

3. Disassembly and Reassembly

3.1 General Precautions on Disassembly

When you disassemble and reassemble components, you must use extreme caution. The close proximity of cables to moving parts makes proper routing a must.

If components are removed, any cables disturbed by the procedure must be restored as close as possible to their original positions. Before removing any component from the machine, note the cable routing that will be affected.

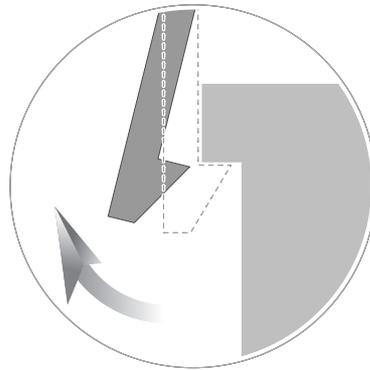
Whenever servicing the machine, you must perform as follows:

1. Check to verify that documents are not stored in memory.
2. Be sure to remove the print cartridge before you disassemble parts.
3. Unplug the power cord.
4. Use a flat and clean surface.
5. Replace only with authorized components.
6. Do not force plastic-material components.
7. Make sure all components are in their proper position.

Releasing Plastic Latches

Many of the parts are held in place with plastic latches. The latches break easily; release them carefully.

To remove such parts, press the hook end of the latch away from the part to which it is latched.



3.1.1 Screws used in the printer

Screw's	Location	Description	QT'y	Service
6001-000130	BRACKET-MOTOR	SCREW-MACHINE;BH,+,M3,L6,ZPC(WHT),SWRCH18A,-,-	7	Y
	SHAFT-WORM GEAR	SCREW-MACHINE;BH,+,M3,L6,ZPC(WHT),SWRCH18A,-,-	1	Y
6002-000440	HOLDER GLASS + SCAN UPPER	SCREW-TAPPING;PWH,+,-,2,M3,L8,ZPC(BLK),SWRCH18A,-	2	Y
	PICKUP HOUSING	SCREW-TAPPING;PWH,+,-,2,M3,L8,ZPC(BLK),SWRCH18A,-	3	Y
6003-000152	SWITCH COVER OPEN & 5V	SCREW-TAPTITE;PH,+,-,B,M2,L10,ZPC(WHT),SWRCH18A,-	3	Y
6003-000196	Holder-Link Black	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	3	Y
	Solenoid-Pick Up	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	OPE ASSY + SCAN LOWER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	PBA OPE + COVER OPE	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	6	Y
	SCAN UPPER + SCAN LOWER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	4	Y
	SCAN LOWER + JOINT B'D	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	SCAN MOTOR ASSY + SCAN LOWER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	3	Y
	ADF ASSY + COVER PLATEN	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	ADF MOTOR ASSY + ADF LOWER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	4	Y
	ADF UPPER + ADF LOWER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	DRAWER CONNECTOR + COVER ADF CONNECTOR	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	HARNESS ADF GND + GND ROLLE	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1	Y
	HARNESS ADF GND/HARNESS ADF UPPE+GND ADF	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	PBA ADF + ADF LOWER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	3	Y
	HINGE + COVER PLATEN	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	6	Y
	TX STAXKER + COVER PLATEN	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	3	Y
	COVER LEFT	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	COVER MIDDLE	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	5	Y
	COVER MIDDLE + GUIDE HARNESS	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1	Y
	COVER REAR-MFP	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	7	Y
	COVER RIGHT	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	ELA SCAN + COVER MIDDLE	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	ELA UNIT MAIN PCB + FRAME	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	3	Y
	ELA UNIT SMPS + FRAME	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1	Y
	ELA UNIT-DRIVER + FRAME	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	6	Y
	ELA UNIT-DRIVER + FRAME + SCAN GROUND	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1	Y
	ELA UNIT-FUSER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	4	Y
	ELA UNIT-LSU	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	3	Y
	HVPS + FRAME	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	6	Y
	SHIELD LIU + FRAME	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	3	Y
	GUIDE OUTPUT FUSER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1	Y
	USB HOST	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y

Screw's	Location	Description	Qty	Service
	CAM-CATCH	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	COVER-GROUND OPC	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	ELA UNIT SMPS + FRAME	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1	Y
	ELA-UNIT FUSER TERMINAL	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	GUIDE-HARNESS	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1	Y
	HARNESS SCF	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	HOLDER-CAM	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1	Y
	HOLDER-CLUTCH CAM	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1	Y
	HOLDER-FEED&EMPTY	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	MEA FRAME-EXIT	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	PLATE-GND EXIT	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1	Y
	PLATE-GND FUSER+100M	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1	Y
	PLATE-GUIDE PICKUP	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	PLATE-SHAFT LACK	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2	Y
	SOLENOID PICK-UP	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1	Y
6003-000269	BRACKET-DEVE CAP	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	5	Y
	HARNESS GND + BRACKET GEAR	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	1	Y
	MOTOR ADF + BRACKET GEAR	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	2	Y
	WHITE BAR + GROUND HARNESS	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	1	Y
	ELA UNIT MAIN PCB +DRIVE	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	1	Y
	MAIN PCB + MAIN LOWER	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	4	Y
	SMPS	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	4	Y
	PLATE-GUIDE PICKUP	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	1	Y
6003-000282	INLET-SWITCH	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	2	Y
	PLATE-DRAWER CONNECTOR	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	2	Y
6003-000301	SHAFT-IDLE D8	SCREW-TAPTITE;BH,+,-,S,M4,L6,ZPC(WHT),SWRCH18A,-	1	Y
	MAIN GROUND + DRIVE	SCREW-TAPTITE;BH,+,-,S,M4,L6,ZPC(WHT),SWRCH18A,-	1	Y
6006-001078	PLATE-GND OPC L	SCREW-TAPTITE;PH,+,WSP,B,M3,L10,ZPC(WHT),SWRCH18A,-	2	Y
	PLATE-GROUND REGI	SCREW-TAPTITE;PH,+,WSP,B,M3,L10,ZPC(WHT),SWRCH18A,-	1	Y
	SENSOR-EXIT	SCREW-TAPTITE;PH,+,WSP,B,M3,L10,ZPC(WHT),SWRCH18A,-	1	Y
	SENSOR-FEED&EMPTY	SCREW-TAPTITE;PH,+,WSP,B,M3,L10,ZPC(WHT),SWRCH18A,-	2	Y
	SENSOR-WASTE	SCREW-TAPTITE;PH,+,WSP,B,M3,L10,ZPC(WHT),SWRCH18A,-	1	Y

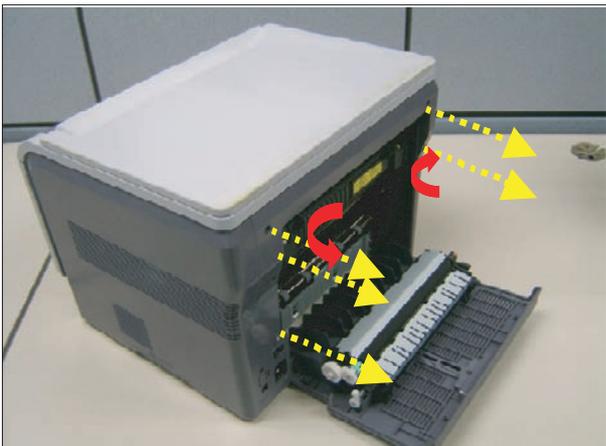
3.2 Covers

1. Remove Cassette Unit to front direction.



2. Open the Rear-Cover Unit.

Remove 5 screws from the Cover-Dummy Rear and Cover-Right on the back side on the machine. Apply light pressure to the right side of the Cover-Dummy Rear and pull it in the direction of arrow.



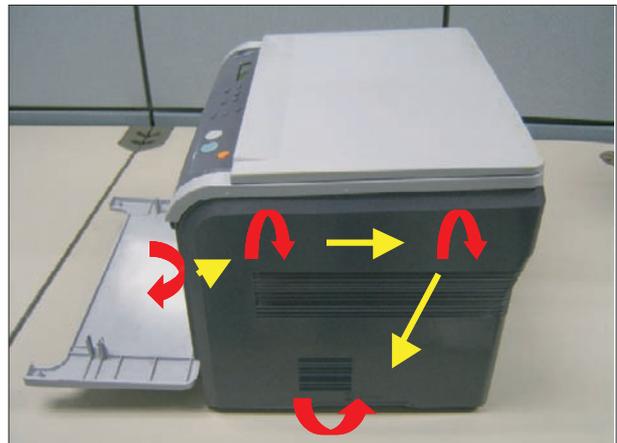
3. Open the Cover-Front and remove 2 screws and remove Image Unit.

Remove the ITB Unit Pull out the unit toward out side of printer slightly. Lift up the unit gently. Pull out the unit gently.



Notice : Do not grab the ITB Belt of the ITB Unit, it may cause a malfunction due to a foreign object. Be careful not to scratch the surface of the ITB Belt.

4. Open the Cover-Front and apply light pressure to the front side of the Cover-Right . And then use like the above order and remove the Cover-right.



5. Use same method as number 5 and remove the Cover-Left.



6. Push down MP Unit and pull Cover Dummy Front out in the direction of arrow from Left to Right.

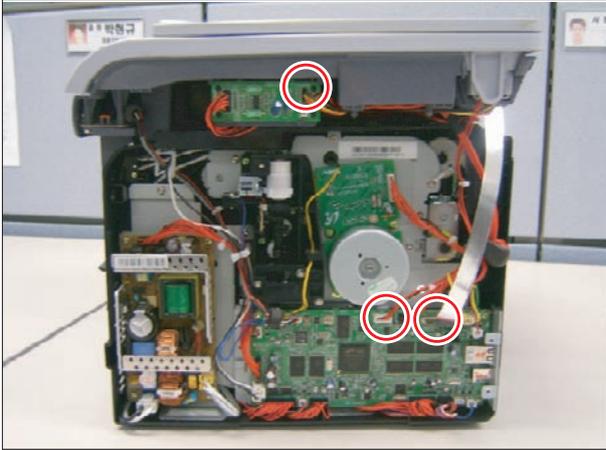


7. Remove Cover-Rear Unit.

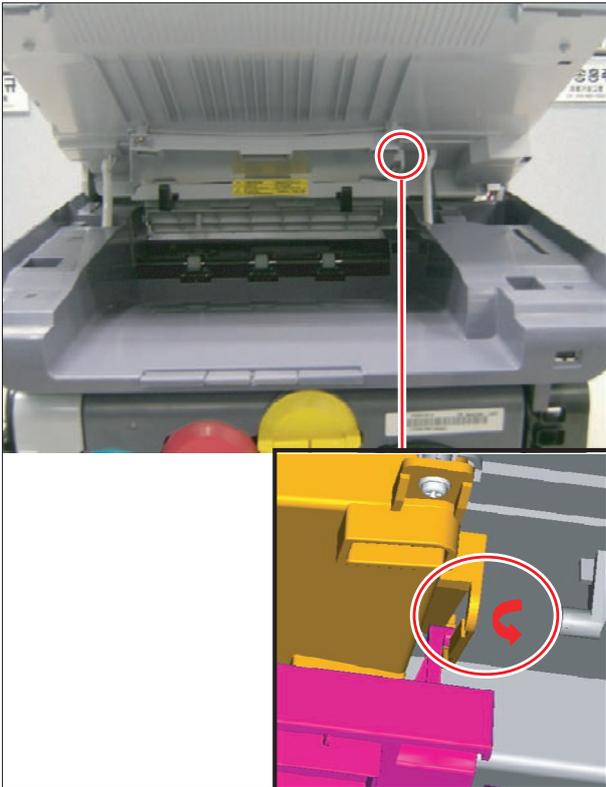


3.3 Scan-Unit

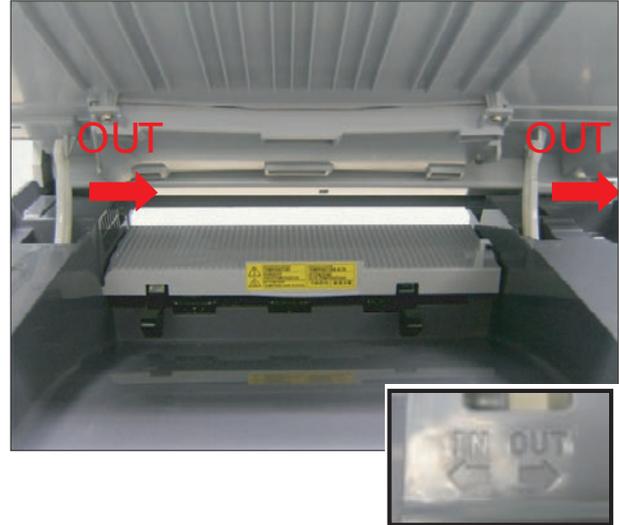
1. Disconnect 3 connectors (Scan-Motor, OPE, FFC of CIS) from Main Controller PBA.



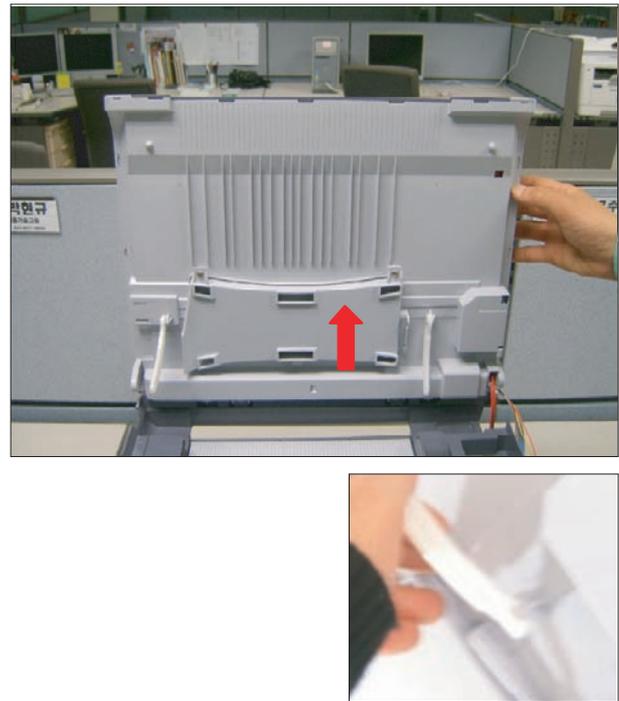
2. Open the Scan Unit and apply light pressure to the right side of the right side of the Duct-Fan . And remove the hinge of the Cover-Jam.



3. Remove 2 Stopper-Scans to the "OUT" direction like above picture holding the Scan Unit.



4. Pull the Scan-Unit up with both hands. And remove 2 Stopper-Scan fitting correct direction.



5. Remove 2 screws and Duct-Fan



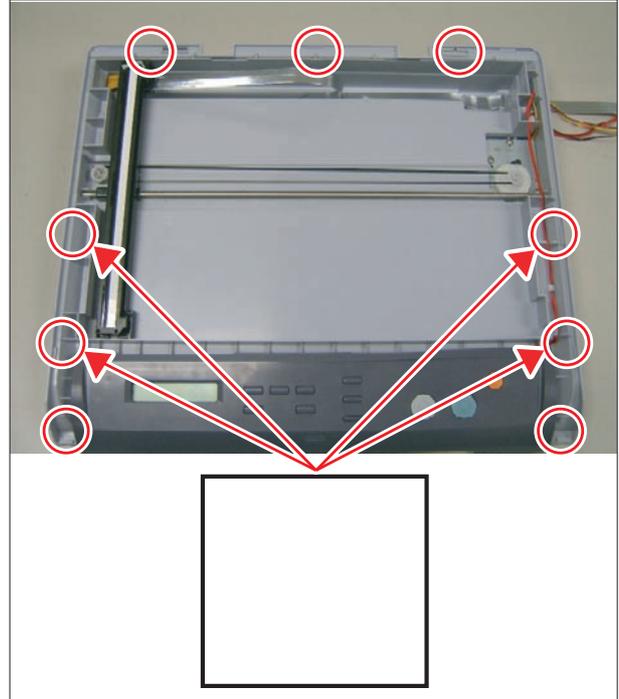
6. Remove the Platen-Unit.



7. Release 5 hook on the front-bottom side of the Scan-Unit (Cover-Panel / Scan-Lower).

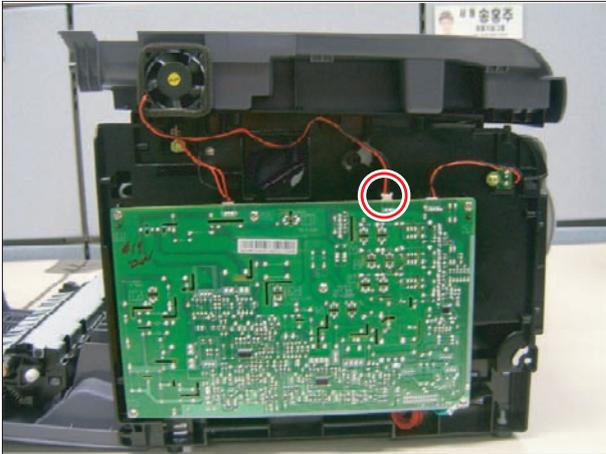


8. Release 9 hooks on the both left/right side and rear side of the Scan-Unit. (Scan-Upper / Scan-Lower) and then remove Scan-Upper Unit and OP-Unit.

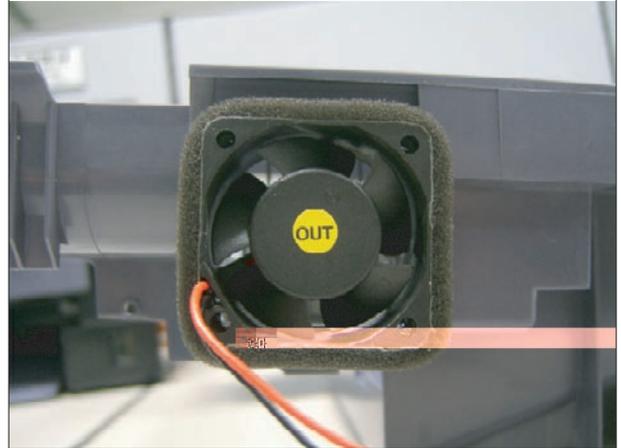


3.4 Cover-Middle Unit

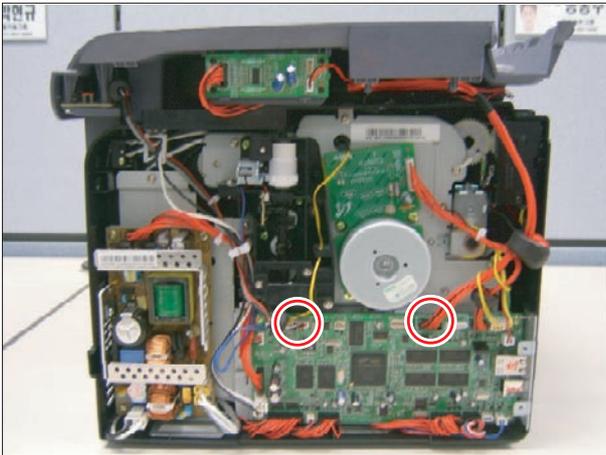
1. Disconnect the connector of the Fan.



4. Remove Fan on the left side of the Cover Middle.



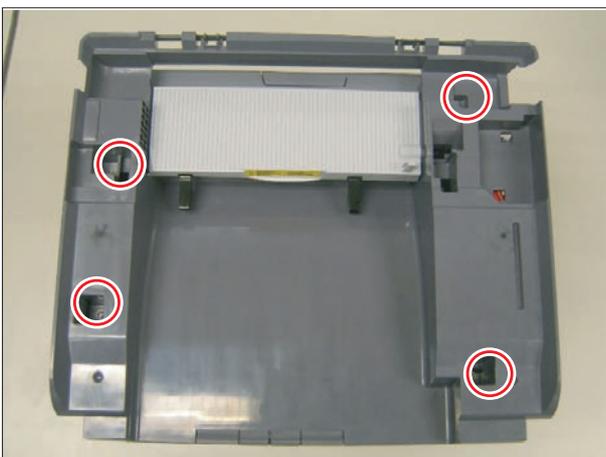
2. Disconnect 2 connectors. (USB Host & Joint PBA)



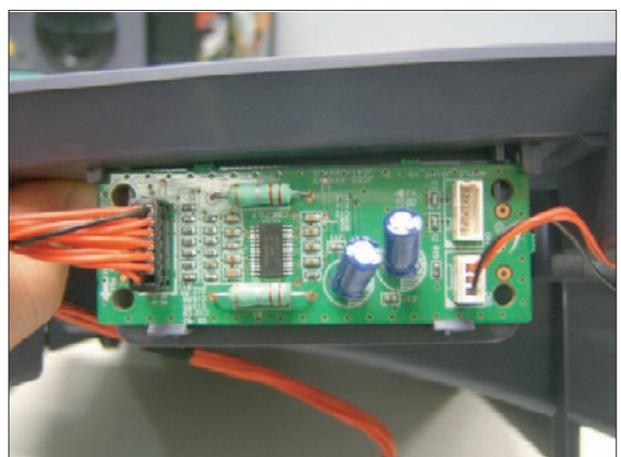
5. Remove 2 screws and Cap-USB and remove 1 screw / USB Host PBA.



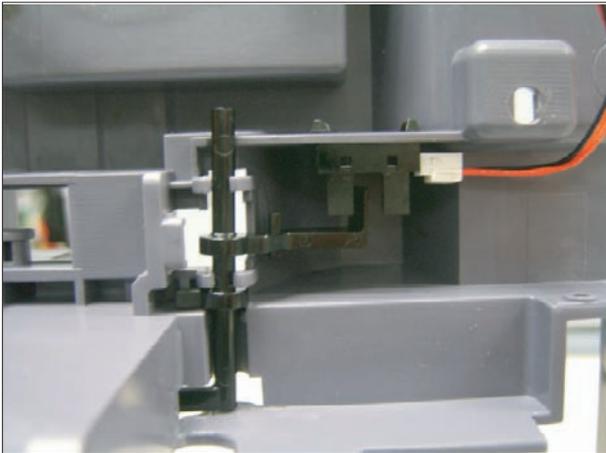
3. Remove 4 screws and Cover-Jam from the Cover-Middle Unit.



6. Remove Joint PBA.

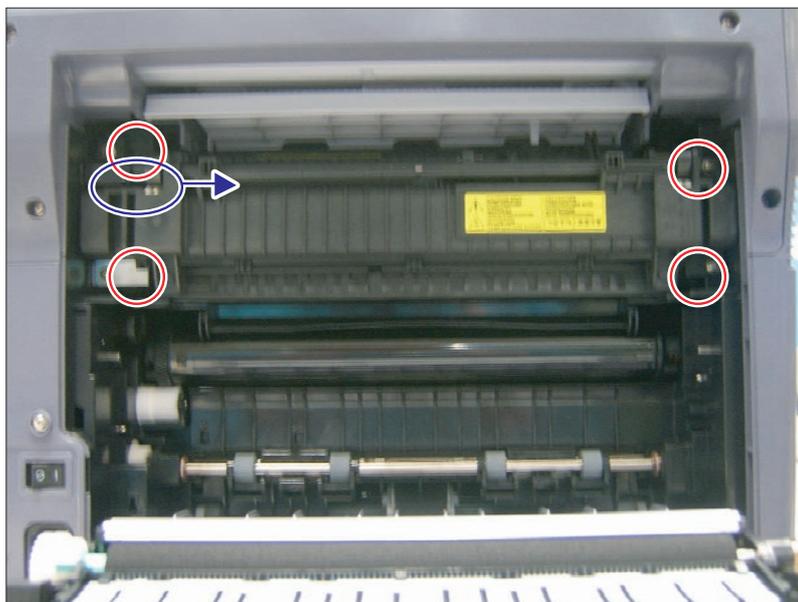


7. Remove Actuator-Outfull and Sensor.



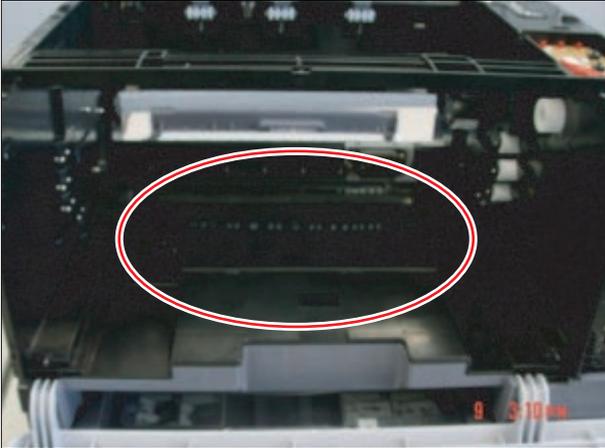
3.5 Fuser Unit

1. Unscrew 4 screws on the Fuser after open the Rear Cover.
2. Push the Holder Shaft Fuser as shown in Picture.
3. Take out the Fuser Ass'y from Printer.



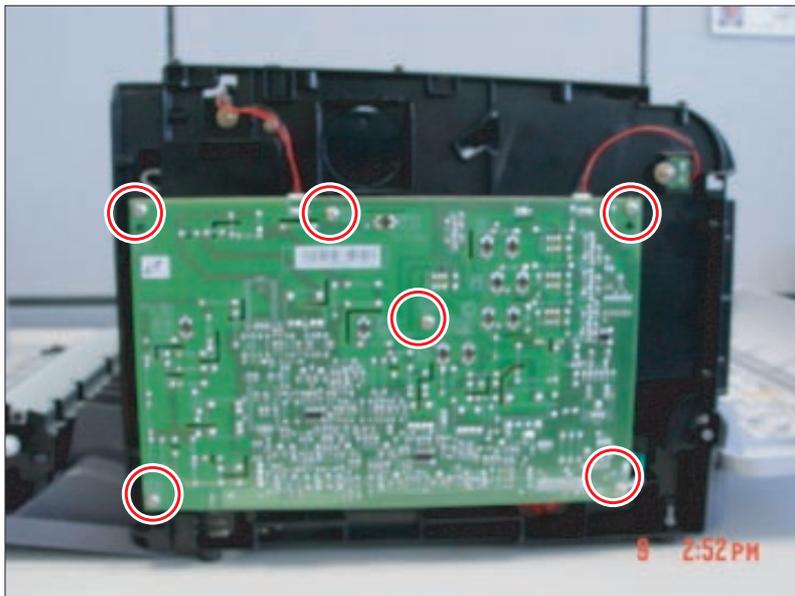
3.6 LSU (Laser Scan Unit)

1. Follow step 1 in Cover Unit Disassembly
2. Lift up the LSU Cover (as shown in Picture) and then take out.
3. Remove 3 screws and then take out the LSU.



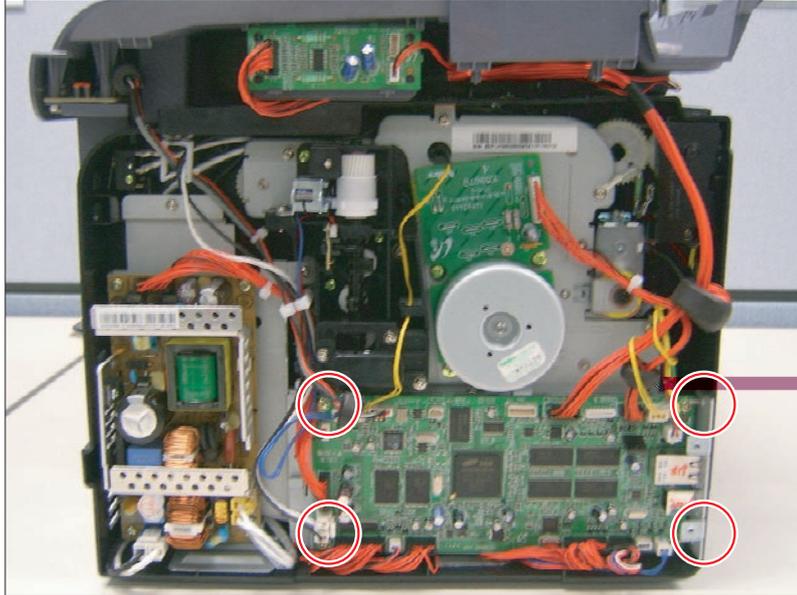
3.7 HVPS (High Voltage Power Supply)

1. Follow step 1 in Cover Unit Disassembly except removing Rear-Cover.
 2. Unscrew 6 screws and disconnect then take out the HVPS.
- ※ Be careful of taking out the HVPS because there are 11 High Voltage Terminal behind HVPS.



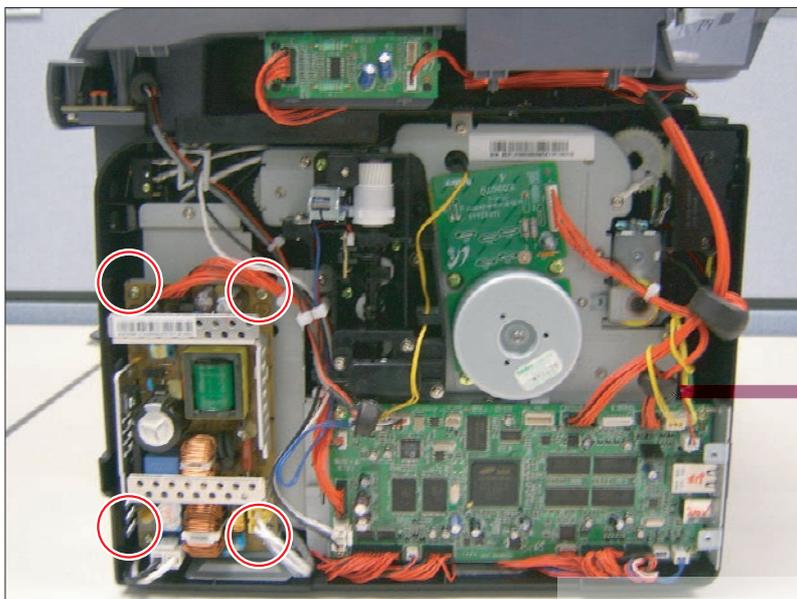
3.8 Main Controller PBA

1. Follow step 1 in Cover Unit Disassembly
2. Unscrew 4 screws and then take out the Main Board after plug out all the Harness.



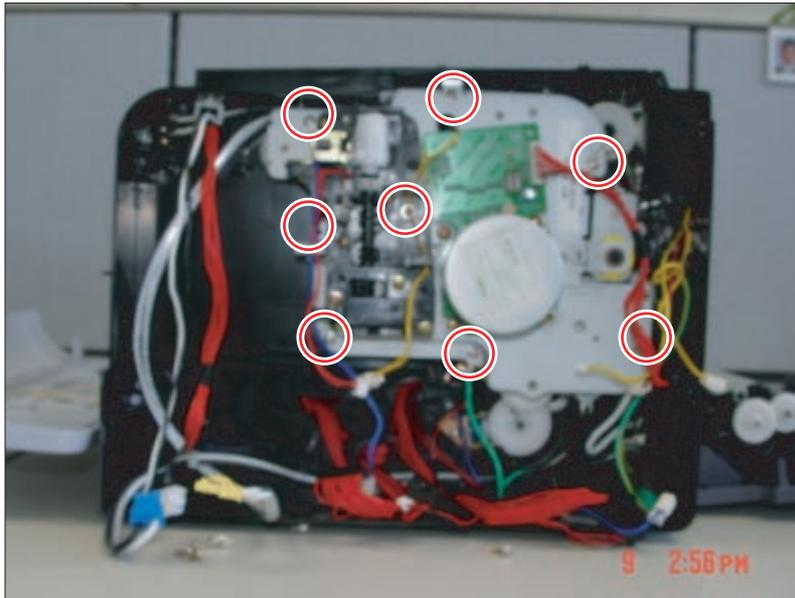
3.9 SMPS

1. Follow step 1 in Cover Unit Disassembly.
2. Remove the Main Board
3. Unscrew 4 screws and then take out the SMPS after plug out all the Harness.



3.10 Drive Unit

1. Follow step 1 through step 4 in Cover Unit Disassembly.
2. Remove the Main Board.
3. Remove the SMPS.
4. Unscrew 8 screws and then take out the Drive Ass'y.



3.11 Transfer Roller

1. Open Rear Cover.
2. Unscrew 2 screws.
3. Pull back the hook, which holds the Roller, like below picture and remove the Transfer Roller.

