

Object : PRODUCT DOCUMENT
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TYPE : pse_Scrap_Manual
AUTHOR : fre

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CHANGE HISTORY

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MOD_DESCR	: CREATED		

Statement of Scrap Compliance

Project : Beijing

Model : Océ 01045

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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 10
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 7 Item 2, page 7 Item 3, page 8 Item 7, page 12 Item 9, page 12 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 9 Item 5, page 10 Item 15, page 18
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 12 Item 10, page 12 Item 11, page 12 Item 12, page 13 Item 25, page 28 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 16
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 17 Item 16, page 18 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

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	7
2	1070011812	END, BOTTLE TONER PW340/360	7
3	1060075207	CONTAINER, RESIDUAL-TONER ASSY	8
4	1070050351	LOCAL USER INTERFACE	9
5	1070060131	CONTROLLER, ASSY R1.2.1.0	10
6	-	BATTERY	10
7	1070056186	TONER DOSAGE UNIT	12
8	2912595	MAGNET	12
9	1070053097	DEVELOPING, ASSY	12
10	1060059760	MAGNET ROLL	12
11	2977697	STRIP, MAGNET	12
12	2977582	MAGNET	13
13	1060009319	OPC DRUM DIGITAL ASSY WRAPPED	16
14	1070012301	SCANNER EXPRESS II	17
15	1070004409	PRINthead, ODI A3	18
16	1070020681	PBAP, PH_INTERFACE	18
17	1070022029	PBAP, SPIDER IO-ASSY	20
18	1060121976	PBAP, SPIDER CORE	20
19	1070050310	PBAP, HIGH-VOLTAGE-SUP	21
20	1070034220	PBAP, PSM	22
21	1060126611	REGULATED POWERSUPPLY	23
22	1070011491	PBA, BUTTON	25
23	1070047331	PBA, ERASER	26
24	5583923	PBA, GRID-VOLTAGE	26
25	1006482	MAGNETIC CATCHER	28
26	1060013320	CATCH, MAGNETIC	29
27	2926715	FILTER	30

4. Photos and descriptions

4.1 Bottle Developer

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



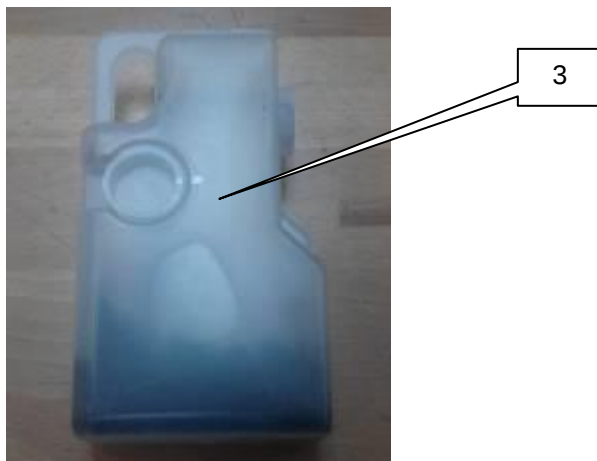
4.2 Bottle Toner

- Item 2: 1070011812 END, BOTTLE TONER PW340/360



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: 1070050351 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: 1070060131 CONTROLLER, ASSY R1.2.1.0
- Item 6: BATTERY



Removing procedure:

Remove screws (5x).



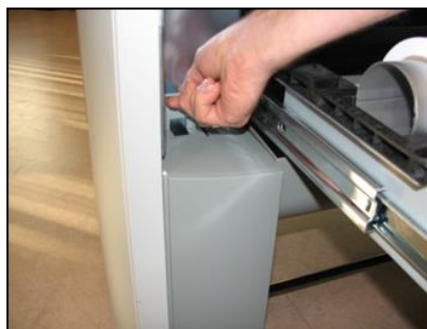
Lift the cover from the printer.



Remove the lower left front cover.



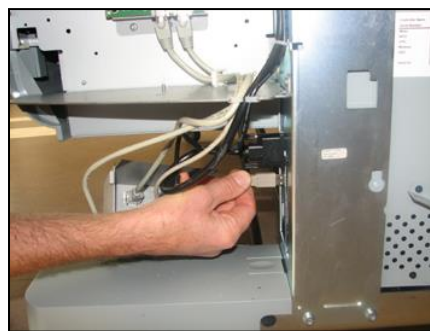
Remove screw and Lower Left Side Cover.



Remove screw and cover.



Disconnect connectors.



Remove screws; Air Duct.



Removing the Controller (Item 5).

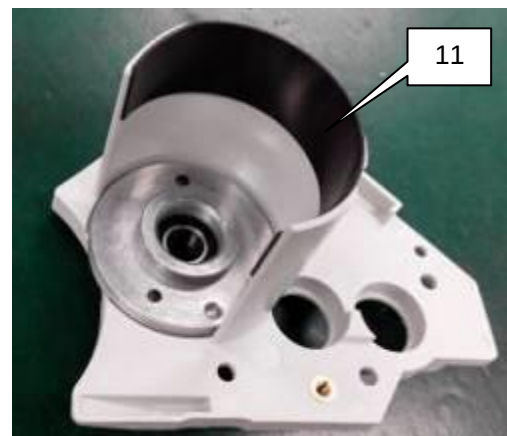
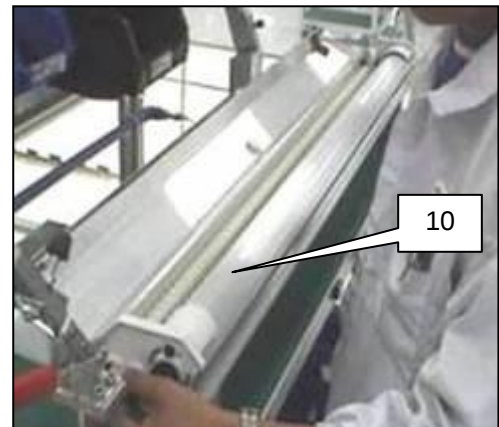
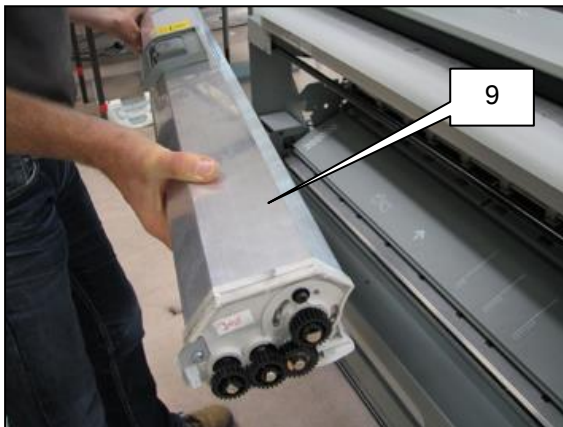
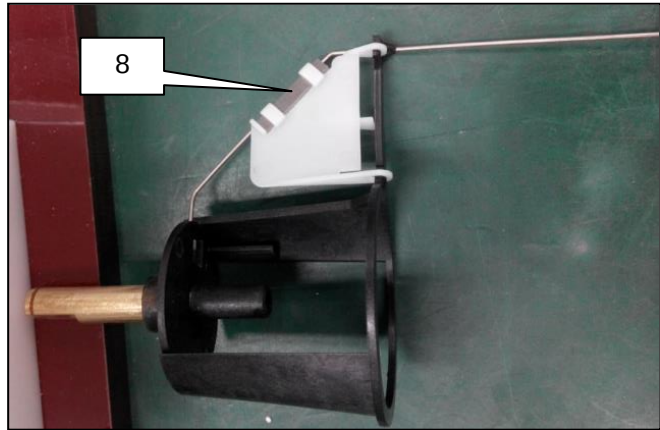


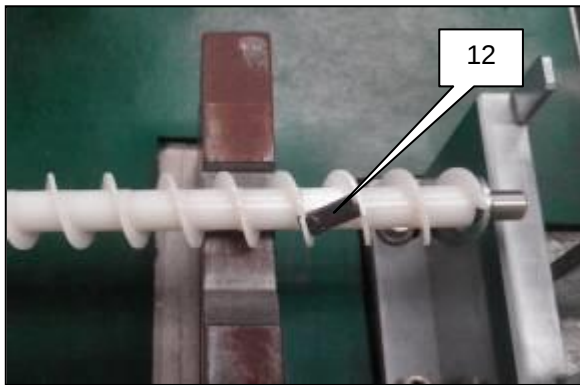
Remove lid on Controller to retrieve battery (Item6).



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

- Item 7: 1070056186 TONER DOSAGE UNIT
- Item 8: 2912595 MAGNET
- Item 9: 1070053097 DEVELOPING, ASSY
- Item 10: 1060059760 MAGNET ROLL
- Item 11: 2977697 STRIP MAGNET
- Item 12: 2977582 MAGNET





Removing procedure:

Disconnect connectors and remove screws (2x).

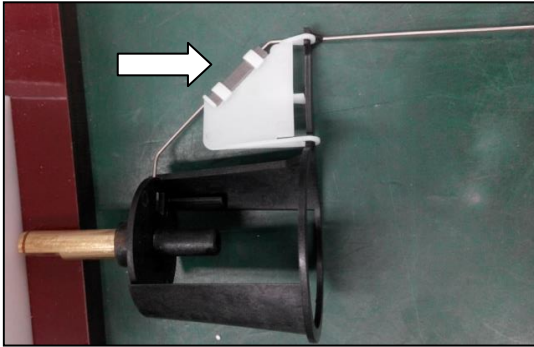


Remove Toner Dosage Unit (Item 7).

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



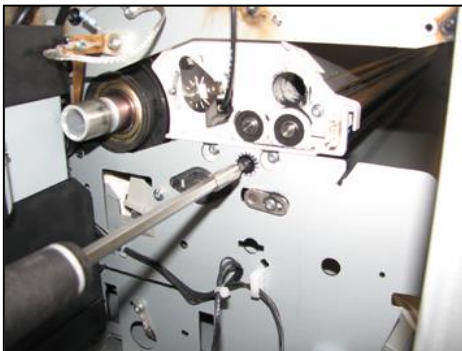
Remove Rotor unit to reach Magnet (Item 8).



Open the fuser.



Remove screws (2x) at the left and right side of Developing, Assy.



Remove all connectors and lift the Print Head.



Remove Developing, Assy (Item 9).



Remove tapes on Developer Unit L&R ends.



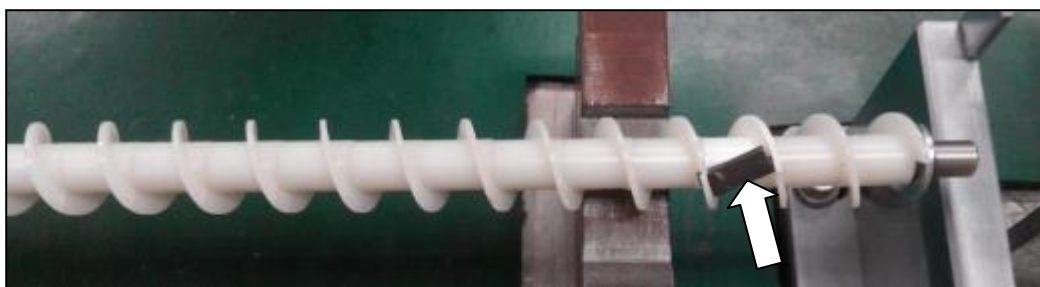
Open cover of Developer unit and vacuum clean the developer powder. Remove all screws and fasteners on both ends to remove the Frame Left and Right Assy.



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

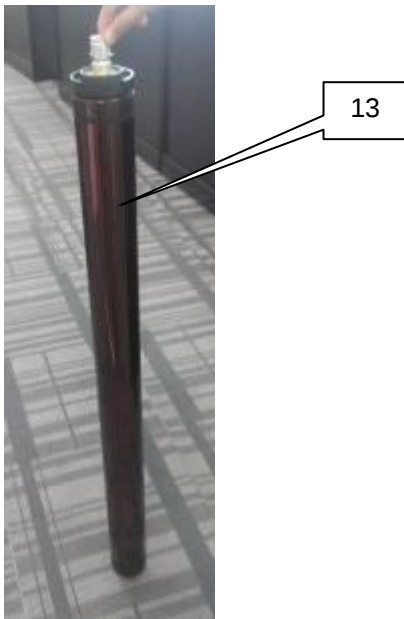


Remove Spiral Assy (2x) and vacuum clean it for the developer powder to reach Magnet (2x) (Item12).



4.7 OPC Drum

- Item 13: 1060009319 OPC DRUM DIGITAL ASSY WRAPPED

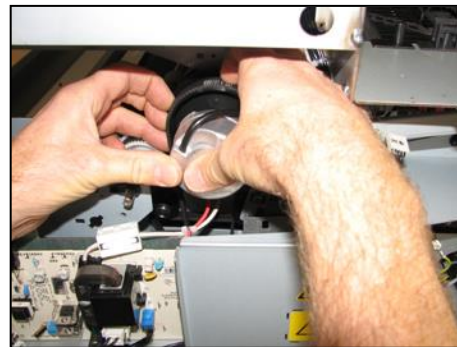


Removing procedure:

Disconnect connectors and drive belt.



Remove Encoder.



Remove OPC Drum (Item 13).



4.8 Scanner

- Item 14: 1070012301 SCANNER EXPRESS II



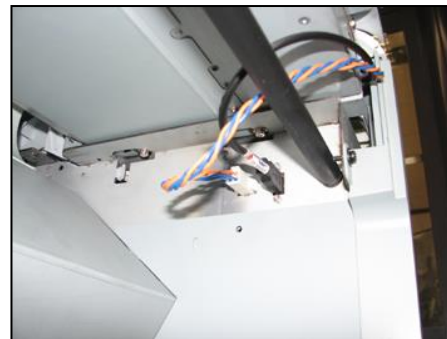
14

Removing procedure:

Lift the plate to unhook.



Disconnect connectors.



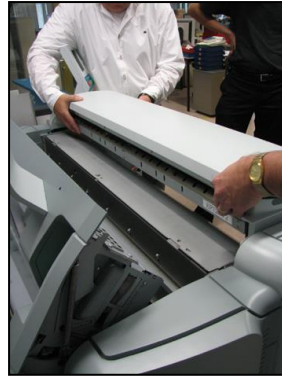
Remove screws (3x).



Remove Original Guide Plate.

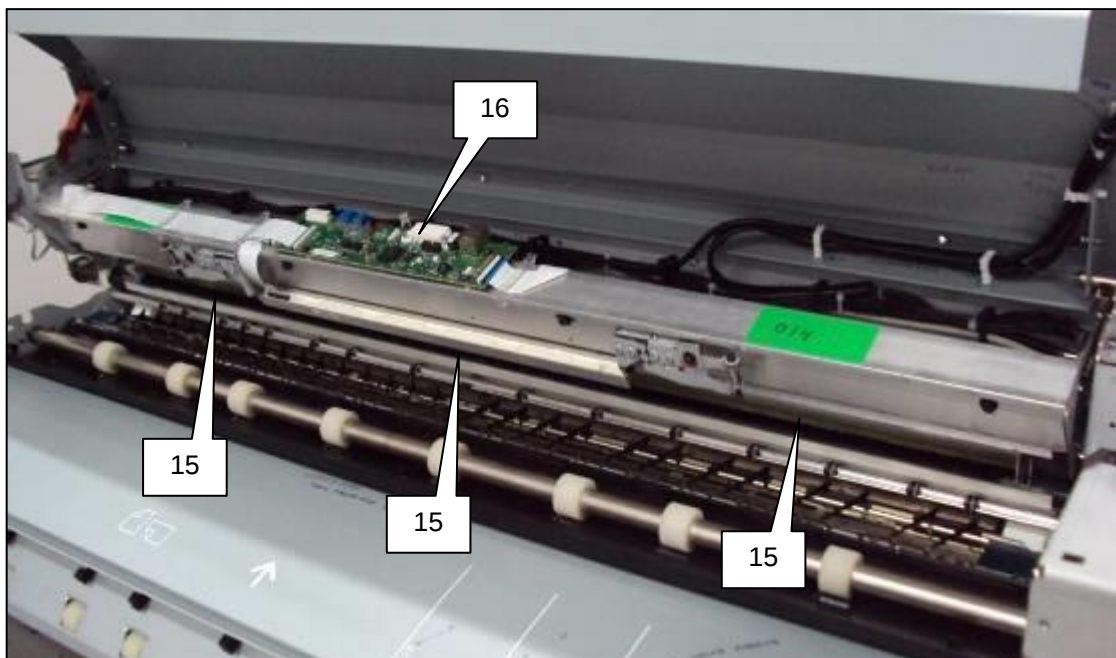


Push down catch (on both ends) and slide Scanner (Item 14) towards the rear of printer before lifting it for removal.



4.9 Print head and PBA, PH_Interface

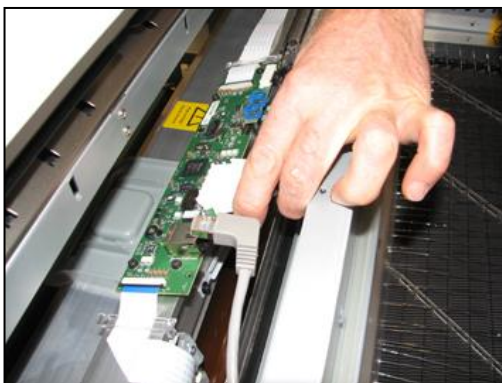
- Item 15: 1070004409 PRINthead, ODI A3
- Item 16: 1070020681 PBAP, PH_INTERFACE



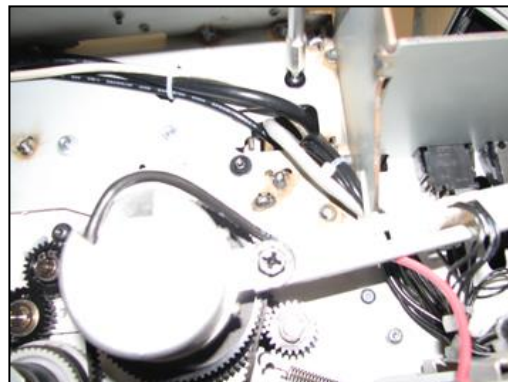
Removing procedure:

Disconnect the connectors.

Remove scanner lock assy (2x) at L&R sides.



Remove screw.



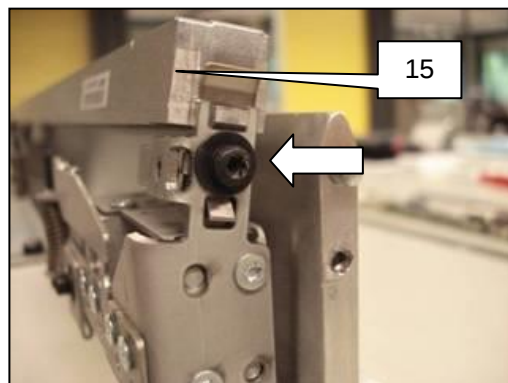
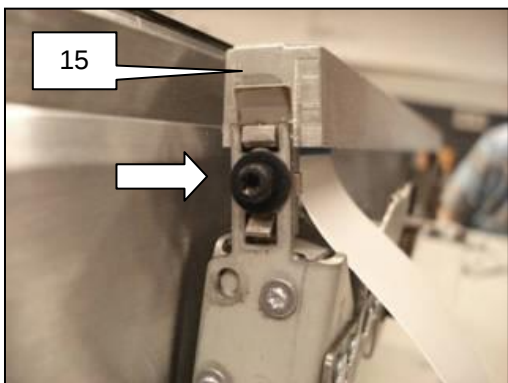
Remove the Print Head Unit.



Remove PBAP, PH_INTERFACE (Item 16).

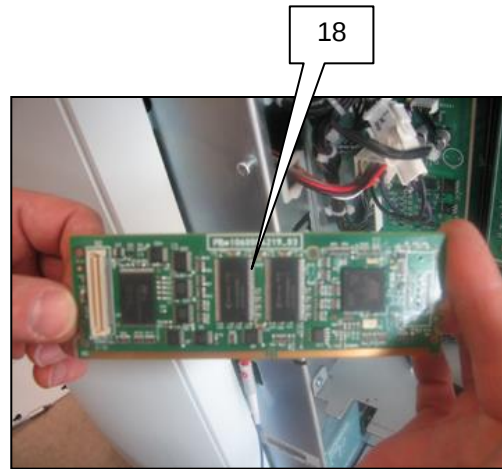
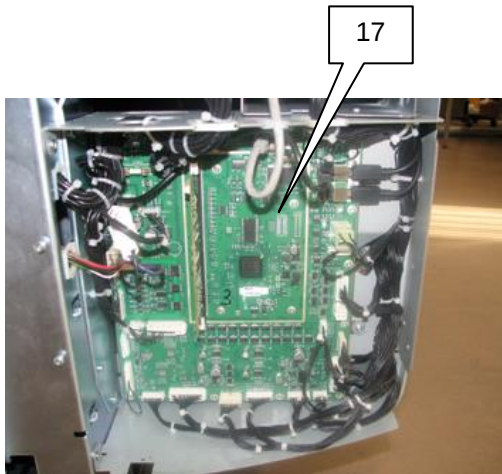


Remove screws (2x) at both ends of each Printhead (3x) (Item 15) to remove it.



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

- Item 17: 1070022029 PBAP, SPIDER IO-ASSY
- Item 18: 1060121976 PBAP, SPIDER CORE

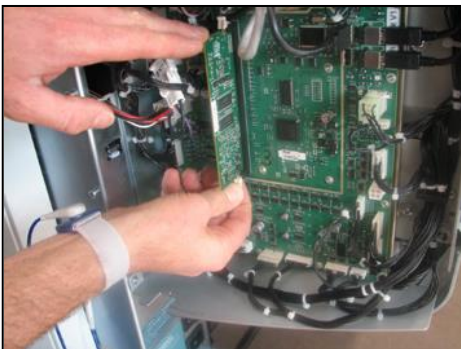


Removing procedure:

Remove screws (2x) and protection plate.



Remove the PBA, SPIDER CORE (Item 18).

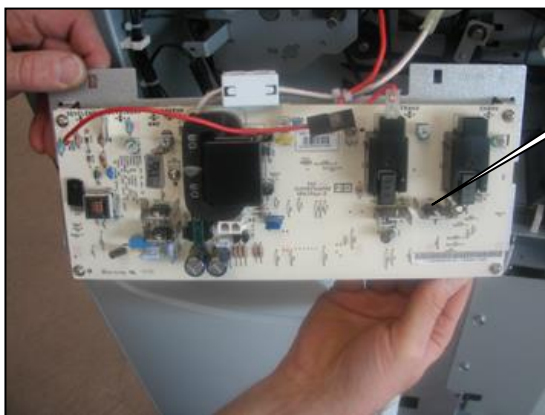


Disconnect all connectors and remove screws to remove PBA, SPIDERCORE IO-ASSY (Item 17).



4.11 PBPA, High Voltage-Sup

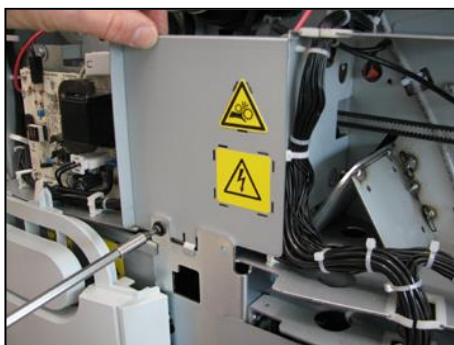
- Item 19: 1070050310 PBAP, HIGH-VOLTAGE-SUP



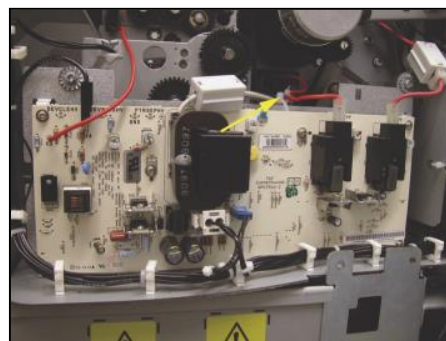
19

Removing procedure:

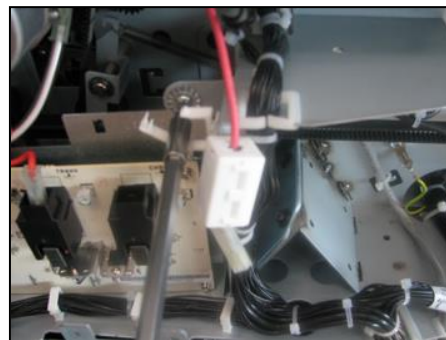
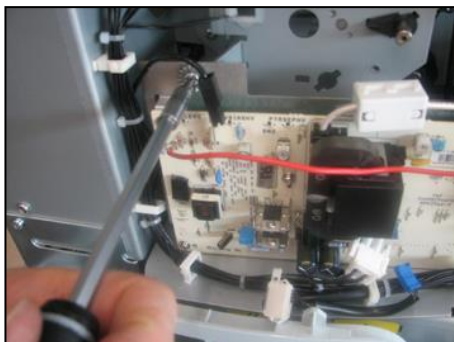
Remove screws (1x) and protection plate.



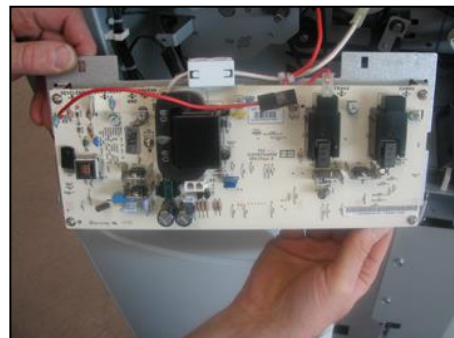
Remove all connectors



Remove screws (2x).

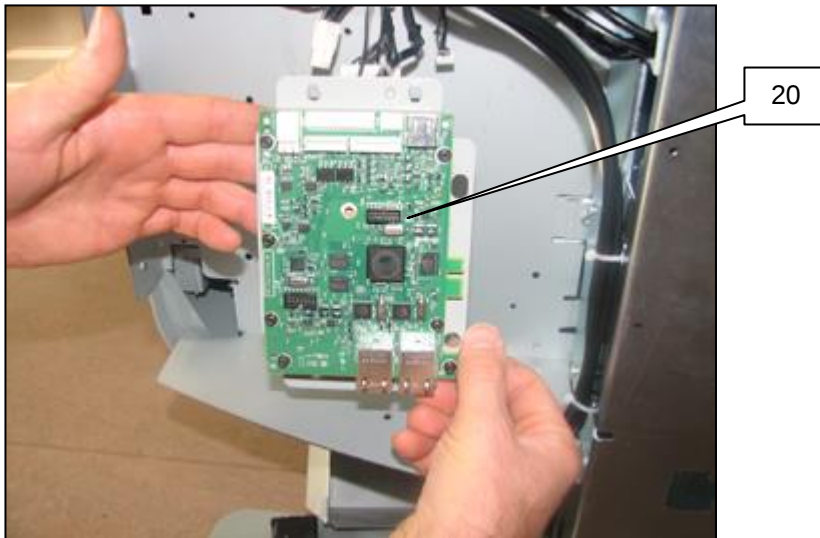


Remove PBAP, HIGH-VOLTAGE-SUP (Item 19).



4.12 PBAP, PSM

- Item 20: 1070034220 PBAP, PSM



Removing procedure:

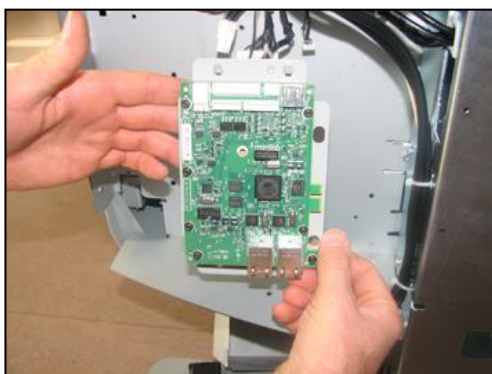
Remove all connectors.



Remove screws (4x).

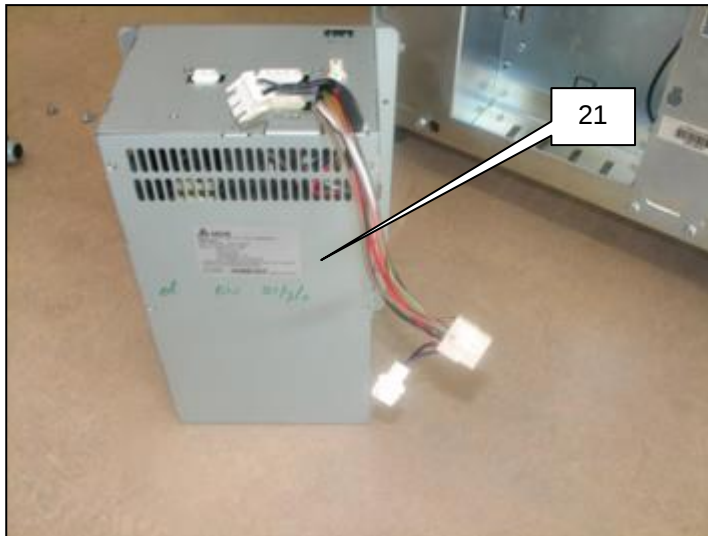


Remove PBAP, PSM (Item 20).



4.13 Power Supply

- Item 21: 1060126611 REGULATED POWERSUPPLY



Removing procedure:

Unlock lid with flat bed screw driver.



Remove the lid.



Remove screws (2x).



Remove screw (1x).



Remove Upper Front Cover.



Unhook the catch and remove Cover.



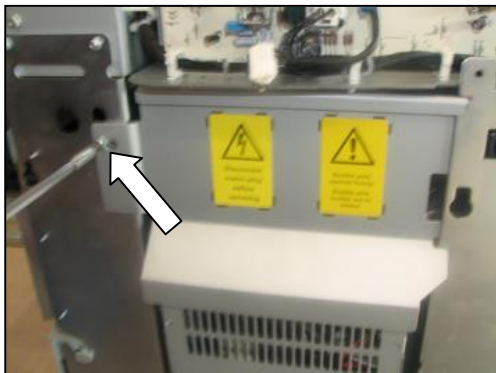
Remove screw (1x).



Pull at the bottom and push Cover down to remove Cover.



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 .

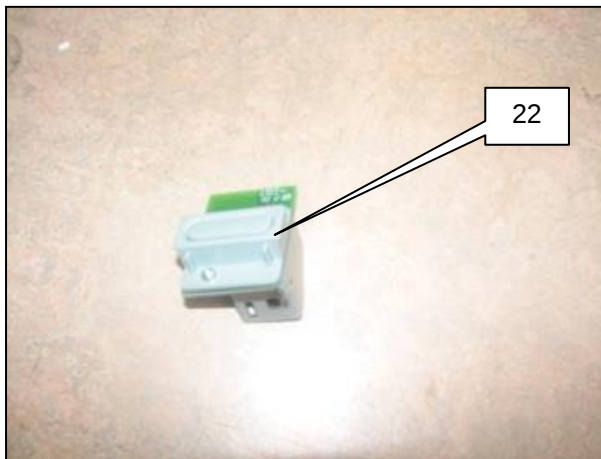


Remove the Regulated Power Supply (Item 21).



4.14 PBA, Button

- Item 22: 1070011491 PBA, BUTTON



Removing procedure:

Open the paper roll drawer.



Remove screw of front cover.



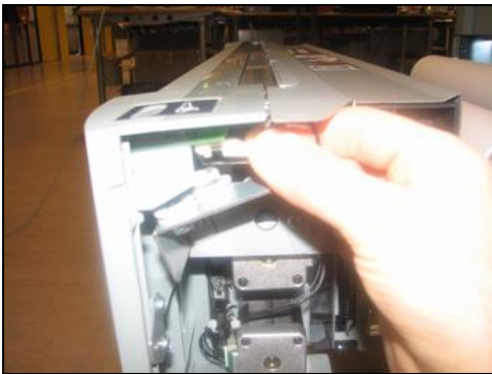
Remove screw of side cover.



Remove the side cover.



Disconnect the connector.

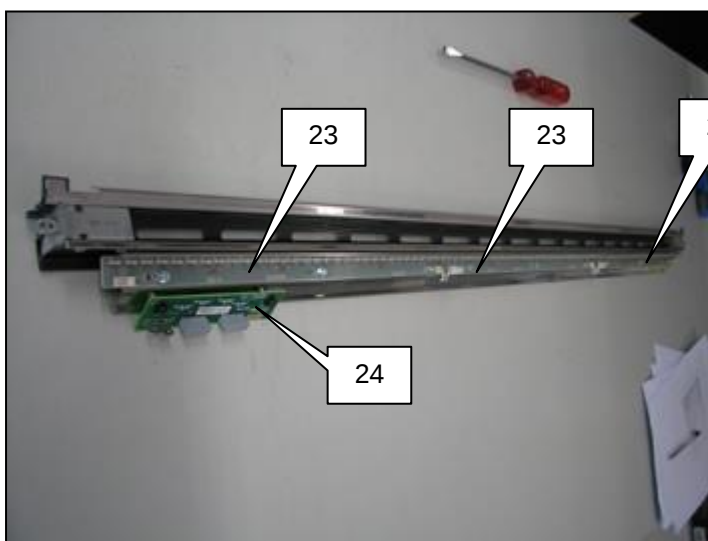


Remove screw to free the PBA (Item 22).



4.15 PBA, Eraser and PBA, Grid-Voltage

- Item 23: 1070047331 PBA, ERASER
- Item 24: 5583923 PBA, GRID-VOLTAGE

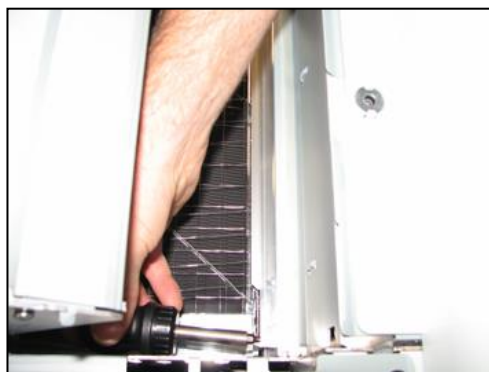


Removing procedure:

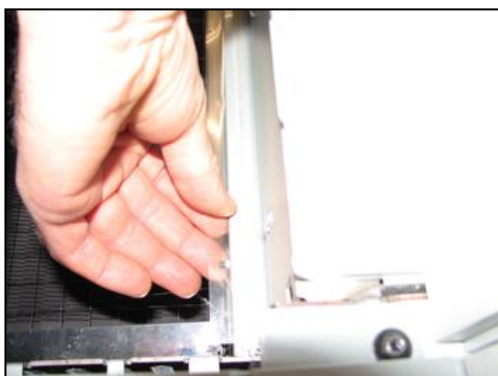
Open the fuser.



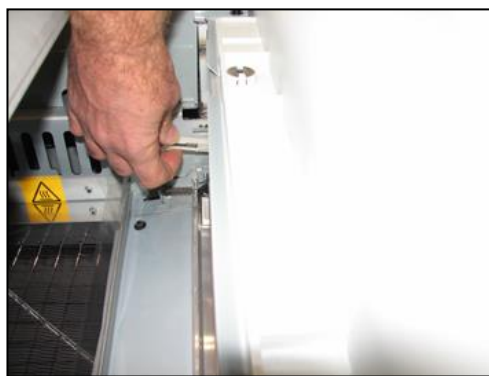
Loosen screws (2x) from the protection cover..



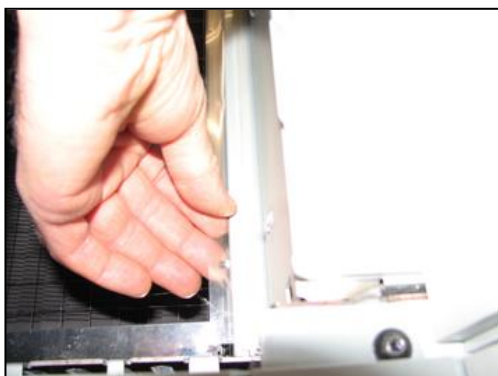
Pull down and turn protection cover to rear.



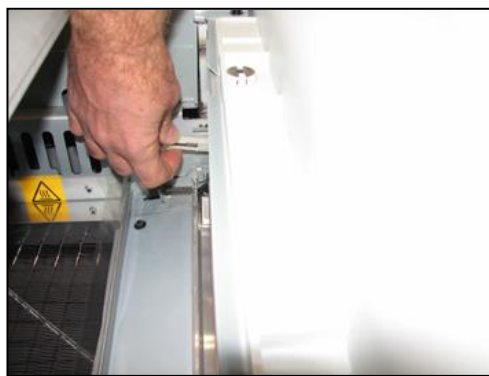
Remove 2 pressure blocks with springs.



Pull down and turn protection cover to rear.



Remove 2 pressure blocks with springs.



Remove Charging module to remove PBA, ERASER (3x) (Item 23) and PBA, Grid Voltage (Item 24).



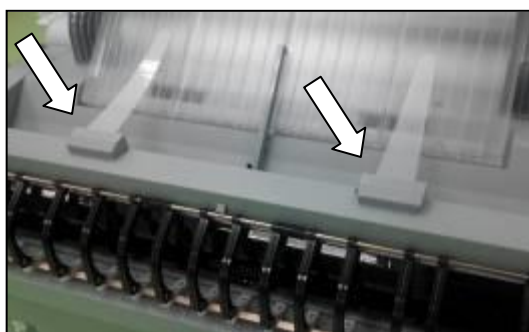
4.16 Magnetic Catcher

- Item 25: 1006482 MAGNETIC CATCHER

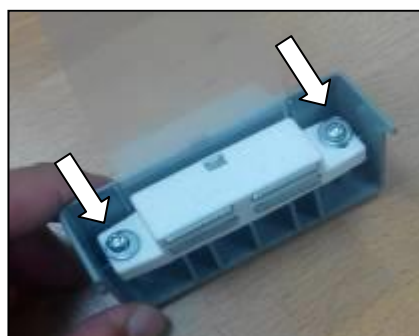


Removing procedure:

Remove Magnetic Catcher (2x).

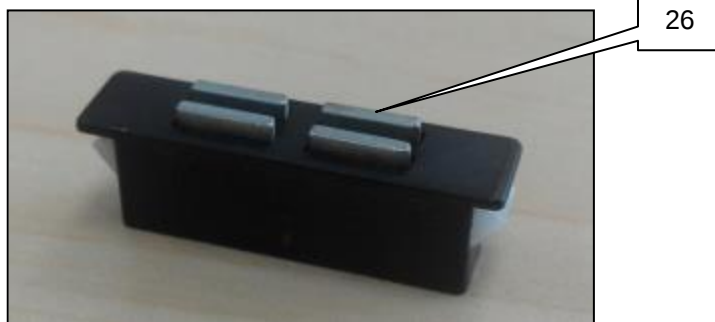


Remove screws (2x) to retrieve Magnet (Item 25).



4.17 Magnetic Catch

- Item 26: 1060013320 CATCH, MAGNETIC



Removing procedure:

Lift the Front Cover to unhook it.



Remove Magnetic catch (2x) (Item 26) from Front Cover.



4.18 Filter

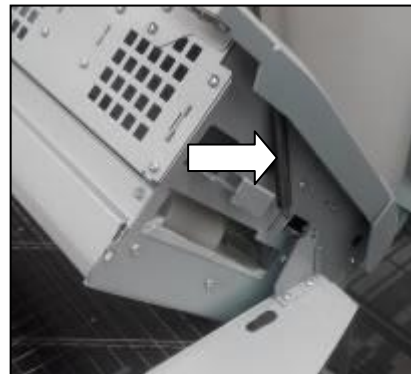
- Item 27: 2926715 FILTER



27

Removing procedure:

With the fuser open, remove springs (2x) on left & right side of fuser.



Remove screw (1x) on the top of Cover Left Back.

Remove screw (1x) at the rear on top.



Remove screw (1x) at the rear on bottom.



Remove Cover Left Back.



Do the same to remove Cover Right Back.



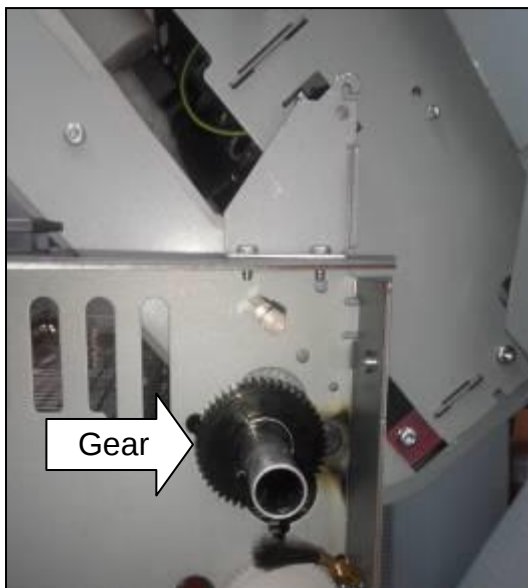
On the right side of the fuser, remove Fan Unit via screws (3x).



Remove the adapter by sliding it downwards.



On the other side, remove Gear by unlocking Spring Clamp.



Disconnect Paper Switch's connectors.



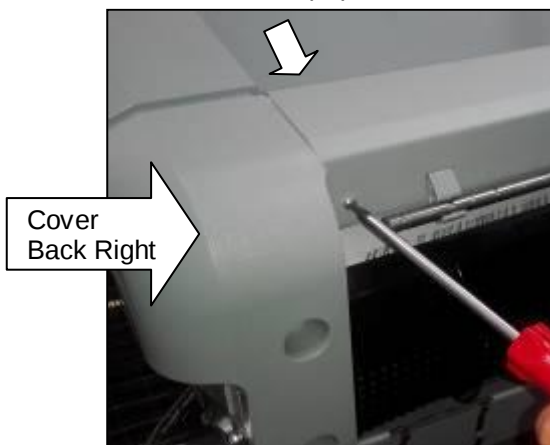
Remove Paper Switch Unit.



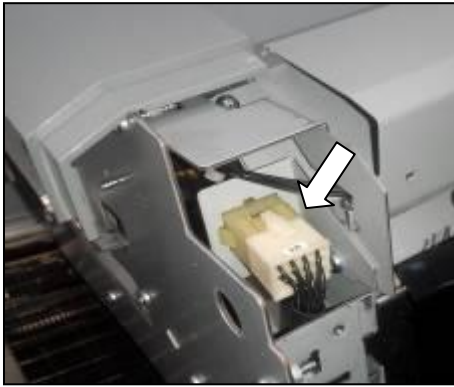
Remove Screws (5x) to remove Back Plate.



Remove screws (4x) to remove Cover Back Right.



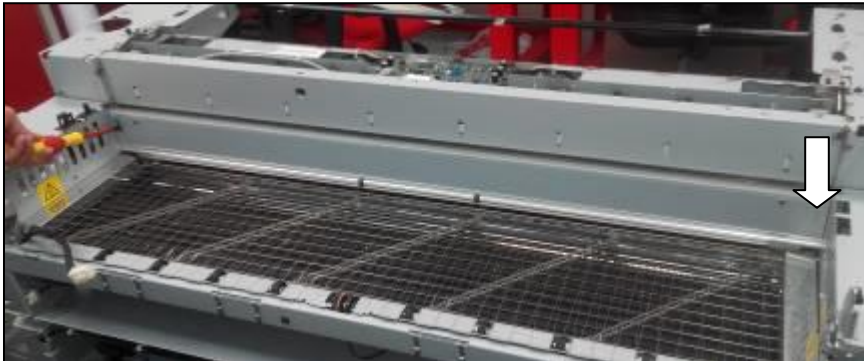
Disconnect connectors.



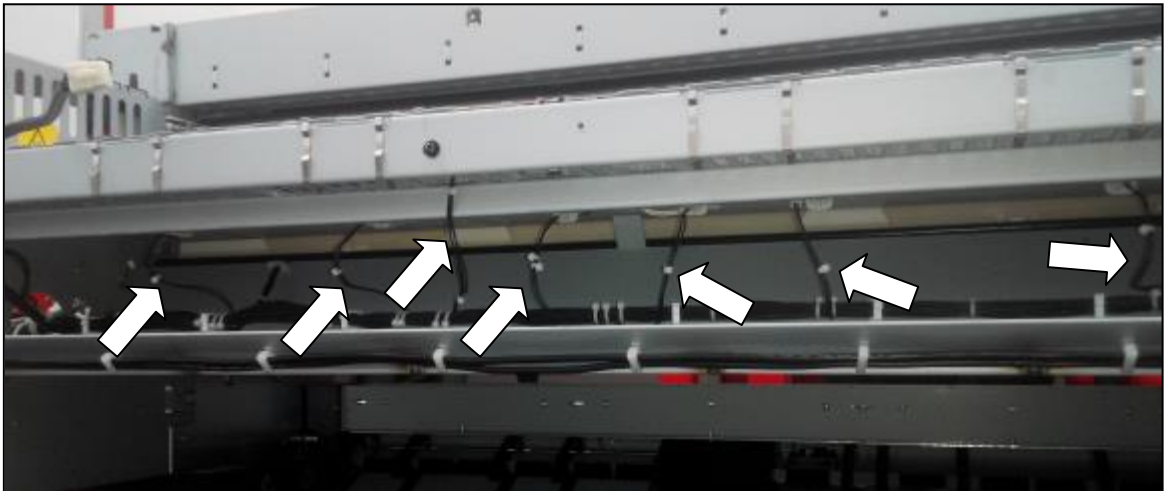
Remove the Top Delivery Tray Unit.



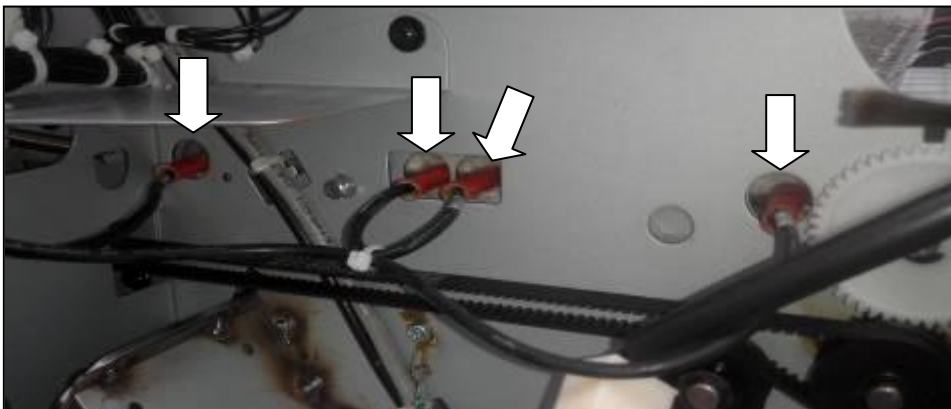
Remove screws (2x).



Disconnect all NTC connectors underneath the Heater.



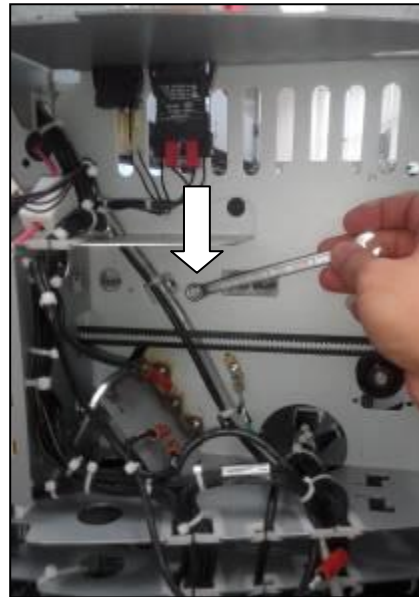
Disconnect all connectors on both sides of the Heater.



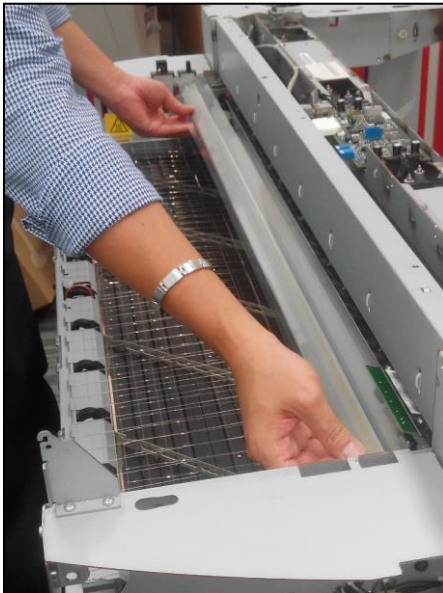
Remove Heater Unit.



Remove screws (2x) on both sides of the Heater.

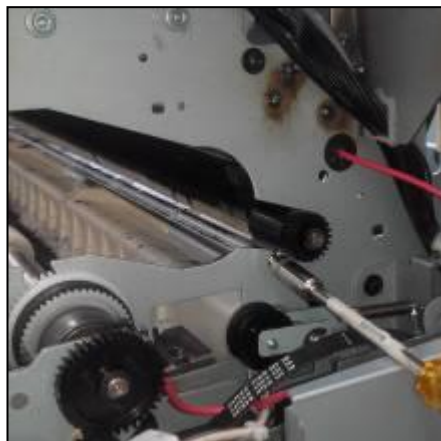
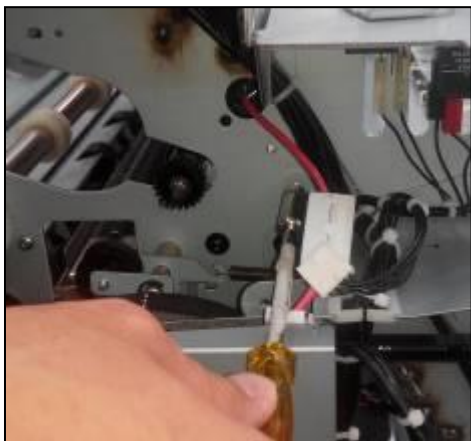


Remove Plate Cover.



Remove screws (4x) on both sides of the Air Supply Unit.

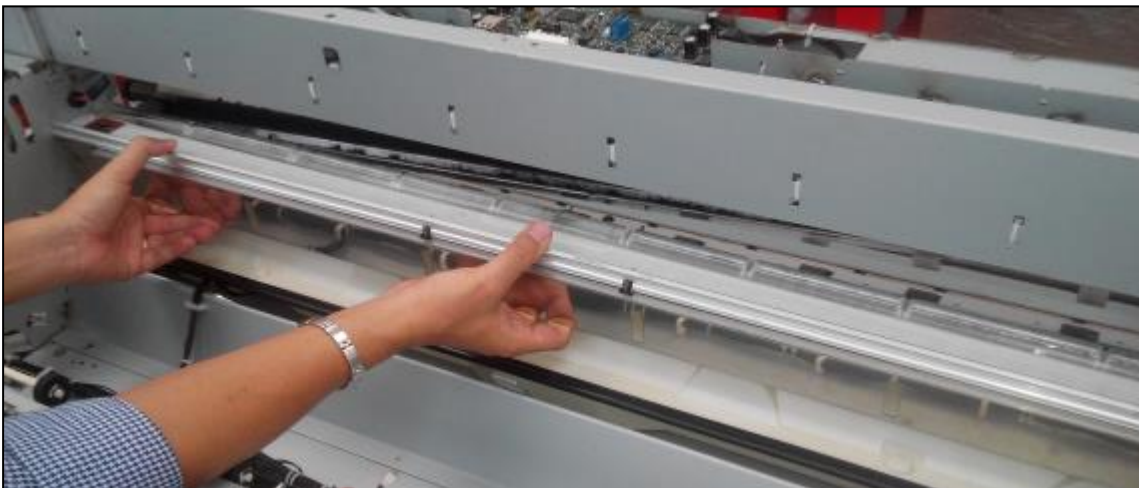




Disconnect all connectors at both ends of Air Supply Unit.



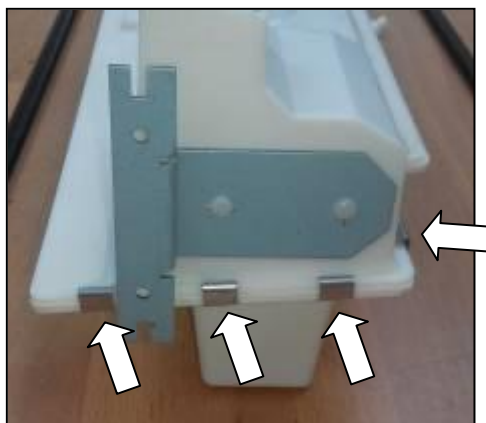
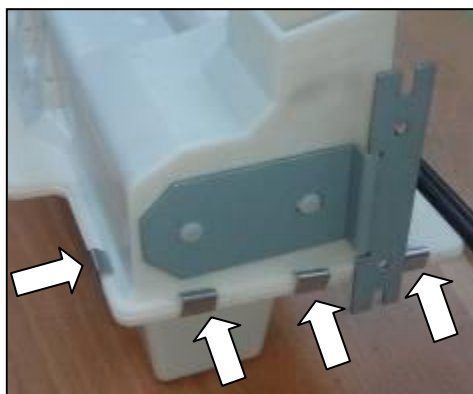
Remove aluminum plate.



Disconnect connector (underneath Air Supply unit) before removing Air Supply Unit.



Remove all clamps.



Open up Air Supply Unit to remove Filters (2x) (Item 27).



5. Conclusion

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