

## 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.

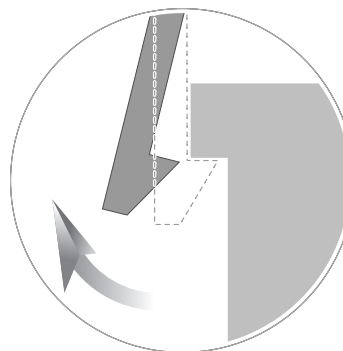
**Whenever servicing the machine, you must perform as follows:**

1. Check to verify that documents are not stored in memory.
2. Be sure to remove the toner 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.



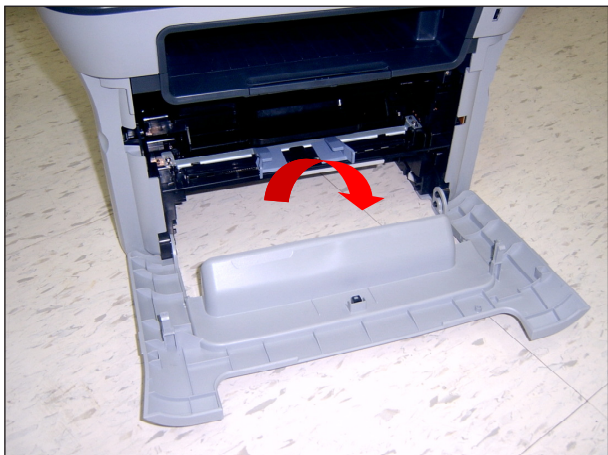
### 3.1.1 Screws used in the printer

SEC_CODE	Location	Description	Qty
6002-000440	Duplex Unit	SCREW-TAPPING;PWH,+,-,2,M3,L8,ZPC(BLK),SWRCH18A,-	1
6003-000196		SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	3
6003-000282	CARTRIDGE-TONER	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	10
6003-000196	ELA HOU-SCAN_HIGH	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	10
6003-000269	ELA HOU-ADF MOTOR	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	3
6003-000196	ELA HOU-ADF LOWER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	6
6003-000196	MEA-COVER PLATEN	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	6
6003-000196	ELA HOU-OPE	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	4
6003-000196	ELA HOU-PLATEN_HIGH	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	4
6003-000196	ELA HOU-SCAN LOWER_H	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	9
6003-000196	ELA UNIT-STANDARD SCAN	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	3
6003-000269	ELA UNIT-SCAN DRIVE	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6002-000440	ELA HOU-FRAME	SCREW-TAPPING;PWH,+,-,2,M3,L8,ZPC(BLK),SWRCH18A,-	13
6003-000196		SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	64
6003-000301		SCREW-TAPTITE;BH,+,-,S,M4,L6,ZPC(WHT),SWRCH18A,-	1
6006-001078		SCREW-TAPTITE;PH,+,WSP,B,M3,L10,ZPC(WHT), SWRCH18A,-	1
6003-000269	ELA UNIT-DRIVE	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	11
6003-000196	ELA UNIT-FUSER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	3
6003-000282		SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	4
6003-000282	MEA-COVER FRONT	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	1
6003-000196	ELA HOU-MAIN LINE	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	14
6003-001256		SCREW-TAPTITE;BH,+,B,M4,L10,NI PLT,SWRCH18A	4
6003-000282	ELA UNIT-LSU	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	10
6003-000282	ELA UNIT-LSU LD	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	2
6003-000196	MEA UNIT-CASSETTE	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2
6003-000261		SCREW-TAPTITE;BH,+,-,B,M3,L6,ZPC(WHT),SWRCH18A,-	1
6003-000264		SCREW-TAPTITE;PWH,+,B,M3,L6,ZPC(WHT),SWRCH18A,-	1

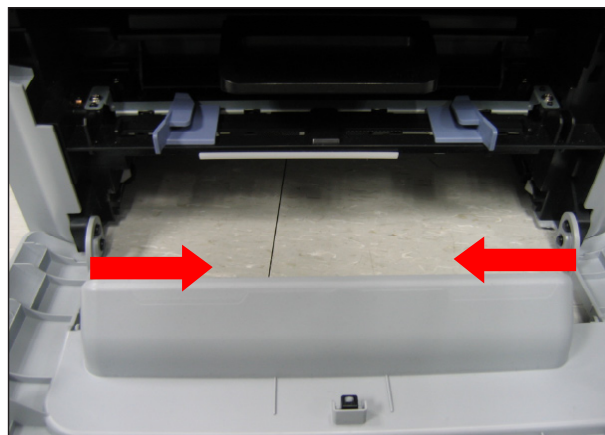
## 3.2 General Disassembly

### 3.2.1 Front Cover

1. Open the front cover after take out the cassette.

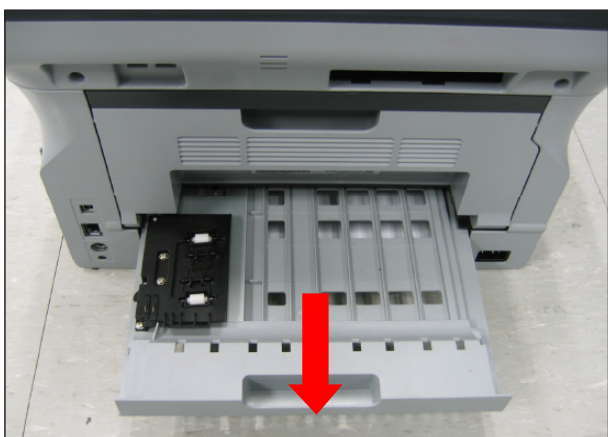


2. Separate the front cover from the lock the frame by pulling the front cover to the direction of arrow.

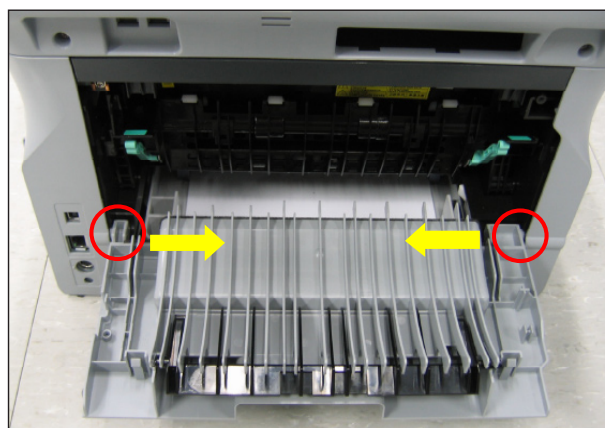


### 3.2.2 Rear Cover

1. Remove the Duplex unit.

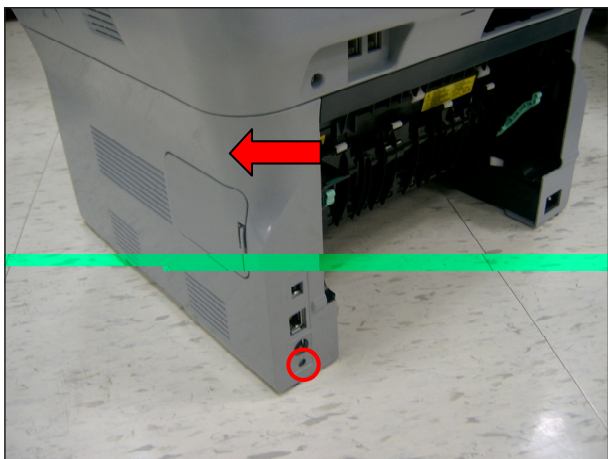


2. Open the rear cover. And separate the rear cover from the locking by pulling the rear cover to the direction of arrow.



### 3.2.3 Right/Left Cover

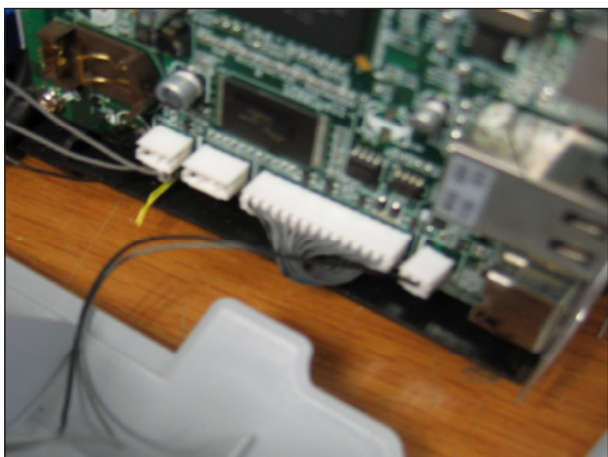
1. Remove the one screw. And pull and release the right cover somewhat.



3. Pull the left cover to the direction of arrow and release it.



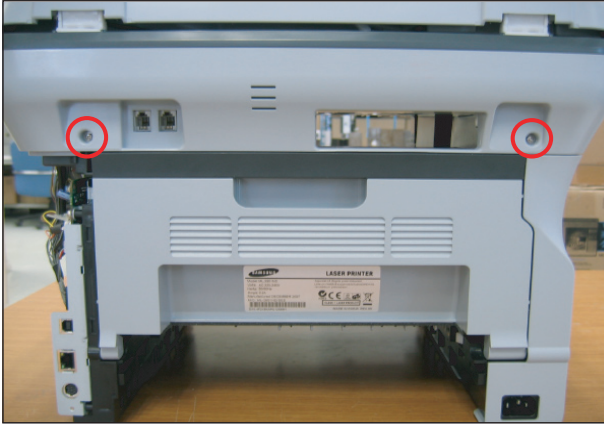
2. Release the right cover after unplug the 1 connector from Main PBA.



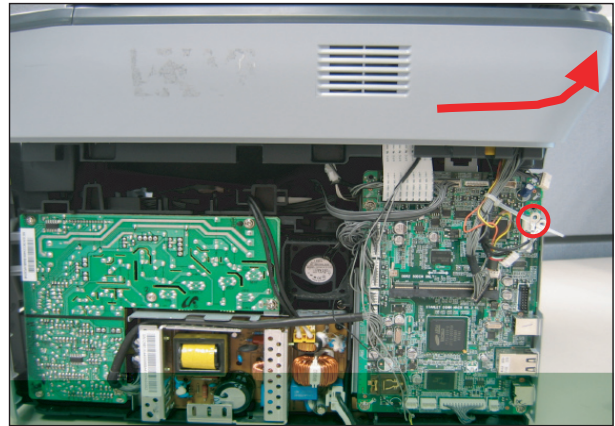


### 3.2.4 Scan and ADF Assy

1. Remove the 2 screws after remove the right cover.

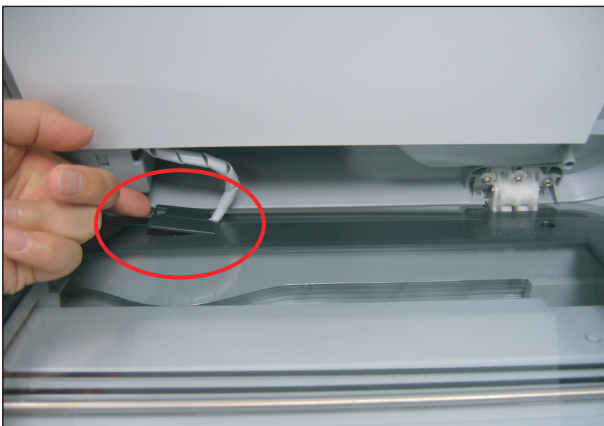


2. Remove the one screw and connected harness from Main board. And lift the Scan Assy to the direction of arrow.

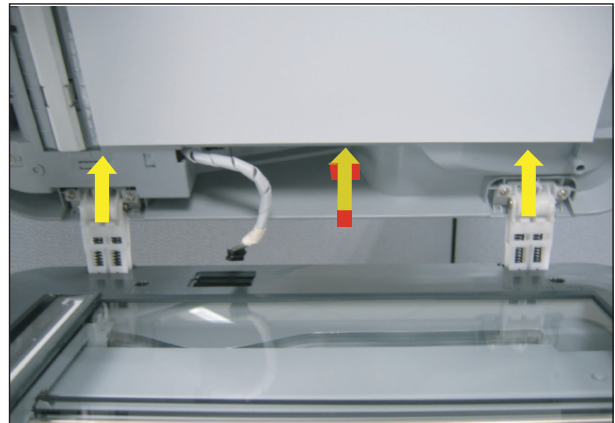


#### 3.2.4.1 ADF Unit

1. Unplug the harness after remove the cap harness as shown below.

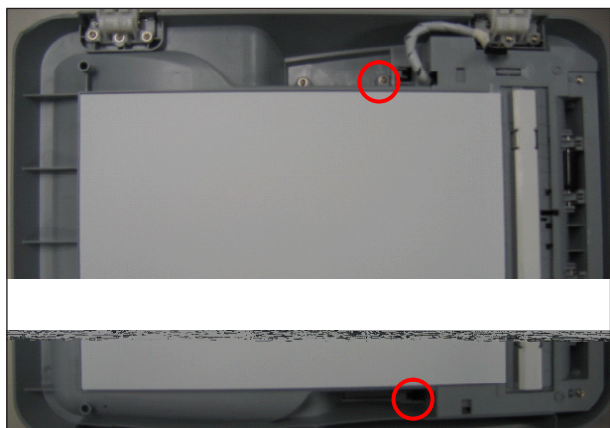


2. Lift up and release the ADF Assy.

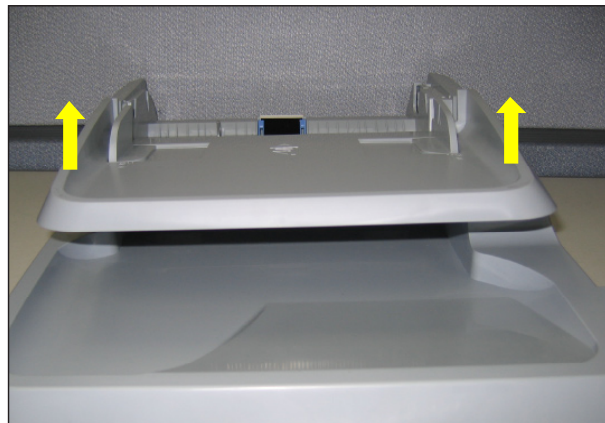


### 3.2.4.2 Stacker TX

1. Remove the 2 screws from the bottom of ADF Assy.

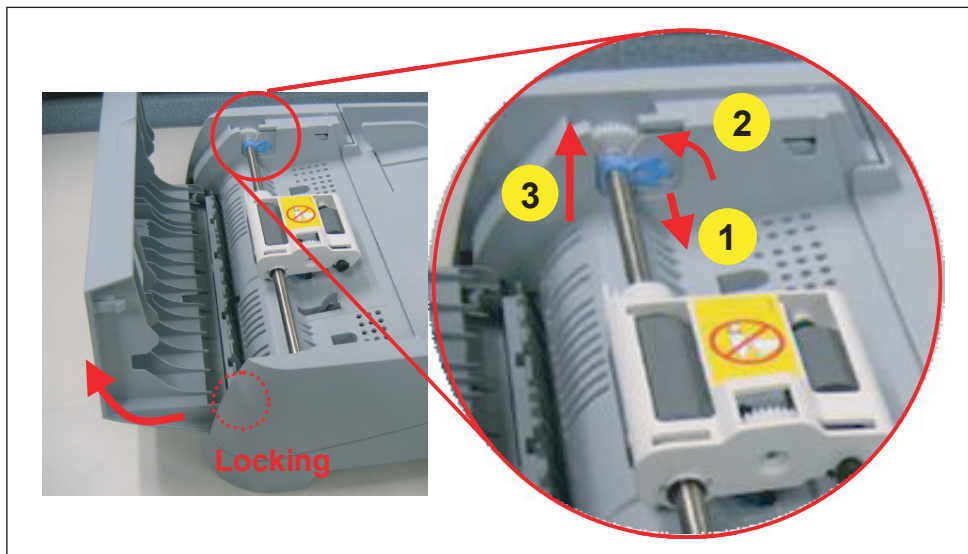


2. Lift up and release the Stacker TX



### 3.2.4.3 ADF Engine unit

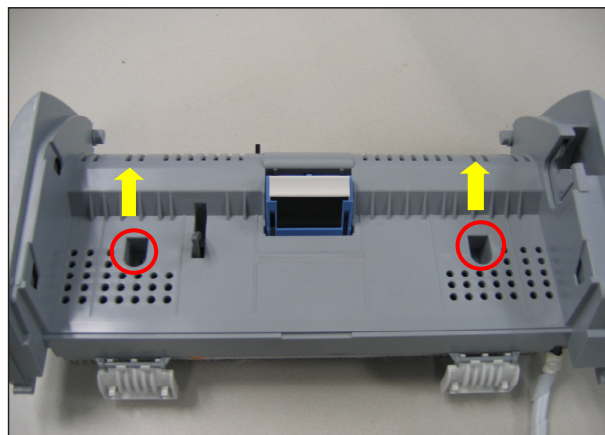
1. Open the ADF cover and remove it. And remove the pick-up roller by following below sequence.



2. Remove the ADF engine unit after remove the 2 screws from the bottom of SET.

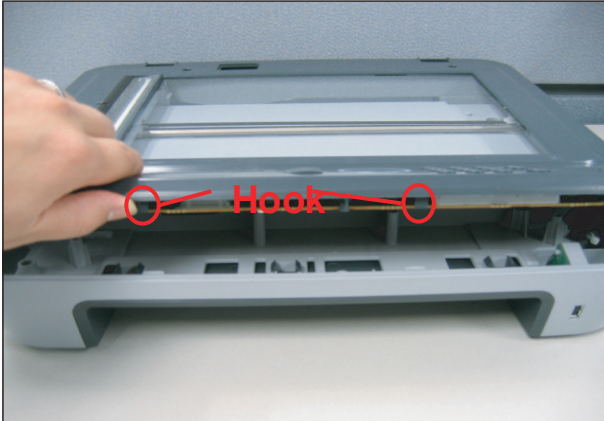


3. Remove the 2 screws of the ADF cover upper. And then lift it up.



### 3.2.4.4 OPE Unit

1. Pull up the OPE unit.

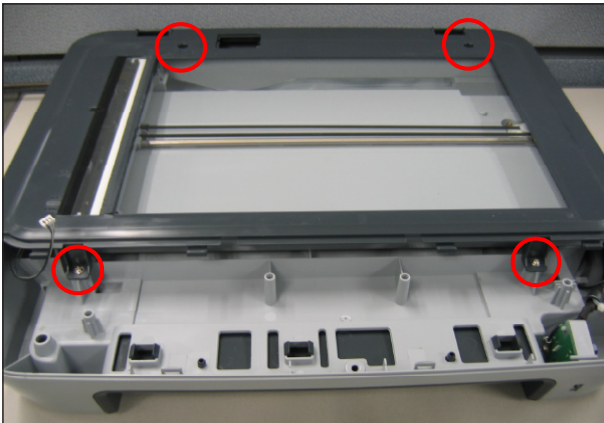


2. Remove the 2 connector and release the OPE unit.

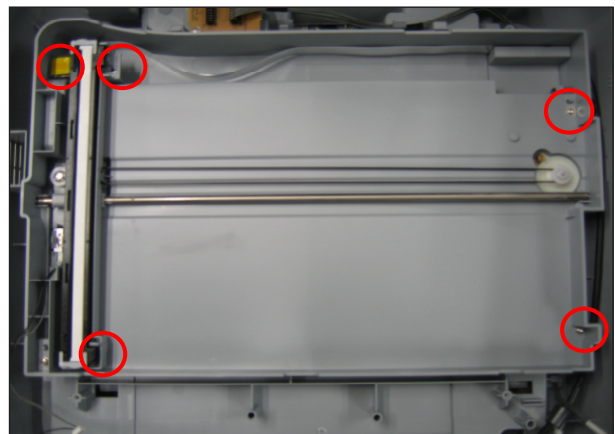


### 3.2.4.5 CIS Unit

1. Remove the 4 screws of the Scan upper.



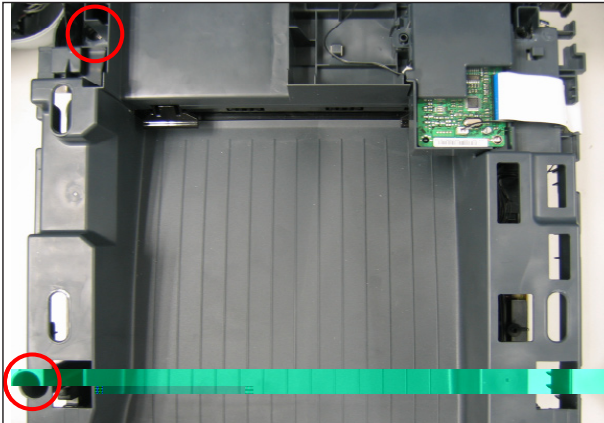
2. Remove the 4 screw and 1 CIS cable. And release the CIS unit.



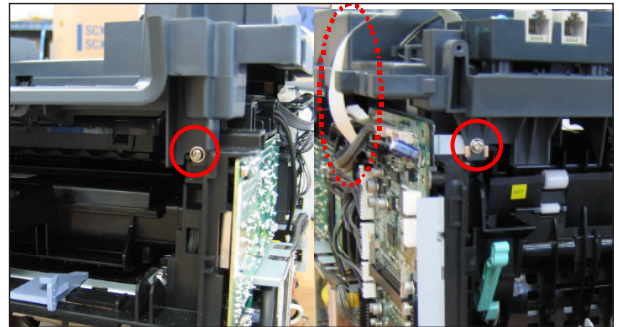


### 3.2.5 Middle Cover

1. Remove the 2 screws as shown below.

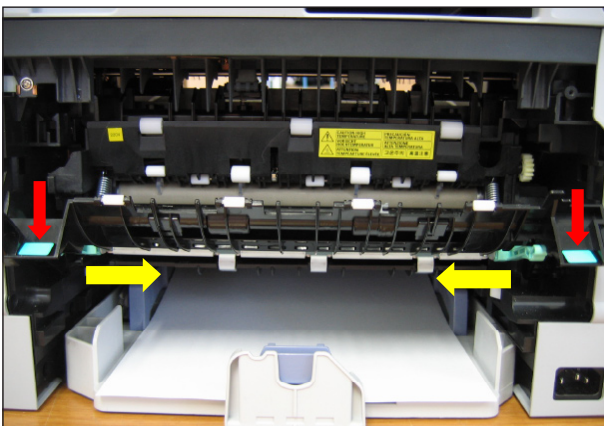


2. Remove the 2 screws from the front and rear of the SET. Unplug the harness connected to the main board. And lift the middle cover up.



### 3.2.6 Fuser

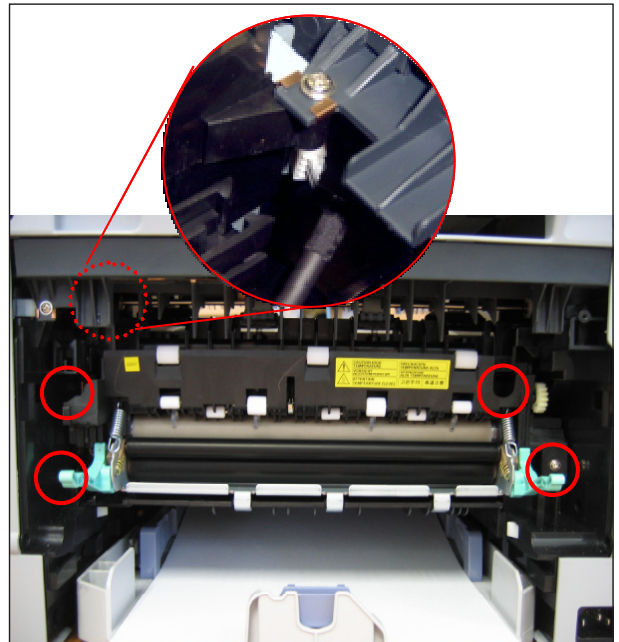
1. Remove the rear cover. Remove the Guide rear by pushing both side and removing the hinge.



#### CAUTION

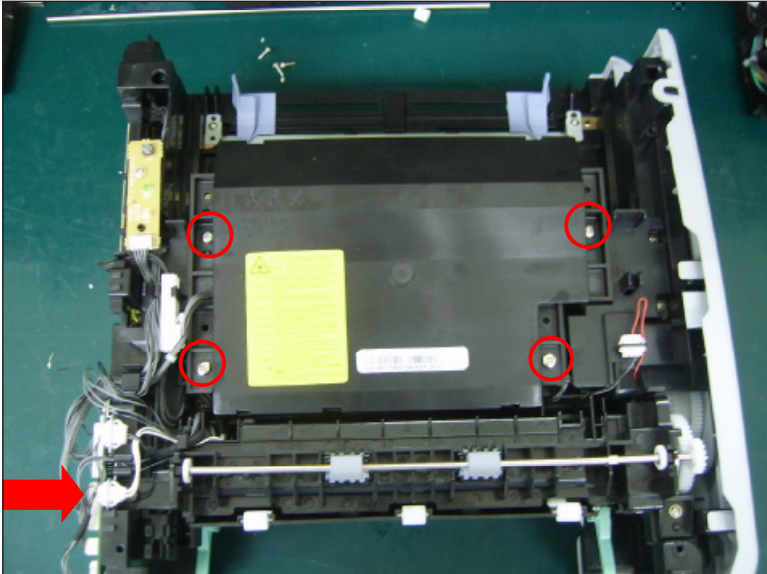
The fuser is very hot. So turn the printer off and wait until the printer to cool before replacing it.

2. Remove the 4 screw. And remove the fuser after remove the connector.



### 3.2.7 LSU

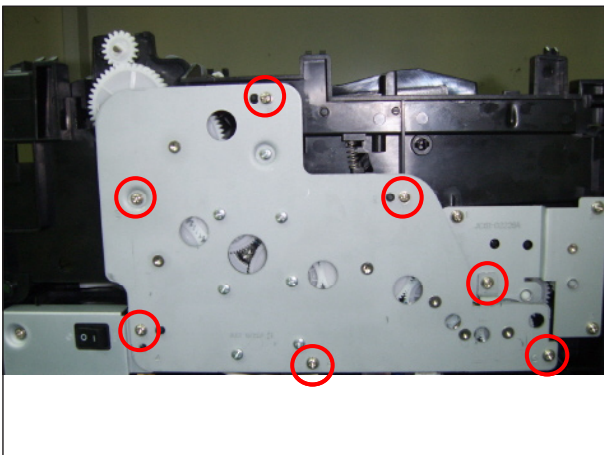
1. Release the LSU after remove the 4 screws and one connector.



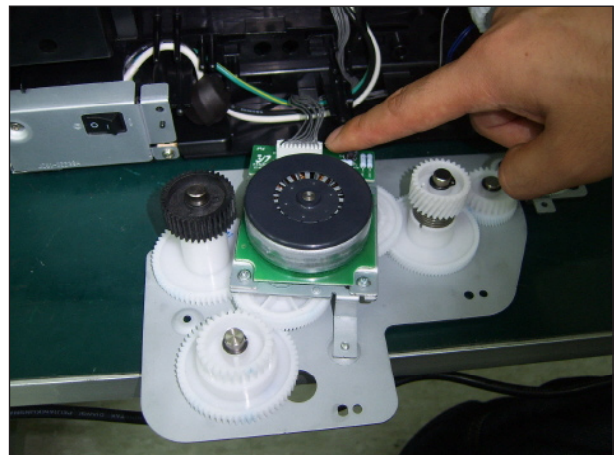
### 3.2.8 Main Drive Assy

- Before disassembly, remove the cassette, Cover front, Cover left, Cover rear.

1. Remove the rear cover. Remove the Guide rear by pushing both side and removing the hinge.



2. Remove the 4 screw. And remove the fuser after remove the connector.

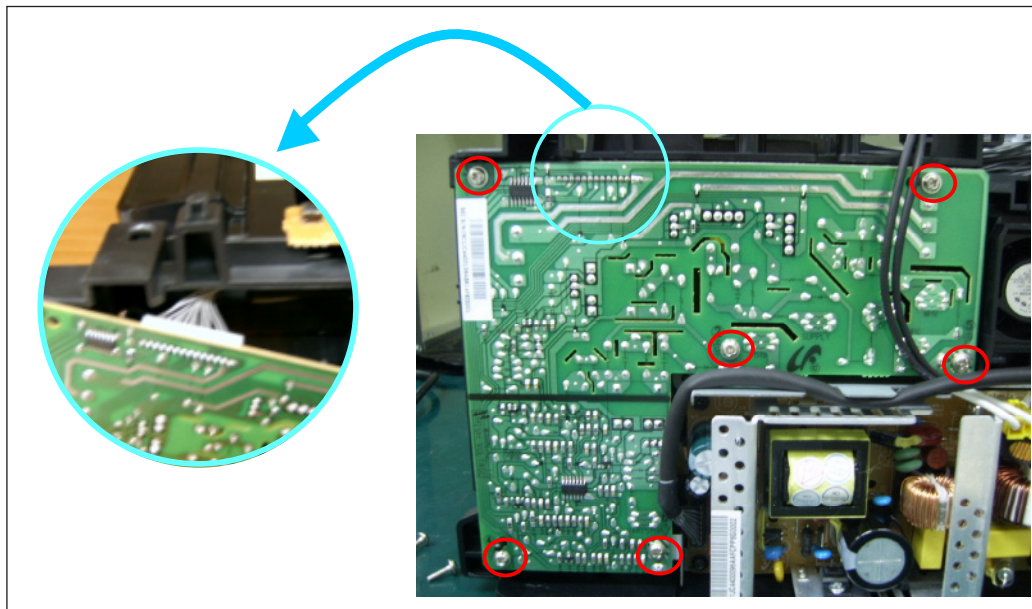




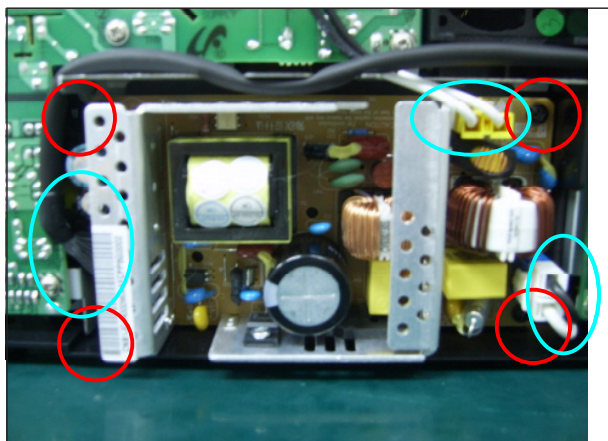
### 3.2.9 HVPS/SMPS/Main board

- Before disassembly, remove the cover front, cover rear, cover right.

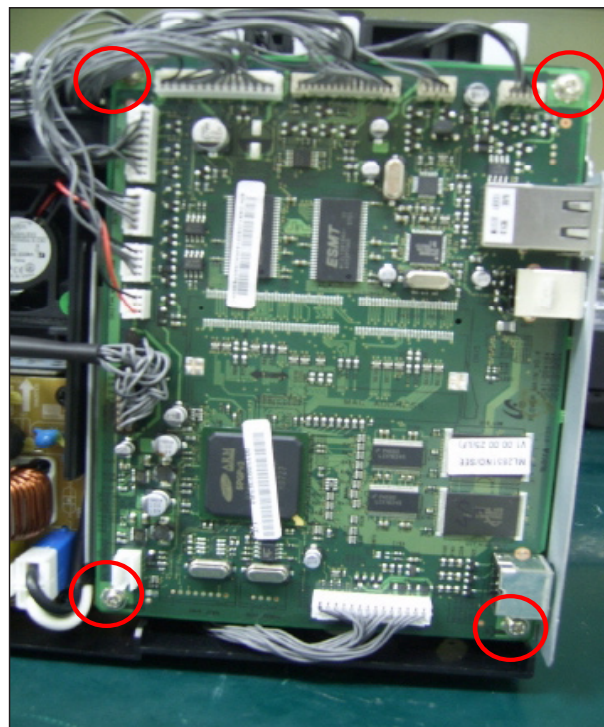
1. Release the HVPS board after remove the 6 screws and 1 connector.



2. Release the SMPS board after remove the 4 screws and 2 connector.

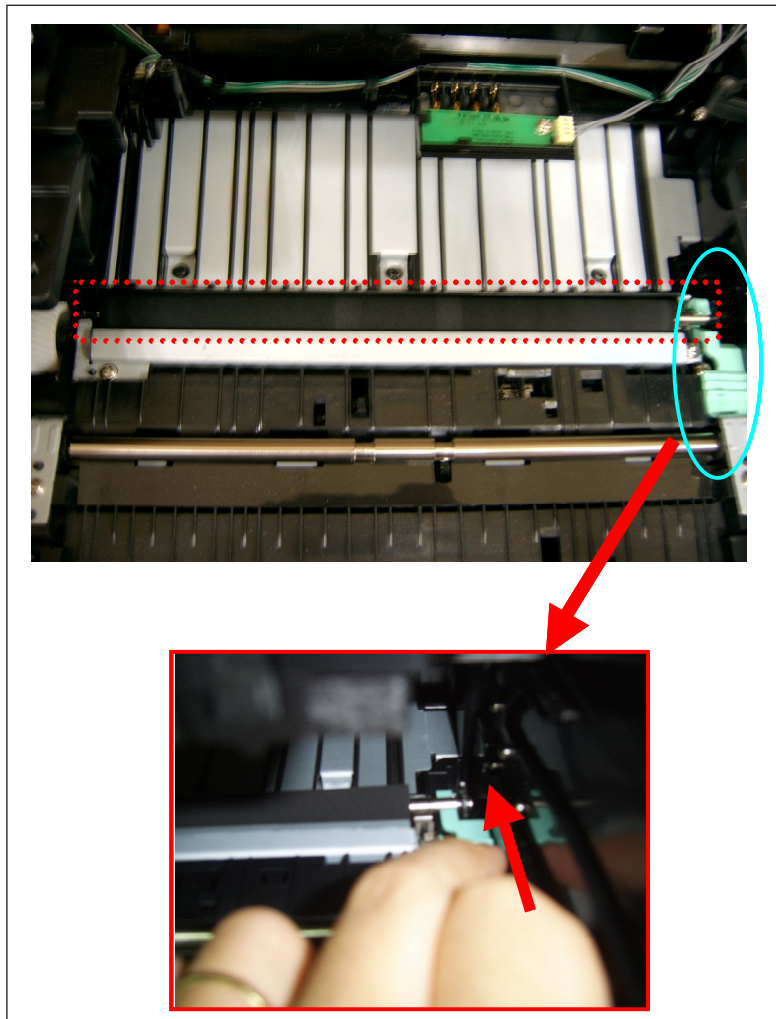


3. Release the Main board after remove the 4 screws and all harness.



### 3.2.10 Transfer roller

1. Push HOLDER-TRANSFER, which holds the transfer roller and remove the roller from set.

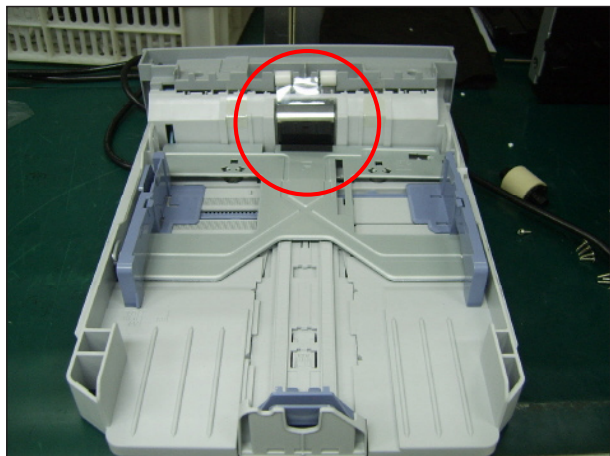


**Caution** - Be carefull not to touch the sponge of Transfer Roller.



### 3.2.11 Holder Pad unit

1. Remove the CASSETTE from SET.



2. Disassemble HOLER-PAD after putting out three HOOKs

