

Object : PRODUCT DOCUMENT
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TYPE : pse_Scrap_Manual
AUTHOR : meu

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CHANGE HISTORY

TASK	: TSK0026136	MOD_AUTHOR: meu	REVISION: 02
MOD_DESCR	: CREATED		

Statement of Scrap Compliance

Project : Shanghai

Model : Océ 01076

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1. OTS-8017 Scrap manual

The scrap manual is required according to OTS 8017, and for EPEAT compliance. For details on the latter, see IEEE 1680 Family of Standards for Environmental Assessment of Electronic Products, section 4.3.3.1&4.3.4.1.

- Scrap parts are marked as critical parts in the Safety Index (SI00001545) on part- and info-level.
- Every SI00001545 marked part has an AVS-/TVS/RVS-code as specified in the remark field

The Beijing engine contains following materials and components for which separation is compulsory:

Materials and Components	Details	AVS-code	RVS-code	TVS-code	Applicable (YES/NO)
Asbestos-containing components	Brake couplings in diazo equipment	E2			No
Batteries	Separate batteries (for batteries on printed circuit boards: see below: printed circuit boards)	Q			Yes Item 6, page 9
Beryllium containing components	Peltiers elements, triacs, components of beryllium alloys etc	J.4			No
Black toner and developer powders	B1 toner and D1 developer cassettes, cleaning tray, filters, etc (containing B1 toner or D1 developer)	W			Yes Item 1, page 6 Item 2, page 6 Item 3, page 7 Item 7, page 11 Item 9, page 11 Item 27, page 30
	Various other black (Océ) toners, toner cassettes, cleaning tray etc.	U			No
Coloured toner and developer powders	All coloured toners and developers, cassettes, cleaning tray, filters etc (containing colour toner)	II			No
Components which contain liquid	Capacitors	R			No
	Oil dampers	X			No
	Components which contain silicone	S			No
	Oil	O or V			No
	(Océ) toner liquid (cassettes); ink cassettes	V			No
Computer equipment	Cathode ray tubes, monitor, LCD screens, LED bars	J.2			Yes Item 4, page 8 Item 5, page 9 Item 15, page 19
Electrical wire harness	Electrical cables		901		Yes All cables and harnesses
Gas discharge lamps	Fluorescent lighting tubes, mercury vapour lamps, energy-saving lamps, sodium lamps, neon lamps, etc	QQ			No
Gas springs	Various gas springs		906	139 166	No
Hotmelt inks	Various hotmelt inks	V			No

Liquids	Waste oil	D			No
	Silicone oil	S			No
	(Océ) cooling liquids	G or O			No
	(Océ) toner liquids, concentrates, replenishers, inks, etc	O or V			No
	Developer G-materials	LLL			No
	Developer A-and D-materials	O or V			No
Magnetic materials ¹	Developing/magnetic rollers		910	015	Yes Item 8, page 11 Item 10, page 11 Item 11, page 11 Item 12, page 12 Item 26, page 29
Mercury containing components	Mercury switches, relays, thermostats, backlighting lamps	J		026	No
Photoconductors	Selenium drum	JJ			No
	Arsenic selenide or cadmium sulphide drums	X			No
	Zinc oxide master	ZZ			No
	OPC master	N			No
	OPC drum	J.3			Yes Item 13, page 15
Plastic parts that contain brominated flame retardants	Cover plates		380		No
Printed circuit boards	Various printed circuit boards, including mounted batteries		902		Yes Item 14, page 16 Item 16, page 19 Item 17, page 20 Item 18, page 20 Item 19, page 21 Item 20, page 22 Item 21, page 23 Item 22, page 25 Item 23, page 26 Item 24, page 26 Item 25, page 28

Although not mentioned in the current version (02) of OTS 0817, the following materials were also marked as critical part:

Materials and Components	Details	AVS-code	RVS-code	TVS-code	Applicable (YES/NO)
Intermediate with glass material	Glass product with rubber and metals				No
Glass plate	Glass plates, due to injury risks during recycling		610		No
Mirror	Glass mirrors, due to injury risks during recycling		90		No
CCD lens	Lenses with glass opticals		90		No
Strong magnets			610		No

¹ According to RVS910, this applies to magnets with a field strength >60 mT

2. Explanantion AVS/TVS/RVS-codes

An explanantion of all AVS, TVS and RVS codes can be found documents that can be found on the Océ intranet.

An overview is shown in the following table.

NeV	22P01	2001-08-21	<i>Procedure bedrijfsreststoffen</i>
NeV	22P01-1	2001-06-28	<i>Overzicht RVS-bladen (bijlage 1 van 22P01)</i>
NeV	22P02	2001-10-17	<i>Procedure gevaarlijk afval / Procedure chemisch afval</i>
NeV	22P02-1	2001-02-21	<i>Overzicht AVS-bladen (bijlage 1 van 22P02)</i>
NeV	23V02	2007-03-19	<i>Transportvoorschriften voor het vervoer van gevaarlijke stoffen</i>
NeV	23V02-A	2007-03-19	<i>Transportvoorschriften voor het vervoer van gevaarlijke stoffen - A</i>
NeV	23V02-B	2007-03-19	<i>Transportvoorschriften voor het vervoer van gevaarlijke stoffen - B</i>
NeV	23V02-C	2007-03-19	<i>Transportvoorschriften voor het vervoer van gevaarlijke stoffen - C</i>

The procedures for each individual code are found in separate procedure documents through the same intranet.

With the above documentation, this means that the end-of-life characterization report for substances according to WEEE Annex II is made available to our (internal) reuse and recycling facility, and is available upon request to other organizations, according to EPEAT requirement 4.3.4.1.

3. Item list

Item	PartNumber	Title	Page
1	1070056274	END, BOTTLE DEV PW3X0 SER AND PW500	6
2	1070035959	END, BOTTLE TONER PW500	6
2	1070066406	END, BOTTLE TONER PW500	6
3	1060075207	CONTAINER, RESIDUAL-TONER ASSY	7
4	1070050368	LOCAL USER INTERFACE	8
5	1070032215	CONTROLLER_T10_V1	9
6	-	BATTERY	9
7	1070056186	TONER DOSAGE UNIT	11
7	1070062692	TONER DOSAGE UNIT	11
8	2912595	MAGNET	11
9	1070053105	DEVELOPING, ASSY	11
10	1060059760	MAGNET ROLL	11
11	2977697	STRIP, MAGNET	11
12	2977582	MAGNET	12
13	1070038093	OPC DRUM DIGITAL ASSY WRAPPED	15
14	1070012301	SCANNER EXPRESS II	16
14	1070065286	SCANNER EXPRESS III	16
15	1070004409	PRINthead, ODI A3	19
16	1070041788	PBAP, PH_INTERFACE	19
17	1070027384	PBAP, DIOC-ASSY	20
18	1060121976	PBAP, SPIDER CORE	20
19	1070050223	PBA, HIGH-VOLTAGE-SUP	21
20	1070034220	PBAP, PSM	22
21	1070036871	REGULATED POWERSUPPLY PW500	23
22	1070011491	PBA, BUTTON	25
22	1070077879	PBA, BUTTON	25
23	1070047331	PBA, ERASER	26
24	1060033896	PBA, GRID-VOLTAGE	26
25	1070045922	PBAP, DIOX-ASSY	28
26	1006482	MAGNETIC CATCHER	29
27	2926715	FILTER	30
28	1070088962	PBAP DIOX ICS ASSY	28
29	1070061591	PBA, USB2_RS232-ASSY	28

4. Photos and descriptions

4.1 Bottle Developer

- Item 1: 1070056274 - END, BOTTLE DEV PW3X0 SER AND PW500



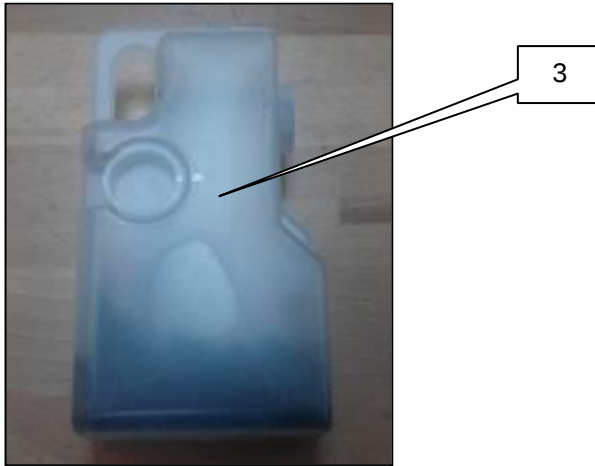
4.2 Bottle Toner

- Item 2: 1070035959 / 1070066406 - END, BOTTLE TONER PW500



4.3 Toner Residual Container

- Item 3: 1060075207 - CONTAINER, RESIDUAL-TONER ASSY



Removing procedure:

Open door cover; pull out CONTAINER, RESIDUAL-TONER ASSY (Item 3).



4.4 User Interface

- Item 4: 1070050368 - LOCAL USER INTERFACE



Removing procedure:

Remove the COVER BACK SNAP, COVER FOOT BACK, COVER HINGE UPPER.

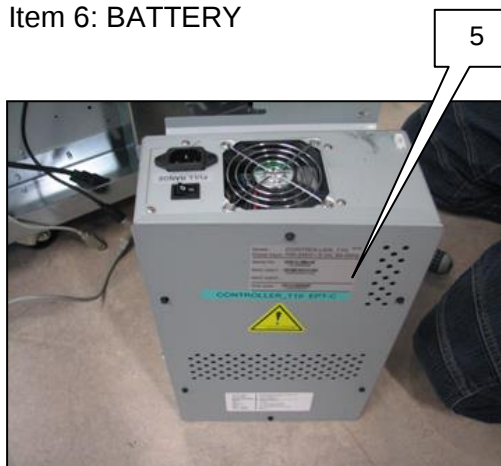


Unhook CABLES (3x), remove SCREWS (4x) to remove Local User Interface (Item 4).



4.5 Controller and Battery

- Item 5: 1070032215 - CONTROLLER_T10_V1
- Item 6: BATTERY



Removing procedure:

Open the upper media drawer.



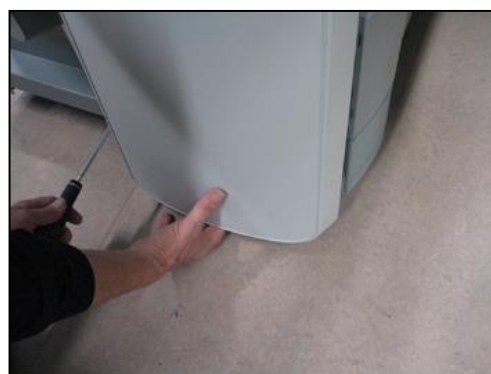
Remove the screw.



Loosen the screw.



Push the screw into frame & pull at the cover to remove it.



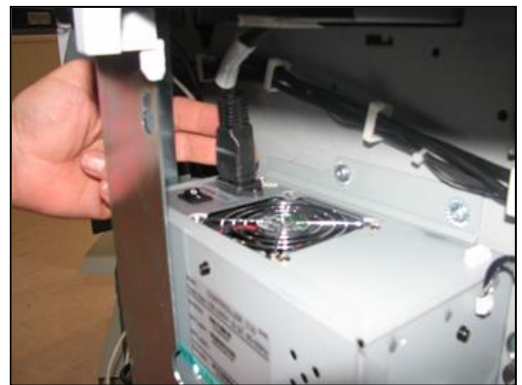
Remove screw of the air duct above the controller.



Remove the air duct.



Disconnect all connectors.



Remove screws(2x).



Removing the Controller (Item 5).

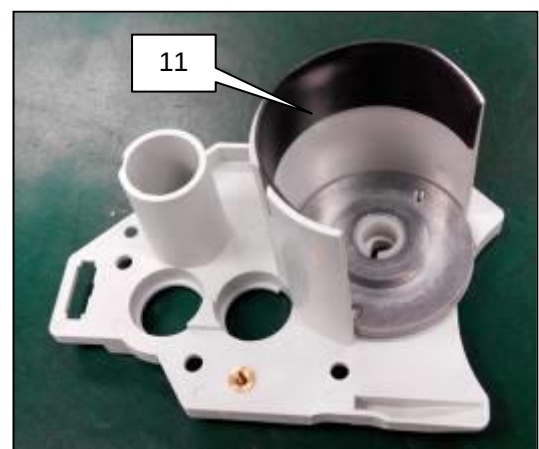
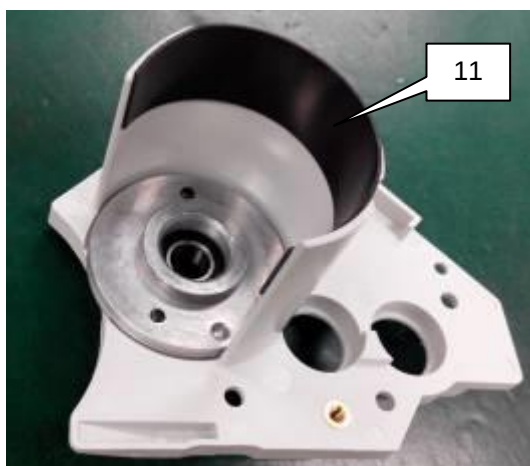
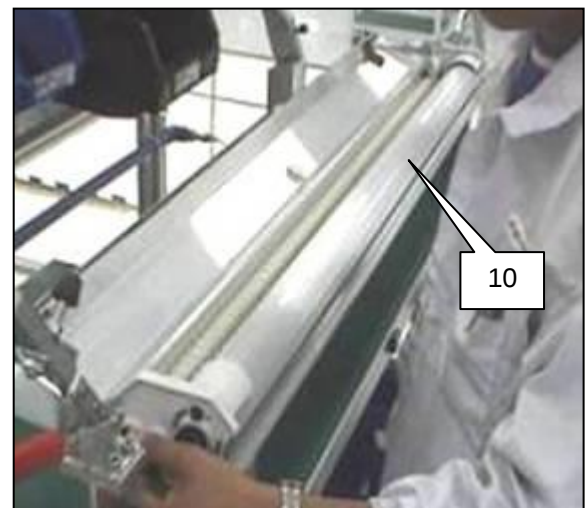
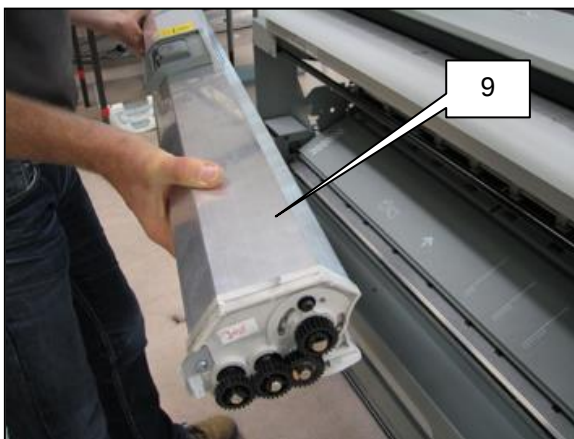
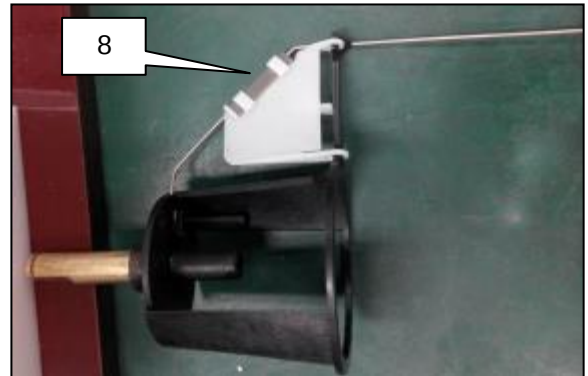
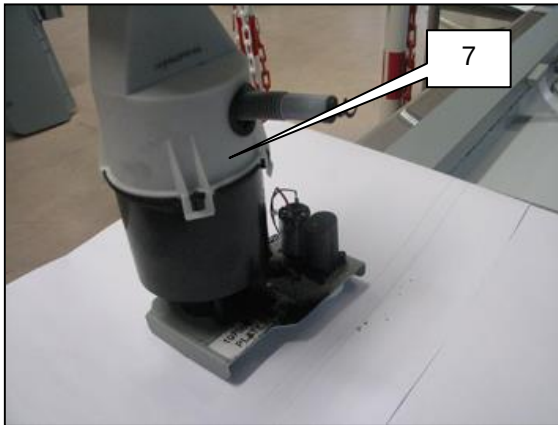


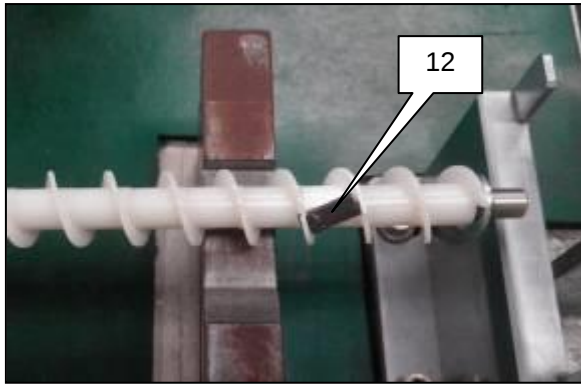
Remove lid on Controller to retrieve battery (Item 6).



4.6 Developer Assy, Toner Dosage Unit, Magnet Roll, Strip Magnet and Magnets

- Item 7: 1070056186 / 1070062692 - TONER DOSAGE UNIT
- Item 8: 2912595 - MAGNET
- Item 9: 1070053105 - DEVELOPING, ASSY
- Item 10: 1060059760 - MAGNET ROLL
- Item 11: 2977697 - STRIP MAGNET
- Item 12: 2977582 - MAGNET





Removing procedure:

Open the Toner compartment.



Lift cover from printer for removal.



Remove screws (2x) from the cover.



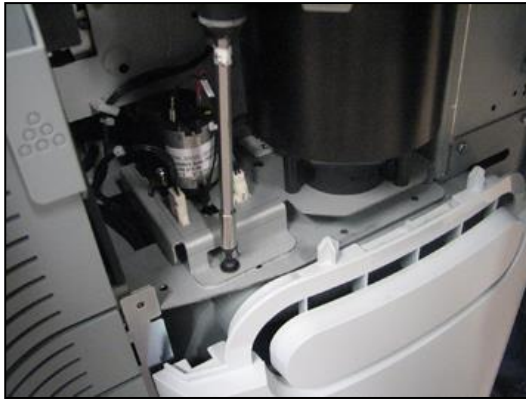
Open the fuser



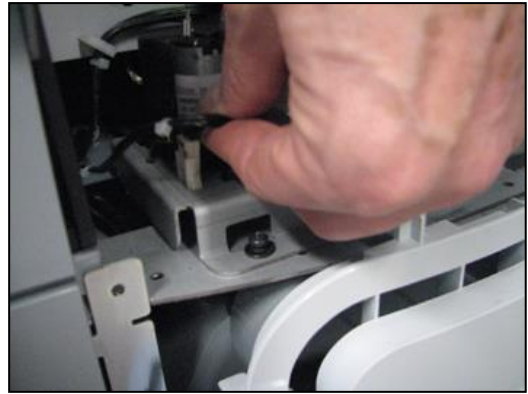
Remove screws (2x) from the toner supply unit.



Remove screw.



Disconnect all connectors.



Remove toner supply unit (Item 7).



Release catches (3x) to open unit and vacuum clean the toner powder.



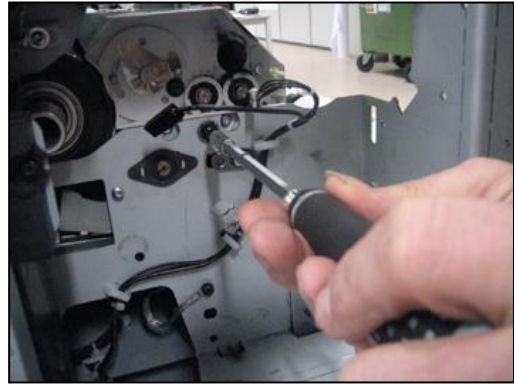
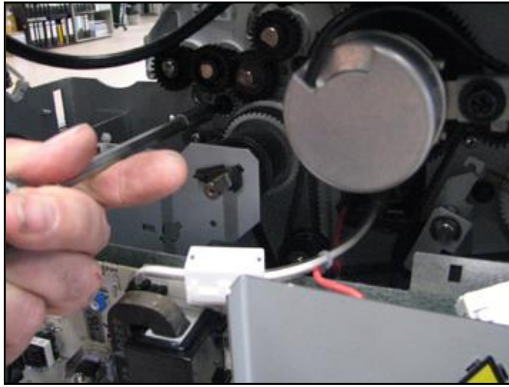
Remove Rotor unit to reach Magnet (Item 8).



Disconnect all connectors on both side of the Developer Unit.



Remove screws (2x) on left & right side of the Developer Unit.



Slide the Developer Unit (Item 9) to the front and remove it.

Remove tapes on Developer Unit L&R ends.



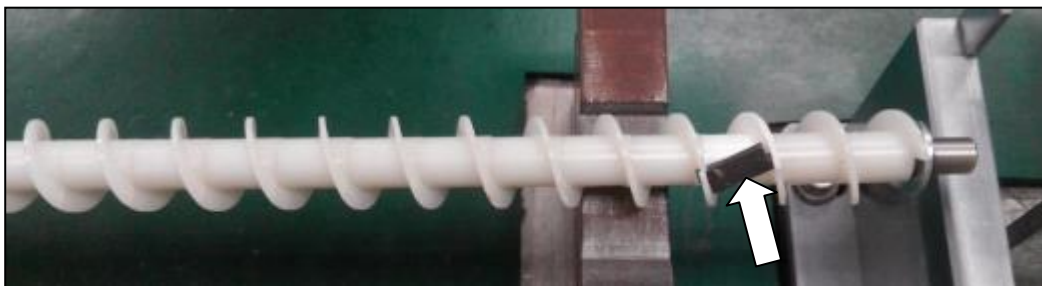
Open cover of Developer unit and vacuum clean the developer powder. Remove all screws and fasteners on both ends to remove the Frame Left and Right Assy and Magnet Roll (Item 10).



Remove Strip Magnets (2x) (Item 11) from the Frame Left and Right Assy.



Remove Spiral Assy (2x) and vacuum clean it for the developer powder to reach Magnet (2x) (Item 12).



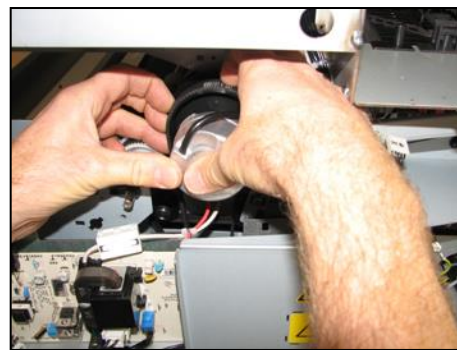
4.7 OPC Drum

- Item 13: 1070038093 - OPC DRUM DIGITAL ASSY WRAPPED



Removing procedure:

Disconnect connectors and drive belt.



Remove Encoder.



Remove OPC Drum (Item 13).



4.8 Scanner

- Item 14: 1070012301- SCANNER EXPRESS II, or
- Item 14: 1070065286 - SCANNER EXPRESS III



Removing procedure:

Lift the plate to unhook.



Open the lower front cover.



Lift the lever at the left and right side and lower the guide plate.



Loosen screw (2x) and turn it out halfway.



Pull at the handle at the left and right side.



Lift access cover and lock it into position.



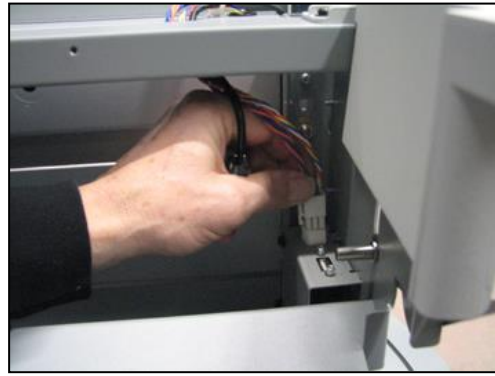
Pull at the handle at the left and right side.



Remove the upper front cover.



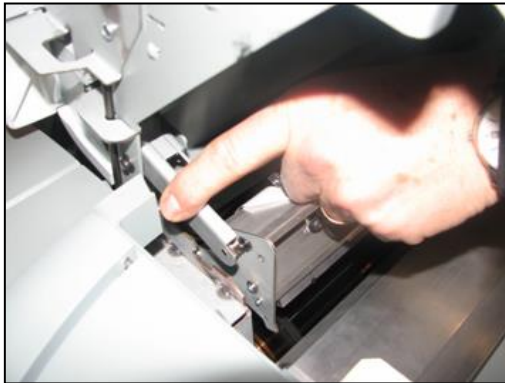
Disconnect all connectors.



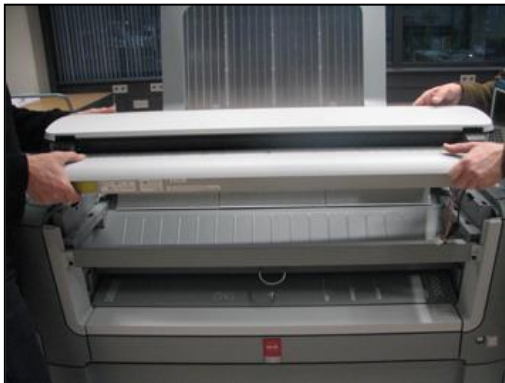
Remove locking screws (2x).



Unlock and close the Easy Access Cover.

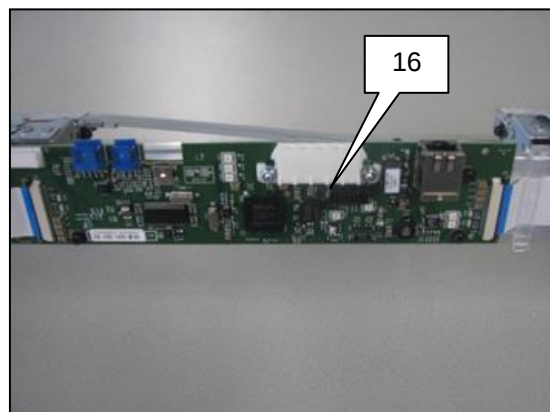
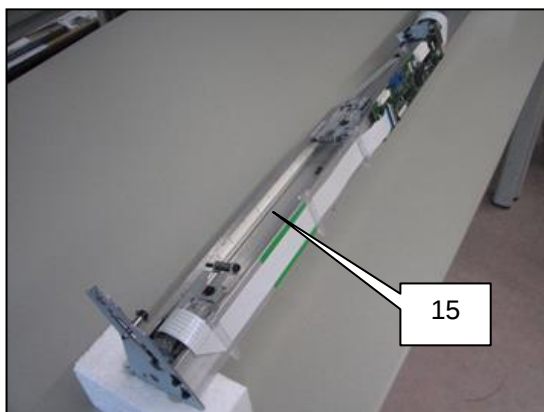


Slide the scanner to the front and lift the scanner to remove (Item 14).



4.9 Print head and PBA, PH_Interface

- Item 15: 1070004409 - PRINthead, ODI A3
- Item 16: 1070041788 - PBAP, PH_INTERFACE



Removing procedure:

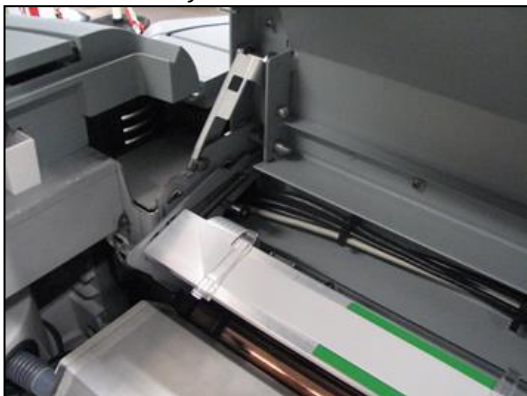
Disconnect all connectors.



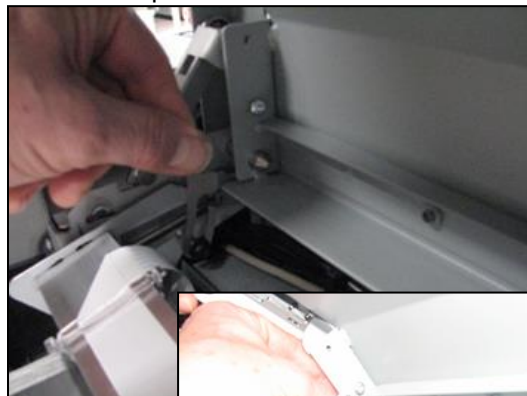
Remove screw.



Unlock the Easy Access cover and lower it.



Unhook the print head at L&R side.



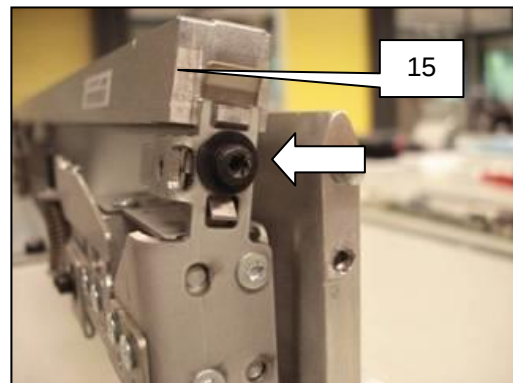
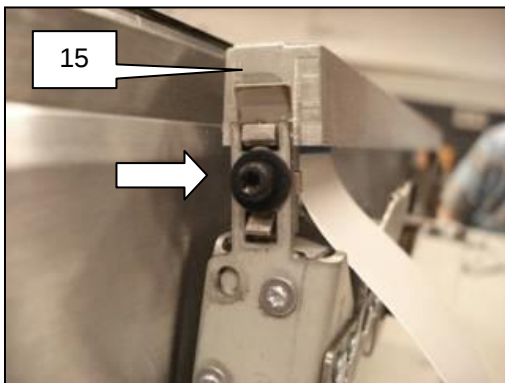
Remove the Print Head Unit.



Remove PBAP, PH_INTERFACE (Item 16).

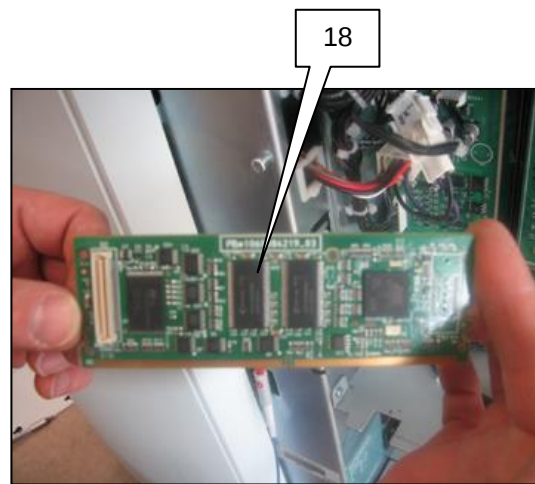
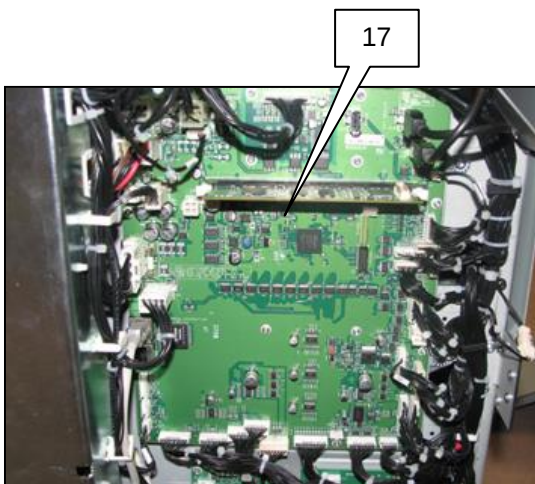


Remove screws (2x) at both ends of each Printhead (3x) (Item 15) to remove it.



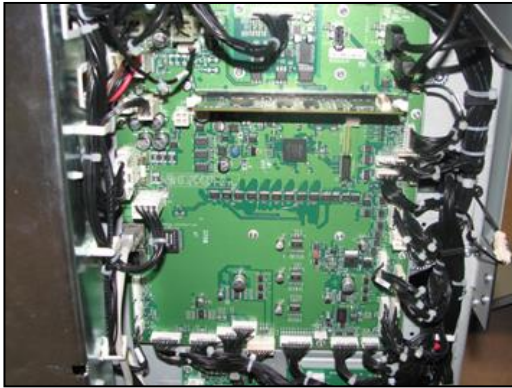
4.10 PBAP, Spider IO-Assy and PBAP, Spider Core

- Item 17: 1070027384 - PBAP, DIOC-ASSY
- Item 18: 1060121976 - PBAP, SPIDER CORE

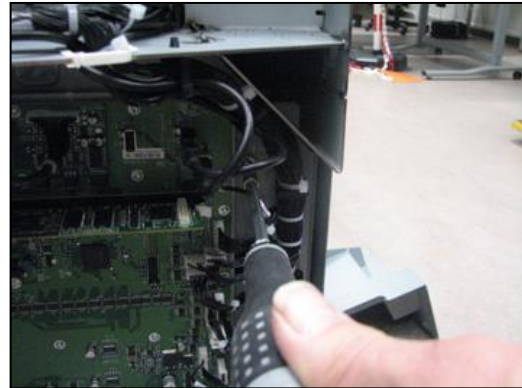


Removing procedure:

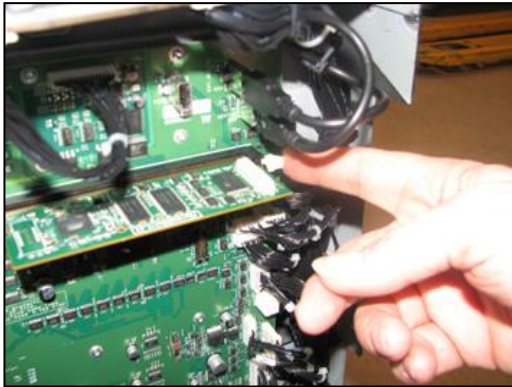
Disconnect all connectors.



Remove all screws to remove PBAP, DIOC-Assy (Item 17).

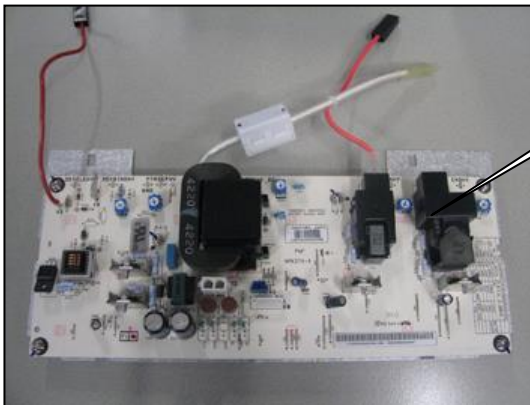


Unlock PBA to remove Spider Core PBA (Item 18)..



4.11 PBPA, High Voltage-Sup

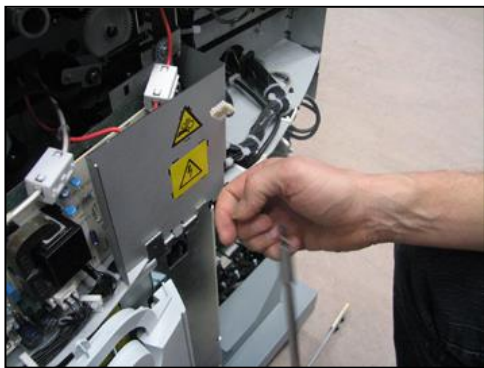
- Item 19: 1070050223 PBAP, HIGH-VOLTAGE-SUP



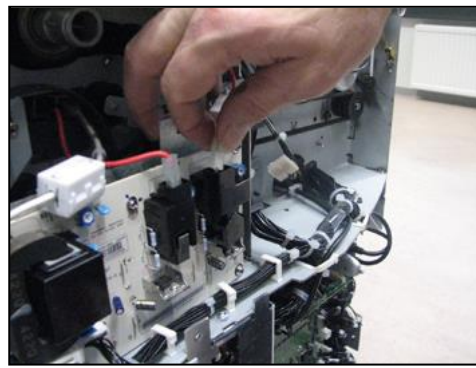
19

Removing procedure:

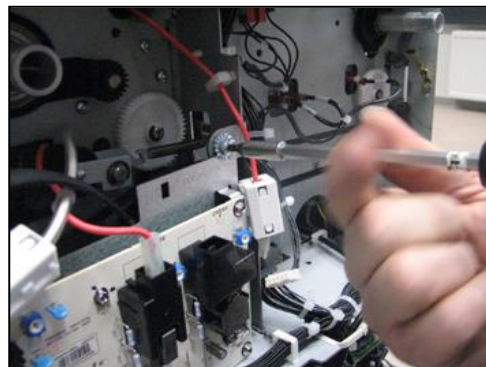
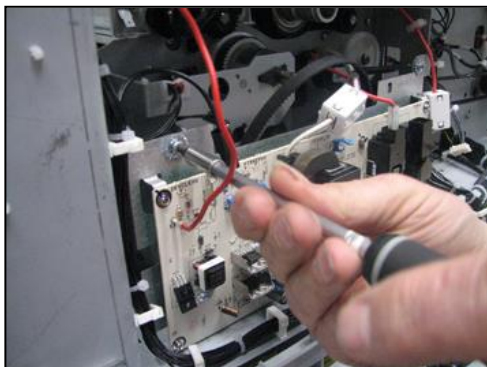
Remove the protection plate.



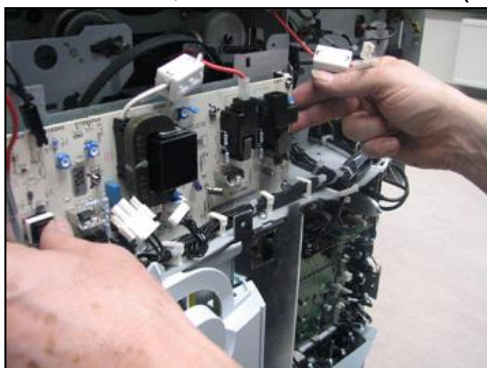
Remove all connectors



Remove screws (2x).

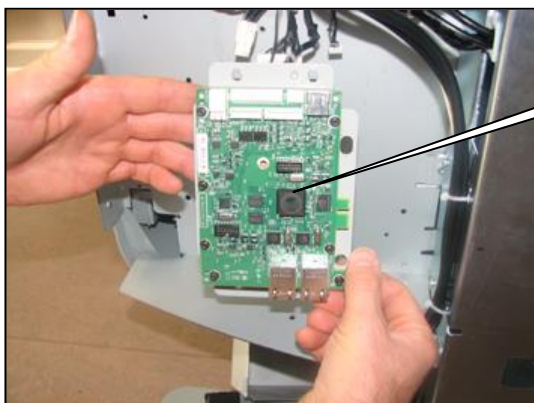


Remove PBAP, HIGH-VOLTAGE-SUP (Item 19).



4.12 PBAP, PSM

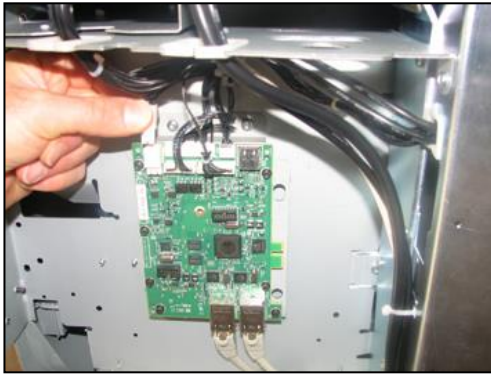
- Item 20: 1070034220 PBAP, PSM



20

Removing procedure:

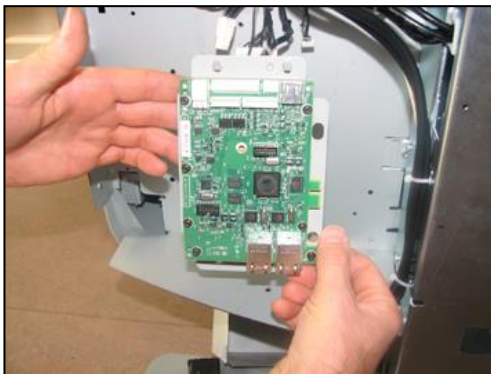
Remove all connectors.



Remove screws (4x).



Remove PBAP, PSM (Item 20).



4.13 Power Supply

- Item 21: 1060126611 - REGULATED POWERSUPPLY



21

Removing procedure:

Open the upper media drawer.



Remove the screw.



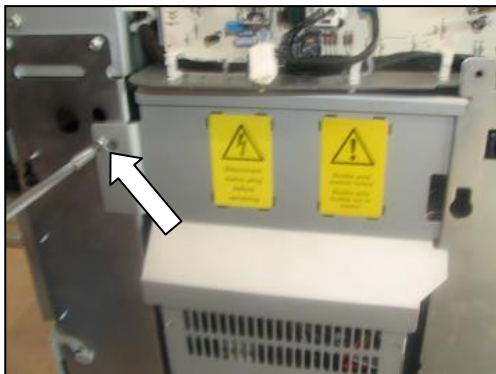
Loosen screw (1x).



Push screw inward and pull cover to remove.



Loosen screw (1x).



Slide plate to left and remove it.



Disconnect all connectors.



Remove screws (4x) - 2 on top L&R, 2 on bottom L&R .

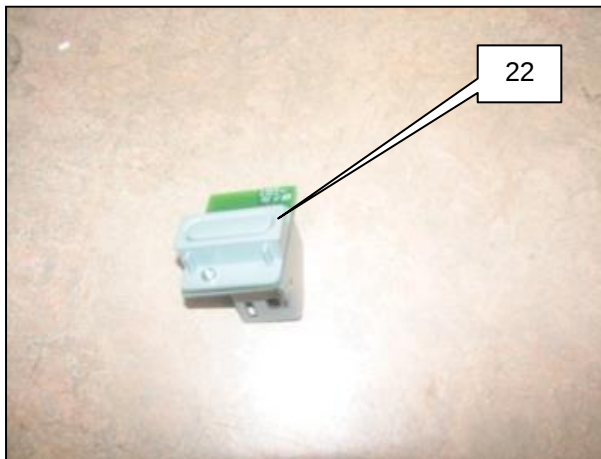


Remove the Regulated Power Supply PW500 (Item21).



4.14 PBA, Button

- Item 22: 1070011491 / 1070077879 - PBA, BUTTON



Removing procedure:

Open the paper roll drawer.



Remove screw of front cover.



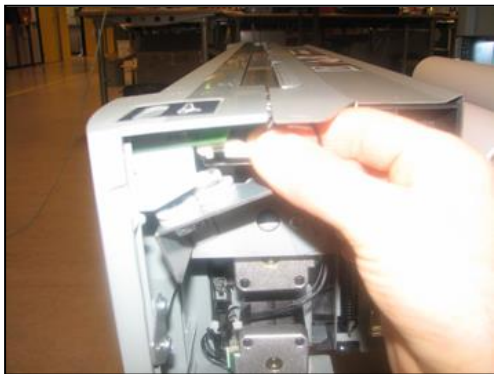
Remove screw of side cover.



Remove the side cover.



Disconnect the connector.

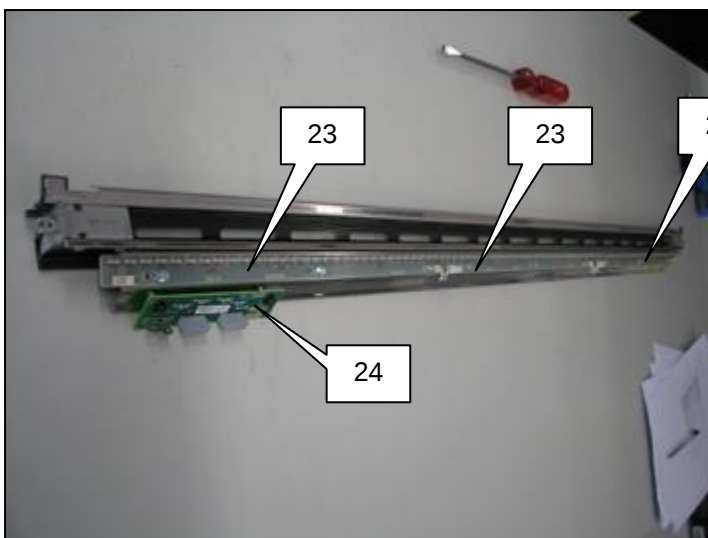


Remove screw to free the PBA, Button (Item 22).



4.15 PBA, Eraser and PBA, Grid-Voltage

- Item 23: 1070047331 - PBA, ERASER
- Item 24: 1060033896 - PBA, GRID-VOLTAGE

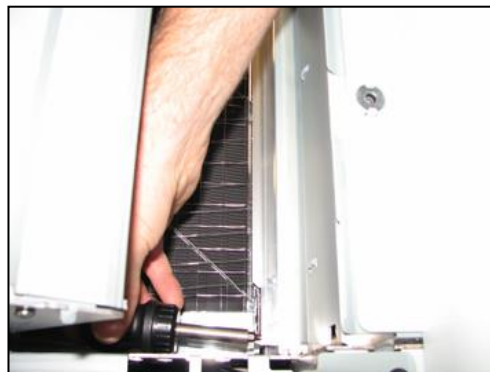


Removing procedure:

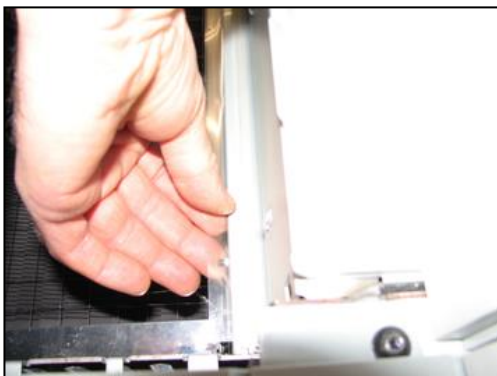
Open the fuser.



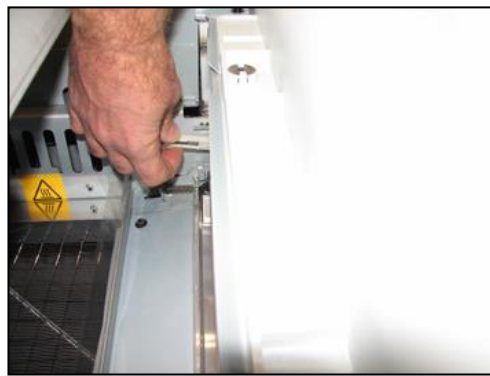
Loosen screws (2x) from the protection cover..



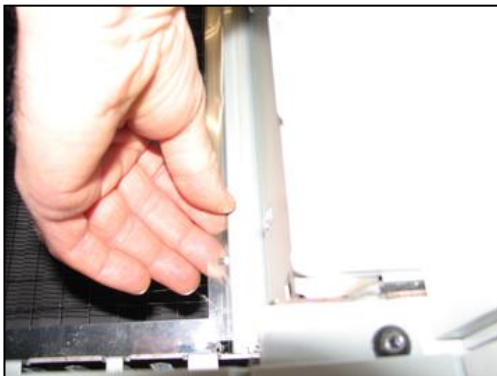
Pull down and turn protection cover to rear.



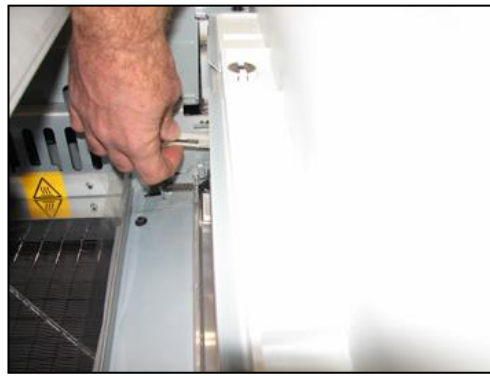
Remove 2 pressure blocks with springs.



Pull down and turn protection cover to rear.



Remove 2 pressure blocks with springs.



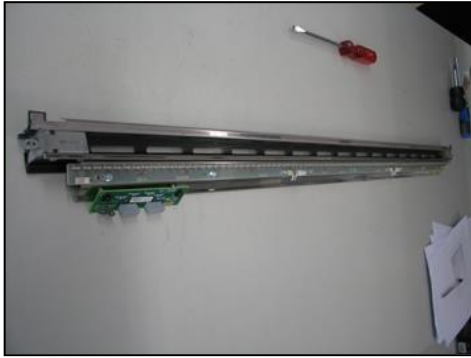
Disconnect all connectors.



Remove Charge Unit to the rear.



Remove PBA, Eraser (Item 23) and PBA, GRID-Voltage (Item 24) from Charge Unit.



4.16 Optionals PBA'S

- Item 25: 1070045922 - PBAP, DIOX-ASSY
- Item 28: 1070088962 – PBAP, DIOX ICS ASSY
- Item 29: 1070061591 – PBA, USB2_RS232-ASSY

NOTE:

Item 25, only when there is a second roll drawer installed.

Item 28, only when there is a Sheetfeeder installed.

Item 29, only when there is a Folder installed behind the Shanghai.

Removing procedure:

Remove screws (2x) to remove Left Back Cover.



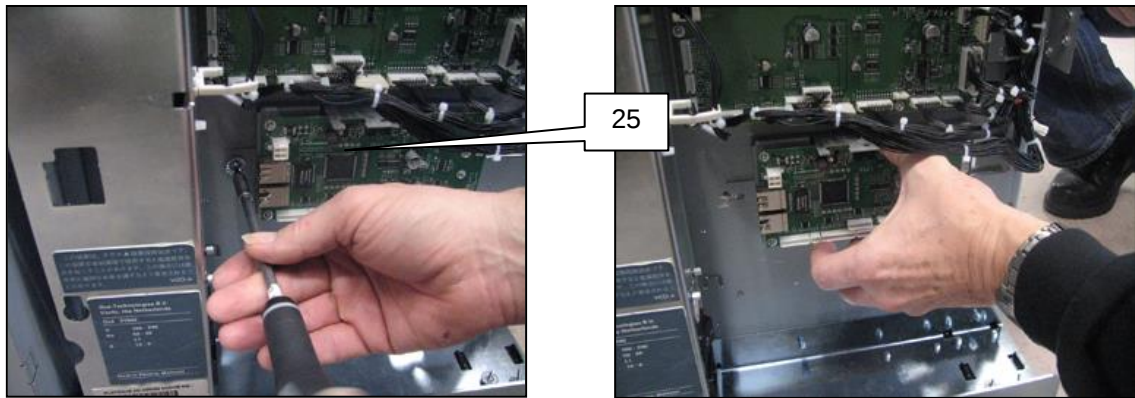
Lift and remove Left Back Cover.



Disconnect all connectors.



Remove screw (1x) to remove PBA, DIOX-ASSY (Item 25).



Disconnect all connectors then remove screw (1x) to remove PBAP, DIOX ICS ASSY (Item 28).

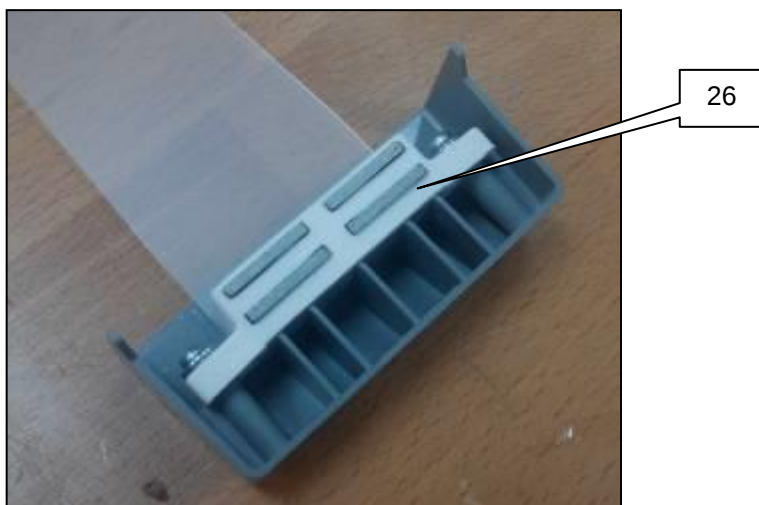


Disconnect all connectors then remove screw (1x) to remove PBAP, USB2_RS232-ASSY (Item 29).



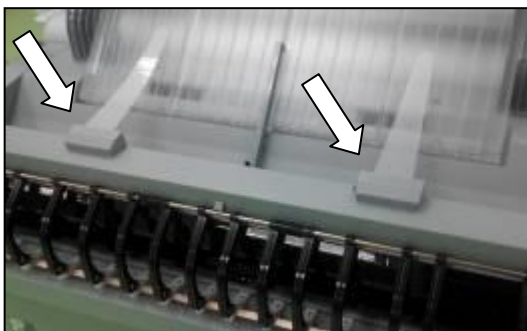
4.17 Magnetic Catcher

- Item 26: 1006482 - MAGNETIC CATCHER

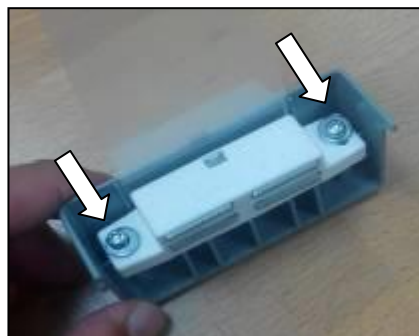


Removing procedure:

Remove Magnetic Catcher (2x).



Remove screws (2x) to retrieve Magnet (Item 26).



4.18 Filter

- Item 27: 2926715 - FILTER



Removing procedure:

Remove screw (1x) for removing Paper Switch Unit.



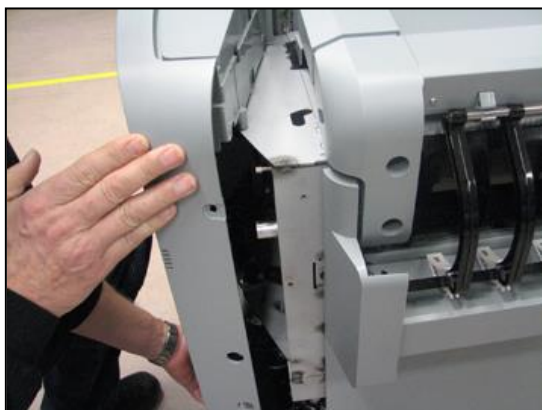
Disconnect connector.



Remove screws (2x) to remove Left Back Cover.



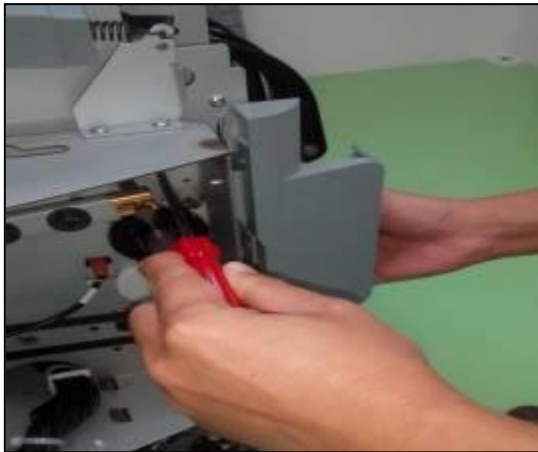
Lift and remove Left Back Cover.



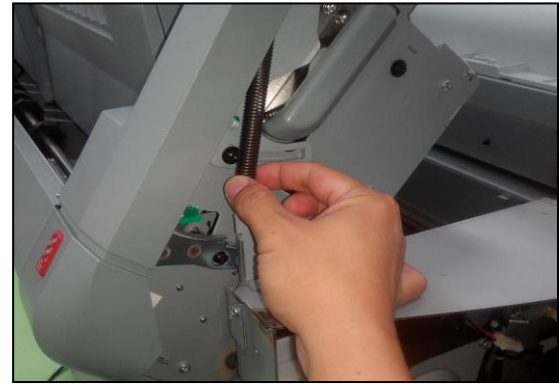
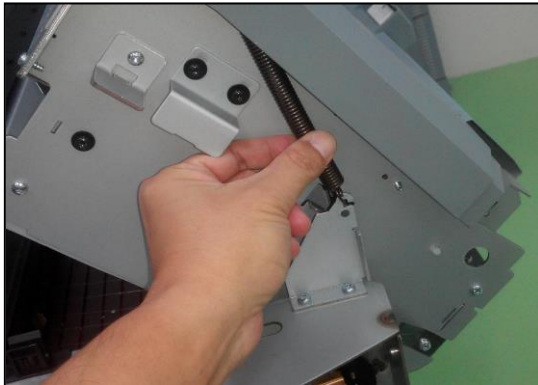
Open the fuser unit.



Unlock blade spring with a screw driver (through a hole) to remove Paper Switch Unit.

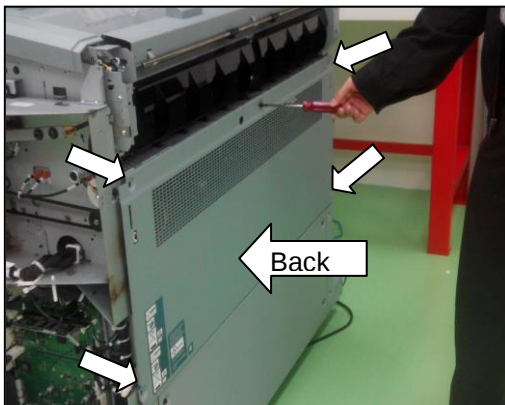


Remove springs (2x) on both side of Top Delivery Tray Unit.



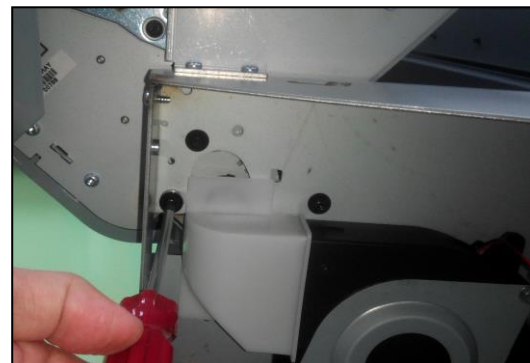
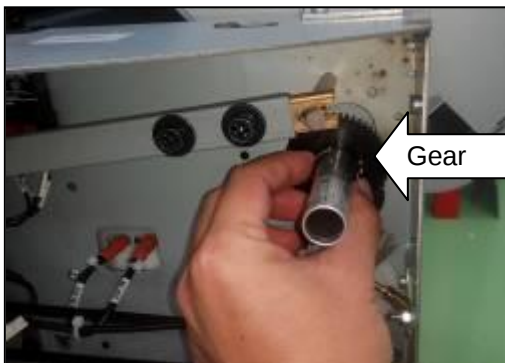
Remove screws (5x) to remove Back Plate.

Disconnect connector to prepare for removal of Top Delivery Tray Unit.



Remove clamp spring to remove gear.

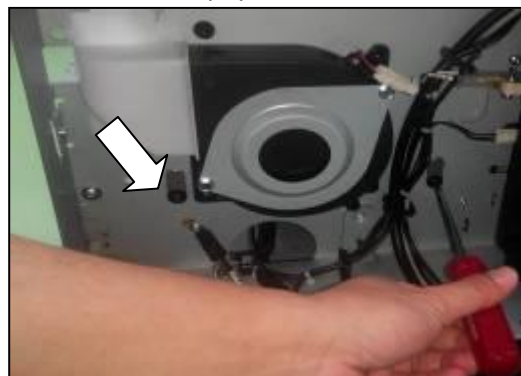
Remove screw (1x) on the other side.



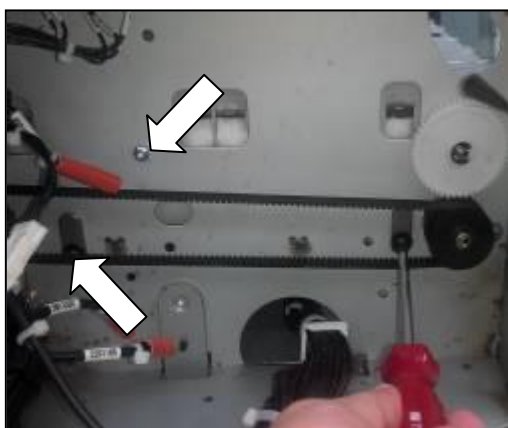
Remove Top Delivery Tray Unit.



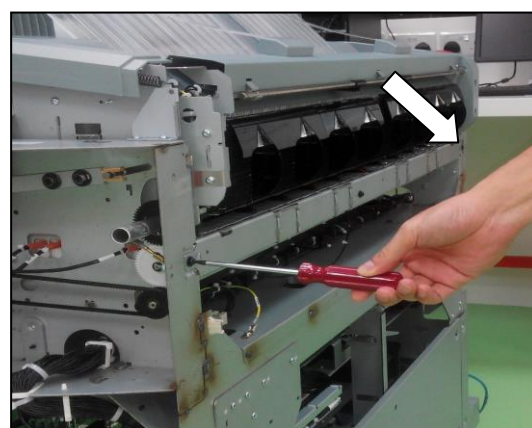
Remove screws (2x).



Remove screws (3x).



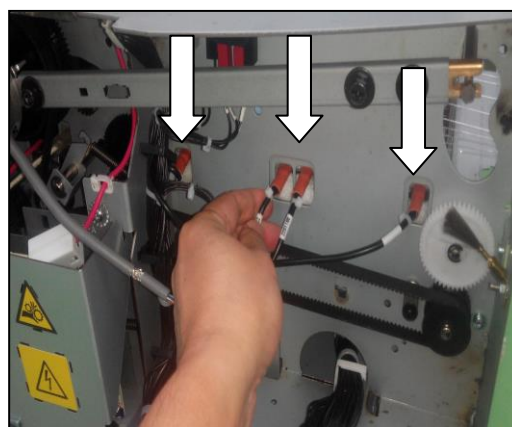
Remove screws (2x) to remove Bar-Tie Plate.



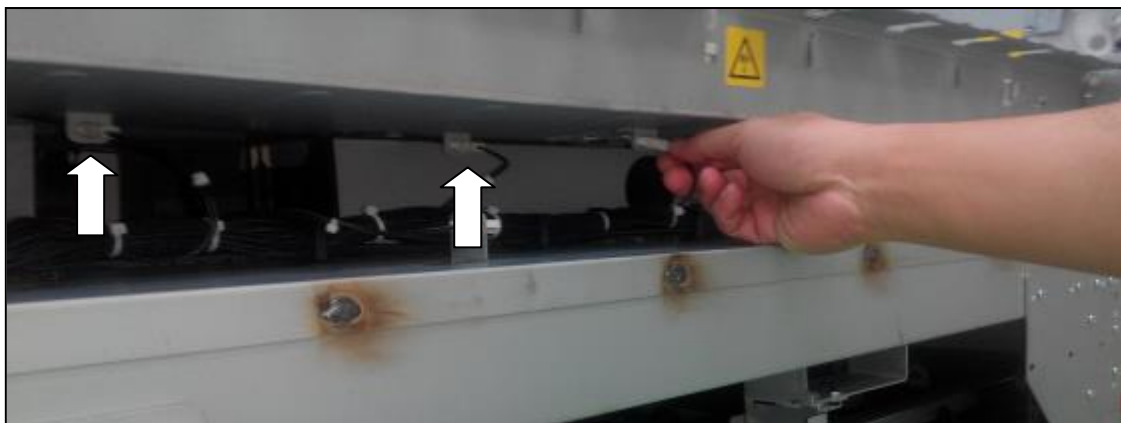
Remove Bar-Tie Middle Plate.



Disconnect all connectors



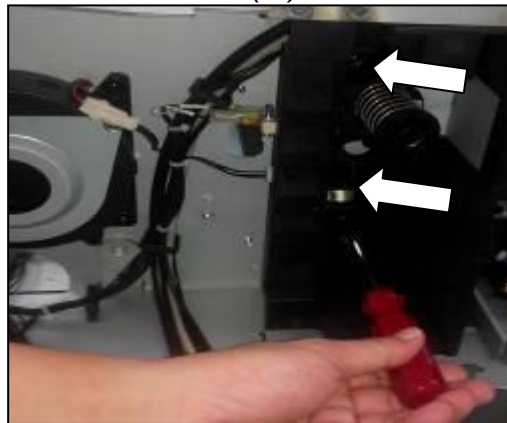
Disconnect all NTC resistor connectors on the bottom side of the Heater Unit.



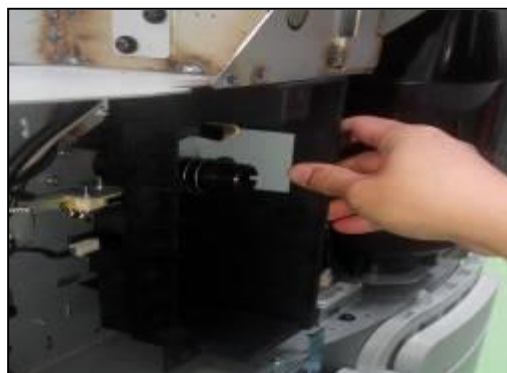
Remove Heater Unit.



Remove screws (2x).



Remove Cover.



Loosen screws (2x).



Remove screws (2x) on both side of Plate Cover.



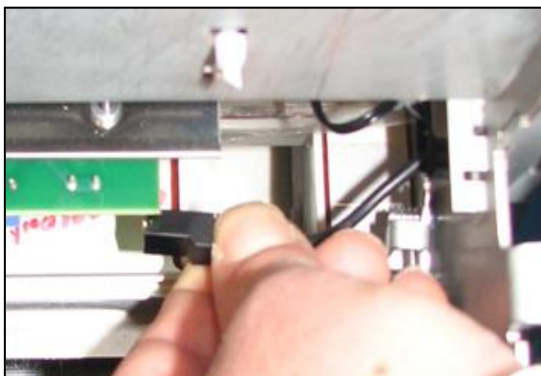
Pull down and remove Plate Cover.



Remove the 2 pressure blocks with springs on both sides.



Disconnect all connectors on both sides of the Charging Unit.



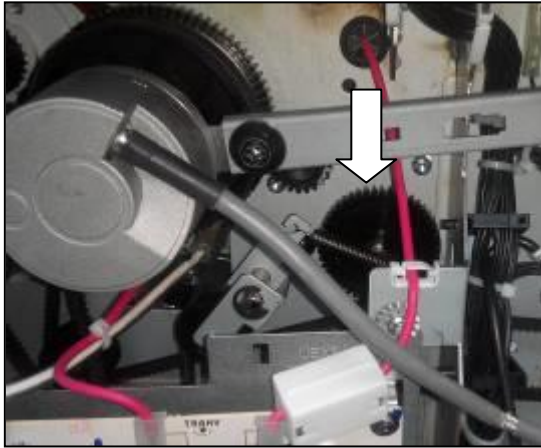
Remove the Charging Unit.



Remove connector.



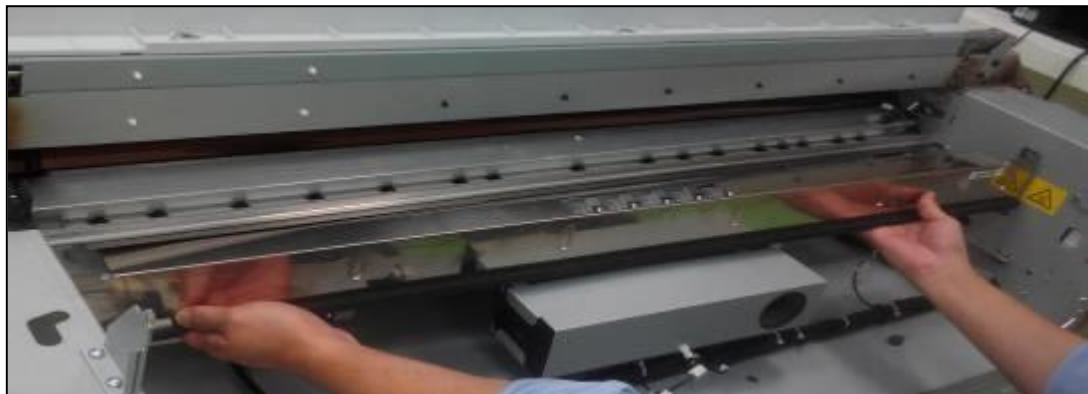
Remove plastic gear.



Remove screw (1x).



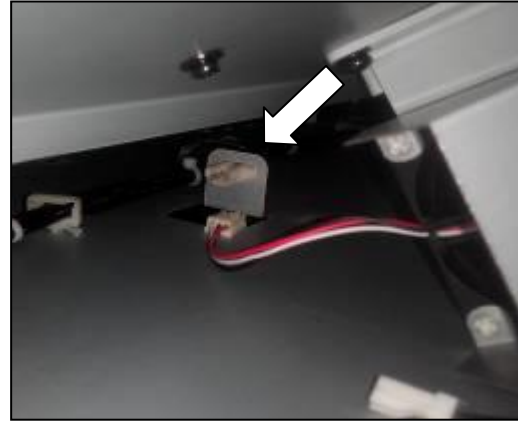
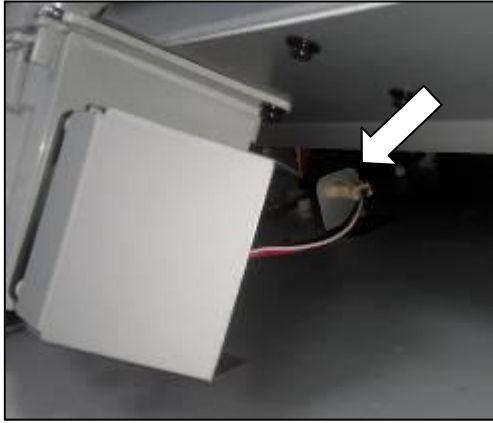
Remove Intermediate Transport Unit.



Remove screws (2x) to remove spring clamp (2x).



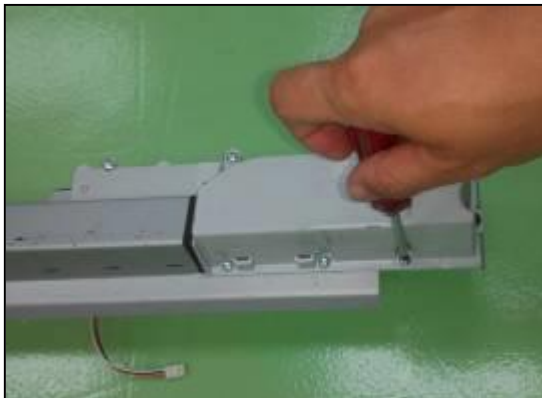
Disconnect connectors (2x) under the Air Supply Unit.



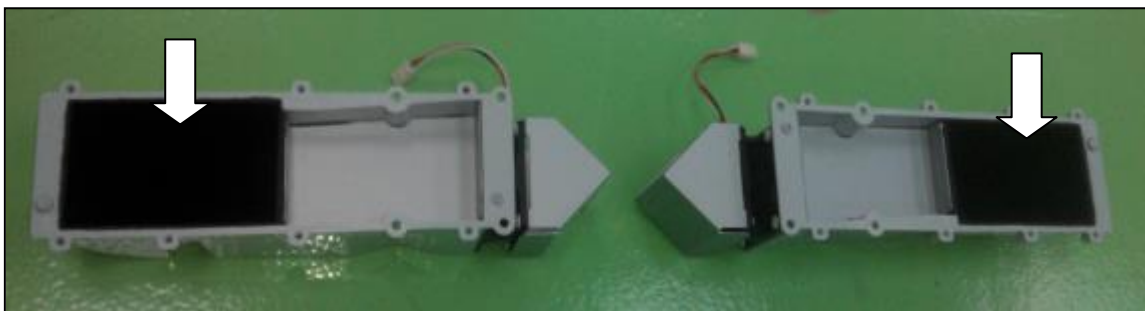
Remove Air Supply Unit by unlocking the plates on both ends



Remove all screws on the Air Supply Unit to open it.



Remove Filter (2x) (Item 27).



5. Conclusion

This scrap manual for the Shanghai engine complies with the requirements as specified in chapter 4 in OTS-08017 Version 02.