

Disassembly of Waste Electrical and Electronic Equipment (WEEE) Manual

EU Waste Electronic and Electrical Equipment Directive require producers to provide information of the different electronic and electrical materials and components found in their products at its end-of-life, and disassembly references to treatment and recycling facilities.

1. Product information
2. Materials and components list for selective treatment
3. Disassembly tools
4. Disassembly references

The following information is intended only for the use of recognized treatment and recycling facilities.

Section 1: Product information

Model name(s)— The product models are group together in series and are mechanically equivalent

Lexmark MS72x series –
MS725dvn

Lexmark MS82x series –
MS821n, MS821dn, MS822de, M5255,
MS823n, MS823dn, MS825dn, MS826de,
M5270, B2865dw

Lexmark MX72x series –
MX721ade, XM5365, MX721adhe,
MX722ade, MX722adhe, XM5370,
MX725adve, MB2770adwhe

Lexmark MX82x series –
MX822ade, XM7355, MX822adxe,
MX826ade, XM7370, MX826adxe,
MX826adtfe

Section 2: Materials and components list for selective treatment

Table 2: Materials and components list for selective treatment

Description	Count	Notes
Polychlorinated biphenyls (PCB) containing capacitors	0	N/A
Mercury containing components, such as switches or backlighting lamps	0	N/A
Batteries	1	***** <u>Total Count = 1</u> ***** Lithium Manganese Oxide coin cell located on the Controller card
Printed circuit boards greater than 10 cm ²	multiple	***** <u>Minimum Count = 7</u> ***** For details, see Annex B ***** <u>Options:</u> See: Paper handling ***** Note: Fax is standard for MX72x, MX82x
Toner cartridges, liquid and pasty, as well as colour toner	2	1 – Toner cartridge 1 – Imaging unit
<u>Plastic component(s)</u> that may contain BFR (brominated [§] flame retardants)	multiple	***** <u>Minimum Count = 23</u> ***** For details, See Annex A ***** <u>Options:</u> See: Paper handling *****
Note (§) - This product may contain plastic parts with brominated flame retardants. Recycler should treat these parts separately. See section 4.3 Disclaimer.		
Asbestos waste and components which contain asbestos	0	N/A
Cathode ray tubes	0	N/A
Chlorofluorocarbons (CFC), Hydrochlorofluorocarbons (HCFC) or Hydrofluorocarbons (HFC), Hydrocarbons (HC)	0	N/A
Gas discharge lamps	0	N/A
Liquid Crystal Display (LCD) greater <u>than 100 cm²</u> and those back-lighted with Gas discharge lamps	1	1 (depending on product model)
External electrical cables	1	Power cord located on the back lower left quadrant
Components containing refractory fibres	0	N/A
Components containing radioactive substances	0	N/A
Electrolyte capacitors containing substances of concern (<i>capacitors with height > 25 mm, diameter > 25 mm or proportionately similar volume</i>)	1	Capacitor located on Power Supply
Electrical and Electronic (EE) Customer Replaceable Paper handling devices	multiple	See Customer Replaceable Paper handling devices For details, See Annex C
Electrical and Electronic (EE) Customer Replaceable Internal/External Card options	multiple	See External Card options For details, See Annex D

Section 3: Common Tools for Disassembly

Table 3.1 - Disassembly tools

Item	Description
1	#2 Phillips screwdriver, magnetic
2	Wire cutter
3	E-clip puller or small flat-head screwdriver
4	Standard slotted head screwdriver





Section 4: Disassembly references

4.1 Removal procedure(s)

WEEE materials and components removal procedures are available upon request.

Please Contact: recycling@lexmark.com

4.2 Graphical illustration of material's and component's location

-  LCD > 100 cm²
-  PCBs > 10 cm²
-  Printer components containing Brominated flame retardants
-  Battery

Please note: Graphic illustrations contained in this document may differ slightly from actual components

4.3 Disclaimer

Statement on WEEE Bromine Levels

Manufacturer is compliant with the European Directive 2012/19/EU and European Commission's mandated technical specification CLC/TS 50625-3-1:2015 stating that plastic containing brominated flame retardants (BFR) must be removed from any separately collected WEEE (Article 8, Annex VII) if total bromine concentration in the fraction is known to be >2000 ppm, or expected to be >2000 ppm, or if it is not declared. Concentrations of bromine <2000 ppm are acceptable for reuse and do not require separation, so that the re-use and recycling of components or whole appliances is not hindered per Annex II, Section 3 of the WEEE Directive (2002/96/EU), and Annex VII, Section 3 of the WEEE Directive (2012/19/EU).

Section 5: Supplies

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery



Figure 5.1: Toner Cartridge

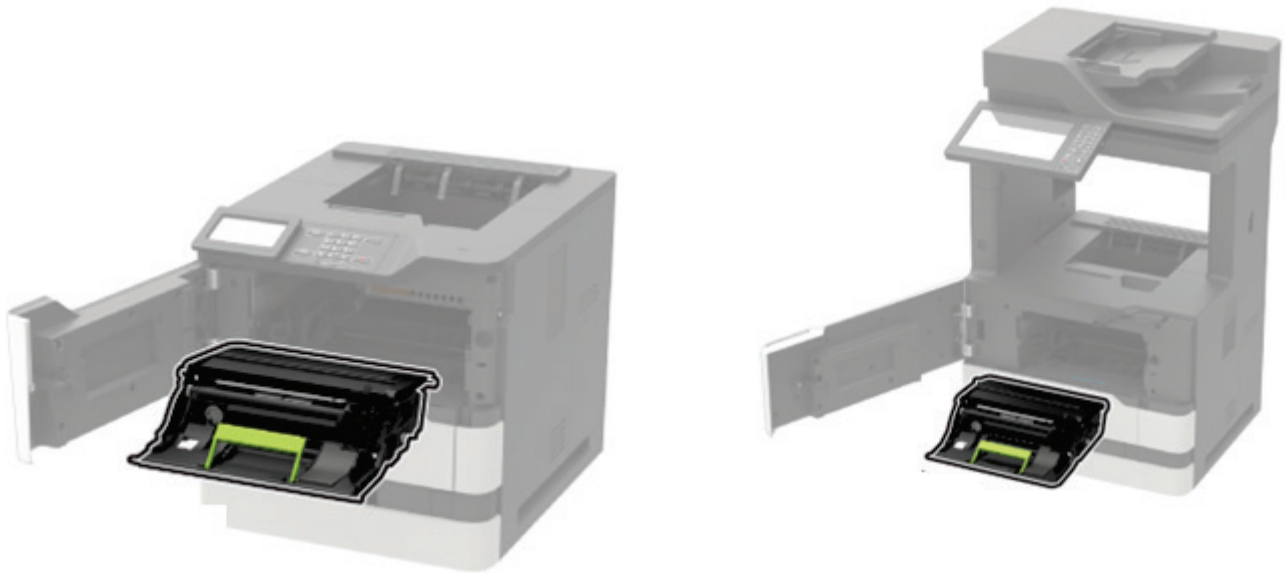


Figure 5.2: Imaging Unit

Table 5: Supplies – Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
--	None

Table Component Count (without options)

LCD>100cm ²	= 0
PCBs>10cm ²	= 0
BFR Plastics	= 0
Battery	= 0

Section 6: Control Panel 1

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

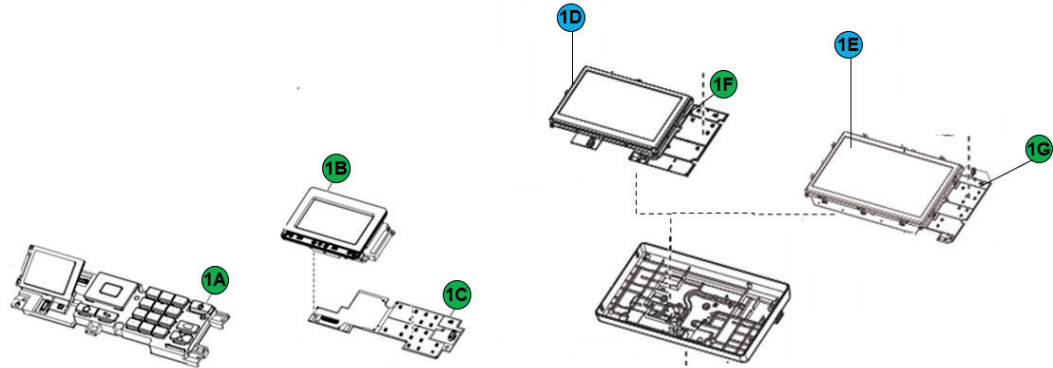


Figure 6.1: Control Panel 1

Table 6: Control Panel 1 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1A	2.4 in Color LCD Control panel board
1B	4.3 in Color touch screen LCD board (MS826 models)
1C	4.3 in Control panel button board (MS826 models)
1D	7 in Control panel LCD (MX72x series)
1E	10 in Control panel LCD (MX82x series)
1F	7 in Control panel button board (MX72x series)
1G	10.1 in Control panel button board (MX82x series)

Table Component Count (without options)

LCD>100cm² = 1 (depending on model)
 PCBs>10cm² = 1 (depending on model)
 BFR Plastics = 0
 Battery = 0

Section 7: Covers

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

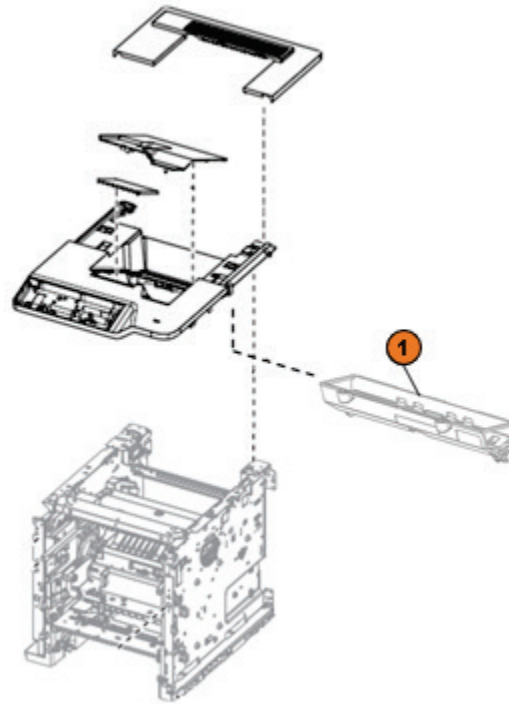


Figure 7.1: Covers

Table 7: Covers - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	50G2256 – Duct-Middle (MS72x series only)

Table Component Count (*without options*)

LCD>100cm ²	= 0
PCBs>10cm ²	= 0
BFR Plastics	= 1
Battery	= 0

Section 8: Fuser

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

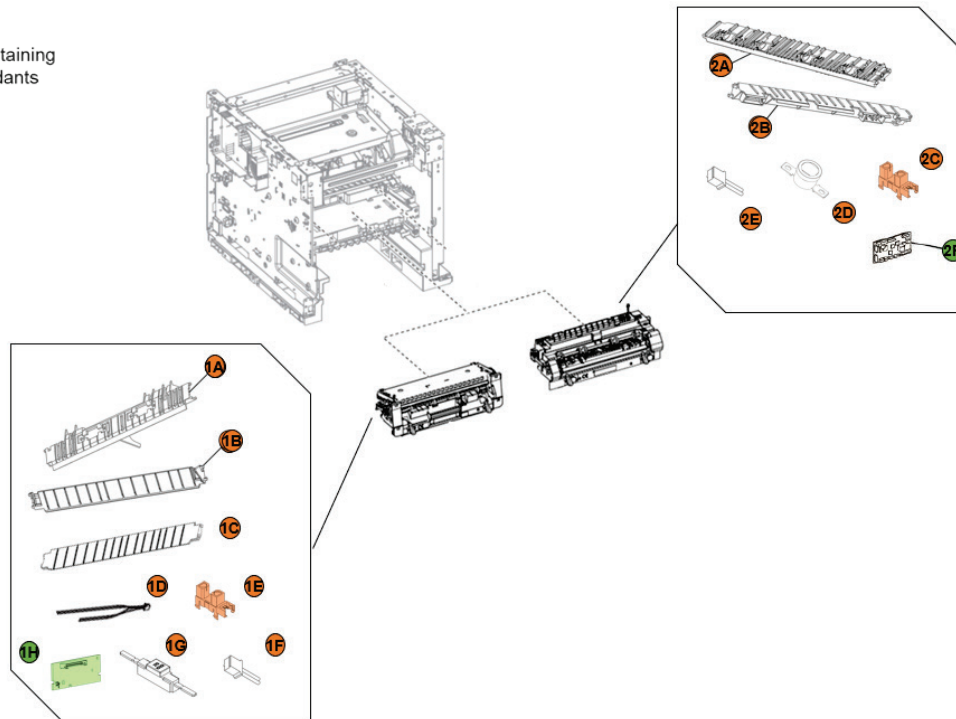


Figure 8.1: Fuser

Table 8: Fuser - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1A	50G8521 – Lower Exit
1B	50G8570 – Entry
1C	40G4044 - Lower
1D	Sensor (Thermistor)
1E	Sensor (Thermistor)
1F	Sensor (Exit)
1G	Sensor (TCO)
1H	Fuser card
2A	50G4018 – LOWER EXIT - FUSER (MS72x series)
2B	50G4021 – UPPER EXIT – FUSER (MS72x series)
2C	Sensor (Media) (MS72x series)
2D	Sensor (TCO) (MS72x series)
2E	Sensor (Thermistor) (MS72x series)
2F	Fuser card (MS72x series)

Table Component Count (without options)

LCD>100cm² = 0
 PCBs>10cm² = 1
 BFR Plastics = 5 or 7 (depending on model)
 Battery = 0

Section 9: Electronics 1

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

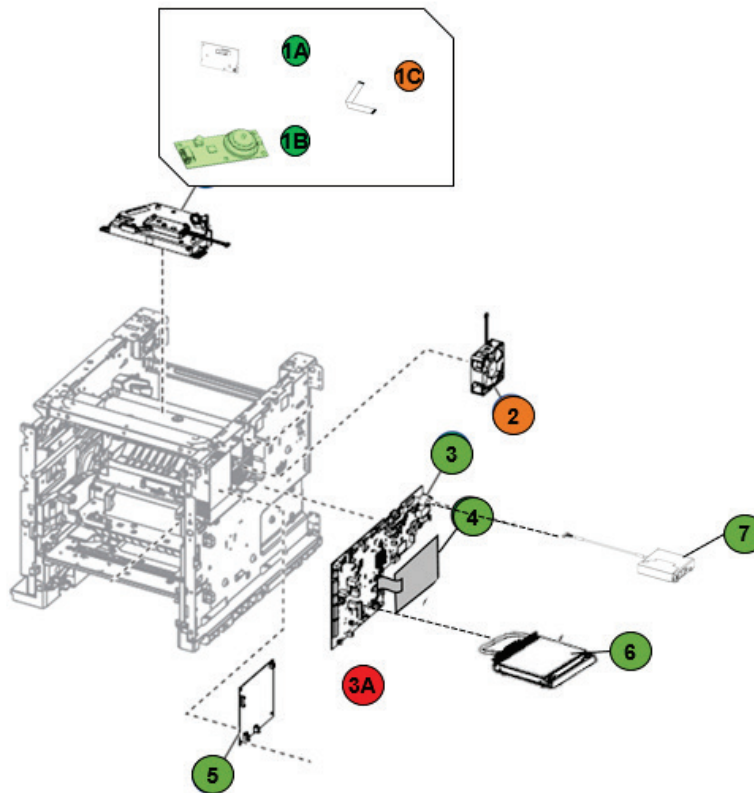


Figure 9.1: Electronics 1

Table 9: Electronics 1 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1A	Printhead PCBA
1B	Polygon PCBA
1C	Printhead tape
2	Fan
3	Controller board
3A	Battery
4	Interface cards (Optional)
5	HVPS
6	Hard drive (Optional for MS72x & MS82x)
7	Fax card (MX72x & MX82x series only)

Table Component Count (without options)

LCD>100cm² = 0
 PCBs>10cm² = 4 or 6 depending on model
 BFR Plastics = 2
 Battery = 1

Section 10: Electronics 2

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

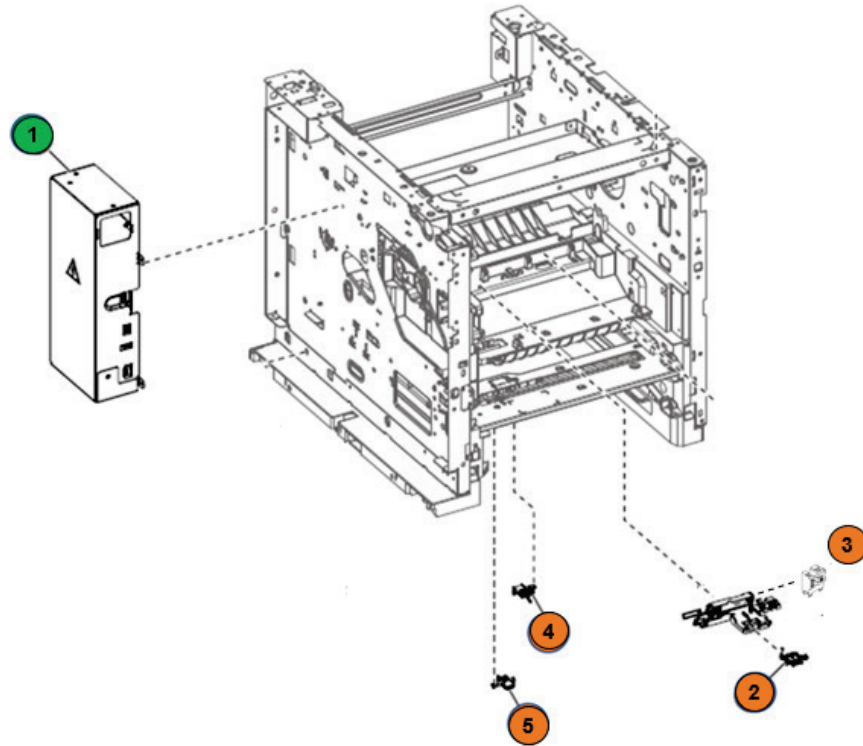


Figure 10.1: Electronics 2

Table 10: Electronics 2 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	LVPS
2	Sensor (input)
3	Sensor (toner density)
4	Sensor (pass-through)
5	Sensor (pick)

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 1
 BFR Plastics = 4
 Battery = 0

Section 11: Sensors 1

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

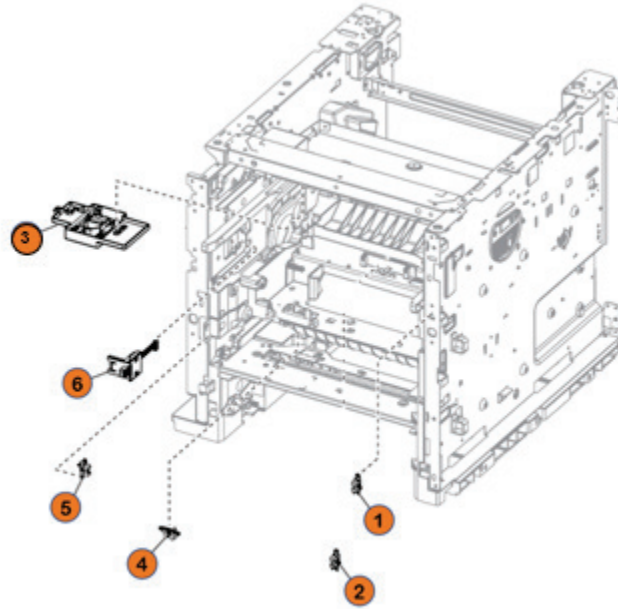


Figure 11.1: Sensors 1

Table 11: Sensors 1 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (interlock)
2	Sensor (Shutter)
3	Sensor (toner low)
4	Sensor (interlock)
5	Sensor (paper present)
6	Sensor (smart chip)

Table Component Count (without options)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 6
 Battery = 0

Section 12: Sensors 2

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

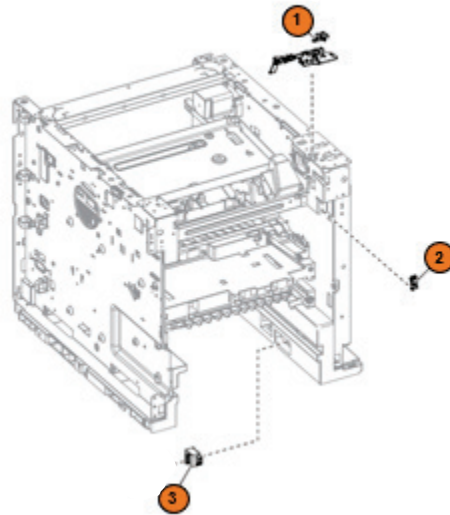


Figure 12.1: Sensors 2

Table 12: Sensors 2 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (Bin full)
2	Sensor (Interlock)
3	Sensor (Paper size)

Table Component Count (without options)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 3
 Battery = 0

Section 13: Duplex

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

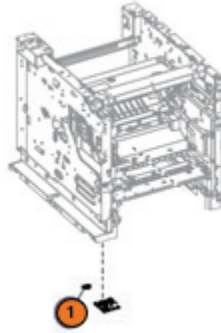


Figure 13.1: Duplex

Table 13: Duplex - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (Duplex path)

Table Component Count (*without options*)

LCD>100cm² = 0
PCBs>10cm² = 0
BFR Plastics = 1
Battery = 0

Section 14: Tray/ Feed

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

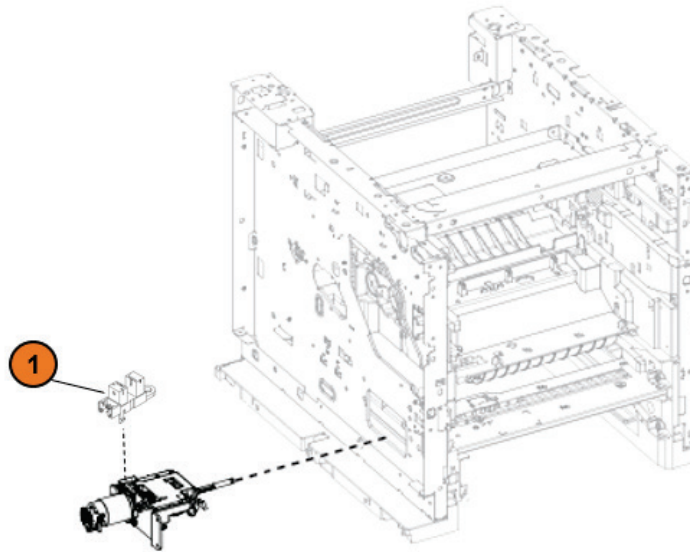


Figure 14.1: Tray/ Feed

Table 14: Tray/ Feed - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (Photo)

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 1
 Battery = 0

Section 15: ADF 1

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

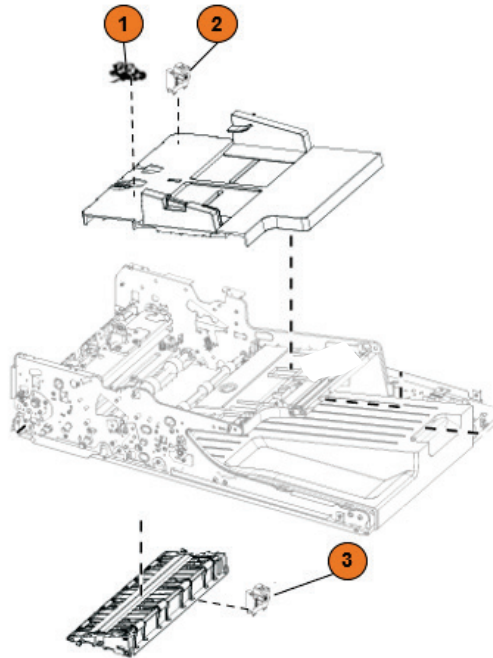


Figure 15.1: ADF 1

Table 15: ADF 1 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (Photo)
2	Sensor (input)
3	Sensor (Photo)

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 3
 Battery = 0

Section 16: ADF 2

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

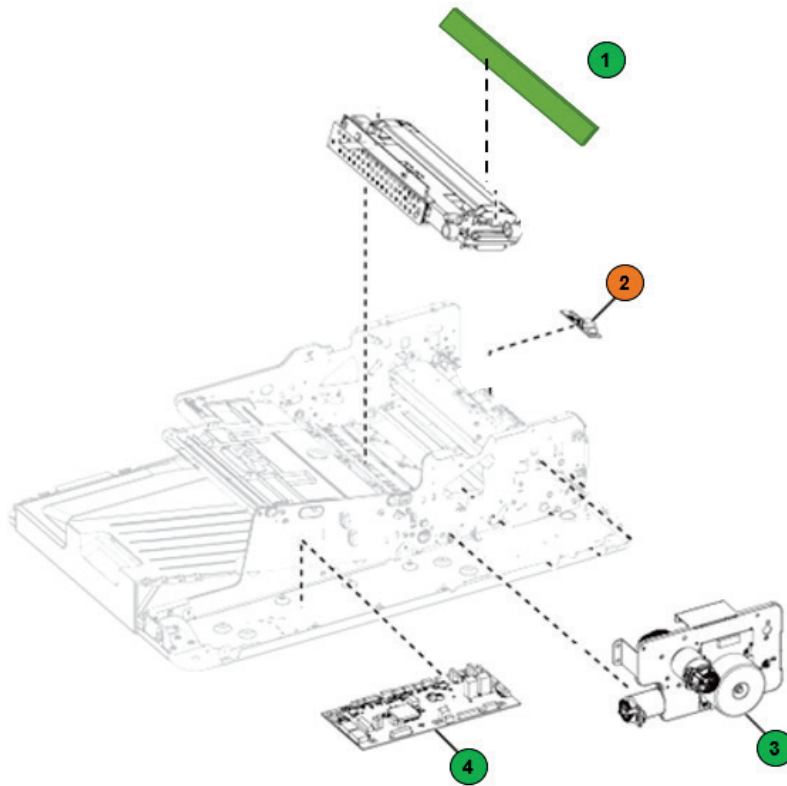


Figure 16.1: ADF 2

Table 16: ADF 2 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	CCD board
2	Sensor (multifeed)
3	ADF motor
4	ADF controller board

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 3
 BFR Plastics = 1
 Battery = 0

Section 17: ADF 3

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

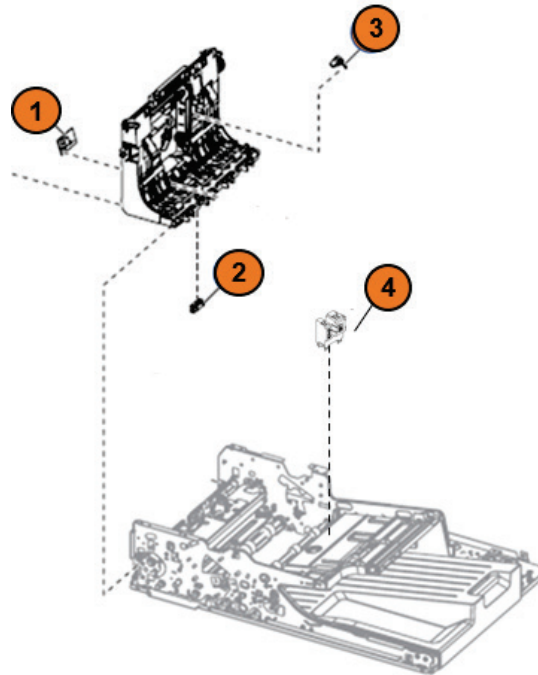


Figure 17.1: ADF 3

Table 17: ADF 3 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (ADF gap detect)
2	Sensor (ADF deskew)
3	Sensor (ADF Multifeed transmitter)
4	Sensor (Photo)

Table Component Count (without options)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 4
 Battery = 0

Section 18: ADF 4

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

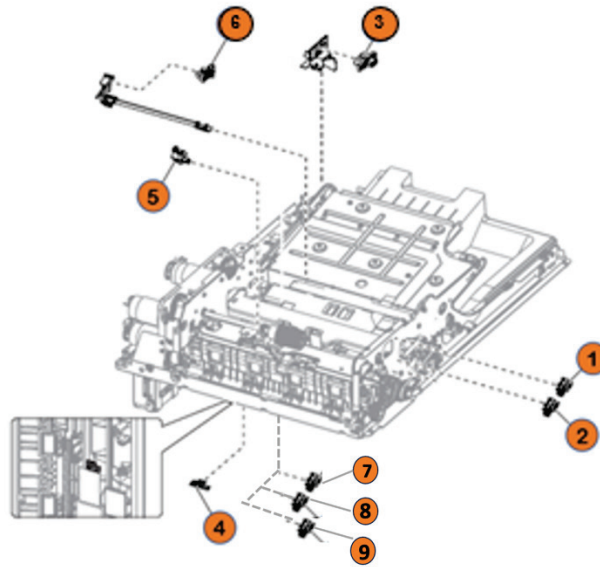


Figure 18.1: ADF 4

Table 18: ADF 4 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (ADF top door interlock)
2	Sensor (ADF bottom door interlock)
3	Sensor (ADF 1st scan)
4	Sensor (ADF pick)
5	Sensor (ADF paper exit)
6	Sensor (ADF closed) with actuator
7	Sensor (ADF closed)
8	Sensor (ADF top door interlock)
9	Sensor (ADF bottom door interlock)

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 9
 Battery = 0

Section 19: Flatbed scanner 1

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

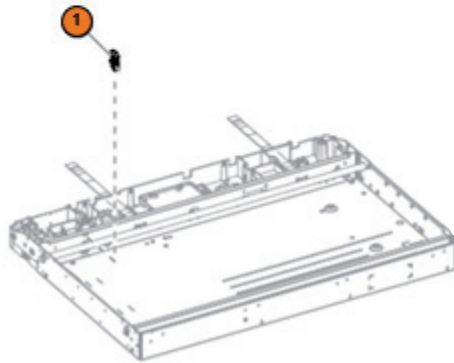


Figure 19.1: Flatbed scanner 1

Table 19: Flatbed scanner 1 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (FB CCDM)
Table Component Count (without options)	
LCD>100cm ²	= 0
PCBs>10cm ²	= 0
BFR Plastics	= 1
Battery	= 0

Section 20: Flatbed scanner 2

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

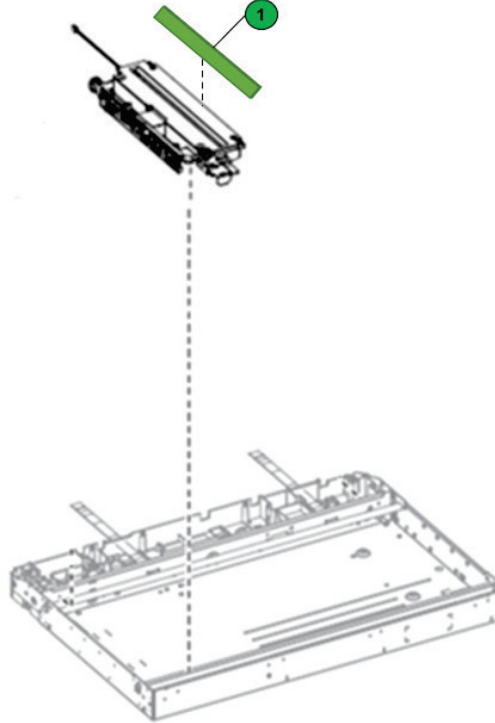


Figure 20.1: Flatbed scanner 2

Table 20: Flatbed scanner 2 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Flatbed scanner CCDM board
Table Component Count <i>(without options)</i>	
LCD>100cm ² = 0	
PCBs>10cm ² = 1	
BFR Plastics = 0	
Battery = 0	

Section 21: MS72x/ MS82x Series Paper handling devices

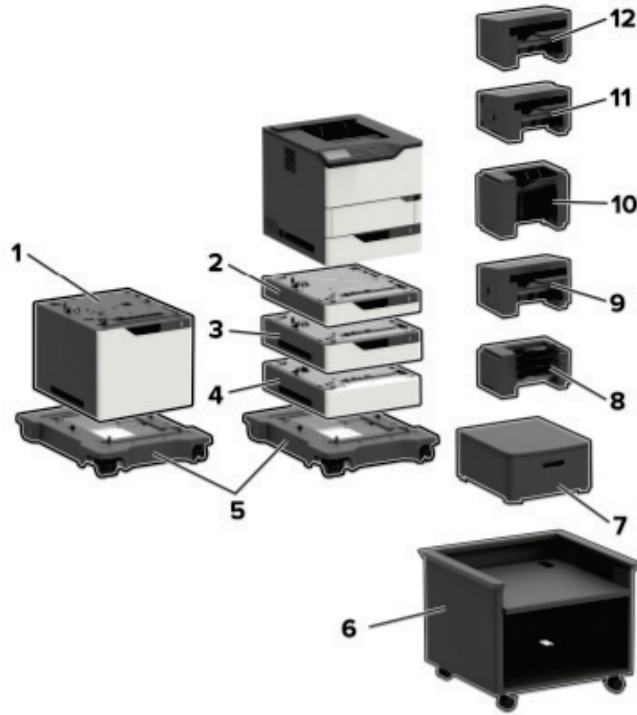


Figure 21.1: MS72x/ MS82x Series Paper handling devices

Table 21: MS72x/ MS82x Series Paper handling devices

Item	Description
1	2100 sheet tray
2	250 sheet tray
3	250 sheet lockable tray
4	550 sheet tray
5	Spacer*
6	Caster base*
7	Adjustable printer stand*
8	Swivel cabinet*
9	4-bin mailbox
10	Output expander
11	High capacity output expander
12	Stapler, hole punch finisher
13	Stapler finisher

*These options do not contain any parts requiring special handling

Section 22: MX72x Series Paper handling devices

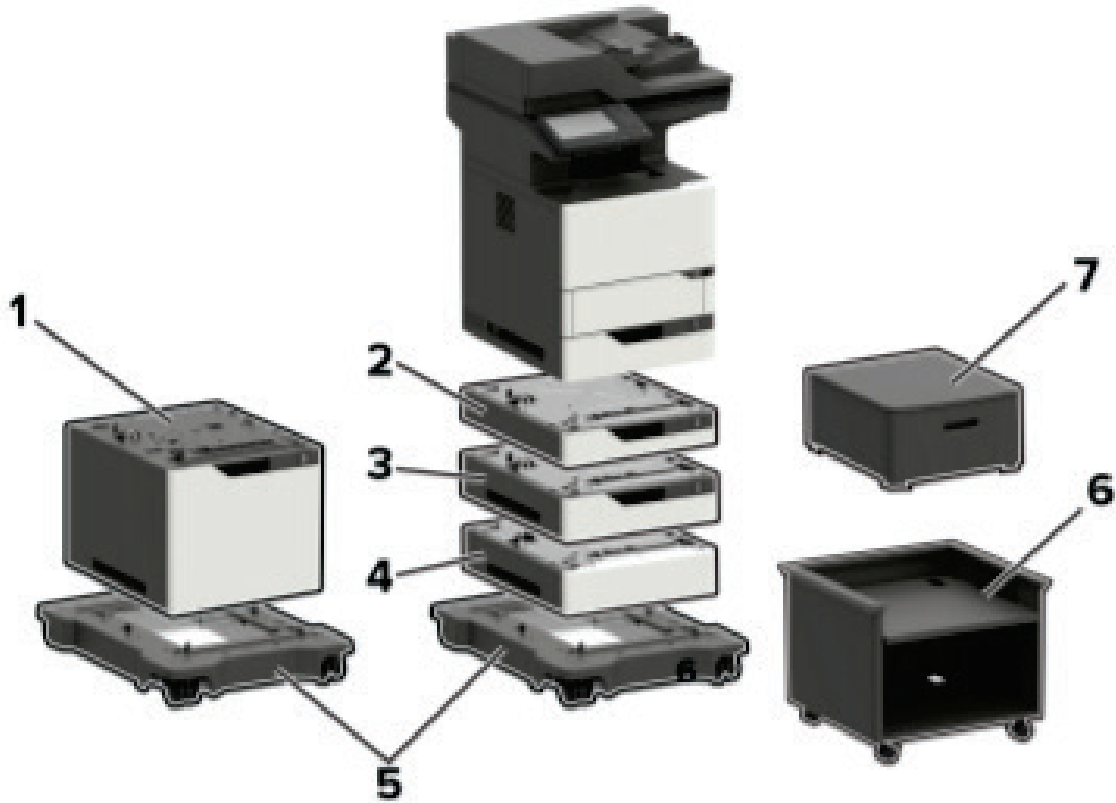


Figure 22.1: MX72x Series Paper handling devices

Table 22: MX72x Series Paper handling devices	
Item	Description
1	2100 sheet tray
2	250 sheet tray / 250 sheet lockable tray
3	550 sheet tray / 550 sheet lockable tray
4	Spacer*
5	Caster base*
6	Adjustable printer stand*
7	Swivel cabinet*

*These options do not contain any parts requiring special handling

Section 23: MX82x Series Paper handling devices

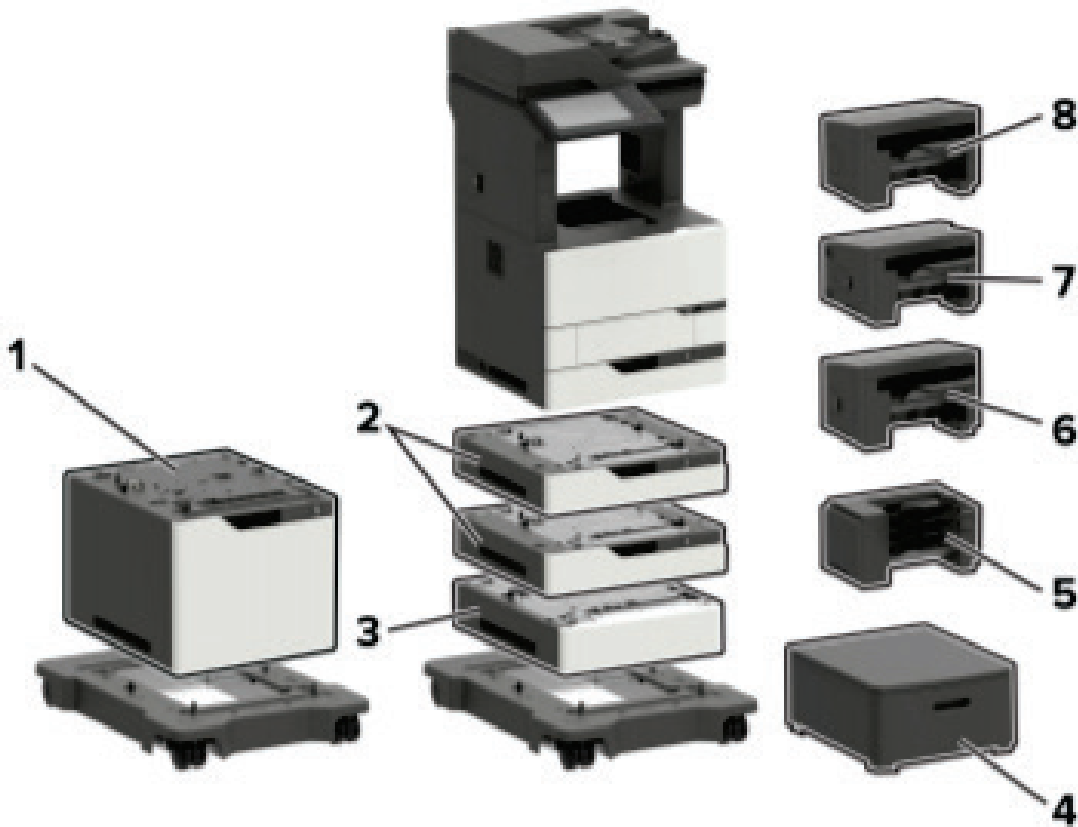


Figure 23.1: MX82x Series Paper handling devices

Table 23: MX82x Series Paper handling devices

Item	Description
1	2100 sheet tray
2	550 sheet tray
3	Spacer*
4	Swivel cabinet*
5	4-bin mailbox
6	Stapler finisher
7	Stapler, hole punch finisher
8	Offset stacker

*These options do not contain any parts requiring special handling

Section 24: 250 and 550 Sheet Tray Option

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

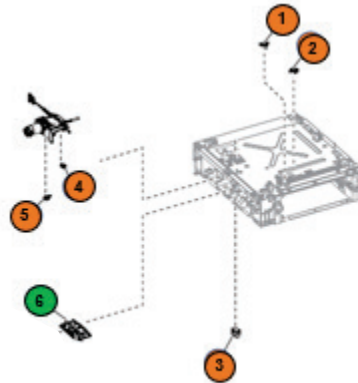


Figure 24.1 250 and 550 Sheet Tray Option

Table 24: 250 and 550 Sheet Tray Option - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (pick)
2	Sensor (pass-through)
3	Sensor (paper size)
4	Sensor (paper present)
5	Sensor (pick roller index)
6	250/550 tray controller board

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 25: 2100 Sheet Tray Option 1

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

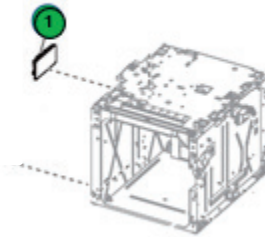


Figure 25.1: 2100 Sheet Tray Option 1

Table 25: 2100 Sheet Tray Option 1- Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Controller board
Table Component Count (without options)	
LCD>100cm ²	= 0
PCBs>10cm ²	= 0
BFR Plastics	= 0
Battery	= 0

Section 26: 2100 Sheet Tray Option 2

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

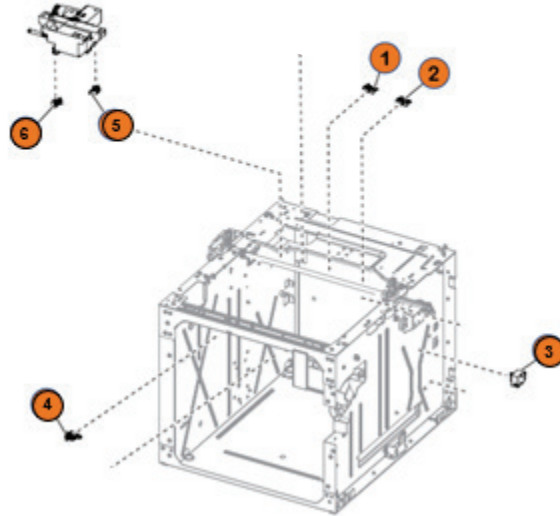


Figure 26.1: 2100 Sheet Tray Option 2

Table 26: 2100 Sheet Tray Option 2 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (2100-sheet tray near empty)
2	Sensor (2100-sheet tray A5 length guide)
3	Sensor (2100-sheet tray paper size)
4	Sensor (2100-sheet tray pick)
5	Sensor (2100-sheet tray pick roller index)
6	Sensor (2100-sheet tray paper present)

Table Component Count (without options)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 27: Output expander 1

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

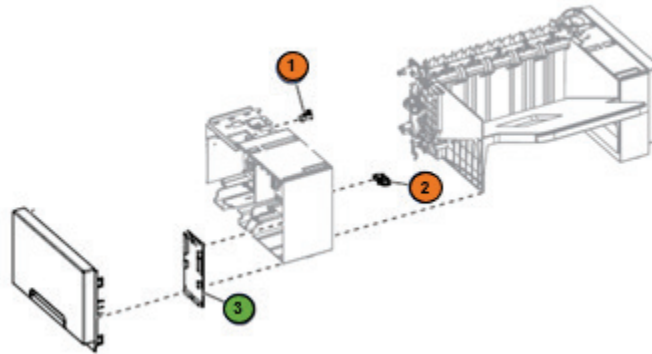


Figure 27.1: : Output expander 1

Table 27: : Output expander 1- Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (OE rear door interlock)
2	Sensor (OE diverter plunger)
3	Output expander Controller board

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 28: Output expander 2

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

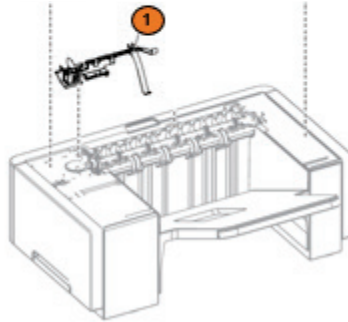


Figure 28.1: Output expander 2

Table 28: Output expander 2 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (flag)
Table Component Count (<i>without options</i>)	
LCD>100cm ²	= 0
PCBs>10cm ²	= 0
BFR Plastics	= 0
Battery	= 0

Section 29: Output expander 3

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

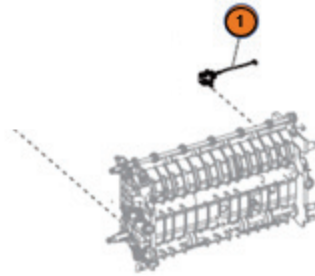


Figure 29.1: Output expander 3

Table 29: Output expander 3 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (pass-through)
<p>Table Component Count (<i>without options</i>)</p> <p>LCD>100cm² = 0</p> <p>PCBs>10cm² = 0</p> <p>BFR Plastics = 0</p> <p>Battery = 0</p>	

Section 30: High capacity output expander 1

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

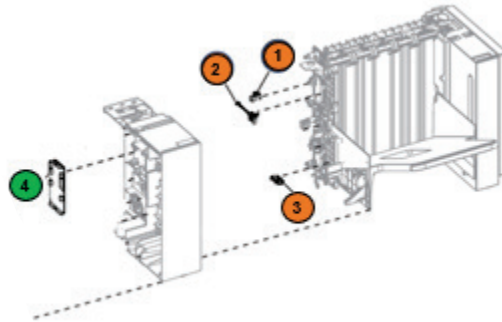


Figure 30.1 High capacity output expander 1

Table 30: High capacity output expander 1 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (HCOE rear door interlock)
2	Sensor (OE diverter plunger)
3	Sensor (HCOE diverter)
4	HCOE controller board

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 31: High capacity output expander 2

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery



Figure 31.1: High capacity output expander 2

Table 31: High capacity output expander 2 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (pass-through)
Table Component Count (<i>without options</i>)	
LCD>100cm ²	= 0
PCBs>10cm ²	= 0
BFR Plastics	= 0
Battery	= 0

Section 32: High capacity output expander 3

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

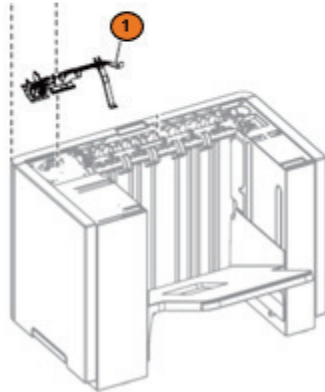


Figure 32.1: High capacity output expander 3

Table 32: High capacity output expander 3 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (Bin full)
Table Component Count (<i>without options</i>)	
LCD>100cm ²	= 0
PCBs>10cm ²	= 0
BFR Plastics	= 0
Battery	= 0

Section 33: Stapler finisher 1

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

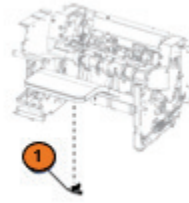


Figure 33.1: Stapler finisher 1

Table 33: Stapler finisher 1 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (paper present)
Table Component Count (without options)	
LCD>100cm ²	= 0
PCBs>10cm ²	= 0
BFR Plastics	= 0
Battery	= 0

Section 34: Stapler finisher 2

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

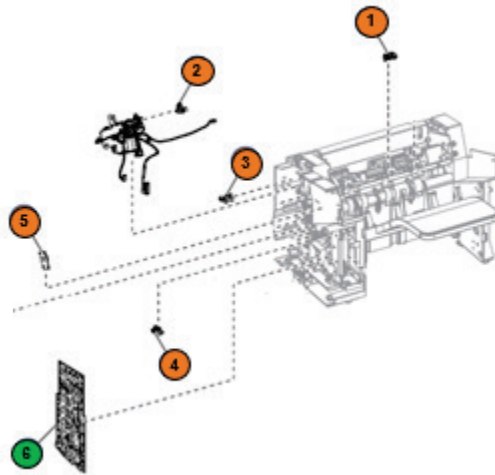


Figure 34.1: Stapler finisher 2

Table 34: Staple finisher 2 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (bin full)
2	Sensor (stack height)
3	Sensor (interlock)
4	Sensor (paddle)
5	Sensor (diverter)
6	Stapler finisher controller board

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 35: Stapler finisher 3

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

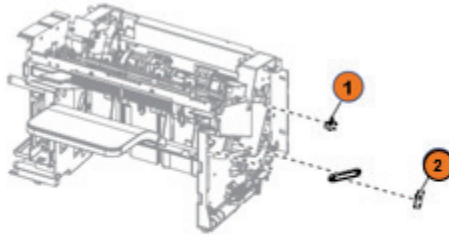


Figure 35.1: Staple finisher 3

Table 35: Staple finisher 3 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (paper present)
2	Sensor (bin full)

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 36: Staple finisher 4

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

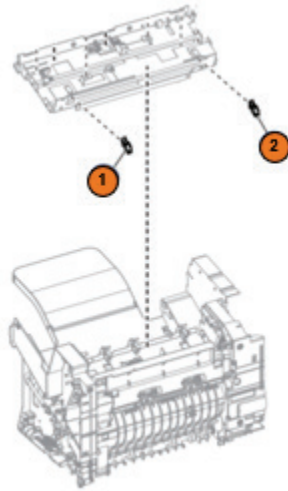


Figure 36.1: Staple finisher 4

Table 36: Staple finisher 4 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (Left tamper)
2	Sensor (right tamper)

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 37: Staple finisher 5

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

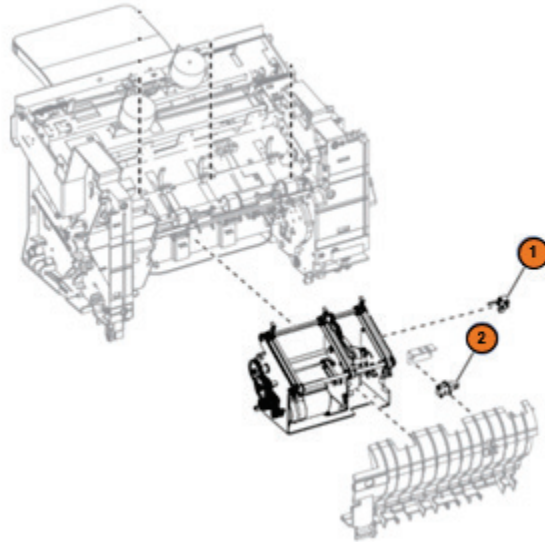


Figure 37.1: Staple finisher 5

Table 37: Staple finisher 5 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (photo interrupt)
2	Sensor (Trailing edge)

Table Component Count (without options)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 38: Mailbox 1

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

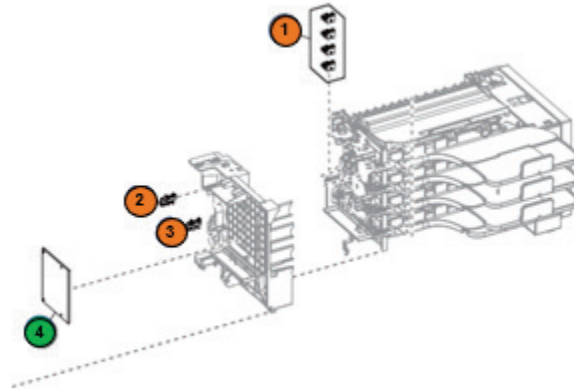


Figure 38.1: Mailbox 1

Table 38: Mailbox 1 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (diverter)
2	Sensor (interlock)
3	Sensor (bin full)
4	Mailbox controller board

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 39: Mailbox 2

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

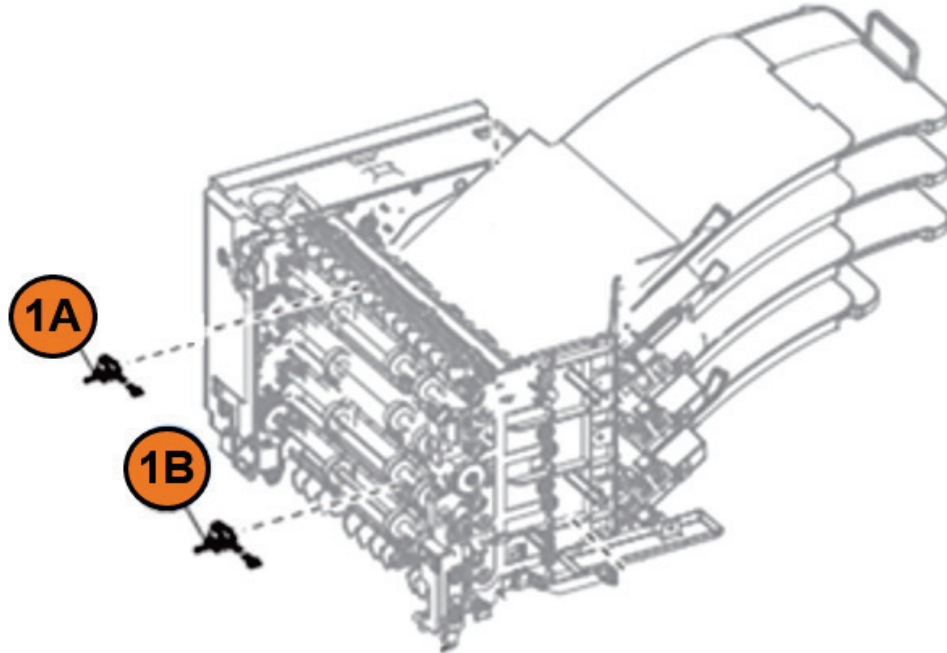


Figure 39.1: Mailbox 2

Table 39: Mailbox 2 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1A	Sensor (pass-through)
1B	

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 40: Staple, hole punch finisher 1

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

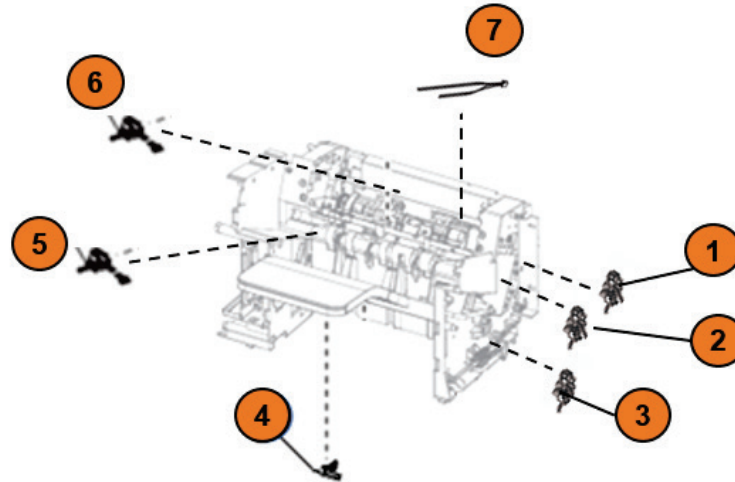


Figure 40.1: Staple, hole punch finisher 1

Table 40: Staple, hole punch finisher 1 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (HPU cartridge position)
2	Sensor (hole punch)
3	Sensor (box present)
4	Sensor (paper present)
5	Sensor (trailing edge)
6	Sensor (Leading edge)
7	Sensor (light array)

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 41: Staple, hole punch finisher 2

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

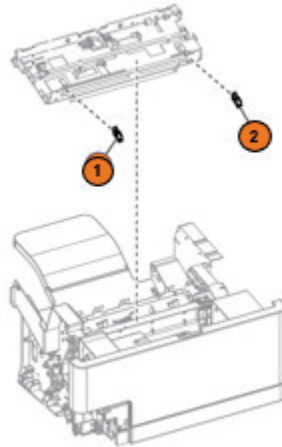


Figure 41.1: Staple, hole punch finisher 2

Table 41: Staple, hole punch finisher 2 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (Left tamper)
2	Sensor (Right tamper)

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 42: Staple, hole punch finisher 3

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

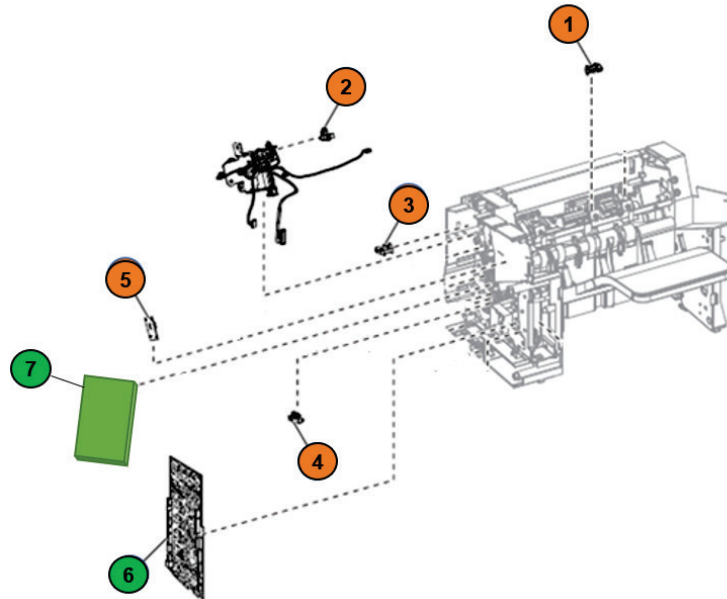


Figure 42.1: Staple, hole punch finisher 3

Table 42: Staple, hole punch finisher 3 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (paddle)
2	Sensor (stack height)
3	Sensor (interlock)
4	Sensor (diverter)
5	Sensor (Bin full)
6	Staple, hole punch controller board
7	SHPF PCBA

Table Component Count (without options)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 43: Stapler, hole punch finisher 4

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

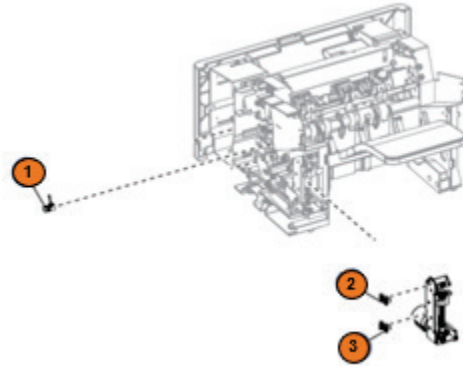


Figure 43.1: Stapler, hole punch finisher 4

Table 43: Stapler, hole punch finisher 4 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (paper present)
2	Sensor (elevator, top)
3	Sensor (elevator bottom)

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 44: Stapler, hole punch finisher 5

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

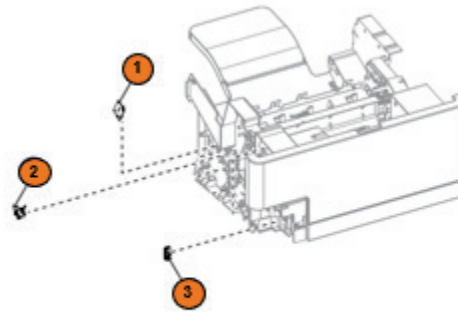


Figure 44.1: Staple, hole punch finisher 5

Table 44: Stapler, hole punch finisher 5 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (bin full)
2	Sensor (paper present)
3	Sensor (box present)

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 45: Offset stacker 1

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

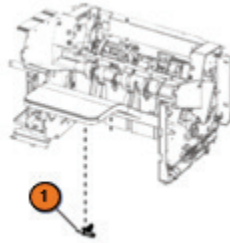


Figure 45.1: Offset stacker 1

Table 45: Offset stacker 1- Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (Paper present)
<p>Table Component Count (<i>without options</i>)</p> <p>LCD>100cm² = 0</p> <p>PCBs>10cm² = 0</p> <p>BFR Plastics = 0</p> <p>Battery = 0</p>	

Section 46: Offset stacker 2

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

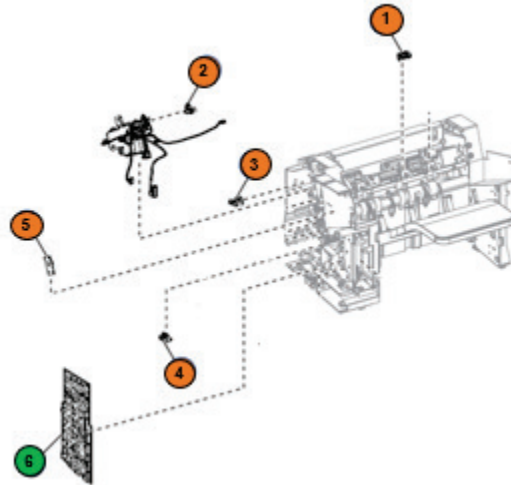


Figure 46.1: Offset stacker 2

Table 46: Offset stacker 2 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (paddle)
2	Sensor (stack height)
3	Sensor (interlock)
4	Sensor (diverter)
5	Sensor (bin full)
6	Offest stacker controller board

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 47: Offset stacker 3

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

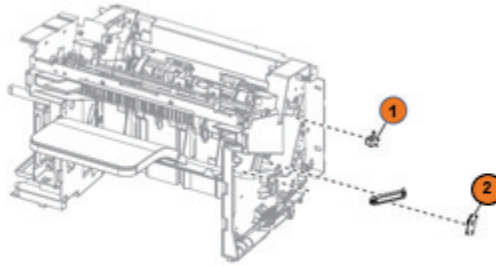


Figure 47.1: Offset stacker 3

Table 47: Offset stacker 3 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (paper present)
2	Sensor (bin full)

Table Component Count (*without options*)

LCD>100cm² = 0
PCBs>10cm² = 0
BFR Plastics = 0
Battery = 0

Section 48: Offset stacker 4

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

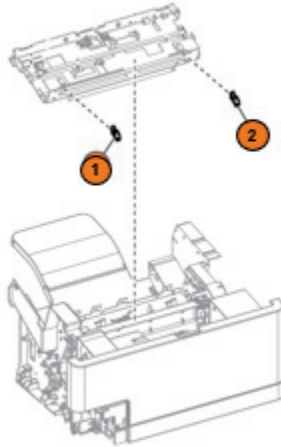


Figure 48.1: Offset stacker 4

Table 48: Offset stacker 4 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (Left tamper)
2	Sensor (right tamper)

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

Section 49: Offset stacker 5

- LCD > 100 cm²
- PCBs > 10 cm²
- Printer components containing Brominated flame retardants
- Battery

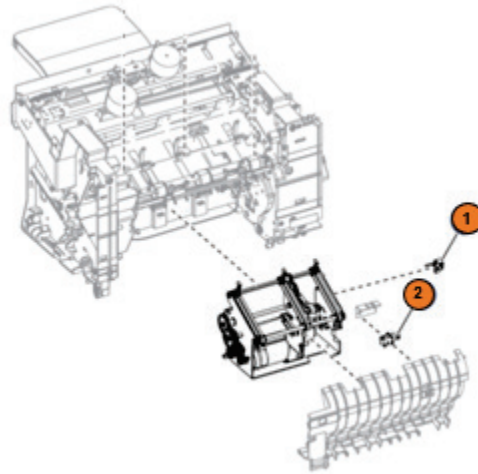


Figure 49.1: Offset stacker 5

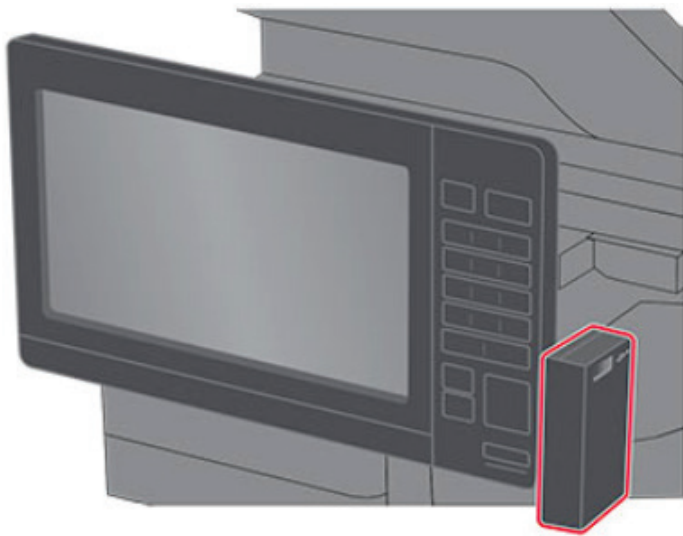
Table 49: Offset stacker 5 - Printed Circuit Boards >10cm² and Plastic with Brominated flame retardants

Item	Description
1	Sensor (ejector)
2	Sensor (pass-through)

Table Component Count (*without options*)

LCD>100cm² = 0
 PCBs>10cm² = 0
 BFR Plastics = 0
 Battery = 0

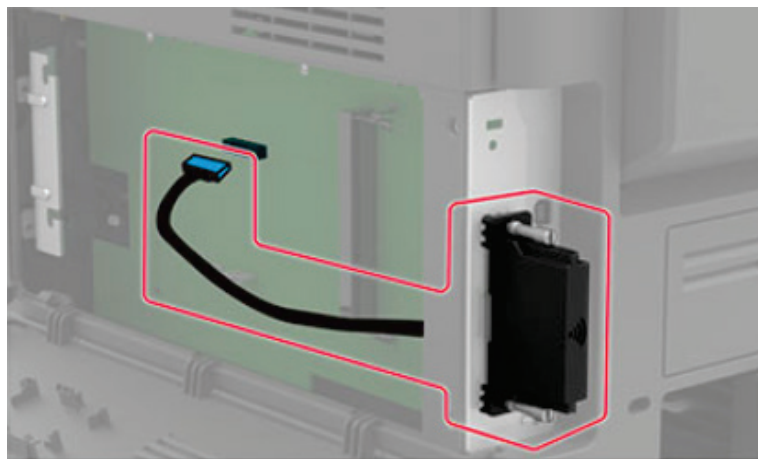
Section 50: External options



Authentication card readers¹



Keyboard¹



External Print Servers¹

Note 1: Illustration shows actual options and their typical locations and mounting at the side of the printer. However, this does not show the actual printer model.

Annex A – Printer components with Brominated^S Flame Retardants

Item	Description	Parts Marking	Qty	MS72x	MS82x	MX72x	MX82x	Location
1	50G2256 – Duct-Middle HR	PET-(GF+MD)40 FR(17)	1	X				Covers
2	50G4018 – LOWER EXIT - FUSER (Hot roll)	PET-(GF+MD)40 FR(17)	1	X				Fuser
3	50G4021 – UPPER EXIT – FUSER (Hot roll)	PA66-GF30 FR(17)	1	X				Fuser
4	Sensor (Media) (Hot roll)	N/A	1	X				Fuser
5	Sensor (TCO) (Hot roll)	N/A	1	X				Fuser
6	Sensor (Thermistor) (Hot roll)	N/A	1	X				Fuser
7	50G8521 – Lower Exit	PET-(GF+MD)40 FR(17)	1		X	X	X	Fuser
8	50G8570 – Entry	PET-(GF+MD)40 FR(17)	1		X	X	X	Fuser
9	40G4044 - Lower	PET-(GF+MD)40 FR(17)	1		X	X	X	Fuser
10	Sensor (Thermistor)	N/A	1		X	X	X	Fuser
11	Sensor (Thermistor)	N/A	1		X	X	X	Fuser
12	Sensor (Exit)	N/A	1		X	X	X	Fuser
13	Sensor (TCO)	N/A	1		X	X	X	Fuser
14	Printhead tape	N/A	1	X	X	X	X	Electronics 1
15	Fan	N/A	1	X	X	X	X	Electronics 1
16	Sensor (input)	N/A	1	X	X	X	X	Electronics 2
17	Sensor (toner density)	N/A	1	X	X	X	X	Electronics 2
18	Sensor (pass-through)	N/A	1	X	X	X	X	Electronics 2
19	Sensor (pick)	N/A	1	X	X	X	X	Electronics 2
20	Sensor (interlock)	N/A	1	X	X	X	X	Sensors 1
21	Sensor (Shutter)	N/A	1	X	X	X	X	Sensors 1
22	Sensor (toner low)	N/A	1	X	X	X	X	Sensors 1
23	Sensor (interlock)	N/A	1	X	X	X	X	Sensors 1
24	Sensor (paper present)	N/A	1	X	X	X	X	Sensors 1
25	Sensor (smart chip)	N/A	1	X	X	X	X	Sensors 1
26	Sensor (Bin full)	N/A	1	X	X	X	X	Sensors 2
27	Sensor (Interlock)	N/A	1	X	X	X	X	Sensors 2
28	Sensor (Paper size)	N/A	1	X	X	X	X	Sensors 2
29	Sensor (Duplex path)	N/A	1	X	X	X	X	Duplex

30	Sensor (photo)	N/A	1	X	X	X	X	Tray/feed
31	Sensor (photo)	N/A	1			X	X	ADF 2
32	Sensor (input)	N/A	1			X	X	ADF 2
33	Sensor (photo)	N/A	1			X	X	ADF 2
34	Sensor (multifeed)	N/A	1			X	X	ADF 4
35	Sensor (ADF gap detect)	N/A	1			X	X	ADF 5
36	Sensor (ADF deskew)	N/A	1			X	X	ADF 5
37	Sensor (ADF Multifeed transmitter)	N/A	1			X	X	ADF 5
38	Sensor (photo)	N/A	1			X	X	ADF 5
39	Sensor (ADF top door interlock)	N/A	1			X	X	ADF 6
40	Sensor (ADF bottom door interlock)	N/A	1			X	X	ADF 6
41	Sensor (ADF 1st scan)	N/A	1			X	X	ADF 6
42	Sensor (ADF pick)	N/A	1			X	X	ADF 6
43	Sensor (ADF paper exit)	N/A	1			X	X	ADF 6
44	Sensor (ADF closed) with actuator	N/A	1			X	X	ADF 6
45	Sensor (ADF closed)	N/A	1			X	X	ADF 6
46	Sensor (ADF top door interlock)	N/A	1			X	X	ADF 6
47	Sensor (ADF bottom door interlock)	N/A	1			X	X	ADF 6
48	Sensor (FB CCDM)	N/A	1			X	X	Flatbed scanner 2
49	Sensor (pick)	N/A	1	Optional	Optional	Optional	Optional	250 and 550 Sheet Tray Option
50	Sensor (pass-through)	N/A	1	Optional	Optional	Optional	Optional	250 and 550 Sheet Tray Option
51	Sensor (paper size)	N/A	1	Optional	Optional	Optional	Optional	250 and 550 Sheet Tray Option
52	Sensor (paper present)	N/A	1	Optional	Optional	Optional	Optional	250 and 550 Sheet Tray Option
53	Sensor (pick roller index)	N/A	1	Optional	Optional	Optional	Optional	250 and 550 Sheet Tray Option
54	Sensor (2100-sheet tray near empty)	N/A	1	Optional	Optional	Optional	Optional	2100 Sheet Tray Option 2
55	Sensor (2100-sheet tray A5 length guide)	N/A	1	Optional	Optional	Optional	Optional	2100 Sheet Tray Option 2
56	Sensor (2100-sheet tray paper size)	N/A	1	Optional	Optional	Optional	Optional	2100 Sheet Tray Option 2

57	Sensor (2100-sheet tray pick)	N/A	1	Optional	Optional	Optional	Optional	2100 Sheet Tray Option 2
58	Sensor (2100-sheet tray pick roller index)	N/A	1	Optional	Optional	Optional	Optional	2100 Sheet Tray Option 2
59	Sensor (2100-sheet tray paper present)	N/A	1	Optional	Optional	Optional	Optional	2100 Sheet Tray Option 2
60	Sensor (OE rear door interlock)	N/A	1	Optional	Optional			Output expander 1
61	Sensor (OE diverter plunger)	N/A	1	Optional	Optional			Output expander 1
62	Sensor (flag)	N/A	1	Optional	Optional			Output expander 2
63	Sensor (pass-through)	N/A	1	Optional	Optional			Output expander 3
64	Sensor (HCOE rear door interlock)	N/A	1	Optional	Optional			High capacity output expander 1
65	Sensor (OE diverter plunger)	N/A	1	Optional	Optional			High capacity output expander 1
66	Sensor (HCOE diverter)	N/A	1	Optional	Optional			High capacity output expander 1
67	Sensor (pass-through)	N/A	1	Optional	Optional			High capacity output expander 2
68	Sensor (Bin full)	N/A	1	Optional	Optional			High capacity output expander 3
69	Sensor (paper present)	N/A	1	Optional	Optional		Optional	Staple finisher 1
70	Sensor (bin full)	N/A	1	Optional	Optional		Optional	Staple finisher 2
71	Sensor (stack height)	N/A	1	Optional	Optional		Optional	Staple finisher 2
72	Sensor (interlock)	N/A	1	Optional	Optional		Optional	Staple finisher 2
73	Sensor (paddle)	N/A	1	Optional	Optional		Optional	Staple finisher 2
74	Sensor (diverter)	N/A	1	Optional	Optional		Optional	Staple finisher 2
75	Sensor (paper present)	N/A	1	Optional	Optional		Optional	Staple finisher 3
76	Sensor (bin full)	N/A	1	Optional	Optional		Optional	Staple finisher 3
77	Sensor (Left tamper)	N/A	1	Optional	Optional		Optional	Staple finisher 4
78	Sensor (right tamper)	N/A	1	Optional	Optional		Optional	Staple finisher 4
79	Sensor (photo interrupt)	N/A	1	Optional	Optional		Optional	Staple finisher 5
80	Sensor (Trailing edge)	N/A	1	Optional	Optional		Optional	Staple finisher 5
81	Sensor (diverter)	N/A	4	Optional	Optional		Optional	Mailbox 1
82	Sensor (interlock)	N/A	1	Optional	Optional		Optional	Mailbox 1
83	Sensor (bin full)	N/A	1	Optional	Optional		Optional	Mailbox 1
84	Sensor (pass-through)	N/A	2	Optional	Optional		Optional	Mailbox 2

85	Sensor (HPU cartridge position)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 1
86	Sensor (hole punch)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 1
87	Sensor (box present)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 1
88	Sensor (paper present)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 1
89	Sensor (trailing edge)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 1
90	Sensor (Leading edge)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 1
91	Sensor (light array)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 1
92	Sensor (Left tamper)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 2
93	Sensor (Right tamper)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 2
94	Sensor (paddle)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 3
95	Sensor (stack height)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 3
96	Sensor (interlock)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 3
97	Sensor (diverter)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 3
98	Sensor (paddle)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 3
99	Sensor (paper present)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 4
100	Sensor (elevator, top)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 4
101	Sensor (elevator, bottom)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 4
102	Sensor (bin full)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 5
103	Sensor (paper present)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 5
104	Sensor (box present)	N/A	1	Optional	Optional		Optional	Staple, hole punch finisher 5
105	Sensor (Paper present)	N/A	1				Optional	Offset stacker 1
106	Sensor (paddle)	N/A	1				Optional	Offset stacker 2
107	Sensor (stack height)	N/A	1				Optional	Offset stacker 2
108	Sensor (interlock)	N/A	1				Optional	Offset stacker 2
109	Sensor (diverter)	N/A	1				Optional	Offset stacker 2
110	Sensor (bin full)	N/A	1				Optional	Offset stacker 2
111	Sensor (paper present)	N/A	1				Optional	Offset stacker 3
112	Sensor (bin full)	N/A	1				Optional	Offset stacker 3

113	Sensor (Left tamper)	N/A	1				Optional	Offset stacker 4
114	Sensor (right tamper)	N/A	1				Optional	Offset stacker 4
115	Sensor (ejector)	N/A	1				Optional	Offset stacker 5
116	Sensor (pass-through)	N/A	1				Optional	Offset stacker 5
Minimum Count (without options) =			23					

Annex B – Printed Circuit Boards >10cm²

Item	Description	Qty	MS72x	MS82x	MX72x	MX82x	Location
1A	2.4 in Color LCD Control panel board	1	X	X (depending on model)			Control panel 1
1B	4.3 in Color touch screen LCD control panel board and button board	2		X (depending on model)			Control panel 1
1C	7 in Control panel button board	1			X		Control panel 1
1D	10.1in Control panel button board	1				X	Control panel 1
2	Fuser card	1	X				Fuser
3	Fuser card	1		X	X	X	Fuser
4	Printhead PCBA	1	X	X	X	X	Electronics 1
5	Polygon PCBA	1	X	X	X	X	Electronics 1
6	Controller board	1	X	X	X	X	Electronics 1
7	Interface cards	1	Optional	Optional	Optional	Optional	Electronics 1
8	HVPS	1	X	X	X	X	Electronics 1
9	Hard drive	1	Optional	Optional	X	X	Electronics 1
10	Fax card	1			X	X	Electronics 1
11	LVPS	1	X	X	X	X	Electronics 2
12	CCD Board	1			X	X	ADF 2
13	ADF motor	1			X	X	ADF 2
14	ADF controller board	1			X	X	ADF 2
15	Flatbed scanner CCDM board within the assembly	1			X	X	Flatbed scanner 2
16	250/550 tray controller board	1	Optional	Optional	Optional	Optional	250 and 550 Sheet Tray Option
17	Controller board	1	Optional	Optional	Optional	Optional	2100 Sheet Tray Option 1
18	Output expander Controller board	1	Optional	Optional			Output expander 1
19	HCOE controller board	1	Optional	Optional			High capacity output expander 1
20	Staple finisher controller board	1	Optional	Optional		Optional	Staple finisher 2
21	Mailbox controller board	1	Optional	Optional		Optional	Mailbox 1
22	Staple, hole punch controller board	1	Optional	Optional		Optional	Staple, hole punch finisher 3
23	SHPF PCBA	1	Optional	Optional		Optional	Staple, hole punch finisher 3
24	Offset stacker controller board	1	Optional	Optional		Optional	Offset stacker 2
Minimum Count (without options) =		7					

Annex C – Electrical and Electronic (EE) Customer Replaceable Paper handling devices

Item	PN	Description	MS72x	MS82x	MX72x	MX82x	Locations
1	50G0800	250-Sheet Tray	X	X	X	X	Paper handling devices
2	50G0801	250-Sheet Tray Insert	X	X	X	X	
3	50G0820	250-Sheet Lockable Tray	X	X	X	X	
4	25B2900	550-Sheet Tray	X	X	X	X	
5	50G0802	550-Sheet Tray	X	X	X	X	
6	50G0803	550-Sheet Tray Insert	X	X	X	X	
7	50G0822	550-Sheet Lockable Tray	X	X	X	X	
8	25B2950	2100-Sheet Tray	X	X	X	X	
9	50G0804	2100-Sheet Tray	X	X	X	X	
10	25B2999	Offset Stacker				X	
11	50G0849	Staple, Hole Punch Finisher	X	X		X	
12	50G0850	Staple Finisher	X	X		X	
13	50G0851	Output Expanderx	X	X			
14	50G0852	4-Bin Mailbox	X	X		X	
15	50G0853	High Capacity Output Expander	X	X			

Annex D – Electrical and Electronic (EE) Customer Replaceable Internal/ External Card Options

Item	PN	Description	MS72x	MS82x	MX72x	MX82x	Locations
1	40C9200	Forms and Bar Code Card	X	X	X	X	Attached to Controller board
2	40C9201	Card for IPDS	X	X	X	X	Attached to Controller board
3	40C9202	PRESCRIBE Card	X	X	X	X	Attached to Controller board
4	57X9812	Font cards	X	X	X	X	Attached to Controller board
5	57X9801	User Flash	X	X	X	X	Attached to Controller board
6	27X0400	SATA Hard Disk Drive			X	X	Attached to Controller board
7	27X0500	USB Hard Disk Drive	X	X			Attached to Controller board
8	57X0204	Memory Expansion (4GB) DDR3	X	X	X	X	Attached to Controller board
9	27X6510	MarkNet N8370 802.11a/b/g/n/ac 2.4/5GHz Wireless	X	X	X	X	External
10	27X6410	Lexmark MarkNet N8372 802.11b/g/n Wireless FSM	X	X	X	X	External
11	57X0185	Security Module	X	X	X	X	Attached to Controller board