Issued by Canon Europa N.V.

Model:	**Ref No.:**
iR3530 **iR2230**	iR4570-008 (F1-T01-0M4-10018-01)
	Date:
	28-01-05

Subject:

Introducing a new model (iR2230/3530)

Background:

With introduction of the new model iR2230/3530, differences from the existing model iR2270/3570 are informed in this bulletin.

Detail:

1. Differences

1-1. System Configuration

1-1-1. System Configuration of the Delivery Options

The options that have been deleted:

- Finisher-Q3/Saddle Finisher-Q4
- Buffer Pass-E1
- Puncher Unit-L1/N1/P1

Others

- 3 Way Unit-A1 has been changed from standard equipment to an option (iR3530).

1-1-2. System Configuration of the Pickup Options

The option that has been deleted:

- Paper Deck-Q1

1-1-3. System Configuration of the Print/Transmission Options

The options that have been added:

- UFR II Printer Kit-E3: To add the BDL function by the combination of the P Boot ROM and the HDD.
- Multi-PDL Printer Kit-E1: To add the UFR II/PCL/PS print function using the N Boot ROM.
- iR System Expansion Kit-A1: To add the HDD to iR2230/3530.
- Printer Kit-E2: To add the BDL/PCL function using the H Boot ROM.

The options that have been deleted:

- LIPS LX Printer&Scanner Kit-A1 (P Boot ROM)
- LIPS V Expansion Kit-A1 (License)
- Direct Print Expansion Kit-A1 (License)
- iR 256MB Expansion RAM-B1
- Multi FAX Board-D1

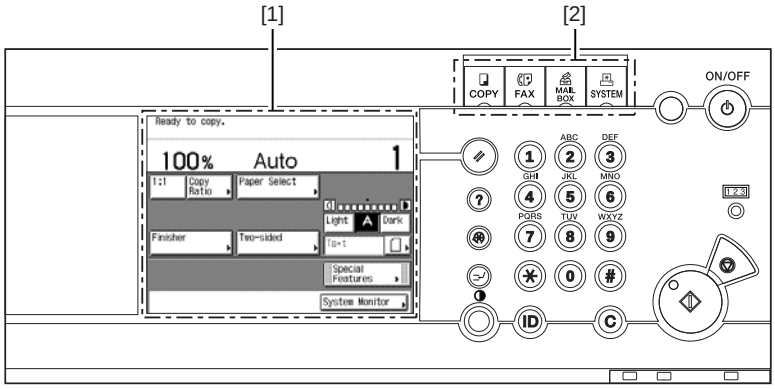
- Send Expansion Kit-E1 (License)
- PDF Creation Function Expansion Kit-B1 (License)

1-2. External View/Operation

Change of the control panel unit

[1] The LCD has become smaller and black-and-white.

[2] The function keys have become hard keys.



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1-3. User Mode

Compared with iR2270/3570, the following service modes have been deleted.

	iR4570/3570, 2870/2270		iR2230/3530	
Mode-1	**Mode-2**	**Description**	**Mode-2**	**Description**
Common settings	select special tray** (w/ finisher)	- w/ Fisher-Q3/Q4 tray A: finisher output tray (upper) tray B: finisher output tray (lower) tray C: host middle tray tray A: D14*copy/*Box/ printer/receive/fax/other tray B: copy/Box/*printer/ receive/fax/other tray C: copy/Box/printer/ receive/*fax/*other fine tune for receive/fax tray A: fax/fax 1/fax 2 tray B: receive/fax 1/fax 2 tray C: *receive/*fax 1/ *fax 2	deleted	deleted
Adjust-ments and Cleaning	center bind staple edging** (w/ saddle finisher)	Start key	deleted	deleted
	center bind position change** (w/ saddle finisher)	size: A3,11x17/B4/LGL/ A4R,LTRR position: -2.0 mm to +2.0 mm (in 0.35-mm increments)/*0 mm	deleted	deleted

1-4. HDD

The HDD has become an option.

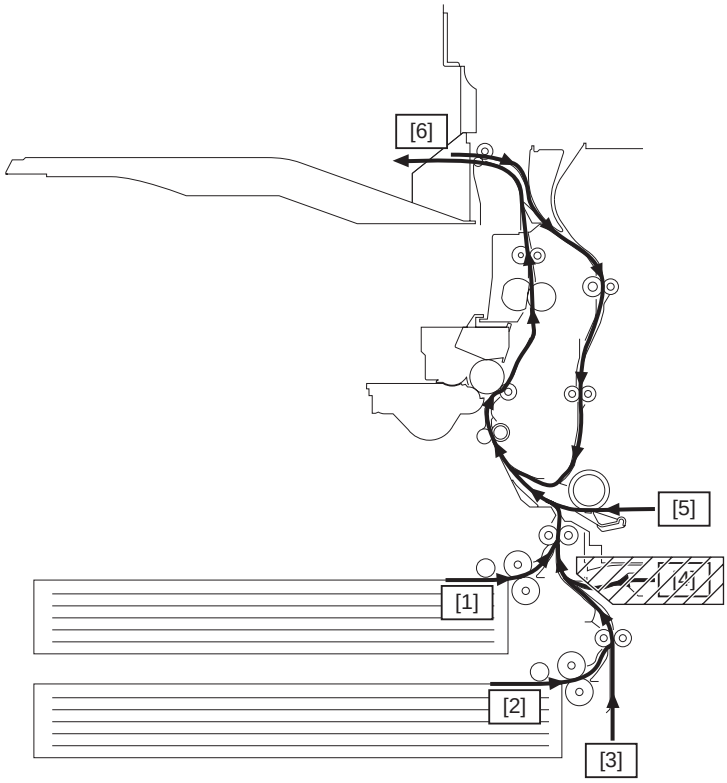
1-5. Shutdown Sequence

If the HDD of standard equipment is not mounted, the shutdown sequence is not performed at power-off. However, if the optional HDD is mounted, the shutdown sequence same as that of iR2270/3570 (i.e., the machine equipped with the HDD as standard equipment) is performed, and then the power is turned off.

1-6. Paper Pickup/Feeding System

The Paper Deck-Q1 has been deleted from options. With this change, the paper pickup areas from the paper deck are eliminated from the paper path illustrations.

The eliminated areas are shown below.



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[1] Pickup from the Cassette 1

[2] Pickup from the Cassette 2

[3] Pickup from the Cassette Feeding Unit (option)

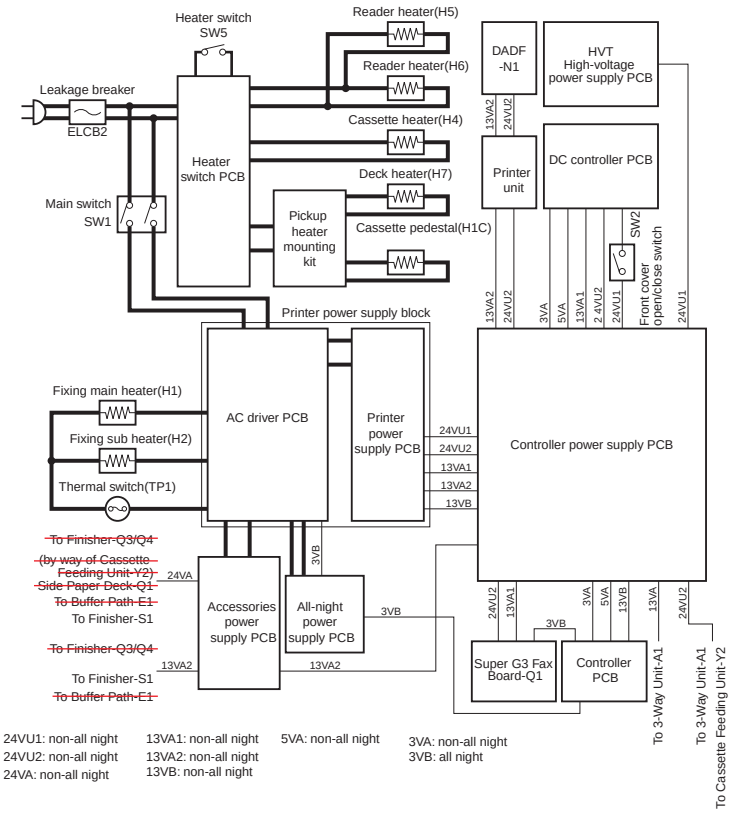
[4] Pickup from the Paper Deck **(delete)**

[5] Pickup from the Manual Tray

[6] Deliver to the Copy Tray 1

1-7. Function, Power Supply

Some pickup/delivery options have been deleted. With this change, the names of options to which power is supplied are eliminated from the power supply illustration on the Service Manual.



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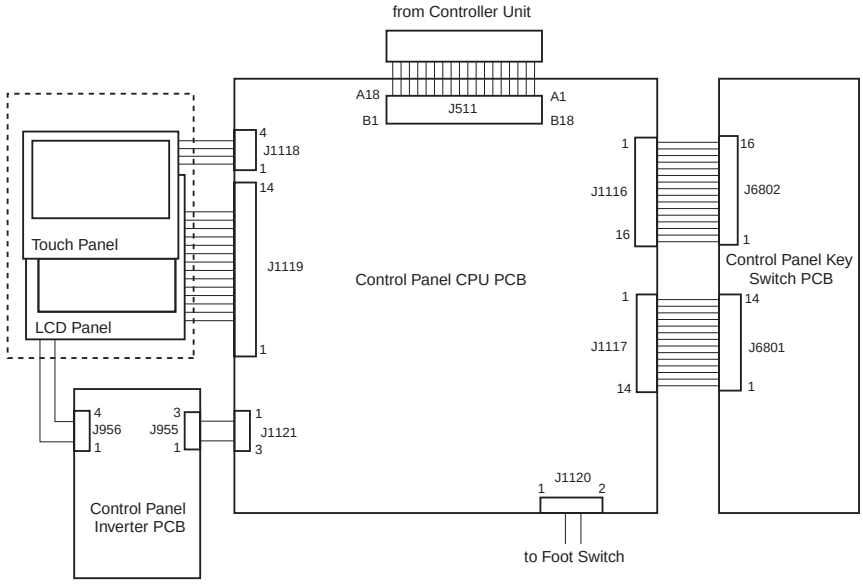
1-8. Control Panel Unit

1-8-1. Block Diagram

As mentioned above, the LCD has become black-and-white, and the hard keys have been added. Therefore, the board connection in the control panel unit is changed. The changed blocks are shown below.



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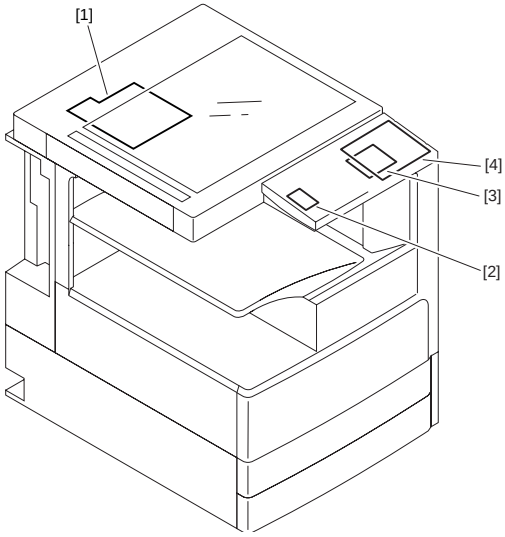
1-8-2. Electrical Parts Layout

The electrical parts related to the control panel unit are placed as shown below. The parts [2] to [4] are related to the control panel unit.

No.	Name	Part No.	Detail
[1]	Reader Controller PCB	FG3-3765	Control the reader unit/ADF
[2]	Control Panel Inverter PCB	FM2-2753	Control to turn ON the backlight of the LCD
[3]	Control Panel CPU PCB	FM2-2754	Control the control panel unit
[4]	Control Panel Key PCB	FG6-8939	Control numeric keys entry information



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1-9. Parts Replacement Procedure

1-9-1. Control Panel Unit

With change of the control panel unit, replacement procedures of the following parts related to the control panel unit have been prepared newly.

- Removing the control panel unit
- Removing the control panel frame
- Removing the control panel inverter PCB
- Removing the control panel key switch PCB
- Removing the control panel CPU PCB
- Removing the control panel LCD PCB

The procedure for removing the control panel bottom cover is not changed.

The following are the new replacement procedures.

1-9-1-1. Removing the control panel unit

1) Open the right door [1].

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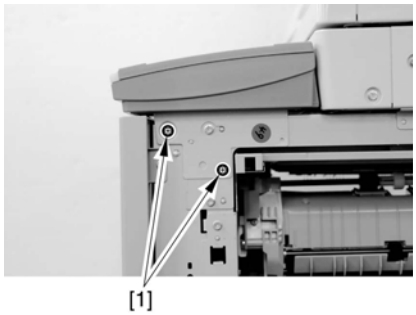
2) Remove the 2 screws [1].



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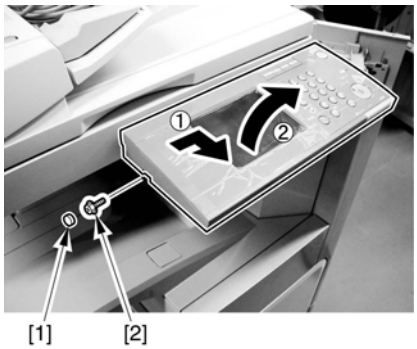
3) Remove the rubber cap [1], and detach the screw [2].
4) Slide the control panel unit to the arrow direction.



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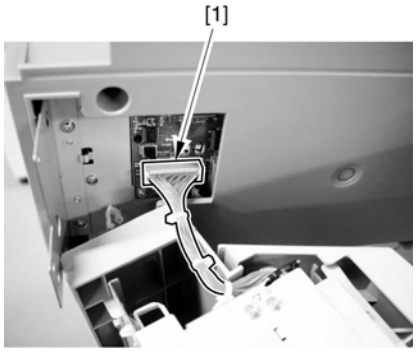
5) Disconnect the connector [1], and remove the control panel unit.



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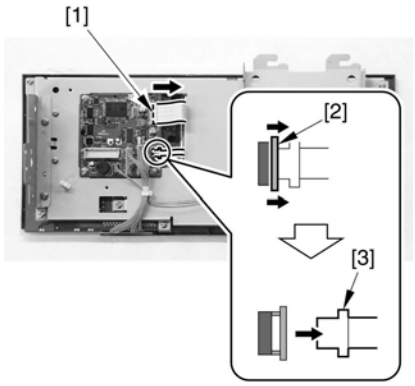
1-9-1-2. Removing the control panel frame

1) Disconnect the flat cable [1] to the arrow direction.

2) Move the connector 2 stoppers [2] to the arrow direction, and disconnect the 2 flat cables [3].



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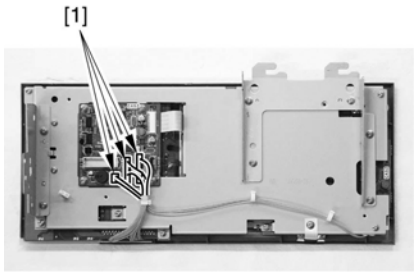
3) Disconnect the 3 connectors [1].



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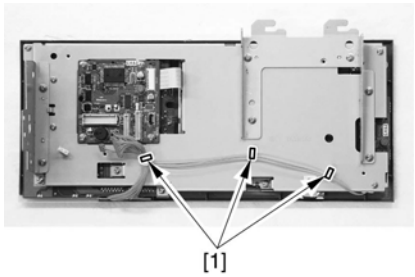
4) Detach the harness from the 3 clamps [1].



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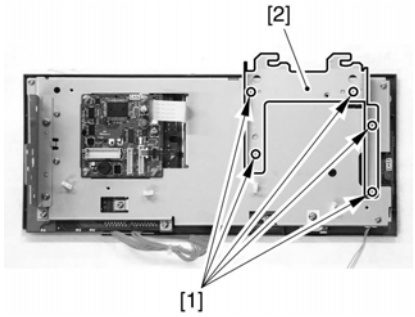
5) Remove the 5 screws [1], and detach the control panel hook [2].



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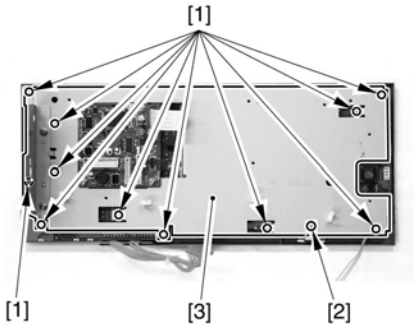
6) Remove the 11 self-tapping screws [1] and the flat screw [2], and detach the control panel frame [3].



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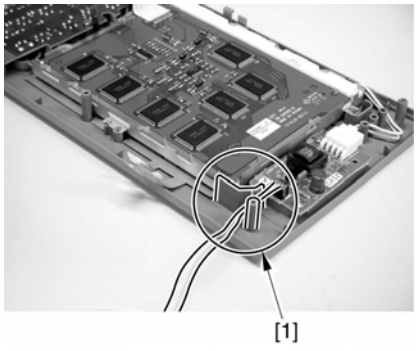
⚠Points to note on the cable when attaching the control panel frame.

1. Make sure that the inverter cable properly passes the path [1] indicated on the figure below.



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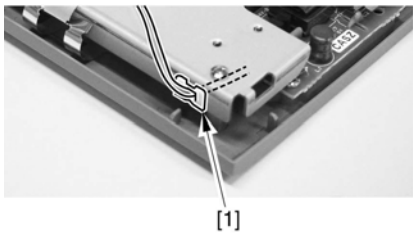
2. Be sure to pass the inverter cable to the cable clip [1] after attaching the control panel frame.



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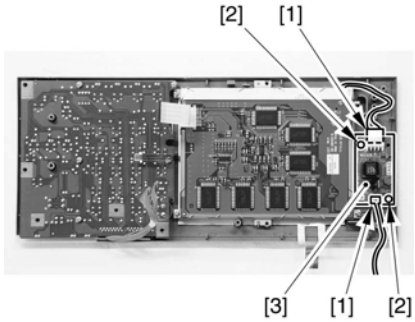
1-9-1-3. Removing the control panel inverter PCB

1) Disconnect the 2 connectors [1].

2) Remove the 2 self-tapping screws [2], and detach the control panel inverter PCB [3].



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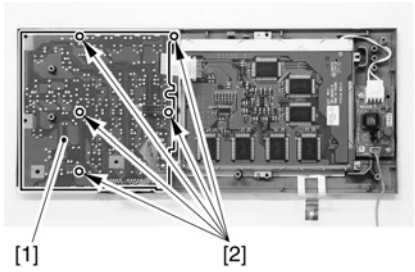
1-9-1-4. Removing the control panel key switch PCB

1) Remove the 5 self-tapping screws [1], and detach the control panel key switch PCB [2].



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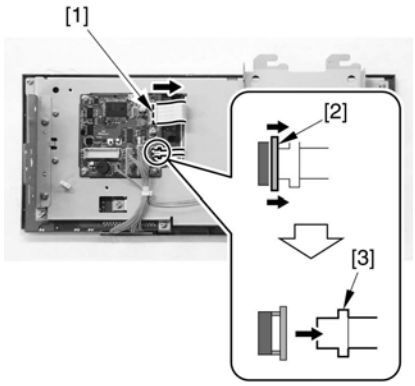
1-9-1-5. Removing the control panel CPU PCB

1) Disconnect the flat cable [1] to the arrow direction.

2) Move the connector 2 stoppers [2] to the arrow direction, and disconnect the 2 flat cables [3].



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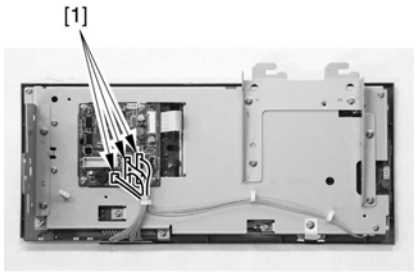
3) Disconnect the 3 connectors [1].



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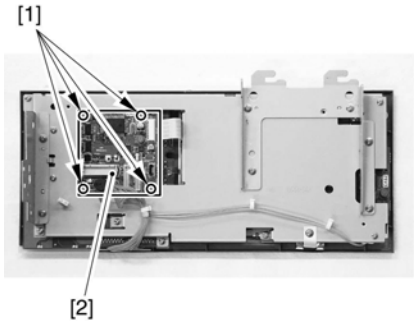
4) Remove the 4 screws [1], and detach the control panel CPU PCB [2].



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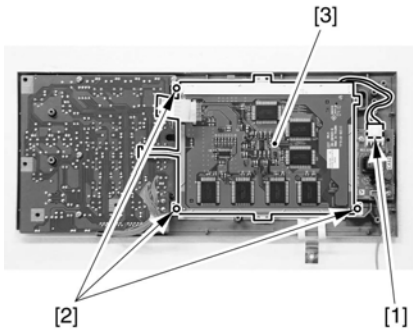
1-9-1-6. Removing the control panel LCD PCB

1) Disconnect the connector [1] from the control panel inverter PCB.
2) Remove the 3 self-tapping screws [2], and detach the control panel LCD PCB [3].



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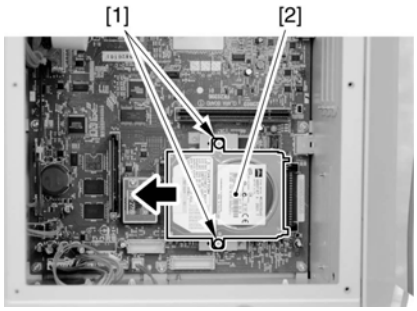
1-9-2. Removing the HDD

The replacement procedure of the optional HDD is same as that of the HDD mounted on the existing machines as standard equipment. On the Service Manual, "Option" is added to the title.

Removing the HDD (option)

1) Remove the 2 screws [1], and detach the HDD [2] to the arrow direction.



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1-10. Error Code

In keeping with the exclusion of the Finisher Q3, Saddle Finisher Q4, and Puncher Unit L1/N1/P1 from the options, the error codes related to the above have been deleted from the list.

Deleted error codes are described below.

Some of the error codes apply to the Finisher S1 and Puncher Unit Q1/S1/T1, therefore, applicable error codes will be displayed when any of the options is installed.

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E500	0001	Communication error between the finisher and the machine		Replace the finisher controller PCB. Check the cable. Replace the DC controller PCB.
E503	0002	Communication error within the finisher	An error occurs in the communication between the finisher and the saddle unit	Replace the finisher controller PCB. Replace the saddle controller PCB. Check the cable.
	0003		An error occurs in the communication between the finisher and the punch unit	Replace the finisher controller PCB. Replace the punch driver PCB. Check the cable.
E505	0001	Back-up memory error in the finisher	An error occurs in the data stored in the backup memory.	Turn off the main power, check the wiring of the DC controller PCB/the finisher PCB, check the fuse of 24-V, and turn on the main power.
	0002		The EEPROM data on the punch unit is faulty.	Replace the punch driver PCB. Replace the finisher controller PCB.

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E514	0001	The trailing edge assist motor failure	The home position sensor does not turn off when the trailing edge assist motor has rotated for a specific period of time.	Replace the finisher controller PCB. Replace the trailing edge assist motor.
	0002		The home position sensor does not turn on when the trailing edge assist motor has rotated for a specific period of time	
E519	0001	The gear change motor error	The home position sensor does not turn off when the gear change motor has rotated for a specific period of time.	Replace the finisher controller PCB. Replace the gear change motor. Check the gear change mechanism.
	0002		The home position sensor does not turn on when the gear change motor has rotated for a specific period of time.	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E530	0001	The front jog motor error	The home position sensor does not turn off when the front jog motor has rotated for a specific period of time.	Replace the finisher controller PCB. Replace the front job motor. Check the front jog motor drive. Check the front jog H.P. sensor.
	0002		The home position sensor does not turn on when the front job motor has rotated for a specific period of time.	
E531	0001	The stapler error	The home position sensor does not turn off when the stapler motor has rotated for a specific period of time.	Replace the finisher controller PCB. Replace the stapler. Check the cable.
	0002		The home position sensor does not turn on when the stapler motor has rotated for a specific period of time.	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E532	0001	The stapler shift motor error	The home position sensor does not turn off when the stapler shift motor has rotated for a specific period of time.	Replace the finisher controller PCB. Replace the stapler shift motor. Check the stapler shift H.P. sensor. Check the cable.
	0002		The home position sensor does not turn on when the stapler shift motor has rotated for a specific period of time.	
E535	0001	The swing cam error	The home position sensor does not turn off when the swing motor has rotated for a specific period of time.	Replace the finisher controller PCB. Replace the swing cam motor. Check the swing cam H.P. sensor. Check the cable.
	0002		The home position sensor does not turn on when the swing motor has rotated for a specific period of time.	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E537	0001	The rear jog error	When the rear jog plate is moved to the home position, the home position sensor does not turn on when the rear jog plate has started to move or within 2000 ms.	Replace the finisher controller PCB. Replace the rear jog motor. Check the rear jog drive mechanism. Check the rear jog H.P. sensor.
	0002		When the rear jog plate is moved from the home position, the home position sensor does not turn off within 1000 ms after the rear jog plate has started move.	
E540	0002	The upper tray lifter motor error	The upper tray lifter motor clock is faulty.	Replace the tray shift motor 1. Replace the finisher controller PCB. Check the tray lifter drive mechanism.
	0003		An error occurs in the tray shift area.	Replace the PCB on the tray shift area sensor 1. Replace the finisher controller PCB.
	0004		The safety switch turns on.	Check the tray closed detecting switch 1. Replace the finisher controller PCB.

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E542	0002	The lower tray lifter motor error	The lower tray lifter motor is faulty.	Replace the tray shift motor 2. Replace the finisher controller PCB. Check the tray lifter mechanism.
	0003		An error occurs in the tray shift area.	Replace the PCB on the tray shift area sensor 2. Replace the finisher controller PCB.
E584	0001	The shutter unit error	The shutter open detecting sensor does not turn off (the shutter does not close).	Check the stack ejection motor. Check the shutter open/closed clutch. Check the shutter H.P. sensor. Replace the finisher controller PCB.
	0002		The shutter open detecting sensor does not turn on (the shutter does not open).	
E590	0001	The punch motor error	The punch home position sensor cannot be detected when the punch motor has been driven for 200 ms.	Check the punch motor. Check the punch motor clock sensor. Check the punch driver PCB. Replace the finisher controller PCB.
	0002		The puncher can not detect the punch home position sensor when the punch motor stops at the initial operation.	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E591	0001	The punch dust sensor error	The voltage of receiving light is faulty when the light has been emitted.	Check the paper dust sensor. Check the punch driver PCB. Replace the finisher controller PCB.
	0002		The voltage of receiving light is faulty when the light has not been emitted.	
E592	0001	The trailing edge sensor/ the side registration sensor error	The voltage of receiving light is faulty when the light has been emitted (the trailing edge sensor)	Check the trailing edge sensor. Check the side registration sensor. Check the punch driver PCB. Replace the finisher controller PCB.
E592	0002	The trailing edge sensor/the side registration sensor error	The voltage of receiving light is faulty when the light has not been emitted (the trailing edge sensor).	Check the trailing edge sensor. Check the side registration sensor. Check the punch driver PCB. Replace the finisher controller PCB.
E592	0003	The trailing edge sensor/the side registration sensor error	The voltage of receiving light is faulty when the light has been emitted (the side registration sensor 1).	Check the trailing edge sensor. Check the side registration sensor. Check the punch driver PCB. Replace the finisher controller PCB.

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E592	0004	The trailing edge sensor/the side registration sensor error	The voltage of receiving light is faulty when the light has not been emitted (the side registration sensor 1).	Check the trailing edge sensor. Check the side registration sensor. Check the punch driver PCB. Replace the finisher controller PCB.
E592	0005	The trailing edge sensor/the side registration sensor error	The voltage of receiving light is faulty when the light has been emitted (the side registration sensor 2).	Check the trailing edge sensor. Check the side registration sensor. Check the punch driver PCB. Replace the finisher controller PCB.
E592	0006	The trailing edge sensor/the side registration sensor error	The voltage of receiving light is faulty when the light has not been emitted (the side registration sensor 2).	Check the trailing edge sensor. Check the side registration sensor. Check the punch driver PCB. Replace the finisher controller PCB.
E592	0007	The trailing edge sensor/the side registration sensor error	The voltage of receiving light is faulty when the light has been emitted (the side registration sensor 3).	Check the trailing edge sensor. Check the side registration sensor. Check the punch driver PCB. Replace the finisher controller PCB.

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E592	0008	The trailing edge sensor/the side registration sensor error	The voltage of receiving light is faulty when the light has not been emitted (the side registration sensor 3).	Check the trailing edge sensor. Check the side registration sensor. Check the punch driver PCB. Replace the finisher controller PCB.
E592	0009	The trailing edge sensor/the side registration sensor error	The voltage of receiving light is faulty when the light has been emitted (the side registration sensor 4).	Check the trailing edge sensor. Check the side registration sensor. Check the punch driver PCB. Replace the finisher controller PCB.
E592	000A	The trailing edge sensor/the side registration sensor error	The voltage of receiving light is faulty when the light has not been emitted (the side registration sensor 4)	Check the trailing edge sensor. Check the side registration sensor. Check the punch driver PCB. Replace the finisher controller PCB.
E593	0001	The punch shift motor error	When light has been emitted, the receiving light voltage H.P. sensor does not turn off.	Check the side registration motor. Check the side registration motor HP sensor. Check the punch driver PCB. Replace the finisher controller PCB. Check the punch shift mechanism.
	0002		When light has not been emitted, the receiving light voltage H.P. sensor does not turn on.	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F0	0001	The saddle paper positioning plate error	The paper positioning plate HP sensor does not turn on when the paper positioning plate motor has been driven for 1.33 sec. The paper positioning plate motor (M4S)/the paper positioning HP sensor (P17S)	Check the paper positioning plate motor. Check the paper positioning plate HP sensor. Replace the finisher controller PCB. Check the paper positioning plate drive mechanism.
	0002		The paper positioning plate HP sensor does not turn off when the paper positioning plate motor has been drive for 1 sec. The paper positioning plate motor (M4S)/the paper positioning HP sensor (P17S)	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F1	0001	The saddle paper folder error	The number of detection pulse of the paper folder motor clock sensor drops below a specific value. The paper folder motor (M2S)/the paper folder motor clock sensor (PI4S)	Check the paper folder motor. Check the paper folder motor clock sensor. Replace the finisher controller PCB. Check the paper folder plate drive mechanism.
	0002		The state of the paper folding home position sensor does not change when the paper folder motor has been driven for 3 sec. The paper folder motor (M2S)/the paper folder motor clock sensor (PI4S)	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F2	0001	The saddle guide error	The guide home position sensor does not turn on when the guide motor has been driven for 0.455 sec. The guide motor (M3S)/the guide HP sensor (PI13S)	Check the guide motor. Check the guide home position sensor. Replace the finisher controller PCB. Check the guide drive mechanism.
	0002		The guide home position sensor does not turn off when the guide motor has been driven for 1 sec. The guide motor (M3S)/ the guide HP sensor (PI13S)	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F3	0001	The saddle alignment error	The alignment plate home position sensor does not turn on when the alignment motor has been driven for 0.5 sec (initially, driven for 1.67 sec). The alignment motor (M5S)/ the alignment plate home position sensor (PI5S)	Check the alignment motor. Check the alignment plate HP sensor. Check the alignment plate drive mechanism. Replace the finisher controller PCB.
	0002		The alignment plate home position sensor does not turn off when the alignment motor has been driven for 1sec. The alignment motor (M5S)/ the alignment plate home position sensor (PI5S)	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F4	0001	The saddle rear stapler error	The stitch operation home position switch does not go on when the stitch motor (rear) has been rotated in CCW for 0.5 sec or more. The stitch motor (rear, M6S)/the stitch operation home position sensor (rear, MS5S)	Replace the stitcher (rear). Check the cable. Replace the finisher controller PCB.
	0002		The stitch operation home position switch does not go off when the stitch motor (rear) has been rotated in CW for 0.5 sec or more. The stitch motor (rear, M6S)/ the stitch operation home position sensor (rear, MS5S)	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F5	0001	The saddle front stapler error	The stitch operation home position sensor does not go on when the stitch motor (front) has been rotated in CCW for 0.5 sec or more. The stitch motor (front, M7S)/the stitch operation home position sensor (front, MS7S)	Replace the stitcher (front). Check the cable. Replace the finisher controller PCB.
	0002		The stitch operation home position sensor does not go off when the stitch motor (front) has been rotated in CW for 0.5 sec or more. The stitch motor (front, M7S)/ the stitch operation home position sensor (front, MS7S)	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F6	0001	The saddle push-on error	The paper push plate home position sensor does not go on when the paper push plate motor has been driven for 0.3 sec or more. The paper push plate motor (M8S)/the paper push plate HP sensor (PI14S)	Check the paper push plate motor. Check the paper push plate home position sensor. Replace the finisher controller PCB.
E5F6	0002	The saddle push-on error	The paper push plate home position sensor does not go off when the paper push plate motor has been driven for 80 ms or more. The paper push plate motor (M8S)/the paper push plate HP sensor (PI14S)	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F6	0003	The saddle push-on error	The number of detection pulse of the paper push plate motor clock sensor drops below a specific value. The paper push plate motor (M8S)/the paper push plate motor clock sensor (PI1S)	Check the paper push plate motor. Check the paper push plate motor clock sensor. Replace the finisher controller PCB.

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F6	0004	The saddle push-on error	The paper push plate leading edge position sensor does not go off when the paper push plate motor has been driven for 80 ms or more. The paper push motor (M8S)/ the paper push plate leading edge position sensor (PI15S)	Check the paper push plate motor. Check the paper push plate leading edge position sensor. Replace the finisher controller PCB.
E5F6	0005	The saddle push-on error	The paper push plate leading edge position sensor does not go on when the paper push plate motor has been driven for 0.3 sec or more. The paper push plate motor (M8S)/the paper push plate leading edge position sensor (PI15S)	

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F8	0001	The saddle connector error	The connector of the guide home position sensor is found disconnected. The connector of the guide home position sensor (PI13S)	Connect the connector of the guide home position sensor. Check the cable. Replace the finisher controller PCB.
	0002		The connector of the paper push plate home position sensor is found disconnected. The connector of the paper push plate home position sensor (PI14S)	Connect the connector of the paper push plate home position sensor. Check the cable. Replace the finisher controller PCB.
	0003		The connector of the paper push plate leading edge position sensor is found disconnected. The connector of the paper push plate leading edge position sensor (PI15S)	Connect the paper push plate leading edge position sensor. Check the cable. Replace the finisher controller PCB.

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F	0001	The saddle switch error	While the following covers are closed (as detected), the inlet cover is open (as detected) for 1 sec or more from the start of initial rotation of the host machine or the start of printing. - Inlet cover sensor (PI9S) - Front cover open/closed sensor (PI2S) - Delivery cover sensor (PI3S) OR the front cover switch (MS2S) or the delivery cover switch (MS3S) is open.The inlet cover switch (MS1S)/the front cover switch (MS2S)/the delivery cover switch (MS3S)	Check the inlet cover switch. Check the inlet cover sensor. Check the front cover open/ closed sensor. Check the delivery cover sensor. Replace the finisher controller PCB.

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F	0002	The saddle switch error	While the following covers are closed (as detected), the front cover switch is open (as detected) for 1 sec or more from the start of initial rotation of the host machine or the start of printing. - Inlet cover sensor (PI9S) - Front cover open/closed sensor (PI2S) - Delivery cover sensor (PI3S) - Front cover switch (MS2S)/ Delivery cover switch (MS3S)	Check the front cover switch. Check the inlet cover sensor. Check the front cover open/ closed sensor. Check the delivery cover sensor. Replace the finisher controller PCB.

Code	Detailed code	Name/Outline	Detected spec.	Action on error
E5F	0003	Saddle switch error	Open of the delivery cover switch is detected for 1 sec. or more after the host machine starts initial rotation/ printing while the following sensors detect close of their covers. - Inlet cover sensor (PI9S) - Front cover open/close sensor (PI2S) - Delivery cover sensor (PI3S) - Delivery cover switch (MS3S)	Check the delivery cover switch. Check the inlet cover sensor. Check the front cover open/close sensor. Check the delivery cover sensor. Replace the finisher controller PCB.

1-11. Installation

1-11-1. Items Included in the Package

The shutdown caution label has been eliminated from the items included in the package. This is because the HDD is optional and the machine does not perform the shutdown sequence in normal mode.

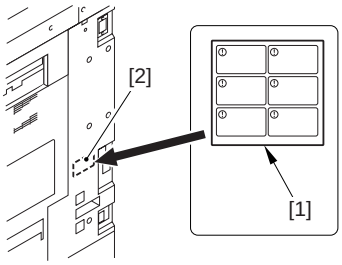
1-11-2. Installation Procedure

The procedure for attaching the shutdown caution label has been deleted.

The deleted procedure is shown below.

- Shutdown caution label

1) Attach the shutdown caution label [1] of appropriate language to the left of the main power [2] on the right cover (rear).



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MEMO

The shutdown caution label is included with the optional iR System Expansion Kit-A1. Attach the label when installing the kit.

1-12. MEAP

The new model (iR2230/3530) is not equipped with the MEAP function.

1-13. Version Upgrade

Differences in terms of version upgrade are shown below.

1-13-1. Available SST

Version 3.11 or later

1-13-2. Selective Model Name

Standard: iR2230 (DC Controller PCB for iR3530: iR3530)

When the hard disk is added: iR2230HD (DC Controller PCB for iR3530: iR3530HD)

1-13-3. System Software of Version Upgrade

There are neither MEAPCONT nor SDICT. In addition to this, there are neither RUI nor KEY in standard mode (i.e., without the HDD).

1-13-4. System CD

The system CD for iR2230/3530 differs from the one for the base model (iR2270/3570). Further, another system CD is used when adding the hard disk.

2. Service Parts

Refer to the attached pages.

3. Serial No.

iR2230

230V F14-3293 KJD00000-

iR3530

230V F14-6793 KJH00000-

	No.	FIG	KEY	Old iR2270 230V EURO F14-3291-000	Q'TY	New iR2230 230V EURO F14-3293-000	Q'TY	Description
DIFFERENCE	1	130		FM2-0362-000	1	FM2-0325-000	1	CONTROL PANEL ASSEMBLY
DIFFERENCE	2	130	21	FC5-5457-000	1	FC5-1403-000	1	PANEL, CONTROL PANEL
DIFFERENCE	3	130	2	FC5-4458-000	1	FC5-1501-000	1	SHEET, LCD ELECTROSTATIC
REDUCTION	4	315	17	FC5-0530-000	1		0	COVER
REDUCTION	5	100	39	2-0352-000	1		0	SHEET, PERTAINING
DIFFERENCE	6	130	5	FK2-0246-000	1	FH6-0735-000	1	ANALOG TOUCH PANEL UNIT
ADDITIONAL	7	130	23			6-2908-000	1	KEY, FUNCTION
ADDITIONAL	8	130	24			5-1503-000	1	HOLDER, FUNCTION
ADDITIONAL	9	130	22			5-1504-000	1	KEY, INTERRUPT
ADDITIONAL	10	130	12	FG6-8939-001	1	2-2753-000	1	C. PANEL INVERTER PCB ASSEMBLY
ADDITIONAL	11	130	11	FG3-3965-000	1	2-2754-000	1	CONTROL PANEL CPU PCB ASSEMBLY
ADDITIONAL	12	130	7	FG3-2834-000	1	FM2-2755-000	1	PANEL SWITCH PCB ASSEMBLY
ADDITIONAL	13	130	9	FG3-2836-000	1	FM2-2756-000	1	CABLE, INVERTER
ADDITIONAL	14	130	8	FG3-2835-000	1	FM2-2757-000	1	CABLE, SWITCH
REDUCTION	15	621	36	FC6-5087-000	1		0	SHEET, BOTTLE LIMIT
DIFFERENCE	16	100	38	FC6-4832-000	1	FC6-4829-000	1	PLATE, NAME
DIFFERENCE	17	900	2	FM2-3226-000	1	FM2-3698-000	1	BOARD, BW3 CONTROLLER
DIFFERENCE	18	900	5	WA7-3296-000	1	WA7-3625-000	1	DIMM, MT8LSDT3264AY-133, SDRAM
REDUCTION	19	900	3	WM2-5216-000	1		0	HDD, HTS541020G9AT00
DIFFERENCE	20	100	23	FB3-2224-000	1	FC6-5052-000	1	PIN, HINGE
DIFFERENCE	21	310	57	RB1-6539-000	1	FC6-5064-000	1	DAMPER
REDUCTION	22	130	4	FH2-7037-000	1		0	CABLE, FLAT

2	No.	FIG	KEY	Old	Q'TY	New	Q'TY	Description
				iR3570 230V EURO		iR3530 230V EURO		
				F14-6791-000		F14-6793-000		
DIFFERENCE	1	130		FM2-0362-000	1	FM2-0325-000	1	CONTROL PANEL ASSEMBLY
DIFFERENCE	2	130	21	FC5-5457-000	1	FC5-1403-000	1	PANEL, CONTROL PANEL
DIFFERENCE	3	130	2	FC5-4458-000	1	FC5-1501-000	1	SHEET, LCD ELECTROSTATIC
REDUCTION	4	100	43	FC5-0860-000	1		0	GUIDE, REVERSE BACK END
REDUCTION	5	352	27	FC5-6004-000	1			COVER, PROTECTIVE
ADDITIONAL	6	130	24			FC5-1503-000	1	HOLDER, FUNCTION
ADDITIONAL	7	130	22			FC5-1504-000	1	KEY, INTERRUPT
ADDITIONAL	8	130	23			FC6-2908-000	1	KEY, FUNCTION
REDUCTION	9	130	12	FG6-8939-000	1		0	C. PANEL INVERTER PCB ASSEMBLY
DIFFERENCE	10			FK2-0246-000	1	FH6-0735-000	1	ANALOG TOUCH PANEL UNIT
ADDITIONAL	11					FM2-2753-000	1	C. PANEL INVERTER PCB ASSEMBLY
ADDITIONAL	12					FM2-2754-000	1	CONTROL PANEL CPU PCB ASSEMBLY
ADDITIONAL	13					FM2-2755-000	1	PANEL SWITCH PCB ASSEMBLY
ADDITIONAL	14					FM2-2756-000	1	CABLE, INVERTER
ADDITIONAL	15					FM2-2757-000	1	CABLE, SWITCH
REDUCTION	16	351	1	FC5-0859-000	1		0	COVER, CONNECTOR
REDUCTION	17		2	FC5-0888-000	1		0	PANEL, 2ND DELIVERY BLANKING
REDUCTION	18		3	FC5-0978-000	1		0	SHAFT, 2ND DELIVERY HINGE
REDUCTION	19		4	FC5-0992-000	1		0	FLAG, PAPER FULL
REDUCTION	20		5	FC5-1019-000	1		0	SHAFT, 3RD DELIVERY HINGE
REDUCTION	21		6	FC5-6011-000	1		0	COVER, GEAR
REDUCTION	22		7	FG3-3294-000	1		0	CABLE, INTERFACE
REDUCTION	23		8	FG3-3297-000	1		0	CABLE, MOTOR
REDUCTION	24		9	FG3-3301-000	1		0	CABLE, SENSOR
DIFFERENCE	25		10	FK2-0149-000	10		8	PHOTO-INTERRUPTER, TLP1253(C6)
REDUCTION	26	352	1	FC5-0987-000	1		0	FLAG, REVERSE SENSOR
REDUCTION	27		2	FC5-0988-000	1		0	SPRING, TORSION
REDUCTION	28		3	FC5-0989-000	1		0	ROLLER, REVERSE
REDUCTION	29		4	FC5-1025-000	1		0	PLATE, GROUNDING
REDUCTION	30		5	FC5-1038-000	1		0	GUIDE, 2ND DELIVERY, UPPER
REDUCTION	31		7	FB5-4754-000	1		0	SPACER
REDUCTION	32		8	FC5-0870-000	1		0	GUIDE, SLIDE
REDUCTION	33		9	FC5-6010-000	1		0	COVER, GEAR, 1
REDUCTION	34		10	FH5-1021-000	1		0	MOTOR, STEPPING, AC
REDUCTION	35		11	FH5-1108-000	1		0	MOTOR, STEPPING, AC
REDUCTION	36		12	FU5-0054-000	2		0	GEAR, 35T
REDUCTION	37		13	FU5-0077-000	1		0	GEAR, 46T
REDUCTION	38		14	FU5-0078-000	1		0	GEAR, 30T/24T,30T/24T
REDUCTION	39		15	FU5-3020-000	1		0	GEAR, 24T/PULLEY, 30T
REDUCTION	40		16	FU5-3022-000	1		0	PULLEY, 30T/GEAR, 35T
REDUCTION	41		18	XF2-4104-240	1		0	BELT, TIMING, COGGED

REDUCTION	42		19	XF2-4108-240	1		0	BELT, TIMING, COGGED
REDUCTION	43		20	FC5-0985-000	1		0	GUIDE, REVERSE LOWER
REDUCTION	44		21	FC5-0991-000	4		0	SPRING
REDUCTION	45		22	FC5-1013-000	4		0	ROLLER
REDUCTION	46		23	FL2-1200-000	1		0	GUIDE, REVERSE LOWER AUXILIARY
REDUCTION	47		24	FC5-6003-000	1		0	ELIMINATOR, STATIC-CHARGE
REDUCTION	48		25	FS5-1943-000	12		10	BUSHING
REDUCTION	49		26	FU5-3021-000	1		0	PULLEY, 30T
REDUCTION	50		27	FC5-6004-000	1		0	COVER, PROTECTIVE
REDUCTION	51	352		FM2-1328-000	1		0	2ND UPPER DELIVERY ASSEMBLY
REDUCTION	52	353		FM2-4471-000	1		0	2ND DELIVERY FRAME ASSEMBLY
REDUCTION	53		1	FB5-4754-000	1		0	SPACER
DIFFERENCE	54		2	FC6-2915-000	5		1	HOLDER, ROLLER
DIFFERENCE	55		3	FB5-9803-000	10		2	RING
DIFFERENCE	56		4	FB6-5796-000	5		1	ROLLER, PAPER DELIVERY
REDUCTION	57		5	FC5-0974-000	1		0	SPRING, TORSION
REDUCTION	58		6	FC5-0996-000	1		0	FLAG, 2ND DELIVERY SENSOR
REDUCTION	59		7	FC5-0997-000	1		0	SPRING, TORSION
REDUCTION	60		8	FC5-1017-000	1		0	ROLLER, 2ND VERTICAL PATH
REDUCTION	61		9	FC5-1053-000	1		0	COVER, SOLENOID, 1
REDUCTION	62		10	FC5-5474-000	1		0	GUIDE, 2ND DELIVERY ENTRANCE
REDUCTION	63		11	FG3-3299-000	1		0	CABLE, 2ND PAPER DELIVERY
REDUCTION	64		13	FL2-1201-000	1		0	GUIDE, 2ND PAPER DELIVERY
REDUCTION	65		14	FL2-1202-000	1		0	HINGE, 2ND DELIVERY
REDUCTION	66		15	FL2-1203-000	1		0	SOLENOID
REDUCTION	67		16	FL2-1212-030	1		0	FLAPPER, 1ST PAPER DELIVERY
REDUCTION	68		17	FC5-0805-000	4		0	ROLLER, REFORM
REDUCTION	69		18	FC5-0998-000	1		0	ROLLER, 2ND PAPER DELIVERY
REDUCTION	70		19	FC5-0871-000	2		0	SPRING, COMPRESSION
REDUCTION	71		20	FC5-0873-000	1		0	COVER, 2ND DELIVERY FRAME
REDUCTION	72		21	FC5-6014-000	2		0	CAP, SPRING
REDUCTION	73		23	FS5-6488-000	2		0	WASHER
REDUCTION	74		24	FS7-2859-000	4		0	SPRING, COMPRESSION
REDUCTION	75		25	FU5-0076-000	1		0	GEAR, 24T
REDUCTION	76		26	FU5-3019-000	1		0	PULLEY, 30T/GEAR, 35T
REDUCTION	77		27	FU5-3020-000	1		0	GEAR, 24T/PULLEY, 30T
REDUCTION	78		28	XF2-4107-940	1		0	BELT, TIMING. COGGED
REDUCTION	79		29	XG9-0520-000	2		0	BEARING, BALL
REDUCTION	80	354		FM2-1335-000	1		0	3RD DELIVERY FRAME
REDUCTION	81		1	FB5-9325-000	1		0	MAGNET, 3RD
REDUCTION	82		2	FC5-0872-000	1		0	COVER, DELIVERY SOLENOID, 2
REDUCTION	83		3	FC5-1012-000	1		0	ROLLER, DUPLEXING ENTRANCE
REDUCTION	84		4	FC5-1020-000	1		0	ROLLER, 3RD DELIVERY
REDUCTION	85		5	FC5-1023-000	1		0	ARM, SOLENOID, 2
REDUCTION	86		6	FC5-6006-000	1		0	PLATE, GROUNDING

REDUCTION	87		7	FG3-3295-000	1		0	CABLE, 3RD DELIVERY
REDUCTION	88		8	FL2-1206-000	1		0	SOLENOID
REDUCTION	89		9	FC5-0862-000	1		0	PLATE, GROUNDING
REDUCTION	90		10	FC5-0977-000	1		0	SPRING, TORSION
REDUCTION	91		11	FC5-1009-000	1		0	GUIDE, 3RD DELIVERY, UPPER
REDUCTION	92		12	FC5-6003-000	1		0	ELIMINATOR, STATIC-CHARGE
REDUCTION	93		13	FL2-1208-000	1		0	FLAPPER, 3RD PAPER DELIVERY
REDUCTION	94		14	FC5-0976-000	1		0	SPRING, TENSION
REDUCTION	95		15	FC5-1003-000	1		0	FLAPPER, 2ND PAPER DELIVERY
REDUCTION	96		16	FC5-1005-000	1		0	FLAG, DUPLEX ENTRANCE SENSOR
REDUCTION	97		17	FC5-1006-000	1		0	SPRING, TORSION
REDUCTION	98		18	FC5-1013-000	8		0	ROLLER
REDUCTION	99		19	FC5-1014-000	8		0	SPRING
REDUCTION	100		20	FC5-6008-000	1		0	GUIDE, DUPLEXING ENTRANCE, 2
REDUCTION	101		21	FC5-6019-000	1		0	SPRING, TORSION
REDUCTION	102		23	FL2-1207-000	1		0	GUIDE, DUPLEXING ENTRANCE
REDUCTION	103		24	FL2-1209-000	1		0	FLAPPER, REVERSE
REDUCTION	104		25	FS5-1377-000	2		0	BUSHING
REDUCTION	105		26	FM2-1340-000	1		0	3RD DELIVERY FRAME ASSEMBLY
REDUCTION	106		30	FC5-1010-000	1		0	FLAG, 3RD DELIVERY SENSOR
REDUCTION	107		31	FC5-1011-000	1		0	SPRING, TORSION
REDUCTION	108		32	FC5-6012-000	4		0	SHEET, HOLDER
REDUCTION	109		33	FL2-1210-000	1		0	FRAME, 3RD DELIVERY
REDUCTION	110		34	FS7-2859-000	4		0	SPRING, COMPRESSION
REDUCTION	111		35	FC5-1024-000	1		0	ARM, SOLENOID, 3
REDUCTION	112		36	FC5-1054-000	1		0	COVER, DELIVERY SOLENOID, 1
REDUCTION	113		37	FL2-1205-000	1		0	SOLENOID
REDUCTION	114		39	FU5-3018-000	1		0	PULLEY, 30T/GEAR, 35T
REDUCTION	115		40	FU5-3021-000	1		0	PULLEY, 30T
REDUCTION	116		42	XF2-4109-240	1		0	BELT, TIMING, COGGED
REDUCTION	117	994		FM2-3221-000	1		0	DELIVERY CONTROLLER PCB ASS'Y
DIFFERENCE	118	IC		FH4-6204-000	2		1	IC, S1L50993F22H000,GATE-ARRAY
REDUCTION	119	621	36	FC6-5087-000	1			SHEET, BOTTLE LIMIT
DIFFERENCE	120	100	38	FC5-7210-000	1	FC5-7224-000	1	PLATE, NAME
DIFFERENCE	121	900	2	FM2-3226-000	1	FM2-3698-000	1	BOARD, BW3 CONTROLLER
DIFFERENCE	122	900	5	WA7-3296-000	1	WA7-3625-000	1	DIM, MT8LSDT3264AY-133, SCRAM
REDUCTION	123	900	3	WM2-5216-000	1		0	HDD, HTS541020G9AT00
DIFFERENCE	124	100	23	FB3-2224-000	1	FC6-5052-000	1	PIN, HINGE
REDUCTION	125	100	43	FC5-0860-000	1		0	GUIDE, REVERSE BACK END
DIFFERENCE	126	310	57	RB1-6539-000	1	FC6-5064-000	1	DAMPER
REDUCTION	127	130	4	FH2-7037-000	1		0	CABLE, FLAT