the contents of the ID to display on the Journal.
008	Monitor	1 = Off 2 = On	Selects whether the Monitor is ON/OFF for monitoring fax signals. (FOR SERVICE USE ONLY)
009	DC Loop	1 = Off (Normal) 2 = On (Off Hook)	Selects a false Off Hook state for back to back communication test.
010	TX Level	00 = 0 dBm ~ 15 = -15 dBm	Selects the TX signal output level, 0 to -15 dBm in 1 dBm steps.

Function Parameter Table

No.	Parameter	Selections	Function
011	RX Level	1 = -43 dBm 2 = -38 dBm 3 = -33 dBm 4 = -48 dBm	Selects the receiving sensitivity of -33/-38/-43/-48 dBm.
012	DTMF Level	00 = 0 dBm ~ 15 = -15 dBm	Selects the DTMF output level, 0 to -15 dBm in 1 dBm steps.
013	G3 RX EQL	1 = 0dB 2 = 4dB 3 = 8dB 4 = 12dB	Selects the cable equalizer for G3 reception mode, 0dB, 4dB, 8dB or 12dB.
014	G3 TX EQL	1 = 0dB 2 = 4dB 3 = 8dB 4 = 12dB	Selects the cable equalizer for G3 transmission mode, 0dB, 4dB, 8dB or 12dB.
015 ~ 016	Not Used		
017	TX Start	2400 bps 4800 bps 7200 bps 9600 bps TC7200 TC9600 12000 bps 14400 bps	Selects the transmission modem start speed, 14400/12000/TC9600/TC7200/9600/7200/4800/2400 bps. (Press "V" or "Λ" to select the symbol rate.) Note: This parameter is applicable only when communicating with regular G3 machines. When communicating with Super G3 (V.34) machines, use Parameter No. 32.
018	RX Start	2400 bps 4800 bps 7200 bps 9600 bps TC7200 TC9600 12000 bps 14400 bps	Selects the reception modem start speed, 14400/12000/TC9600/TC7200/9600/7200/4800/2400 bps. (Press "V" or "Λ" to select the symbol rate.) Note: This parameter is applicable only when communicating with regular G3 machines. When communicating with Super G3 (V.34) machines, use Parameter No. 33.
019	ITU-T V.34	1 = Off 2 = On 3 = Select	Selects whether the ITU-T V.34 is Off, On or Select. Select: Select whether the ITU-T V.34 is Off or On, when entering Phone Book Dialing Numbers or Manual Number Dialing.
020	ITU-T ECM	1 = Off (Invalid) 2 = On (Valid)	Select the ECM mode.
021	EP Tone	1 = Off (without EP Tone) 2 = On (with EP Tone)	Selects whether to add the echo protect tone on V.29 mode. (Used when Echo Suppression is disabled.) On : Add Off : Do not add
022	Signal Interval	1 = 100 ms 2 = 200 ms 3 = 500 ms	Selects the time interval between the receiving signal and the transmitting signal.
023	TCF Check	1 = Normal (Short) 2 = Long	Selects the TCF check interval Long/Short
024	CED Frequency	1 = 1080 Hz (non ITU-T) 2 = 2100 Hz	Selects the CED frequency 2100/1080 Hz

Function Parameter Table			
No.	Parameter	Selections	Function
025	COMM. Start-Up	1 = First 2 = Second	Selects the communication start-up condition (XMT and Polling). (Used when Echo Suppression is disabled.)
026	Non-Standard	1 = Off (Invalid) 2 = On (Valid)	Selects own mode (Panafax mode).
027	Short Protocol B	1 = Off (Invalid) 2 = On (Valid)	Selects the short protocol mode.
028	Short Protocol D	1 = Off (Invalid) 2 = On (Valid)	Selects the short protocol mode. When activated, it allows the machine to automatically store the modem speed for each Auto Dial Number.
029	Remote Diagnostics	1 = Off (will not accept) 2 = On (accepts)	Selects whether the machine accepts Remote Diagnostics from the service station.
030	CED & 300 bps	1 = 75 ms 2 = 1 sec	Selects the pause interval between the CED and the 300 bps signal. (Used when Echo Suppression is disabled.)
031	RTC = EOL x 12	1 = Off (EOLx6) 2 = On (EOLx12)	Selects the RTC signal, EOLx6 or EOLx12.
032	V34 TX Start	2400-33600bps	Selects the transmission modem start speed for V.34 communication, 33600-2400 bps. (Press "V" or "Λ" to select the symbol rate.)
033	V34 RX Start	2400-33600bps	Selects the receiving modem start speed for V.34 communication, 33600-2400 bps. (Press "V" or "Λ" to select the symbol rate.)
034	V34 TX SR	2400-3429sr	Selects the transmission symbol rate for V.34, 3429/3200/3000/2800/2400 sr. (Press "V" or "Λ" to select the symbol rate.)
035	V34 RX SR	2400-3429sr	Selects receiving symbol rate for V.34, 3429/3200/3000/2800/2400 sr. (Press "V" or "Λ" to select the symbol rate.)
036	Not Used		
037	Protocol Display	1 = Off (not displayed) 2 = On (displayed)	Selects whether to display the modem speed during communication. (Press the Job Status Key to display)
038	Not Used		
039	Flash Time	5 = 50 ms ~ 100 = 1000 ms	Selects the pause interval before activating the Flash key.
040	Flash Time (PSTN)	5 = 50 ms ~ 100 = 1000 ms	Selects the pause interval before activating the Flash key. (For Germany, Austria and Czech)
041	Pause Time	1 = 1 sec. ~ 10 = 10 sec.	Selects the pause interval from 1 sec. ~ 10 sec. for dialing through a switchboard or for international calls.
042	Not Used		
043	Redial Interval	0 = no waiting ~ 15 = 15 minutes	Selects the redial interval from 0 to 15 minutes in 1 minute steps.

Function Parameter Table

No.	Parameter	Selections	Function
044	Redial Count	0 = no redial ~ 15 = 15 times 0 ~ 9 (For Australia Only)	Selects the redial count from 0 to 15 times in 1 step intervals. Note: In order to comply with the TBR21 requirement for the EC destinations, do not select 15 times.
045	Ring Detect Count	1 = 1 ring ~ 9 = 9 rings	Selects the ring detection count from 1 to 9 rings in 1 ring step intervals.
046	On-Hook Time	0 = 0 sec. ~ 90 = 90 sec.	Selects the on-hook time between sequential communication calls in 1 second step intervals.
047	Response Wait Interval	1 = 1 sec. ~ 90 = 90 sec. 20 ~ 150 sec. (For France Only)	Selects the waiting interval for the response after completing the dialing.
048~ 049	Not Used		
050	Ring Detect Mode	1 = Normal 2 = Rough	Selects the quality of ringer detection. Use if the line signal is out of regulation, set to "Rough" so that the unit may detect the ringing signals.
051	Not Used		
052	Pulse Rate	1 = 10 pps 2 = 20 pps	Selects the dial pulse rate 10/20 pps.
053~ 054	Not Used		
055	Busy Tone Check	1 = Off 2 = On	Selects whether to detect the Busy Tone.
056	Dial Tone Check (Except for USA and Canada)	1 = Off 2 = On	Selects whether to detect Dial Tone before dialing the telephone number.
057	DC Loop Check (Except for USA and Canada)	1 = Off 2 = On	Selects whether the unit checks the DC Loop during communication.
058	Comm. JRNL + Image	1 = Off (without image) 2 = On (with image)	Selects whether the machine prints the COMM. Journal with image.
059	Not Used		
060	Version	Indicates the Host software version.	
061	TX/RX/PRT/CPY	TX:***** PRT:***** RX:***** CPY:*****	Displays the transmitted, received, total printed and copied document count.
062	Print Counter	1 = Off 2 = On	Selects whether to print in the Fax Parameter List, the counter information that is displayed in the Function Parameter No. 61.
063~ 067	Not Used		

Function Parameter Table			
No.	Parameter	Selections	Function
068	NYSE Fax Forward (USA and Canada Only)	1 = Off 2 = On	Selects whether the machine will forward the incoming and outgoing faxes to a specified station. Note: Once this parameter is activated, Fax Forwarding via Fax Parameter 054 is automatically disabled, an Access Code of "0000" is automatically assigned and Fax Parameter 038 has a new setting added called "NYSE".
069	NYSE Local Print (USA and Canada Only)	1 = Inc 2 = On (Always)	Selects the printing condition for the incoming faxes after FAX Forwarding. INC. : Prints only if FAX Forwarding fails. ON : Always prints.
070	Line Error	128 lines 256 lines 512 lines 1024 line 2048 lines Off (will not disconnect line)	1. Selects the line disconnect condition during reception. If the number of line errors exceed this setting, the unit will disconnect the line. Press "V" or "Λ" to select the symbol rate. 2. Selects the transmit condition of RTP/PIP or RTN/PIN. (Available if No.73 Error Detect is set to "LINES") (See Note 1)
071	Total Error	1 = 5% 2 = 10% 3 = 15% 4 = 20%	Selects the transmit condition of RTP/PIP or RTN/PIN. (Available if No.73 Error Detect is set to "RATE".) (See Note 2)
072	Continuous Error	1 = Off (unlimited) 2 = 3 lines/STD 3 = 6 lines/STD 4 = 12 lines/STD	Selects the continuous total error criteria of Off/3/6 or 12 lines in Standard mode. If continuous total error exceeds this setting, the unit will transmit RTN/PIN. (Available if No.73 Error Detect is set to "RATE".)
073	Error Detect	1 = Lines 2 = Rate	Selects the error detect condition Lines/Rate.
074	RTN Receive	1 = Disconnect 2 = Continue	Selects whether to disconnect the phone line or continue when "RTN" is received.
075	Coding	1 = MH (MH only) 2 = MR (MH or MR) 3 = MMR (MH or MR or MMR) 4 = JBIG	Selects the coding scheme.
076	Batch TX (USA and Canada Only)	1 = Off 2 = On	Selects whether the batch transmission is available.
077	RX JAM Length	1 = Off (unlimited) 2 = 2 m	Selects the maximum length of a received document that can be printed.
078~079	Not Used		
080	Doc Top Feed	-99 ~ +99	Adjusts the distance between the scanning sensor ON position and the scanning start position.
081	Doc End Feed	-90 ~ +127	Adjusts the distance between the scanning sensor OFF position and the scanning end position.

Function Parameter Table

No.	Parameter	Selections	Function
082	JAM Length	1 = 1 m 2 = 2 m	Selects the maximum length of the original that can be scanned.
083	Not Used		
084	Line As No Paper	1 = Ring (ring) 2 = Busy (keep line busy)	Selects whether to ring or send a busy tone to the remote station when the recording paper runs out or the unit cannot receive because of any trouble.
085~ 086	Not Used		
087	Darker Level	0 = Lightest Contrast	Selects the contrast level. 0← →15 Lightest← →Darkest
088	Normal Level	~	
089	Lighter Level	15 = Darkest Contrast	
090~ 091	Not Used		
092	Smoothing	1 = Off 2 = On	Selects whether the smoothing function is available.
093 ~ 094	Not Used		
095	Reduction Ratio	(70-100)	Selects Print Reduction Ratio(%).
096 ~ 109	Not Used		
110	MAC Address		Indicates the MAC Address.
111	Not Used		
112	Insert EMAIL TXT	1 = Off 2 = On	Selects whether the Text Template (email message) is programmable and added on all email sent in the message body above the top line of text. (Up to 40 characters Programmed in the User Parameters.) Note: After enabling this feature, aside from entering the text in the User Parameters, it also has to be activated in each Auto Dial Number before it will take effect. It does not work for Direct Dialed Numbers.
113 ~ 114	Not Used		
115	Time Zone	1 = Scroll 2 = Direct	Selects the setting method for Time Zone. Scroll : Allows using "Scroll Keys" to scroll through the Time Zone Table. Direct : Allows you to input the Time Zone directly, (*) key to be used as a switch between +/-.
116	Overwrite Warning	1 = Yes 2 = No	Selects whether the Overwrite Warning is included on the Internet FAX Result Receipt when programming the Auto Dialer via email.
117~ 121	Not Used		
122	LDAP	1 = Off 2 = On	Selects whether to use the LDAP Server. Special characters used in the LDAP, may not be recognized and display incorrectly.

Function Parameter Table			
No.	Parameter	Selections	Function
123	One Ring Sound (USA and Canada Only)	1 = Off 2 = On	When Function Parameter No. 45 "Ring Detect Count" is set to 1 Ring, and this parameter is enabled (On), the machine will only ring once out loud, answering on the second ring count.
124 ~ 199	Not Used		
200 ~ 299	-		See Note 5

Note 1: Continuous Polling (Station Mode)

This feature allows you to Store or Add documents into a Polled file in memory.

To enable the Continuous Polling feature set the **Function Parameter No. 003** to **"2:STN"** (Station).

Depending on the setting of the **User Parameter (Facsimile) "No. 119: QWERTY KEYBOARD"**, one of the following operations is available:.

1. One-Touch

The upper "40" (40↑) Key is reserved for "Store 4 Polling" function, and cannot be changed.

To prepare document(s) to be polled, simply place the document(s) on the ADF, then press the "-" (40) Key on the Keyboard (40↑ = LOWER Indicator turned OFF) to Store or Add document(s) into a Polled file.

2.Quick Name Search

Press "S" (13) Key to search the "Store 4 Polling" name instead.

To prepare document(s) to be polled, simply place the document(s) on the ADF and press the "S" (13) Key to search for "Store 4 Polling", then press "START" Key to Store or Add document(s) into a Polled file.

(**Note:** If a regular polled file is stored in memory, the Program Key for Continuous Polling will not be accepted.)

Note 2: Function Parameter No. 070 (Line Error)-Transmit condition of RTP/PIP or RTN/PIN

Signal	Setting					
	1:128	2:256	3:512	4:1024	5:2048	6:Off
MCF/PIP	0-31	0-63	0-127	0-255	0-511	Always
RTP/PIP	32-63	64-127	128-255	256-511	512-1023	-
RTN/PIN	64-127	128-255	256-511	512-1023	1024-2047	-

Note 3: Function Parameter No. 071 (Total Error)-Transmit condition of RTP/PIP or RTN/PIN

Signal	Setting			
	1:5%	2:10%	3:15%	4:20%
MCF/PIP	0-2	0-4	0-7	0-9
RTP/PIP	3-4	5-9	8-14	10-19
RTN/PIN	5-	10-	15-	20-

Note 4: The default setting of parameters depends on the country's specifications or regulations. Print the Function Parameter List to confirm the default settings.

Note 5: 200 Series Function Parameters Only appear when the G3 Communications Port Kit is installed and follow the same numbering order.

4.2.4. Fax Service Mode 3 (Printout of Lists, Reports and Test Results)

From this Service Mode you can print the Function Parameter List, Page Memory Test, Printer Report, All Document File, Protocol Trace and the Toner Order Form.

4.2.4.1. Function Parameter List

A list of all Function Parameters can be printed by the following procedure.

Press the "V", "Λ" arrow keys to select the "3: Print Report/List" on the display.



Press the "SET" key to select the "1: Function Parameter List".



Press the "SET" key.



Press the "STOP" key twice to exit the service mode.

Function Parameter List (Sample)

***** -FUNCTION PARAMETER- ***** DATE MMM-dd-yyyy ***** TIME 12:07 ***P.01

000 Mon/Tel Dial:[Monitor] Monitor	050 Ring Det Mode:[Normal] Normal
001 Alarm Status:[Timer] Timer	051 -----
002 Stop Comm. JRNL:[On] On	052 Pulse Rate:[10pps] 10pps
003 Continuous Polling:[Off] Off	053 -----
004 Numeric ID Set:[On] On	054 -----
005 -----	055 Busy Tone Check:[On] On
006 ID Display:[Chara] Chara	056 -----
007 JRNL Column:[Station] Station	057 -----
008 Monitor:[Off] Off	058 Comm.JRNL +Image:[On] On
009 DC Loop:[Off] Off	059 -----
010 TX Level:[-11dBm] -11dBm	060 Version: UF-8000 BAT.....
011 RX Level:[-43dBm] -43dBm	061 TX/RX/PRT/CPY: 000080/000168/000003/000000
012 DTMF Level:[-5dBm] -5dBm	062 Print Counter:[Off] Off
013 G3 RX EQL:[0dB] 0dB	063 -----
014 G3 TX EQL:[0dB] 0dB	064 -----
015 -----	065 -----
016 -----	066 -----
017 TX Start:[14400bps] 14400bps	067 -----
018 RX Start:[14400bps] 14400bps	068 NYSE Fax Forward:[Off] Off
019 ITU-T V.34:[On] On	069 NYSE Local Print:[Inc] Inc
020 ITU-T ECM:[On] On	070 Line Error:[128] 128
021 EP Tone:[Off] Off	071 Total Error:[10] 10
022 Sig. Interval:[500ms] 500ms	072 Conti. Error:[Off] Off
023 TCF Check:[Normal] Normal	073 Error Detect:[Rate] Rate
024 CED Freq.: [2100Hz] 2100Hz	074 RTN Receive:[Discon] Discon
025 Comm. Start-Up:[1'st] 1'st	075 Coding:[JBIG] JBIG
026 Non-Standard:[On] On	076 Batch TX:[On] On
027 Short Protocol B:[On] On	077 RX JAM Length:[2 m] 2 m
028 Short Protocol D:[On] On	078 -----
029 Remote Diag.: [On] On	079 -----
030 CED & 300bps:[75ms] 75ms	080 Doc Top Feed:[0] 0
031 RTC=EQL x 12:[Off] Off	081 Doc End Feed:[0] 0
032 V34TX Start:[33600bps] 33600bps	082 JAM Length:[2 m] 2 m
033 V34RX Start:[33600bps] 33600bps	083 -----
034 V34 TX SR:[3429sr] 3429sr	084 Line As Nopaper:[Ring] Ring
035 V34 RX SR:[3429sr] 3429sr	085 -----
036 -----	086 -----
037 Protocol Display:[Off] Off	087 Darker Level:[2] 2
038 -----	088 Normal Level:[8] 8
039 Flash Time:[500ms] 500ms	089 Lighter Level:[14] 14
040 -----	090 -----
041 Pause Time:[3sec] 3sec	091 -----
042 -----	092 Smoothing:[On] On
043 Redial Interval:[3min] 3min	093 -----
044 Redial Count:[5] 5	094 -----
045 Ring Det. Count:[2] 2	095 Reduction Ratio:[100%] 100%
046 On-Hook Time:[5sec] 5sec	096 -----
047 Response Wait:[55sec] 55sec	097 -----
048 -----	098 -----
049 -----	099 -----

Note: The power must be reset for the new parameter settings to take effect.

-PANASONIC -

***** ***** - ***** -12345678901234567890- *****

Note:

1. The contents of the Function Parameter List may vary depending on the country's regulations.
2. " * " mark will be shown on the left side of number when setting was changed from default.

Function Parameter List (Sample)

***** -FUNCTION PARAMETER- ***** DATE MMM-dd-yyyy ***** TIME 12:07 ***P.02

100	-----	150	-----
101	-----	151	-----
102	-----	152	-----
103	-----	153	-----
104	-----	154	-----
105	-----	155	-----
106	-----	156	-----
107	-----	157	-----
108	-----	158	-----
109	-----	159	-----
110	MAC Address: 08002301D3E5	160	-----
111	-----	161	-----
112	Insert EMAIL TXT:[Off] Off	162	-----
113	-----	163	-----
114	-----	164	-----
115	Time Zone:[Direct] Direct	165	-----
116	Overwrite Warning:[Yes] Yes	166	-----
117	-----	167	-----
118	-----	168	-----
119	-----	169	-----
120	-----	170	-----
121	-----	171	-----
122	LDAP:[On] On	172	-----
123	-----	173	-----
124	-----	174	-----
125	-----	175	-----
126	-----	176	-----
127	-----	177	-----
128	-----	178	-----
129	-----	179	-----
130	-----	180	-----
131	-----	181	-----
132	-----	182	-----
133	-----	183	-----
134	-----	184	-----
135	-----	185	-----
136	-----	186	-----
137	-----	187	-----
138	-----	188	-----
139	-----	189	-----
140	-----	190	-----
141	-----	191	-----
142	-----	192	-----
143	-----	193	-----
144	-----	194	-----
145	-----	195	-----
146	-----	196	-----
147	-----	197	-----
148	-----	198	-----
149	-----	199	-----

Note: The power must be reset for the new parameter settings to take effect.

-PANASONIC -

***** ***** - ***** -12345678901234567890- *****

Note:

1. The contents of the Function Parameter List may vary depending on the country's regulations.
2. " * " mark will be shown on the left side of number when setting was changed from default.

4.2.4.2. Page Memory Test

A test pattern prints out for checking the page memory and printer mechanism using the following procedure.

Press the "V", "Λ" arrow keys to select the "3: Print Report/List" on the display.



Press the "SET" key to select the "1: Function Parameter List".



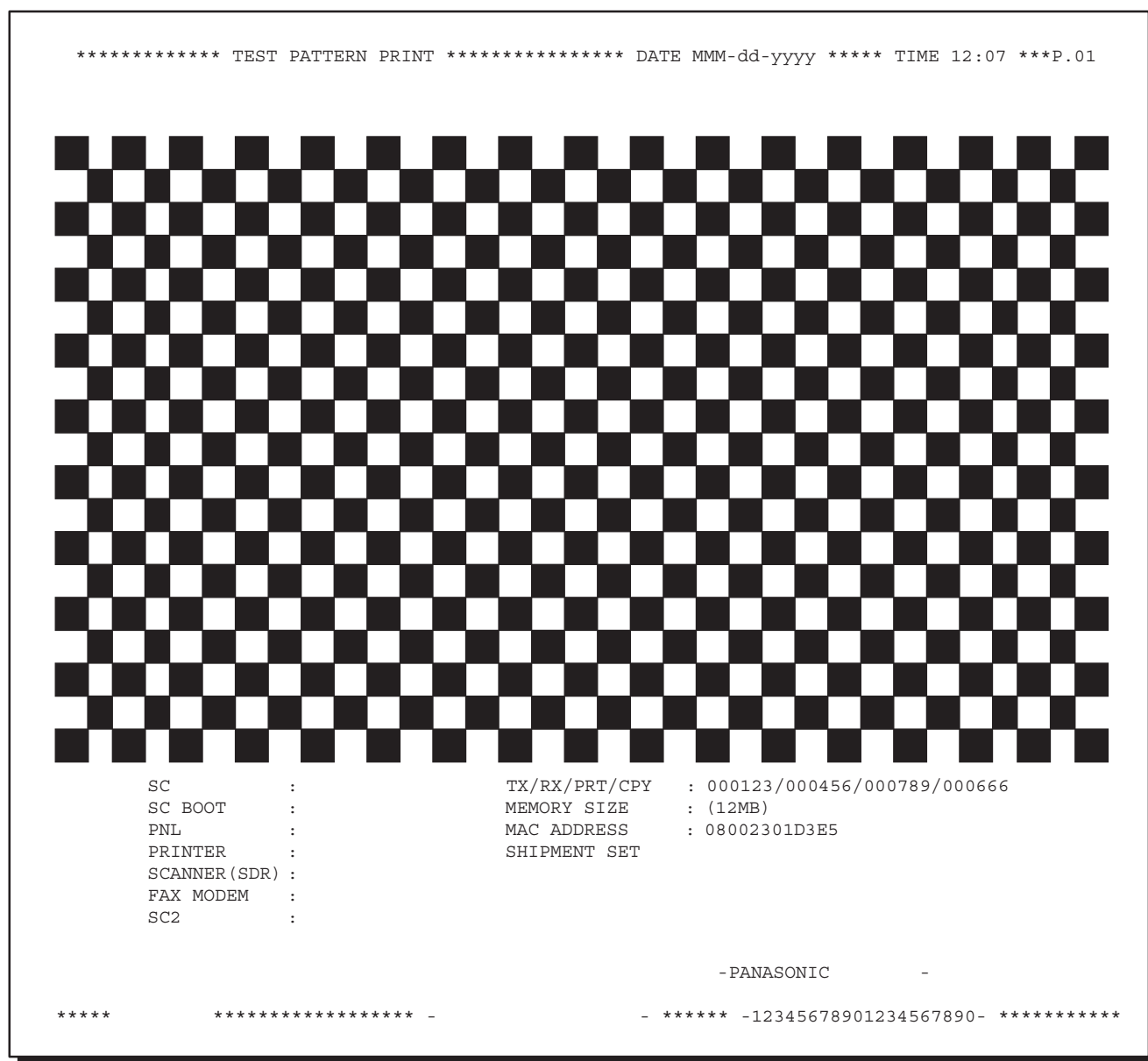
Press the "V", "Λ" arrow keys to select the "3: Page Memory Test".



Press the "SET" key.



Press the "STOP" key twice to exit the service mode.



4.2.4.3. Printer Report

All printer errors are logged on the Printer Report which can be printed by the following procedure.

Press the "V", "Λ" arrow keys to select the "3: Print Report/List" on the display.



Press the "SET" key to select the "1: Function Parameter List".



Press the "V", "Λ" arrow keys to select the "4: Printer Report".



Press the "SET" key.



Press the "STOP" key twice to exit the service mode.

*****-PRINTER REPORT-***** DATE MMM-dd-yyyy ***** TIME 19:02*****			
LAST PRINT ERROR	:	MMM-dd-yyyy 15:38 J00	00-00000016
SERIAL NUMBER	:		
CUSTOMER ID	:	1234567890123456	
FIRMWARE VERSION	:		
SC	:		
PNL	:		
SCANNER (SDR)	:		
PRINTER	:		
TRANSMIT COUNTER	:	000475	
RECEIVE COUNTER	:	000398	
COPY COUNTER	:	000083	
PRINT COUNTER	:	000016	
NO.DATE & TIME	ERROR CODE	ERROR COUNT	NO.DATE & TIME ERROR CODE ERROR COUNT
01.MMM-dd-yyyy 15:38 J00	00-00000016		
02.MMM-dd-yyyy 10:48 J02	00-00000016		
*****-PANASONIC - *****-12345678901234567890-*****			

4.2.4.4. All Document Files

Print the document files from the Flash Memory.

Press the "V", "Λ" arrow keys to select the "3: Print Report/List" on the display.



Press the "SET" key to select the "1: Function Parameter List".



Press the "V", "Λ" arrow keys to select the "5: All Document Files".



Press the "SET" key.



Press the "STOP" key twice to exit the service mode.

4.2.4.5. Protocol Trace

Print a Protocol Trace Report for the previous communication.

Press the "V", "Λ" arrow keys to select the "3: Print Report/List" on the display.



Press the "SET" key to select the "1: Function Parameter List".



Press the "V", "Λ" arrow keys select the "6: Protocol Trace".



Press the "SET" key.



Press the "V", "Λ" arrow keys select the "1: L-1".



Press the "SET" key.



Press the "STOP" key twice to exit the service mode.

```
***** PROTOCOL LOG. REPORT ***** DATE MMM-dd-yyyy ***** TIME 16:56 *****

STATUS      : OK
MODE        : ECM-TX (STANDARD)
SPEED       : 9600bps 0MS/L
REMOTE CAPA. : DIS 00 CE B9 C4 80 12
LOCAL CAPA.  : TSI 2B 20 20 20 38 37 2B 2B 2B 2B
               39 38 36 36 35 34 37 38 38 30
               DCS 00 C6 F8 44

COMMAND LOG.
REMOTE      : NSF  CSI  DIS          CFR
LOCAL       :                TSI  DCS          PIX  PPS-EOP
-----
REMOTE      : MCF
LOCAL       :          DCN

-PANASONIC -
*****-PANASONIC -*****-12345678901234567890-*****
```

4.2.4.6. Toner Order Form

The Toner Order Form can be printed out manually by the following procedure.

Press the "V", "Λ" arrow keys to select the "3: Print Report/List" on the display.



Press the "SET" key to select the "1: Function Parameter List".



Press the "V", "Λ" arrow keys to select the "7: Toner Order Form".



Press the "SET" key.



Press the "STOP" key twice to exit the service mode.

> TONER CARTRIDGE ORDER FORM <

**** The toner supply in your machine is running low **** (1)
To order a replacement Cartridge from your Authorized Dealer

Panasonic Corp. (2)

by Phone: 1 201 111 5555 (3)

by Fax: 1 201 111 4444 (4)

Thank you for your order.

Customer Name and Address

=====

Ship to: _____ Bill to: _____

Attention: _____ Attention: _____

Phone No.: _____ Phone No.: _____

Customer ID: ABC COMPANY (5) P.O. No.(if required): _____

Toner Cartridge No.: (6) Serial No.: _____

Quantity Required:

Print your name and title

Signature & Date

/ /

Explanation of Contents

(1) Low Toner Message (Fixed)

(2) Dealer Name

(3) Toner Order Tel #

(4) Toner Order Fax #

(5) Customer ID

(6) Toner Cartridge No.

“The toner supply in your machine is running low”

Up to 25 digits

Up to 36 digits

Up to 36 digits

Up to 16 characters (User Identification Code)

Refer to the Supply list

4.2.5. Fax Service Mode 4 (Modem Test)

4.2.5.1. Binary Signal

This Service Mode is used to check the binary signal output. Signals can be output to the line using the following procedure.

Press the "V", "Λ" arrow keys to select the "4: MODEM Test" on the display.

↓

Press the "SET" key.

↓

Press the "V", "Λ" arrow keys select the "1: LINE-1".

↓

Press the "SET" key to select the "1: Signal Test".

↓

Press the "SET" key.

↓

Press the desired number.

↓

Press the "SET" key.

↓

Press the "STOP" key twice to exit the service mode.

Binary Signal Table

Number	Signals
1	V21 300bps
2	V27ter 2400bps
3	V27ter 4800bps
4	V29 7200bps
5	V29 9600bps
6	V17 TC7200bps
7	V17 TC9600bps
8	V17 12000bps
9	V17 14400bps

4.2.5.2. Tonal Signal

This Service Mode is used to check the tonal signal output. Signals can be output to the line using the following procedure.

Press the "V", "Λ" arrow keys to select the "4: MODEM Test" on the display.



Press the "SET" key.



Press the "V", "Λ" arrow keys select the "1: LINE-1".



Press the "SET" key to select the "2: Tonal Test".



Press the "SET" key.



Press the desired number and press the "START" key.



Press the "STOP" key twice to exit the service mode.

Tonal Signal Table

Number	Signals
1	462 Hz
2	1080 Hz
3	1100 Hz
4	1300 Hz
5	1650 Hz
6	1850 Hz
7	2100 Hz

4.2.5.3. DTMF Signal

This Service Mode is used to check the DTMF (Dual Tone Multi Frequency) signal output. The DTMF signal can be generated using the following procedure.

• DTMF Single Tone

Press the "V", "Λ" arrow keys to select the "4: MODEM Test" on the display.



Press the "SET" key.



Press the "V", "Λ" arrow keys select the "1: LINE-1".



Press the "SET" key to select the "3: DTMF Test".



Press the "SET" key.



Press the "V", "Λ" arrow keys to select the "1. Single".



Press the desired number and press the "START" key.



Press the "STOP" key twice to exit the service mode.

• DTMF Dual Tone

Press the "V", "Λ" arrow keys to select the "4: MODEM Test" on the display.



Press the "SET" key.



Press the "V", "Λ" arrow keys select the "1: LINE-1".



Press the "SET" key to select the "3: DTMF Test".



Press the "SET" key.



Press the "V", "Λ" arrow keys to select the "2. Dual".



Press the desired number and press the "START" key.



Press the "STOP" key twice to exit the service mode.

DTMF Single Tone Table

Number	DTMF Signal Tones
1	697 Hz
2	770 Hz
3	852 Hz
4	941 Hz
5	1209 Hz
6	1336 Hz
7	1477 Hz
8	1633 Hz

DTMF Dual Tone Table

Number	DTMF Dual Tones
0	941 Hz + 1336 Hz
1	697 Hz + 1209 Hz
2	697 Hz + 1336 Hz
3	697 Hz + 1477 Hz
4	770 Hz + 1209 Hz
5	770 Hz + 1336 Hz
6	770 Hz + 1477 Hz
7	852 Hz + 1209 Hz
8	852 Hz + 1336 Hz
9	852 Hz + 1477 Hz
*	941 Hz + 1209 Hz
#	941 Hz + 1477 Hz

4.2.5.4. Binary Signal (V.34)

This Service Mode is used to check the binary signal output. Signals can be output to the line using the following procedure. (V.34)

Press the "V", "Λ" arrow keys to select the "4: MODEM Test" on the display.



Press the "SET" key.



Press the "V", "Λ" arrow keys select the "1: LINE-1".



Press the "SET" key to select the "4: V34 MODEM".



Press the "SET" key.



Press the desired number and press the "START" key.



Press the "STOP" key twice to exit the service mode.

Binary Signal Table

Number	Signals	Number	Signals	Number	Signals
01	V34 2400 sr 2400 bps	22	V34 3000 sr 9600 bps	43	V34 3429 sr 4800 bps
02	V34 2400 sr 4800 bps	23	V34 3000 sr 12000 bps	44	V34 3429 sr 7200 bps
03	V34 2400 sr 7200 bps	24	V34 3000 sr 14400 bps	45	V34 3429 sr 9600 bps
04	V34 2400 sr 9600 bps	25	V34 3000 sr 16800 bps	46	V34 3429 sr 12000 bps
05	V34 2400 sr 12000 bps	26	V34 3000 sr 19200 bps	47	V34 3000 sr 19200 bps
06	V34 2400 sr 14400 bps	27	V34 3000 sr 21600 bps	48	V34 3429 sr 16800 bps
07	V34 2400 sr 16800 bps	28	V34 3000 sr 24000 bps	49	V34 3429 sr 19200 bps
08	V34 2400 sr 19200 bps	29	V34 3000 sr 26400 bps	50	V34 3429 sr 21600 bps
09	V34 2400 sr 21600 bps	30	V34 3000 sr 28800 bps	51	V34 3429 sr 24000 bps
10	V34 2800 sr 4800 bps	31	V34 3200 sr 4800 bps	52	V34 3429 sr 26400 bps
11	V34 2800 sr 7200 bps	32	V34 3200 sr 7200 bps	53	V34 3429 sr 28800 bps
12	V34 2800 sr 9600 bps	33	V34 3200 sr 9600 bps	54	V34 3429 sr 31200 bps
13	V34 2800 sr 12000 bps	34	V34 3200 sr 12000 bps	55	V34 3429 sr 33600 bps
14	V34 2800 sr 14400 bps	35	V34 3200 sr 14400 bps	56	ANSam
15	V34 2800 sr 16800 bps	36	V34 3200 sr 16800 bps	57	CM
16	V34 2800 sr 19200 bps	37	V34 3200 sr 19200 bps	58	JM
17	V34 2800 sr 21600 bps	38	V34 3200 sr 21600 bps	59	INFO0c & TONEB
18	V34 2800 sr 24000 bps	39	V34 3200 sr 24000 bps	60	INFO0c & TONEA
19	V34 2800 sr 26400 bps	40	V34 3200 sr 26400 bps	61	PPh & AC & ALT
20	V34 3000 sr 4800 bps	41	V34 3200 sr 28800 bps		
21	V34 3000 sr 7200 bps	42	V34 3200 sr 31200 bps		

4.2.6. Fax Service Mode 6 (RAM Initialization)

Initializes RAM and restores the Function Parameters to their default values.

Note:

This operation should be performed when the unit is first installed.

Press the "V", "Λ" arrow keys to select the "6: RAM initialize" on the display.



Press the "SET" key to select the desired Mode number.



Press the "SET" key to initialize RAM.



Press the "STOP" key twice to exit the service mode.

RAM Initialization Table

No.	Initialize Mode	Description
01	PARAMETER INITIALIZE	Restores the Fax and Function Parameters to default values. Note: Turn the Power Switch to the OFF and back to the ON position to enable the parameter settings.
02	JOURNAL CLEAR	Clears the Journal contents.
03	AUTO DIAL CLEAR	Clears the One-touch, ABBR Numbers and Phone Books.
04	PROGRAM DIAL CLEAR	Clears the Program keys.
05	LOGO/ID/PSWD CLEAR	Clears the Logo, ID, Polling Password.
06	LBP ERROR LOG CLEAR	Clears the Printer Error Log.
07	SHIPMENT SET	Deletes all setting information, except parameter number 80 and 81, then set default values.
08	FLASH MEMORY CLEAR	Deletes all information in the Flash Memory.
09	ALL JOB CLEAR	Clears all Jobs stored in Flash Memory.

4.2.7. FAX Service Mode 8 (Check & Call)

4.2.7.1. Overview

This feature enables the Authorized Servicing Dealers to manage and improve the machine maintenance to their customers by alerting them of equipment problems. It also can be used as a Supply Sales Tool by alerting the Dealer that the unit is running Low on Toner. The function overview is as follows:

1. The machine's printer error information is stored in the Printer Report.
2. The printer report can be manually printed when required.
3. When printer errors occurs, the unit can automatically transmit the Service Alert Report to the pre-registered telephone number or email address.
4. When the unit detects Low Toner or PM counter reached the maintenance timing, it can automatically transmit the Maintenance Alert Report to the pre-registered telephone number or email address.

Press the "V", "Λ" arrow keys to select the "08 Check & Call" on the display.



Press the "SET" key to select the desired code number.

(i.e. 01 Service Alert Fax #, input the telephone No. or for an email address, press the "FAX/EMAIL" Mode key and input the email address.)



Press the "SET" key.



Press the "STOP" key twice to exit the service mode.

4.2.7.2. Printer Reports

• Conditions under which a report can be printed or transmitted

1. Manual print
The Printer Report can be printed by Service Mode 3. (See Sect. 4.2.4.3.)
2. Automatic transmission/printout
 - a. Service Alert Report
When the unit detects an Emergency Printer Error, the unit will immediately transmit the Service Alert Report to the pre-registered telephone number or email address. However, the unit will not transmit the Service Alert Report if it finds the same error within the same date in the error log.
 - b. Maintenance Alert Report
When the unit detects Low Toner, the unit can automatically transmit the Maintenance Alert Report to the pre-registered telephone number or email address. Refer to the Error Code Table.
 - c. Toner Order Form
When the unit detects Low Toner, the unit can automatically print the Toner Order Form with the pre-registered order information.
 - d. Call Counter Report
When the printer counter reaches the pre-set number, the unit can automatically transmit the Call Counter Report to the pre-registered telephone number or email address.

Note:

The Service and Maintenance Alert Reports are managed in the same manner as the normal memory transmission (Retry, Incomplete, File List, Display while it is transmitting, Journal).

Error Code	Log	Tx Report	Remarks
Ex-xx	O	S	Refer to the Mechanical Error Code (E Code) Table. (Sect. 3.1.3.)
E13	O		Out of Toner.
Jxx	O		Refer to the Jam Error Code (J Code) Table. (Sect. 3.1.2.)
Uxx			Refer to the User Error Code (U Code) Table. (Sect. 3.1.1.)
U13	O	M	Low Toner.

Note:

TX (Transmission) Report: S = Service Alert Report, M = Maintenance Alert Report

4.2.7.3. SERVICE ALERT REPORT FORMAT

```

***** DATE MMM-dd-yyyy ***** TIME 03:47 *****

*****
> SERVICE ALERT REPORT <
*****

LAST PRINT ERROR : MMM-dd-yyyy 20:07 E04-01 00-00000013
SERIAL NUMBER :
(1) CUSTOMER ID : ABC COMPANY
(2) FIRMWARE VERSION
    SC :
    PNL :
    SCANNER (SDR) :
    PRINTER :

(3) COUNTER INFORMATION:
                                CURRENT PM CYCLE
F7-02 Total Count : 13 240000
F7-03 PM COUNT : 13 (-----)
F7-04 ..... :
F7-05 ..... :
F7-06 OPC Drum Count : 13 -----
F7-07 Process Unit Count : 13 (-----)
F7-08 ADF PM Count : 1
F7-10 ..... :
F7-11 Sheet Bypass Count : 13
F7-12 1st Paper Tray Count : 13
F7-13 ..... :
F7-14 ..... :
F7-15 ..... :
F7-16 2-Sided Count : 02
F7-17 ADF Count : 0
F7-18 ADF Read Count : 3
F7-19 ..... :
F7-20 ..... :
F7-21 Copy Print Count : 5
F7-22 Copy Scan Count : 10
F7-23 PC Print Count : 9
F7-24 PC Scan Count : 9
F7-25 FAX Transmit Count : 9
F7-26 FAX Receive Count : 3
F7-27 FAX Print Count : 4
F7-28 ..... :
F7-29 ..... : 0
F7-30 A4R/LTR Count : 6
F7-31 ..... :
F7-32 FLS/LG Count : 0

(4) PRINT ERROR:
NO. DATE & TIME ERROR CODE ERROR COUNT | NO. DATE & TIME ERROR CODE ERROR COUNT
-----|-----
01 MMM-dd-yyyy 20:07 E04-01 00-00000013 |
02 MMM-dd-yyyy 20:04 E04-01 00-00000013 |

-----

-LOGO PANASONIC -
***** ***** -CHARACTER ID - ***** -31415926535897932384-*****

```

Explanation of Contents

- (1) Customer ID
- (2) Firmware Version
- (3) Counter Information
- (4) Print Error

Last 30 records (Latest on top)

4.2.7.4. MAINTENANCE ALERT REPORT FORMAT

```

***** DATE MMM-dd-yyyy ***** TIME 12:00 *****

*****
> MAINTENANCE ALERT REPORT <
*****

LAST PRINT ERROR : MACHINE IS RUNNING OUT OF TONER (1)

SERIAL NUMBER      :
CUSTOMER ID        : ABC COMPANY (2)

FIRMWARE VERSION   (3)
SC                  :
PNL                 :
SCANNER (SDR)      :
PRINTER            :

TRANSMIT COUNTER   : 000244 (4)
RECEIVE COUNTER    : 000082
COPY COUNTER       : 000000
PRINT COUNTER      : 000000

NO.DATE & TIME      ERROR CODE  ERROR COUNT  NO.DATE & TIME      ERROR CODE  ERROR COUNT
-----
-----

-LOGO PANASONIC -

***** -CHARACTER ID - ***** -31415926535897932384-*****

```

Explanation of Contents

- | | |
|--|--|
| (1) Low Toner Message (Fixed) | "MACHINE IS RUNNING OUT OF TONER" |
| (2) Customer ID | Up to 16 characters (User Identification Code) |
| (3) Firmware Version | |
| (4) Transmission / Reception / Copy / Print Counters | |

4.2.7.5. CALL COUNTER REPORT

```
***** DATE MMM-dd-yyyy ***** TIME 03:47 *****

*****
> SCHEDULED REPORT - CALL COUNTER HAS REACHED PRE-SET VALUE <
*****

LAST PRINT ERROR : MMM-dd-yyyy 20:07 E04-01 00-00000013

SERIAL NUMBER :
(1) CUSTOMER ID : ABC COMPANY
(2) FIRMWARE VERSION
    SC :
    PNL :
    SCANNER (SDR) :
    PRINTER :

(3) COUNTER INFORMATION:

CURRENT PM CYCLE
F7-02 Total Count : 13 (-----)
F7-03 PM COUNT : 13 120000
F7-04 . . . . . :
F7-05 . . . . . :
F7-06 OPC Drum Count : 13 (-----)
F7-07 Process Unit Count : 13 (-----)
F7-08 ADF PM Count : 1
F7-10 . . . . . :
F7-11 Sheet Bypass Count : 0
F7-12 1st Paper Tray Count : 3
F7-13 . . . . . : 0
F7-14 . . . . . : 0
F7-15 . . . . . : 0
F7-16 2-Sided Count : 0
F7-17 ADF Count :
F7-18 ADF Read Count : 0
F7-19 : 0
F7-20 . . . . . : 0
F7-21 Copy Print Count : 0
F7-21 Copy Scan Count : 0

F7-23 PC Print Count : 0
F7-24 PC Scan Count : 6
F7-25 FAX Transmit Count : 0
F7-26 FAX Receive Count : 0
F7-27 FAX Print Count : 0
F7-28 . . . . . : 0
F7-29 . . . . . : 0
F7-30 A4R/LTR Count : 0
F7-31 . . . . . : 0
F7-32 FLS/LG Count : 0

Call Counter Pri-set Value : 1

(4) PRINT ERROR:

NO. DATE & TIME ERROR CODE ERROR COUNT | NO. DATE & TIME ERROR CODE ERROR COUNT
-----|-----
01 MMM-dd-yyyy 20:07 E04-01 00-00000013 |
02 MMM-dd-yyyy 20:04 E04-01 00-00000013 |

-----

-LOGO PANASONIC -
***** ***** -CHARACTER ID - ***** -31415926535897932384-*****
```

Explanation of Contents

- (1) Customer ID
- (2) Firmware Version
- (3) Counter Information
- (4) Call Counter Pre-Set Value

4.2.8. Service Mode 9 (System Maintenance)

4.2.8.1. Overview

This Service Mode is used to maintain the machine. Use the following procedure for System Maintenance.

Press the "V", "Λ" arrow keys to select the "9: System Maintenance" on the display.



Press the "SET" key to select the "8: Send RCV'D File". The display changes to the Fax Mode.



Select the desired Fax number.



Press "START" to send the Fax.

After the transmission, the machine returns to the Stand-by Mode.

Note:

If there is NO File in the machine, this operation will not function.

Press the "STOP" key twice to exit the service mode.

System Maintenance Table

No.	Maintenance Mode	Description
08	Send RCV'D File	Transfers documents from memory to another fax machine during a fatal printer error.

5 Exploded View & Parts List

Note:

1. Panasonic Document Imaging Company and other Panasonic Sales Companies reserve the right to change any information enclosed herein without prior notification.
(This includes, but is not limited to, parts pricing, availability, and text)
2. Electrical parts supplied may include previously used components.
3. **⚠ Important Safety Notice**
Components identified by a ⚠ mark, have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.
4. In Remarks column, "PM" indicates "Preventive Maintenance Part".
5. In Remarks column, "RTL" indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
6. This "Unit" which includes other itemized parts is provided as "Limited Availability" for your convenience, and will only be offered for up to 3 years after the production of the unit ceases.
However, the individual contents of the assembly will be available for the standard period.
7. Supplier "OAPD" is the supplier code 00029151.
8. For Screw identification and Part Number, please refer to the last section of this chapter.

5.1. Destination Codes

Code	Destination	Code	Destination
AE	Taiwan	EE	Italy
AG	Germany	EH	Belgium; Netherlands
AL	Australia; New Zealand	EP	Spain; Greece; Portugal
AM	Switzerland	ER	Denmark; Norway; Sweden; Finland
AU	USA; Canada; Puerto Rico	ES	Saudi Arabia; U.A.E.; Kuwait
AV	France	YC	South Africa; Egypt; Russia; Ukraine; Poland; Israel
EB	England; Singapore; Malaysia; Hong Kong		
		YV	China

5.1.1. Destination Codes for Handset Option

Code	Destination	Code	Destination
AE	Taiwan	YR	Russia
AK	Hong Kong	YV	China
AT	Turkey	YW	South Africa
AU	USA; Puerto Rico; Canada	YX	Singapore
YC	Universal 220-240 VAC Power Supply Version		

5.2. Control Panel Unit (For USA and Canada)

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
⚠	101	PJGPC0001Z	Cover, Panel	N		For UF-8000	AU
		PJGPC0008Z				For UF-7000	
⚠	102	PJKEC0007Z	Base, Panel	N			All
	103	PJGAC0001Z	Window, LCD	N			AU
	104	DZNM000005	Logo, Panasonic	C			All
	105	PJBCC0006Z	Key, Stop	N			All
	106	PJBCC0009Z	Key, Copy	N			All
	107	PJBCC0007Z	Key, Start	N			All
	108	PJBCC0008Z	Key, Serial	N			All
	109	PJKEC0008Z	Cover, Active Lamp	N			All
⚠	110	PJKKC0001Z	Holder, Battery	N			All
	111	PJBCC0003Z	Key, Zoom	N			All
	112	PJBCC0010Z	Key, Set	N			All
	113	PJBCC0011Z	Key, Clear	N			All
	114	PJBCC0014Z	Key, Stamp	N			All
	115	PJBCC0002Z	Key, Contrast	N			All
	116	PJBCC0012Z	Key, Energy	N			All
	117	PJBCC0013Z	Key, Function	N			All
	118	PJHRC0026Z	Holder, PCB	N			All
	119	PJAAC0001Z	Lens, LED	N		For UF-7000/ 8000	AU
	120	PJBCC0005Z	Key, Letter B	N		For UF-7000/ 8000	AU
	121	PJBCC0004Z	Key, Letter A	N		For UF-7000/ 8000	AU
⚠	122	CR2032	Battery	C			All
	123	PJWDF2680AZ	LCD Module	N			All
⚠	2102	PJWPF2680AE	PC Board, PNL 1	N			All
⚠	2104	PJWPF2682AU	PC Board, PNL 3	N			All
⚠	2105	PJWPF2681AU	PC Board, PNL 2	N			All
⚠	2106	PJWPF2683AU	PC Board, PNL 4	N			All
	S6	DZPA000086	Screw	C			All
	X8	XTB3+8GFJ	Screw	C			All

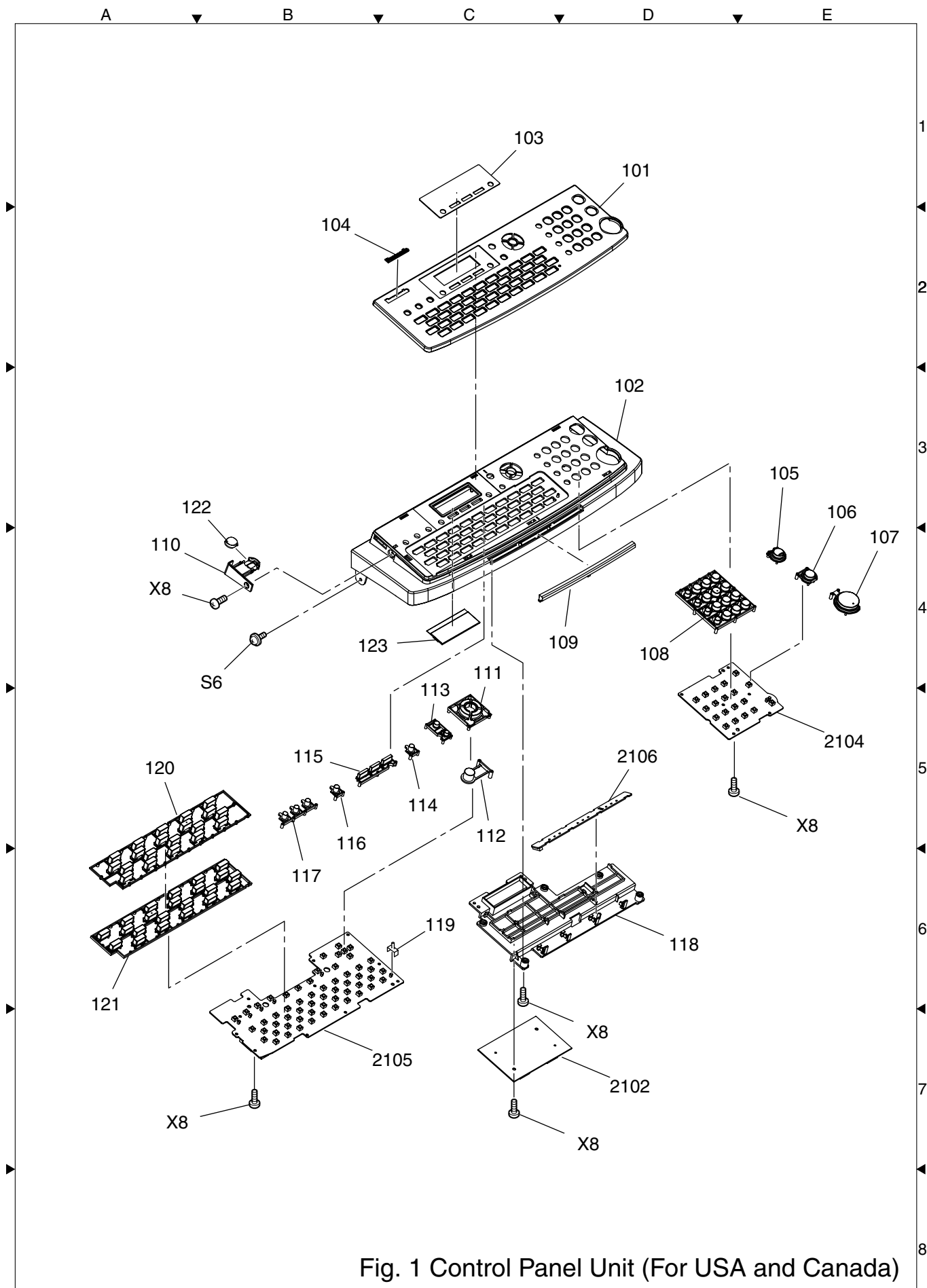


Fig. 1 Control Panel Unit (For USA and Canada)

5.3. Control Panel Unit (For Other Destinations)

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
⚠	201	PJGPC0010Z	Cover, Panel	N		For UF-7100	AL, AM, EB
		PJGPC0002Z				For UF-8100	
		PJGPC0033Z				For UF-7100	AE
		PJGPC0031Z				For UF-8100	
		PJGPC0027Z				For UF-7100	AG
		PJGPC0025Z				For UF-8100	
		PJGPC0026Z				For UF-7100	AV
		PJGPC0024Z				For UF-8100	
		PJGPC0032Z				For UF-7100	YV
		PJGPC0030Z				For UF-8100	
	202	PJKPC0007Z	Cover, Directory Sheet	N		For UF-7100/ 8100	EB, Other
		PJKPC0039Z					AG, YC
		PJKPC0038Z					AV, EH
	203	PJGEC0001Z	Sheet, White Base	N		For UF-7100/ 8100	Except AU
⚠	102	PJKEC0007Z	Base, Panel	N			All
	103	PJGAC0001Z	Window, LCD	N			EB, Other
		PJGAC0002Z					AV
		PJGAC0003Z					AG
		PJGAC0004Z					YV
		PJGAC0005Z					AE
	104	DZNM000005	Logo, Panasonic	C			All
	105	PJBCC0006Z	Key, Stop	N			All
	106	PJBCC0009Z	Key, Copy	N			All
	107	PJBCC0007Z	Key, Start	N			All
	108	PJBCC0008Z	Key, Serial	N			All
	109	PJKEC0008Z	Cover, Active Lamp	N			All
⚠	110	PJKKC0001Z	Holder, Battery	N			All
	111	PJBCC0003Z	Key, Zoom	N			All
	112	PJBCC0010Z	Key, Set	N			All
	113	PJBCC0011Z	Key, Clear	N			All
	114	PJBCC0014Z	Key, Stamp	N			All
	115	PJBCC0002Z	Key, Contrast	N			All
	116	PJBCC0012Z	Key, Energy	N			All
	117	PJBCC0013Z	Key, Function	N			All
	118	PJHRC0026Z	Holder, PCB	N			All
⚠	122	CR2032	Battery	C			All
	123	PJWDF2680AZ	LCD Module	N			All
⚠	2102	PJWPF2680AE	PC Board, PNL 1	N			All
⚠	2104	PJWPF2682AU	PC Board, PNL 3	N			All
⚠	2105	PJWPF2681AU	PC Board, PNL 2	N			All
⚠	2106	PJWPF2683AU	PC Board, PNL 4	N			All
	S6	DZPA000086	Screw	C			All
	X8	XTB3+8GFJ	Screw	C			All

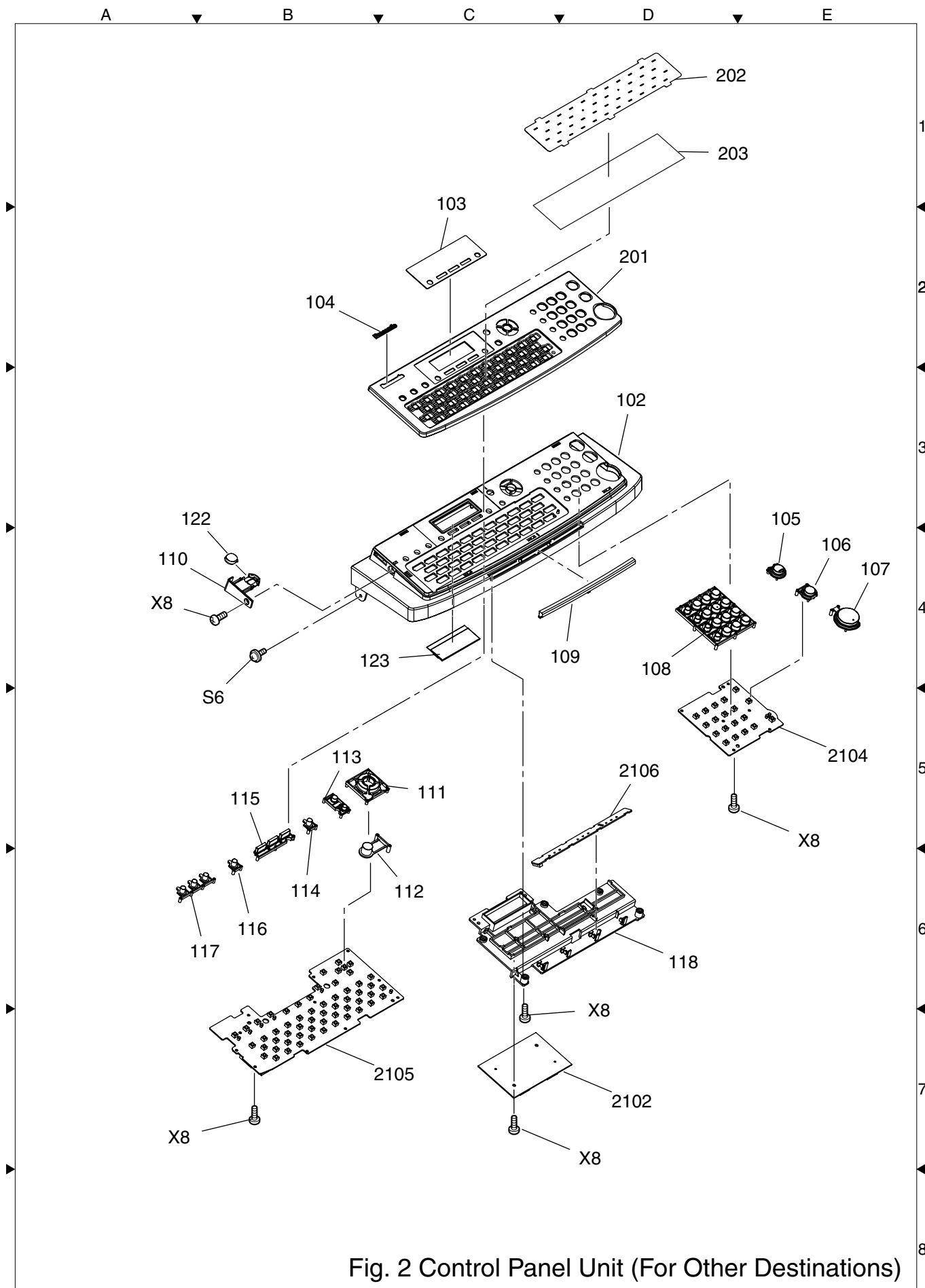


Fig. 2 Control Panel Unit (For Other Destinations)

5.4. ADF

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
⚠	301	PJKCC0001Z	Cover, ADF	N			All
	302	PJUKC0008Z	Guide, Upper Paper	N			All
	303	PJHGC0021Z	Sponge	N			All
	304	PJBAC0004Z	Lever, Paper Sensor	N			All
	305	PJHRC0007Z	Guide, Paper Rear	N			All
	306	PJHRC0006Z	Guide, Paper Front	N			All
	307	FFPTE2625	Label, Maximum Doc. Level Indicator	C			All
	308	PJKNC0004Z	Tray	N			All
	309	PJKNC0008Z	Cover, Tray	N			All
	310	PJDGC0010Z	Rack, Paper Guide	N			All
	311	PJDGC0009Z	Gear, Paper Guide	N			All
⚠	313	PJKNC0003Z	Frame, ADF	N			All
	314	PJBVC0062Z	Spring, Stopper Arm	N			All
	315	PJBLC0015Z	Arm, Stopper	N			All
	316	PJBAC0003Z	Stopper	N			All
	317	PJUEC0007Z	Bracket, Guide Cover Rear	N			All
	318	PJUEC0005Z	Stay, Open Close	N			All
	319	PJUIC0008Z	Bracket, Guide Cover Front	N			All
	320	DZAL000072	Sensor, Photo	C			All
	321	PJUIC0013Z	Bracket, Paper Transfer Motor	N			All
	323	PJDAC0002Z	Pulley, Paper Transfer Motor	N			All
⚠	324	L6HBKHGB0003	Motor, Paper Transfer	N			All
	325	PJDVC0005Z	Belt, Paper Transfer Timing	C			All
	326	PJDGC0012Z	Gear, Paper Transfer Pulley	N			All
	327	PJDEC0006Z	Roller, Tension	N			All
	328	PJUIC0069Z	Bracket, Tension Roller	N			All
⚠	329	PJKZC0001Z	Cover, Upper Left	N			All
	330	DZPA000098	Screw, Shoulder	N			All

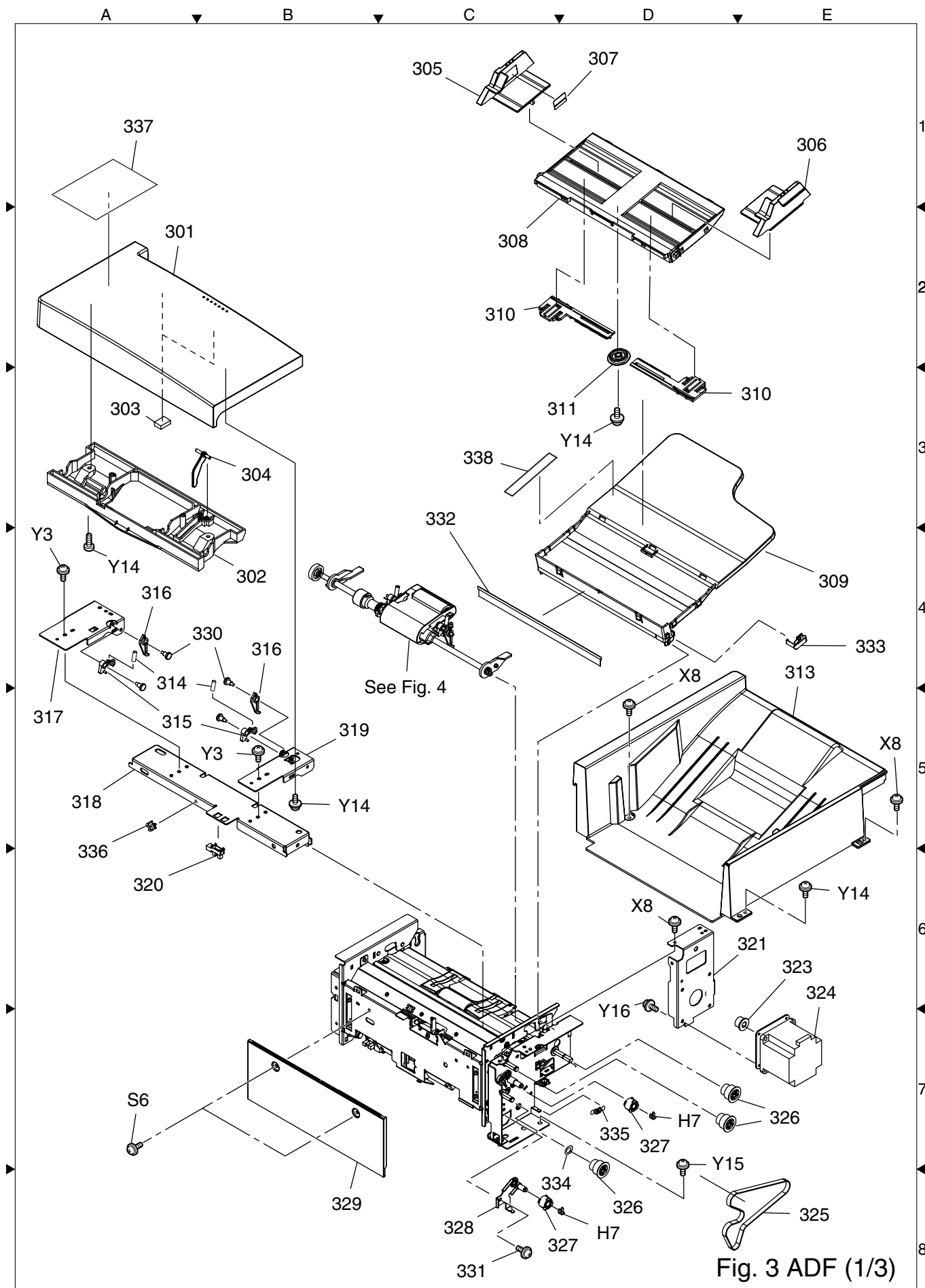
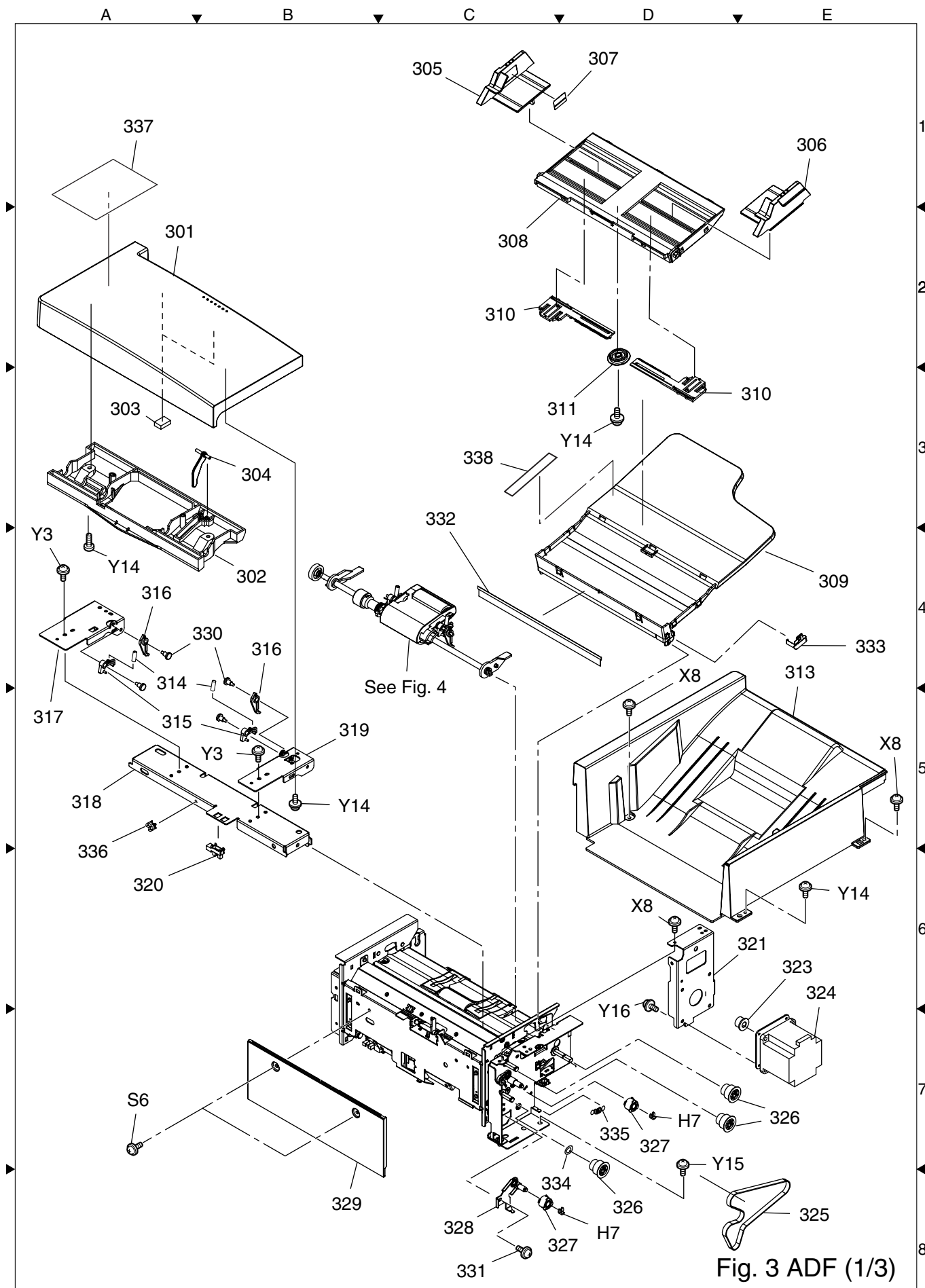


Fig. 3 ADF (1/3)

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	331	FFPFA01561	Screw, Shoulder	N			All
	332	PJSCC0007Z	Brush, Antistatic	N			All
	333	PJBUC0067Z	Plate, Spring Ground	N			All
	334	STW6X1	Poly Slider	C			All
	335	PJBVC0012Z	Spring, Tension 2	N			All
	336	UAMS-05-2	Clamp	C			All
	337	PJGFC0014Z	Label, Function	N			AU
		PJGFC0100Z					AG, AM
		PJGFC0123Z					AM, EE
		PJGFC0099Z					AM, AV, EH
		PJGFC0122Z					EP
		PJGFC0106Z					YV
		PJGFC0105Z					Except AU, AG, AV, EE, EP, YV
	338	PJGFC0107Z	Label, Minimum Length	N			AU
		PJGFC0128Z					AG, AM
		PJGFC0253Z					AM, EE
		PJGFC0127Z					AM, AV, EH
		PJGFC0254Z					EP
		PJGFC0255Z					YV
		PJGFC0126Z					Except AU, AG, AV, EE, EP, YV
	H7	FFPFJ0041B	Snap Ring	C			All
	S6	DZPA000086	Screw	C			All
	X8	XTB3+8GFJ	Screw	C			All
	Y3	XTW3+6LFJ	Screw	C			All
	Y14	XTW3+8SFJ	Screw	N			All
	Y15	XTB4+8FFJ	Screw	N			All
	Y16	XYN3+F6FJ	Screw	N			All



Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	401	PJHEC0018Z	Pad, ADF	N		PM	All
	402	PJUUC0010Z	Cover, Separation Roller	N			All
	403	PJDRC0007Z	Roller, Separation	N		PM	All
	404	PJUGC0008Z	Shaft, Separation Fulcrum	N			All
	405	PJUIC0009Z	Bracket, Separation Roller	N			All
	406	PJBVC0009Z	Spring, Separation	N			All
	407	PJBUC0016Z	Spring, Ground Plate	N			All
	408	PJUUC0009Z	Plate, Separation Guide	N			All
	409	PJKPC0002Z	Cover, Rear	N			All
	411	PJDBC0002Z	Lever, Feed	N			All
	412	PJDEC0032Z	Limiter	N			All
	413	PJDIC0003Z	Arm, Connection	N			All
	414	PJUIC0067Z	Bracket, Pick Up	N			All
	415	PJDYC0009Z	Shaft, Pick Up	N			All
	416	PJDRC0005Z	Roller, Pick Up	N		PM	All
	417	PJDGC0059Z	Gear, Paper Feed 2	N			All
	418	PJDGC0058Z	Gear, Paper Feed 1	N			All
	419	PJDRC0004Z	Roller, Feed	N		PM	All
	421	PJDGC0005Z	Gear, Paper Feed	N			All
	422	PJDEC0005Z	Roller, Pitch	N			All
	423	PJUAC0066Z	Frame, Rear Side				All
	424	PJDJC0032Z	Bushing	N			All
	425	PJBWC0005Z	Spring, Rear Damper	N			All
	426	PJUUC0006Z	Guide, Paper	N			All
	427	PJUAC0065Z	Frame, Front Side	N			All
	428	PJDRC0006Z	Roller, Reverse Transfer	N			All
	429	PJBVC0007Z	Spring, Pressure 1	N			All
	430	PJBVC0008Z	Spring, Pressure 2	N			All
	431	PJDJC0005Z	Holder, Spring	N			All
	432	PJBWC0004Z	Spring, Front Damper	N			All
	433	PJDYC0002Z	Shaft, Reverse Transfer Roller 1	N			All
	434	PJDYC0003Z	Shaft, Reverse Transfer Roller 2	N			All
	437	PJDBC0004Z	Lever, Registration Sensor	N			All
	438	PJUUC0006Z	Stay, Open Close 2	N			All
	439	PJDGC0008Z	Gear, Paper Feed 2	N			All
⚠	440	PJWUF2680AU	CIS	N		For UF-8000/8100	All
		PJWUF2681AU				For UF-7000/7100	All
	441	PJZFF2680MQ	Assembly, Paper Feed Roller Shaft	N			All
	442	PJZFF2681MQ	Assembly, Separation Roller Shaft	N			All
	443	EDS0607M	Clamp	C			All
	445	PJBWC0028Z	Spring, Pick Up Reset	N			All
	446	PJDGC0124Z	Gear, Pick Up 2	N			All
	447	PJDGC0123Z	Gear, Pick Up 1	N			All
	448	PJHGC0022Z	Sponge 2	N			All
	449	PJNW4111Z	Spacer	C	OAPD		All

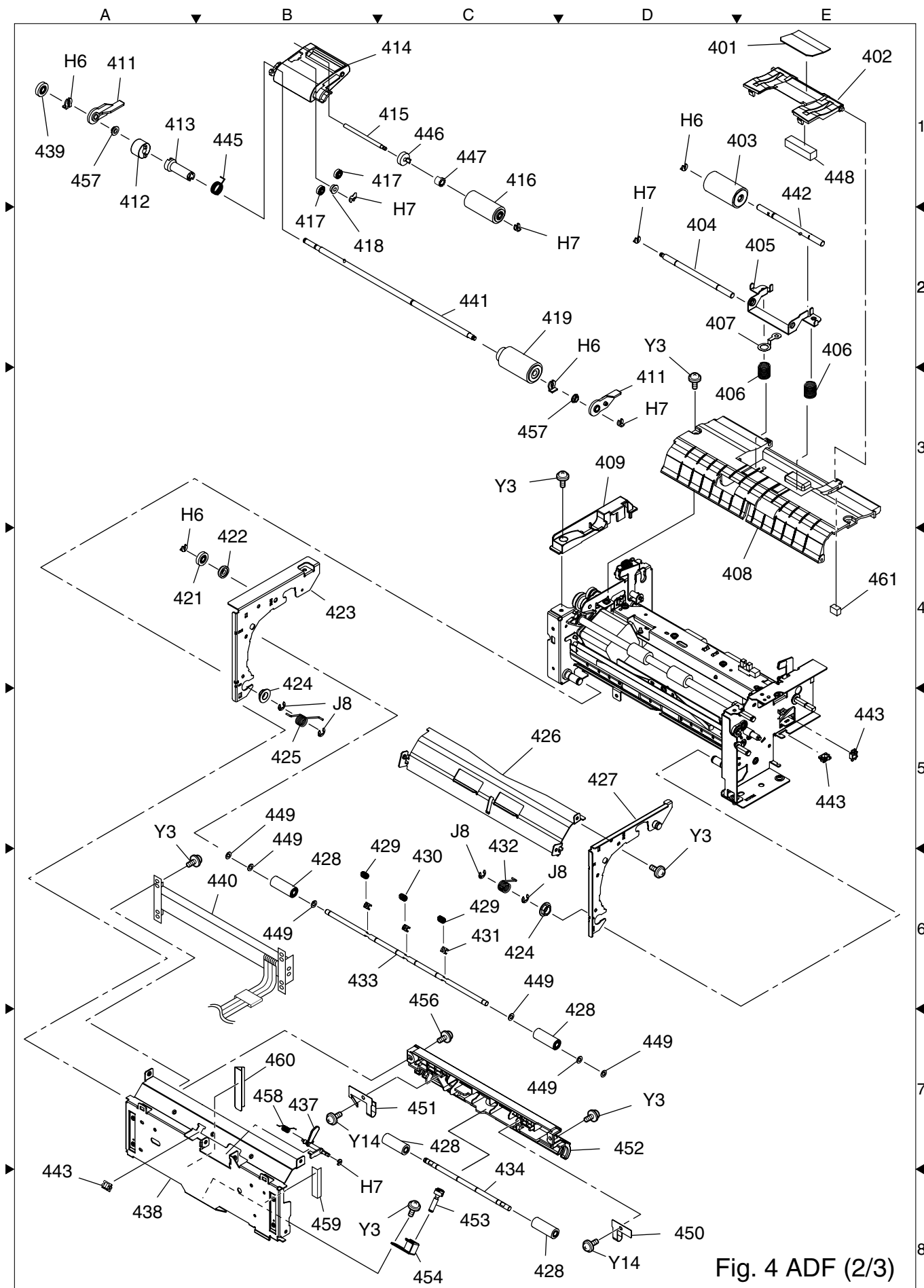


Fig. 4 ADF (2/3)

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	450	PJBUC0064Z	Spring, Front Pressure	N			All
	451	PJBUC0065Z	Spring, Rear Pressure	N			All
	452	PJUKC0076Z	Guide, Paper	N			All
	453	DZHP000237	Unit, Stamp	C			AU
		DZHP000240					Except AU
⚠	454	TDS-SY5-25M	Solenoid, Stamp	N			All
	456	PJNAC0012Z	Screw, Shoulder	N			All
	457	PJDJC0031Z	Bushing	N			All
	458	PJBWC0027Z	Spring, Registration Sensor	N			All
	459	PJUKC0050Z	Film, Protection 1	N			All
	460	PJUQC0005Z	Film, Protection 2	N			All
	461	PJUEC0144Z	Sponge 3	N			All
	H6	FFPFJ0033B	Snap Ring	C			All
	H7	FFPFJ0041B	Snap Ring	C			All
	J8	XUC7VM	E-Ring	C			All
	Y3	XTW3+6LFJ	Screw	C			All
	Y14	XTW3+8SFJ	Screw	N			All
	Y17	XTB26+6JFJ	Screw	N			All

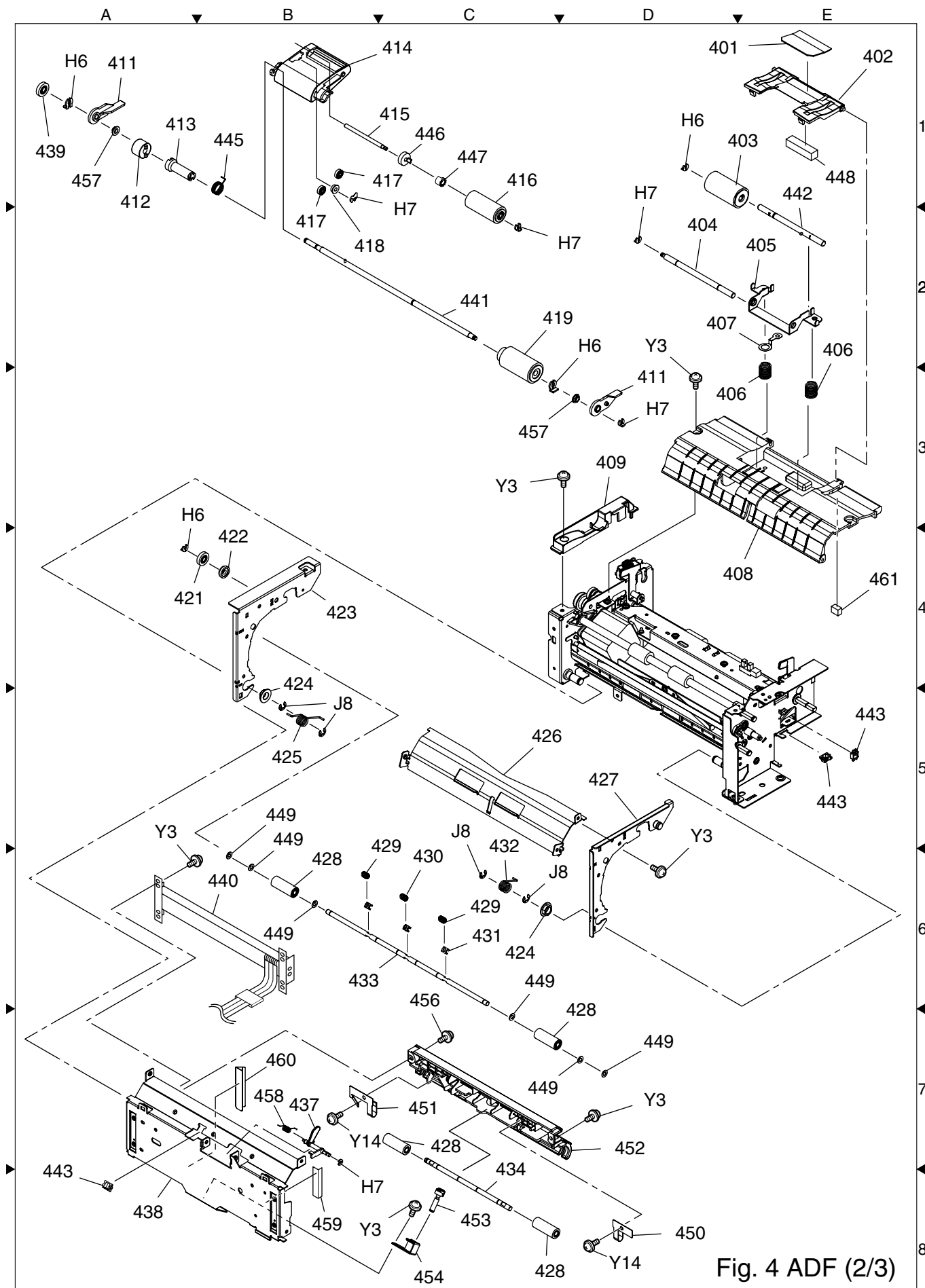


Fig. 4 ADF (2/3)

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	501	PJUEC0011Z	Stay 2	N			All
	502	PJUKC0013Z	Guide, Paper Exit	N			All
	503	PJDRC0062Z	Roller, Reverse Exit	N			All
	504	PJDYC0005Z	Shaft, Reverse Exit Roller	N			All
	505	PJBVC0010Z	Spring, Paper Exit Pressure	N			All
	506	PJUEC0010Z	Stay 1	N			All
⚠	507	L6HBHHGB0002	Motor, Paper Feed	N			All
	508	PJDAC0001Z	Pulley, Paper Feed Motor	N			All
	509	PJBVC0006Z	Spring, Lock Lever	N			All
	510	PJUEC0009Z	Lever, Rear Lock	N			All
	511	PJDGC0011Z	Gear, Paper Feed Pulley	N			All
	512	PJUIC0068Z	Plate, Holding	N			All
	513	PJUAC0068Z	Plate, Rear	N			All
	514	PJUKC0012Z	Guide, Paper	N			All
	515	PJUDC0006Z	Holder, Rear Shaft	N			All
	516	PJDRC0009Z	Roller, Transfer 1	N			All
	517	PJDRC0010Z	Roller, Transfer 2	N			All
	518	PJUEC0008Z	Lever, Front Lock	N			All
	519	PJUDC0005Z	Holder, Front Shaft	C			All
	520	PJUIC0119Z	Guide, Reading	N			All
	521	PJUAC0109Z	Plate, Front	C			All
	522	PJUKC0011Z	Guide, Paper Transfer	N			All
	523	PJDBC0003Z	Lever, Document Eject Sensor	N			All
	524	PJUEC0012Z	Stay 3	N			All
	525	PJBUC0051Z	Spring, Reading Guide Pressure	N			All
	526	PJDJC0030Z	Bushing	N			All
	527	40S2M120	Belt, Paper Transfer Timing	N			All
	528	DZLA000237	Roller, Pinch	C			All
	529	PJUIC0010Z	Bracket, Open Close Sensor	N			All
	530	DZJK000017	Edge Saddle	C			All
	531	PJUEC0055Z	Holder, Plate	N			All
	532	PJBWC0006Z	Spring, Document Eject Sensor	N			All
	533	PJDJC0067Z	Bearing	N			All
	534	PJBVC0011Z	Spring, Tension 1	N			All
	535	PJBUC0066Z	Spring, Paper Feed Tension	N			All
	536	PJHRC0035Z	Sheet, White	N			All
	537	PJUIC0234Z	Bracket, Tray	N			All
	538	PJBVC0114Z	Spring, Lock Lever 2	N			All
	539	PJDRC0035Z	Roller, Exit	N			All

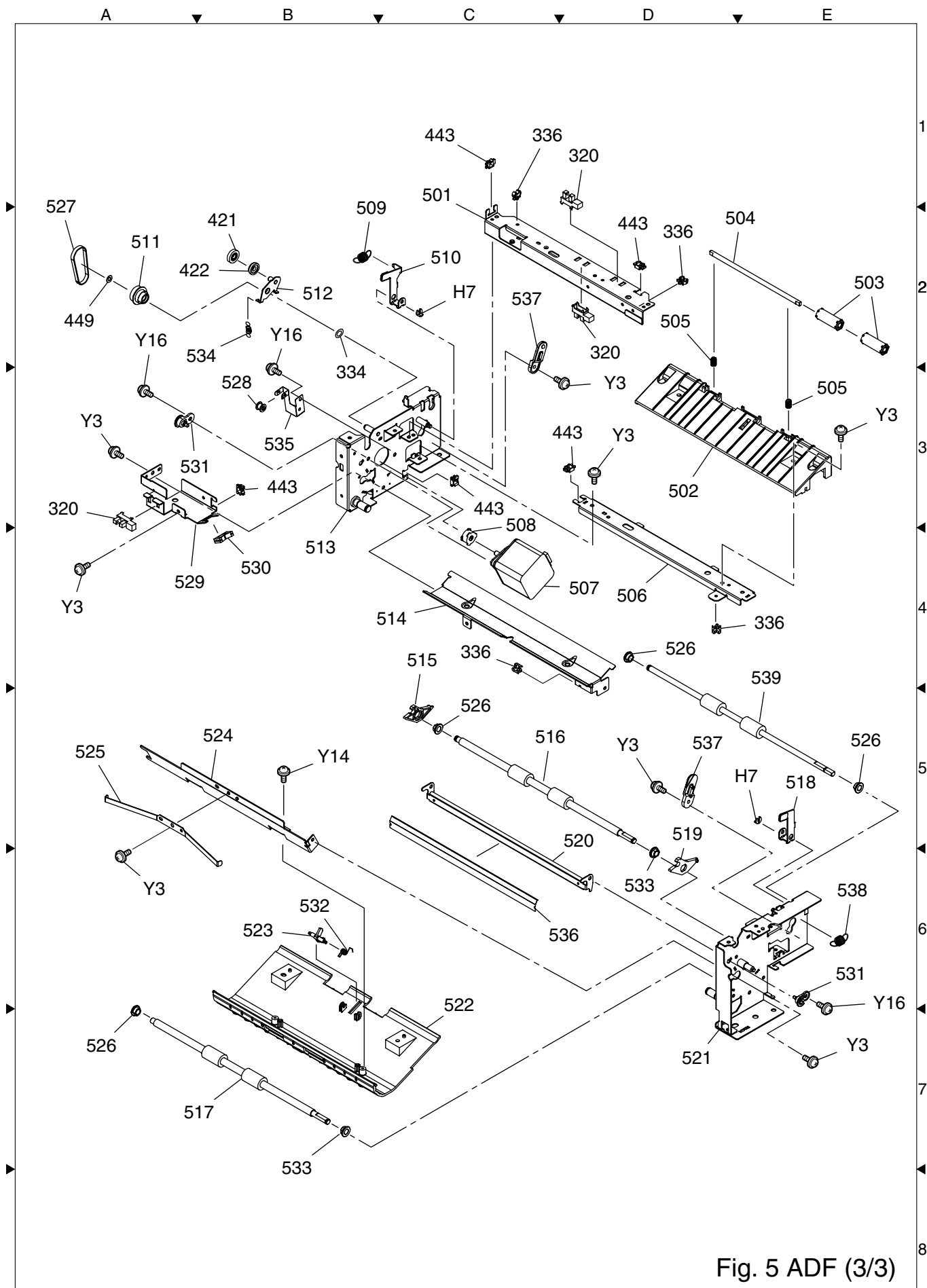


Fig. 5 ADF (3/3)

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	320	DZAL000072	Sensor, Photo	C			A11
	334	STW6X1	Poly Slider	C			A11
	336	UAMS-05-2	Clamp	C			A11
	421	PJDGC0005Z	Gear, Paper Feed	N			A11
	422	PJDEC0005Z	Roller, Pitch	N			A11
	443	EDS0607M	Clamp	C			A11
	449	PJNW4111Z	Spacer	C			A11
	Y3	XTW3+6LFJ	Screw	C			A11
	Y14	XTW3+8SFJ	Screw	N			A11
	Y16	XYN3+F6FJ	Screw	N			A11

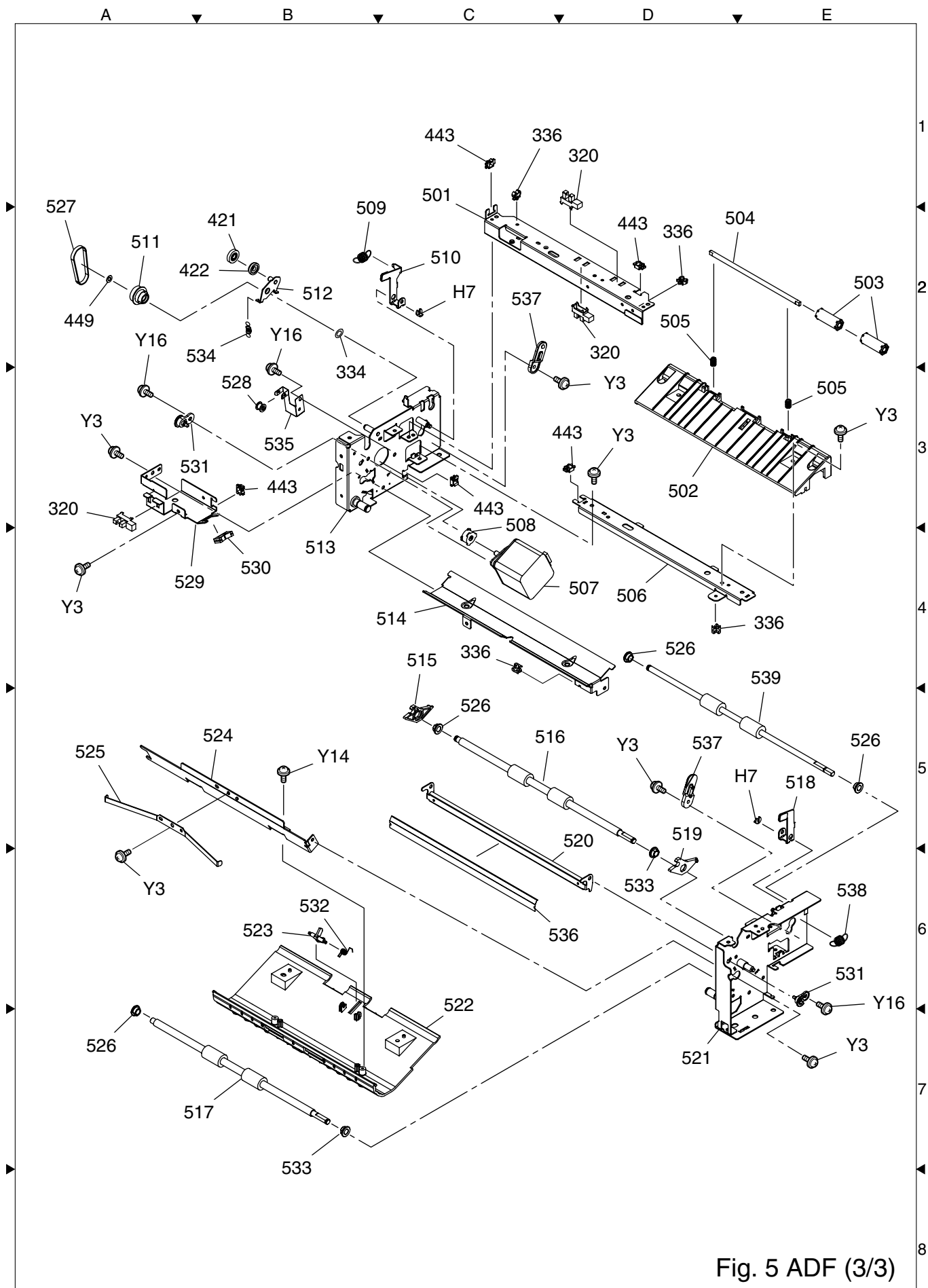


Fig. 5 ADF (3/3)

5.5. Cover Assembly

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination	
⚠	601	PJKMC0005Z	Cover, Inner Top	N			All	
⚠	602	PJKMC0008Z	Cover, Inner Left	N			All	
⚠	603	PJKMC0009Z	Cover, Inner Rear	N			All	
⚠	605	PJKMC0007Z	Cover, Inner Right	N			All	
⚠	606	PJKEB0114Z-1	Tray, Sub Paper	N			All	
⚠	607	PJKMC0002Z	Cover, Rear 2	N			All	
	608	PJKEB0130Z	Cover, Rear Paper Tray				All	
	609	PJKPC0008Z	Cover, Rear	N			All	
⚠	610	PJKMC0006Z	Cover, SD Memory Card	N			All	
⚠	611	PJKMC0010Z	Cover, Lower Right Rear	N			All	
⚠	612	PJKMC0004Z	Cover, Left	N			All	
⚠	613	PJKMC0003Z	Cover, Right	N			All	
⚠	614	PJKMC0001Z	Cover, Front 2	N			All	
⚠	615	PJKEC0009Z	Cover, Front	N			All	
⚠	616	PJHRC0037Z	Support, Left Paper	N			All	
⚠	617	PJHRC0036Z	Support, Right Paper	N			All	
	618	PJHRB0045Z	Rack, Guide	C	OAPD		All	
	619	PJHRB0046Z	Gear, Paper Guide Pinion	C	OAPD		All	
	620	PJBAB0011Z	Hook	C	OAPD		All	
	621	PJYK4P7305M	Assembly, Pinch Roller Holder	C	OAPD		All	
	622	PJDSB0034Z	Spring, Pinch Roller	C	OAPD		All	
	623	PJDSB0145Z	Spring, Cleaning Roller	C	OAPD		All	
	624	PJDRB0017Z	Roller, Pinch	C	OAPD		All	
	625	PJDRB0093Z	Roller, Cleaning	C	OAPD		All	
	626	DZDU000027	Handset	C		Refer to 5.1.1.	AK	
		DZDU000025					Except AK	
	627	DZJE000738	Cradle, Upper	C			AU	
		DZJE000166					YR, YX	
		DZMA000260					Except AU, YR, YX	
	628	DZJE000740	Cradle, Lower	C			AU	
		DZJE000165					YR, YX	
		DZMA000269					Except AU, YR, YX	
	629	DZFN000066	Cord, Handset	C			YR, YX	
		DZFN000060					Except YR, YX	
	630	DZFN000082	Cord, Cradle	C			AK	
		DZFN000115					Except AK	
	632	DZNK005395	Label, Laser Caution					All
	633	PJYKF2300AU	Cover, Rear	N				All
	634	PJDFB0008Z	Shaft, Roller	C	OAPD			All
	635	PJDSB0112Z	Spring	C	OAPD			All
	636	PJGFC0006Z	Label, Cartridge Installation	C				All
	637	PJGFC0030Z	Label, SD Memory Card	N				All
	638	PJKPC0032Z	Sponge, Speaker	N				All
	639	FFPTE2650	Label, Energy Star	C				All

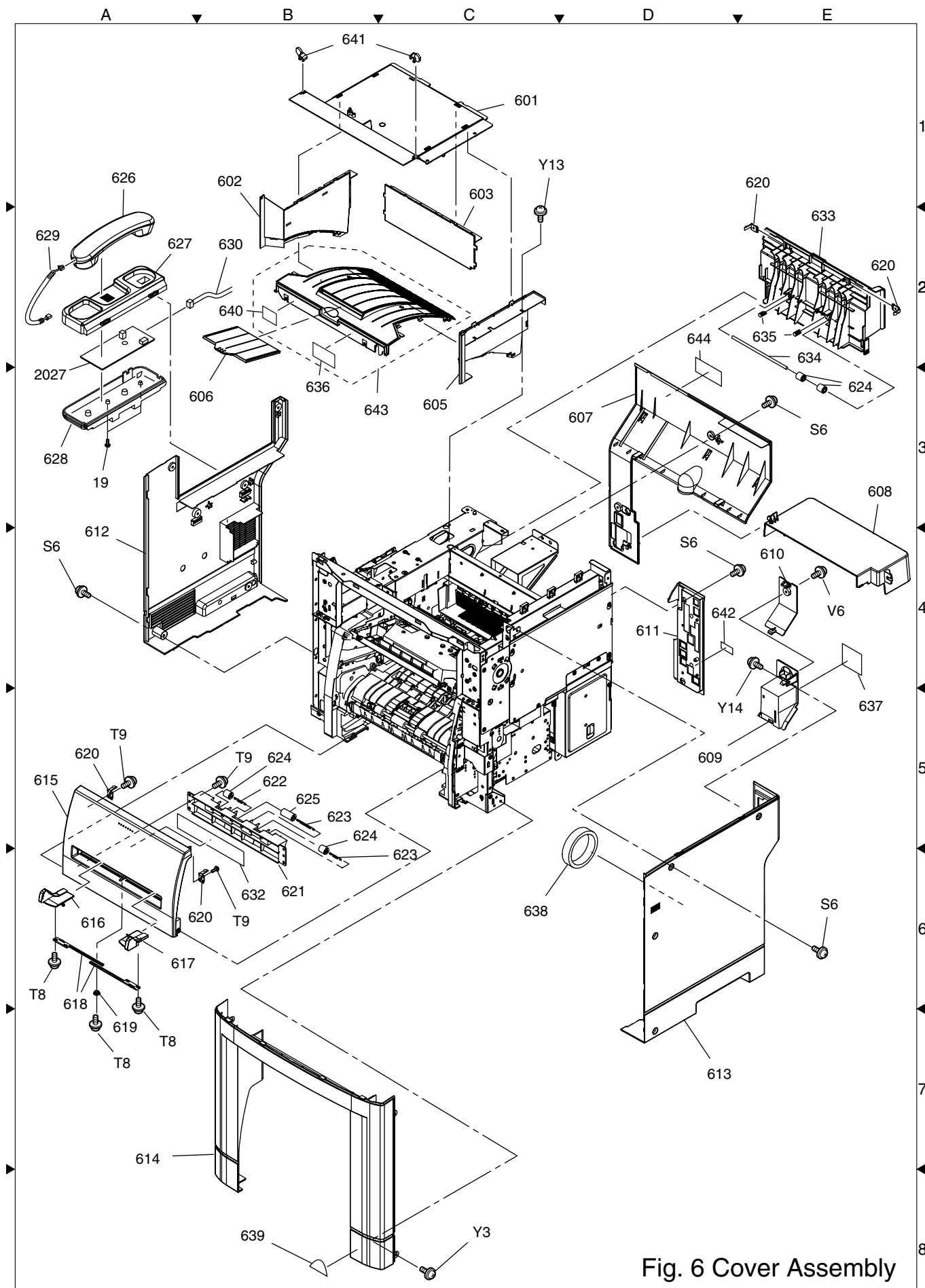


Fig. 6 Cover Assembly

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	640	PJQTB0006Z	Label, Hot Surface Caution	N			All
	641	PJUEC0130Z	Stopper, Tray	N			All
	642	PJQHC0060Z	Label, G3 Line	N		For UF-8000/8100	All
	643	PJKZC0034Z	Assembly, Tray Cover	N			All
	644	DZNK002411	Label, Earth Warning	C			EB, ER
	2027	DZEC101941	PC Board, SRU	C		Refer to 5.1.1.	AU
		DZEC102567					AE
		DZEC102525					AK
		DZEC102526					AT
		DZEC102566					YC, YV
		DZEC102714					YR
		DZEC102527					YW
		DZEC102449					YX
	19	XTB3+8J	Screw	C			All
	T8	XTW26+8S	Screw	C	OAPD		All
	T9	XTW3+8S	Screw	C	OAPD		All
	V6	XTB3+8JFN	Screw	C			All
	Y3	XTW3+6LFJ	Screw	C			All
	Y13	XTW3+8LFJ	Screw	N			All
	Y14	XTW3+8SFJ	Screw	N			All
	S6	DZPA000086	Screw	C			All

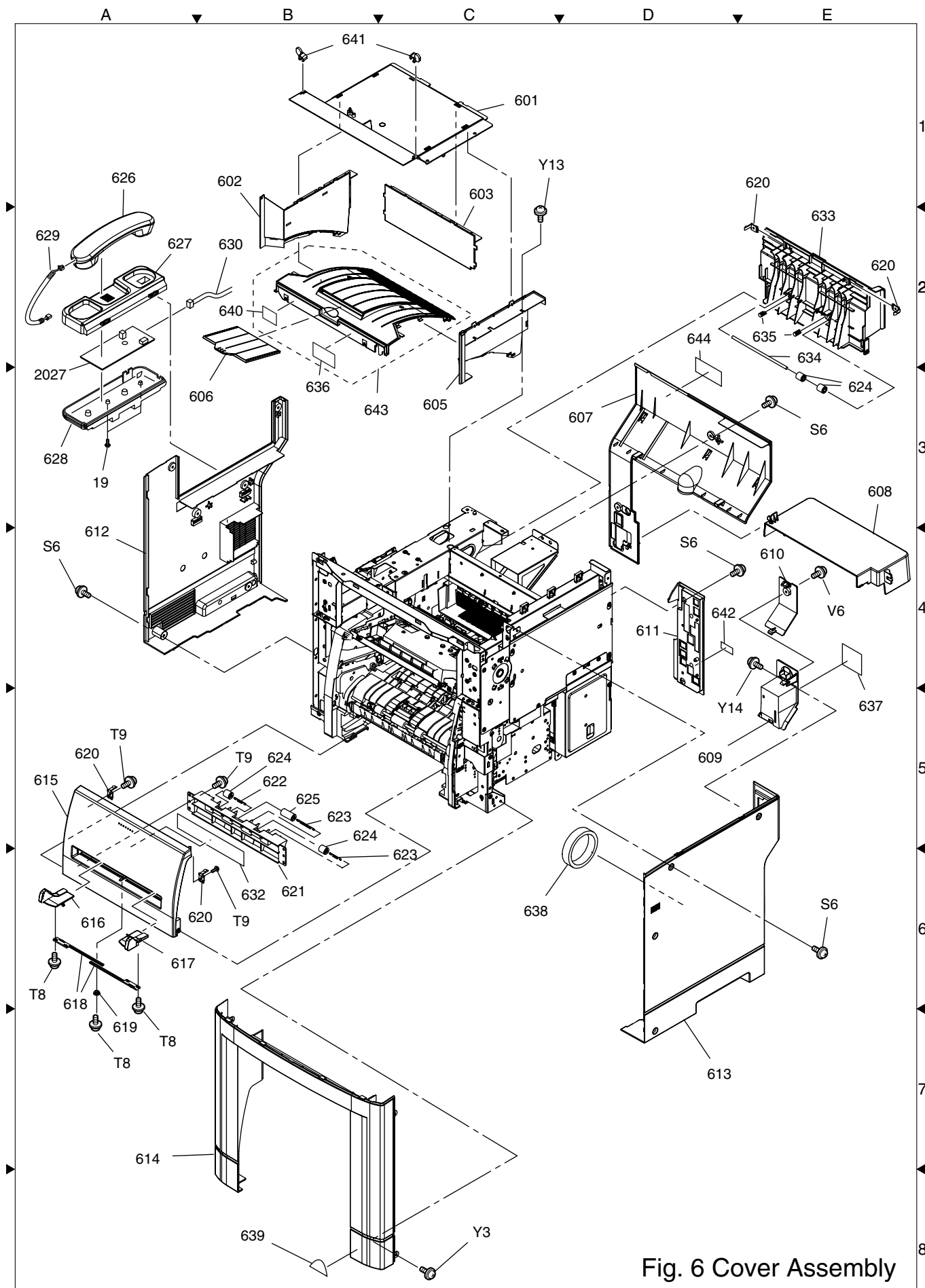


Fig. 6 Cover Assembly

5.6. Right Side Parts

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	701	PJUAC0013Z	Bracket, ADF Tray	N			All
	702	PJMCC0005Z	Plate, Interface	N			All
	704	PJMCC0008Z	Case, G3 Option	N		For UF-8000/ 8100	All
	705	PJMCC0004Z	Cover, Fax	N		For UF-8000/ 8100	All
	706	PJMCC0003Z	Cover, SC	N			All
	707	PJMCC0002Z	Bracket, SC	N			All
	708	PJUAC0009Z	Supporter, Side	N			All
	709	PJUEC0001Z	Bracket, Support 1	N			All
	710	PJUEC0002Z	Bracket, Support 2	N			All
⚠	711	PJUAC0050Z	Sheet, Protection	N			All
	712	PJHEC0051Z	Film, SC	N			All
	713	PJMDB0156Z	Clamp	C	OAPD		All
	714	PJHSC0006Z	Gasket, 85mm	N		For UF-8100	Except AU
	715	DZJH000084	Support, Locking	C			All
	716	RBWS-3N	Clamp	N			All
	717	L0AA05A00051	Speaker	N			All
⚠	2001	Depends on Destination	PC Board, SC	N		See Sect. 5.17 PC Boards	
	2002	PJWPUF9KEM	PC Board, Engine Control	C			All
⚠	2003	PJWPF2686AU PJWPF2686YZ	PC Board, G3	N		For UF-8000 For UF-8100	AU Except AU
⚠	2005	Depends on Destination	PC Board, FXB	N		See Sect. 5.17 PC Boards	
	2026	DZEC102137	PC Board, FRM8	C			All
	2029	PJWP3P7105M1	PC Board, 2nd Paper Feed Module I/F	C	OAPD		All
	2032	-----	Hardware Key				All
	T9	XTW3+8S	Screw	C	OAPD		All
	U1	XTW3+6L	Screw	C			All
	Y3	XTW3+6LFJ	Screw	C			All

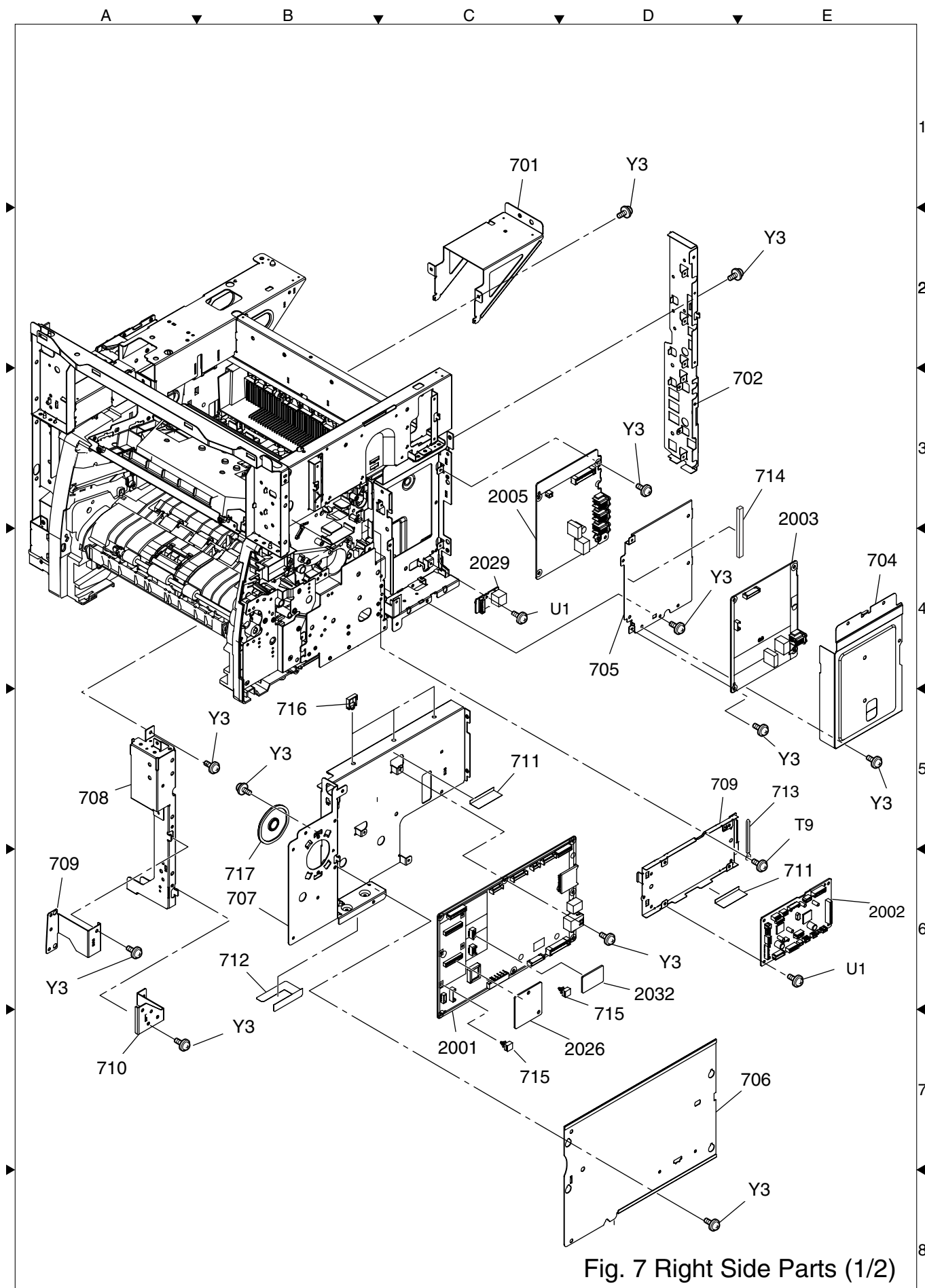



Fig. 7 Right Side Parts (1/2)

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	801	PJDGB0052Z	Gear, ADU Drive	C	OAPD		All
	802	PJDGB0070Z	Gear, Registration Drive	C	OAPD		All
	803	PJDGB0072Z	Gear, Idle Z19	C	OAPD		All
	804	PJDGB0071Z	Gear, Double Teeth	C	OAPD		All
	805	PJDGB0073Z	Gear, Idle Z14	C	OAPD		All
	806	PJDGB0028Z	Gear, Ratchet	C	OAPD		All
	807	PJDGB0043Z	Gear, Registration Arm	C	OAPD		All
	808	PJDGB0042Z	Gear, Registration Internal	C	OAPD		All
	809	PJDGB0029Z	Gear, Planetary	C	OAPD		All
	811	PJNW525Z	Spacer	C	OAPD		All
	812	PJDGB0051Z	Gear, Fuser Drive	C	OAPD		All
	813	PJDSB0039Z	Spring, Gear Tension	C	OAPD		All
	814	PJDGB0204Z	Gear, Intermediate Fuser	C	OAPD		All
	815	PJDSB0211Z	Spring, Pick Up	C	OAPD		All
	816	PJUSB0025Z	Spring, Ground	C	OAPD		All
	817	PJHRA0316Z	Guard, Edge	C	OAPD		All
	821	PJZC2P7100M	Bracket, Gear Support	C	OAPD		All
⚠	822	PJWMP7100M	Assembly, Registration Solenoid	C	OAPD		All
	823	PJZHP7105M	Bracket, Fuser Drive Gear	C	OAPD		All
	824	PJHRB0327Z	Clamp	C	OAPD		All
⚠	826	PJJTC0002Z	Cable, Ground	C			All
	829	PJUAC0003Z	Stay, Front	N			All
	830	PJUAC0005Z	Stay, Right Side	N			All
⚠	831	PJMEC0033Z	Guide, ADF Harness	N			All
	832	PJUAC0007Z	Bracket, Right Side	N			All
	833	PJUAC0012Z	Bracket, Rear ADF	N			All
	834	PJHEC0046Z	Film, FXB	N			All
	835	PJHEC0045Z	Film, NFL 3	N			All
	836	PJHEC0047Z	Sheet, FXB 2	N			All
	837	PJHEC0060Z	Film, Drive Gear Bracket	N			All
	443	EDS0607M	Clamp	C			All
	449	PJNW4111Z	Spacer	C	OAPD		All
	713	PJMDB0156Z	Clamp	C	OAPD		All
	2028	PJWP2P7105M1	PC Board, No Paper Sensor	C	OAPD	RTL, PbF	All
	3F	XYN3+F5	Screw	C			All
	T9	XTW3+8S	Screw	C	OAPD		All
	U1	XTW3+6L	Screw	C			All
	Y3	XTW3+6LFJ	Screw	C			All
	Y14	XTW3+8SFJ	Screw	N			All



5.7. Motor and Drive Gear Unit

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	901	PJDGB0047Z	Gear, OPC B	C	OAPD		All
	902	PJDGB0048Z	Gear, OPC A	C	OAPD		All
	903	PJDGB0049Z	Gear, Fuser	C	OAPD		All
	904	PJDGB0056Z	Gear, Registration A	C	OAPD		All
	905	PJDGB0069Z	Gear, Registration B	C	OAPD		All
	906	PJNW620Z	Washer	C	OAPD		All
	907	L6CCKGEK0003	Motor	C	OAPD		All
	908	PJZHP7100M	Assembly, Drive Gear Bracket	C	OAPD		All
	909	PJZHP7305M	Bracket, Motor	C	OAPD		All
	811	PJNW525Z	Spacer	C	OAPD		All
	U1	XTW3+6L	Screw	C			All

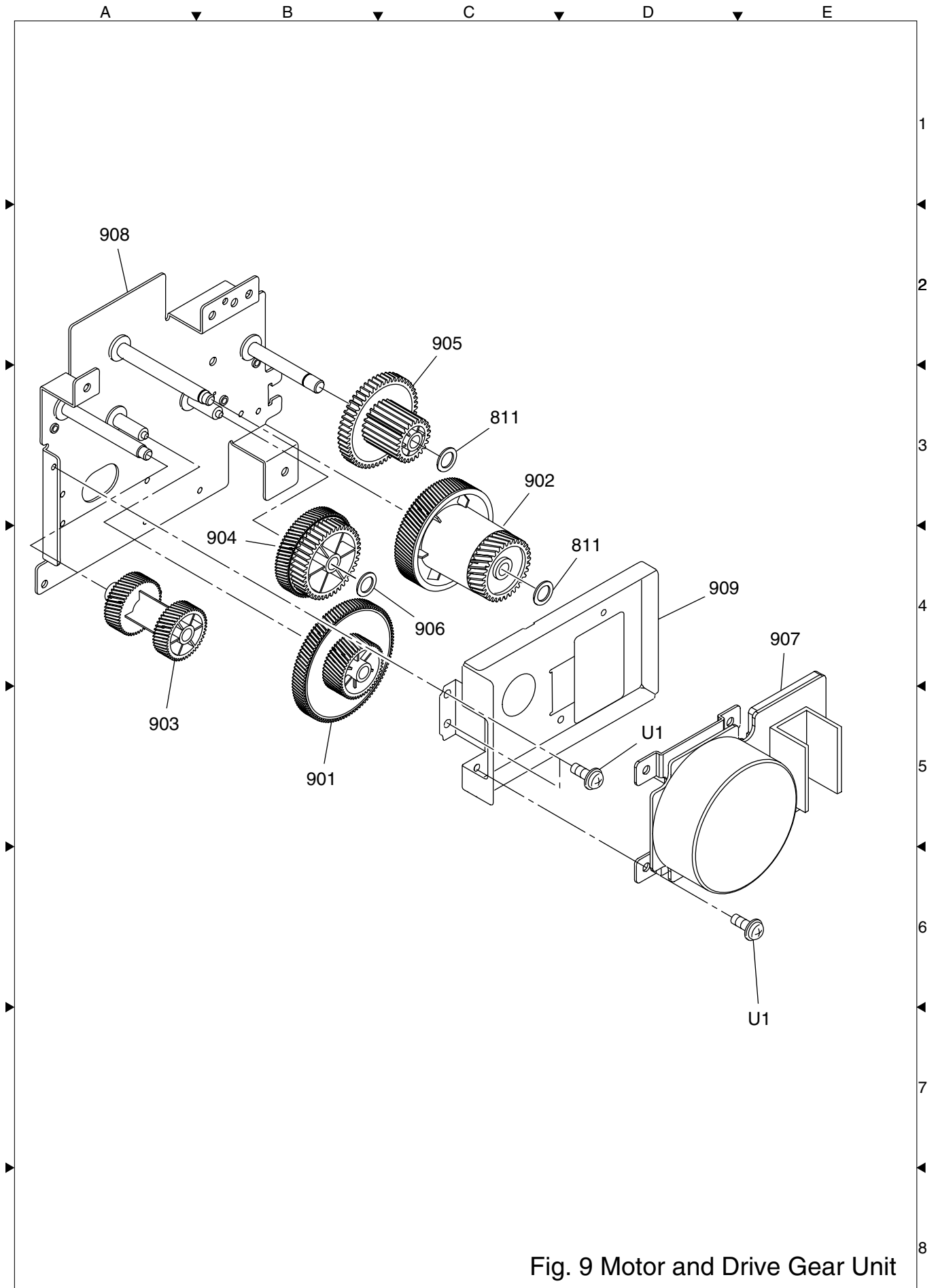


Fig. 9 Motor and Drive Gear Unit

5.8. Left Side Parts

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	1001	PJDSB0033Z	Spring, Grid	C	OAPD		All
	1002	PJDSB0148Z	Spring, Charge	C	OAPD		All
	1003	PJDSB0009Y	Spring, OPC	C	OAPD		All
	1004	PJDSB0149Z	Spring, Developer	C	OAPD		All
⚠	1005	N0GG4E000002	HVPS	C	OAPD		All
⚠	1006	L6FALEGK0009	Motor, Fan	C	OAPD		All
	1007	PJNEB0008Z	Screw	C	OAPD		All
	1009	PJDRB0059Z	Roller, Sub	C	OAPD		All
	1010	PJDSB0019Z	Spring	C	OAPD		All
	1011	PJUAC0004Z	Stay, Rear	N			All
	1012	PJUAC0006Z	Stay, Left Side	N			All
	1013	PJUAC0011Z	Bracket, Front ADF	N			All
	1014	PJUAC0010Z	Supporter, Front Left Side	N			All
	1015	PJMCC0009Z	Bracket, SDR	N			All
	1016	PJMCC0011Z	Cover, SDR	N			All
⚠	1017	PJMCC0006Z	Cover, LVPS	N			All
	1018	PJHSC0003Z	Gasket, 40mm	N			All
⚠	1019	PJHRB0659Y	Guide, Exit Paper	C			All
⚠	1020	PJQTB0263Z	Sheet, HVPS Insulation	C			All
	1021	PJHSC0005Z	Gasket, 50mm	N		For UF-7100/ 8100	Except AU
	1022	PJHE5065Z	Screw	C	OAPD		All
⚠	1023	PJHXC0004Z	Cover, Fuser Harness	N			All
	1024	PJHSC0004Z	Gasket, 5mm	N			All
	1025	PJHEC0055Z	Film, SDR 1	N			All
	1026	PJRAC0004Z	Film, SDR 2	N			All
	1027	PJUEC0134Z	Holder, CIS Core	N			All
	1028	RBWS-1N	Clamp	N			All
	1029	EDS-17L	Edge Saddle	N			All
	1030	EDS-1717U	Edge Saddle	N			All
	1031	RLMC-05T-V0	Clamp	N			All
	624	PJDRB0017Z	Roller, Pinch	C	OAPD		All
	634	PJDDB0008Z	Shaft, Roller	C	OAPD		All
	716	RBWS-3N	Clamp	N			All
	2101	PJWPF2684AU	PC Board, SDR	N			All
	P3	XTW3+8L	Screw	C			All
	T9	XTW3+8S	Screw	C	OAPD		All
	U3	XYC3+FF8C	Screw	C	OAPD		All
	Y3	XTW3+6LFJ	Screw	C			All
	Y12	XWG3FU	Washer	N			All
	Y17	XTB26+6JFJ	Screw	N			All

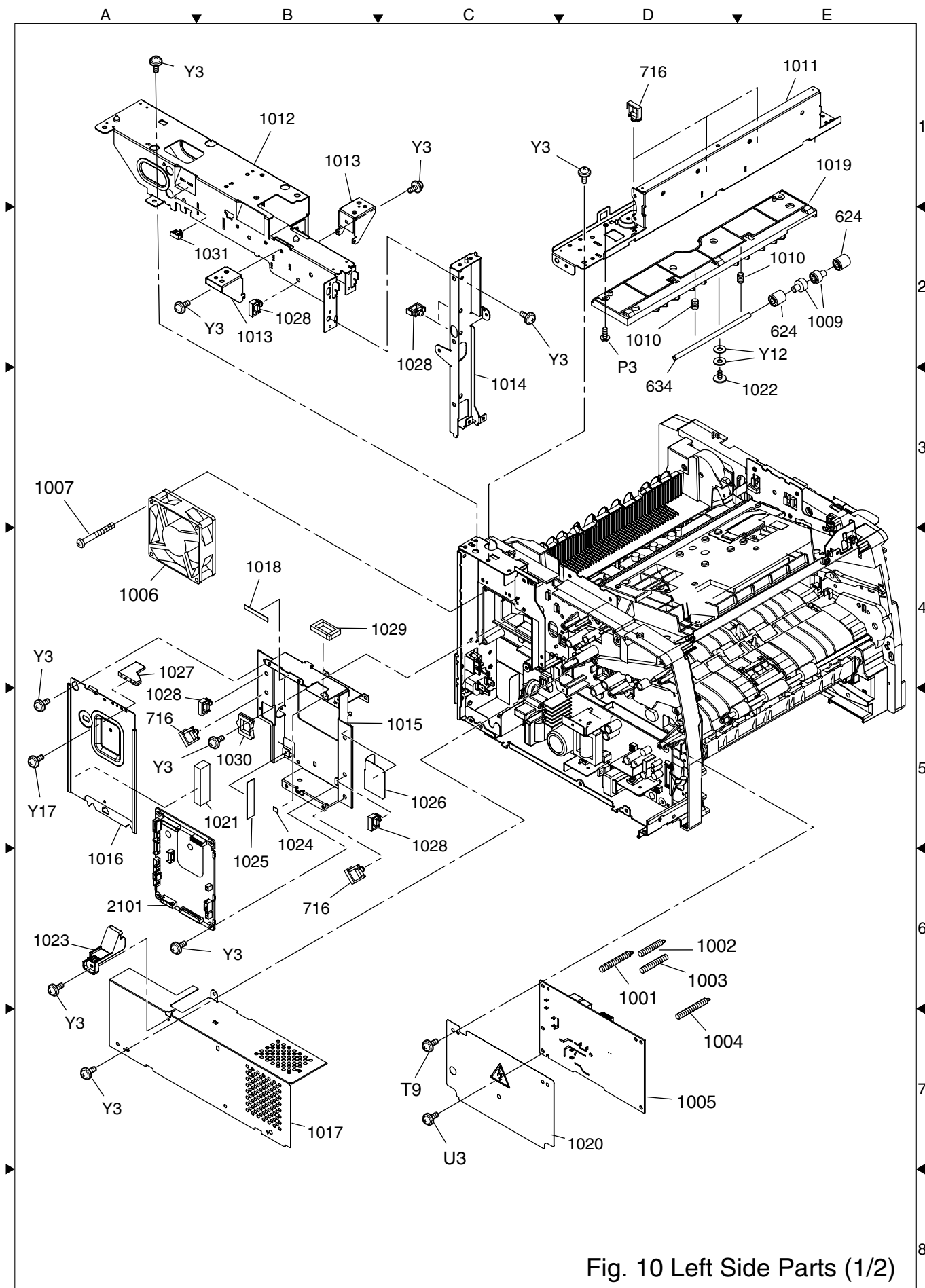


Fig. 10 Left Side Parts (1/2)

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	1101	PJUAC0008Z	Bracket, Left Side	N			All
⚠	1102	PJMEC0044Z	Holder, Harness	N			All
	1103	PJMCC0007Z	Plate, Joint	N			All
	1104	PJMCC0010Z	Bracket, Ground (Earth)	N			All
⚠	1105	PJWS00GW0MQ	Assembly, Inlet	N			AU, AE
		PJWS00GW1MQ				For UF-7100/ 8100	Except AU ,AE
⚠	1106	PJHEC0017Z	Film, NFL 1	N			All
⚠	1107	PJHEC0027Z	Film, NFL 2	N			All
	835	PJHEC0045Z	Film, NFL 3	N			All
⚠	2004	N0AB3GG00001	LVPS	N			AU, AE
		N0AC3GG00001					Except AU ,AE
	Y3	XTW3+6LFJ	Screw	C			All
	Y9	XYN4+F8FJ	Screw	C			All
	Y14	XTW3+8SFJ	Screw	N			All

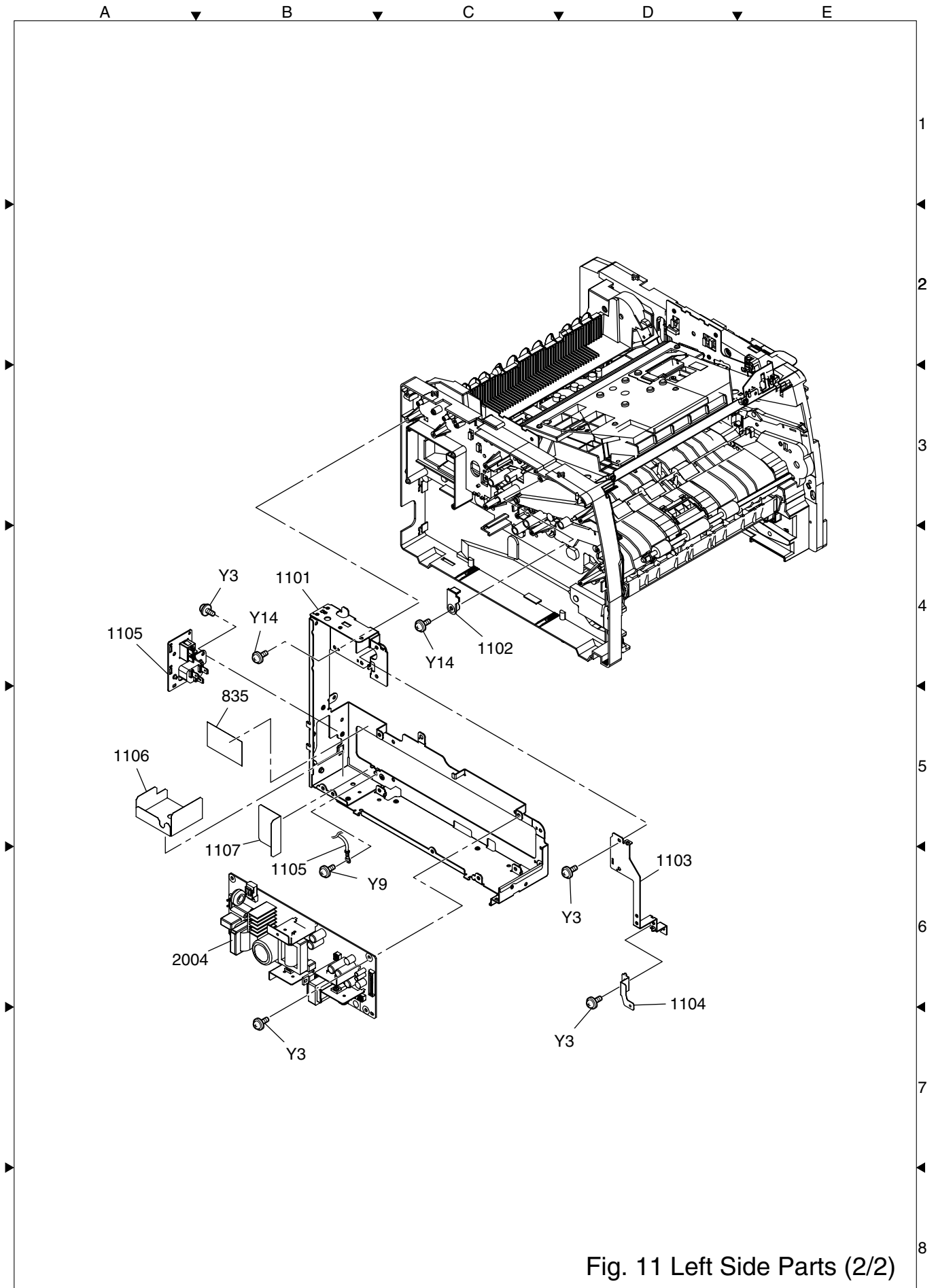


Fig. 11 Left Side Parts (2/2)

5.9. Rear and Upper Parts

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	1201	PJZBP7305M	Assembly, Upper Exit Roller Holder	C	OAPD		All
	1202	PJDGB0024Z	Gear, Z21 Fuser	C	OAPD		All
	1203	PJDGB0026Z	Gear, Z36 Upper Exit Roller Drive	C	OAPD		All
	1204	PJDGB0025Z	Gear, Internal	C	OAPD		All
	1205	PJDGB0027Z	Gear, Black Ratchet	C	OAPD		All
	1206	PJDGB0203Z	Gear, Upper Exit Roller Drive	C	OAPD		All
	1207	PJDSB0016Z	Spring, Ratchet	C	OAPD		All
	1208	PJNW721Z	Poly Slider	C	OAPD		All
	1209	PJZC1P7100M	Assembly, Upper Exit Roller Holder Cover	C	OAPD		All
⚠	1210	PJDPB0001Z	Solenoid, Upper Exit Roller with Plunger	C	OAPD		All
	1211	PJZR2P7305M	Assembly, Upper Exit Roller	C	OAPD		All
⚠	1212	PJWSP7105M	Switch, Front Door Safety Interlock	C	OAPD		All
⚠	1213	PJWS2P7100M	Switch, OPC Drum Unit Interlock	C	OAPD		All
⚠	1214	PJWEP7305M	LSU	C	OAPD		All
⚠	1216	K5AT281613	Core	C	OAPD		All
	2030	PJWP2P7100M1	PC Board, Paper Exit/ADU Paper Jam Sensor	C	OAPD	RTL, PbF	All
	806	PJDGB0028Z	Gear, Ratchet	C	OAPD		All
	809	PJDGB0029Z	Gear, Planetary	C	OAPD		All
	T9	XTW3+8S	Screw	C	OAPD		All
	U1	XTW3+6L	Screw	C			All
	U4	XTW3+12S	Screw	C	OAPD		All
	U9	XSN3+4	Screw	C			All
	W4	XTB2+12J	Screw	C	OAPD		All
	W7	PJNAC0003Z	Screw	C			All

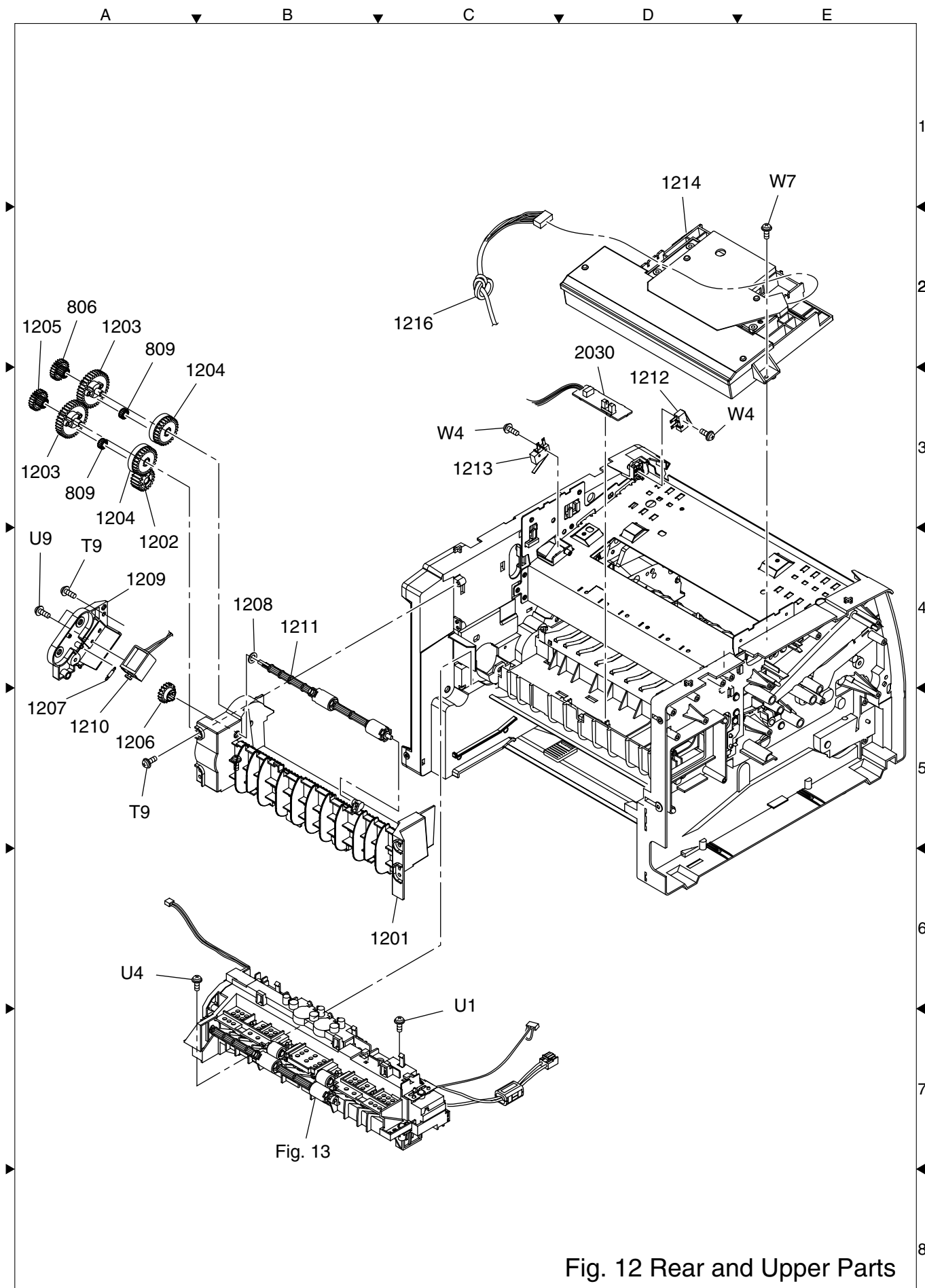


Fig. 12 Rear and Upper Parts

5.10. Fuser Unit

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	1301	PJDFB0122Z	Shaft, Fuser Drive	C	OAPD		All
	1302	PJDGB0023Z	Gear, Z24 Fuser	C	OAPD		All
	1303	PJMDB0018Z	Plate, Lead Wire	C	OAPD		All
⚠	1304	L2AA00000090	Thermostat	C			All
	1305	PJDRB0091Z	Roller, Heat	C	OAPD		All
	1306	PJDJB0008Z	Bushing, Left Heat Roller	C	OAPD		All
	1307	PJDJB0009Z	Bushing, Right Heat Roller	C	OAPD		All
	1308	PJDGB0021Z	Gear, Heat Roller	C	OAPD		All
⚠	1309	A4DP3L000003 A4DP7K000002	Lamp, Halogen	C			AU, AE Except AU, AE
	1310	PJMDB0257Y	Plate, Lead Wire	C	OAPD		All
⚠	1312	PJHRB0636Z	Base, Fuser Unit	C	OAPD		All
	1313	PJDSB0015Z	Spring, Paper Jam Sensor Lever	C	OAPD		All
	1314	PJDJB0010Z	Bushing, Pressure Roller	C	OAPD		All
	1315	PJDSB0205Z	Spring, Pressure Roller	C	OAPD		All
	1316	PJDRB0092Z	Roller, Pressure	C	OAPD		All
	1317	PJDSB0018Z	Spring, Pinch Roller A	C	OAPD		All
	1318	PJMDB0019Y	Ground, Fuser	C	OAPD		All
⚠	1319	PJJRB1025Y	Cable, Fuser	C	OAPD		All
	1320	PJHRC0221Z	Lever, Paper Jam Sensor	C			All
⚠	1321	PJHRB0635Z	Holder, Heat Roller	C	OAPD		All
	1322	PJMDB0253Z	Plate, Separator	C	OAPD		All
	1323	PJDSB0206Z	Spring, Separator	C	OAPD		All
⚠	1324	PJHRB0638Z	Cover, Left Fuser	C	OAPD		All
	1325	PJHR9224Z	Separator	C	OAPD		All
⚠	1326	PJZC3P7100M	Assembly, Side Fuser Cover	C	OAPD		All
	1327	PJZR3P7100M	Assembly, Lower Exit Roller	C	OAPD		All
	1328	PJZRP7305M	Assembly, Cleaning Roller	C	OAPD		All
	1329	L2AA00000088	Thermistor	C			All
	624	PJDRB0017Z	Roller, Pinch	C	OAPD		All
	1202	PJDGB0024Z	Gear, Z21 Fuser	C	OAPD		All
	1206	PJDGB0203Z	Gear, Upper Exit Roller Drive	C	OAPD		All
	1208	PJNW721Z	Poly Slider	C	OAPD		All
	1215	J0KF00000046 or J0KF00000015	Ferrite Core	C			All
⚠	1330	PJZSF2300AU PJZSF2300EB	Assembly, Fuser Unit	C			AU, AE Except AU, AE
	G8	XWC3B	Washer, Star	C			All

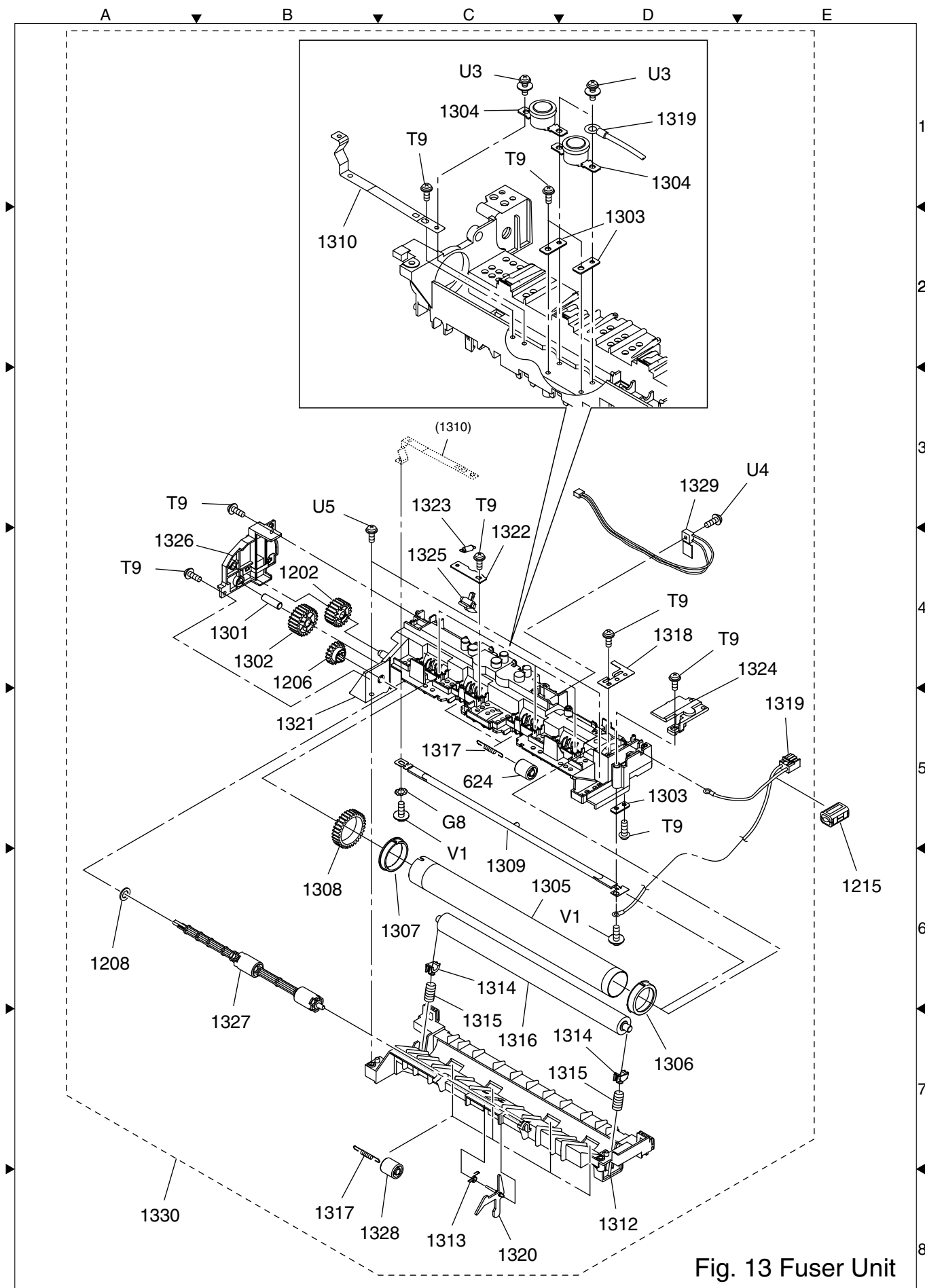


Fig. 13 Fuser Unit

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	T9	XTW3+8S	Screw	C	OAPD		A11
	U3	XYC3+FF8C	Screw	C	OAPD		A11
	U4	XTW3+12S	Screw	C	OAPD		A11
	U5	XTW3+12SFZ	Screw	C	OAPD		A11
	V1	XYC3+FF6	Screw	C	OAPD		A11



5.11. Pick Up Roller and Paper Feed Roller

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	1401	PJDGB0040Z	Gear, Pick Up Internal	C	OAPD		All
	1402	PJDGB0041Z	Gear, Pick Up Arm	C	OAPD		All
	1403	PJDRB0021Z	Roller, Registration	C	OAPD		All
	1404	PJDGB0038Z	Gear, Registration Roller	C	OAPD		All
	1405	PJDRB0022Z	Roller, Paper Feed	C	OAPD		All
	1406	PJDJ05041RZ	Bearing, R5	C	OAPD		All
	1407	PJDGB0039Z	Gear, Paper Feed Roller	C	OAPD		All
	1408	PJHRB0070Z	Wheel, Drive	C	OAPD		All
	1409	PJDJB0019Z	Bushing	C	OAPD		All
	1411	PJDFOB0163Z	Shaft, Pick Up Roller	C	OAPD		All
	1412	PJDSB0207Z	Spring, Pick Up Holder	C	OAPD		All
	1413	PJHRB0640Z	Adapter, Pick Up Holder	C	OAPD		All
	1414	PJDSB0208Z	Spring, Dust Scraper	C	OAPD		All
	1415	PJZC1P7305M	Assembly, Dust Scraper Cover	C	OAPD		All
	1416	PJZR1P7305M	Roller, Pick Up	C	OAPD	PM	All
	1417	PJNW820Z	Washer, Plastic	C	OAPD		All
	1418	PJZEP7305M	Guide, Sub. Paper	C	OAPD		All
	1419	PJZE1P7100M	Assembly, Pick Up Lever	C	OAPD		All
⚠	1420	PJWMP7305M	Assembly, Pick Up Solenoid	C	OAPD		All
	449	PJNW4111Z	Spacer	C	OAPD		All
	625	PJDRB0093Z	Roller, Cleaning	C	OAPD		All
	809	PJDGB0029Z	Gear, Planetary	C	OAPD		All
	815	PJDSB0211Z	Spring, Pick Up	C	OAPD		All
	1022	PJHE5065Z	Screw	C	OAPD		All
	1205	PJDGB0027Z	Gear, Black Ratchet	C	OAPD		All
	U8	XTW3+U8S	Screw	C	OAPD		All

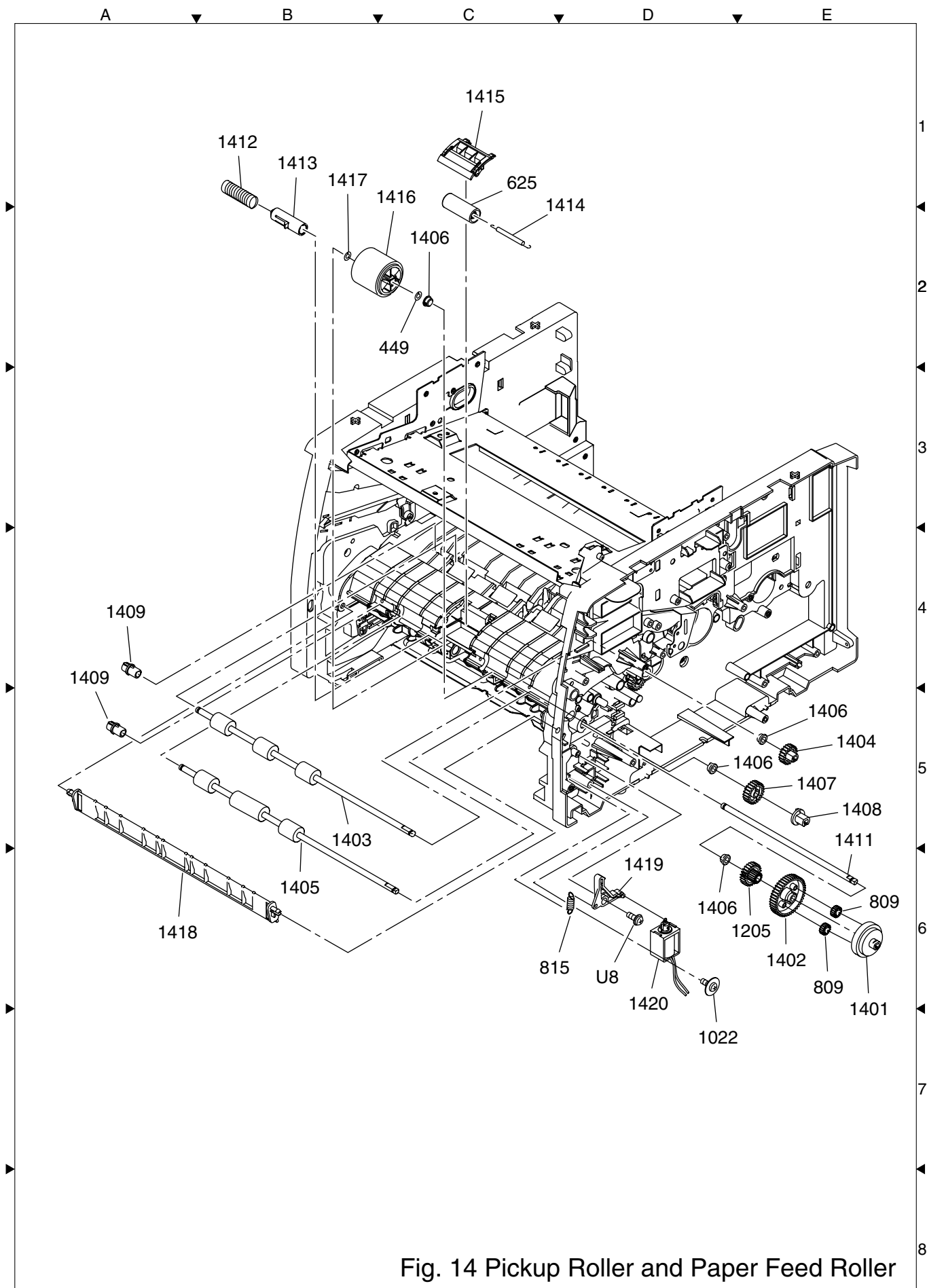


Fig. 14 Pickup Roller and Paper Feed Roller

5.12. Bottom Parts

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
⚠	1501	PJUAB0024Y	Plate, Lower Base	C	OAPD		All
	1502	PJMDB0020Z	Plate, ADU Pinch Roller	C	OAPD		All
	1503	PJDRB0018Z	Roller, ADU Pinch	C	OAPD		All
	1504	PJDFB0009Z	Shaft, A/D Roller	C	OAPD		All
	1505	PJDSB0041Z	Spring, Pinch Roller	C	OAPD		All
	1506	PJNW317Z	Poly Slider	C	OAPD		All
	1508	PJUAB0005Y	Plate, ADU Registration Roller	C	OAPD		All
	1509	PJDRB0014Z	Shaft, ADU Registration Roller	C	OAPD		All
	1510	PJDJ05011CZ	Bearing, C5	C	OAPD		All
	1511	PJDGB0030Z	Gear, A/D Unit Union	C	OAPD		All
	1512	PJDSB0017Z	Spring	C	OAPD		All
	1513	PJJTCC014Z	Cable	C	OAPD		All
	1514	PJHRB0320Z	Lever, No Paper Sensor	C	OAPD		All
	1515	PJHRB0075Z	Lever, Registration Sensor	C	OAPD		All
	1516	PJHRB0076Z	Lever, Paper Detect Sensor	C	OAPD		All
	1517	PJDSB0035Z	Spring, Registration	C	OAPD		All
	1518	PJZUP7100M	Pan, Jam Release	C	OAPD		All
	1406	PJDJ05041RZ	Bearing, R5	C	OAPD		All
	2031	PJWP2P7305M	PC Board, Registration/ Paper Detect Sensor	C	OAPD	RTL, PbF	All
	P3	XTW3+8L	Screw	C			All
	U1	XTW3+6L	Screw	C			All
	U6	XUC4VW-V	E-Ring	C	OAPD		All
	U7	PJNEB0003Y	Screw	C	OAPD		All
	T9	XTW3+8S	Screw	C	OAPD		All

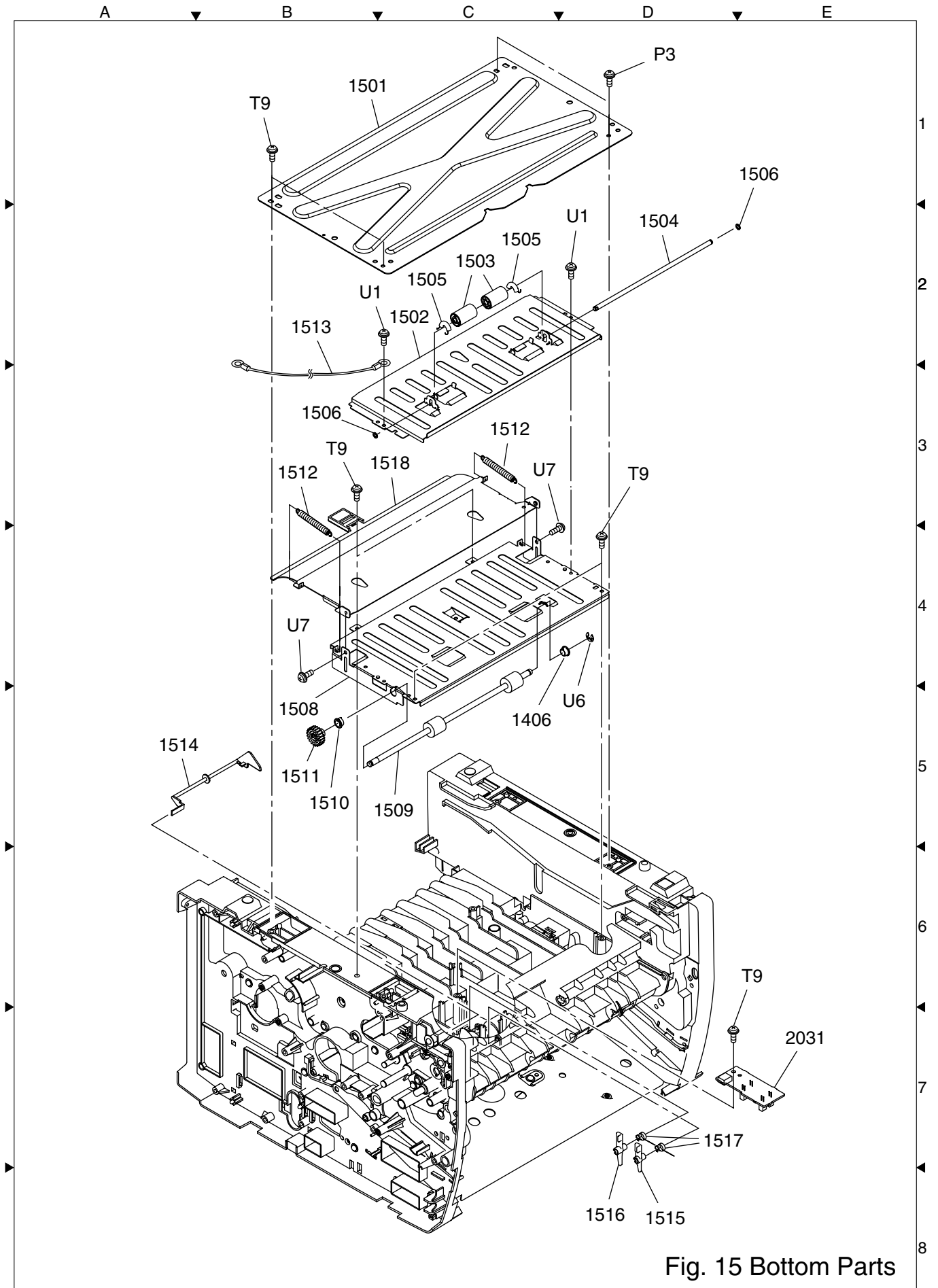


Fig. 15 Bottom Parts

5.13. Mechanical Base

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	1601	PJHRB0324Z	Holder, Transfer Roller	C	OAPD		A11
	1602	PJDSB0040Z	Spring, Transfer	C	OAPD		A11
	1603	PJDRB0081Z	Roller, Bias Transfer	C	OAPD	PM	A11
	1604	PJHRB0078Z	Bushing	C	OAPD		A11
	1605	PJDGB0057Z	Gear, Transfer	C	OAPD		A11
	1606	PJDJB0020Z	Bearing, U	C	OAPD		A11
	1607	PJHRB0038Z	Arm, Left Pressure	C	OAPD		A11
	1608	PJHRB0037Z	Arm, Right Pressure	C	OAPD		A11
	1609	PJUSB0011Y	Plate, Ground	C	OAPD		A11
	1610	PJUSB0008Z	Plate, Transfer Bias Roller	C	OAPD		A11
	1611	PJDSB0026Z	Spring, Left OPC	C	OAPD		A11
	1612	PJDSB0008Z	Spring, Right OPC	C	OAPD		A11
	1613	PJDSB0043Z	Spring, Left Registration	C	OAPD		A11
	1614	PJDSB0010Z	Spring, Right Registration	C	OAPD		A11
	1615	PJDSB0024Z	Spring, Paper Tray Guide	C	OAPD		A11
⚠	1616	PJMCB0070Z	Plate, Ground 1	C	OAPD		A11
⚠	1617	PJMCB0068Z	Plate, Ground 2	C	OAPD		A11
⚠	1618	PJZCP7305M	Assembly, Paper Chute	C	OAPD		A11
	1619	PJUAB0037Z	Chassis, Upper	C			A11
	1620	PJHEC0015Z	Film	C			A11
	1621	PJURC0029Z	Plate, Guard	C			A11
	1622	PJUKC0075Z	Plate, Rail	C			A11
	713	PJMDB0156Z	Clamp	C	OAPD		A11
	811	PJNW525Z	Spacer	C	OAPD		A11
	815	PJDSB0211Z	Spring, Pick Up	C	OAPD		A11
	P3	XTW3+8L	Screw	C			A11
	T9	XTW3+8S	Screw	C	OAPD		A11
	U1	XTW3+6L	Screw	C			A11
	U8	XTW3+U8S	Screw	C	OAPD		A11
	V1	XYC3+FF6	Screw	C	OAPD		A11
	Y3	XTW3+6LFJ	Screw	C			A11



5.14. Paper Tray

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	1701	PJMDB0026Y	Lifter, Paper	C	OAPD		All
	1702	PJHSB0007Z	Pad, Friction	C	OAPD		All
	1703	PJDSB0179Z	Spring, Retard Pad	C	OAPD		All
	1704	PJHRB0031Z	Guide, Right Paper Side	C	OAPD		All
	1705	PJHRB0032Z	Guide, Left Paper Side	C	OAPD		All
	1706	PJDSB0210Y	Spring, Friction	C	OAPD		All
	1707	PJDSB0020Z	Spring, Stopper	C	OAPD		All
	1708	PJHRB0034Z	Stopper	C	OAPD		All
⚠	1709	PJYMP7305M	Assembly, Paper Tray Base	C	OAPD		All
	1710	PJHRB0030Z	Tray, Paper Tray Extension	C	OAPD		All
	1711	PJHRB0033Z	Knob, Paper Size	C	OAPD		All
	1712	PJHRB0307Z	Indicator, Orange Paper Level	C	OAPD		All
	1713	PJDG50133Y	Gear, Pinion	C	OAPD		All
	1714	PJHRB0036Z	Rack	C	OAPD		All
	1715	PJZEF2300AU	Pad, Separation	C		PM	All
	1716	PJHRB0476Z	Adapter, Retard	C	OAPD		All
	1717	PJGEC0002Z	Sheet, Paper Tray A	C			AU
	1718	PJGEC0003Z	Sheet, Paper Tray B	C			AU
	1719	PJGEC0006Z	Sheet, Paper Tray C	C			AU
	1720	PJGEC0007Z	Sheet, Paper Tray D	C			AU
	1721	PJGEC0008Z	Sheet, Paper Tray E	C			AU
	1722	PJGFC0011Z	Label, Max. Paper Level Indicator 1	C			All
	U8	XTW3+U8S	Screw	C	OAPD		All

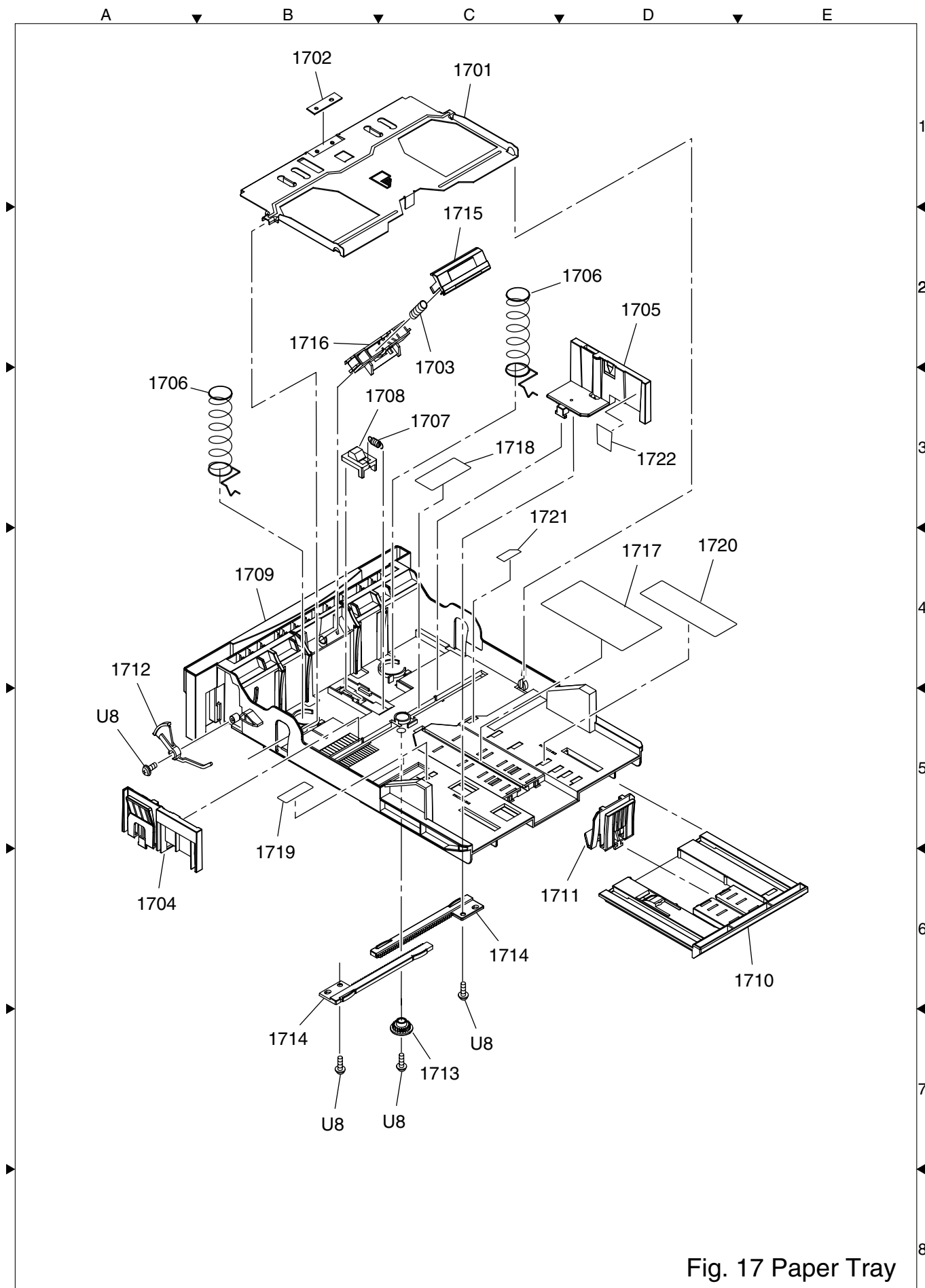


Fig. 17 Paper Tray

5.15. 2nd Paper Feed Module

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
⚠	1801	PJKEB0019Z	Cover, Front	C	OAPD		All
⚠	1802	PJKEB0097Z	Cover, Right	C			All
⚠	1803	PJKEB0098Z	Cover, Left	C			All
	1804	PJUSB0027Z	Plate, Pinch Roller	C	OAPD		All
	1805	PJDRA0051Z	Roller, Pinch	C	OAPD		All
	1807	PJHRB0082Z	Guide, Left Front	C	OAPD		All
	1808	PJHRB0083Z	Guide, Left Rear	C	OAPD		All
	1809	PJHRB0080Z	Guide, Right Front	C	OAPD		All
	1810	PJHRB0081Z	Guide, Right Rear	C	OAPD		All
	1811	PJUSB0080Z	Spring, Ground	C	OAPD		All
	1812	PJDFB0025Z	Shaft, Pick Up Roller	C	OAPD		All
	1813	PJHRB0445Z	Rib, Paper Chute	C	OAPD		All
	1814	PJDJ06061CZ	Bearing	C	OAPD		All
	1815	PJDJ06121RZ	Bearing	C	OAPD		All
	1816	PJDRB0025Z	Roller, Paper Feed	C	OAPD		All
	1817	PJDGB0058Z	Gear 1	C	OAPD		All
	1818	PJDGB0059Z	Gear 2	C	OAPD		All
	1819	PJDGB0060Z	Gear 3	C	OAPD		All
	1820	PJDGB0061Z	Gear 4	C	OAPD		All
	1821	PJMDB0037Z	Bracket, Gear	C	OAPD		All
	1822	PJHRB0079Z	Arm, Sensor	C	OAPD		All
	1823	XPL2A10WVW	Pin	C	OAPD		All
	1824	PJUAB0007Z	Chassis, Right	C	OAPD		All
	1825	PJUAB0008Z	Chassis, Left	C	OAPD		All
	1826	PJMDB0036Y	Frame, Chassis	C	OAPD		All
	1827	PJHG351Z	Plate, Rubber	C	OAPD		All
	1828	PJMDB0190Z	Plate, Corner	C	OAPD		All
	1829	PJHRB0521Z	Bushing	C	OAPD		All
	1830	PJYFPMF3M	Assembly, Top Cover	C	OAPD		All
⚠	1831	PJZBPMF3M	Assembly, Paper Chute	C	OAPD		All
	1832	PJZUPMF3M	Assembly, Paper Guide	C	OAPD		All
	1833	PJZRPMF3M	Roller, Pick Up	C	OAPD	PM	All
⚠	1834	PJWMPMF3M	Clutch	C	OAPD		All
⚠	1835	PJWQPMF3M	Motor	C	OAPD		All
	1836	PJULC0023Z	Bracket, L	C			All
	1837	PJULC0022Z	Bracket, R	C			All
	1838	PJMDB0256Z	Bracket, Joint	C			All
	1839	PJHRB0684Z	Sheet, Bracket	C			All
	1840	PJHRC0055Z	Sheet, Paper Chute	C			All
	1841	PJHRC0176Z	Plate, Spacer	C			All
	1842	PJHRC0154Z	Sheet, Clutch Guide	C			All
	449	PJNW4111Z	Spacer	C	OAPD		All
	811	PJNW525Z	Spacer	C	OAPD		All
	1406	PJDJ05041RZ	Bearing, R5	C	OAPD		All
⚠	1501	PJUAB0024Y	Plate, Lower Base	C	OAPD		All
	1510	PJDJ05011CZ	Bearing, C5	C	OAPD		All
	1615	PJDSB0024Z	Spring, Paper Tray Guide	C	OAPD		All

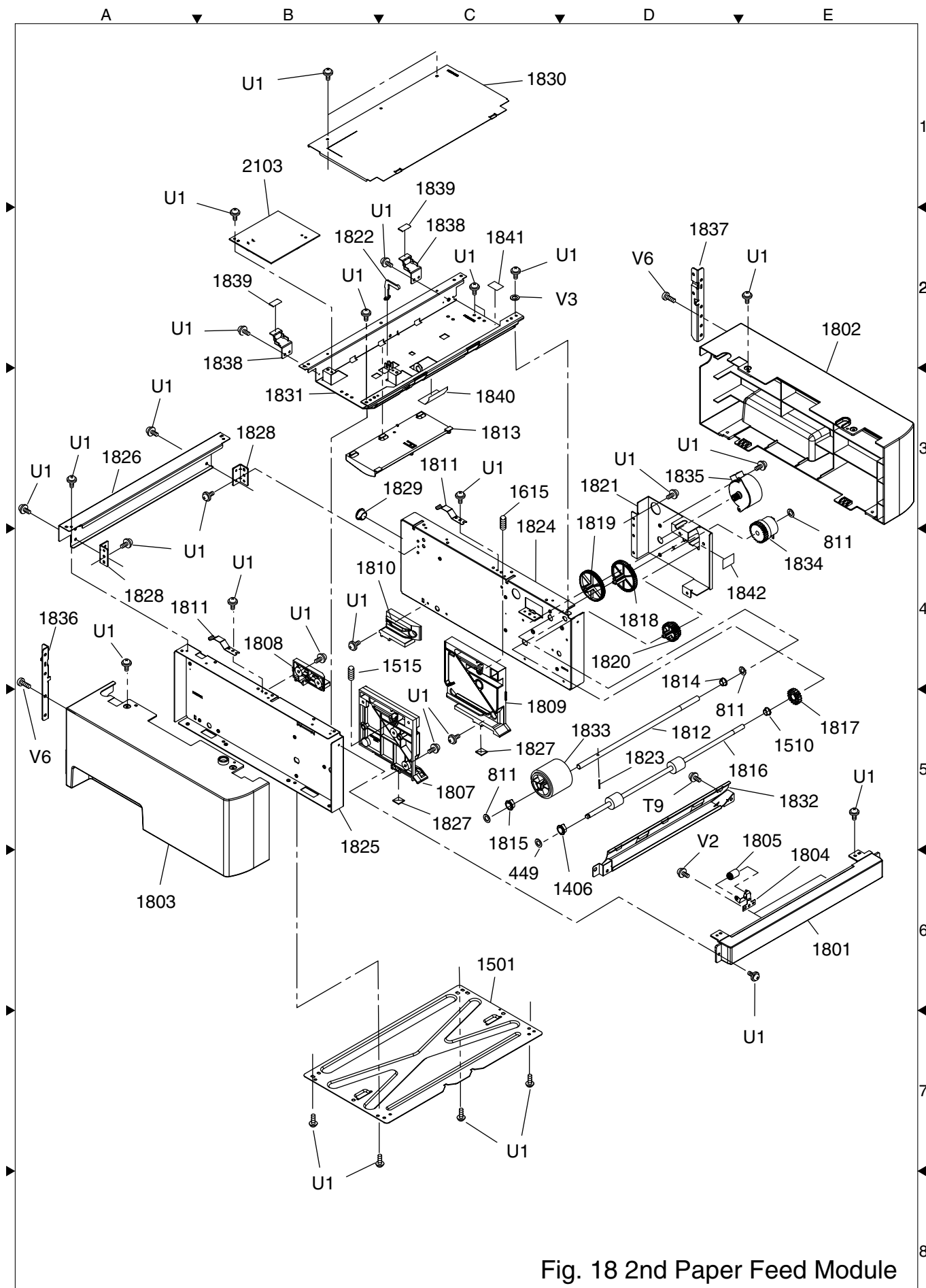
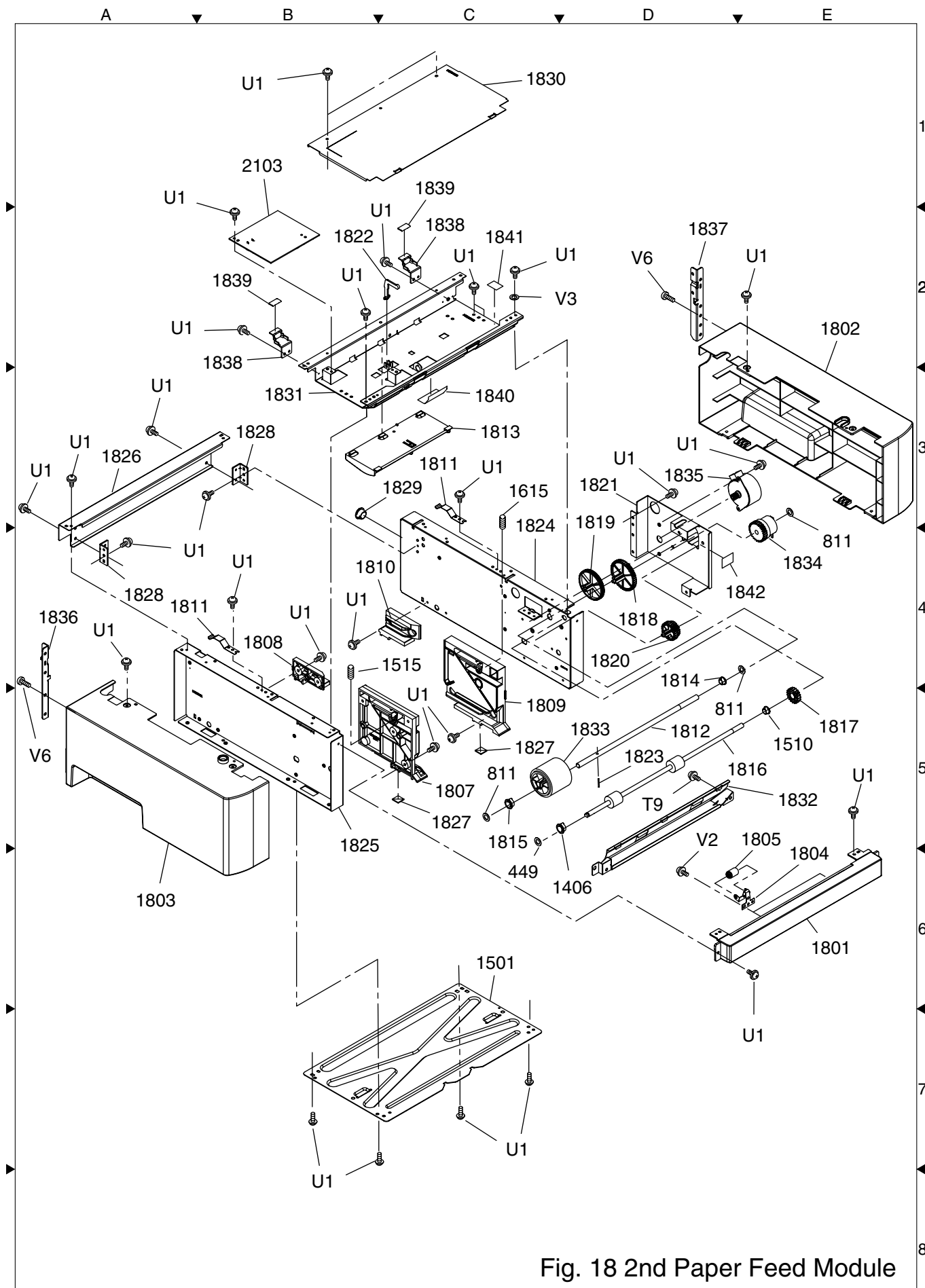


Fig. 18 2nd Paper Feed Module

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
⚠	2103	PJWPPMF3M2	PC Board, 2nd Feeder	C	OAPD	RTL, PbF	All
	T9	XTW3+8S	Screw	C	OAPD		All
	U1	XTW3+6L	Screw	C			All
	V2	XTW3+6S	Screw	C			All
	V3	XWE4	Washer	C			All
	V6	XTB3+8JFN	Screw	C	OAPD		All



5.16. Paper Tray (2nd Paper Feed Module)

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
⚠	1901	PJHRB0338Z	Base, Paper Tray	C	OAPD		All
	1902	PJHRB0340Z	Guide, Right Paper Side	C	OAPD		All
	1903	PJHRB0341Z	Guide, Left Paper Side	C	OAPD		All
	1904	PJHRB0339Z	Case, Paper Tray Extension	C	OAPD		All
	1905	PJDSB0190Z	Spring, Retard Pad	C	OAPD		All
	1906	PJHRB0344Z	Indicator, Orange Paper Level	C	OAPD		All
	1907	PJDSB0157Y	Spring Friction	C	OAPD		All
	1908	PJUSB0089Z	Spring, Side Guide	C	OAPD		All
	1909	PJMDB0155Y	Lifter, Paper	C	OAPD		All
	1910	PJHRB0343Z	Cover, Lifter	C	OAPD		All
	1911	PJHRB0447Z	Guide, Paper	C	OAPD		Except AU
	1912	PJZEF2301AU	Pad, Separation	C		PM	All
	1913	PJZEF2302AU	Assembly, Paper Size Knob	C			All
	1914	PJGEC0004Z	Sheet, Paper Tray F	C			AU
	1915	PJGEC0005Z	Sheet, Paper Tray G	C			AU
	1916	PJGEC0009Z	Sheet, Paper Tray H	C			AU
	1917	PJGEC0010Z	Sheet, Paper Tray I	C			AU
	1918	PJGFC0012Z	Label, Max. Level Indicator 2	C			All
	1919	PJHGC0004Z	Rubber, Separation Pad	C			All
	1702	PJHSB0007Z	Pad, Friction	C	OAPD		All
	1707	PJDSB0020Z	Spring, Stopper	C	OAPD		All
	1708	PJHRB0034Z	Stopper	C	OAPD		All
	1713	PJDG50133Y	Gear, Pinion	C	OAPD		All
	1714	PJHRB0036Z	Rack	C	OAPD		All
	U8	XTW3+U8S	Screw	C	OAPD		All

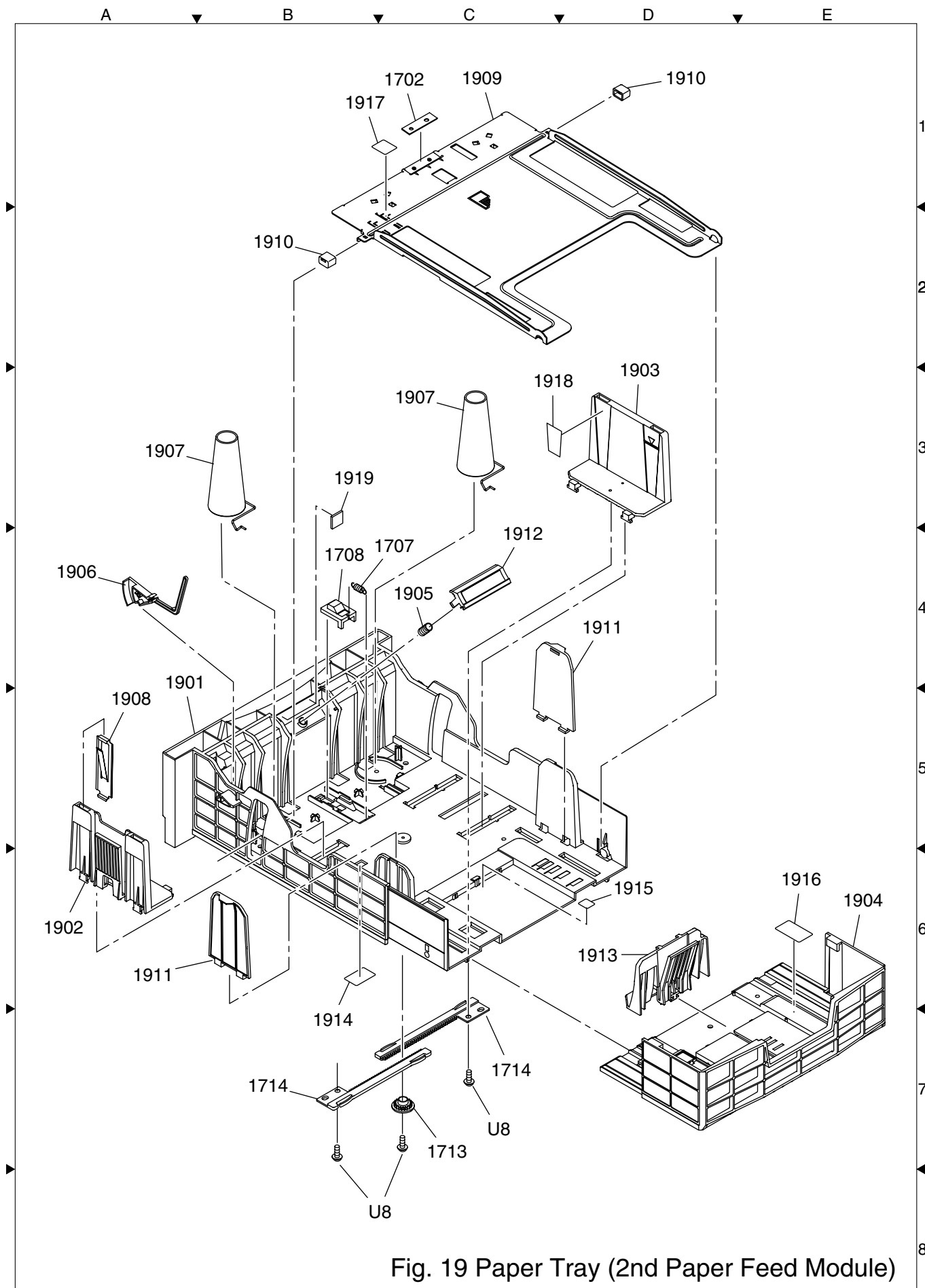


Fig. 19 Paper Tray (2nd Paper Feed Module)

5.17. PC Boards

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
⚠	2001	PJWPF2688AU	PC Board, SC	N		For UF-7000	AU
		PJWPF2687AU				For UF-8000	
		PJWPF2688AE				For UF-7100	AE
		PJWPF2687AE				For UF-8100	
		PJWPF2688AG				For UF-7100	AG
		PJWPF2687AG				For UF-8100	
		PJWPF2688EB				For UF-7100	AL, EB, ES
		PJWPF2687EB				For UF-8100	
		PJWPF2688EP				For UF-7100	AM, EE, EH, EP
		PJWPF2687EP				For UF-8100	
		PJWPF2688AV				For UF-7100	AV
		PJWPF2687AV				For UF-8100	
		PJWPF2688ER				For UF-7100	ER
		PJWPF2687ER				For UF-8100	
		PJWPF2688YC				For UF-7100	YC
		PJWPF2687YC				For UF-8100	
		PJWPF2688YV				For UF-7100	YV
		PJWPF2687YV				For UF-8100	
	2002	PJWPUF9KEM	PC Board, Engine Control	C			All
⚠	2003	PJWPF2686AU	PC Board, G3	N		For UF-8000	AU
		PJWPF2686YZ				For UF-8100	Except AU
⚠	2004	N0AB3GG00001	LVPS	N			AU, AE
		N0AC3GG00001					Except AU, AE
⚠	2005	PJWPF2685AU	PC Board, FXB	N			AU
		PJWPF2685EB					AL, EB
		PJWPF2685YC					Exsept AU, AL, EB
	2006	PJJRC2228Z	Harness, PNL 1	N			All
	2007	PJJRC2254Z	Harness, SC	N			All
	2008	PJJRC2234Z	Harness, Printer	N			All
	2009	PJJRC2245Z	Harness, G3	N		For UF-8000/ 8100	All
	2010	PJJRC2229Z	Harness, FXB	N			All
	2011	PJJRC2230Z	Harness, Speaker	N			All
	2012	PJJRC2235Z	Harness, LVP	N			All
⚠	2013	PJJEC05002Z	Harness, Registration Detect Sensor (Flat Harness)	C	OAPD		All
⚠	2014	PJJEC04002Z	Harness, Exit Sensor (Flat Harness)	C	OAPD		All
⚠	2015	PJJRML0019Z	Harness, LSU	C	OAPD		All
	2016	DZFP001554	Harness, Power Supply	C	OAPD		All
	2017	PJJRML0011Z	Harness, Low Toner Sensor	C	OAPD		All
	2018	PJJRML0015Z	Harness, No Paper Sensor	C	OAPD		All
⚠	2019	PJJRML0014Z	Harness, 2nd Paper Feed Module I/F Board	C	OAPD		All
	2020	PJJRML0021Y	Harness, Main Motor	C	OAPD		All

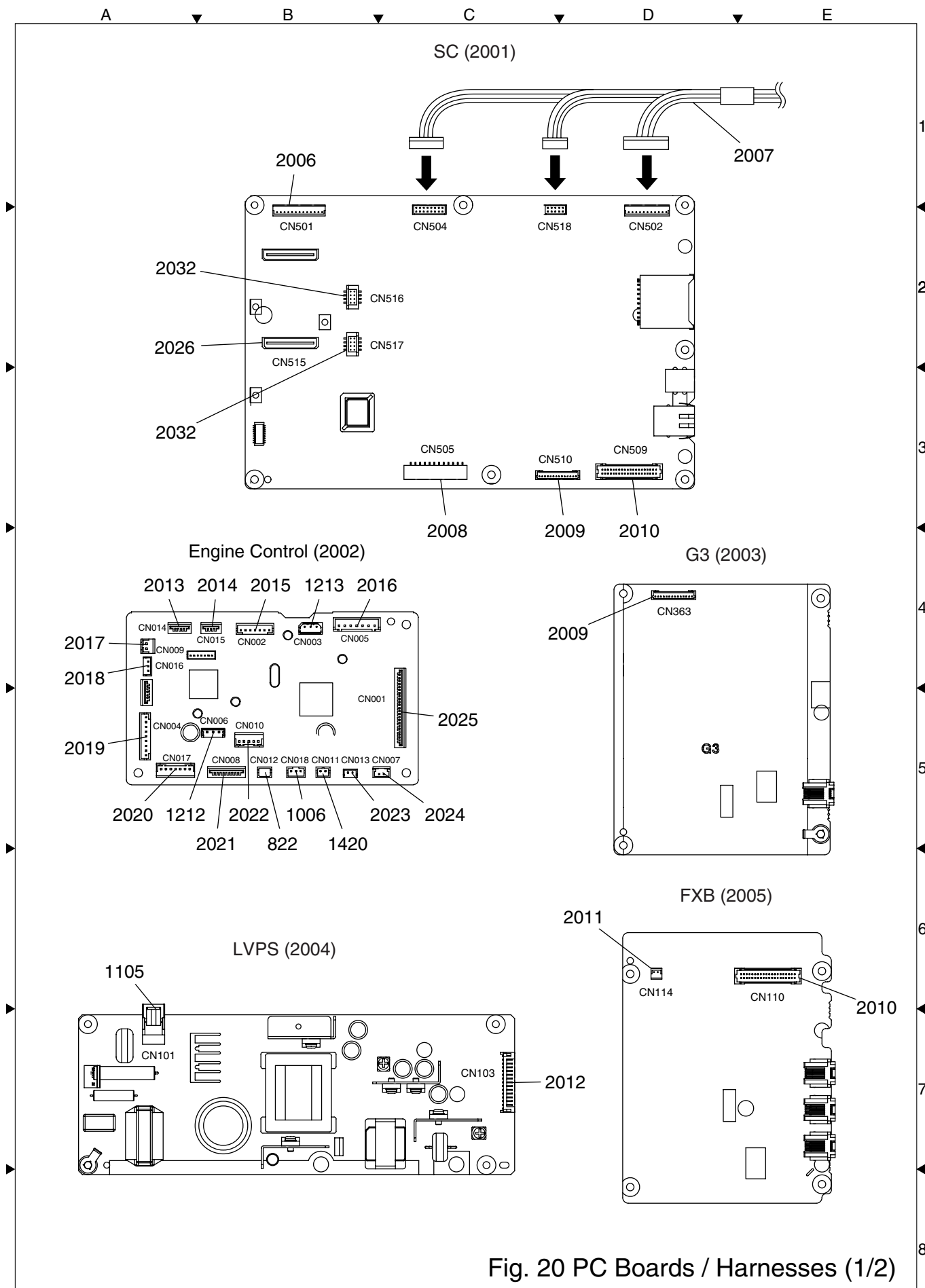


Fig. 20 PC Boards / Harnesses (1/2)

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
⚠	2021	PJJEC10003Y	Harness, HVPS (Flat Harness)	C	OAPD		All
⚠	2022	PJJRML0020Z	Harness, Motor	C	OAPD		All
	2023	PJJRB1026Z	Harness, Exit Solenoid Relay	C			All
	2024	PJJRB1028Z	Harness, Thermistor Relay	C			All
	2025	DZFP001555	Cable, ECB (Flat Harness)	C			All
	2026	DZEC102137	PC Board, FRM8	C			All
	2032	-----	Hardware Key			Available as Sales Item	All
⚠	822	PJWMP7100M	Assembly, Registration Solenoid	C	OAPD		All
⚠	1006	L6FALEGK0009	Motor, Fan	C	OAPD		All
⚠	1105	PJWS00GW0MQ	Assembly, Inlet	N		For UF-7000/8000	AU, AE
		PJWS00GW1MQ				For UF-7100/8100	Except AU, AE
⚠	1212	PJWSP7105M	Switch, Front Door Safety Interlock	C	OAPD		All
⚠	1420	PJWMP7305M	Assembly, Pick Up Solenoid	C	OAPD		All

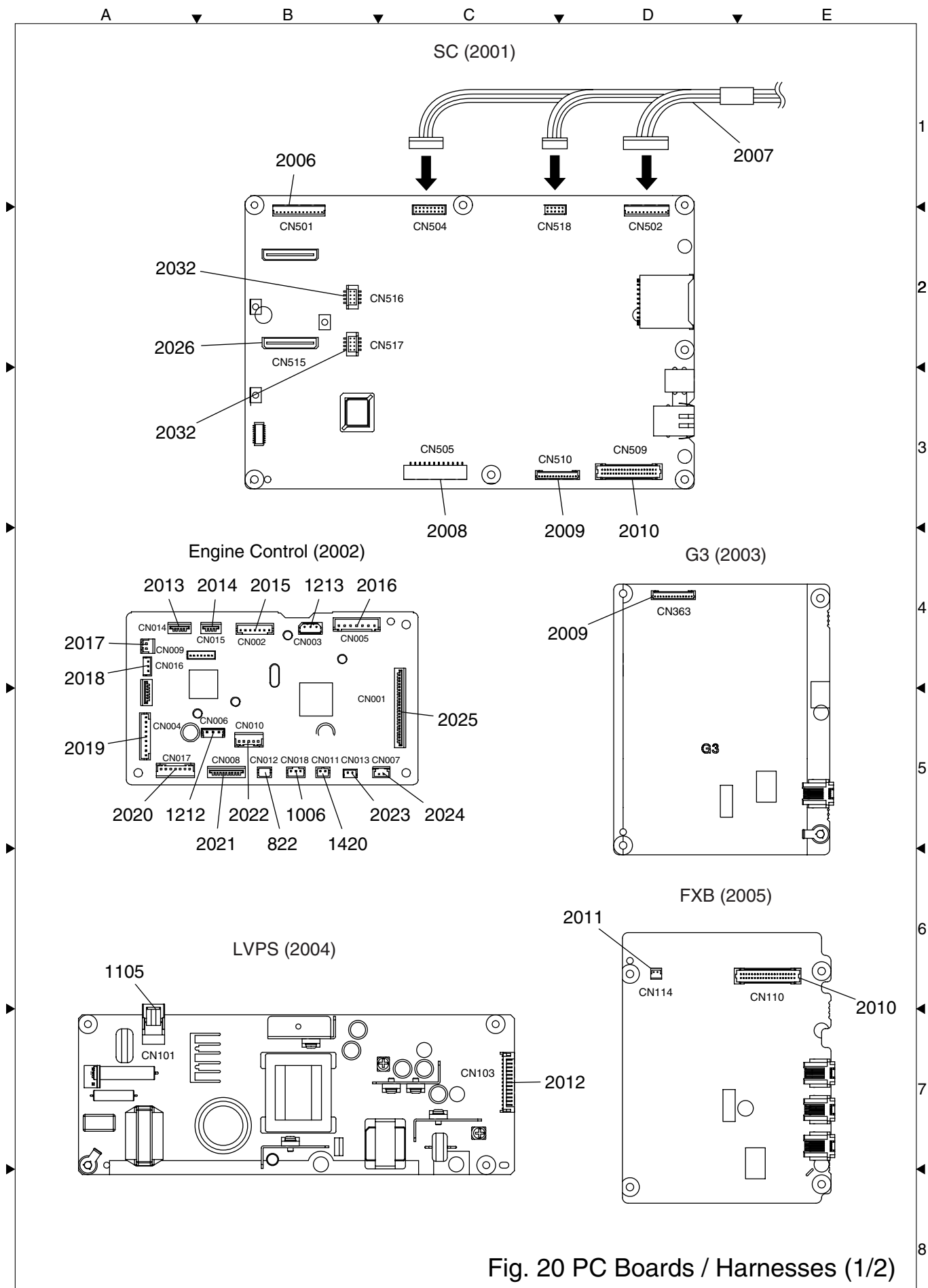


Fig. 20 PC Boards / Harnesses (1/2)

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
⚠	2101	PJWPF2684AU	PC Board, SDR	N			All
⚠	2102	PJWPF2680AE	PC Board, PNL 1	N			All
	2103	PJWPPMF3M2	PC Board, 2nd Feeder	C	OAPD		All
⚠	2104	PJWPF2682AU	PC Board, PNL 3	N			All
⚠	2105	PJWPF2681AU	PC Board, PNL 2	N			All
⚠	2106	PJWPF2683AU	PC Board, PNL 4	N			All
	2107	PJJRC2236Z	Harness, TRSM	N			All
	2108	PJJRC2239Z	Harness, B Door Sensor	N			All
	2109	PJJRC2237Z	Harness, ADF Motor	N			All
⚠	2110	PJJRML0001Y	Harness, ECU Power	C	OAPD		All
	2111	PJJRC2238Z	Harness, AC Sensor	N			All
	2112	PJWLPMF3M	Cable, I/F	C	OAPD		All
	2113	PJWWF2682AZ	Harness, PNL1-PNL3	N			All
	2114	PJWWF2681AZ	Harness, PNL1-PNL2 A	N			All
	2115	PJWWF2680AZ	Harness, PNL1-PNL2 B	N			All
	123	PJWDF2680AZ	LCD Module	N			All
⚠	440	PJWUF2680AU	CIS	N		For UF-8000/ 8100	All
		PJWUF2681AU				For UF-7000/ 7100	All
⚠	454	TDS-SY5-25M	Solenoid, Stamp	N			All
⚠	1834	PJWMPMF3M	Clutch	C	OAPD		All
⚠	1835	PJWQPMF3M	Motor	C	OAPD		All

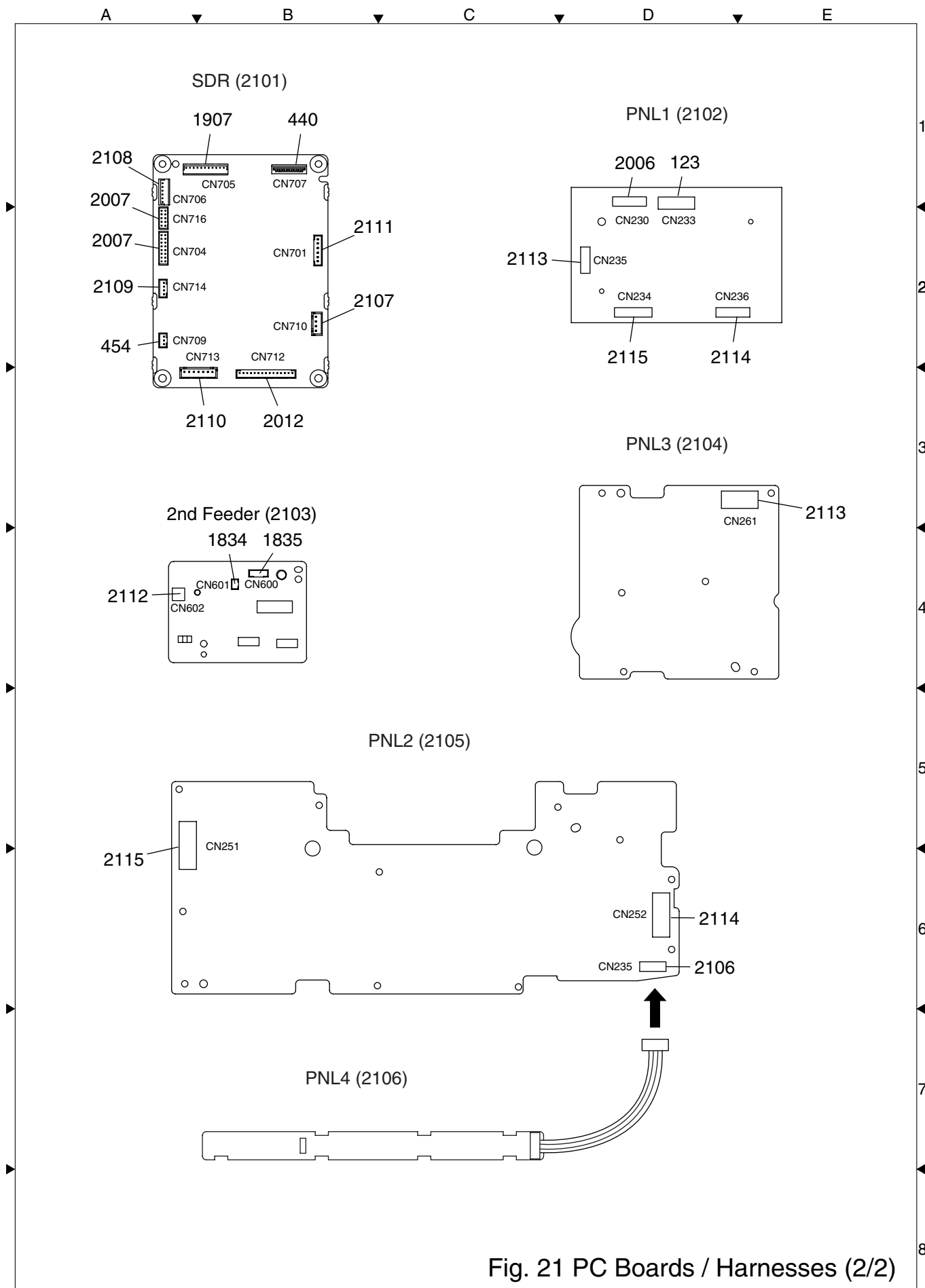


Fig. 21 PC Boards / Harnesses (2/2)

5.18. Packing and Accessories

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	2201	PJPEC0003Z	Pad, Top	N			All
	2202	PJPGC0032Z	Box, Carton	N		For UF-7000	AU
		PJPGC0002Z				For UF-8000	AU
		PJPGC0132Z				For UF-7100	YV
		PJPGC0131Z				For UF-8100	YV
		PJPGC0062Z				For UF-7100	Except AU, YV
		PJPGC0061Z				For UF-8100	Except AU, YV
	2203	DZRG000003	Joint	C			All
	2204	PJPQC0002Z	Cushion, Top Right	N			All
	2205	PJPQC0003Z	Cushion, Top Left	N			All
	2206	PJPQC0004Z	Cushion, Bottom Right	N			All
	2207	PJPQC0005Z	Cushion, Bottom Left	N			All
	2208	PJPEC0016Z	Pad, Bottom	N			All
	2209	PJPGC0041Z	Box, Bottom	N			All
⚠	2210	DZFM000114	Cord, Power	C			AU
		DZFN000050					AE
		DZFM000073					AG, AV, EH, EP, ER, YC
		DZFM000028 or					AL
		DZFM000115					AM
		DZFM000076					EB, ES
		DZFM000032 or					EE
		DZFM000064					YV
		DZFM000074					
		DZFM000030 or					
		DZFM000065					
		DZFM000043 or					
	2211	DZFN000050	Cable, Line	C			AU, AE, EB, EP, ER, ES, YC, YV
		DZFN000069					AG
		DZFN000017					AL
		DZFN000104					AV, EH, ER
		DZFN000095					EB
		DZFN000015					EE
		DZFN000078					EE
		DZFN000030					EH
		DZFN000016					EP
	2212	PJWACC00004Z	Software CD	N			AU
		PJWACC00008Z					Except AU
	2213	-----	Licence Agreement	N			All
	2214	PJJXC0036Z	Operating Instructions CD	N			Except AE, YV

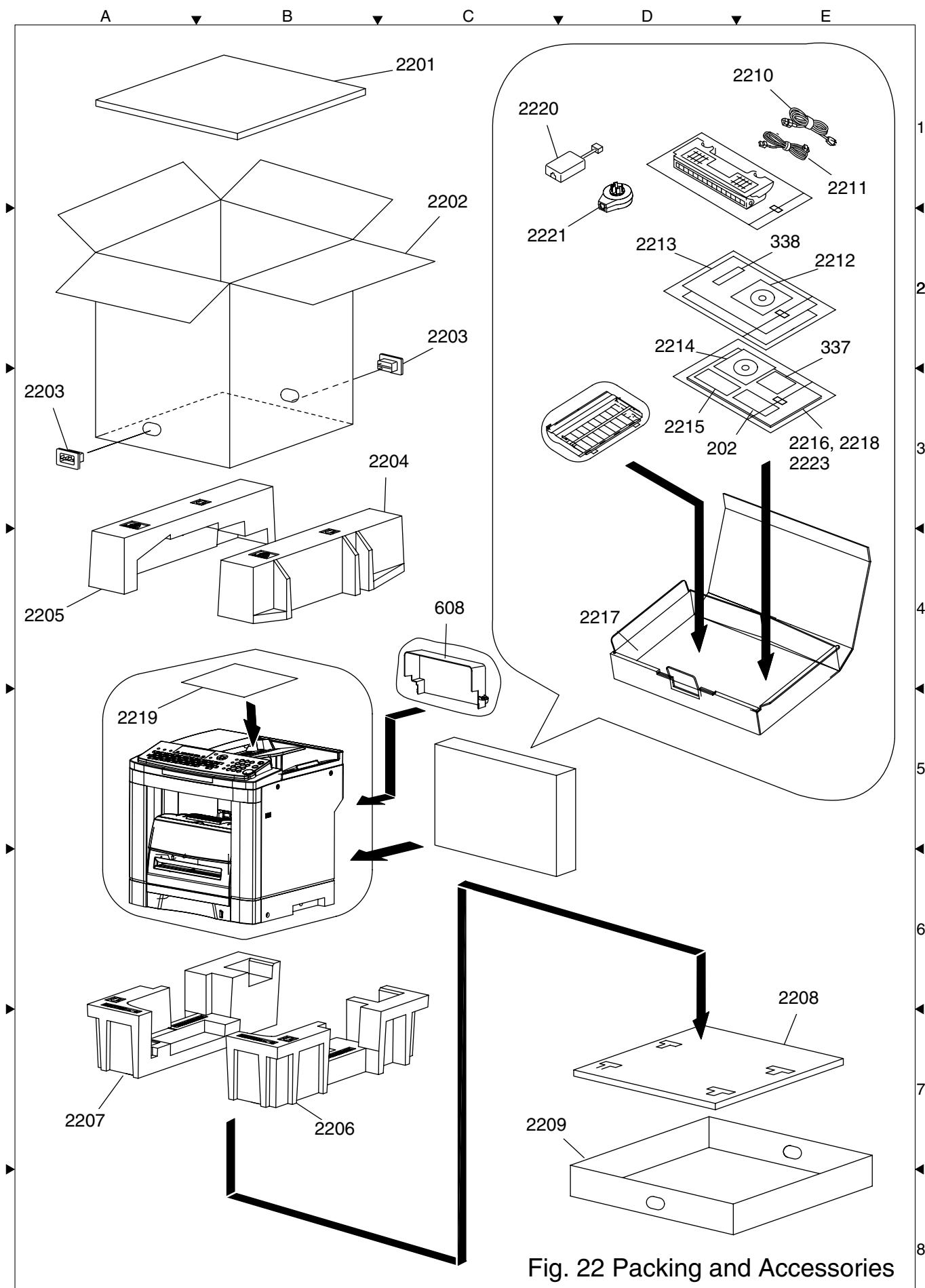


Fig. 22 Packing and Accessories

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	2215	PJQTC0005Z	Holder, Directory Sheet	N			AU
⚠	2216	PJQQC0012Z	Quick Guide	N			AU
		PJQQC0013Z					AG, AL, AV, EB
	2217	PJPCC0001Z	Box, Accessories	N			All
	2218	PJQMC0081Z	Operating Instructions	N			YV
		PJQMC0083Z					AE
	2219	PJQRC0031Z	Important Notice	N			All
	2220	DZFN000120	Converter, Telephone Line	C			AL, EB
		DZFN000096					AM
	2221	DZFB000010	Plug, PTT	C			AL
		DZFN000105					AV
		K2ME4B000001					AM
		DZFB000001					EH
		DZFN000107					ER
		DZFN000109					
		DZFN000119					
	2223	-----	Warranty Information Sheet	N			AU, EE, EP, YV
	202	PJKPC0039Z	Cover, Directory Sheet	N			YC
		PJKPC0038Z					EH
	337	PJGFC0100Z	Label, Function	N			AM
		PJGFC0123Z					AM
		PJGFC0099Z					AM, EH
		PJGFC0122Z					EP
	338	PJGFC0128Z	Label, Minimum Length	N			AM
		PJGFC0253Z					AM
		PJGFC0127Z					AM, EH
		PJGFC0254Z					EP
	608	PJKEB0130Z	Cover, Rear Paper Tray	C			All

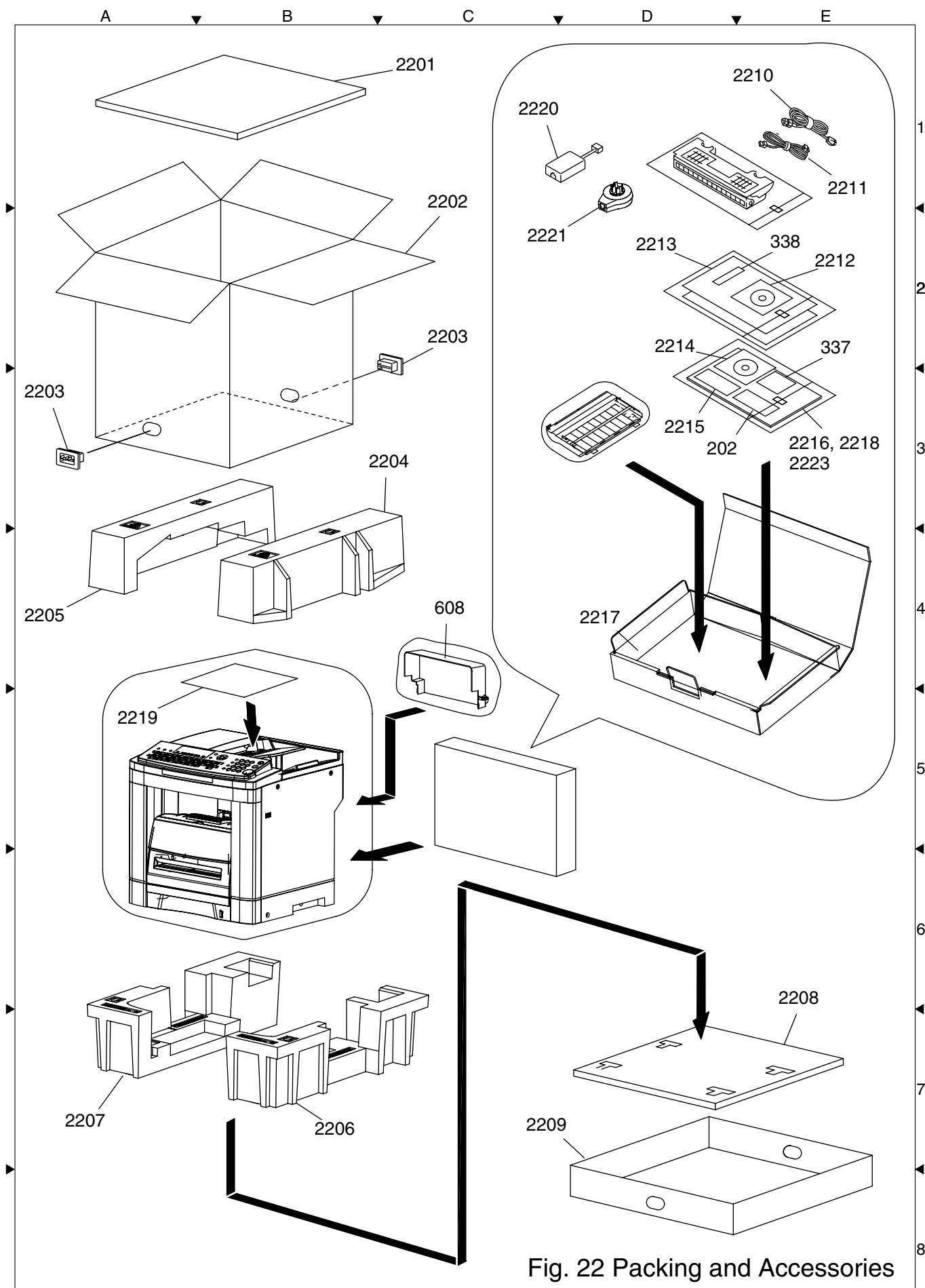



Fig. 22 Packing and Accessories

5.19. 2nd Paper Feed Module Packing and Accessories

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	2301	PJPGB0230Z	Carton Box	C			AU, YV
		PJPGB0230Y					Except AU, YV
	2302	PJPNB0154Z	Cushion, Front	C			All
	2303	PJPNB0155Z	Cushion, Rear	C			All
	2304	PJPNB0082Z	Cushion, Inner	C	OAPD		All
	2305	PJHRB0701Z	Cushion, Leg	C		Not Used	All
	2306	PJQMB0132Z	Installation Instructions	C			All
	1836	PJULC0023Z	Bracket, L	C			All
	1837	PJULC0022Z	Bracket, R	C			All
	1838	PJMDB0256Z	Bracket, Joint	C			All
	1839	PJHRB0684Z	Sheet, Bracket	C			All
	V6	XTB3+8JFN	Screw	C	OAPD		All
	U1	XTW3+6L	Screw	C			All

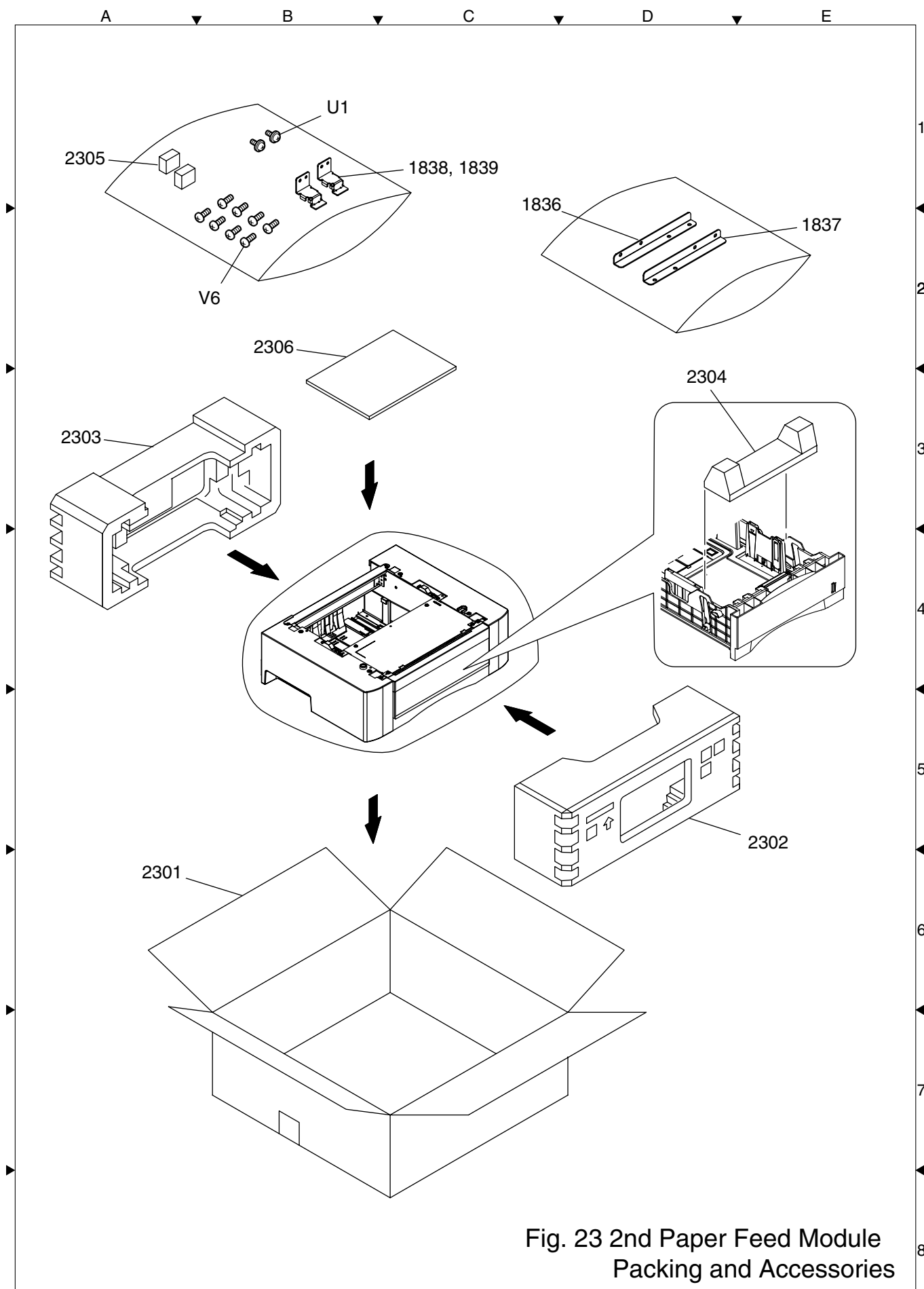


Fig. 23 2nd Paper Feed Module
Packing and Accessories

5.20. Printer Controller Module for PCL6

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	2401	PJQRC0027Z	Installation Instructions	N			All
	2402	PJWACC00014Z	Software CD	N			AU
		PJWACC00015Z					Except AU
	2403	DZRB000101	Carton Box	C			All
	2032	-----	Hardware Key				All

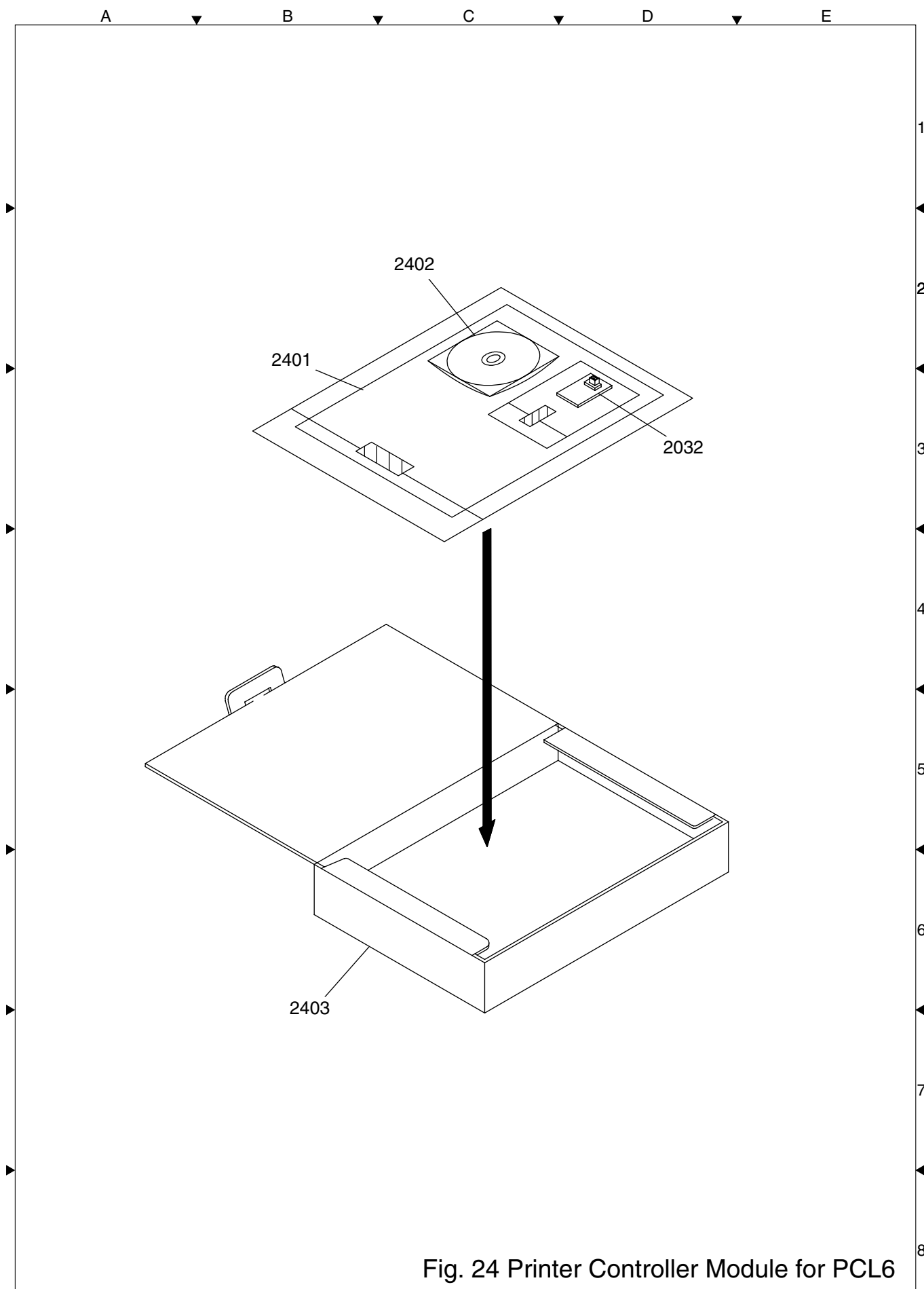


Fig. 24 Printer Controller Module for PCL6

5.21. G3 Communication Port Kit (For UF-8000/8100)

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	2501	PJQRC0029Z	Installation Instructions	N			All
	642	PJQHC0060Z	Label, G3 Line	N			All
	704	PJMCC0008Z	Case, G3 Option	N			All
	705	PJMCC0004Z	Cover, Fax	N			All
	714	PJHSC0006Z	Gasket, 85mm	N			Except AU
⚠	2003	PJWPF2686AU	PC Board, G3	N		For UF-8000	AU
		PJWPF2686YZ				For UF-8100	Except AU
	2009	PJJRC2245Z	Harness, G3	N			All
	2211	DZFN000095	Cable, Line	C			EB
		DZFN000050					AU, AE, EB, YV
		DZFN000017					AL
		DZFN000069					AG
		DZFN000104					AV
	2220	DZFN000120	Converter, Telephone Line	C			AL, EB
	Y3	XTW3+6LFJ	Screw	C			All

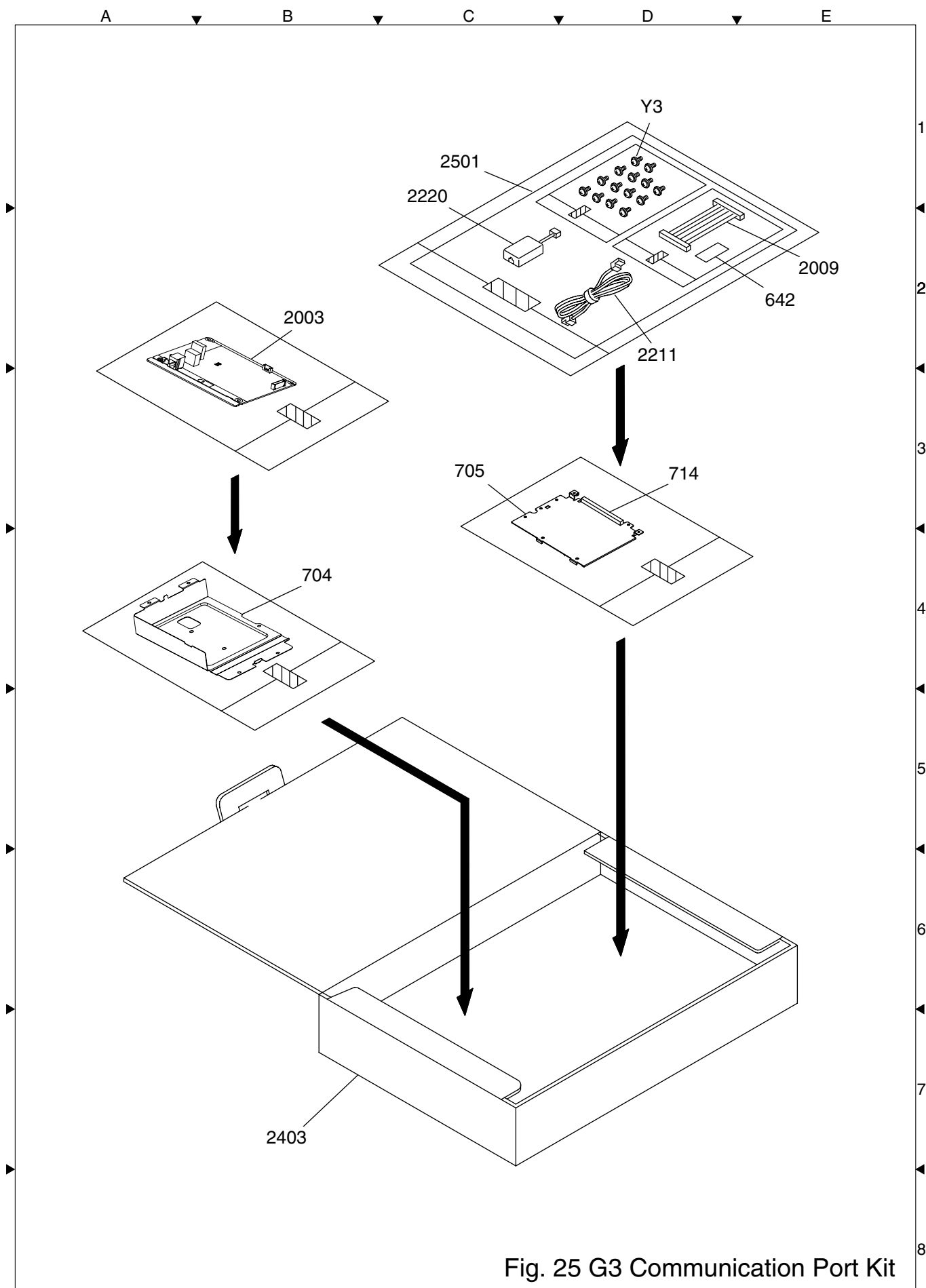


Fig. 25 G3 Communication Port Kit

5.22. Network Scan / Email / Internet Fax Kit

Safety Mark	Ref. No.	Parts Number	Part Name	New Parts	Supplier	Remarks	Destination
	2601	PJQRC0028Z	Installation Instructions	N			All
⚠	2602	PJQQC0017Z	Quick Guide	N			AU
		PJQQC0018Z					Except AU, AE, ER, YC, YV
		PJQQC0019Z					ER
		PJQQC0020Z					YC
⚠	2603	PJQMC0102Z	Operating Instructions	N			YV
		PJQMC0104Z					AE
	2032	-----	Hardware Key				All
	2403	DZRB000101	Carton Box	C			All

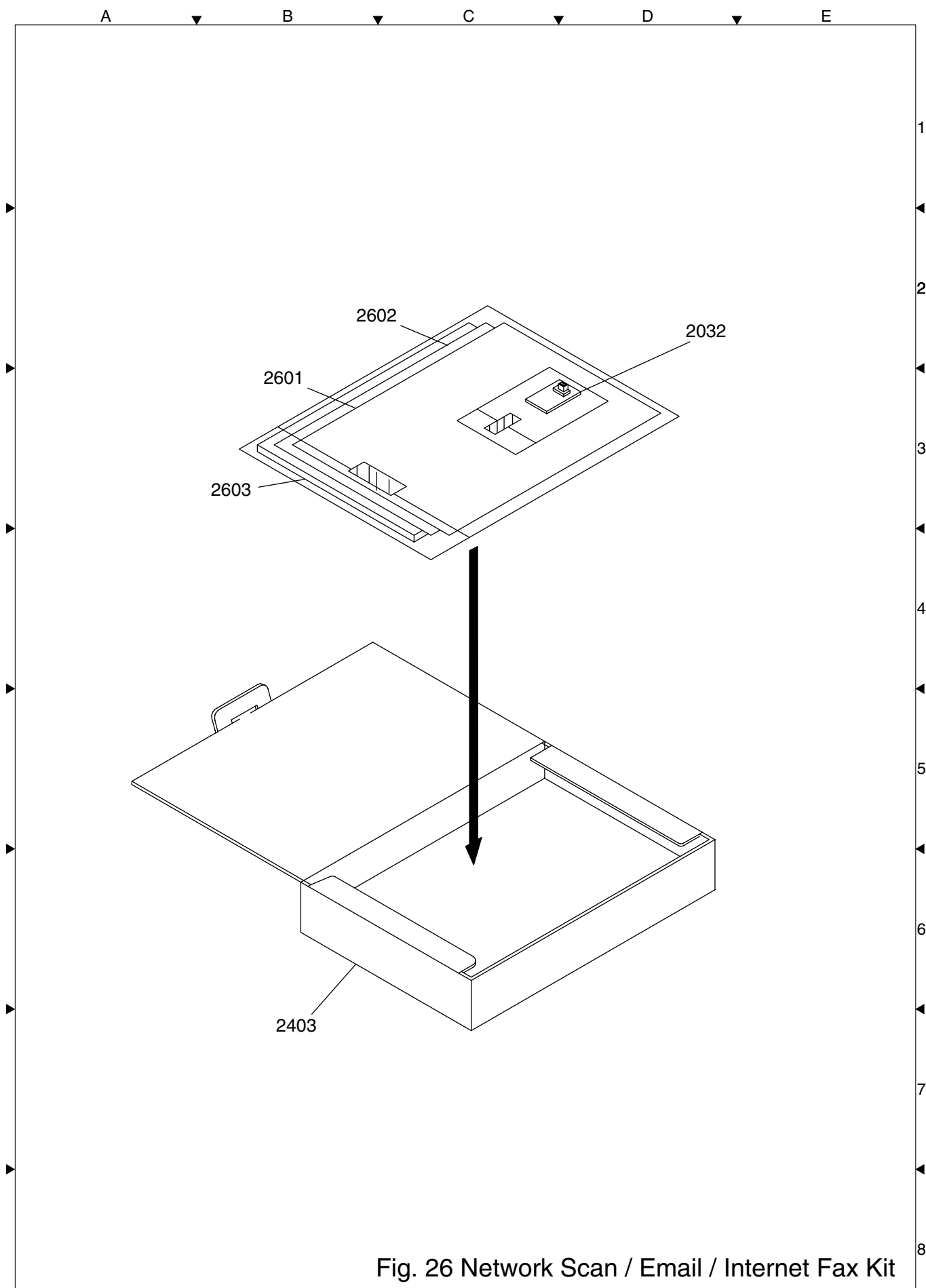
















































Fig. 26 Network Scan / Email / Internet Fax Kit

5.23. Hardware Identification Template

Ref. No.	Part No.	Figure	Remark
3F	XYN3+F5	 	Screw
G8	XWC3B	 	Washer, Star
H6	FFPFJ0033B	 	Snap Ring
H7	FFPFJ0041B	 	Snap Ring
J8	XUC7VM	 	E-Ring
P3	XTW3+8L	 	Screw
S6	DZPA000086	 	Screw
T9	XTW3+8S	 	Screw
U1	XTW3+6L	 	Screw
U3	XYC3+FF8C	 	Screw
U4	XTW3+12S	 	Screw
U5	XTW3+12SFZ	 	Screw
U6	XUC4VW-V	 	E-Ring
U7	PJNEB0003Y	 	Screw
U8	XTW3+U8S	 	Screw
U9	XSN3+4	 	Screw
V1	XYC3+FF6	 	Screw
V2	XTW3+6S	 	Screw

Ref. No.	Part No.	Figure	Remark
V3	XWE4	|	Washer
W4	XTB2+12J	 	Screw
W7	PJNAC0003Z	 	Screw
X8	XTB3+8GFJ	 	Screw
Y3	XTW3+6LFJ	 	Screw
Y9	XYN4+F8FJ	 	Screw
Y12	XWG3FU	|	Washer
Y13	XTW3+8LFJ	 	Screw
Y14	XTW3+8SFJ	 	Screw
Y15	XTB4+8FFJ	 	Screw
Y16	XYN3+F6FJ	 	Screw
Y17	XTB26+6JFJ	 	Screw

6 Alphanumerical Parts List

Alphanumerical Parts List					
Part Number	Part Name	Ref. No.	Supplier	PM	Destination
40S2M120	Belt, Paper Transfer Timing	527			All
A4DP3L000003	Lamp, Halogen	1309			AU, AE
A4DP7K000002					Except AU, AE
CR2032	Battery	122			All
DZAL000072	Sensor, Photo	320			All
DZDU000025	Handset (Refer to 1.1.1.)	626			Except AK
DZDU000027					AK
DZEC101941	PC Board, SRU (Refer to 1.1.1.)	2027			AU
DZEC102137	PC Board, FRM8	2026			All
DZEC102449	PC Board, SRU (Refer to 1.1.1.)	2027			YX
DZEC102525					AK
DZEC102526					AT
DZEC102527					YW
DZEC102566					YC, YV
DZEC102567					AE
DZEC102714					YR
DZFB000001	Plug, PTT	2221			EH
DZFB000010					AL
DZFM000028	Cord, Power	2210			AG, AV, EH, EP, ER, YC
DZFM000030					EE
DZFM000032					AM
DZFM000043					YV
DZFM000064					EB
DZFM000065					YV
DZFM000073					AG, AV, EH, EP, ER, YC
DZFM000074					EE
DZFM000076					AM
DZFM000109					AE
DZFM000114					AU
DZFM000115					AL
DZFN000015	Cable, Line	2211			EE
DZFN000016					EP
DZFN000017					AL
DZFN000030					EH
DZFN000050					AU, AE, EB, EP, ER, ES, YC, YV
DZFN000060	Cord, Handset	629			Except YR, YX
DZFN000066					YR, YX
DZFN000069	Cable, Line	2211			AG
DZFN000078	Cable, Line	2211			EE
DZFN000082	Cord, Cradle	630			AK
DZFN000095	Cable, Line	2211			EB
DZFN000096	Converter, Telephone Line	2220			AM
DZFN000104	Cable, Line	2211			AV, EH, ER
DZFN000105	Plug, PTT	2221			AV
DZFN000107					ER
DZFN000109					ER
DZFN000115	Cord, Cradle	630			Except AK
DZFN000119	Plug, PTT	2221			ER

Alphanumerical Parts List					
Part Number	Part Name	Ref. No.	Supplier	PM	Destination
DZFN000120	Converter, Telephone Line	2220			AL, EB
DZFP001554	Harness, Power Supply	2016			All
DZFP001555	Cable, ECB (Flat Harness)	2025			All
DZHP000237	Unit, Stamp	453			AU
DZHP000240					Except AU
DZJE000165	Cradle, Lower	628			YR, YX
DZJE000166	Cradle, Upper	627			YR, YX
DZJE000738					AU
DZJE000740	Cradle, Lower	628			AU
DZJH000084	Support, Locking	715			All
DZJK000017	Edge Saddle	530			All
DZLA000237	Roller, Pinch	528			All
DZMA000260	Cradle, Upper	627			Except AU, YR, YX
DZMA000269	Cradle, Lower	628			Except AU, YR, YX
DZNK002411	Label, Earth Warning	644			EB, ER
DZNK005395	Label, Laser Caution	632			All
DZNM000005	Logo, Panasonic	104			All
DZPA000086	Screw	S6			All
DZPA000098	Screw, Shoulder	330			All
DZRB000101	Carton Box	2403			All
DZRG000003	Joint	2203			All
EDS0607M	Clamp	443			All
EDS-1717U	Edge Saddle	1030			All
EDS-17L	Edge Saddle	1029			All
FFPFA01561	Screw, Shoulder	331			All
FFPFJ0033B	Snap Ring	H6			All
FFPFJ0041B	Snap Ring	H7			All
FFPTE2625	Label, Maximum Doc. Level Indicator	307			All
FFPTE2650	Label, Energy Star	639			All
J0KF00000015	Ferrite Core	1215			All
J0KF00000046					All
K2ME4B000001	Plug, PTT	2221			AM
K5AT281613	Core	1216	OAPD		All
L0AA05A00051	Speaker	717			All
L2AA00000088	Thermistor	1329			All
L2AA00000090	Thermostat	1304			All
L6CCKGEK0003	Motor	907	OAPD		All
L6FALEGK0009	Motor, Fan	1006	OAPD		All
L6HBHHGB0002	Motor, Paper Feed	507			All
L6HBKHGB0003	Motor, Paper Transfer	324			All
N0AB3GG00001	LVPS	2004			AU, AE
N0AC3GG00001					Except AU, AE
N0GG4E000002	HVPS	1005	OAPD		All
PJAAC0001Z	Lens, LED (For UF-7000/8000)	119			AU
PJBAB0011Z	Hook	620	OAPD		All
PJBAC0003Z	Stopper	316			All
PJBAC0004Z	Lever, Paper Sensor	304			All
PJBCC0002Z	Key, Contrast	115			All
PJBCC0003Z	Key, Zoom	111			All
PJBCC0004Z	Key, Letter A (For UF-7000/8000)	121			AU
PJBCC0005Z	Key, Letter B (For UF-7000/8000)	120			AU

Alphanumeric Parts List

Part Number	Part Name	Ref. No.	Supplier	PM	Destination
PJBCC0006Z	Key, Stop	105			All
PJBCC0007Z	Key, Start	107			All
PJBCC0008Z	Key, Serial	108			All
PJBCC0009Z	Key, Copy	106			All
PJBCC0010Z	Key, Set	112			All
PJBCC0011Z	Key, Clear	113			All
PJBCC0012Z	Key, Energy	116			All
PJBCC0013Z	Key, Function	117			All
PJBCC0014Z	Key, Stamp	114			All
PJBLC0015Z	Arm, Stopper	315			All
PJBUC0016Z	Spring, Ground Plate	407			All
PJBUC0051Z	Spring, Reading Guide Pressure	525			All
PJBUC0064Z	Spring, Front Pressure	450			All
PJBUC0065Z	Spring, Rear Pressure	451			All
PJBUC0066Z	Spring, Paper Feed Tension	535			All
PJBUC0067Z	Plate, Spring Ground	333			All
PJBVC0006Z	Spring, Lock Lever	509			All
PJBVC0007Z	Spring, Pressure 1	429			All
PJBVC0008Z	Spring, Pressure 2	430			All
PJBVC0009Z	Spring, Separation	406			All
PJBVC0010Z	Spring, Paper Exit Pressure	505			All
PJBVC0011Z	Spring, Tension 1	534			All
PJBVC0012Z	Spring, Tension 2	335			All
PJBVC0062Z	Spring, Stopper Arm	314			All
PJBVC0114Z	Spring, Lock Lever 2	538			All
PJBWC0004Z	Spring, Front Damper	432			All
PJBWC0005Z	Spring, Rear Damper	425			All
PJBWC0006Z	Spring, Document Eject Sensor	532			All
PJBWC0027Z	Spring, Registration Sensor	458			All
PJBWC0028Z	Spring, Pick Up Reset	445			All
PJDAC0001Z	Pulley, Paper Feed Motor	508			All
PJDAC0002Z	Pulley, Paper Transfer Motor	323			All
PJDBC0002Z	Lever, Feed	411			All
PJDBC0003Z	Lever, Document Eject Sensor	523			All
PJDBC0004Z	Lever, Registration Sensor	437			All
PJDEC0005Z	Roller, Pitch	422			All
PJDEC0006Z	Roller, Tension	327			All
PJDEC0032Z	Limiter	412			All
PJDFB0008Z	Shaft, Roller	634	OAPD		All
PJDFB0009Z	Shaft, A/D Roller	1504	OAPD		All
PJDFB0025Z	Shaft, Pick Up Roller	1812	OAPD		All
PJDFB0122Z	Shaft, Fuser Drive	1301	OAPD		All
PJDFB0163Z	Shaft, Pick Up Roller	1411	OAPD		All
PJDG50133Y	Gear, Pinion	1713	OAPD		All
PJDGB0021Z	Gear, Heat Roller	1308	OAPD		All
PJDGB0023Z	Gear, Z24 Fuser	1302	OAPD		All
PJDGB0024Z	Gear, Z21 Fuser	1202	OAPD		All
PJDGB0025Z	Gear, Internal	1204	OAPD		All
PJDGB0026Z	Gear, Z36 Upper Exit Roller Drive	1203	OAPD		All
PJDGB0027Z	Gear, Black Ratchet	1205	OAPD		All
PJDGB0028Z	Gear, Ratchet	806	OAPD		All
PJDGB0029Z	Gear, Planetary	809	OAPD		All
PJDGB0030Z	Gear, A/D Unit Union	1511	OAPD		All

Alphanumerical Parts List					
Part Number	Part Name	Ref. No.	Supplier	PM	Destination
PJDGB0038Z	Gear, Registration Roller	1404	OAPD		All
PJDGB0039Z	Gear, Paper Feed Roller	1407	OAPD		All
PJDGB0040Z	Gear, Pick Up Internal	1401	OAPD		All
PJDGB0041Z	Gear, Pick Up Arm	1402	OAPD		All
PJDGB0042Z	Gear, Registration Internal	808	OAPD		All
PJDGB0043Z	Gear, Registration Arm	807	OAPD		All
PJDGB0047Z	Gear, OPC B	901	OAPD		All
PJDGB0048Z	Gear, OPC A	902	OAPD		All
PJDGB0049Z	Gear, Fuser	903	OAPD		All
PJDGB0051Z	Gear, Fuser Drive	812	OAPD		All
PJDGB0052Z	Gear, ADU Drive	801	OAPD		All
PJDGB0056Z	Gear, Registration A	904	OAPD		All
PJDGB0057Z	Gear, Transfer	1605	OAPD		All
PJDGB0058Z	Gear 1	1817	OAPD		All
PJDGB0059Z	Gear 2	1818	OAPD		All
PJDGB0060Z	Gear 3	1819	OAPD		All
PJDGB0061Z	Gear 4	1820	OAPD		All
PJDGB0069Z	Gear, Registration B	905	OAPD		All
PJDGB0070Z	Gear, Registration Drive	802	OAPD		All
PJDGB0071Z	Gear, Double Teeth	804	OAPD		All
PJDGB0072Z	Gear, Idle Z19	803	OAPD		All
PJDGB0073Z	Gear, Idle Z14	805	OAPD		All
PJDGB0203Z	Gear, Upper Exit Roller Drive	1206	OAPD		All
PJDGB0204Z	Gear, Intermediate Fuser	814	OAPD		All
PJDGC0005Z	Gear, Paper Feed	421			All
PJDGC0008Z	Gear, Paper Feed 2	439			All
PJDGC0009Z	Gear, Paper Guide	311			All
PJDGC0010Z	Rack, Paper Guide	310			All
PJDGC0011Z	Gear, Paper Feed Pulley	511			All
PJDGC0012Z	Gear, Paper Transfer Pulley	326			All
PJDGC0058Z	Gear, Paper Feed 1	418			All
PJDGC0059Z	Gear, Paper Feed 2	417			All
PJDGC0123Z	Gear, Pick Up 1	447			All
PJDGC0124Z	Gear, Pick Up 2	446			All
PJDIC0003Z	Arm, Connection	413			All
PJDDJ05011CZ	Bearing, C5	1510	OAPD		All
PJDDJ05041RZ	Bearing, R5	1406	OAPD		All
PJDDJ06061CZ	Bearing	1814	OAPD		All
PJDDJ06121RZ	Bearing	1815	OAPD		All
PJDDJB0008Z	Bushing, Left Heat Roller	1306	OAPD		All
PJDDJB0009Z	Bushing, Right Heat Roller	1307	OAPD		All
PJDDJB0010Z	Bushing, Pressure Roller	1314	OAPD		All
PJDDJB0019Z	Bushing	1409	OAPD		All
PJDDJB0020Z	Bearing, U	1606	OAPD		All
PJDDJC0005Z	Holder, Spring	431			All
PJDDJC0030Z	Bushing	526			All
PJDDJC0031Z	Bushing	457			All
PJDDJC0032Z	Bushing	424			All
PJDDJC0067Z	Bearing	533			All
PJDDPB0001Z	Solenoid, Upper Exit Roller with Plunger	1210	OAPD		All
PJDDRA0051Z	Roller, Pinch	1805	OAPD		All
PJDDRB0014Z	Shaft, ADU Registration Roller	1509	OAPD		All
PJDDRB0017Z	Roller, Pinch	624	OAPD		All

Alphanumerical Parts List

Part Number	Part Name	Ref. No.	Supplier	PM	Destination
PJDRB0018Z	Roller, ADU Pinch	1503	OAPD		All
PJDRB0021Z	Roller, Registration	1403	OAPD		All
PJDRB0022Z	Roller, Paper Feed	1405	OAPD		All
PJDRB0025Z	Roller, Paper Feed	1816	OAPD		All
PJDRB0059Z	Roller, Sub	1009	OAPD		All
PJDRB0081Z	Roller, Bias Transfer	1603	OAPD	PM	All
PJDRB0091Z	Roller, Heat	1305	OAPD		All
PJDRB0092Z	Roller, Pressure	1316	OAPD		All
PJDRB0093Z	Roller, Cleaning	625	OAPD		All
PJDRC0004Z	Roller, Feed	419		PM	All
PJDRC0005Z	Roller, Pick Up	416		PM	All
PJDRC0006Z	Roller, Reverse Transfer	428			All
PJDRC0007Z	Roller, Separation	403		PM	All
PJDRC0009Z	Roller, Transfer 1	516			All
PJDRC0010Z	Roller, Transfer 2	517			All
PJDRC0035Z	Roller, Exit	539			All
PJDRC0062Z	Roller, Reverse Exit	503			All
PJDSB0008Z	Spring, Right OPC	1612	OAPD		All
PJDSB0009Y	Spring, OPC	1003	OAPD		All
PJDSB0010Z	Spring, Right Registration	1614	OAPD		All
PJDSB0015Z	Spring, Paper Jam Sensor Lever	1313	OAPD		All
PJDSB0016Z	Spring, Ratchet	1207	OAPD		All
PJDSB0017Z	Spring	1512	OAPD		All
PJDSB0018Z	Spring, Pinch Roller A	1317	OAPD		All
PJDSB0019Z	Spring	1010	OAPD		All
PJDSB0020Z	Spring, Stopper	1707	OAPD		All
PJDSB0024Z	Spring, Paper Tray Guide	1615	OAPD		All
PJDSB0026Z	Spring, Left OPC	1611	OAPD		All
PJDSB0033Z	Spring, Grid	1001	OAPD		All
PJDSB0034Z	Spring, Pinch Roller	622	OAPD		All
PJDSB0035Z	Spring, Registration	1517	OAPD		All
PJDSB0039Z	Spring, Gear Tension	813	OAPD		All
PJDSB0040Z	Spring, Transfer	1602	OAPD		All
PJDSB0041Z	Spring, Pinch Roller	1505	OAPD		All
PJDSB0043Z	Spring, Left Registration	1613	OAPD		All
PJDSB0112Z	Spring	635	OAPD		All
PJDSB0145Z	Spring, Cleaning Roller	623	OAPD		All
PJDSB0148Z	Spring, Charge	1002	OAPD		All
PJDSB0149Z	Spring, Developer	1004	OAPD		All
PJDSB0157Y	Spring, Friction	1907	OAPD		All
PJDSB0179Z	Spring, Retard Pad	1703	OAPD		All
PJDSB0190Z	Spring, Retard Pad	1905	OAPD		All
PJDSB0205Z	Spring, Pressure Roller	1315	OAPD		All
PJDSB0206Z	Spring, Separator	1323	OAPD		All
PJDSB0207Z	Spring, Pick Up Holder	1412	OAPD		All
PJDSB0208Z	Spring, Dust Scraper	1414	OAPD		All
PJDSB0210Y	Spring, Friction	1706	OAPD		All
PJDSB0211Z	Spring, Pick Up	815	OAPD		All
PJDVC0005Z	Belt, Paper Transfer Timing	325			All
PJDYC0002Z	Shaft, Reverse Transfer Roller 1	433			All
PJDYC0003Z	Shaft, Reverse Transfer Roller 2	434			All
PJDYC0005Z	Shaft, Reverse Exit Roller	504			All
PJDYC0009Z	Shaft, Pick Up	415			All

Alphanumerical Parts List					
Part Number	Part Name	Ref. No.	Supplier	PM	Destination
PJGAC0001Z	Window, LCD	103			AU, EB, Other
PJGAC0002Z					AV
PJGAC0003Z					AG
PJGAC0004Z					YV
PJGAC0005Z					AE
PJGEC0001Z	Sheet, White Base (For UF-7100/8100)	203			Except AU
PJGEC0002Z	Sheet, Paper Tray A (For UF-7000/8000)	1717			AU
PJGEC0003Z	Sheet, Paper Tray B (For UF-7000/8000)	1718			AU
PJGEC0004Z	Sheet, Paper Tray F (For UF-7000/8000)	1914			AU
PJGEC0005Z	Sheet, Paper Tray G (For UF-7000/8000)	1915			AU
PJGEC0006Z	Sheet, Paper Tray C (For UF-7000/8000)	1719			AU
PJGEC0007Z	Sheet, Paper Tray D (For UF-7000/8000)	1720			AU
PJGEC0008Z	Sheet, Paper Tray E (For UF-7000/8000)	1721			AU
PJGEC0009Z	Sheet, Paper Tray H (For UF-7000/8000)	1916			AU
PJGEC0010Z	Sheet, Paper Tray I (For UF-7000/8000)	1917			AU
PJGFC0006Z	Label, Cartridge Installation	636			All
PJGFC0011Z	Label, Max. Paper Level Indicator 1	1722			All
PJGFC0012Z	Label, Max. Level Indicator 2	1918			All
PJGFC0014Z	Label, Function (For UF-7000/8000)	337			AU
PJGFC0030Z	Label, SD Memory Card	637			All
PJGFC0099Z	Label, Function (For UF-7100/8100)	337			AM, AV, EH
PJGFC0100Z					AG, AM
PJGFC0105Z					Except AU, AG, AV, EE, EP, YV
PJGFC0106Z					YV
PJGFC0107Z	Label, Minimum Length (For UF-7000/8000)	338			AU
PJGFC0122Z	Label, Function (For UF-7100/8100)	337			EP
PJGFC0123Z					AM, EE
PJGFC0126Z	Label, Minimum Length (For UF-7100/8100)	338			Except AU, AG, AV, EE, EP, YV
PJGFC0127Z					AM, AV, EH
PJGFC0128Z					AG, AM
PJGFC0253Z					AM, EE
PJGFC0254Z					EP
PJGFC0255Z					YV
PJGPC0001Z	Cover, Panel (For UF-8000)	101			AU
PJGPC0002Z	Cover, Panel (For UF-8100)	201			EB, AL, AM
PJGPC0008Z	Cover, Panel (For UF-7000)	101			AU
PJGPC0010Z	Cover, Panel (For UF-7100)	201			EB, AL, AM
PJGPC0024Z	Cover, Panel (For UF-8100)				AV
PJGPC0025Z					AG
PJGPC0026Z	Cover, Panel (For UF-7100)				AV
PJGPC0027Z					AG
PJGPC0030Z	Cover, Panel (For UF-8100)				YV
PJGPC0031Z					AE
PJGPC0032Z	Cover, Panel (For UF-7100)				YV
PJGPC0033Z					AE
PJHE5065Z	Screw	1022	OAPD		All
PJHEC0015Z	Film	1620			All
PJHEC0017Z	Film, NFL 1	1106			All
PJHEC0018Z	Pad, ADF	401		PM	All
PJHEC0027Z	Film, NFL 2	1107			All
PJHEC0045Z	Film, NFL 3	835			All

Alphanumeric Parts List

Part Number	Part Name	Ref. No.	Supplier	PM	Destination
PJHEC0046Z	Film, FXB	834			All
PJHEC0047Z	Sheet, FXB 2	836			All
PJHEC0051Z	Film, SC	712			All
PJHEC0055Z	Film, SDR 1	1025			All
PJHEC0060Z	Film, Drive Gear Bracket	837			All
PJHG351Z	Plate, Rubber	1827	OAPD		All
PJHGC0004Z	Rubber, Separation Pad	1919			All
PJHGC0021Z	Sponge	303			All
PJHGC0022Z	Sponge 2	448			All
PJHR9224Z	Separator	1325	OAPD		All
PJHRA0316Z	Guard, Edge	817	OAPD		All
PJHRB0030Z	Tray, Paper Tray Extension	1710	OAPD		All
PJHRB0031Z	Guide, Right Paper Side	1704	OAPD		All
PJHRB0032Z	Guide, Left Paper Side	1705	OAPD		All
PJHRB0033Z	Knob, Paper Size	1711	OAPD		All
PJHRB0034Z	Stopper	1708	OAPD		All
PJHRB0036Z	Rack	1714	OAPD		All
PJHRB0037Z	Arm, Right Pressure	1608	OAPD		All
PJHRB0038Z	Arm, Left Pressure	1607	OAPD		All
PJHRB0045Z	Rack, Guide	618	OAPD		All
PJHRB0046Z	Gear, Paper Guide Pinion	619	OAPD		All
PJHRB0070Z	Wheel, Drive	1408	OAPD		All
PJHRB0075Z	Lever, Registration Sensor	1515	OAPD		All
PJHRB0076Z	Lever, Paper Detect Sensor	1516	OAPD		All
PJHRB0078Z	Bushing	1604	OAPD		All
PJHRB0079Z	Arm, Sensor	1822	OAPD		All
PJHRB0080Z	Guide, Right Front	1809	OAPD		All
PJHRB0081Z	Guide, Right Rear	1810	OAPD		All
PJHRB0082Z	Guide, Left Front	1807	OAPD		All
PJHRB0083Z	Guide, Left Rear	1808	OAPD		All
PJHRB0307Z	Indicator, Orange Paper Level	1712	OAPD		All
PJHRB0320Z	Lever, No Paper Sensor	1514	OAPD		All
PJHRB0324Z	Holder, Transfer Roller	1601	OAPD		All
PJHRB0327Z	Clamp	824	OAPD		All
PJHRB0338Z	Base, Paper Tray	1901	OAPD		All
PJHRB0339Z	Case, Paper Tray Extension	1904	OAPD		All
PJHRB0340Z	Guide, Right Paper Side	1902	OAPD		All
PJHRB0341Z	Guide, Left Paper Side	1903	OAPD		All
PJHRB0343Z	Cover, Lifter	1910	OAPD		All
PJHRB0344Z	Indicator, Orange Paper Level	1906	OAPD		All
PJHRB0445Z	Rib, Paper Chute	1813	OAPD		All
PJHRB0447Z	Guide, Paper	1911	OAPD		Except AU
PJHRB0476Z	Adapter, Retard	1716	OAPD		All
PJHRB0521Z	Bushing	1829	OAPD		All
PJHRB0635Z	Holder, Heat Roller	1321	OAPD		All
PJHRB0636Z	Base, Fuser Unit	1312	OAPD		All
PJHRB0638Z	Cover, Left Fuser	1324	OAPD		All
PJHRB0640Z	Adapter, Pick Up Holder	1413	OAPD		All
PJHRB0659Y	Guide, Exit Paper	1019			All
PJHRB0684Z	Sheet, Bracket	1839			All
PJHRB0701Z	Cushion, Leg (Not Used)	2305			All
PJHRC0006Z	Guide, Paper Front	306			All
PJHRC0007Z	Guide, Paper Rear	305			All

Alphanumerical Parts List					
Part Number	Part Name	Ref. No.	Supplier	PM	Destination
PJHRC0026Z	Holder, PCB	118			All
PJHRC0035Z	Sheet, White	536			All
PJHRC0036Z	Support, Right Paper	617			All
PJHRC0037Z	Support, Left Paper	616			All
PJHRC0055Z	Sheet, Paper Chute	1840			All
PJHRC0154Z	Sheet, Clutch Guide	1842			All
PJHRC0176Z	Plate, Spacer	1841			All
PJHRC0221Z	Lever, Paper Jam Sensor	1320			All
PJHSB0007Z	Pad, Friction	1702	OAPD		All
PJHSC0003Z	Gasket, 40mm	1018			All
PJHSC0004Z	Gasket, 5mm	1024			All
PJHSC0005Z	Gasket, 50mm (For UF-7000/8000)	1021			Except AU
PJHSC0006Z	Gasket, 85mm (For UF-8100)	714			Except AU
PJHXC0004Z	Cover, Fuser Harness	1023			All
PJJEC04002Z	Harness, Exit Sensor (Flat Harness)	2014	OAPD		All
PJJEC05002Z	Harness, Registration Detect Sensor (Flat Harness)	2013	OAPD		All
PJJEC10003Y	Harness, HVPS (Flat Harness)	2021	OAPD		All
PJJRB1025Y	Cable, Fuser	1319	OAPD		All
PJJRB1026Z	Harness, Exit Solenoid Relay	2023			All
PJJRB1028Z	Harness, Thermistor Relay	2024			All
PJJRC2228Z	Harness, PNL 1	2006			All
PJJRC2229Z	Harness, FXB	2010			All
PJJRC2230Z	Harness, Speaker	2011			All
PJJRC2234Z	Harness, Printer	2008			All
PJJRC2235Z	Harness, LVP	2012			All
PJJRC2236Z	Harness, TRSM	2107			All
PJJRC2237Z	Harness, ADF Motor	2109			All
PJJRC2238Z	Harness, AC Sensor	2111			All
PJJRC2239Z	Harness, B Door Sensor	2108			All
PJJRC2245Z	Harness, G3	2009			All
PJJRC2254Z	Harness, SC	2007			All
PJJRML0001Y	Harness, ECU Power	2110	OAPD		All
PJJRML0011Z	Harness, Low Toner Sensor	2017	OAPD		All
PJJRML0014Z	Harness, 2nd Paper Feed Module I/F Board	2019	OAPD		All
PJJRML0015Z	Harness, No Paper Sensor	2018	OAPD		All
PJJRML0019Z	Harness, LSU	2015	OAPD		All
PJJRML0020Z	Harness, Motor	2022	OAPD		All
PJJRML0021Y	Harness, Main Motor	2020	OAPD		All
PJJTC0002Z	Cable, Ground	826			All
PJJTCC014Z	Cable	1513	OAPD		All
PJJXC0036Z	Operating Instructions CD	2214			Except AE, YV
PJKCC0001Z	Cover, ADF	301			All
PJKEB0019Z	Cover, Front	1801	OAPD		All
PJKEB0097Z	Cover, Right	1802			All
PJKEB0098Z	Cover, Left	1803			All
PJKEB0114Z-1	Tray, Sub Paper	606			All
PJKEB0130Z	Cover, Rear Paper Tray	608			All
PJKEC0007Z	Base, Panel	102			All
PJKEC0008Z	Cover, Active Lamp	109			All
PJKEC0009Z	Cover, Front	615			All
PJKKC0001Z	Holder, Battery	110			All
PJKMC0001Z	Cover, Front 2	614			All

Alphanumeric Parts List

Part Number	Part Name	Ref. No.	Supplier	PM	Destination
PJKMC0002Z	Cover, Rear 2	607			All
PJKMC0003Z	Cover, Right	613			All
PJKMC0004Z	Cover, Left	612			All
PJKMC0005Z	Cover, Inner Top	601			All
PJKMC0006Z	Cover, SD Memory Card	610			All
PJKMC0007Z	Cover, Inner Right	605			All
PJKMC0008Z	Cover, Inner Left	602			All
PJKMC0009Z	Cover, Inner Rear	603			All
PJKMC0010Z	Cover, Lower Right Rear	611			All
PJKNC0003Z	Frame, ADF	313			All
PJKNC0004Z	Tray	308			All
PJKNC0008Z	Cover, Tray	309			All
PJKPC0002Z	Cover, Rear	409			All
PJKPC0007Z	Cover, Directory Sheet (For UF-7100/8100)	202			EB, AE
PJKPC0008Z	Cover, Rear	609			All
PJKPC0032Z	Sponge, Speaker	638			All
PJKPC0038Z	Cover, Directory Sheet (For UF-7100/8100)	202			AV
PJKPC0039Z					AG
PJKZC0001Z	Cover, Upper Left	329			All
PJKZC0034Z	Assembly, Tray Cover	643			All
PJMCCB0068Z	Plate, Ground 2	1617	OAPD		All
PJMCCB0070Z	Plate, Ground 1	1616	OAPD		All
PJMCC0002Z	Bracket, SC	707			All
PJMCC0003Z	Cover, SC	706			All
PJMCC0004Z	Cover, Fax (For UF-8000/8100)	705			All
PJMCC0005Z	Plate, Interface	702			All
PJMCC0006Z	Cover, LVPS	1017			All
PJMCC0007Z	Plate, Joint	1103			All
PJMCC0008Z	Case, G3 Option (For UF-8000/8100)	704			All
PJMCC0009Z	Bracket, SDR	1015			All
PJMCC0010Z	Bracket, Ground (Earth)	1104			All
PJMCC0011Z	Cover, SDR	1016			All
PJMDB0018Z	Plate, Lead Wire	1303	OAPD		All
PJMDB0019Y	Ground, Fuser	1318	OAPD		All
PJMDB0020Z	Plate, ADU Pinch Roller	1502	OAPD		All
PJMDB0026Y	Lifter, Paper	1701	OAPD		All
PJMDB0036Y	Frame, Chassis	1826	OAPD		All
PJMDB0037Z	Bracket, Gear	1821	OAPD		All
PJMDB0155Y	Lifter, Paper	1909	OAPD		All
PJMDB0156Z	Clamp	713	OAPD		All
PJMDB0190Z	Plate, Corner	1828	OAPD		All
PJMDB0253Z	Plate, Separator	1322	OAPD		All
PJMDB0256Z	Bracket, Joint	1838			All
PJMDB0257Y	Plate, Lead Wire	1310	OAPD		All
PJMEC0033Z	Guide, ADF Harness	831			All
PJMEC0044Z	Holder, Harness	1102			All
PJNAC0003Z	Screw	W7			All
PJNAC0012Z	Screw, Shoulder	456			All
PJNEB0003Y	Screw	U7	OAPD		All
PJNEB0008Z	Screw	1007	OAPD		All
PJNW317Z	Poly Slider	1506	OAPD		All
PJNW4111Z	Spacer	449	OAPD		All
PJNW525Z	Spacer	811	OAPD		All

Alphanumerical Parts List					
Part Number	Part Name	Ref. No.	Supplier	PM	Destination
PJNW620Z	Washer	906	OAPD		All
PJNW721Z	Poly Slider	1208	OAPD		All
PJNW820Z	Washer, Plastic	1417	OAPD		All
PJPCC0001Z	Box, Accessories	2217			All
PJPEC0003Z	Pad, Top	2201			All
PJPEC0016Z	Pad, Bottom	2208			All
PJPGB0230Y	Carton Box	2301			Except AU, YV
PJPGB0230Z					AU, YV
PJPGC0002Z	Box, Carton (For UF-8000)	2202			AU
PJPGC0032Z	Box, Carton (For UF-7000)				
PJPGC0041Z	Box, Bottom	2209			All
PJPGC0061Z	Box, Carton (For UF-8100)	2202			Except AU, YV
PJPGC0062Z	Box, Carton (For UF-7100)				
PJPGC0131Z	Box, Carton (For UF-8100)				YV
PJPGC0132Z	Box, Carton (For UF-7100)				
PJPNB0082Z	Cushion, Inner	2304	OAPD		All
PJPNB0154Z	Cushion, Front	2302			All
PJPNB0155Z	Cushion, Rear	2303			All
PJPQC0002Z	Cushion, Top Right	2204			All
PJPQC0003Z	Cushion, Top Left	2205			All
PJPQC0004Z	Cushion, Bottom Right	2206			All
PJPQC0005Z	Cushion, Bottom Left	2207			All
PJQHC0060Z	Label, G3 Line (For UF-8000/8100)	642			All
PJQMB0132Z	Installation Instructions	2306			All
PJQMC0081Z	Operating Instructions	2218			YV
PJQMC0083Z					AE
PJQMC0102Z	Operating Instructions	2603			YV
PJQMC0104Z					AE
PJQQC0012Z	Quick Guide	2216			AU
PJQQC0013Z					AG, AL, AV, EB
PJQQC0017Z	Quick Guide	2602			AU
PJQQC0018Z					AG, AL, AV, EB
PJQQC0019Z					ER
PJQQC0020Z					YC
PJQRC0027Z	Installation Instructions	2401			All
PJQRC0028Z	Installation Instructions	2601			All
PJQRC0029Z	Installation Instructions	2501			All
PJQRC0031Z	Important Notice	2219			All
PJQTB0006Z	Label, Hot Surface Caution	640			All
PJQTB0263Z	Sheet, HVPS Insulation	1020			All
PJQTC0005Z	Holder, Directory Sheet	2215			AU
PJRAC0004Z	Film, SDR 2	1026			All
PJSCC0007Z	Brush, Antistatic	332			All
PJUAB0005Y	Plate, ADU Registration Roller	1508	OAPD		All
PJUAB0007Z	Chassis, Right	1824	OAPD		All
PJUAB0008Z	Chassis, Left	1825	OAPD		All
PJUAB0024Y	Plate, Lower Base	1501	OAPD		All
PJUAB0037Z	Chassis, Upper	1619			All
PJUAC0003Z	Stay, Front	829			All
PJUAC0004Z	Stay, Rear	1011			All
PJUAC0005Z	Stay, Right Side	830			All
PJUAC0006Z	Stay, Left Side	1012			All
PJUAC0007Z	Bracket, Right Side	832			All

Alphanumeric Parts List

Part Number	Part Name	Ref. No.	Supplier	PM	Destination
PJUAC0008Z	Bracket, Left Side	1101			All
PJUAC0009Z	Supporter, Side	708			All
PJUAC0010Z	Supporter, Front Left Side	1014			All
PJUAC0011Z	Bracket, Front ADF	1013			All
PJUAC0012Z	Bracket, Rear ADF	833			All
PJUAC0013Z	Bracket, ADF Tray	701			All
PJUAC0065Z	Frame, Front Side	427			All
PJUAC0066Z	Frame, Rear Side	423			All
PJUAC0068Z	Plate, Rear	513			All
PJUAC0109Z	Plate, Front	521			All
PJUDC0005Z	Holder, Front Shaft	519			All
PJUDC0006Z	Holder, Rear Shaft	515			All
PJUEC0001Z	Bracket, Support 1	709			All
PJUEC0002Z	Bracket, Support 2	710			All
PJUEC0005Z	Stay, Open Close	318			All
PJUEC0006Z	Stay, Open Close 2	438			All
PJUEC0007Z	Bracket, Guide Cover Rear	317			All
PJUEC0008Z	Lever, Front Lock	518			All
PJUEC0009Z	Lever, Rear Lock	510			All
PJUEC0010Z	Stay 1	506			All
PJUEC0011Z	Stay 2	501			All
PJUEC0012Z	Stay 3	524			All
PJUEC0055Z	Holder, Plate	531			All
PJUEC0130Z	Stopper, Tray	641			All
PJUEC0134Z	Holder, CIS Core	1027			All
PJUEC0144Z	Sponge 3	461			All
PJUGC0008Z	Shaft, Separation Fulcrum	404			All
PJUIC0008Z	Bracket, Guide Cover Front	319			All
PJUIC0009Z	Bracket, Separation Roller	405			All
PJUIC0010Z	Bracket, Open Close Sensor	529			All
PJUIC0013Z	Bracket, Paper Transfer Motor	321			All
PJUIC0067Z	Bracket, Pick Up	414			All
PJUIC0068Z	Plate, Holding	512			All
PJUIC0069Z	Bracket, Tension Roller	328			All
PJUIC0119Z	Guide, Reading	520			All
PJUIC0234Z	Bracket, Tray	537			All
PJUKC0006Z	Guide, Paper	426			All
PJUKC0008Z	Guide, Upper Paper	302			All
PJUKC0009Z	Plate, Separation Guide	408			All
PJUKC0010Z	Cover, Separation Roller	402			All
PJUKC0011Z	Guide, Paper Transfer	522			All
PJUKC0012Z	Guide, Paper	514			All
PJUKC0013Z	Guide, Paper Exit	502			All
PJUKC0050Z	Film, Protection 1	459			All
PJUKC0050Z	Sheet, Protection	711			All
PJUKC0075Z	Plate, Rail	1622			All
PJUKC0076Z	Guide, Paper	452			All
PJULC0022Z	Bracket, R	1837			All
PJULC0023Z	Bracket, L	1836			All
PJUQC0005Z	Film, Protection 2	460			All
PJURC0029Z	Plate, Guard	1621			All
PJUSB0008Z	Plate, Transfer Bias Roller	1610	OAPD		All
PJUSB0011Y	Plate, Ground	1609	OAPD		All

Alphanumerical Parts List					
Part Number	Part Name	Ref. No.	Supplier	PM	Destination
PJUSB0025Z	Spring, Ground	816	OAPD		All
PJUSB0027Z	Plate, Pinch Roller	1804	OAPD		All
PJUSB0080Z	Spring, Ground	1811	OAPD		All
PJUSB0089Z	Spring, Side Guide	1908	OAPD		All
PJWACC00004Z	Software CD	2212			AU
PJWACC00008Z					Except AU
PJWACC00014Z	Software CD	2402			AU
PJWACC00015Z					Except AU
PJWDF2680AZ	LCD Module	123			All
PJWEP7305M	LSU	1214	OAPD		All
PJWLPMF3M	Cable, I/F	2112	OAPD		All
PJWMP7100M	Assembly, Registration Solenoid	822	OAPD		All
PJWMP7305M	Assembly, Pick Up Solenoid	1420	OAPD		All
PJWMPMF3M	Clutch	1834	OAPD		All
PJWP2P7100M1	PC Board, Paper Exit/ADU Paper Jam Sensor (RTL, PbF)	2030	OAPD		All
PJWP2P7105M1	PC Board, No Paper Sensor (RTL, PbF)	2028	OAPD		All
PJWP2P7305M	PC Board, Registration/Paper Detect Sensor (RTL, PbF)	2031	OAPD		All
PJWP3P7105M1	PC Board, 2nd Paper Feed Module I/F	2029	OAPD		All
PJWPF2680AE	PC Board, PNL 1	2102			All
PJWPF2681AU	PC Board, PNL 2	2105			All
PJWPF2682AU	PC Board, PNL 3	2104			All
PJWPF2683AU	PC Board, PNL 4	2106			All
PJWPF2684AU	PC Board, SDR	2101			All
PJWPF2685AU	PC Board, FXB	2005			AU
PJWPF2685EB					AL, EB
PJWPF2685YC					Exsept AU, AL, EB
PJWPF2686AU	PC Board, G3 (For UF-8000)	2003			AU
PJWPF2686YZ	PC Board, G3 (For UF-8100)				Except AU
PJWPF2687AE	PC Board, SC (For UF-8100)	2001			AE
PJWPF2687AG					AG
PJWPF2687AU	PC Board, SC (For UF-8000)				AU
PJWPF2687AV	PC Board, SC (For UF-8100)				AV
PJWPF2687EB					AL, EB, ES
PJWPF2687EP					AM, EE, EH, EP
PJWPF2687ER					ER
PJWPF2687YC					YC
PJWPF2687YV					YV
PJWPF2688AE	PC Board, SC (For UF-7100)				AE
PJWPF2688AG					AG
PJWPF2688AU	PC Board, SC (For UF-7000)				AU
PJWPF2688AV	PC Board, SC (For UF-7100)				AV
PJWPF2688EB					AL, EB, ES
PJWPF2688EP					AM, EE, EH, EP
PJWPF2688ER					ER
PJWPF2688YC					YC
PJWPF2688YV					YV
PJWPPMF3M2	PC Board, 2nd Feeder	2103	OAPD		All
PJWPUF9KEM	PC Board, Engine Control	2002			All
PJWQPMF3M	Motor	1835	OAPD		All

Alphanumeric Parts List

Part Number	Part Name	Ref. No.	Supplier	PM	Destination
PJWS00GW0MQ	Assembly, Inlet	1105			AU, AE
PJWS00GW1MQ					Except AU, AE
PJWS2P7100M	Switch, OPC Drum Unit Interlock	1213	OAPD		All
PJWSP7105M	Switch, Front Door Safety Interlock	1212	OAPD		All
PJWUF2680AU	CIS (For UF-8000/8100)	440			All
PJWUF2681AU	CIS (For UF-7000/7100)				All
PJWWF2680AZ	Harness, PNL1-PNL2 B	2115			All
PJWWF2681AZ	Harness, PNL1-PNL2 A	2114			All
PJWWF2682AZ	Harness, PNL1-PNL3	2113			All
PJYFPMF3M	Assembly, Top Cover	1830	OAPD		All
PJYK4P7305M	Assembly, Pinch Roller Holder	621	OAPD		All
PJYKF2300AU	Cover, Rear	633			All
PJYMP7305M	Assembly, Paper Tray Base	1709	OAPD		All
PJZBP7305M	Assembly, Upper Exit Roller Holder	1201	OAPD		All
PJZBPMF3M	Assembly, Paper Chute	1831	OAPD		All
PJZC1P7100M	Assembly, Upper Exit Roller Holder Cover	1209	OAPD		All
PJZC1P7305M	Assembly, Dust Scraper Cover	1415	OAPD		All
PJZC2P7100M	Bracket, Gear Support	821	OAPD		All
PJZC3P7100M	Assembly, Side Fuser Cover	1326	OAPD		All
PJZCP7305M	Assembly, Paper Chute	1618	OAPD		All
PJZE1P7100M	Assembly, Pick Up Lever	1419	OAPD		All
PJZEF2300AU	Pad, Separation	1715		PM	All
PJZEF2301AU	Pad, Separation	1912		PM	All
PJZEF2302AU	Assembly, Paper Size Knob	1913			All
PJZEP7305M	Guide, Sub. Paper	1418	OAPD		All
PJZFF2680MQ	Assembly, Paper Feed Roller Shaft	441			All
PJZFF2681MQ	Assembly, Separation Roller Shaft	442			All
PJZHP7100M	Assembly, Drive Gear Bracket	908	OAPD		All
PJZHP7105M	Bracket, Fuser Drive Gear	823	OAPD		All
PJZHP7305M	Bracket, Motor	909	OAPD		All
PJZR1P7305M	Roller, Pick Up	1416	OAPD	PM	All
PJZR2P7305M	Assembly, Upper Exit Roller	1211	OAPD		All
PJZR3P7100M	Assembly, Lower Exit Roller	1327	OAPD		All
PJZRP7305M	Assembly, Cleaning Roller	1328	OAPD		All
PJZRPMF3M	Roller, Pick Up	1833	OAPD	PM	All
PJZSF2300AU	Assembly, Fuser Unit	1330			AU, AE
PJZSF2300EB					Except AU, AE
PJZUP7100M	Pan, Jam Release	1518	OAPD		All
PJZUPMF3M	Assembly, Paper Guide	1832	OAPD		All
RBWS-1N	Clamp	1028			All
RBWS-3N	Clamp	716			All
RLMC-05T-V0	Clamp	1031			All
STW6X1	Poly Slider	334			All
TDS-SY5-25M	Solenoid, Stamp	454			All
UAMS-05-2	Clamp	336			All
XPL2A10WVW	Pin	1823	OAPD		All
XSN3+4	Screw	U9			All
XTB2+12J	Screw	W4	OAPD		All
XTB26+6JFJ	Screw	Y17			All
XTB3+8GFJ	Screw	X8			All
XTB3+8J	Screw	19			All
XTB3+8JFN	Screw	V6	OAPD		All
XTB4+8FFJ	Screw	Y15			All

Alphanumeric Parts List					
Part Number	Part Name	Ref. No.	Supplier	PM	Destination
XTW26+8S	Screw	T8	OAPD		All
XTW3+12S	Screw	U4	OAPD		All
XTW3+12SFZ	Screw	U5	OAPD		All
XTW3+6L	Screw	U1			All
XTW3+6LFJ	Screw	Y3			All
XTW3+6S	Screw	V2			All
XTW3+8L	Screw	P3			All
XTW3+8LFJ	Screw	Y13			All
XTW3+8S	Screw	T9	OAPD		All
XTW3+8SFJ	Screw	Y14			All
XTW3+U8S	Screw	U8	OAPD		All
XUC4VW-V	E-Ring	U6	OAPD		All
XUC7VM	E-Ring	J8			All
XWC3B	Washer, Star	G8			All
XWE4	Washer	V3			All
XWG3FU	Washer	Y12			All
XYC3+FF6	Screw	V1	OAPD		All
XYC3+FF8C	Screw	U3	OAPD		All
XYN3+F5	Screw	3F			All
XYN3+F6FJ	Screw	Y16			All
XYN4+F8FJ	Screw	Y9			All

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