

## 3. Disassembly and Reassembly

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### 3.1. Precautions when replacing parts

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#### 3.1.1. Precautions when assembling and disassembling

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- Use only approved Samsung spare parts. Ensure that part number, product name, any voltage, current or temperature rating are correct. Failure to do so could result in damage to the machine, circuit overload, fire or electric shock.
- Do not make any unauthorized changes or additions to the printer, these could cause the printer to malfunction and create electric shock or fire hazards.
- Take care when dismantling the unit to note where each screw goes. There are 19 different screws. Use of the wrong screw could lead to system failure, short circuit or electric shock.
- Do not disassemble the LSU unit. Once it is disassembled dust is admitted to the mirror chamber and will seriously degrade print quality. There are no serviceable parts inside.
- Regularly check the condition of the power cord, plug and socket. Bad contacts could lead to overheating and fire. Damaged cables could lead to electric shock or unit malfunction.

#### 3.1.2. Precautions when handling PBA

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Static electricity can damage a PBA, always use approved anti-static precautions when handling or storing a PBA.

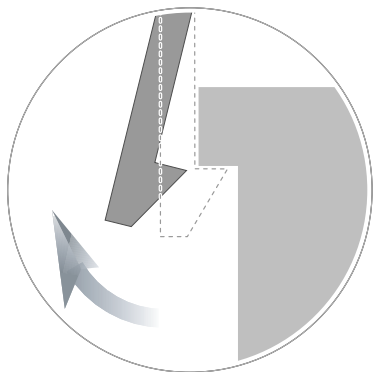
- **Precautions when moving and storing PBA**
  - 1) Please keep PBA in a conductive case, anti-static bag, or wrapped in aluminum foil.
  - 2) Do not store a PBA where it is exposed to direct sunlight.
- **Precautions when replacing PBA**
  - 1) Disconnect power connectors first, before disconnecting other cables.
  - 2) Do not touch any soldered connections, connector terminals or other electronic parts when handling insulated parts.
- **Precautions when checking PBA**
  - 1) Before touching a PBA, please touch other grounded areas of the chassis to discharge any static electrical charge on the body.
  - 2) Take care not to touch the PBA with your bare hands or metal objects as you could create a short circuit or get an electric shock. Take extra care when handling PBAs with moving parts fitted such as sensors, motors or lamps as they may get hot.
  - 3) Take care when fitting, or removing, screws. Look out for hidden screws. Always ensure that the correct screw is used and always ensure that when toothed washers are removed they are refitted in their original positions.

### 3.1.3. Releasing Plastic Latches

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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.



## 3.2. Screws used in the printer

The screws listed in the table below are used in this printer. Please ensure that, when you disassemble the printer, you keep a note of which screw is used for which part and that, when reassembling the printer, the correct screws are used in the appropriate places.



### NOTE

This list may differ from your machine depending on its model. This list is based on M2070FW.

Part Code	Location	Description	Qty
6003-000196	FRAME	SCREW-TAPTYPE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	20
6003-000269	FRAME	SCREW-TAPTYPE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	13
6006-001078	FUSER	SCREW-TAPTYPE;PH,+,WSP,B,M3,L10,ZPC(WHT),SWRCH18A	1
6003-000269	FUSER-LOWER	SCREW-TAPTYPE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000196	FUSER-UPPER	SCREW-TAPTYPE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1
6003-000264	FUSER-UPPER	SCREW-TAPTYPE;PWH,+,-,B,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000283	FUSER-UPPER	SCREW-TAPTYPE;BH,+,-,B,M3,L8,ZPC(WHT),SWRCH18A,-	5
6003-000269	FRAME-MAIN LEFT	SCREW-TAPTYPE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	6
6003-000283	FRAME-MAIN LEFT	SCREW-TAPTYPE;BH,+,-,B,M3,L8,ZPC(WHT),SWRCH18A,-	2
6002-000308	FRAME MAIN-RIGHT	SCREW-TAPTYPE;PH,+,-,B,M2.6,L6,ZPC(WHT),SWRCH18A,-	4
6003-000269	FRAME MAIN-RIGHT	SCREW-TAPTYPE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000269	FRAME MAIN-MIDDLE	SCREW-TAPTYPE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	5
6003-000283	LSU	SCREW-TAPTYPE;BH,+,-,B,M3,L8,ZPC(WHT),SWRCH18A,-	5
6003-000269	FRAME-FEED IDLE	SCREW-TAPTYPE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000196	MFA	SCREW-TAPTYPE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	3
6003-000282	SCANNER	SCREW-TAPTYPE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	4
6003-000196	PLATEN	SCREW-TAPTYPE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	5
6003-000196	PLATEN-LOWER	SCREW-TAPTYPE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	4
6003-000269	DRIVE-PLATEN	SCREW-TAPTYPE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000196	OPE	SCREW-TAPTYPE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	4
6003-000196	MAINLINE	SCREW-TAPTYPE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	13
6003-000196	WIRELESS	SCREW-TAPTYPE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1
6003-000269	MAINLINE	SCREW-TAPTYPE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	16

### 3.3. Replacing the Main SVC parts



#### NOTE

The color of machine may differ from your machine depending on its model.

#### 3.3.1. Right and Left cover

1. Remove 2 screws from the rear.



3. Release the left cover.



2. Release the right cover.



### 3.3.2. Scanner Unit

1. Remove the right cover. (Refer to 3.3.1)
2. Unplug the connectors connecting the scanner unit on the main board.



3. Open the Scanner Unit.



4. Release the scanner hinge while pushing the platen bottom connecting it.



5. Lift up and release the Scanner Unit.



### 3.3.3. ADF Unit

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1. Remove the harness cover. Unplug the connector. And release the ADF Unit.

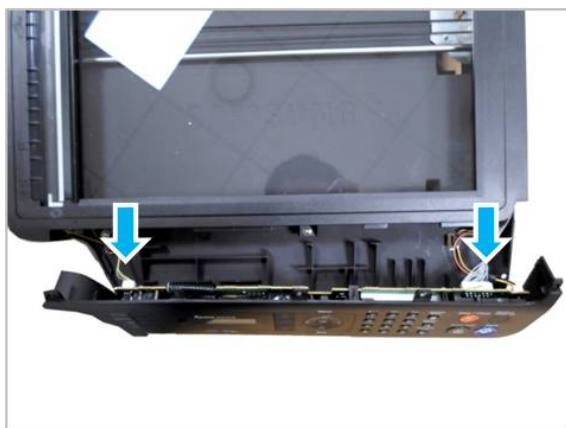


### 3.3.4. OPE Unit

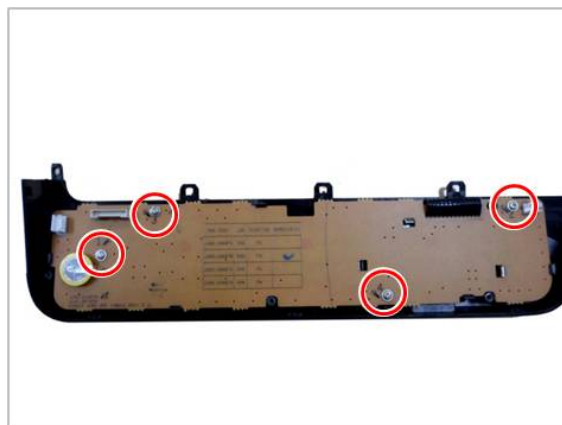
1. Pull up the OPE unit to release the hooks.



2. Unplug 3 connectors from the OPE board.



3. Release the OPE board after removing 4 screws.





### 3.3.5. CIS Unit and Scan Drive Unit

1. Remove the Scanner Unit / ADF Unit / OPE Unit.  
(Refer to 3.3.2~ 3.3.4.)

2. Remove 2 screws from the bottom of the platen.



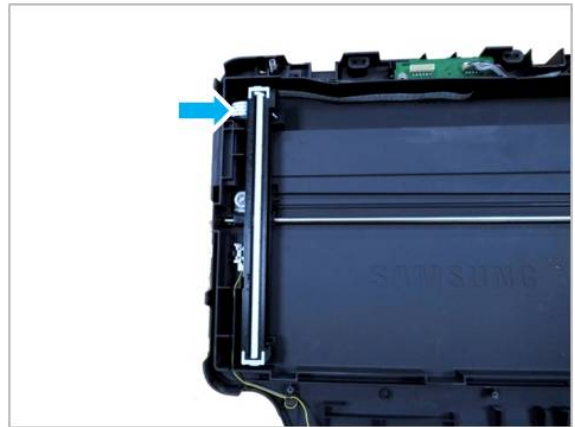
3. Remove 3 screws.



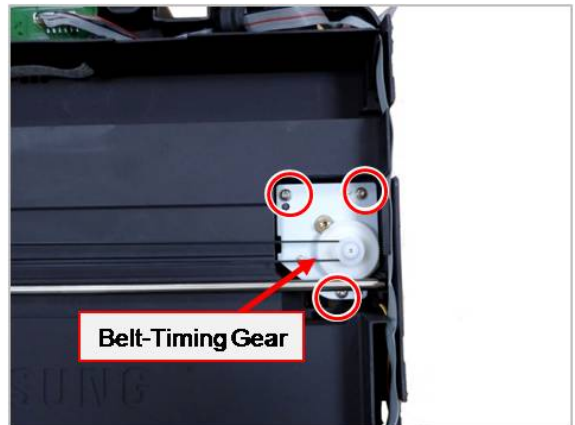
4. Remove the platen upper from the platen lower.



5. Unplug the CIS flat cable. Release the CIS Unit.



6. Release the Belt-Timing Gear. Remove 3 screws. And release the Scan Drive Unit.



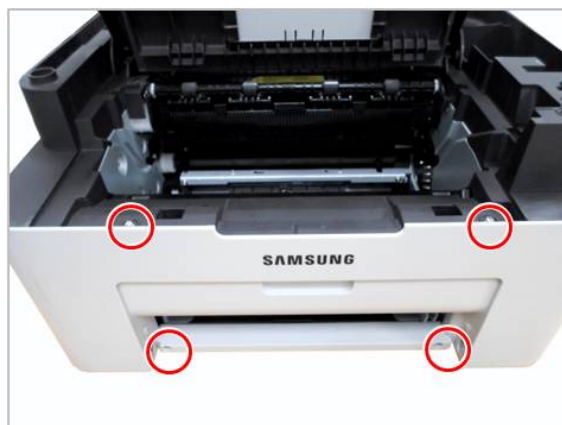


### 3.3.6. Front Cover

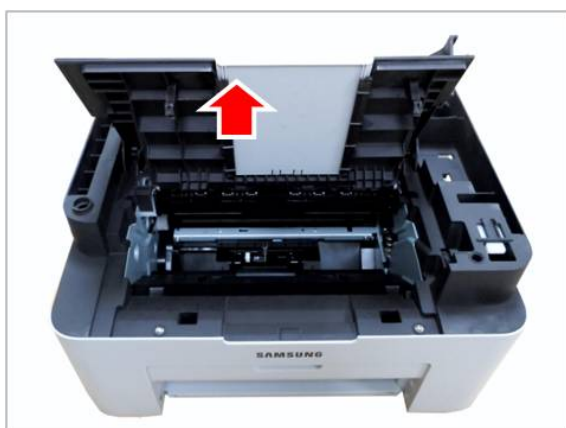
1. Remove the Cover-Cassette.



3. Remove 4 screws.



2. Open the toner cover.



4. Remove the front cover.



### 3.3.7. Middle Cover

1. Remove the scanner unit. (Refer to 3.3.2.)
2. Remove the right cover and front cover.
3. Remove the toner cover.



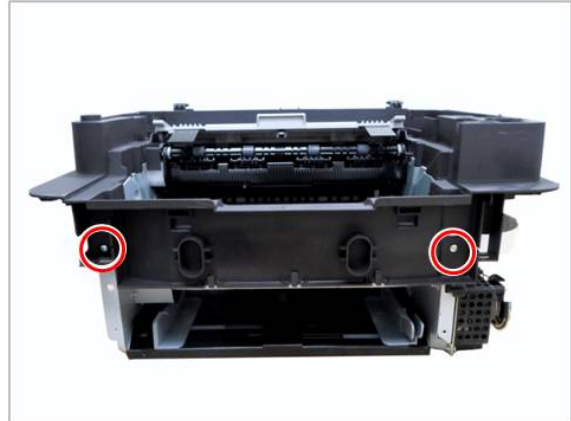
4. Remove the exit jam cover by pulling it from the holder.



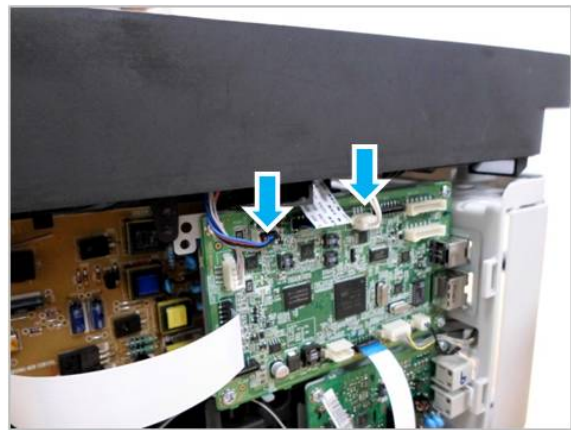
5. Remove 2 screws from the top.



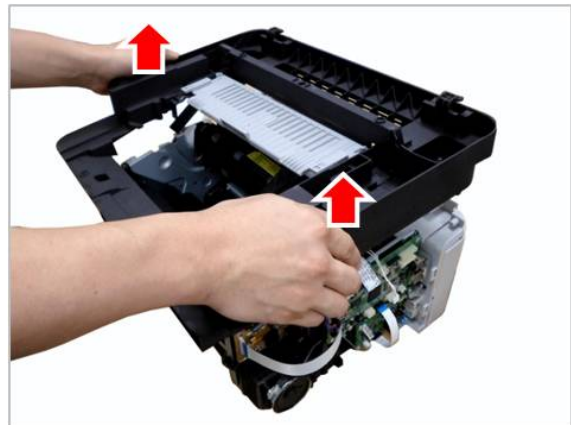
6. Remove 2 screws from the front.



7. Unplug the connectors from the main board.

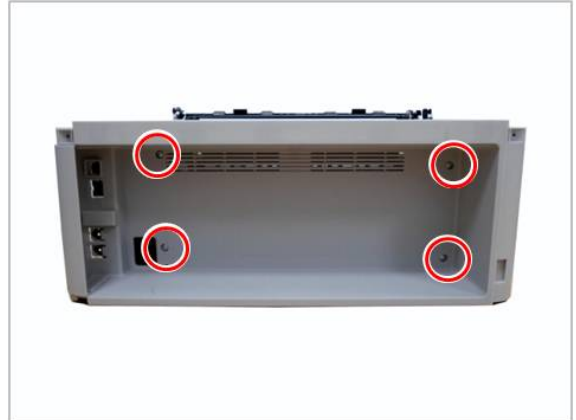
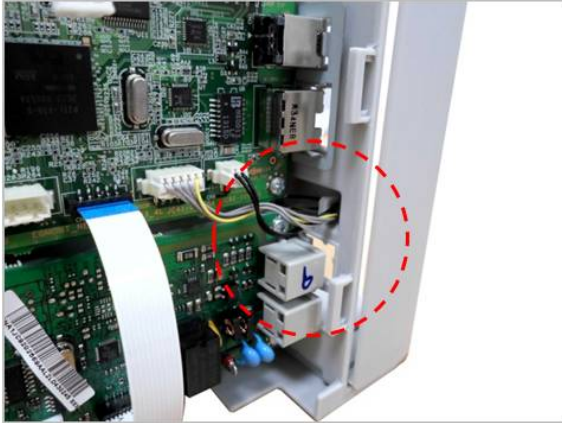


8. Lift up and release the middle cover.



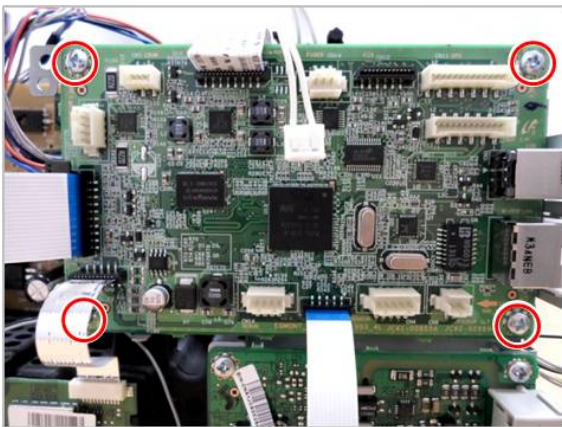
### 3.3.8. Rear Cover

1. Release the connectors from the rear cover.
2. Release the rear cover after removing 4 screws.



### 3.3.9. Main board

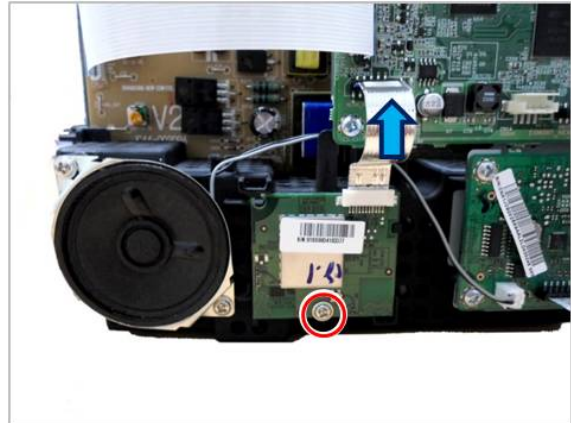
1. Unplug all connectors on the main board.
2. Remove 4 screws.
3. Release the main board.



### 3.3.10. WLAN board

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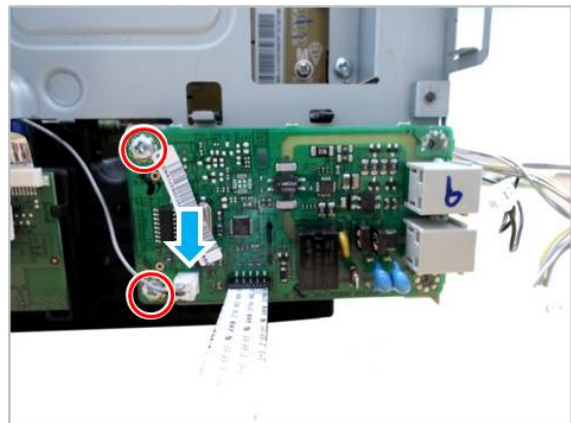
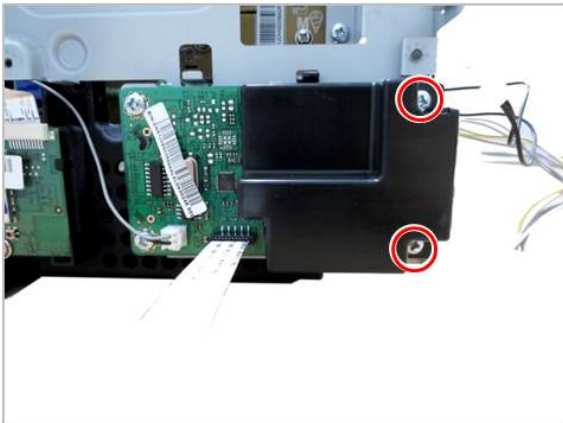
1. Unplug the flat cable.
2. Remove 1 screw.
3. Release the WLAN board.



### 3.3.11. Fax board

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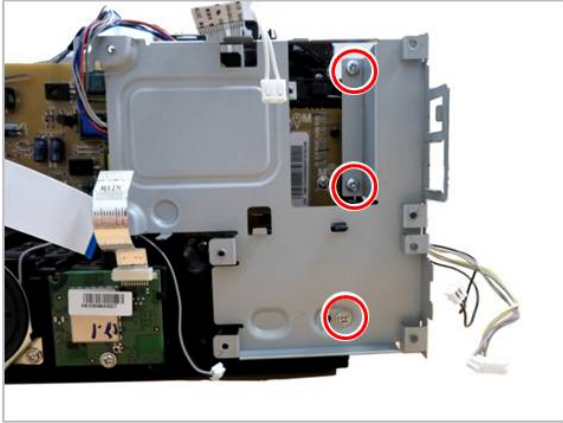
1. Remove the fax cover after removing 2 screws.
2. Unplug all cables. Release the fax board after removing 2 screws.



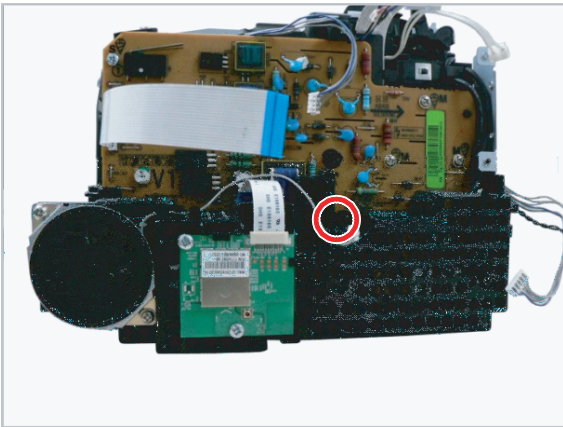


### 3.3.12. SMPS/HVPS board

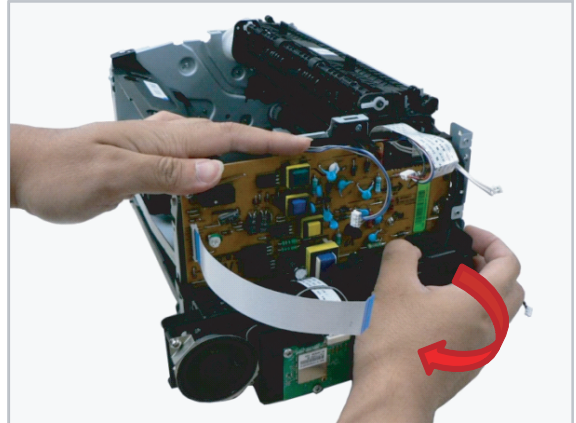
1. Remove the main board and fax board.
2. Remove the shield-controller after removing 3 screws.



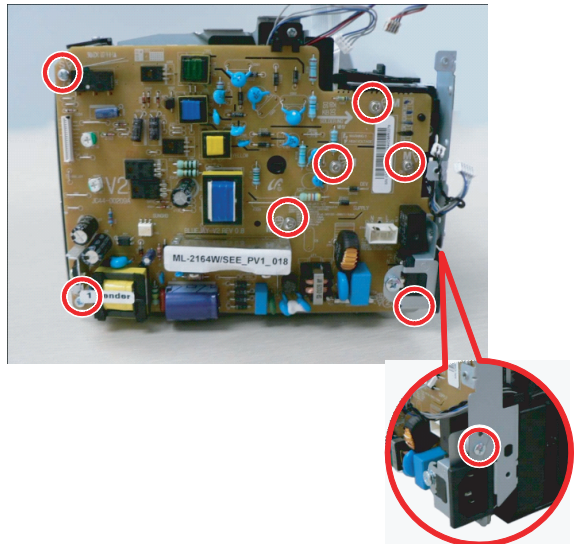
3. Remove 1 screw securing the SMPS cover.



4. Remove the SMPS cover.



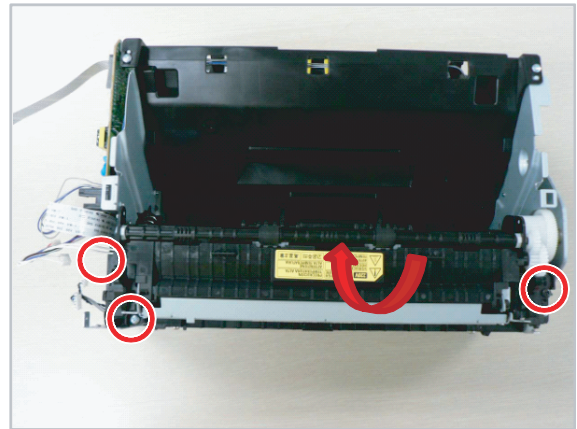
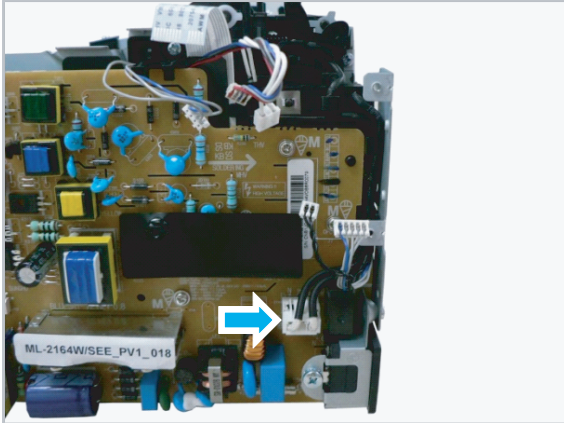
5. Release the SMPS/HVPS board after removing 8 screws.



### 3.3.13. Fuser Unit

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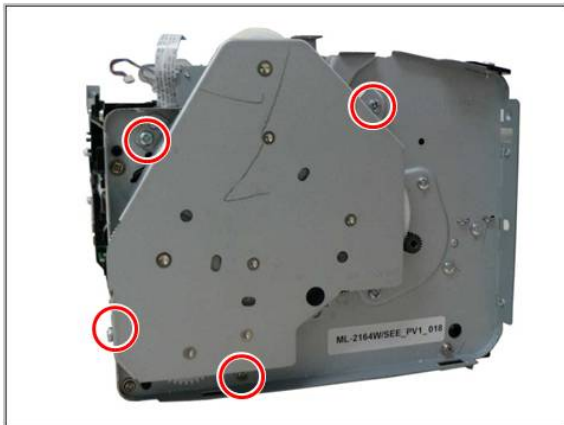
1. Remove the main board. (**Refer to 3.3.9**)
2. Unplug the fuser connector.
3. Release the fuser unit after removing 3 screws.



### 3.3.14. Drive Unit

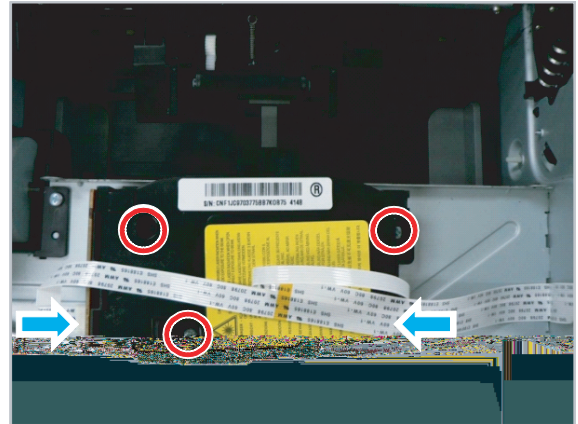
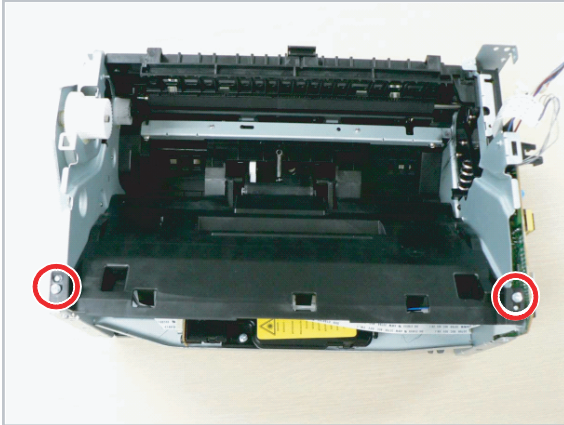
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1. Release the Drive Unit after removing 4 screws.

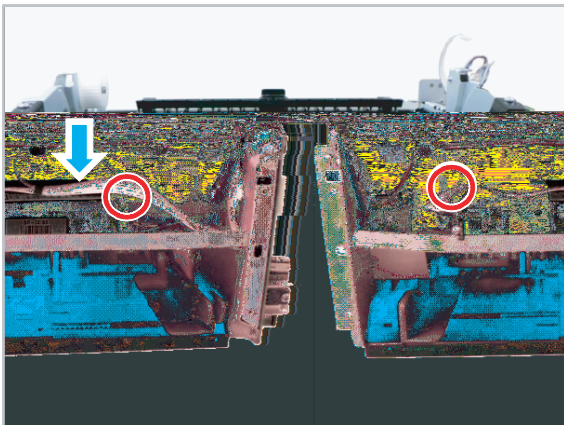


### 3.3.15. LSU

1. Remove all covers.
2. Remove 2 screws securing the LSU cover.
4. Unplug 2 flat cables. Remove 3 screws. And release the LSU.



3. Remove 2 screws securing the LSU cover. Unplug the motor connector. And release the LSU cover.

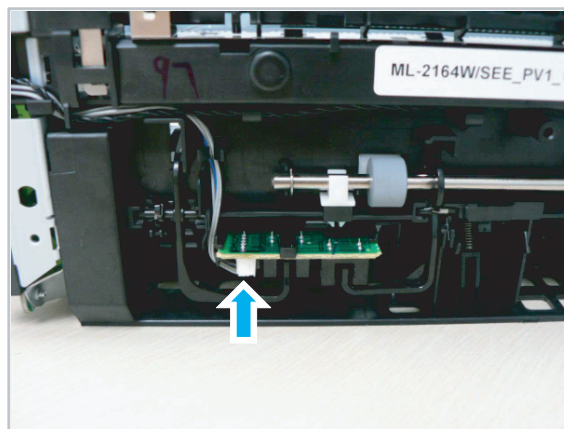




### 3.3.16. Feed Sensor PBA

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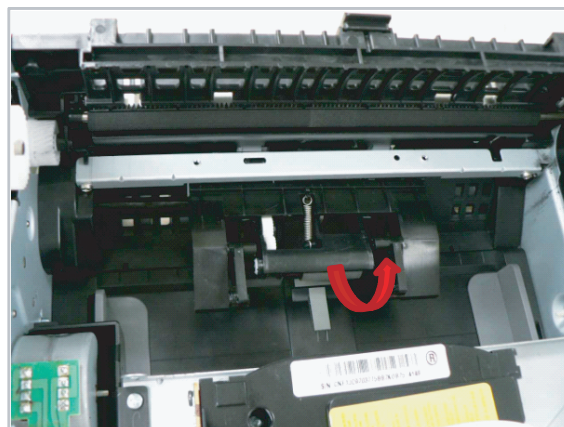
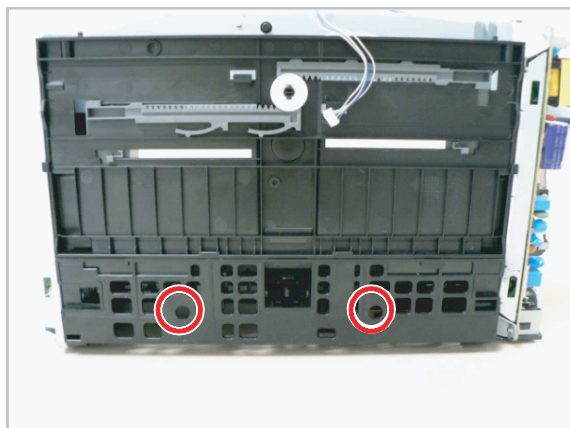
1. Remove the rear cover. (Refer to 3.3.8)
2. Unplug the connector after releasing the Feed Sensor PBA.



### 3.3.17. Pick up roller

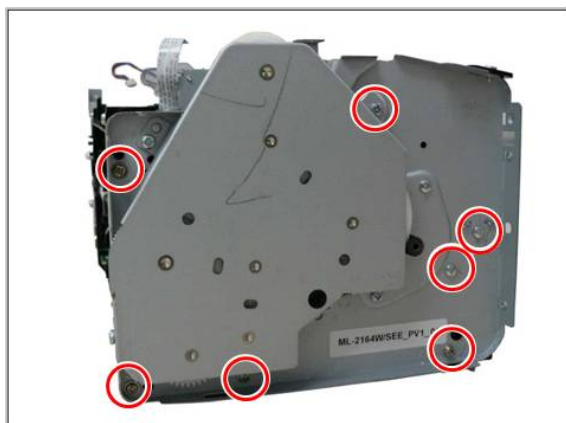
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1. Remove 2 screws from the bottom.
2. Release the pick up roller.

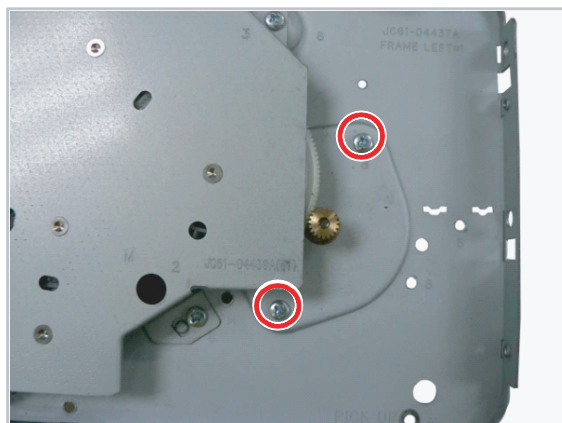


### 3.3.18. Motor

1. Release the left frame after removing 7 screws.



2. Release the motor after removing 2 screws.



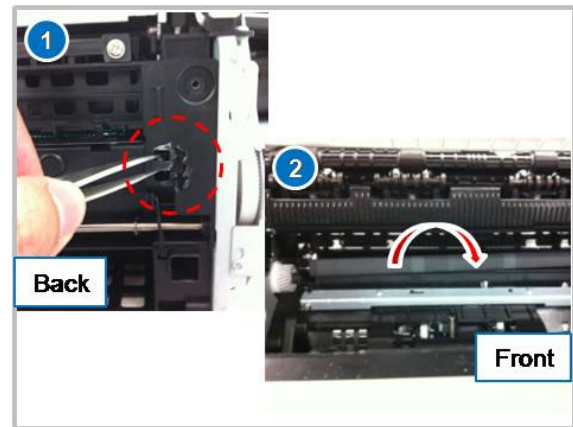
### 3.3.19. Transfer roller

1. Remove the toner cartridge.
2. Release the left and right cover after removing 2 screws. (Refer to 3.3.1.)
3. Unplug the connectors on main board. Release the scanner hinge. And release the scanner unit. (Refer to 3.3.2.)



4. Release the middle cover and rear cover. (Refer to 3.3.7 ~ 3.3.8.)

5. Push the Bush-TR from the rear and remove the Transfer roller from the front.



6. When reassembling it, push the bush-TR in two direction like below picture.

