

3. Maintenance and Disassembly



Introduction

To avoid print quality and paper feed problems resulting from worn parts and to maintain your machine in top working condition the following items will need to be replaced after the specified number of pages or when the life span of each item has expired.




3.1 Maintenance

3.1.1 Precautions on Maintenance

■ Replacing

-  The fuser is very hot. So turn the printer off and wait until the printer to cool before replacing it.
-  To avoid the print quality problems, do not touch the surface of rollers.
(transfer roller, pick up roller, feed roller, Cartridge transfer Unit, Imaging Unit)

■ Cleaning

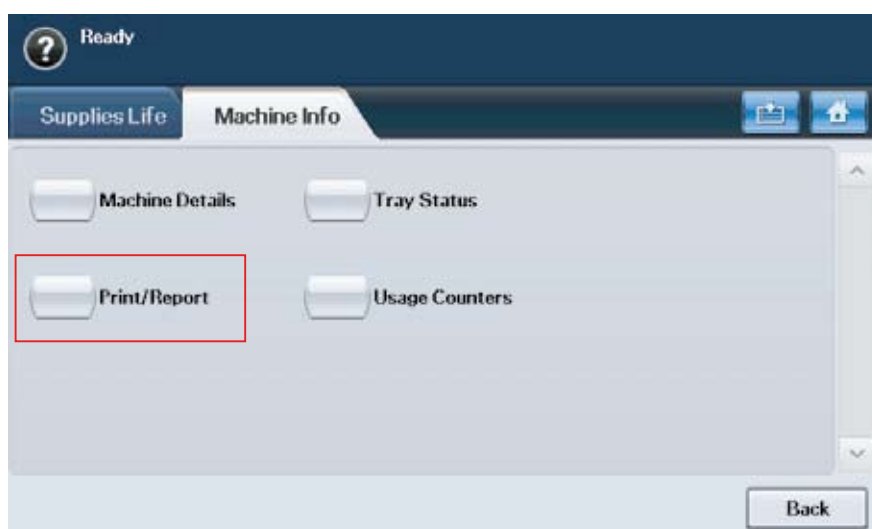
- Make sure the power cord is unplugged before the cleaning.
 - Do not use flammable liquid cleaner or spray products for cleaning.
 - Avoid making scratches while cleaning the parts.
 - Avoid direct contact by hand on the Transfer Roller.
-  Avoid exposing inner parts for a long duration of time.
 -  The surface of OPC drum in Imaging Unit can be affected by direct light if exposed for a long time.
(1~2 minutes is enough time for cleaning)
 -  The OPC surface of Imaging Unit and belt surface of Cartridge transfer unit must not be scratched.

3.1.2 Check the consumables life

3.1.2.1 Printing Machine report

You can see the consumables life by printing a machine report.

1. Press the Machine setup button on the control panel.
2. Press Machine Status>the Machine Info tab>Print/Report
3. Select the report type, then the right side of the screen shows the list to print.
4. Select the list to print.



3.1.2.2 Monitoring the supplies life

If you want to view the consumables life, follow the next step.

1. Press the Machine Setup button on control panel.
2. Press the Machine Status
3. Scroll down to browse the entire supplies with list view the percentage remaining.

 A screenshot of the printer's control panel interface showing the 'Supplies Life' tab. It displays a table with three columns: 'Supply', 'Measure', and 'Count'. The table lists various consumables and their remaining page counts.

Supply	Measure	Count
Toner Cartridge - C	Page Count	60
Toner Cartridge - M	Page Count	80
Toner Cartridge - Y	Page Count	90
Toner Cartridge - K	Page Count	100
Imaging Unit - C	Page Count	0
Imaging Unit - M	Page Count	0

 A 'Back' button is visible at the bottom right of the screen.

3.1.3 Consumables (CRU : Customer Replacement Unit)

Model Name	Description	Life	Image
CLX-C8385A	Toner Cartridge (Cyan)	15K Pages	
CLX-M8385A	Toner Cartridge (Magenta)	15K Pages	
CLX-Y8385A	Toner Cartridge (Yellow)	15K Pages	
CLX-K8385A	Toner Cartridge (Black)	20K Pages	
CLX-R8385C	Imaging Unit (Cyan)	30K Pages	
CLX-R8385M	Imaging Unit (Magenta)	30K Pages	
CLX-R8385Y	Imaging Unit (Yellow)	30K Pages	
CLX-R8385K	Imaging Unit (Black)	30K Pages	
CLX-W8380A	Waste toner container	48K Images	

Note

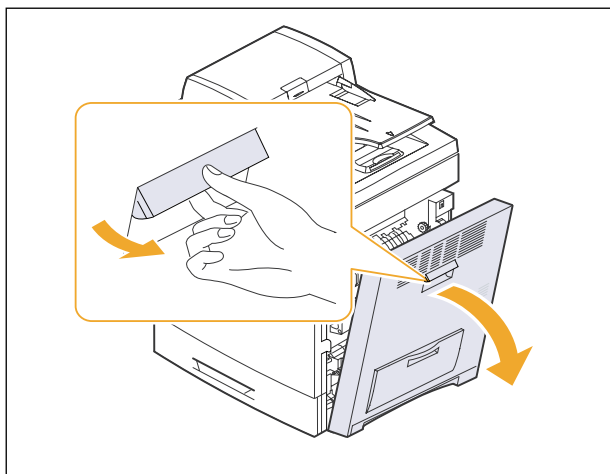
- Declared yield value in accordance with ISO/IEC 19798.
For ISO/IEC 19798 standard pages, refer to section 3 of chapter 6.
- Image counts are based on one color on each page. If you print documents in full color (Yellow, Magenta, Cyan, Black), the image count will be added by 4 images.

3.1.4 Replacing the Consumables

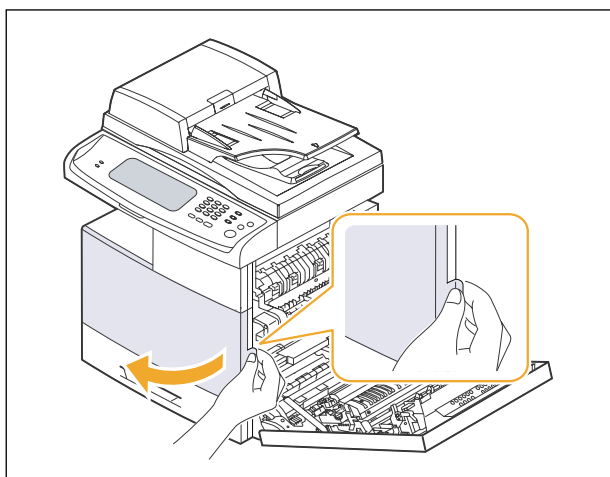
3.1.4.1 Replacing the toner cartridge

1. Turn the machine off, then wait a few minutes for the machine to cool.

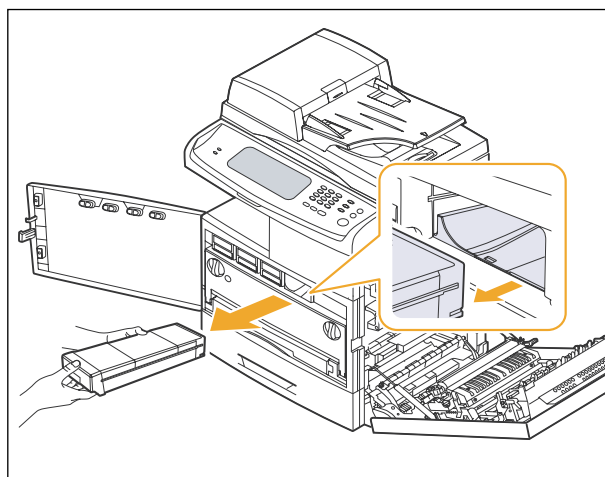
2. Open the side cover.



3. Open the front cover.

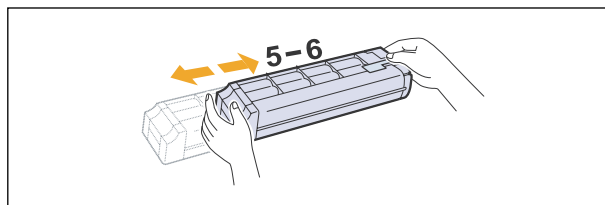


4. Pull the corresponding toner cartridge out from the machine.

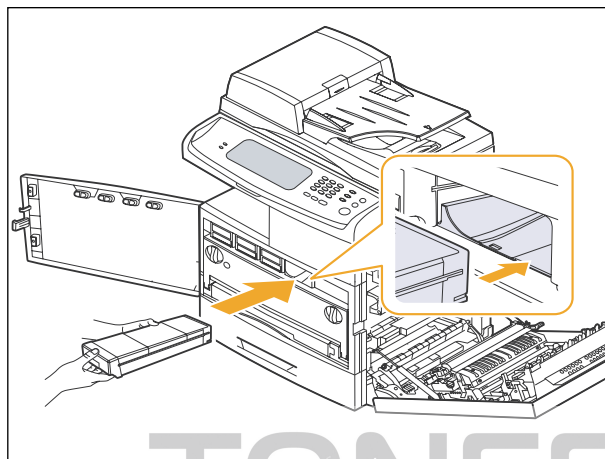


5. Remove the new toner cartridge from its bag.

6. Thoroughly roll the new cartridge five or six times to distribute the toner evenly inside the cartridge.



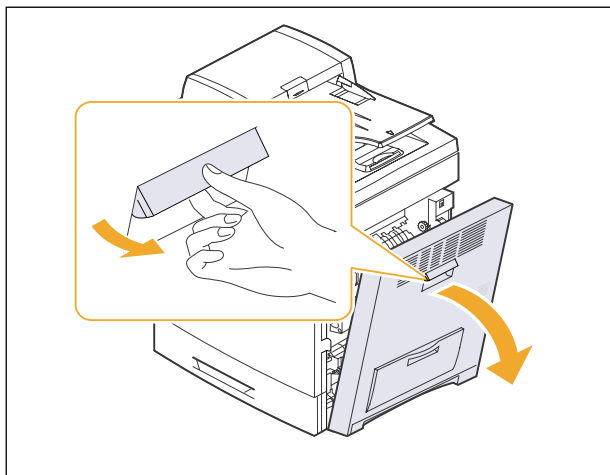
7. Hold the new toner cartridge by the handle and slide the new toner cartridge in until it locks in place.



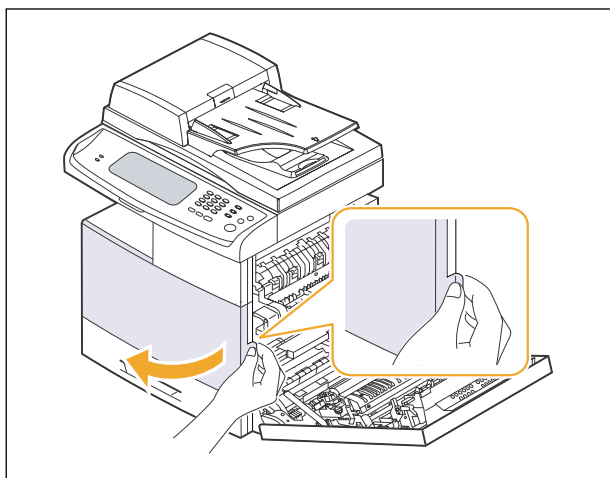
8. Close the front cover, then the side cover.
9. Make sure that the cover is securely latched and then turn the machine on.

3.1.4.2 Replacing the imaging unit

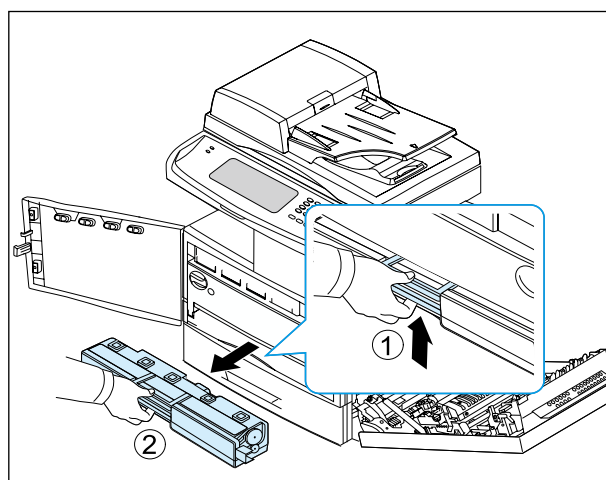
1. Turn the machine off, then wait a few minutes for the machine to cool.
2. Open the side cover.



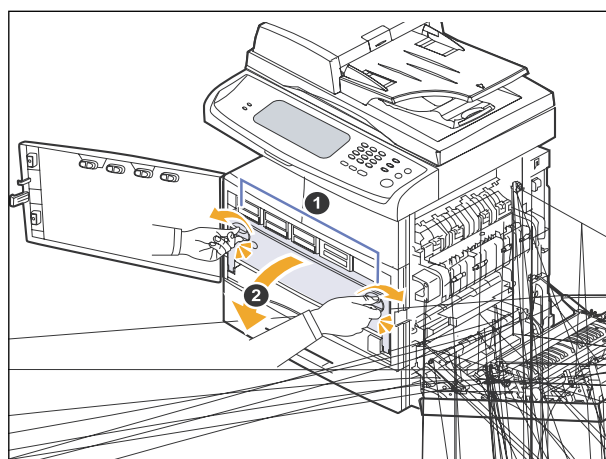
3. Open the front cover.



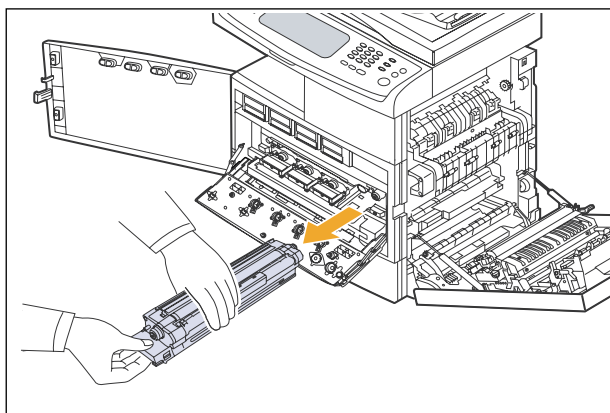
4. Pull the waste toner container out of the machine using its handle.



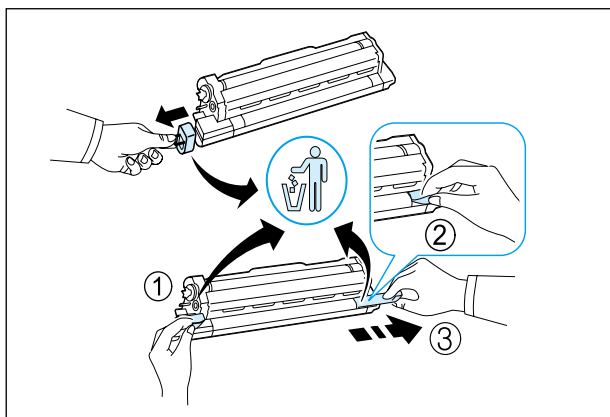
5. Turn the imaging unit locking levers outwards to release and open the inner cover.



6. Pull the used imaging unit out of the machine using the handle on its bottom.

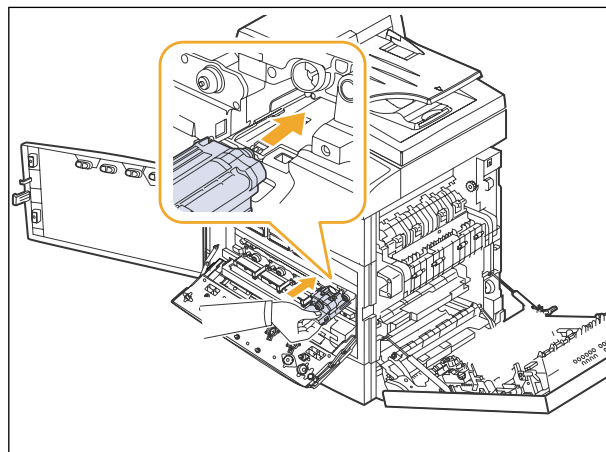


7. Remove the new imaging unit from its bag.
8. Remove the paper protecting the surface of the imaging unit.
9. Remove the cap, and carefully pull the seal tapes out of the imaging unit.

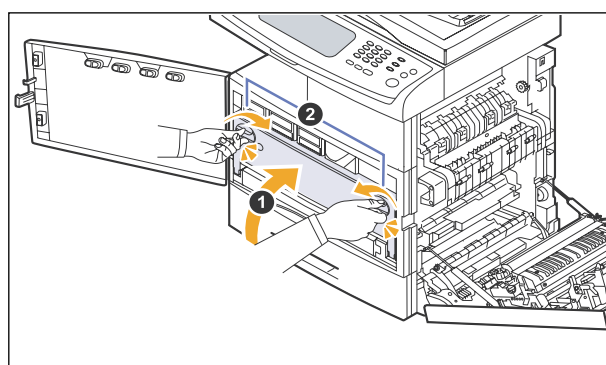


10. Thoroughly shake the new imaging unit side to side five or six times.

11. Labels inside the machine identify each imaging unit's position. Holding the handles on the new imaging unit, push the imaging unit until it locks in place.



12. Turn the imaging unit locking levers inwards until it locks in place and close the inner cover.

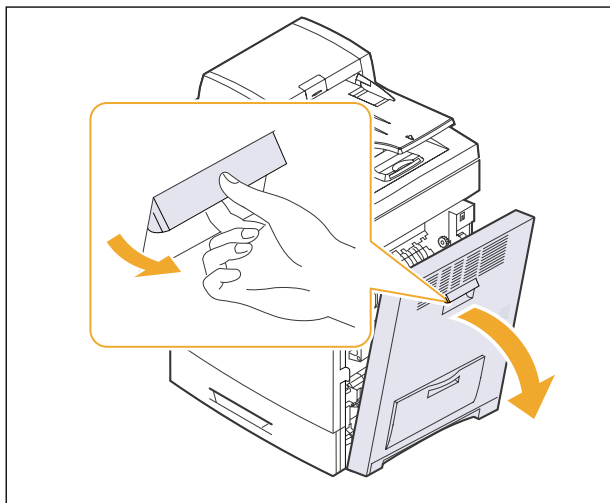


13. Insert the waste toner container into position and then push it to make sure that it is firmly seated in place.
14. Close the front cover, then the side cover.
15. Make sure that the cover is securely latched and then turn the machine on.

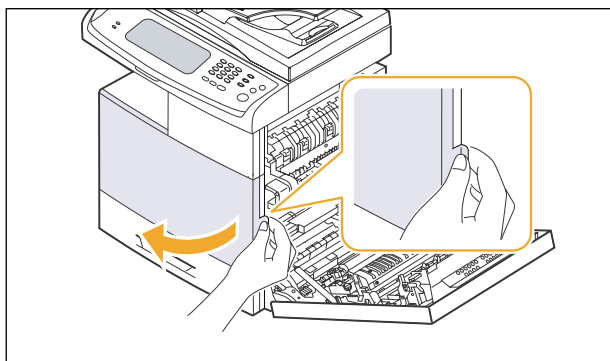
3.1.4.3 Replacing the waste toner container

1. Turn the machine off, then wait a few minutes for the machine to cool.

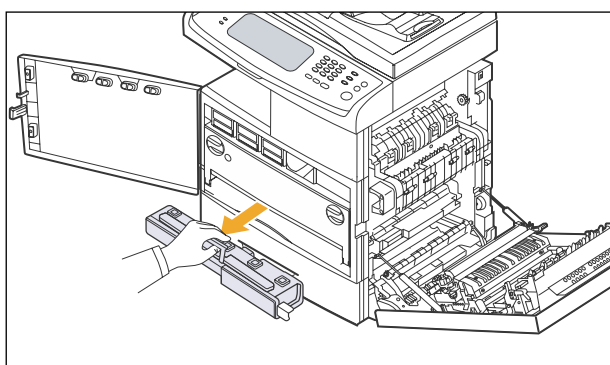
2. Open the side cover.



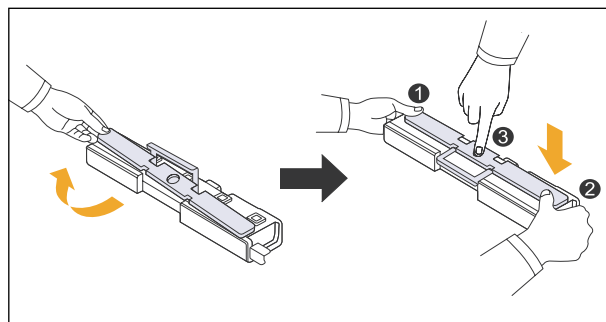
3. Open the front cover.



4. Pull the waste toner container out of the machine using its handle.



5. Remove the container's cap from the container as shown below, and use it to close the waste toner container openings.



6. Take a new waste toner container out of its package.

7. Insert the new container into position and then push it to make sure that it is firmly seated in place.

8. Close the front cover firmly.

9. Turn the machine on.

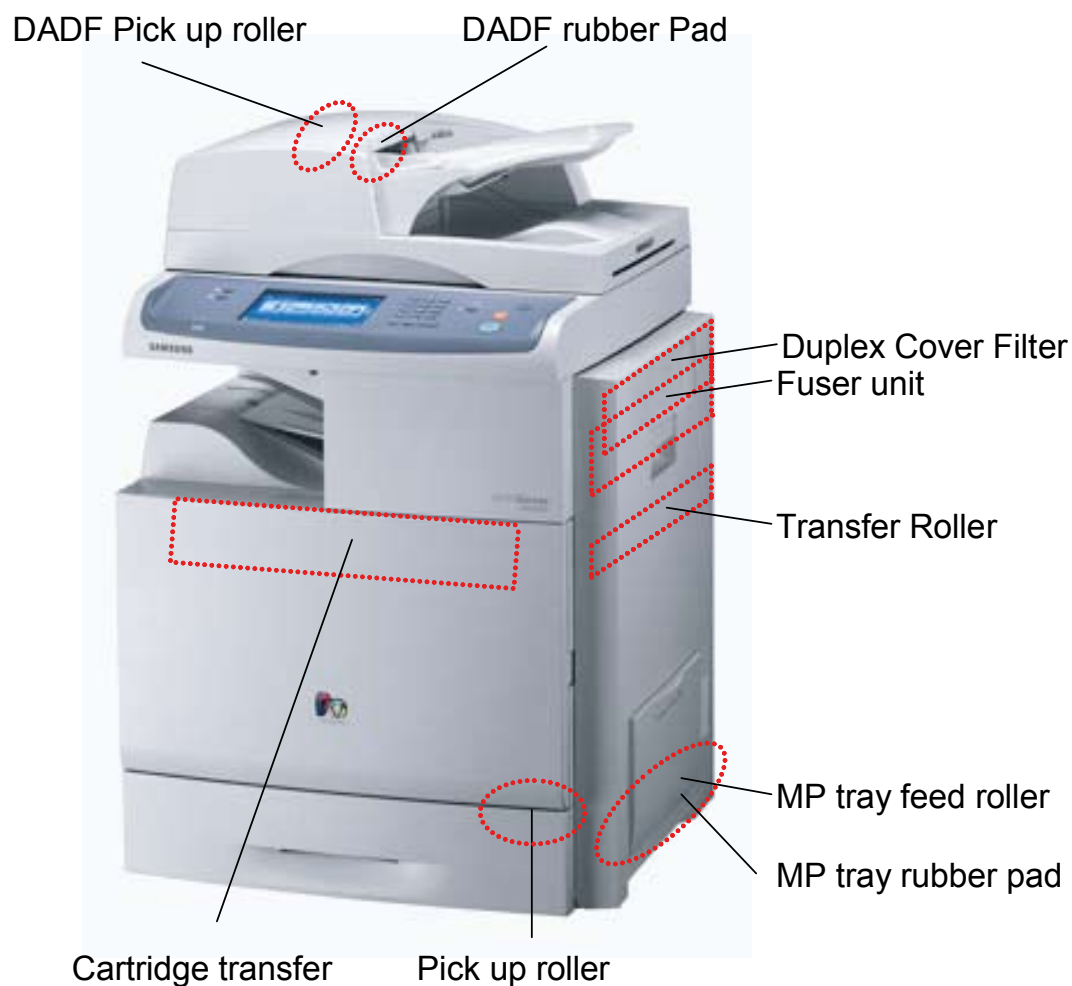
3.1.5 Maintenance Parts (FRU : Field Replacement Unit)

Sec_Code	Description	Life	Image
JC96-04601A	CARTRIDGE-TRANSFER (ITB)	100K	
JC97-02934A	MEA UNIT-TR (Transfer roller Assy)	100K	
JC96-04867A (110V) JC96-04868A (220V)	ELA UNIT-FUSER LV ELA UNIT-FUSER HV	100K	
JC97-03097A	MEA-HOLDER ADF RUBBER	20K	
JC97-03099A	MEA-PICK UP (DADF pick up Assy)	200K	
JC97-02260A	MEA UNIT-HOLDER PAD (MP tray pad Assy)	20K	
JC96-03533A	ELA HOU-MP PICK UP	200K	
JC97-03269A	MEA UNIT-Exit Duplex	100K	
JC97-02259A	MEA UNIT-ROLLER PU (Pick up roller Forward roller Retard roller)	100K	
JC90-00956A	DUPLEX-COVER FILTER	100K	

■ Maintenance KIT List

Model code	KIT component	Part Code	Qty	Life time	Remark
CLX-V8385A	CARTRIDGE-TRANSFER (ITB)	JC96-04601A	1	100K	100K Korea 220V
	MEA UNIT-TR (Transfer roller)	JC97-02934A	1		
	ELA UNIT-FUSER HV (Fuser)	JC96-04868A	1		
	MEA UNIT-EXIT DUPLEX	JC97-03269A	1		
	MEA UNIT-ROLLER PU (Pick up/ Forward/ Retard roller)	JC97-02259A	3		
	DUPLEX-COVER FILTER	JC90-00956A	1		
CLX-V8385A/SEE	CARTRIDGE-TRANSFER (ITB)	JC96-04601A	1	100K	Export 220V
	MEA UNIT-TR (Transfer roller)	JC97-02934A	1		
	ELA UNIT-FUSER HV (Fuser)	JC96-04868A	1		
	MEA UNIT-EXIT DUPLEX	JC97-03269A	1		
	MEA UNIT-ROLLER PU (Pick up/ Forward/ Retard roller)	JC97-02259A	3		
	DUPLEX-COVER FILTER	JC90-00956A	1		
CLX-V8385A/XAA	CARTRIDGE-TRANSFER (ITB)	JC96-04601A	1	100K	Export 110V
	MEA UNIT-TR (Transfer roller)	JC97-02934A	1		
	ELA UNIT-FUSER LV (Fuser)	JC96-04867A	1		
	MEA UNIT-EXIT DUPLEX	JC97-03269A	1		
	MEA UNIT-ROLLER PU (Pick up/ Forward/ Retard roller)	JC97-02259A	3		
	DUPLEX-COVER FILTER	JC90-00956A	1		

3.1.6 Location of Maintenance parts

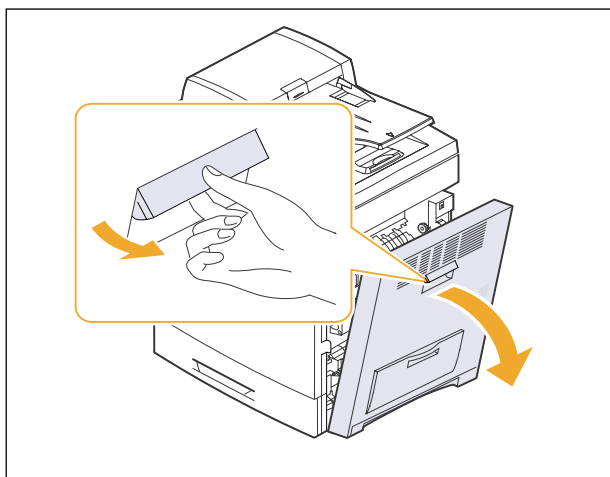


3.1.7 Replacing the Maintenance parts

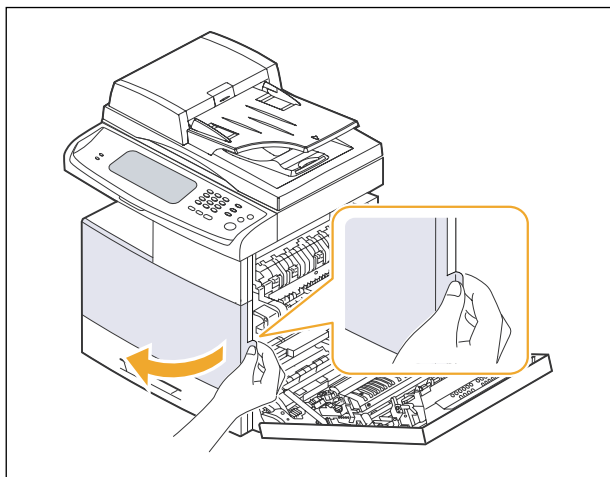
3.1.7.1 How to replace the cartridge transfer unit

1. Turn the machine off, then wait a few minutes for the machine to cool.

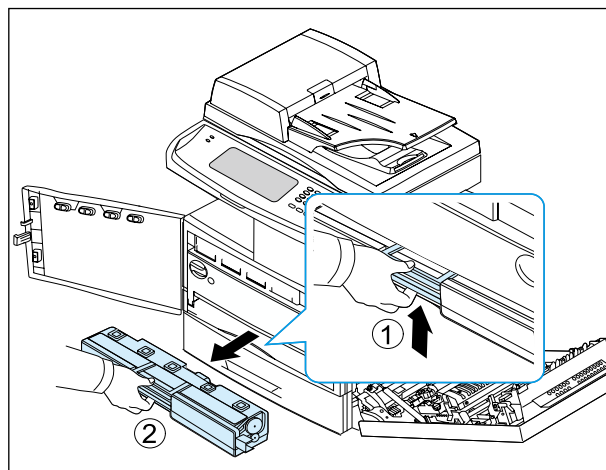
2. Open the side cover.



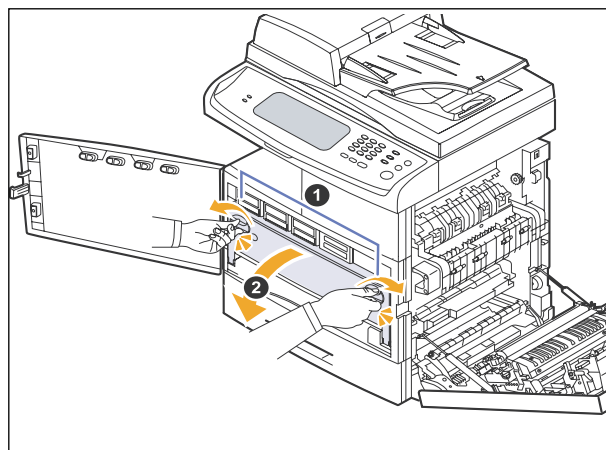
3. Open the front cover.



4. Pull the waste toner container out of the machine using its handle.



5. Turn the imaging unit locking levers outwards to release and open the inner cover.



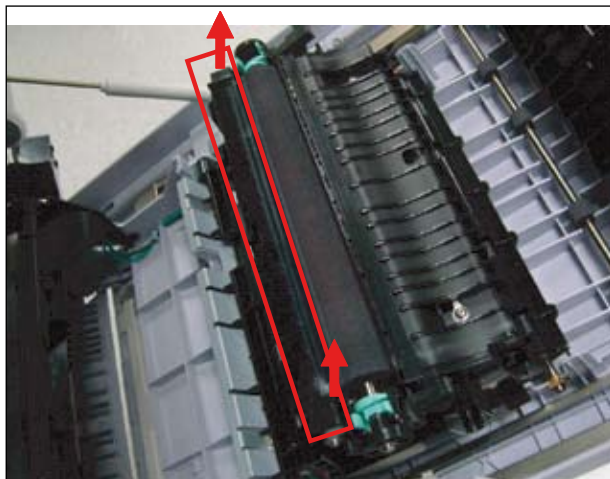
6. Take out the Cartridge transfer unit and replace the new one.



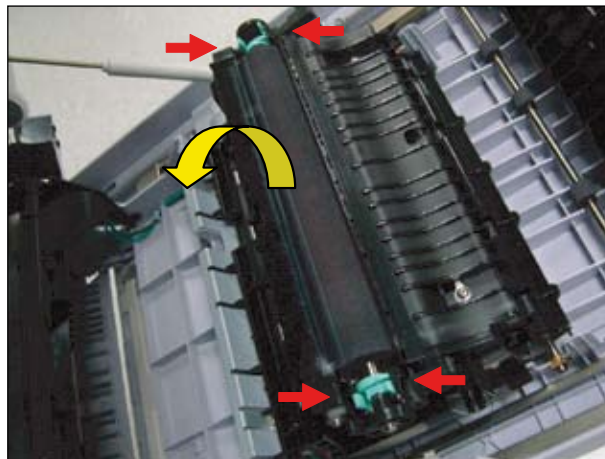
7. Close the inner cover.
8. Insert the waste toner container.
9. Close the front cover, then the side cover.

3.1.7.2 How to replace the transfer roller

1. Open the side cover and then pull the guide-paper up in the direction of arrow.



2. Push the latch in the two directions and pull the Transfer roller. And replace the new one.

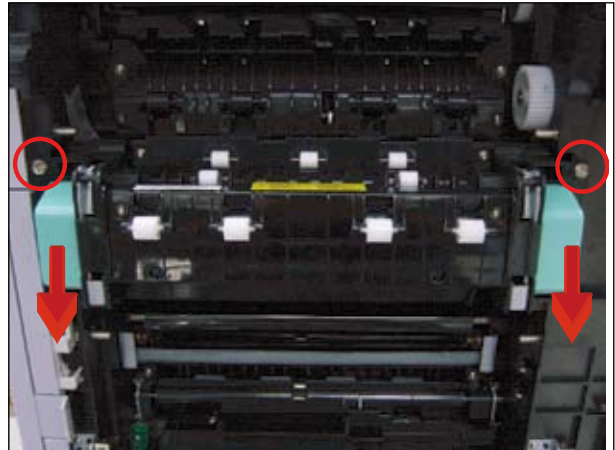


3.1.7.3 How to replace the Fuser unit

1. Open the side cover.



2. Pull the Fuser unit by holding the green lever.
And replace the new one

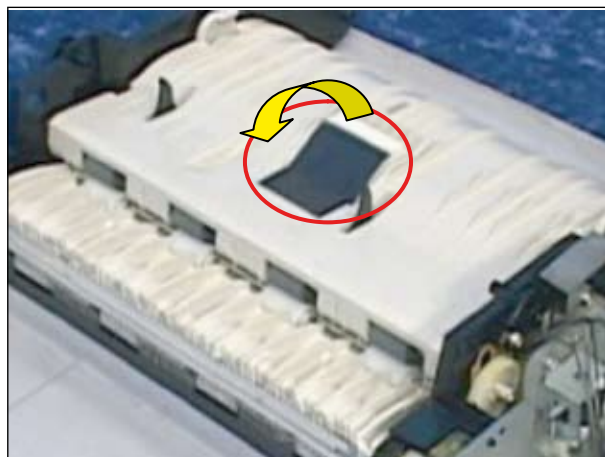


3.1.7.4 How to replace the DADF pick up roller and rubber pad.

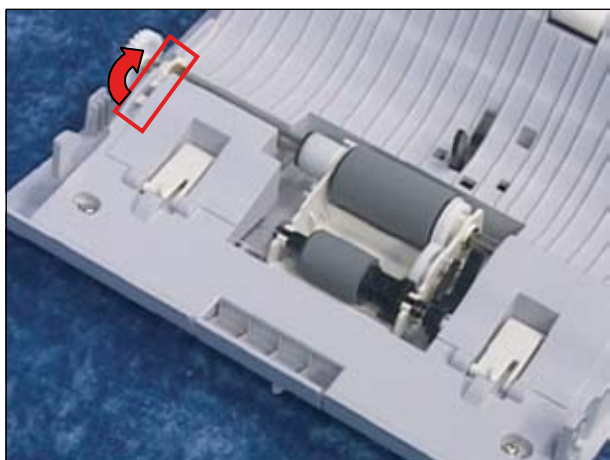
1. Open the DADF Cover.



3. Remove the rubber pad unit.

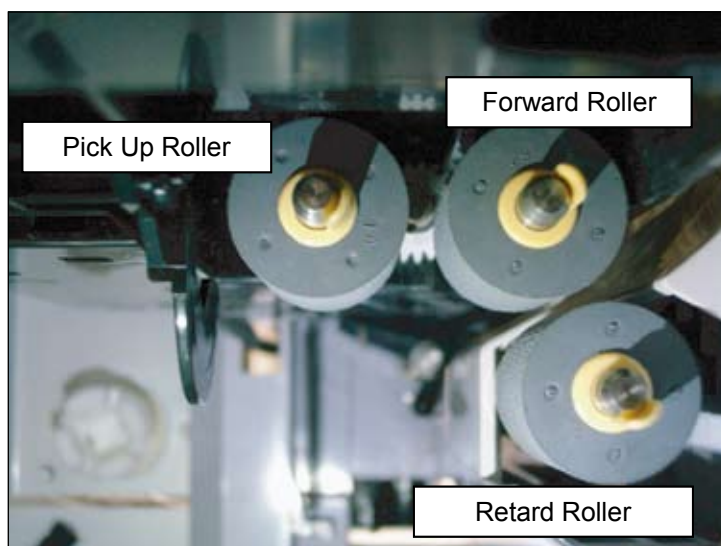


2. Pull the bush in the direction of arrow. Then lift the DADF pick up roller out.

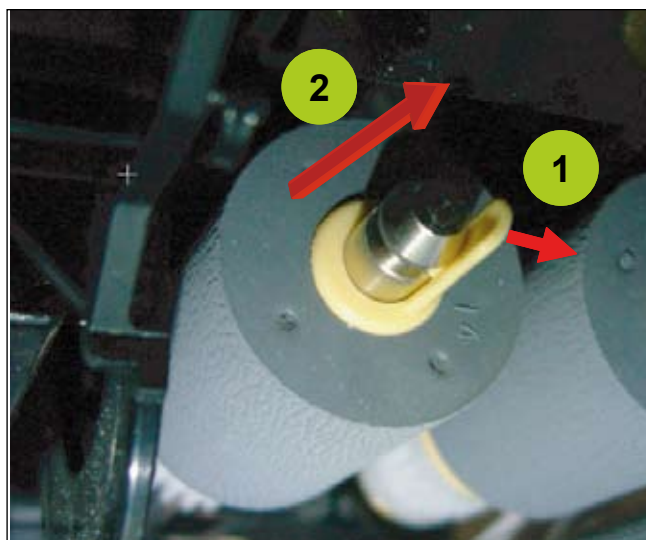


3.1.7.5 How to replace the Pick-up Roller

1. To remove the pick up roller, first take out the cassette. After remove the cassette, you can see 3 rollers (Pick up/ Forward/ Retard) in the inner.

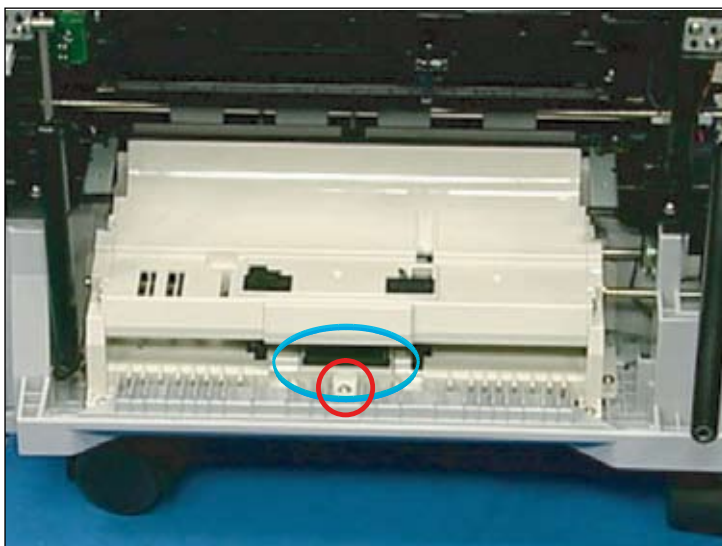


2. Take out the roller after pulling the hinge of pick up roller in the direction of arrow.

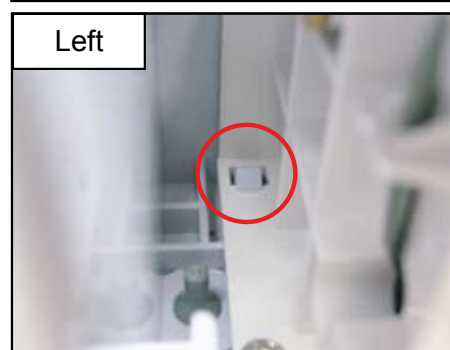
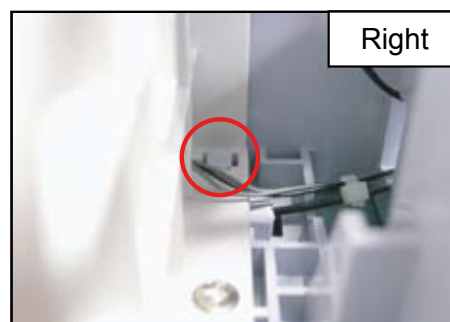
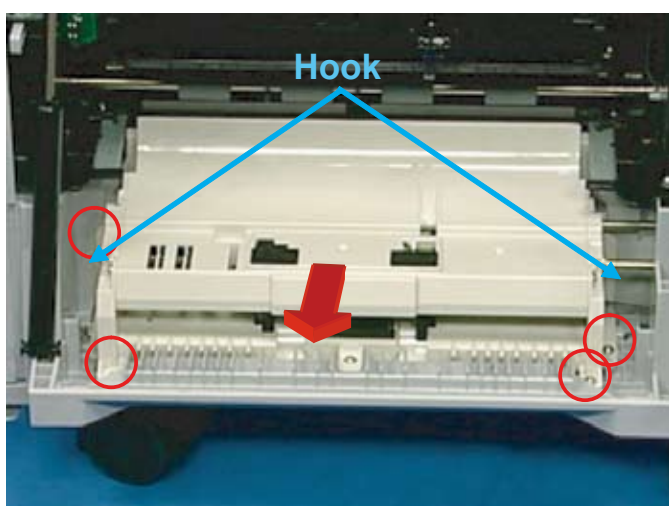


3.1.7.6 How to replace the MP pad Unit and MP feed roller

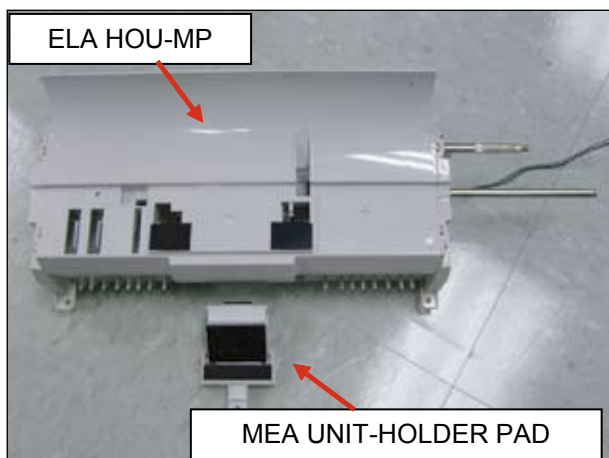
1. To remove the MP unit, first remove the side duplex. (Refer to 3.2.2.12 Side duplex)
2. Remove the MP pad unit after remove the 1 screw.



3. Remove the 4 screws and 2 hooks and take out the MP Assy.

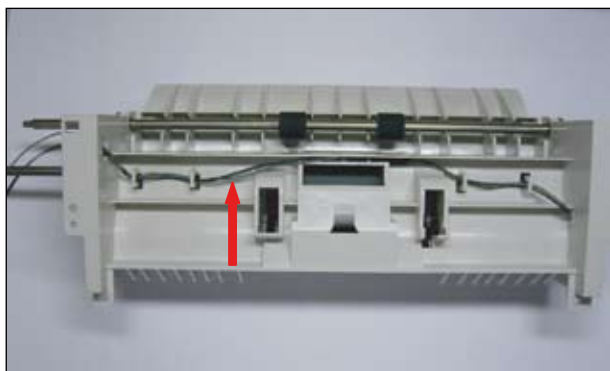


4. Done.



<How to replace the MP feed roller>

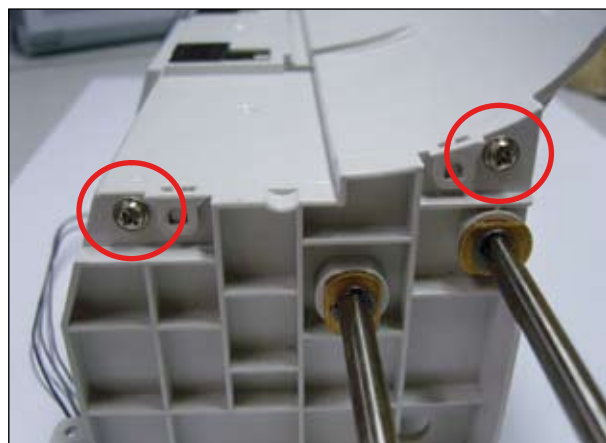
5. Release the harness from the holder.



6. Remove the spring from hook with some tools.



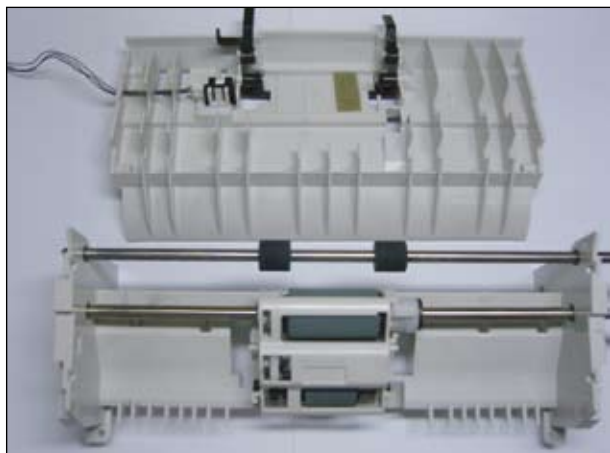
7. Remove the 4 screws from both side of MP unit.



8. Lift up the FRAME-MP TOP.

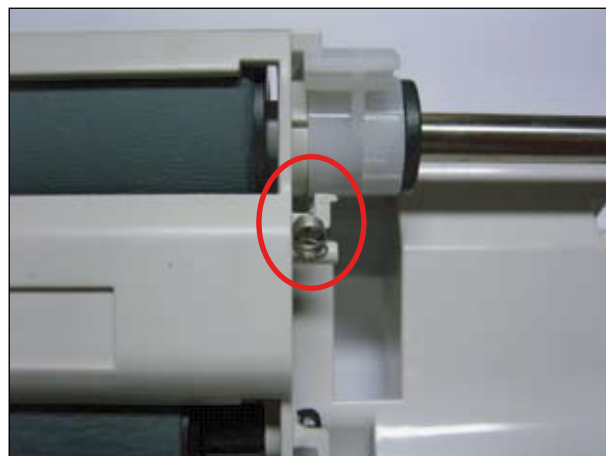


9. Done.

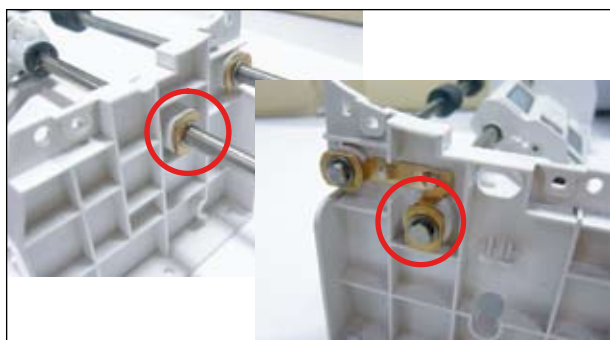


<How to reassemble MP feed roller>

12. Assemble the spring to ELA HOU-MP Pick up.



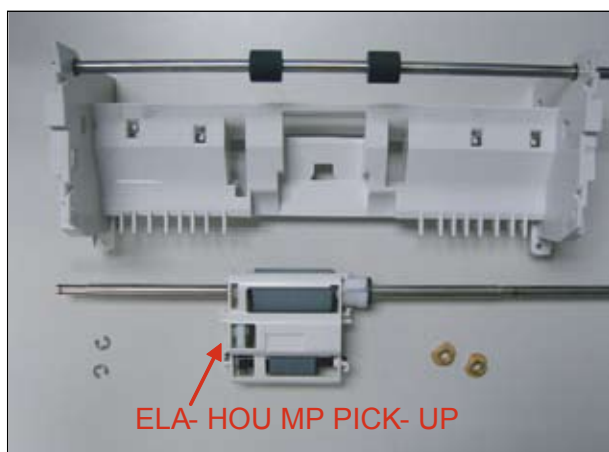
10. Remove the RING-E(2 EA) from both side of FRAME-MP LOWER.



13. Fix the LATCH ARM F,R.



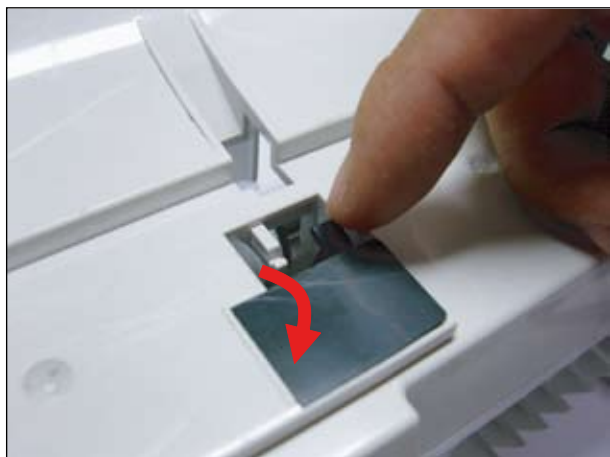
11. Replace the ELA-HOU MP PICK-UP with new one.



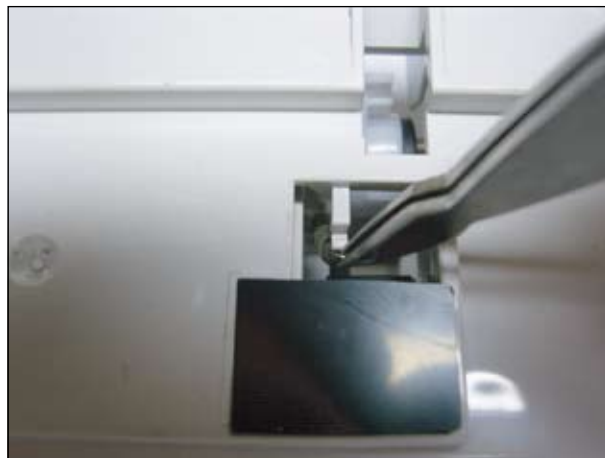
14. When reassembling the FRAME-MP TOP, assemble the STOPPER PAPER F,R to be in the hole.



15. Check that LATCH ARM F,R assemble properly.



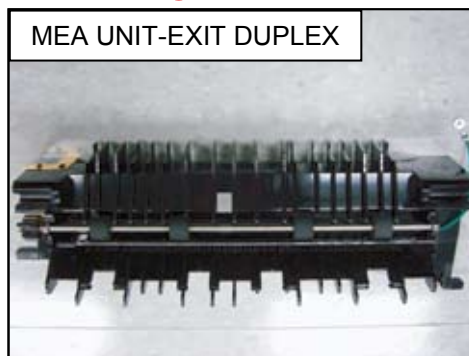
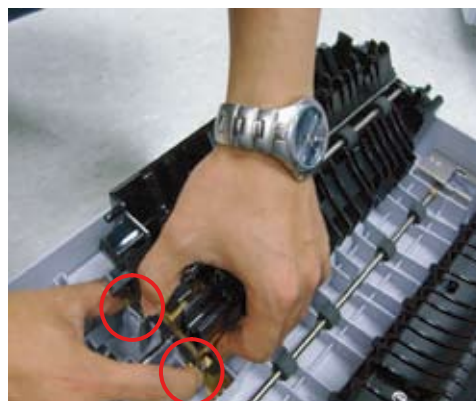
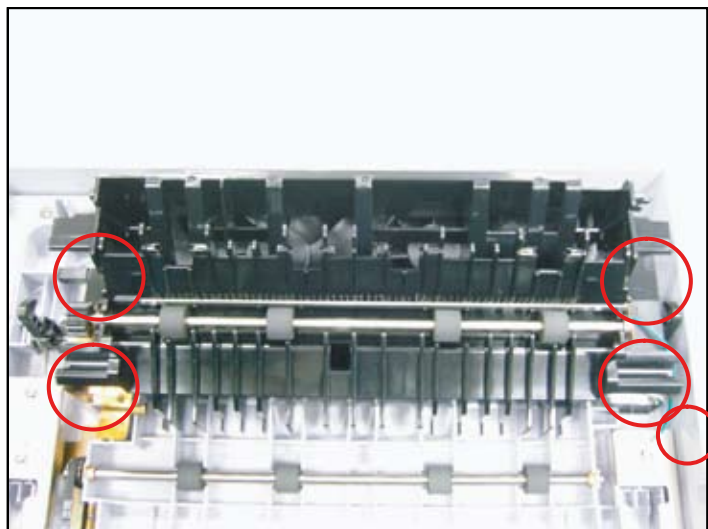
16. Assemble the SPRING as shown below.



17. Assemble in reverse order after this step.

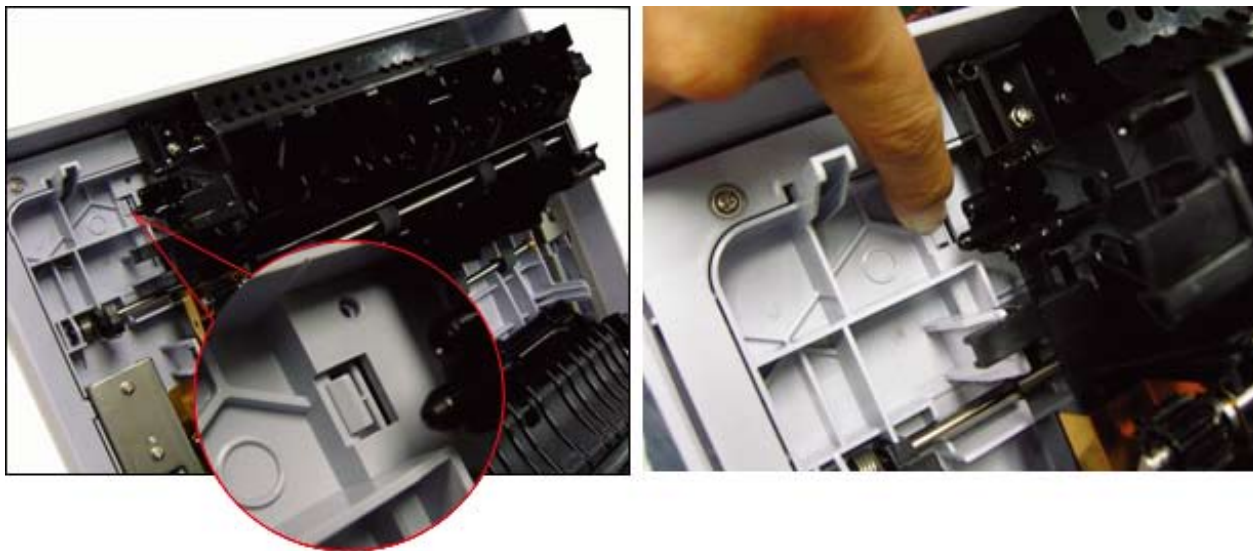
3.1.7.7 How to replace the MEA UNIT-Exit Duplex

1. Open the side duplex cover.
Release the Exit Duplex Unit by removing the 4 hooks after remove 1 screw.



3.1.7.8 How to replace the DUPLEX-COVER FILTER

1. Open the side duplex cover. And press the hook as shown below.



2. Release the duplex-cover filter.



3.1.8 Cleaning the machine

To maintain print and scan quality, follow the cleaning procedures below each time the toner cartridge is replaced or if print and scan quality problems occur.

Caution

- Cleaning the machine cabinet with cleaning materials that contain large amounts of alcohol, solvent, or other strong substances can discolor or damage the cabinet.
- If your machine or its surrounding is contaminated with toner, we recommend you to use cloth or tissue dampened with water to clean it. If you use a vacuum cleaner, toner blows in the air and might be harmful to you.

3.1.8.1 Cleaning Items and Interval

Item	Interval or When
Replacement consumable (Toner Cartridges, Imaging Units, WTB)	When displayed "Toner Empty" or "Replace Drum" or "Waste Toner Full" .
Cleaning of Feed frame and Feed Rollers on the paper-path	Misfeeds or Jams occur frequently
Cleaning of Document (Platen) glass	The same copy area is dirty whenever making copies. Original cannot be cleanly scanned.
Cleaning of Platen Cover (sheet-sponge)	
Cleaning Feeder and PAD in the DADF	Originals have black streaks or appear dirty after feeding them in the DADF.
Cleaning of LSU glass	Streaks appear on copy sheet
Cleaning of Document glass for DADF	
Cleaning of original guide plate in rear side of DADF and DADF roller	Misfeeds or Jams occur frequently
Fasten the rest of the guide in the paper tray (Width Guide and Length Guide)	Misfeeds or Jams occur frequently
Pick up a stack/tray of paper and fan it to remove static cling	Multi-feeds occur frequently
Replace the Transfer roller	Image ghost, Light image, paper's rear side contamination occur.

3.1.8.2 Cleaning the machine outside

Clean the machine cabinet with a soft lint-free cloth. You can dampen the cloth slightly with water, but be careful not to let any water drip onto or into the machine.

3.1.8.3 Cleaning the machine inside

Clean every 100,000 sheets or every 6 months to maintain in good condition.

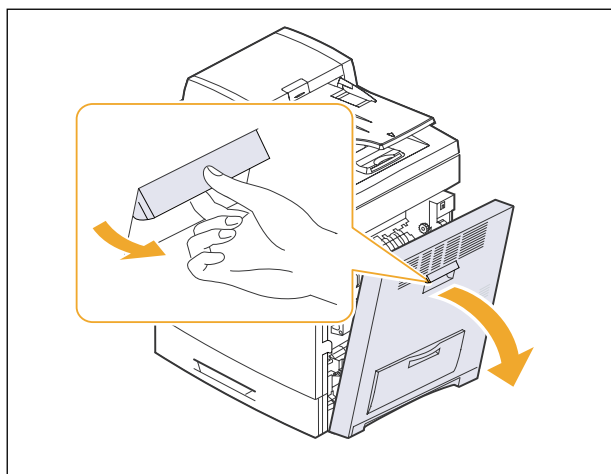
(When the life of Transfer Roller expires due to long usage.)

Clean in following order; Paper Path Parts, Transfer Roller area, Toner Cartridge and Imaging unit area in the Inner Frame.

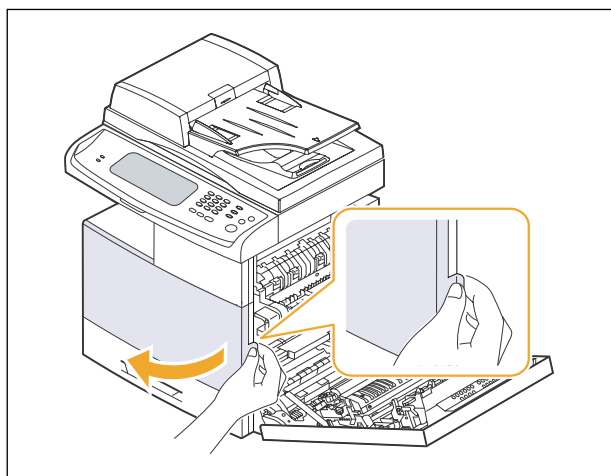
Clean with Vacuum Cleaner and Dry rag or Soft cloth.

1. Turn the machine off, then wait a few minutes for the machine to cool.

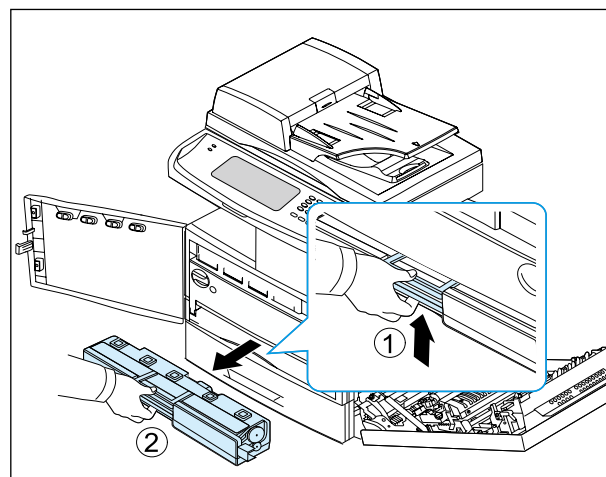
2. Open the side cover.



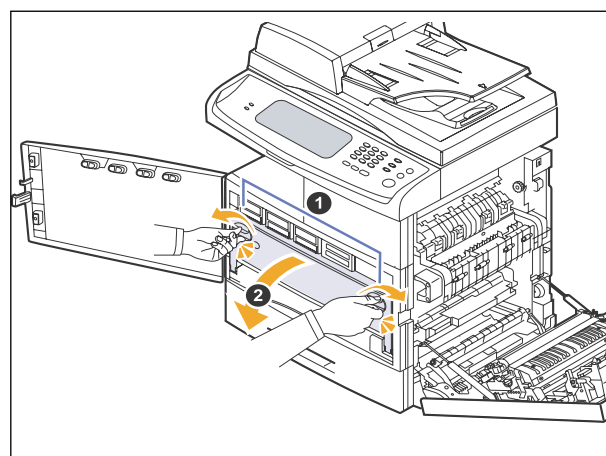
3. Open the front cover.



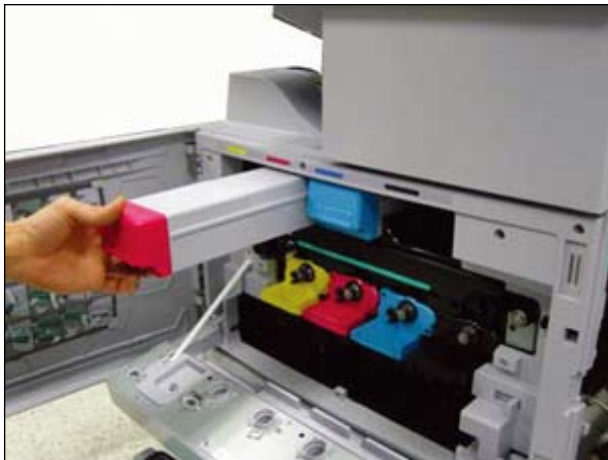
4. Pull the waste toner container out of the machine using its handle.



5. Turn the imaging unit locking levers outwards to release and open the inner cover.



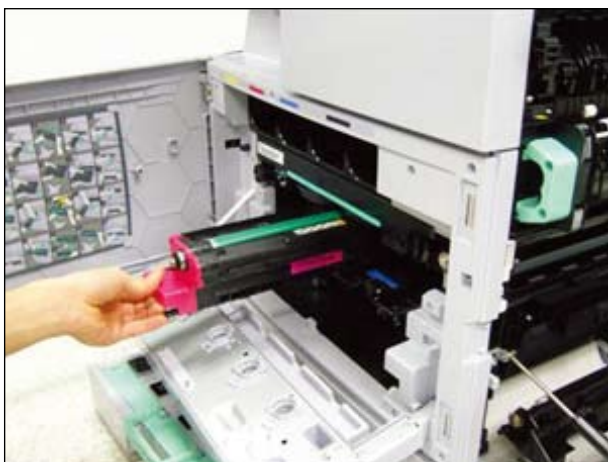
6. Take out the toner cartridge.



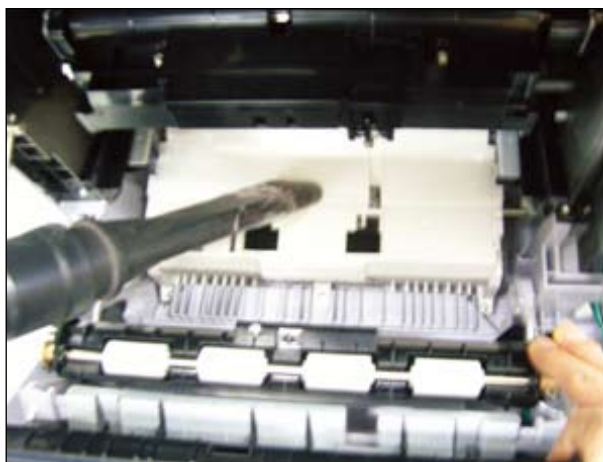
9. Take out the cartridge transfer unit.



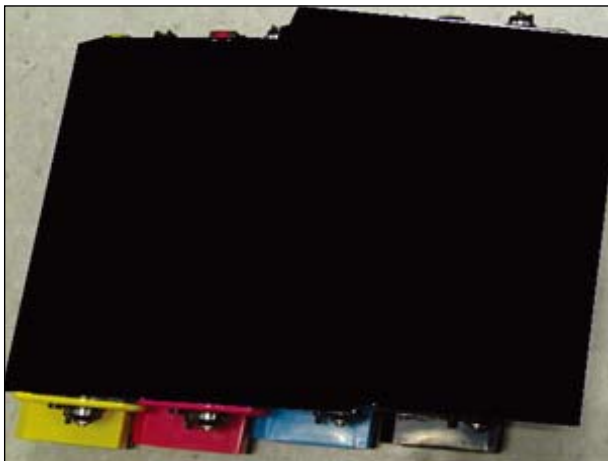
7. Take out the Imaging unit.



10. Clean the paper path parts.



8. Lay the black paper on imaging unit to protect the OPC surface.



11. Clean the paper path parts.



12. Clean the paper path parts.



15. Clean the transfer roller area.



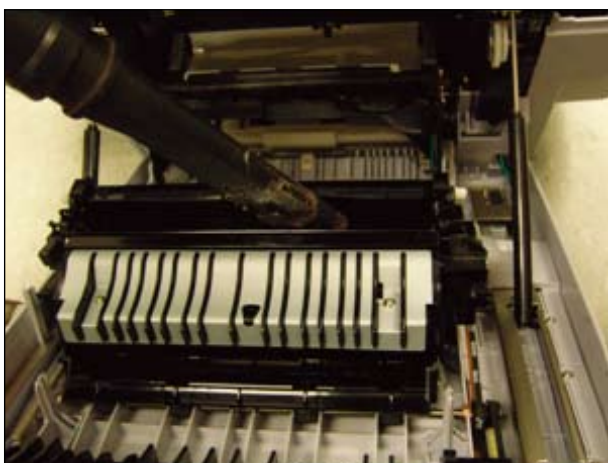
13. Release the transfer roller.



16. Clean the transfer roller area.



14. Clean the transfer roller area.



17. Clean the transfer roller area.



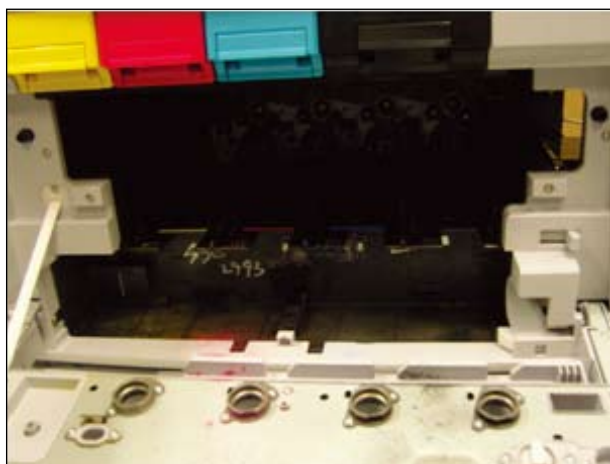
18. Reassemble the transfer roller.



21. Reassemble the imaging unit.



19. Clean the Frame inside.



22. Reassemble the toner cartridge.



20. Reassemble the Cartridge Transfer.



23. Close the inner cover.

24. Insert the waste toner container.

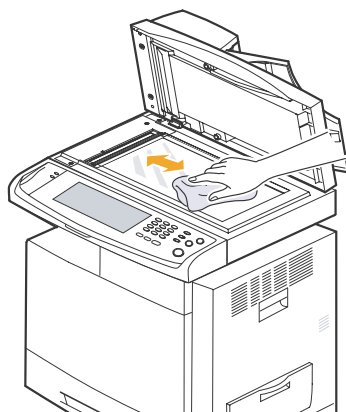
25. Close the front cover.

26. Close the side cover.

3.1.8.4 Cleaning the scan outside glass

Keeping the scan unit clean helps ensure the best possible copies. We suggest that you clean the scan unit at the start of each day and during the day, as needed.

- 1 Slightly dampen a soft lint-free cloth or paper towel with water.
- 2 Open the scanner lid.
- 3 Wipe the surface of the scanner glass and DADF glass until it is clean and dry.



4. Wipe the underside of the scanner lid until it is clean and dry.
5. Close the scanner lid.

3.1.8.5 Cleaning the scan inside glass

1. Perform the procedure 1~6 of 3.2.2.4 Scan Assy.
2. Wipe the surface of the scan inside glass.
3. Reassemble the Scan Assy.

3.2 Disassembly and Reassembly

3.2.1 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.

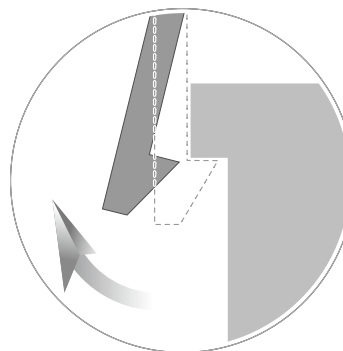
Whenever servicing the machine, you must perform as follows:

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.



3.2.1.1 Screws used in the printer

Part_Code	Location	Description	Qty
6003-000282	ELA UNIT-LSU	SCREW-TAPTITE;BH,+, -,B,M3,L8,ZPC(BLK),SWRCH18A,-	20
6003-000282	ELA UNIT-LD_Y	SCREW-TAPTITE;BH,+, -,B,M3,L8,ZPC(BLK),SWRCH18A,-	2
6001-000130	DUPLEX	SCREW-MACHINE;BH,+, -,M3,L6,ZPC(WHT),SWRCH18A,-,-	2
6003-000196		SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	23
6003-000269		SCREW-TAPTITE;BH,+, -,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6002-000440	ELA HOU-DUPLEX	SCREW-TAPPING;PWH,+, -,2,M3,L8,ZPC(BLK),SWRCH18A,-	4
6003-000196		SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	5
6003-000264	MEA UNIT-TRAY	SCREW-TAPTITE;PWH,+, -,B,M3,L6,ZPC(WHT),SWRCH18A,-	1
6003-000196	MEA UNIT-EXIT DUPLEX	SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	1
6003-000196	FRAME	SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	9
6003-000269		SCREW-TAPTITE;BH,+, -,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-001256		SCREW-TAPTITE;BH,+, -,B,M4,L10,NI PLT,SWRCH18A	5
6009-001492		SCREW-HEX;HWH,+, -,M3,L8,NI PLT,SWRCH18A,S,RF	9
6003-000196	ELA UNIT-BASE FRAME	SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	13
6003-000269		SCREW-TAPTITE;BH,+, -,S,M3,L6,ZPC(WHT),SWRCH18A,-	11
6003-000301		SCREW-TAPTITE;BH,+, -,S,M4,L6,ZPC(WHT),SWRCH18A,-	1
6003-001256		SCREW-TAPTITE;BH,+, -,B,M4,L10,NI PLT,SWRCH18A	7
6009-001396		SCREW-SPECIAL;PH,+, -,M3,L10.3,ZPC(BLK),SWRCH18A,B TITE,-	2
6003-000282	ELA UNIT-SIZE SENSOR	SCREW-TAPTITE;BH,+, -,B,M3,L8,ZPC(BLK),SWRCH18A,-	2
6003-000266	ELA UNIT-CST SENSOR	SCREW-TAPTITE;PWH,+, -,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000269	ELA UNIT-BASE PLATE R	SCREW-TAPTITE;BH,+, -,S,M3,L6,ZPC(WHT),SWRCH18A,-	13
6003-001474		SCREW-TAPTITE;BH,+, -,B,M3,L30,ZPC(WHT),SWRCH18A,-	3
6003-000196	ELA UNIT-PLATE UPPER	SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	3
6003-000269		SCREW-TAPTITE;BH,+, -,S,M3,L6,ZPC(WHT),SWRCH18A,-	6
6003-000196	ELA HOU-MP	SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	4
6003-000196	ELA UNIT-BASE RIGHT	SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	6
6003-000269	MEA UNIT-RETARD	SCREW-TAPTITE;BH,+, -,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000196	FRMAE-LOWER	SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	87
6003-000269		SCREW-TAPTITE;BH,+, -,S,M3,L6,ZPC(WHT),SWRCH18A,-	4
6003-000196	ELA UNIT-HV ITB	SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	4
6003-000269	ELA UNIT-WTB MOTOR	SCREW-TAPTITE;BH,+, -,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000269	ELA UNIT-HOLDER OPC	SCREW-TAPTITE;BH,+, -,S,M3,L6,ZPC(WHT),SWRCH18A,-	11
6003-000196	ELA UNIT-HV TR	SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	2
6003-000196	ELA HOU-BOTTLE BASE	SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	13
6003-000196	ELA UNIT-HV DEVE	SCREW-TAPTITE;PWH,+, -,B,M3,L10,NI PLT,SWRCH18A	8

Part_Code	Location	Description	Qty
6003-000196	FRAME REGI	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	5
6003-000196	ELA HOU-GUIDE REGI	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	6
6003-000196	MEA UNIT-F DR	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1
6003-000196	ELA UNIT-FRAME UPPER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	12
6003-000196	ELA HOU-GUIDE EXIT	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2
6003-000269	ELA UNIT-SUPPORT SCAN	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	3
6009-001390	ELA UNIT-SCANNER	SCREW-SPECIAL;SPECIAL,±,-,M3,L10,NI PLT,SWRCH18A,B-TITE,D9, L13.5, DIME	1
6003-000196	ELA UNIT-PLATEN	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	6
6003-000196	ELA UNIT-SCAN LOWER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	13
6003-000269		SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	4
6003-001256		SCREW-TAPTITE;BH,+,B,M4,L10,NI PLT,SWRCH18A	14
6003-000282	ELA UNIT-CCDM HIGH	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	10
6003-000282	MEA UNIT-COVER KHX	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	3
6003-000269	ELA UNIT-SCAN MOTOR	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6002-000440	ELA UNIT-SCAN UPPER	SCREW-TAPPING;PWH,+,-,2,M3,L8,ZPC(BLK),SWRCH18A,-	2
6003-000196		SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2
6003-000196	MEA UNIT-DUMMY UPPER	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1
6003-000196	ELA HOU-DADF	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	7
6003-000269		SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	8
6003-001256		SCREW-TAPTITE;BH,+,B,M4,L10,NI PLT,SWRCH18A	5
6003-000196	ELA HOU-COVER PLATEN	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	14
6003-001324		SCREW-TAPTITE;BH,+,B,M4,L16,NI PLT,SWRCH18A,-	8
6003-000196	ELA HOU-COVER JAM	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	1
6003-000196	ELA HOU-DADF SUB	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	14
6003-000269		SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	1
6003-000269	ELA HOU-DADF MOTOR	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	4
6003-000269	ELA HOU-DUPLEX MOTOR	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6002-000440	ELA HOU-GUIDE SCAN	SCREW-TAPPING;PWH,+,-,2,M3,L8,ZPC(BLK),SWRCH18A,-	2
6003-000196		SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	7
6003-000269		SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	1
6003-000196	ELA HOU-COVER OPEN	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	5
6003-000196	MEA-EXIT	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	2
6003-000196	MEA-GUIDE PICKUP	SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	4
6002-000440	MEA-TX STACKER	SCREW-TAPPING;PWH,+,-,2,M3,L8,ZPC(BLK),SWRCH18A,-	2
6003-000196		SCREW-TAPTITE;PWH,+,B,M3,L10,NI PLT,SWRCH18A	3
6003-000269	DRIVE MAIN	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	10
6003-000301		SCREW-TAPTITE;BH,+,-,S,M4,L6,ZPC(WHT),SWRCH18A,-	10

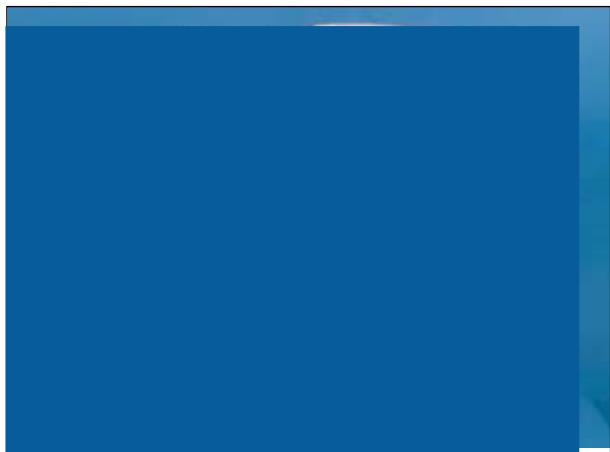
Part_Code	Location	Description	Qty
6003-000269	DRIVE-DEVE	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	16
6003-000301		SCREW-TAPTITE;BH,+,-,S,M4,L6,ZPC(WHT),SWRCH18A,-	17
6003-000269	ELA UNIT-DRIVE FUSER	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	4
6003-000301		SCREW-TAPTITE;BH,+,-,S,M4,L6,ZPC(WHT),SWRCH18A,-	4
6003-000282	CARTRIDGE-TRANSFER	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	20
6003-000196	MAINLINE	SCREW-TAPTITE;PWH,+,-,B,M3,L10,NI PLT,SWRCH18A	68
6003-000269		SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	43
6003-001256		SCREW-TAPTITE;BH,+,-,B,M4,L10,NI PLT,SWRCH18A	22
6009-001390		SCREW-SPECIAL;SPECIAL,±,-,M3,L10,NI PLT,SWRCH18A,B-TITE,D9, L13.5, DIME	4
6009-001396		SCREW-SPECIAL;PH,+,-,M3,L10.3,ZPC(BLK),SWRCH18A,B TITE,-	4
6003-000196	ELA HOU-EXIT	SCREW-TAPTITE;PWH,+,-,B,M3,L10,NI PLT,SWRCH18A	15
6003-000269		SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000196	ELA UNIT-SMPS UPPER	SCREW-TAPTITE;PWH,+,-,B,M3,L10,NI PLT,SWRCH18A	1
6003-000269		SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000196	ELA UNIT-HOLDER_HVPS	SCREW-TAPTITE;PWH,+,-,B,M3,L10,NI PLT,SWRCH18A	2
6003-000269	ELA UNIT-SUPPORT REAR	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000282	CARTRIDGE-DRUM Y KIT	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	7
6001-000130	ELA HOU-DEVE UNIT	SCREW-MACHINE;BH,+,-,M3,L6,ZPC(WHT),SWRCH18A,-,-	2
6003-000282		SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	5
6006-001193		SCREW-MACHINE;PH,+,-,WSP,M3,10,ZPC(WHT),SWRCH18 A,-,WD8,TEMPERED	2
6003-000282	CARTRIDGE-SUB OPC CART	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	2
6003-000282	CARTRIDGE-DRUM M KIT	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	7
6001-000130	ELA HOU-DEVE UNIT	SCREW-MACHINE;BH,+,-,M3,L6,ZPC(WHT),SWRCH18A,-,-	2
6003-000282		SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	5
6006-001193		SCREW-MACHINE;PH,+,-,WSP,M3,10,ZPC(WHT),SWRCH18 A,-,WD8,TEMPERED	2
6003-000282	CARTRIDGE-SUB OPC CART	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	2
6003-000282	CARTRIDGE-DRUM C KIT	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	7
6001-000130	ELA HOU-DEVE UNIT	SCREW-MACHINE;BH,+,-,M3,L6,ZPC(WHT),SWRCH18A,-,-	2
6003-000282		SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	5
6006-001193		SCREW-MACHINE;PH,+,-,WSP,M3,10,ZPC(WHT),SWRCH18 A,-,WD8,TEMPERED	2
6003-000282	CARTRIDGE-SUB OPC CART	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	2

Part_Code	Location	Description	Qty
6003-000282	CARTRIDGE-DRUM K KIT	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	7
6001-000130	ELA HOU-DEVE UNIT	SCREW-MACHINE;BH,+,-,M3,L6,ZPC(WHT),SWRCH18A,-,-	2
6003-000282		SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	5
6006-001193		SCREW-MACHINE;PH,+,-,WSP,M3,10,ZPC(WHT),SWRCH18A,-,WD8,TEMPERED	2
6003-000282	MEA UNIT-OPC CART	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	2
6003-000261	CARTRIDGE-TONER K KIT	SCREW-TAPTITE;BH,+,-,B,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000282		SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	1
6003-000261	ELA UNIT-TONER Y	SCREW-TAPTITE;BH,+,-,B,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000282		SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	2
6003-000261	CARTRIDGE-TONER M KIT	SCREW-TAPTITE;BH,+,-,B,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000282		SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	2
6003-000261	ELA UNIT-TONER C	SCREW-TAPTITE;BH,+,-,B,M3,L6,ZPC(WHT),SWRCH18A,-	2
6003-000282		SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A,-	2
6003-000196	ELA HOU-OPE	SCREW-TAPTITE;PWH,+,-,B,M3,L10,NI PLT,SWRCH18A	10
6003-000269		SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	4
6003-000196	ELA HOU-OPE COVER	SCREW-TAPTITE;PWH,+,-,B,M3,L10,NI PLT,SWRCH18A	7
6002-000440	ELA UNIT-FUSER LV	SCREW-TAPPING;PWH,+,-,2,M3,L8,ZPC(BLK),SWRCH18A,-	3
6003-000196		SCREW-TAPTITE;PWH,+,-,B,M3,L10,NI PLT,SWRCH18A	17
6003-000269		SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(WHT),SWRCH18A,-	9
6003-001086		SCREW-TAPTITE;BH,+,-,B,M3,L12,ZPC(BLK),SWRCH18A,-	2
6002-000440	MEA UNIT-CASSETTE	SCREW-TAPPING;PWH,+,-,2,M3,L8,ZPC(BLK),SWRCH18A,-	5
6003-000196		SCREW-TAPTITE;PWH,+,-,B,M3,L10,NI PLT,SWRCH18A	6
6006-001193		SCREW-MACHINE;PH,+,-,WSP,M3,10,ZPC(WHT),SWRCH18A,-,WD8,TEMPERED	1
6002-000440	MEA UNIT-LIFTING GEAR	SCREW-TAPPING;PWH,+,-,2,M3,L8,ZPC(BLK),SWRCH18A,-	2
6003-001001	MEA UNIT-COVER FRONT	SCREW-TAPTITE;FH,+,-,B,M3,L8,ZPC(BLK),SWRCH18A	2
6002-000440	MEA UNIT-COVER INNER	SCREW-TAPPING;PWH,+,-,2,M3,L8,ZPC(BLK),SWRCH18A,-	6
6003-000196		SCREW-TAPTITE;PWH,+,-,B,M3,L10,NI PLT,SWRCH18A	4
6002-000440	MEA UNIT-FRONT OPC	SCREW-TAPPING;PWH,+,-,2,M3,L8,ZPC(BLK),SWRCH18A,-	30
6006-001078		SCREW-TAPTITE;PH,+,-,WSP,B,M3,L10,ZPC(WHT),SWRCH18A,-	12

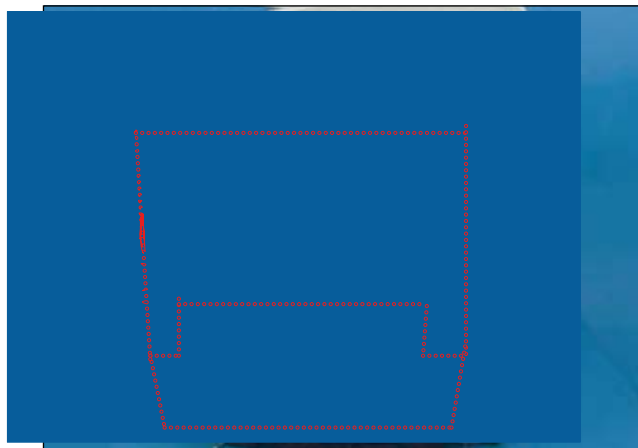
3.2.2 General Disassembly

3.2.2.1 Cover

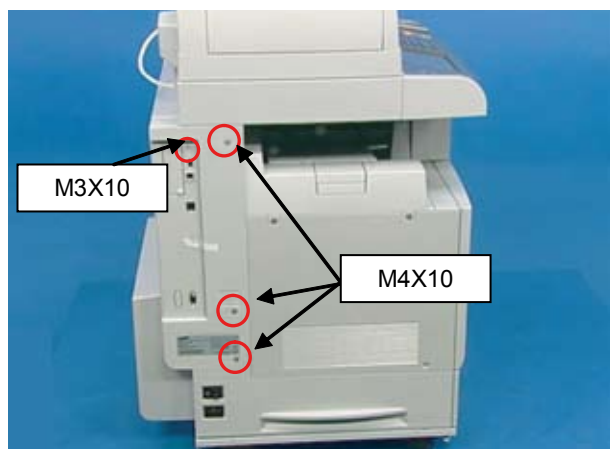
1. Remove the 10 screws from the rear of SET.



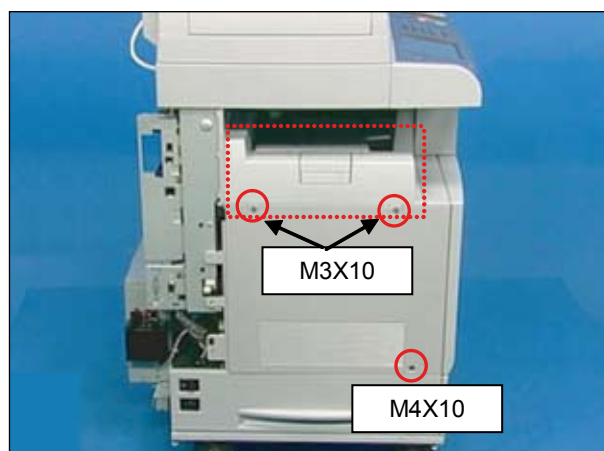
4. Remove the Cover rear and the Cover rear lower.



2. Remove the 4 screws from the left side of SET.
And remove the Cover Panel MFP.



5. Remove the 2 screws and then remove the Unit Cover Top.



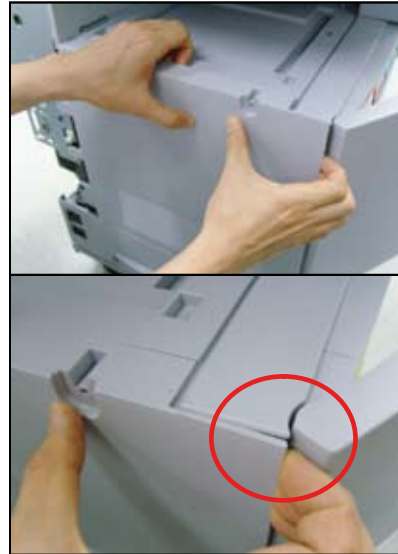
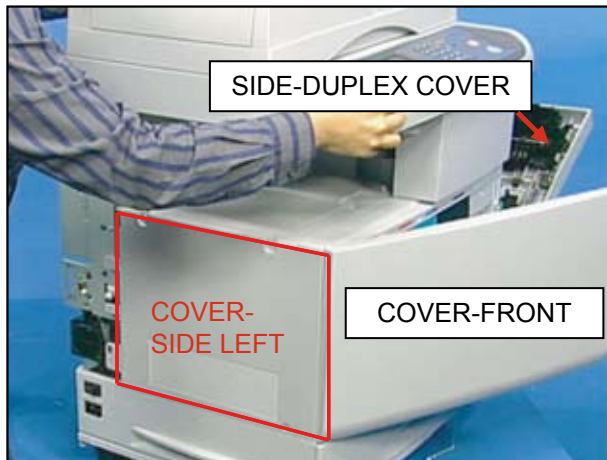
3. Remove the COVER-PANEL MFP.



Note : In case of being installed the fax kit, remove the fax kit after remove the 2 screws.

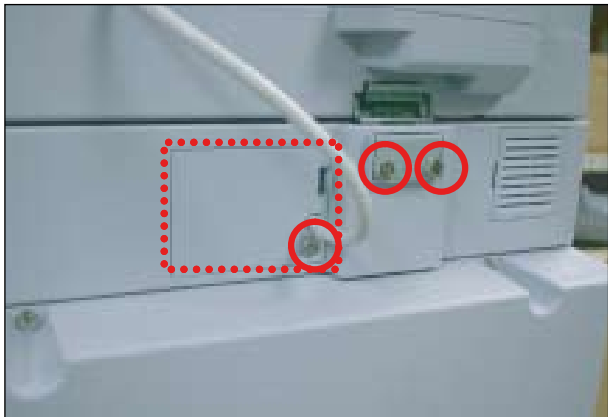


6. Open the Side Duplex Cover and the Front cover. And then remove the left side cover.



3.2.2.2 DADF

1. Remove 3 screws, and disassemble the cover.



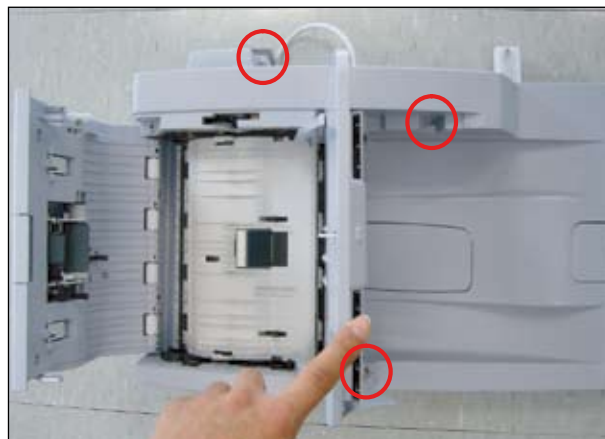
2. Separate bracket by using a tool such as tweezers.
Unplug the connector. And lift up the DADF from the Platen.



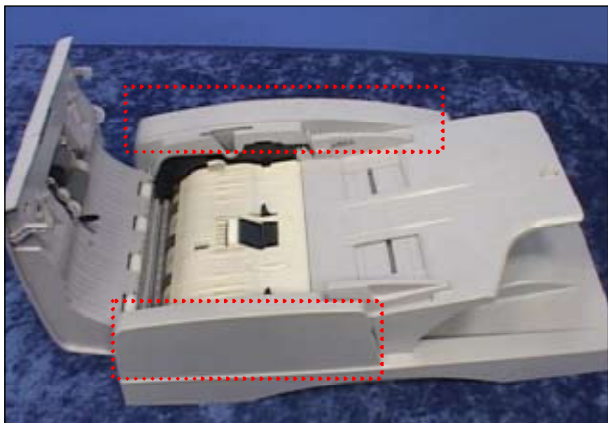
3. Open the DADF cover, and remove the one screw.



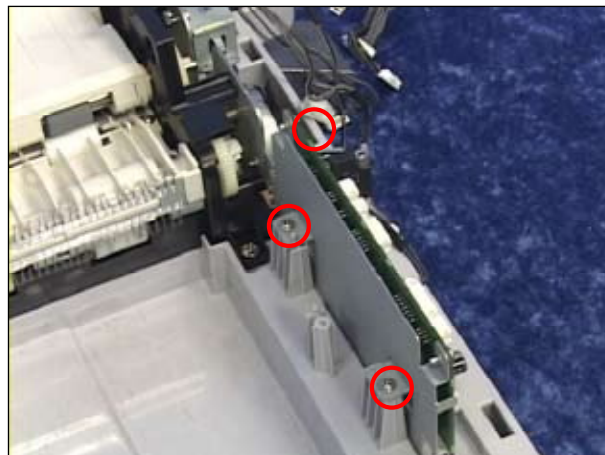
4. Lift up the stacker, and remove the two screws.



5. Remove the front/rear cover of the DADF.



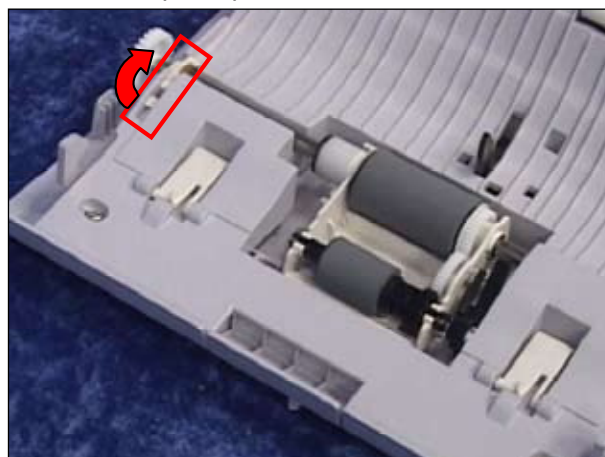
8. Remove the 3 screws, and then remove the DADF board.



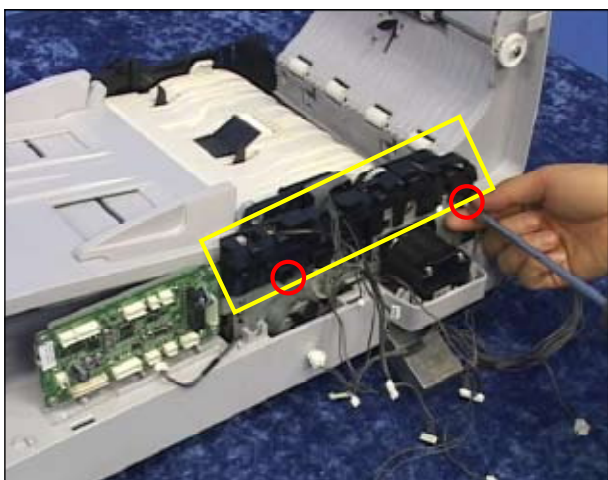
6. Unplug the all harness from the DADF board.



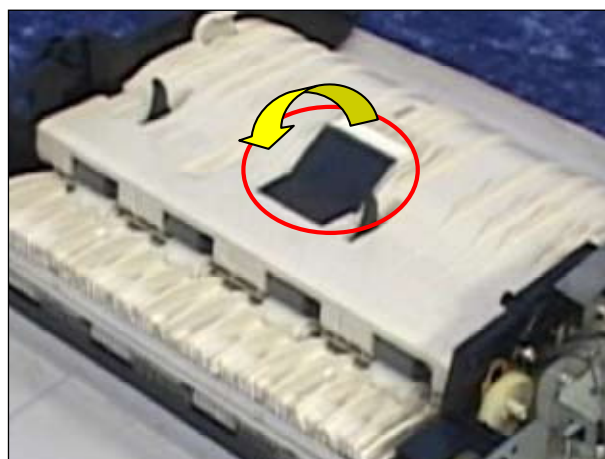
9. Pull the bush in the direction of arrow. Then lift the DADF pick up roller out.



7. Remove the 2 screws, and then remove the harness holder.



10. Remove the DADF pad unit.



3.2.2.3 OPE

1. Pull up the OPE cover.



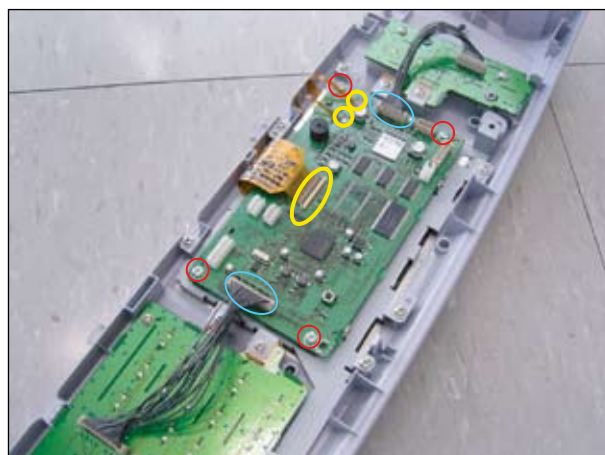
2. Remove 3 screws.



3. Lift up the OPE assy as shown below, and Unplug the connector. And release the OPE assy from set.

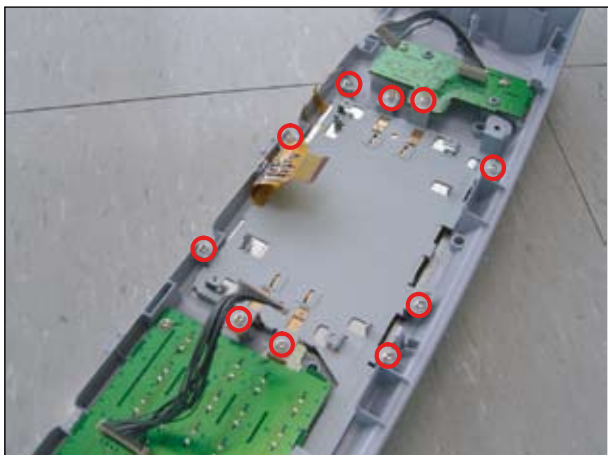


4. Disconnect the 2 harness, 3 flexible pcb, and remove the 4 screws. And then remove the OPE PBA.



 Be careful not to break the flexible pcb locker.

5. To remove the LCD panel, remove the 10 screws. Take out the LCD panel after remove the LCD panel shield.



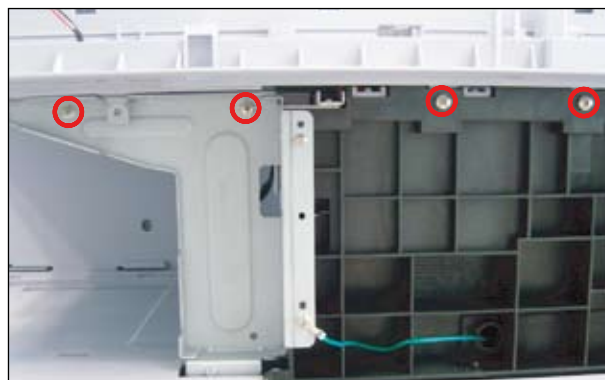
3.2.2.4 Scan Ass'y

3.2.2.4.1 Platen Ass'y

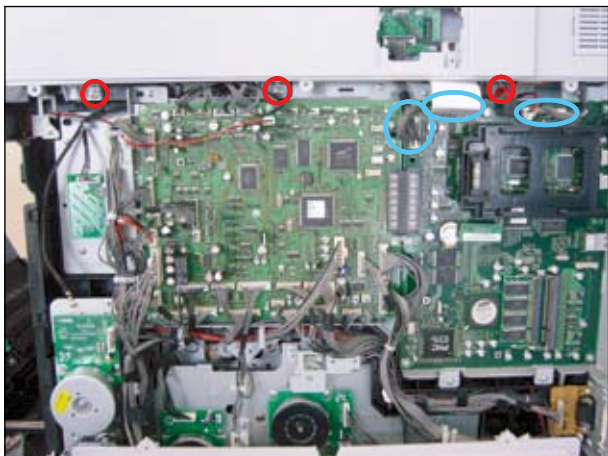
1. Remove the 2 screws from the Front dummy cover and release it.



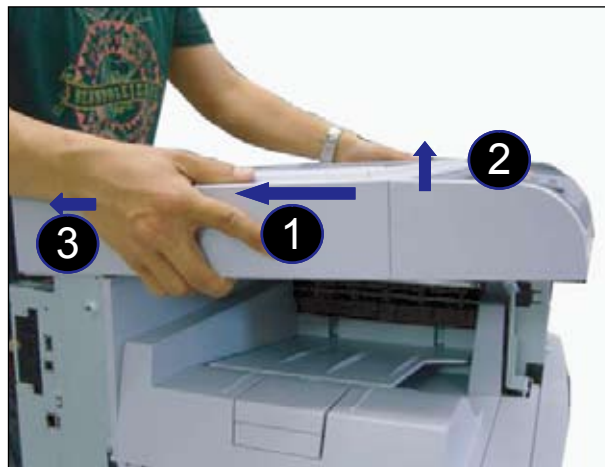
2. Remove the 4 screws from front-down side of scan assy.



3. Remove the 3 screws and all harness connected to scan assy.

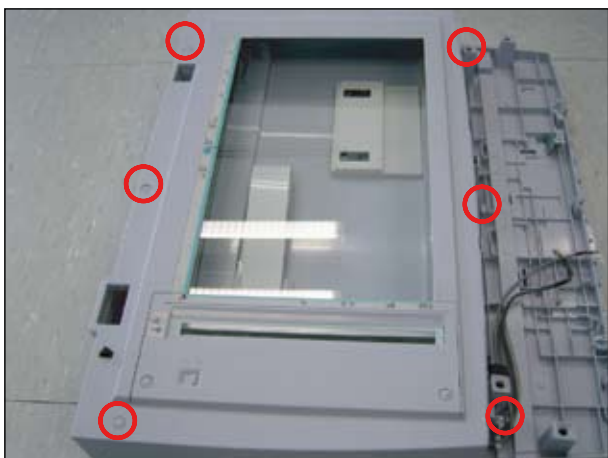


4. Lift up and release the Platen Assy.



3.2.2.4.2 Scan upper (Scan glass)

1. Release the Scan upper from the Scan lower after remove the 6 screws (cap hole screw 3 EA)

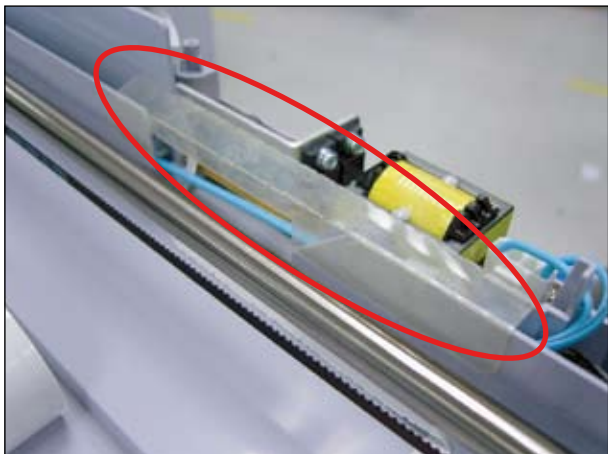


2. Release the Lever-locker from the scan upper after remove the 2 screws.

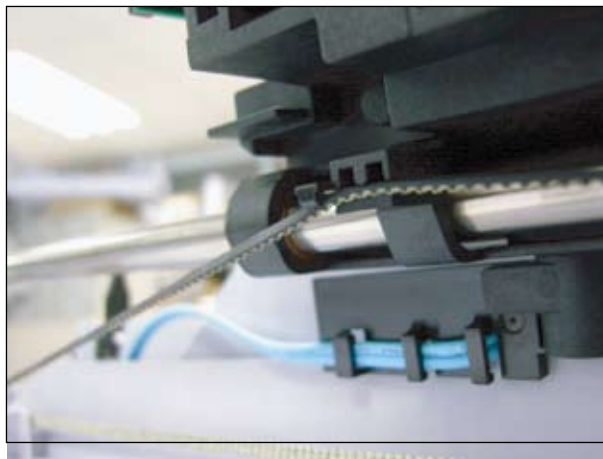


3.2.2.4.3 CCD module

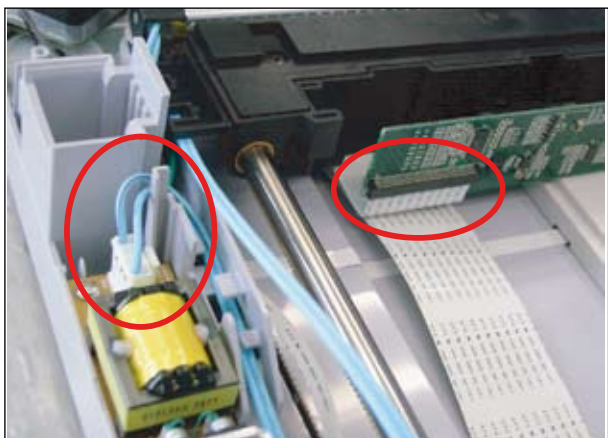
1. To remove the CCD harness, first remove the sheet.



3. Remove the CCDM after remove the CCDM belt.

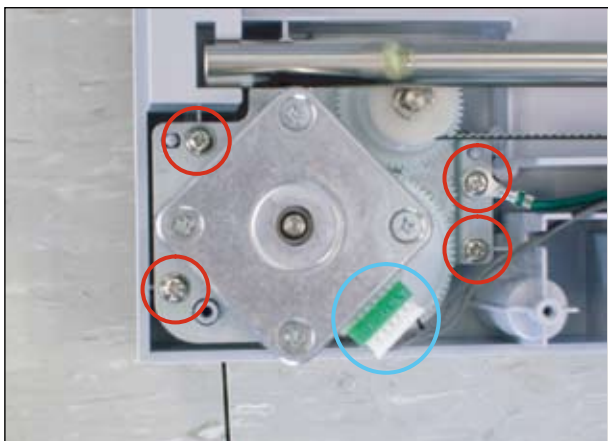


2. Unplug the FFC cable and power cable.

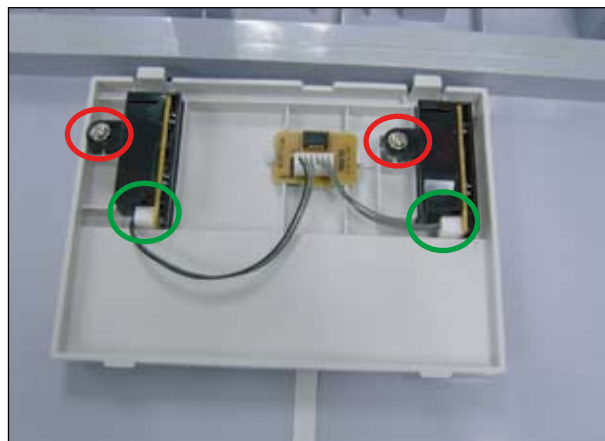


3.2.2.4.4 Scan motor, Belt, Sensor

1. Remove the Scan motor assy after remove the 4 screws.



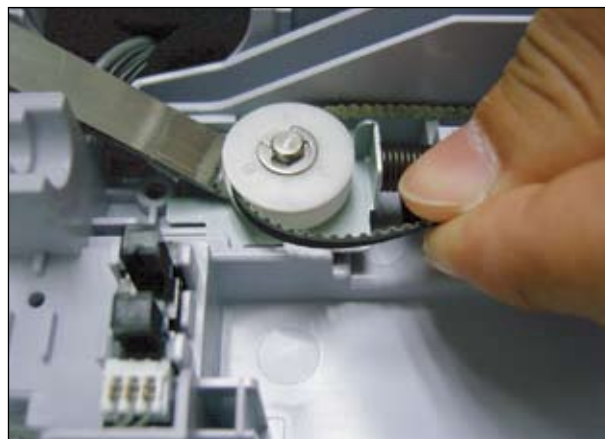
3. Remove the screws and the harness from each sensor.



2. To remove the CCD harness, remove the sheet.

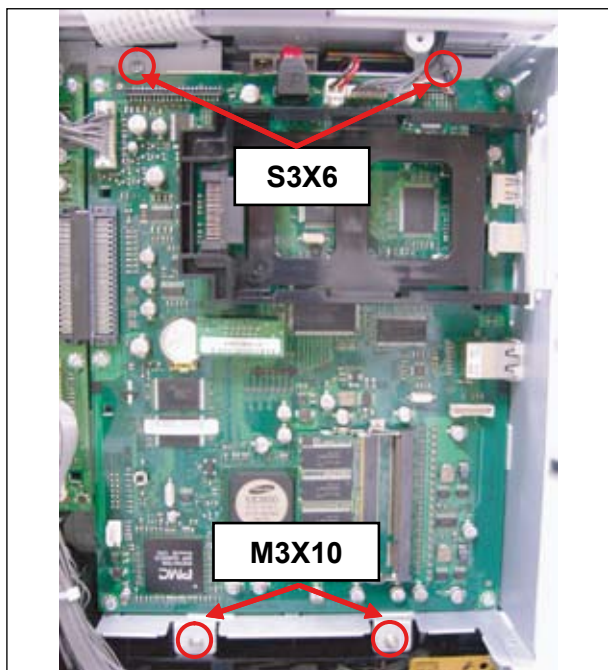


4. When replacing the Belt, compress the spring.

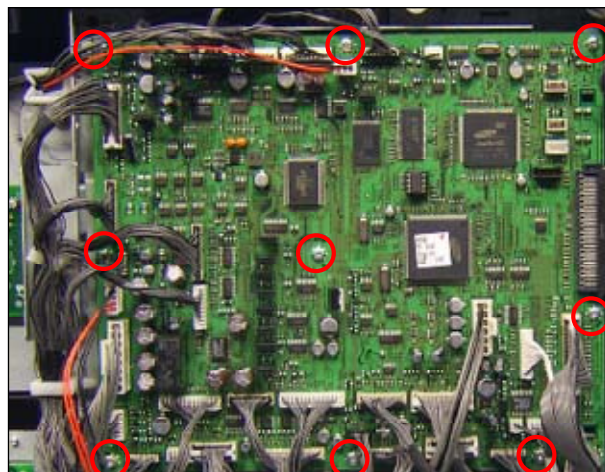


3.2.2.5 Engine and Video controller

1. Unplug the all harness and remove the 4 screws from Video controller. And release it.



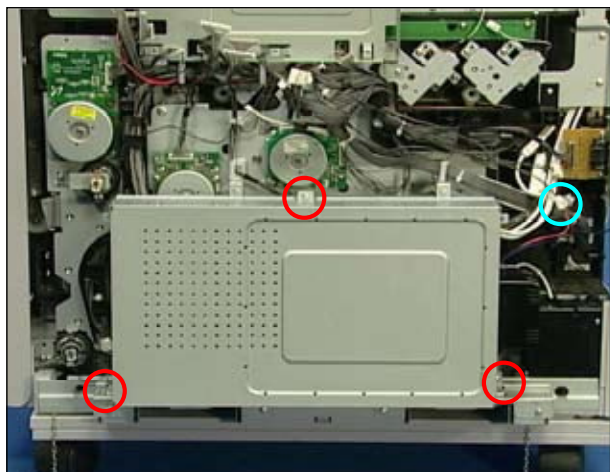
2. Unplug the all harness and remove the 9 screws from Engine controller. And release it.



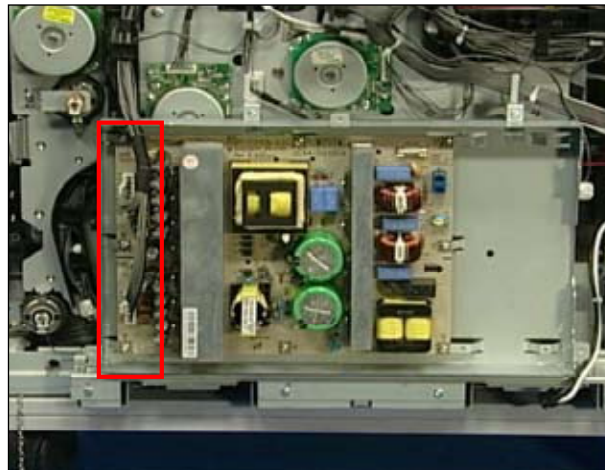
Caution - When reassembling, be careful the screw type.

3.2.2.6 SMPS and Fuser Drive board

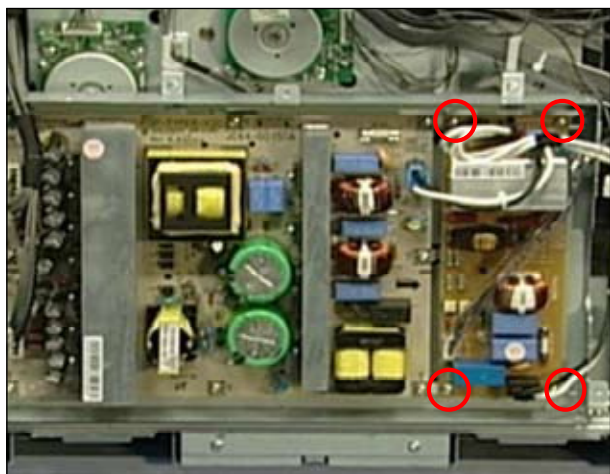
1. Remove the 3 screws and 1 connector (FAN).
Remove the SMPS cover.



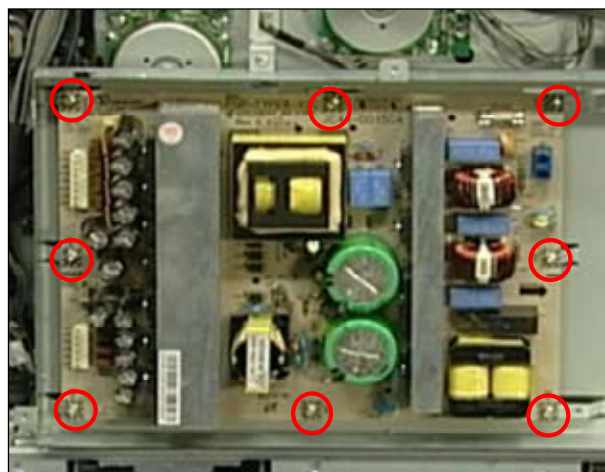
3. Remove the all harness from SMPS.



2. Unplug the all harness and remove the 4 screws from FDB . And release it.

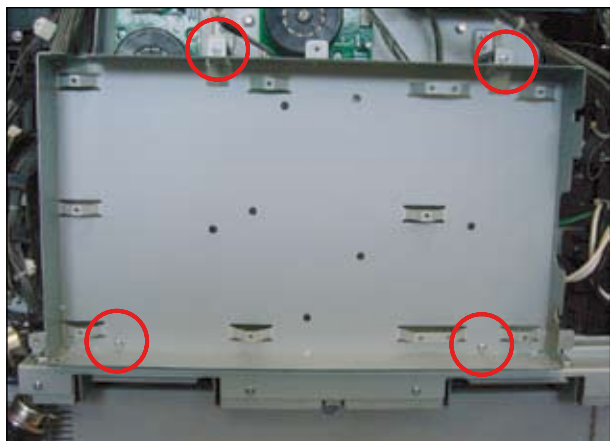


4. Remove the SMPS after remove the 8 screws.

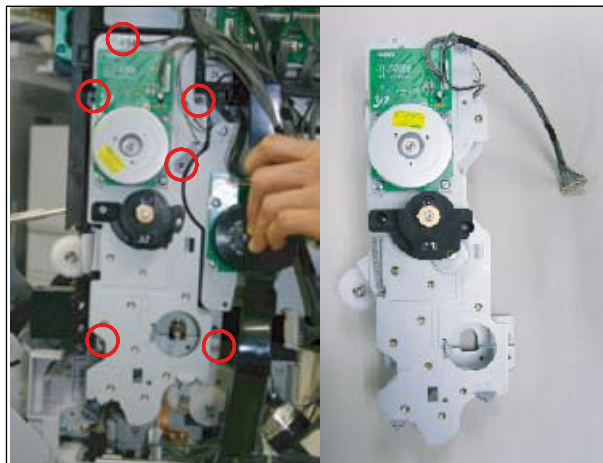


3.2.2.7 Main Drive Unit

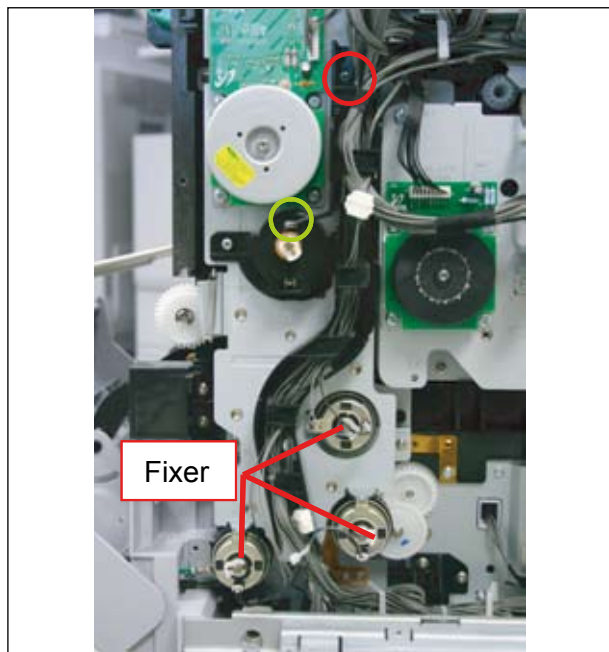
1. Remove the 4 screws and remove the SMPS cover.



3. Remove the Main Drive Unit after removing 6 screws.



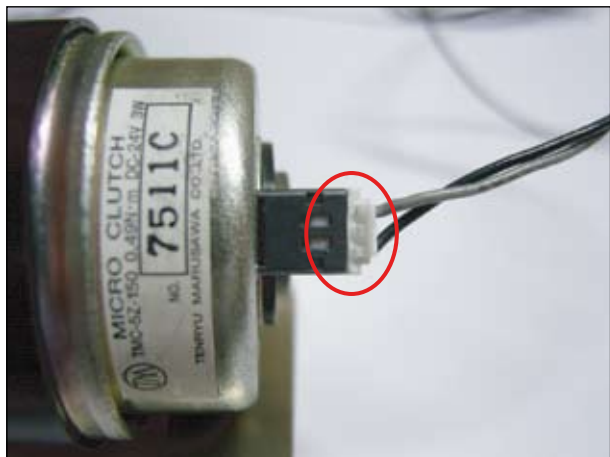
2. Remove 3 fixers from clutches. Unplug one connector and remove one screw. And remove the 3 clutches below.



Note : When disassembling the main drive unit, Don't have to unplug the 3 below clutch harness. If you want to replace these clutches, refer to the next page.

< How to replace the clutch >

1. Hold the harness with the nipper.



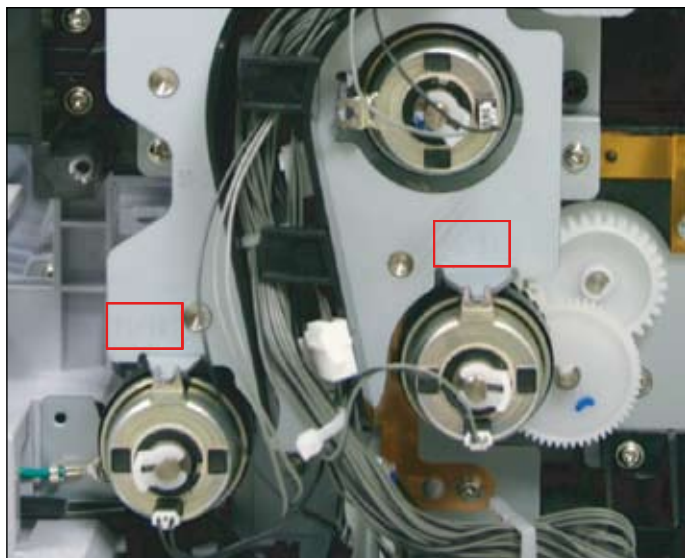
2. Unplug the harness as shown below.



Caution - Don't grip with force. It is easy to disconnect.

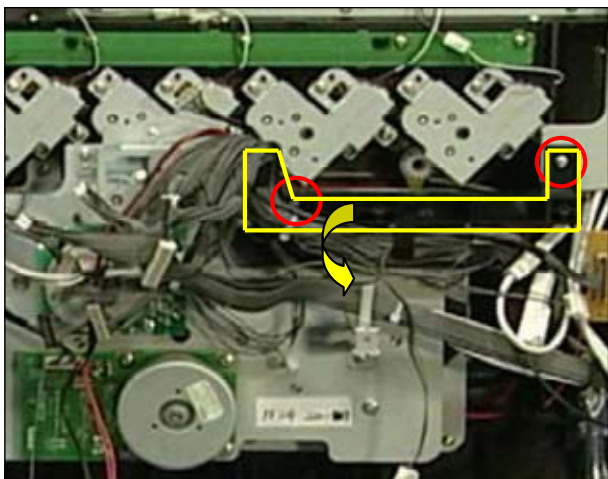
※ **Precautions**

1. When reassembling the 2 clutch below, check the harness color.
There is the incuse on the shield. B/B means black/black harness, G/B means gary/black harness.

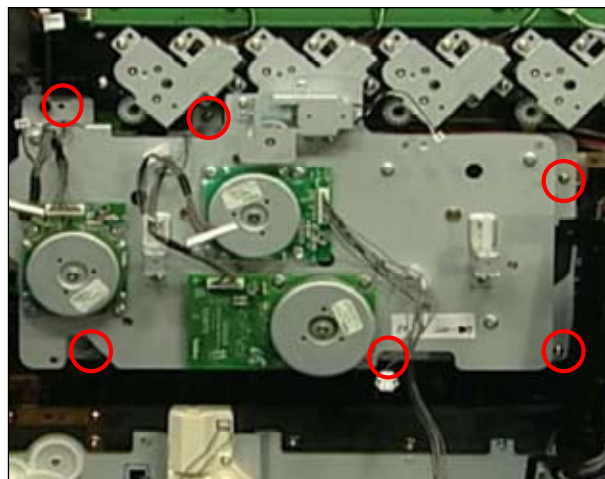


3.2.2.8 Deve Drive Unit

1. Release the harness holder in the direction of arrow after remove the 2 screws.

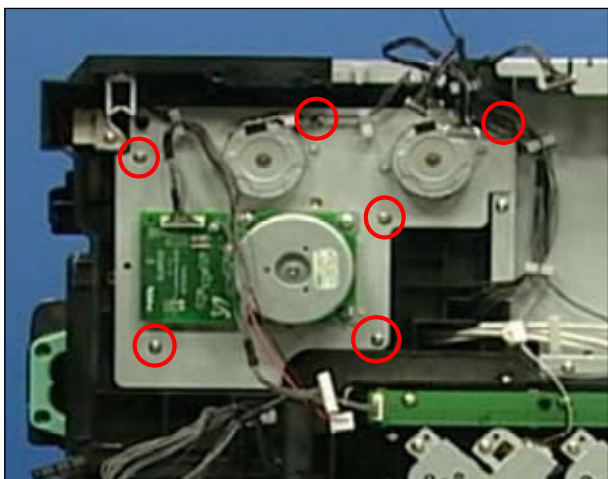


2. Remove the 6 screws, and remove the Deve Drive unit.



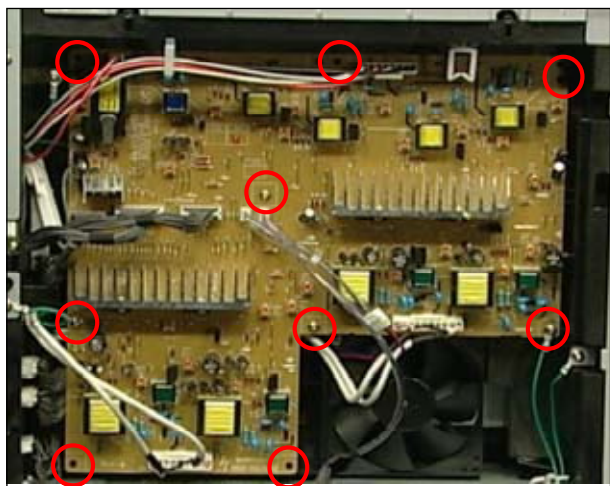
3.2.2.9 Fuser Drive Unit

1. Remove the 6 screws, and remove the Fuser Drive unit.



3.2.2.10 HVPS Board

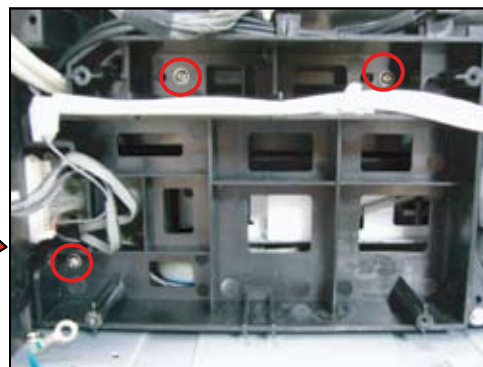
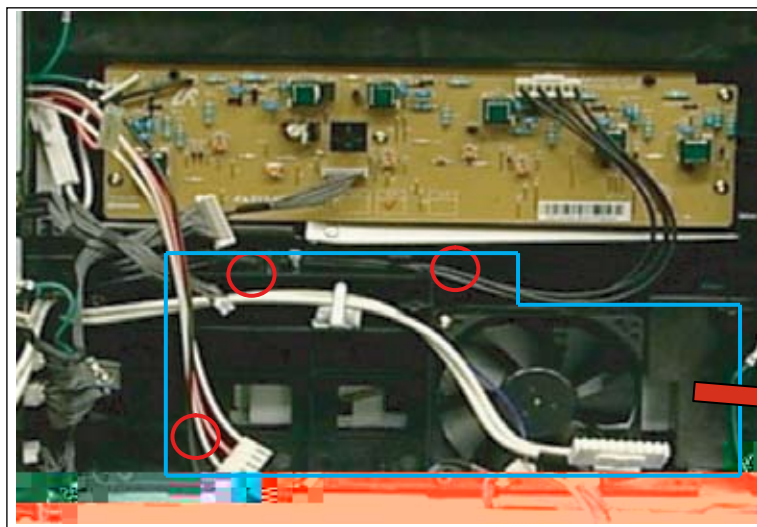
1. Remove the left side cover. (Refer to 3.2 Cover)
Unplug the all connector from HVPS(L). Remove the HVPS(L) after remove the 9 screws.



3. Unplug the all connector from HVPS(S). Remove the HVPS(S) after remove the 5 screws.

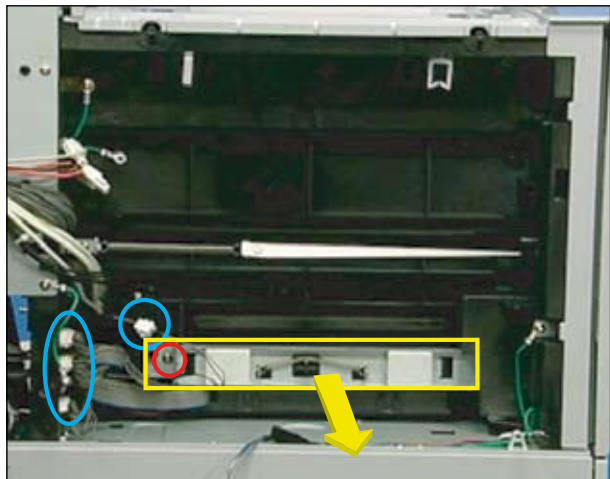


2. Remove the HVPS holder and FAN after remove the 3 screws.

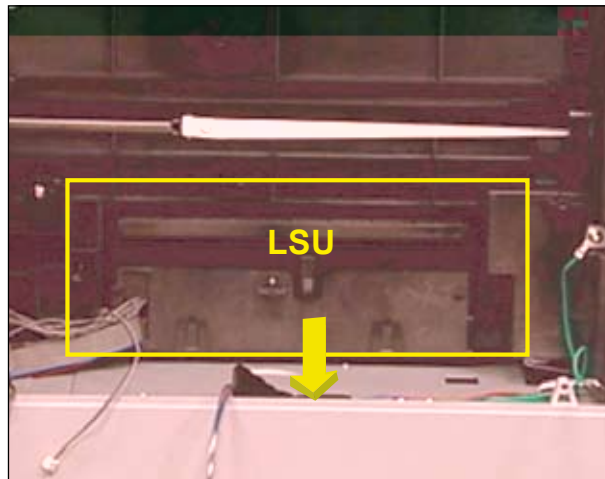


3.2.2.11 LSU

1. To remove the LSU unit, first remove the left side cover and HVPS board. Remove the all connector as shown below. And remove the LSU pusher unit after remove the one screws.



2. Take out the LSU unit.



3.2.2.12 Side Duplex

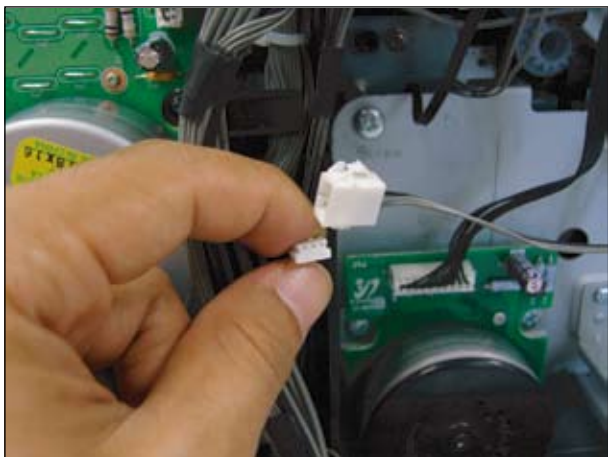
1. Remove the cover rear. (Refer to 3.2.2.1 Cover)



3. Cut the cable tie.



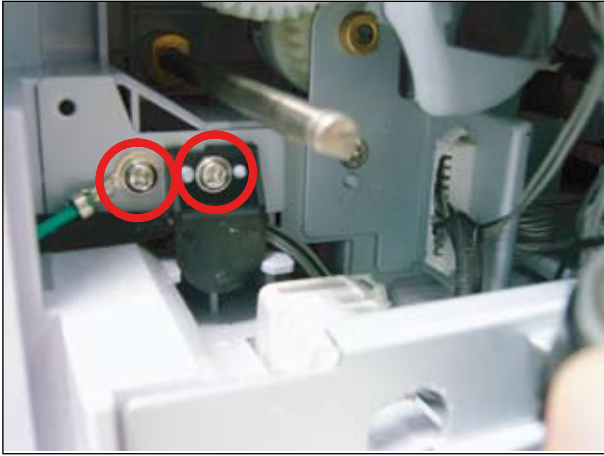
2. Find the sensor harness and unplug it.



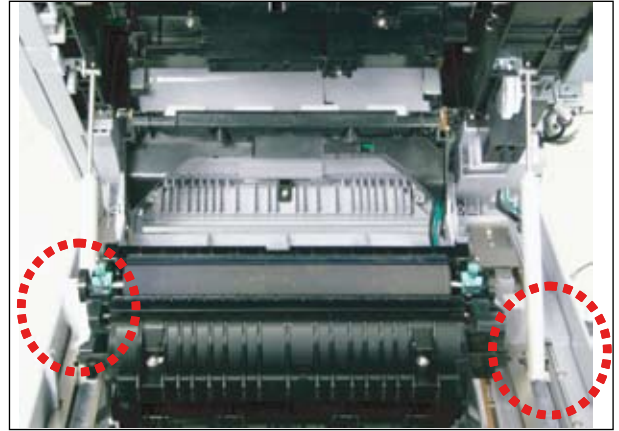
4. Remove the mold E-Ring and clutch.



5. Remove 2 screws.



7. Open the side cover (Side duplex).



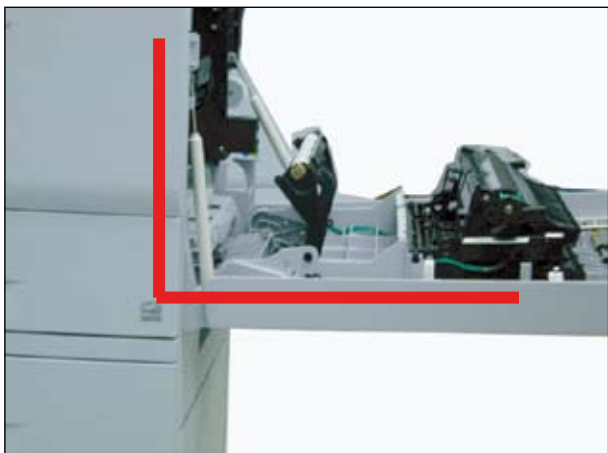
6. Unplug the connector.



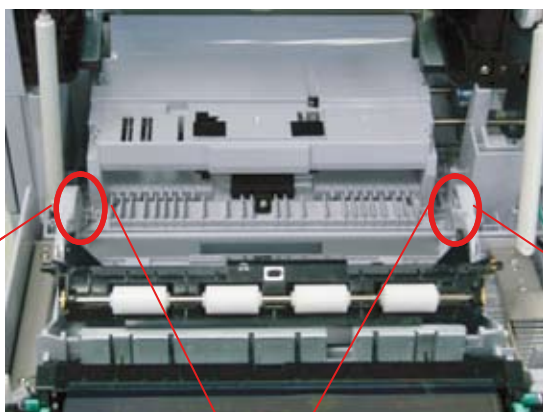
8. Release the holder from both side.



Caution - Don't open the side cover over a right angle.



9. Lift up the side duplex to remove the hook from both side. And release the side duplex.



Caution - When reassembling the side duplex, please check that both hook is put properly.

3.2.2.13 1-bin Finisher

1. Unplug the connector from the SET.



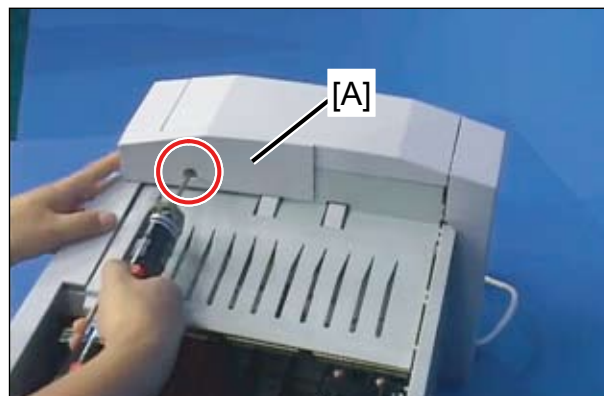
2. Pull the Finisher carefully from the SET with pushing the latch.



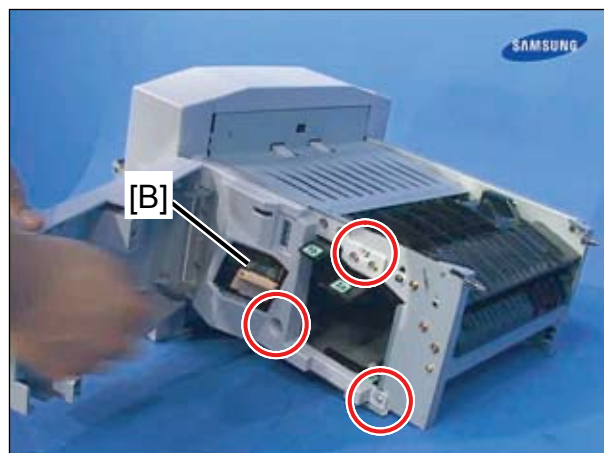
3. Push the hook and release the tray stacker.



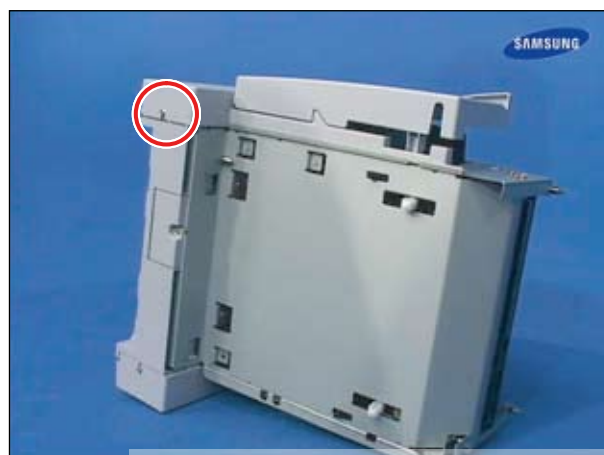
4. Release the cover scan dummy [A] after removing 1 screw.



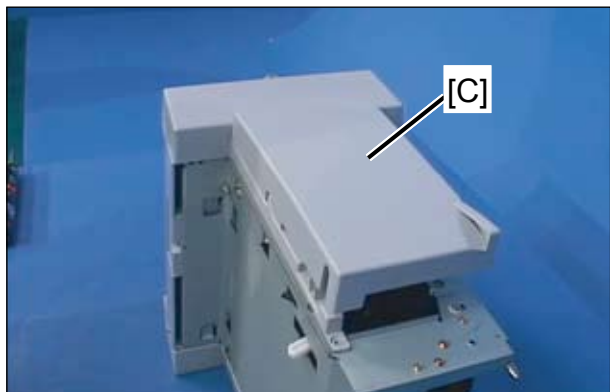
5. Take out the staple cartridge [B]. And remove 3 screws.



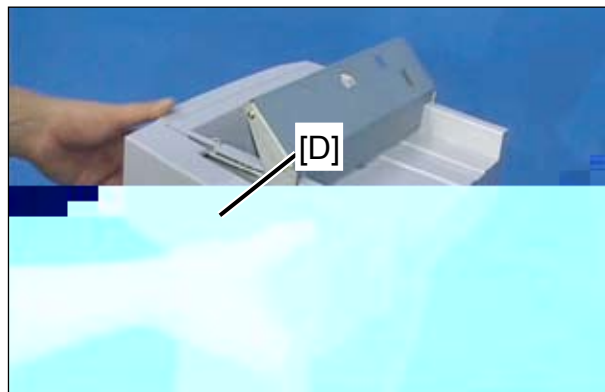
6. Remove 1 screw.



7. Release the front cover [C].



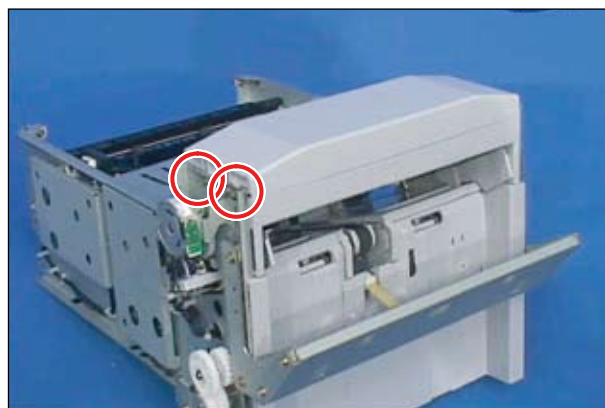
10. Release the rear cover.



8. To remove the rear cover, remove 1 screw.



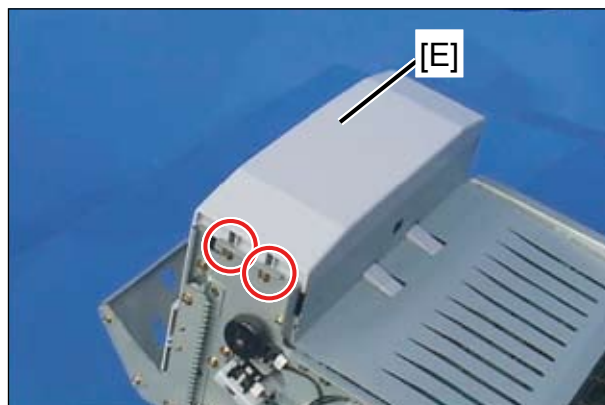
11. To remove the top cover, remove 2 screws.



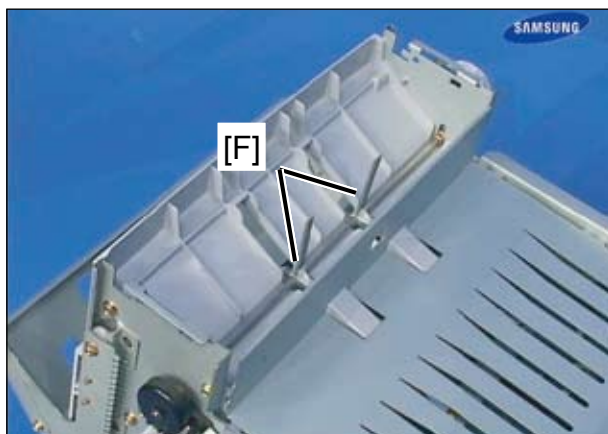
9. Remove 1 screw.



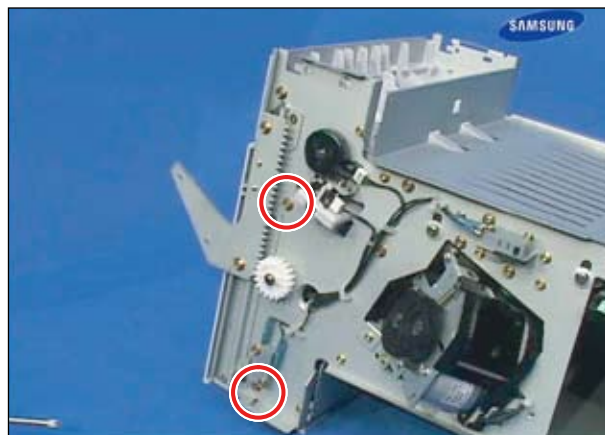
12. Release the top cover [E] after removing 2 screws.



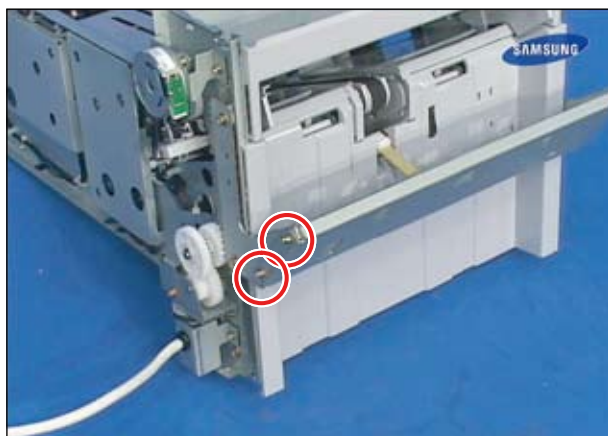
13. Release the paddle [F].



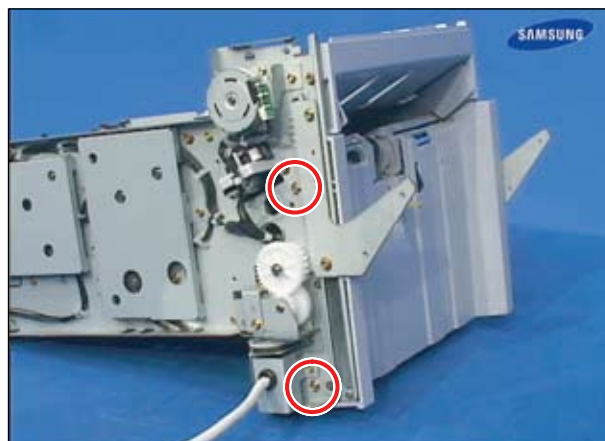
16. To remove the finisher main PBA, remove 2 screws.



14. To remove the stay stacker, remove 2 screws.



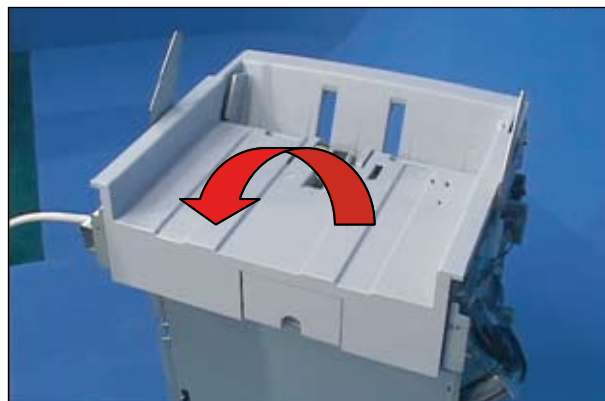
17. Remove 2 screws.



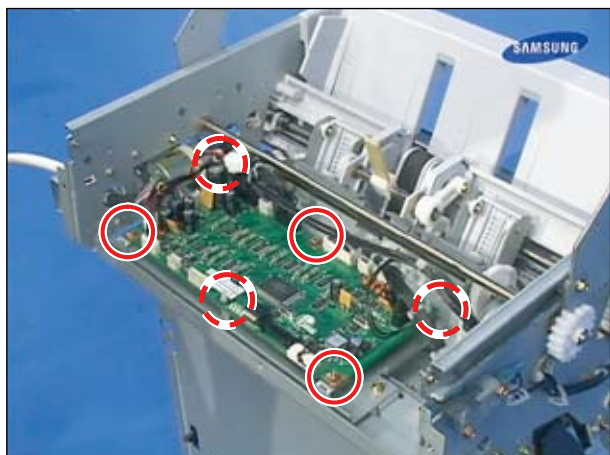
15. Release the stay stacker after removing 2 screws.



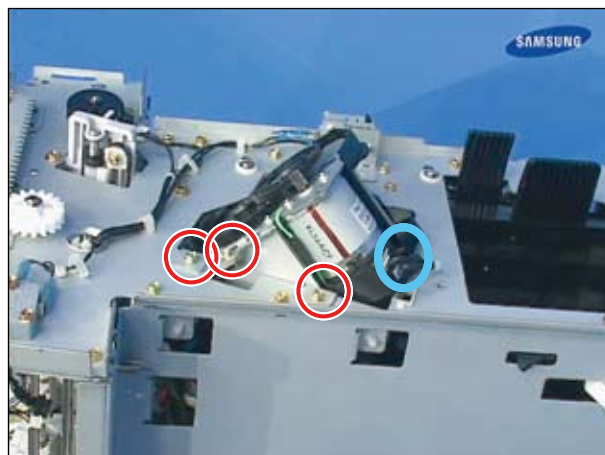
18. Lift the shield stacker up and unplug the connector.



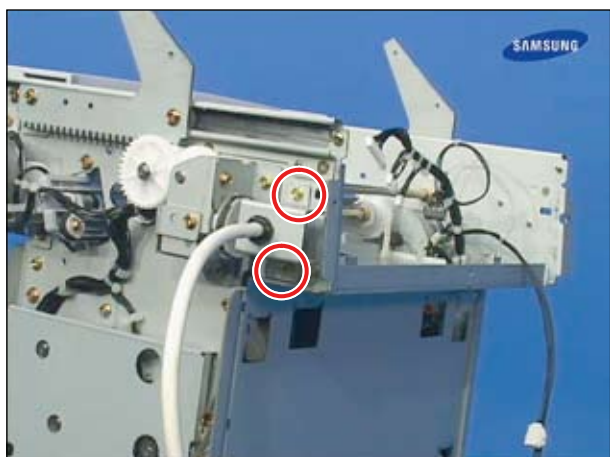
19. Unplug all connector on board. Remove 3 screws and 3 fixer. And release the PBA.



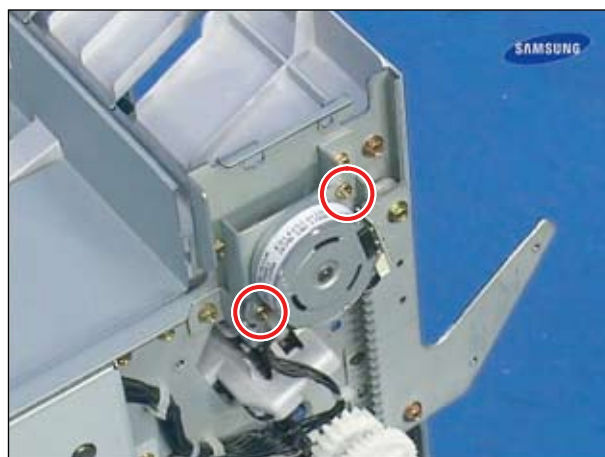
22. Unplug 2 connectors. Remove 3 screws. And release the stapler unit.



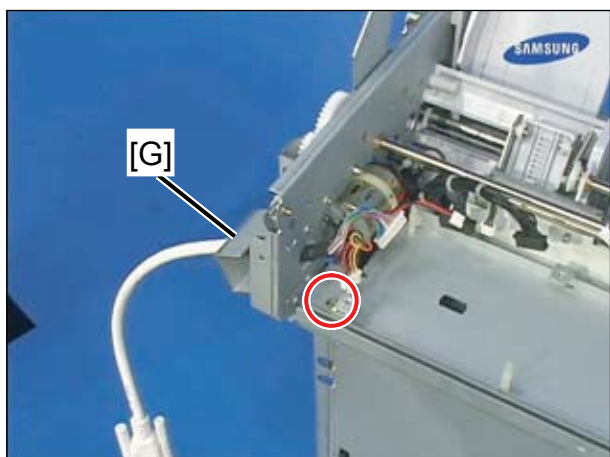
20. To remove the Finisher connector, remove 2 screws.



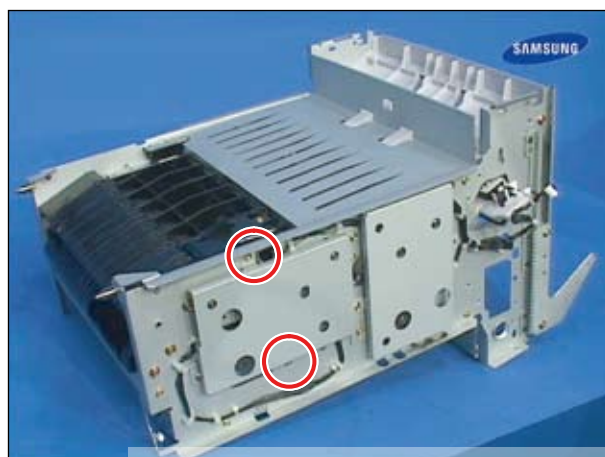
23. Remove 2 screw. Unplug the connector. And remove the motor unit.



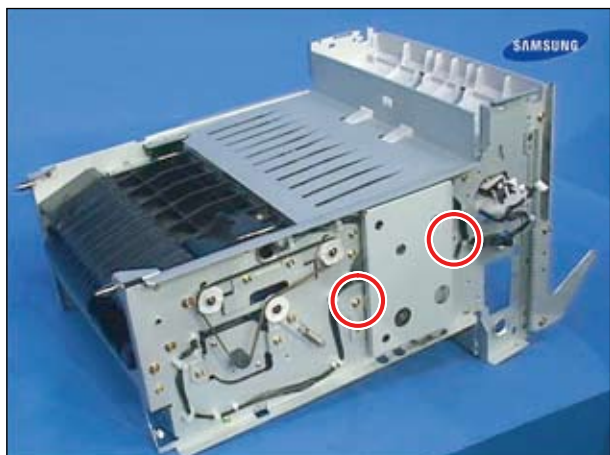
21. Release the finisher connector after removing 1 screw.



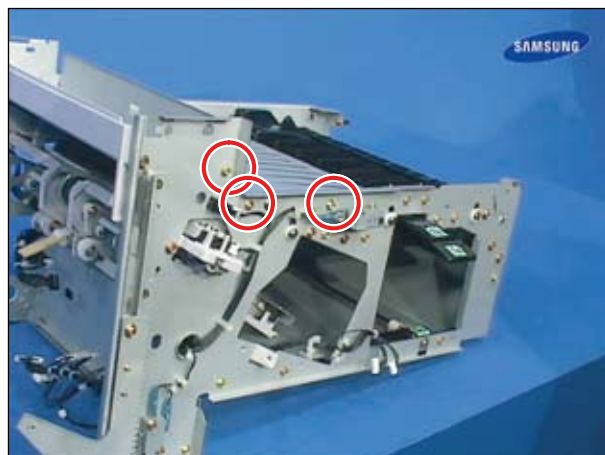
24. Release the bracket rear cover after removing 2 screws.



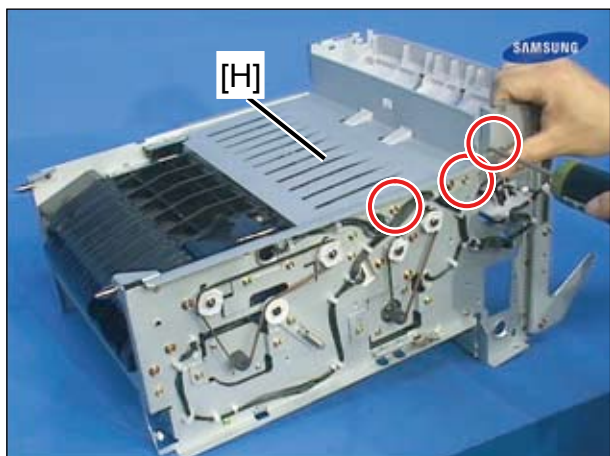
25. Release the bracket rear cover after removing 2 screws.



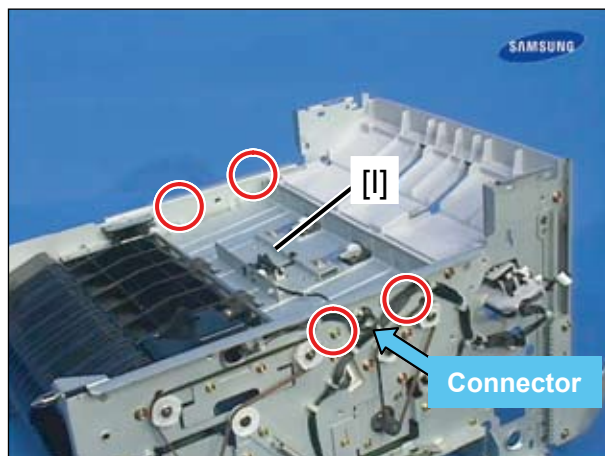
27. Lift up and release the duplex guide after removing 3 screws from the opposite side.



26. To remove the duplex guide [H], remove 3 screws.



28. Release the guide exit unit [I] after removing 4 screws and connector.

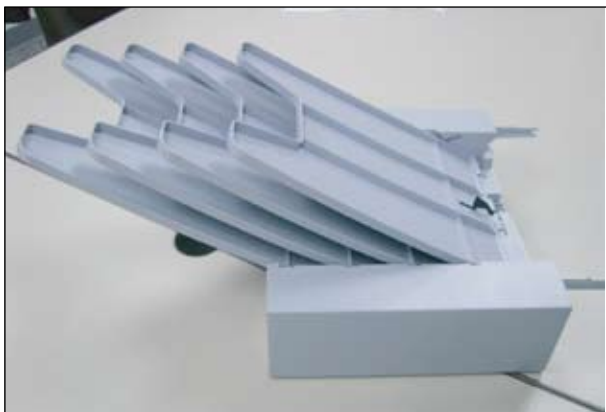


3.2.2.14 Mail box

1. Lift up Mail box Unit.



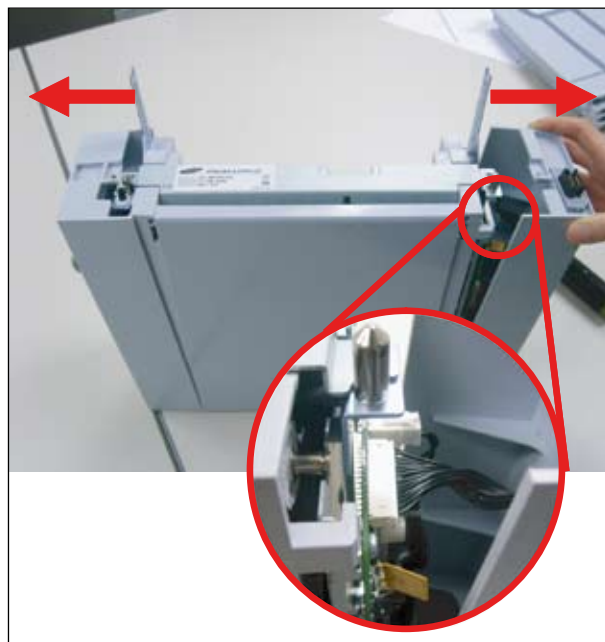
2. Remove the Stacker. (4 ea)



3. Remove 2 screws to separate front/rear cover.



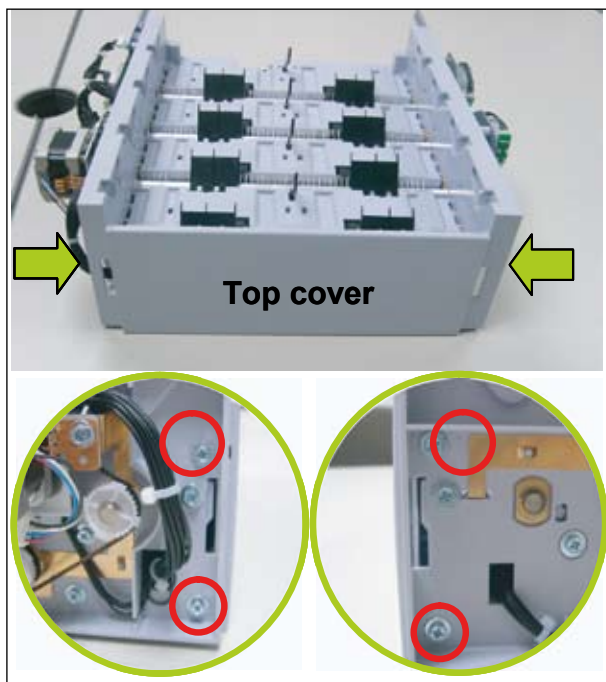
4. Remove the front cover. Separate the rear cover after remove the harness.



5. Remove the jam cover.



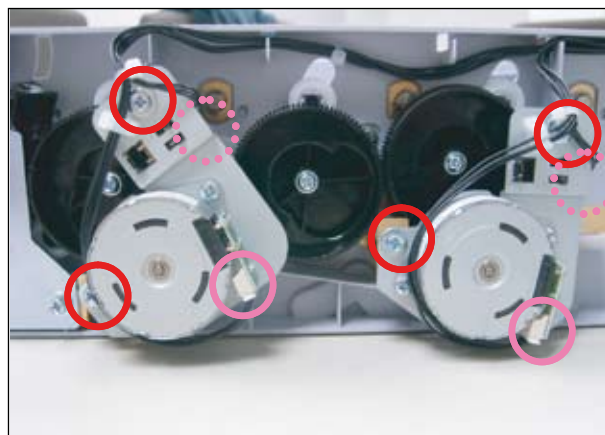
6. Remove the top cover after remove 4 screws.



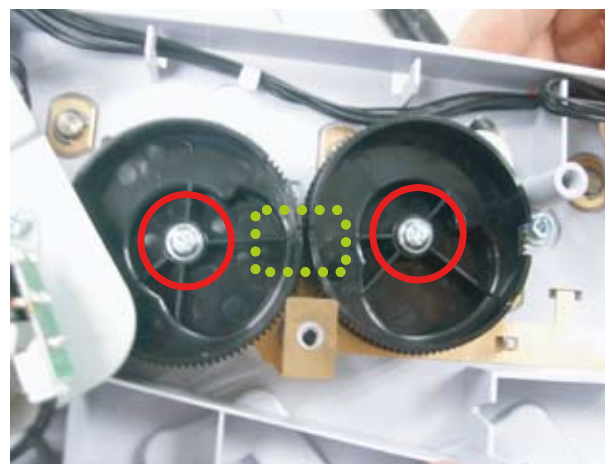
7. Open the Assy Shiled TOP. If necessary, remove switch or sensor.



8. To remove the Motor, remove 4 screws and 4 harness.

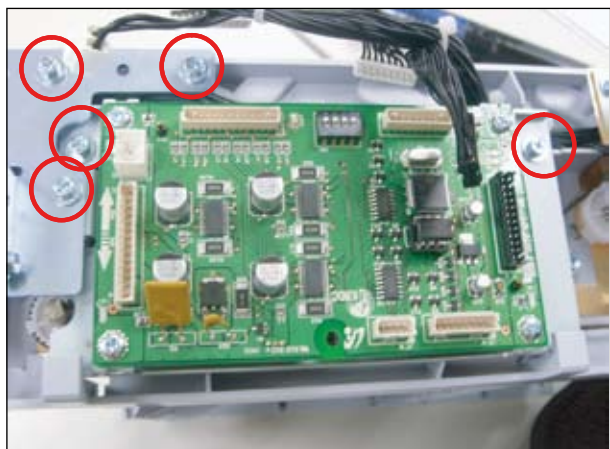


9. Remove the 2 SPUR Gear after remove screw.

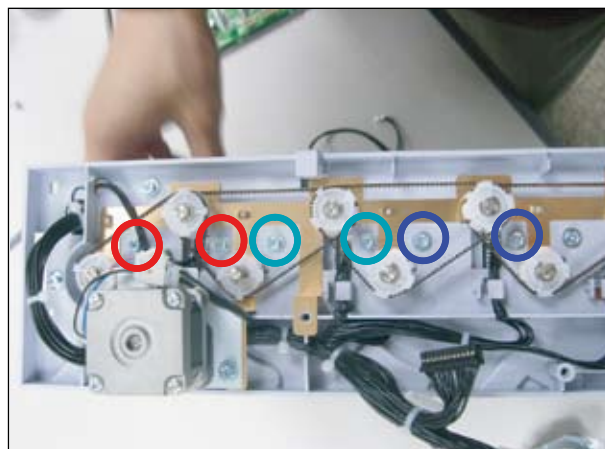


Caution
When re-assembling, align the groove of both gear.

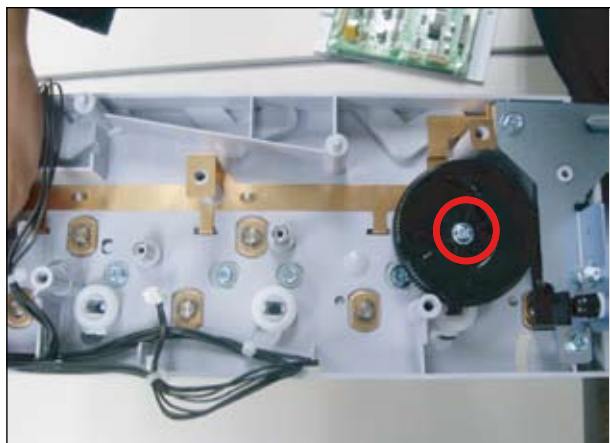
10. Separate the bracket and main board after remove 5 screws.



13. Remove 2 screws (green color) from the rear.



11. Remove the SPUR Gear after remove screw.



14. Remove the ROLLER:STACKER.



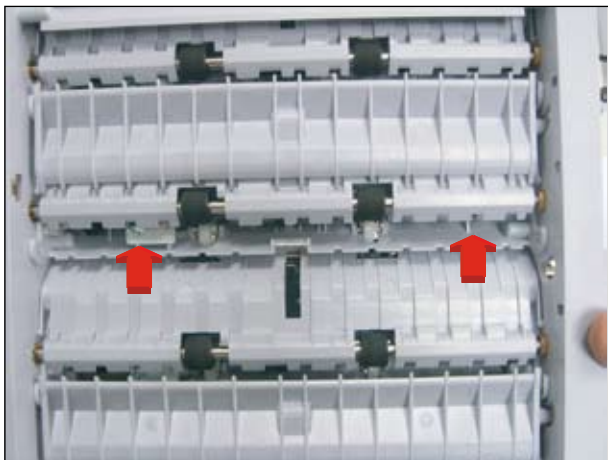
12. There are 3 Assy actuator shield. This manual describes disassembly procedure for middle shield. Remove 2 screws (green color) from the front.



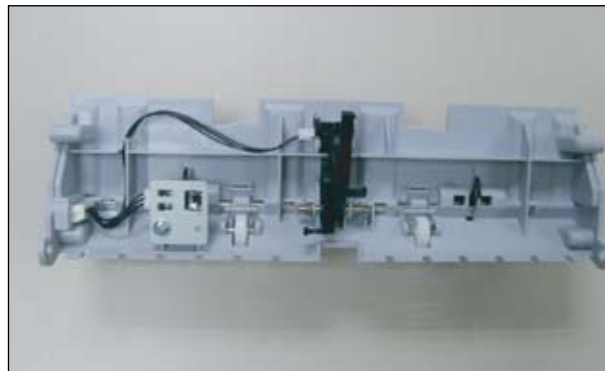
15. Remove the SEPARATE:PAWL:FEED by unhooking the side.



16. Push the Assy actuator shield to the direction of arrow. And Separate it from the opposite side.



17. Done



3.2.2.15 2-Bin Finisher

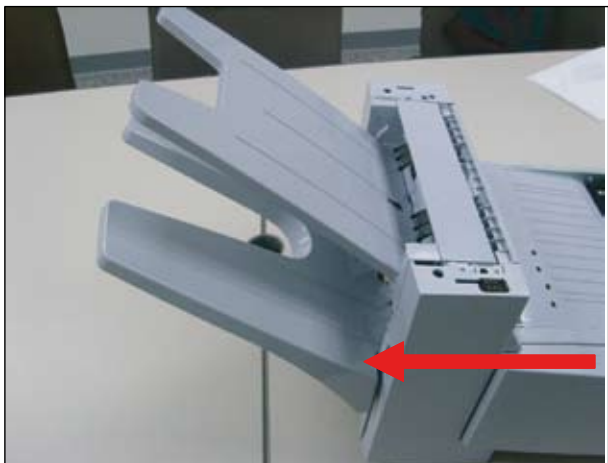
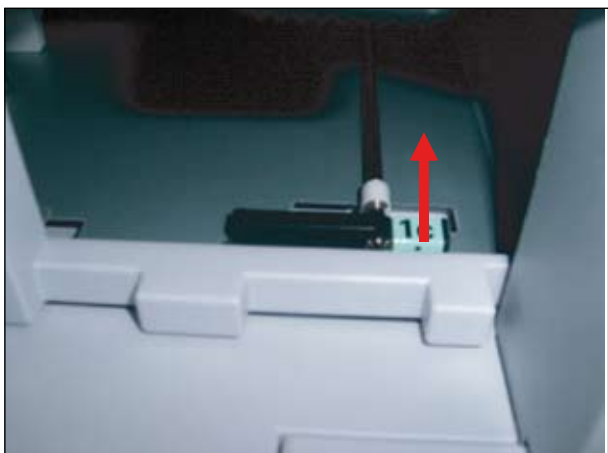
1. Unplug the connector.



3. Remove the staple cartridge.



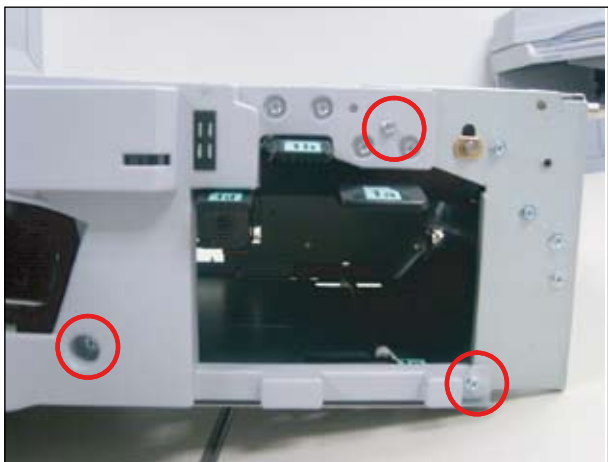
2. Keep the 1c lever pull up and remove the finisher unit from the SET.



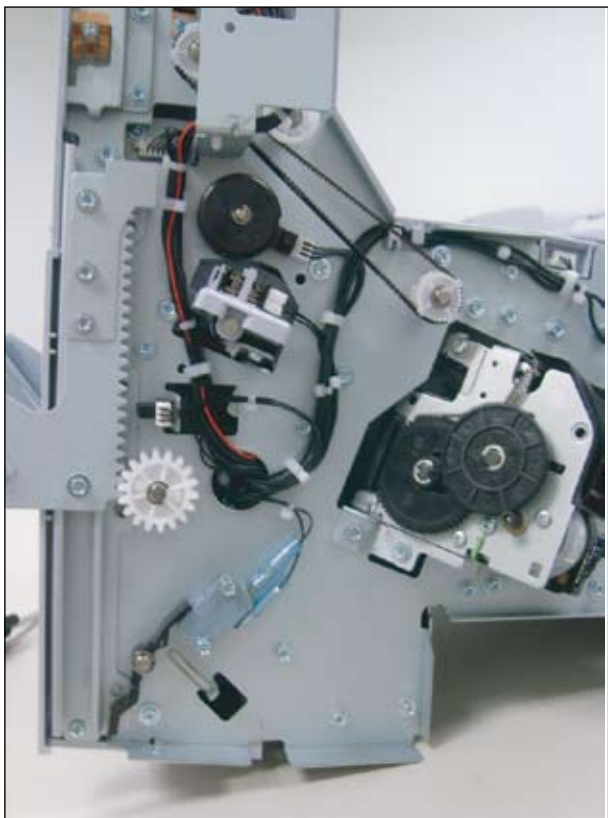
4. To remove the cover, remove the 2 screws.



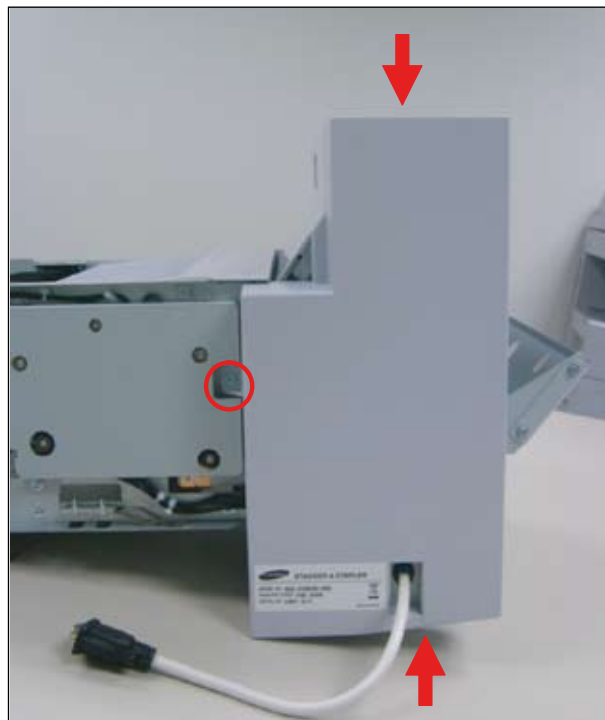
5. Remove the 3 screws.



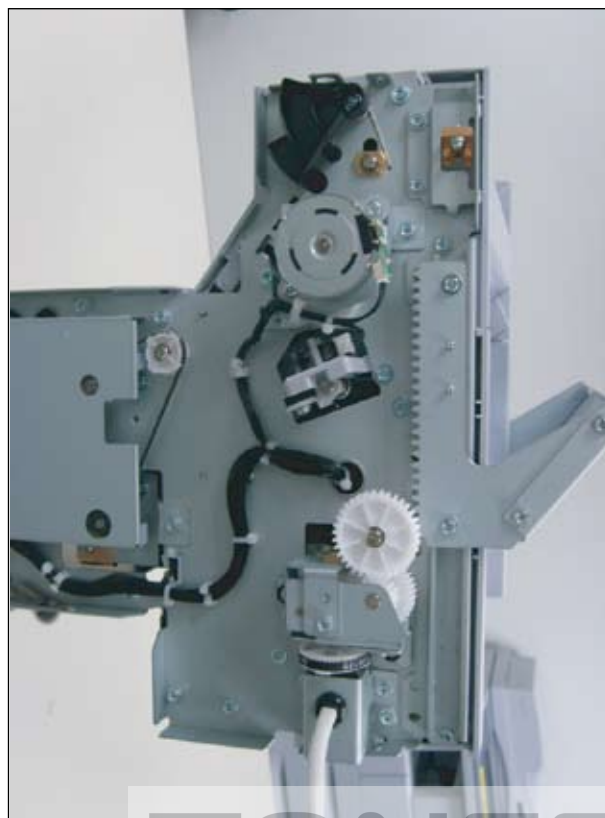
6. If some part such as sensor, switch in below picture is defective, replace it.



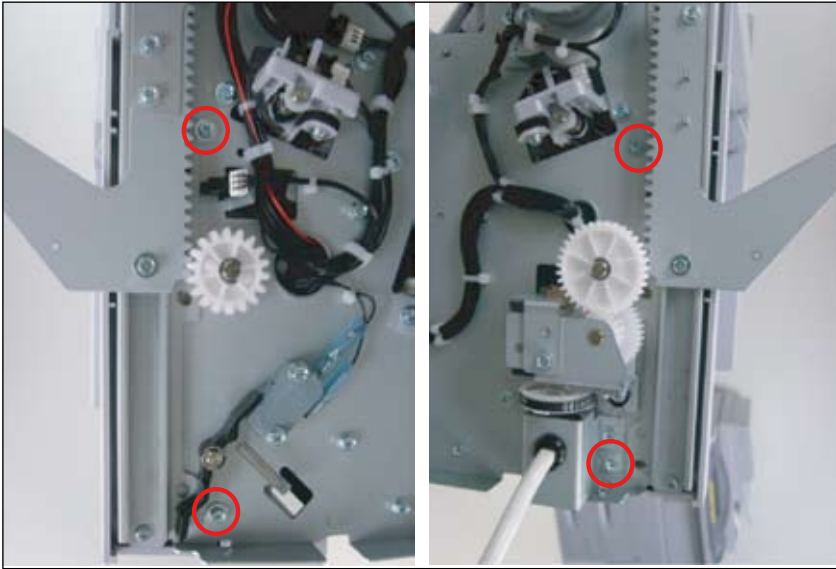
7. Remove the 3 screws and take off the cover.



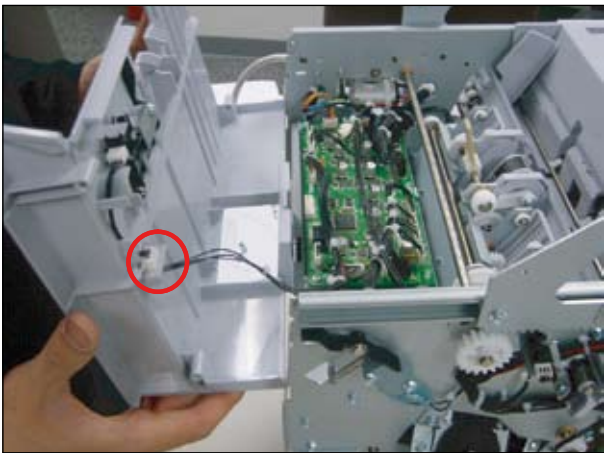
8. If some part in below picture is defective, replace it.



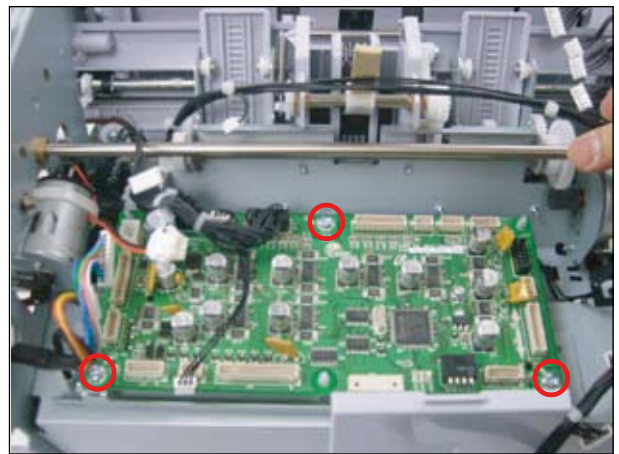
9. Remove the 4 screws from both side.



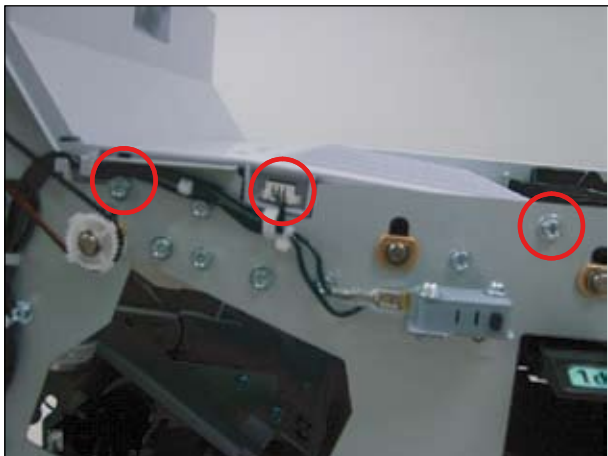
10. Open the cover and unplug the connector.



11. Remove the finisher board after remove the 3 screws.



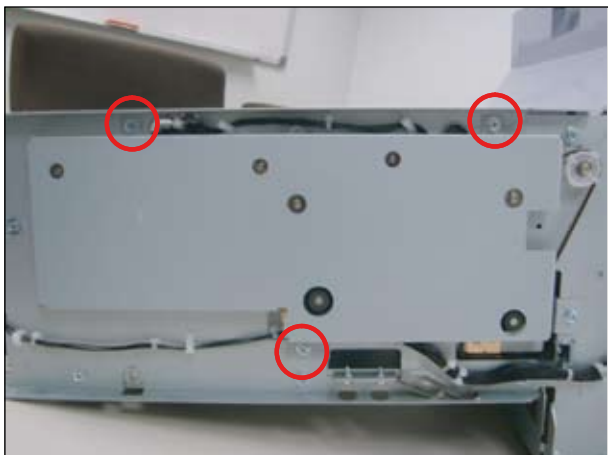
12. Remove the 3 screws.



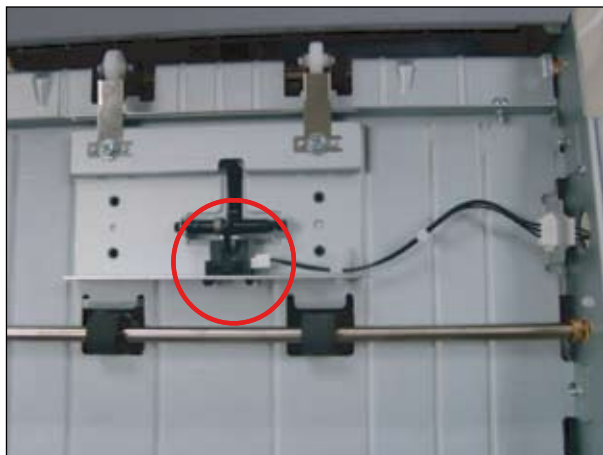
15. Remove the duplex guide.



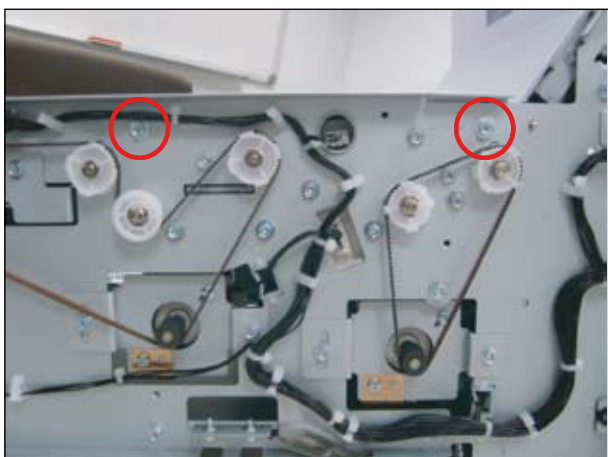
13. Remove the 3 screws.



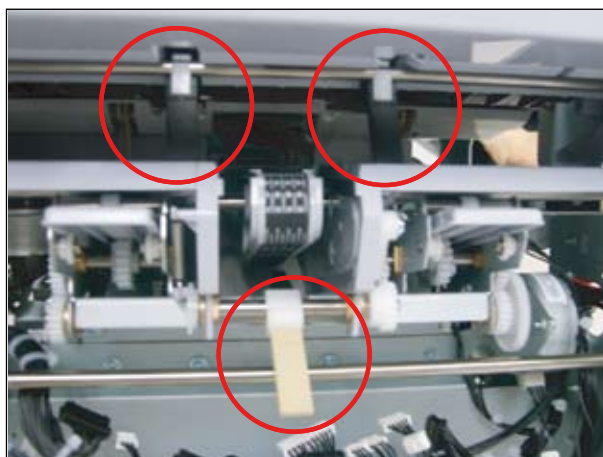
16. Remove the sensor.



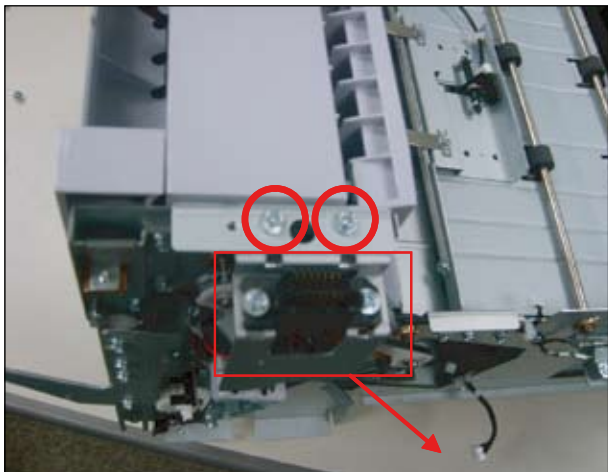
14. Remove the 2 screws.



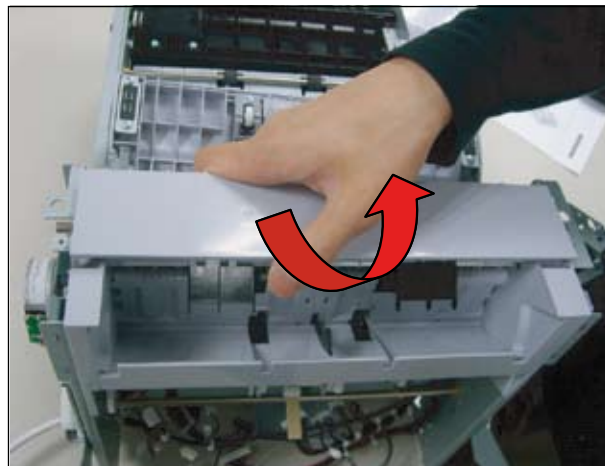
17. Remove the paddle.



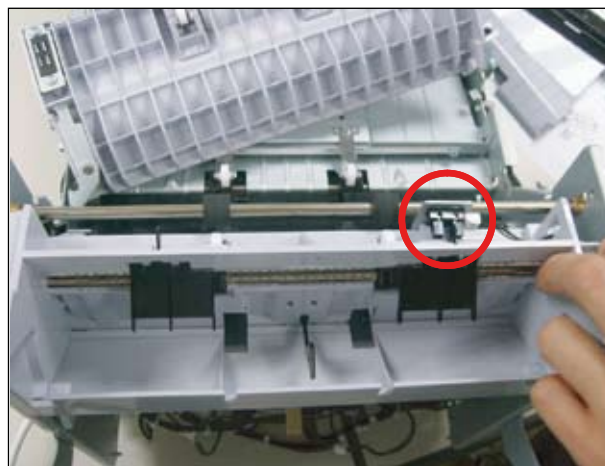
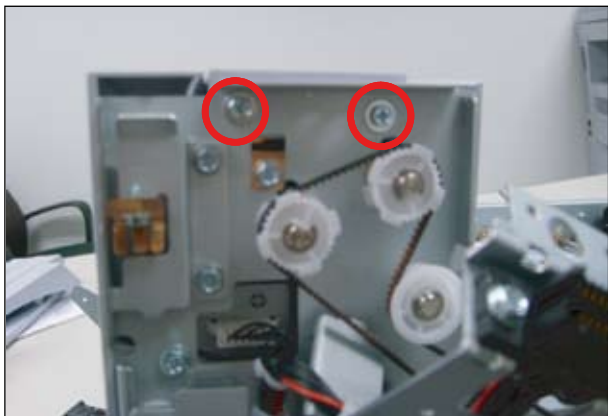
18. Remove the 2 screws.



21. Open the top cover. If necessary, remove the sensor.



19. Remove the 2 screws.



20. Remove the 2 screws.

