



## 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.

The disassembly information for this product has been prepared for use by a recognized treatment or recycling facility and is not intended to be used by others.

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 treatment and recycling facilities.

### 1. Product information

**Model name(s)**—Indicate all model name(s) within the product family

#### Model name

##### **Lexmark MX32x series –**

Lexmark MX321adn, Lexmark MX321adw, Lexmark MB2338adw, Lexmark XM1238

##### **Lexmark MX42x series –**

Lexmark MX421ade, Lexmark MB2422adwe, Lexmark XM1242

##### **Lexmark MX52x series –**

Lexmark MX521de, Lexmark MX521ade, Lexmark MX522adhe, Lexmark MB2546ade, Lexmark XM1246

##### **Lexmark MX62x series –**

Lexmark MX622ade, Lexmark MX622adhe, Lexmark MB2650ade, Lexmark XM3250

*\* Add rows as needed*

## 2. Materials and components list for selective treatment

Items	Quantity	Notes
Polychlorinated biphenyls (PCB) containing capacitors	0	N/A
Mercury containing components, such as switches or backlighting lamps	0	N/A
Batteries	1	Lithium Manganese Dioxide coin cell located on the <a href="#">Controller card</a>
Printed circuit boards greater than 10 cm <sup>2</sup>	multiple	8 – MX32x, MX42x and MX52x Series 7 – MX62x Series  For details, see <a href="#">Annex B</a>  Options: 1 – Hard disk drive 1 – Fax card 1 – 250 Sheet Tray 1 – 550 Sheet Tray 2 – Stapler finisher
Toner cartridges, liquid and pasty, as well as colour toner	2	1 – Toner cartridge 1 – Imaging unit
Plastic containing brominated flame retardants	multiple	17 – MX32x, MX42x and MX52x Series 15 – MX62x Series  Options: +4 for each 250/ 550 Paper handling option +9 for Stapler finisher  For details, See <a href="#">Annex A</a>
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 than 100 cm <sup>2</sup> and those back-lighted with Gas discharge lamps	0	N/A
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 &gt; 25 mm, diameter &gt; 25 mm or proportionately similar volume</i> )	1	Capacitor located on <a href="#">Power Supply</a>
Electrical and Electronic (EE) Customer Replaceable Paper handling devices	multiple	See <a href="#">Customer Replaceable Paper handling devices</a>  For details, See <a href="#">Annex C</a>
Electrical and Electronic (EE) Customer Replaceable Internal/External Card options	multiple	See <a href="#">External Card options</a>  For details, See <a href="#">Annex D</a>

### 3. Disassembly tools

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

### 4. Disassembly references

#### 4.1. Removal procedure(s)

WEEE materials and components removal procedures are available upon request.

Contact: [recycling@lexmark.com](mailto:recycling@lexmark.com)

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

-  *LCD >100 cm<sup>2</sup> are identified with cyan-filled boxes*
-  *PCBs >10 cm<sup>2</sup> are identified with green-filled boxes*
-  *Printer components containing Brominated flame retardants are identified with orange-filled boxes*

**MX32x, MX42x, MX52x, MX62x Series  
Location**

**Supplies**

**Toner Cartridge**



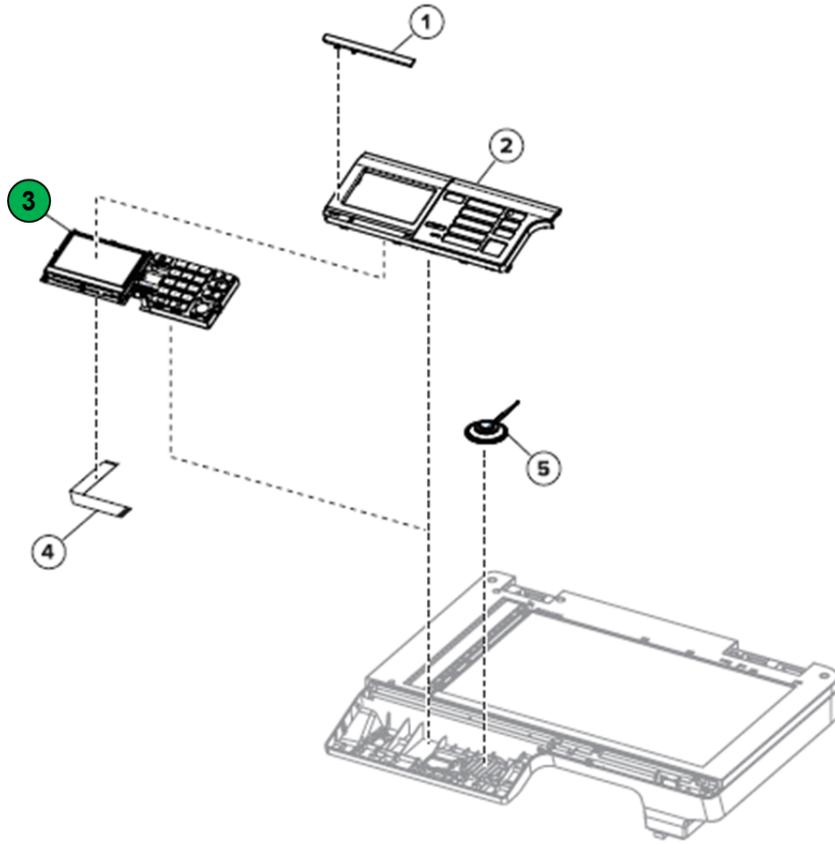
**Imaging Unit**



**MX32x, MX42x, MX52x, MX62x Series  
Location**

**Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components**

**MX32x, MX42x, MX52x Control Panel**

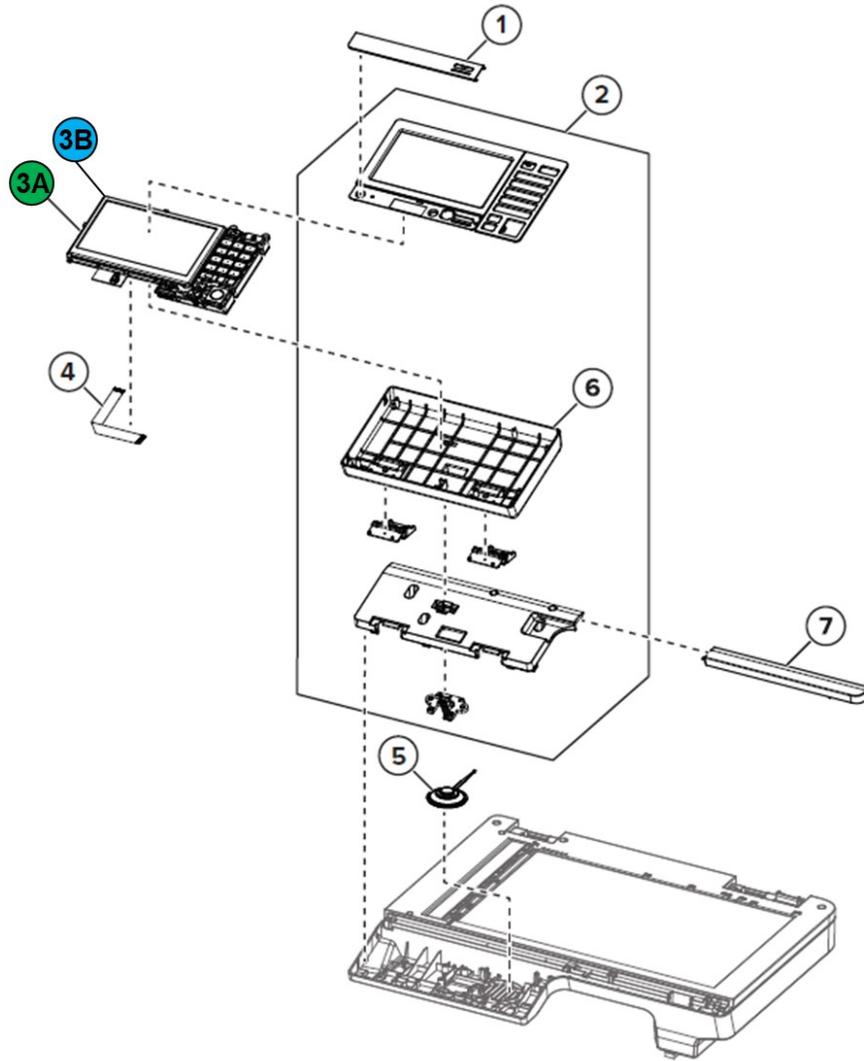


Index	Description
3	Control panel display assembly UICC board

MX32x, MX42x, MX52x, MX62x Series  
Location

Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components

MX62x Control Panel

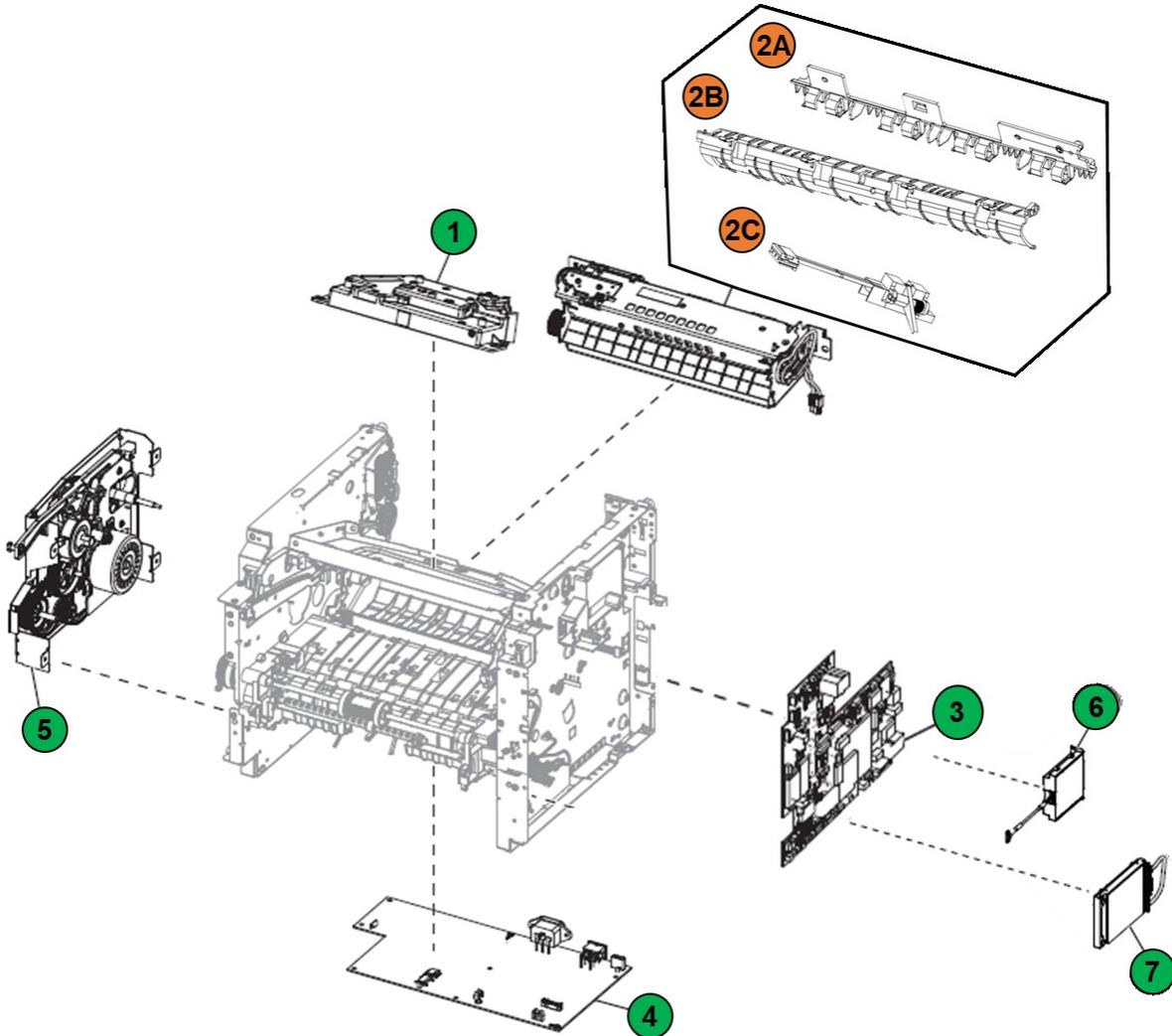


Index	Description
3A	Control panel display UICC card
3B	Control panel display assembly 7-in LCD

**MX32x, MX42x, MX52x, MX62x Series  
Location**

**Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components**

**Electronics 1**

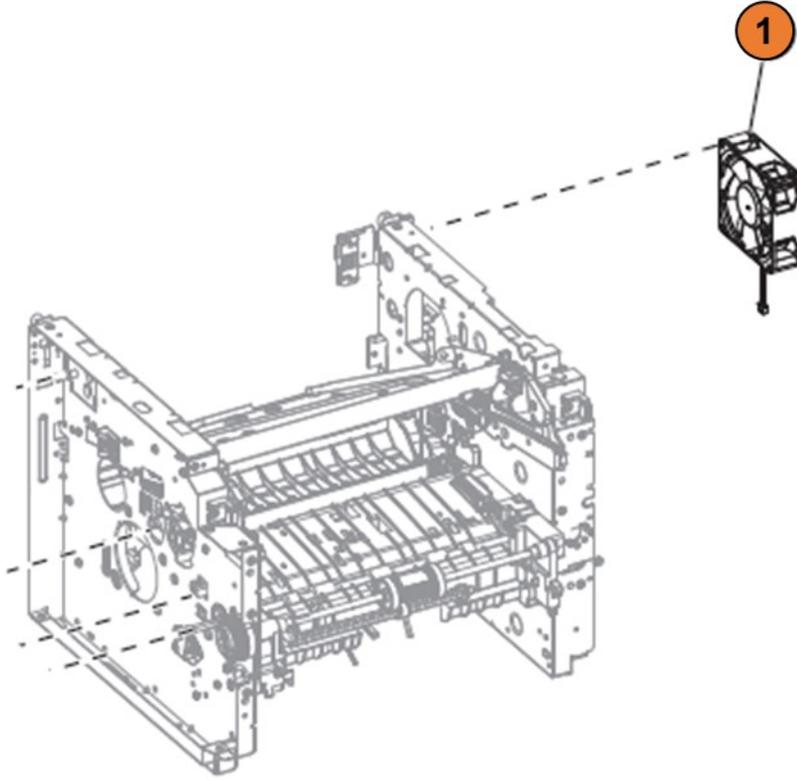


Index	Description
1	Printhead card within the assembly
2A	Fuser – Guide - Lower Exit
2B	Fuser – Guide - Upper Exit
2C	Fuser – Passthru sensor/ Fuser exit sensor
3	Controller board
4	Power supply
5	Main drive gearbox BLDC motor board
6	Fax card
7	Hard disk drive

**MX32x, MX42x, MX52x, MX62x Series  
Location**

**Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components**

**Electronics 2**

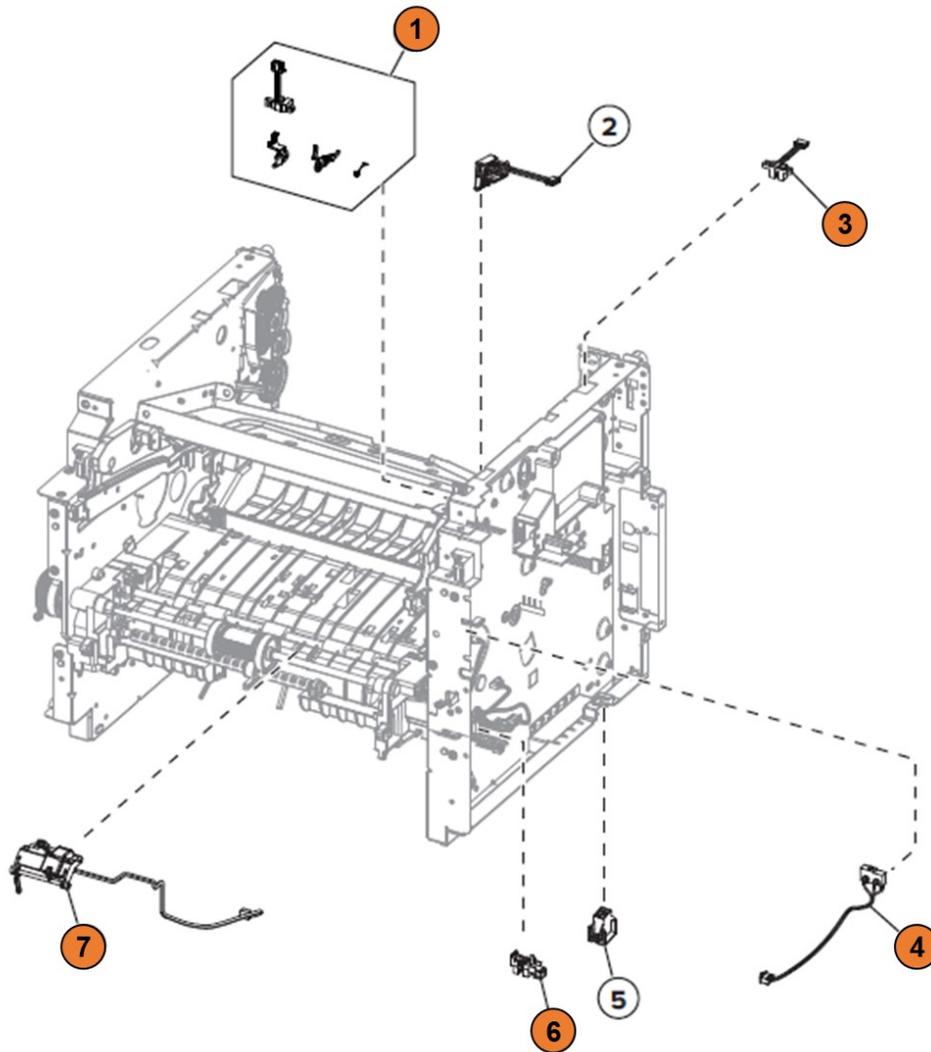


Index	Description
1	Cooling fan

MX32x, MX42x, MX52x, MX62x Series  
Location

Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components

MX32x, MX42x, MX52x Electronics 3

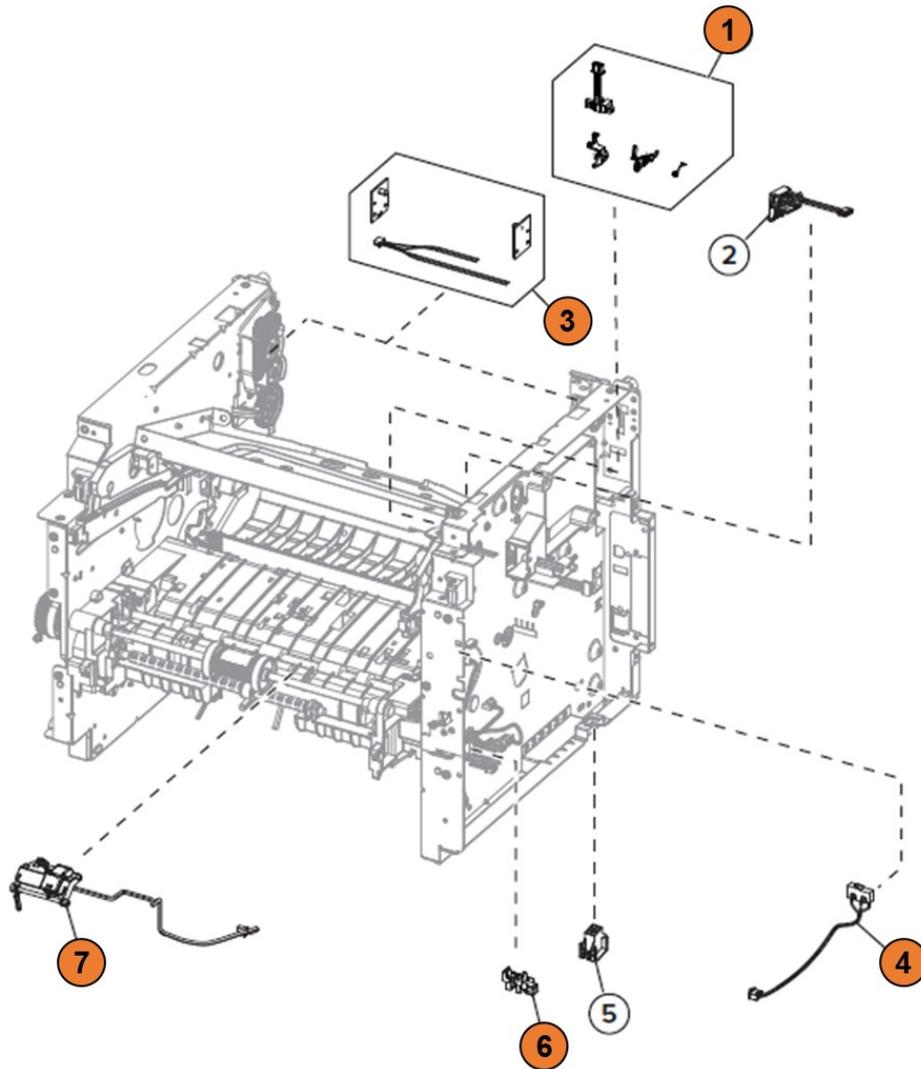


Index	Description
1	Cartridge barrel sensor kit
3	Sensor (bin full)
4	Sensor (front door)
6	Sensor (tray present)
7	Sensor (MPF paper present)

MX32x, MX42x, MX52x, MX62x Series  
Location

Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components

MX62x Electronics 3

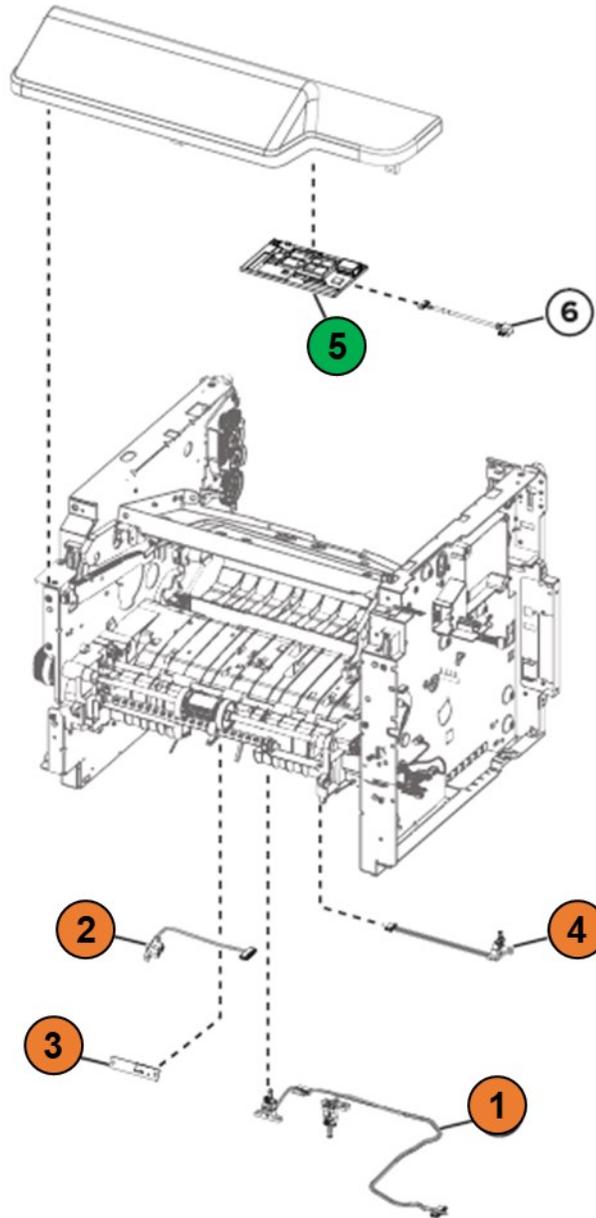


Index	Description
1	Cartridge barrel sensor
3	Sensor (bin full)
4	Sensor (front door)
6	Sensor (tray present)
7	Sensor (MPF paper present)

MX32x, MX42x, MX52x, MX62x Series  
Location

Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components

MX32x, MX42x, MX52x Electronics 4

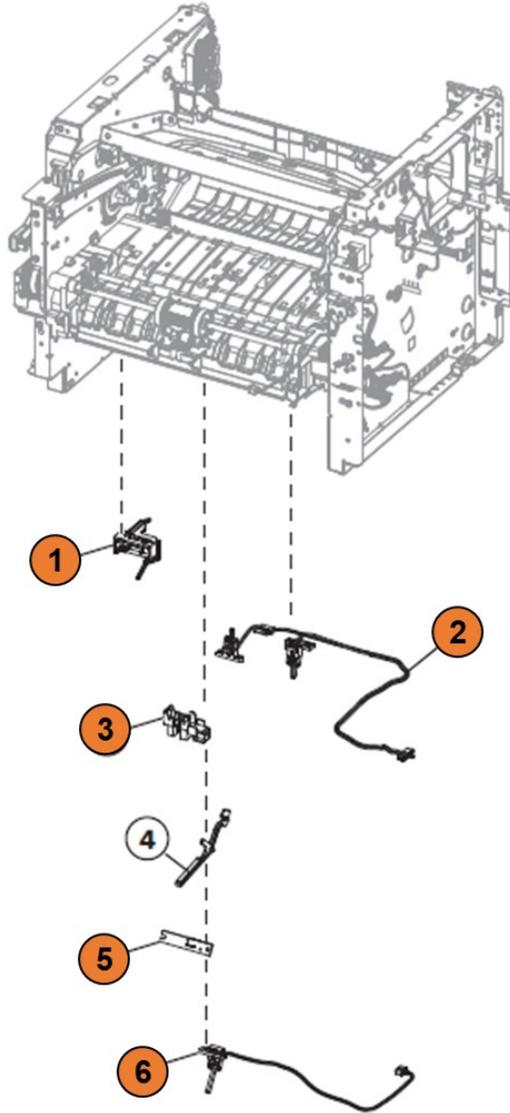


Index	Description
1	Sensor (duplex and input)
2	Sensor (trailing edge)
3	Sensor (toner density)
4	<i>Sensor (narrow media)</i>
5	Wireless module card

MX32x, MX42x, MX52x, MX62x Series  
Location

Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components

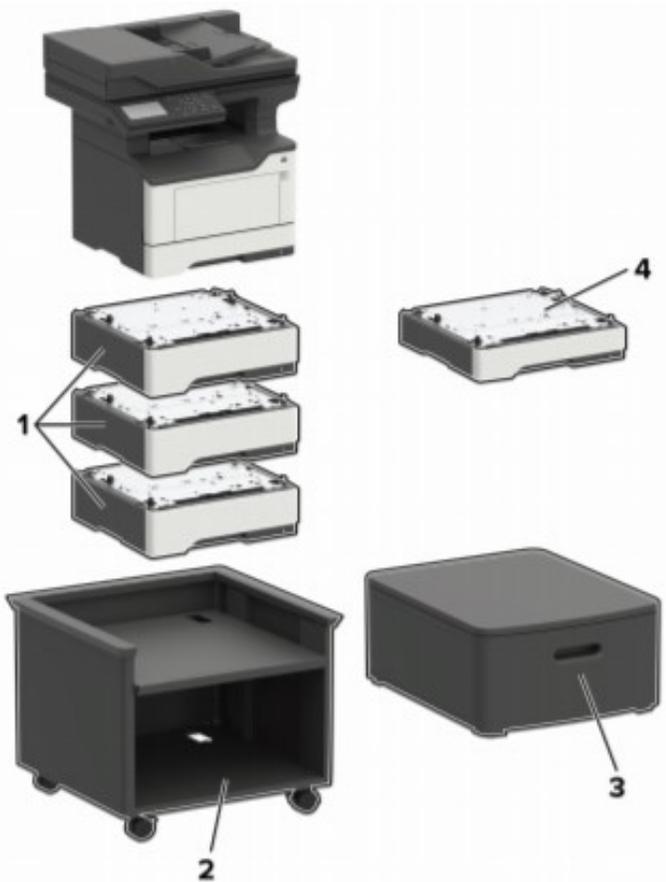
MX62x Electronics 4



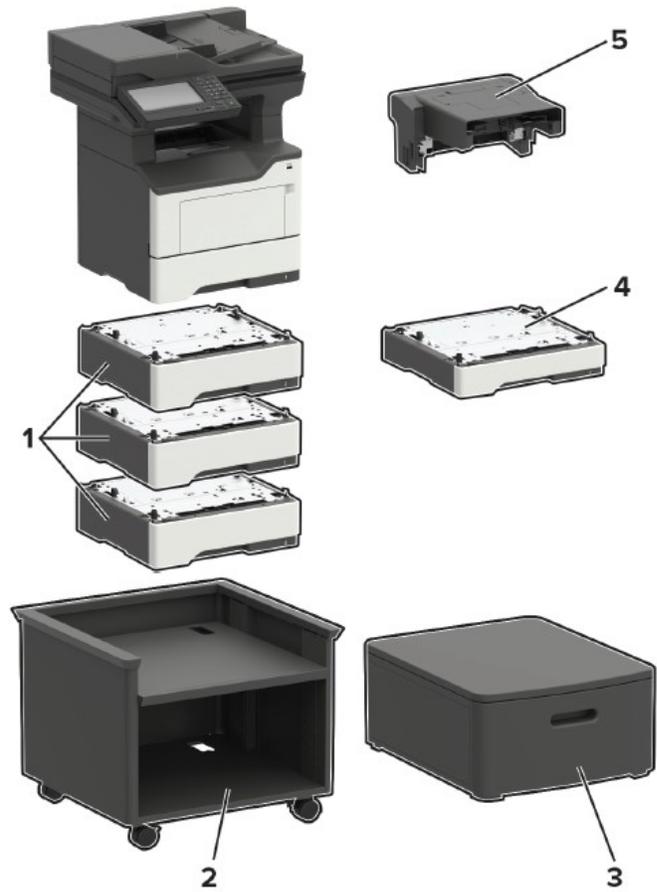
Index	Description
1	Sensor (trailing edge)
2	Sensor (duplex and input)
3	<i>Sensor (paper present)</i>
5	Sensor (toner density)
6	<i>Sensor (index)</i>

**MX32x, MX42x, MX52x, MX62x Series  
Location**

**Customer Replaceable Paper handling devices**



**MX32x/ MX42x/ MX52x**



**MX62x**

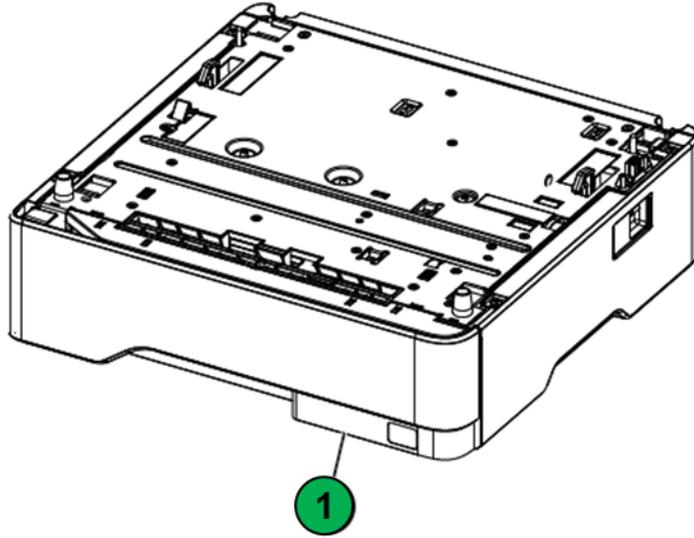
Index	Description
1	550-sheet tray
2	Adjustable printer stand*
3	Swivel cabinet*
4	250-sheet tray
5	In-line staper

Options marked with (\*) are non-Electrical and electronic units

**MX32x, MX42x, MX52x, MX62x Series  
Location**

**Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components**

**250 / 550 Paper Handling Options**

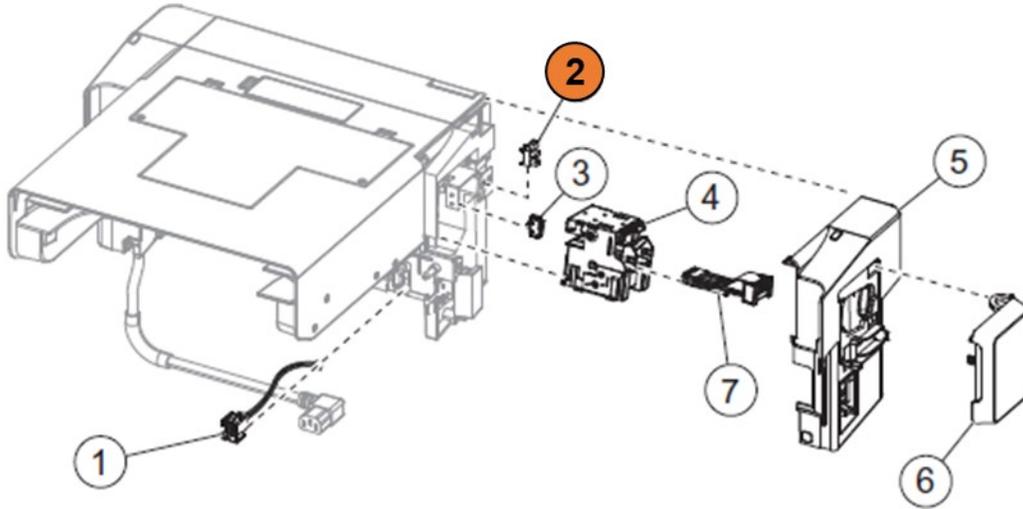


Index	Description
1	PHO card within the assembly

MX32x, MX42x, MX52x, MX62x Series  
Location

Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components

Staple finisher (right)

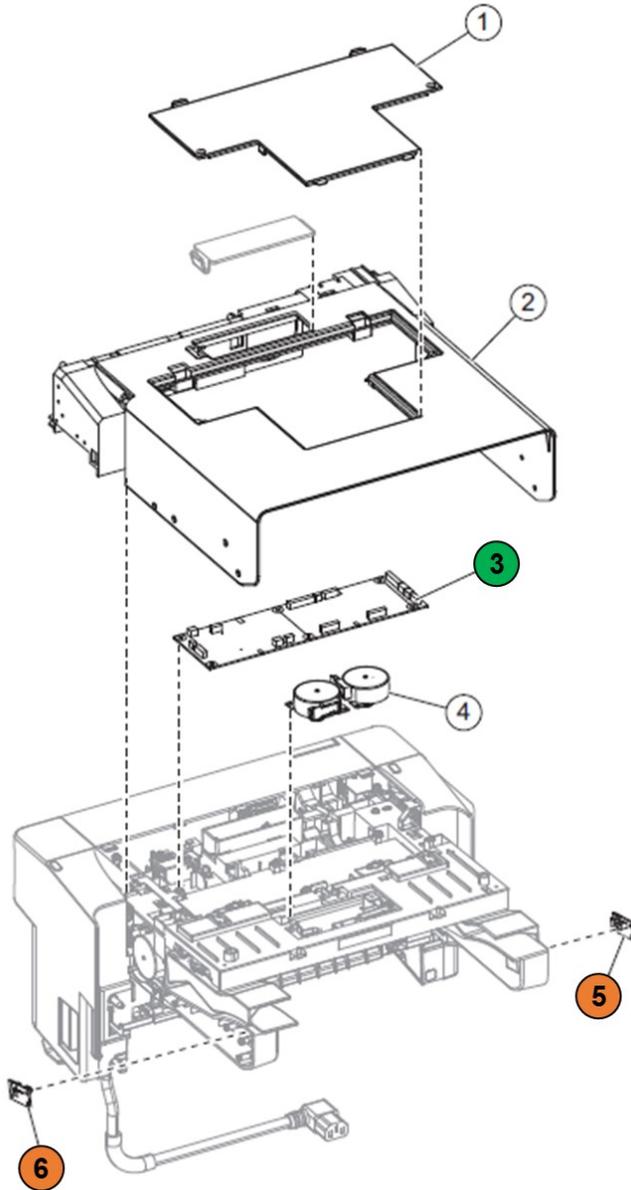


Index	Description
2	Sensor (stapler access door)

MX32x, MX42x, MX52x, MX62x Series  
Location

Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components

Staple finisher (top)

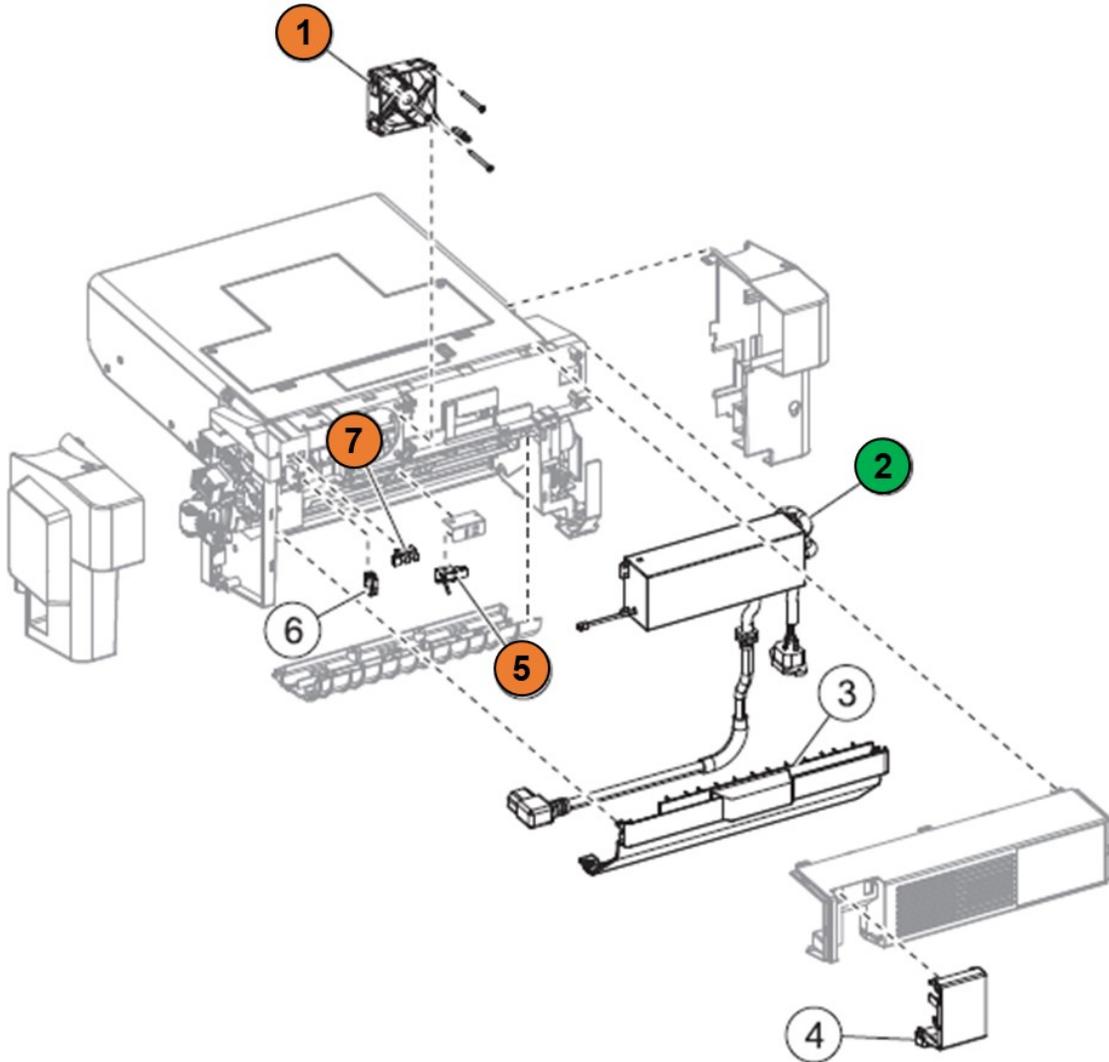


Index	Description
3	Stapler controller board
5	Sensor (stapler bin full send)
6	Sensor (stapler bin full receive)

MX32x, MX42x, MX52x, MX62x Series  
Location

Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components

Staple finisher (rear)

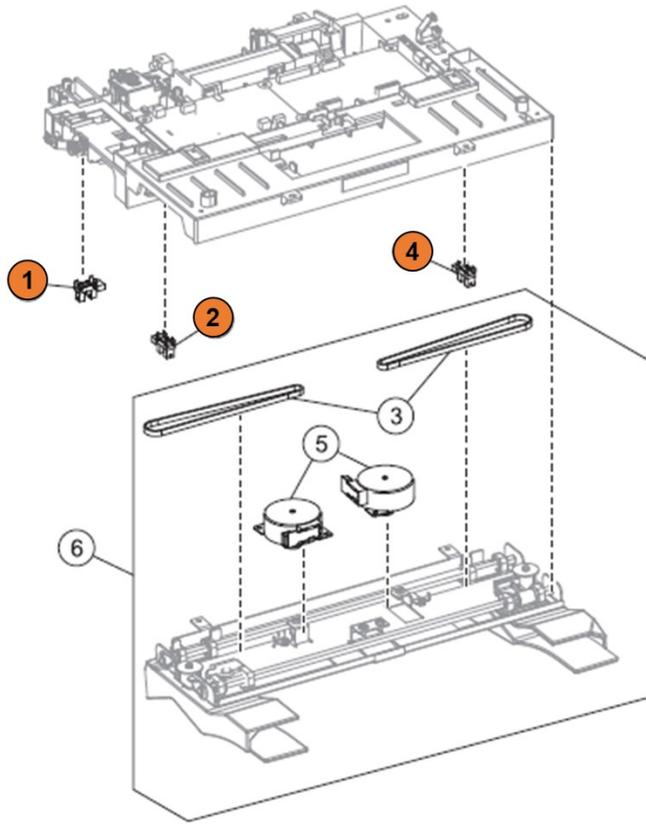


Index	Description
1	Stapler cooling fan
2	Stapler power supply unit
5	Sensor (stapler pass through)
7	Sensor (stapler rear door)

MX32x, MX42x, MX52x, MX62x Series  
Location

Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components

Staple finisher tamper assembly

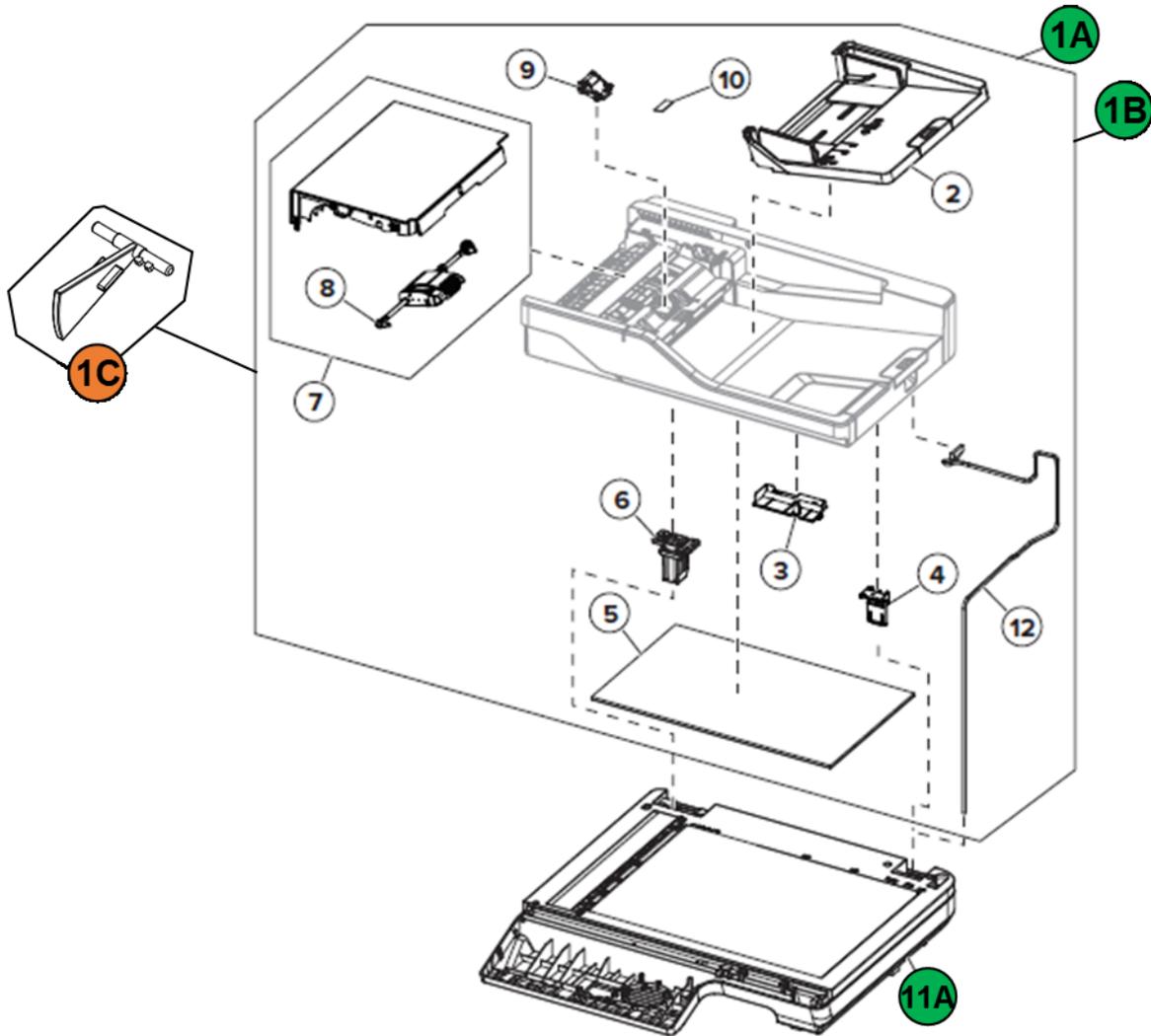


Index	Description
1	Sensor (stapler paddle HP)
2	Sensor (stapler left tamper HP)
5	Sensor (stapler right tamper HP)

MX32x, MX42x, MX52x, MX62x Series  
Location

Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components

MX321, MX421, MX521 Imaging

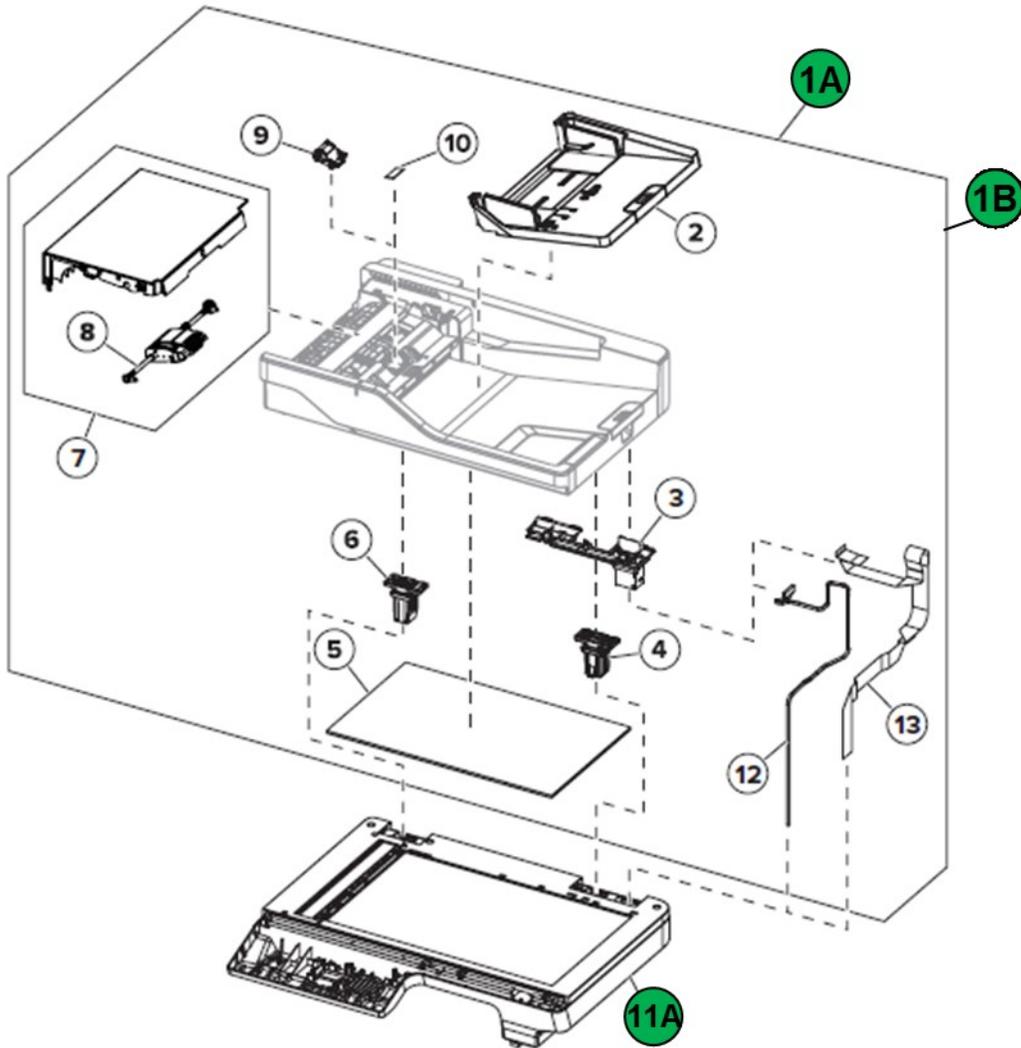


Index	Description
1A	ADF Card within the ADF assembly
1B	Image sensor within the ADF assembly
1C	Paper present sensor flag within the ADF assembly
11A	Image sensor within Flatbed scanner assembly

MX32x, MX42x, MX52x, MX62x Series  
Location

Printed Circuit Boards >10cm<sup>2</sup> and Brominated Plastic Components

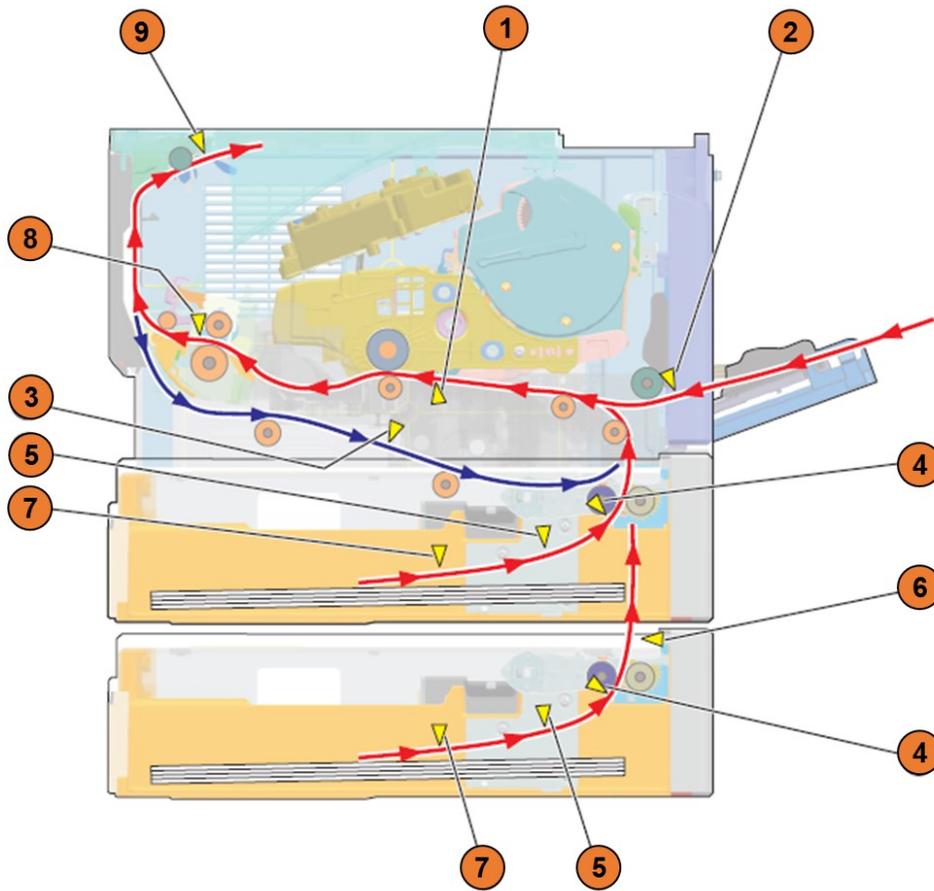
MX522, MX622 Imaging



Index	Description
1A	ADF Card within the ADF assembly
1B	Image sensor within the ADF assembly
11A	Image sensor within Flatbed scanner assembly

**MX32x, MX42x, MX52x, MX62x Series  
Location**

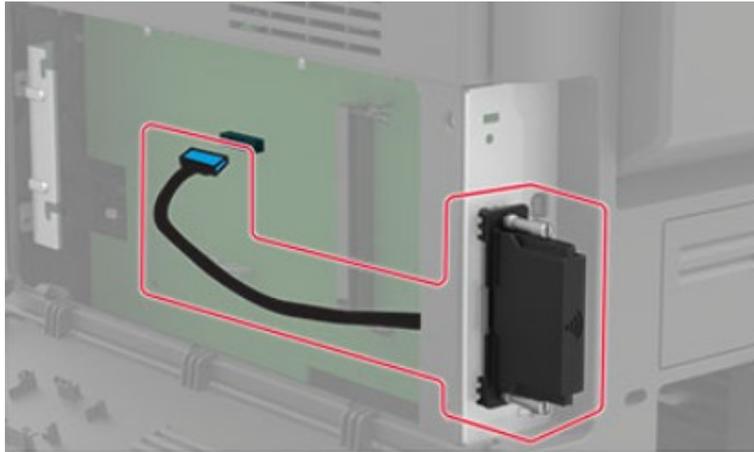
**Sensors**



Index	Description
1	Sensor (input)
2	Sensor (MPF paper present)
3	Sensor (duplex)
4	Sensor (index)
5	Sensor (trailing edge)
6	Sensor (pass-through)
7	Sensor (media present)
8	Sensor (fuser exit)
9	Sensor (narrow media/bin full)

**MX32x, MX42x, MX52x, MX62x Series  
Location**

**Customer Replaceable External Card Options**



**External Print Servers<sup>1</sup>**

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

**MX32x, MX42x, MX52x, MX62x Series  
Location**

**Annex A – Printer components with Brominated Flame Retardants (Page 1 of 2)**

Index	Description	Parts Marking	MX32x, MX42x, MX52x Qty	MX62x Qty	Location
1	Fuser – Guide - Lower Exit	PET-(GF+MD)40 FR(17)	1	1	<a href="#">Fuser</a>
2	Fuser – Guide - Upper Exit	PET-(GF+MD)40 FR(17)	1	1	<a href="#">Fuser</a>
3	Fuser – Passthru sensor/ Fuser exit sensor	N/A	1	1	<a href="#">Fuser</a>
4	Cooling fan	N/A	1	1	<a href="#">Electronics 2</a>
5	Cartridge barrel sensor kit	N/A	1	1	<a href="#">Electronics 3</a>
6	Sensor (bin full)	N/A	1	1	<a href="#">Electronics 3</a>
7	Sensor (front door)	N/A	1	1	<a href="#">Electronics 3</a>
8	Sensor (tray present)	N/A	1	1	<a href="#">Electronics 3</a>
9	Sensor (MPF paper present)	N/A	1	1	<a href="#">Electronics 3</a>
10	Sensor (duplex and input)	N/A	1	1	<a href="#">Electronics 4</a>
11	Sensor (trailing edge)	N/A	1	1	<a href="#">Electronics 4</a>
12	Sensor (toner density)	N/A	1	1	<a href="#">Electronics 4</a>
13	Sensor (narrow media)	N/A	1	0	<a href="#">Electronics 4</a>
14	Sensor (paper present)	N/A	1	1	<a href="#">Electronics 4</a>

**MX32x, MX42x, MX52x, MX62x Series  
Location**

**Annex A – Printer components with Brominated Flame Retardants (Page 2 of 2)**

Index	Description	Parts Marking	MX32x, MX42x, MX52x Qty	MX62x Qty	Location
15	Sensor (index)	N/A	1	1	<a href="#">Electronics 4</a>
16	Sensor (pass through)	N/A	1	1	<a href="#">Sensors</a>
17	Sensor (stapler access door)	N/A	0	1	<a href="#">Staple finisher (right)</a>
18	Sensor (stapler bin full send)	N/A	0	1	<a href="#">Staple finisher (top)</a>
19	Sensor (stapler bin full receive)	N/A	0	1	<a href="#">Staple finisher (top)</a>
20	Stapler cooling fan	N/A	0	1	<a href="#">Staple finisher (rear)</a>
21	Sensor (stapler pass through)	N/A	0	1	<a href="#">Staple finisher (rear)</a>
22	Sensor (stapler rear door)	N/A	0	1	<a href="#">Staple finisher (rear)</a>
23	Sensor (stapler paddle HP)	N/A	0	1	<a href="#">Staple finisher tamper assembly</a>
24	Sensor (stapler left tamper HP)	N/A	0	1	<a href="#">Staple finisher tamper assembly</a>
25	Sensor (stapler right tamper HP)	N/A	0	1	<a href="#">Staple finisher tamper assembly</a>
26	Paper present sensor flag	N/A	0	1	<a href="#">Imaging</a>

**MX32x, MX42x, MX52x, MX62x Series  
Location**

**Annex B – Printed Circuit Boards >10cm<sup>2</sup>**

Index	Description	Quantity	Location	MX32x, MX42x, MX52x	MX62x
1	Control panel display assembly UICC board	1	<a href="#">Control panel</a>	X	X
2	Printhead card	1	<a href="#">Printhead assembly</a>	X	
3	Controller board	1	<a href="#">Electronics 1</a>	X	X
4	Power supply	1	<a href="#">Electronics 1</a>	X	X
5	Main drive gearbox BLDC motor board	1	<a href="#">Electronics 1</a>	X	X
6	Hard disk drive (HDD)	1	<a href="#">Electronics 1</a>	X	X
7	Fax card	1	<a href="#">Electronics 1</a>	X	X
8	Wireless module card	1	<a href="#">Electronics 4</a>	X	
9	PHO card within the assembly	1	<a href="#">250 / 550 Paper Handling Options</a>	X	X
10	Stapler controller board	1	<a href="#">Staple finisher (top)</a>		X
11	Stapler power supply unit	1	<a href="#">Staple finisher (rear)</a>		X
12	ADF Card within the ADF assembly	1	<a href="#">Imaging</a>	X	X
13	Image sensor within the ADF assembly	1	<a href="#">Imaging</a>	X	X
14	Image sensor within Flatbed scanner assembly	1	<a href="#">Imaging</a>	X	X

**MX32x, MX42x, MX52x, MX62x Series  
Location**

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

Index	PN	Description	Locations	Models
1	36S3110	550-sheet tray	<a href="#">Paper handling devices</a>	All models
2	36S3120	550-sheet lockable tray		
3	36S2910	250-sheet tray		
4	36S3110	550-sheet tray		
5	36S8010	MX62x In-line stapler		MX62x

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

Index	PN	Description	Locations	Models
1	57X9801	Memory options	Attached to <a href="#">Controller board</a>	All models
2	57X0185	Security card		MX421 and above
3	40C9200 40C9201 40C9202	Firmware cards (Forms and Bar code, Prescribe, IPDS)		MX421 and above
4	57X9810 57X9812 57X9814 57X9815	Font cards		All models
5	27X0900 27X0901 27X0912	Interface cards		MX52x and above
6	27X6410 27X6510	Print Server	<a href="#">External option</a>	MX421 and above