



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 MS71x series –

Lexmark MS710dn, Lexmark MS711dn

Lexmark MS81x series –

Lexmark MS810n, Lexmark MS810dn, Lexmark MS810dtn, Lexmark MS810de, Lexmark MS817n, Lexmark MS817dn, Lexmark MS818dn Lexmark M5155, Lexmark M5163, Lexmark MS811n, Lexmark M5163dn, Lexmark MS811dn, Lexmark MS812dn, Lexmark MS812de, Lexmark M5170

Lexmark MX71x series –

Lexmark MX710de 3, Lexmark MX717de, Lexmark XM5163, Lexmark XM5263, Lexmark MX710de 4, Lexmark MX710dhe 4, Lexmark MX711de 3, Lexmark MX718de, Lexmark XM5170, Lexmark XM5270, Lexmark MX711de 4, Lexmark MX711dhe 4

Lexmark MX81x series –

Lexmark MX810de, Lexmark XM7155, Lexmark MX811de, Lexmark XM7163, Lexmark XM7263, Lexmark MX812de, Lexmark XM7170, XM7270

** 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 Controller board
Printed circuit boards greater than 10 cm ²	multiple	6 – MS71x and MS81x series 11 – MX71x and MX81x series See details in Annex D 1-for each Paper handling options See details in Annex E Other options: 1-Fax, 1-Hard disk drive (HDD)
Toner cartridges, liquid and pasty, as well as colour toner	2	1 – Toner cartridge 1 – Imaging Unit
Plastic containing brominated flame retardants	multiple	20 – MS71x and MS81x series 35 – MX71x and MX81x series Paper handling options: 5 – 250 Tray, 5 – 550 Tray, 3 – High capacity input tray, 4 – Output Expander, 5 – High Capacity Output Expander, 13 – Staple finisher, 4 – Mailbox, 10 – Staple, hole punch finisher, 11 – Offset stacker See details in Annex A, B and C
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 ² and those back-lighted with Gas discharge lamps	1	MS812de LCD located inside OP panel
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>)	4	Capacitor(s) located on Power Supply, LVPS (universal)
Electrical and Electronic (EE) Customer Replaceable devices	multiple	See details in Annex F
Electrical and Electronic (EE) Customer Replaceable Internal/External Card options	multiple	See details in Annex G

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

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

See next page

1

LCD >100 cm² are identified with cyan-filled boxes

2

PCBs >10 cm² are identified with green-filled boxes

3

Printer components containing Brominated flame retardants are identified with orange-filled boxes

**MS71x, MS81x, MX71x, MX81x Series
Location**

Toner Cartridge and Imaging Unit



MS Series



MX Series



MS Series

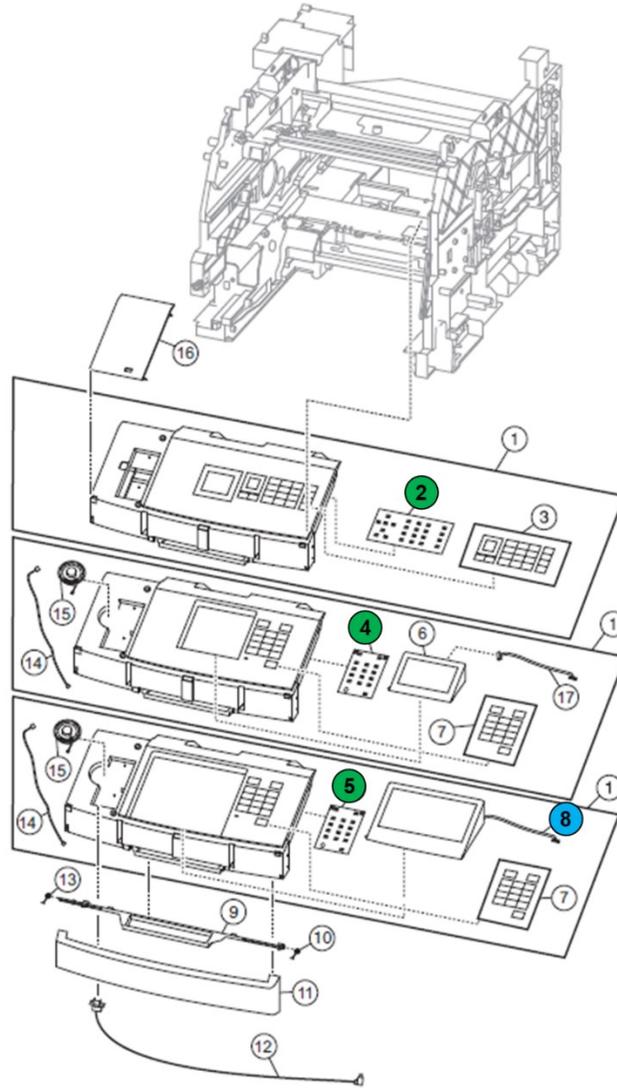


MX Series

**MS71x and MS81xSeries
Location**

Printed Circuit Boards >10cm2 and LCD > 100cm2

Control Panel for MS series

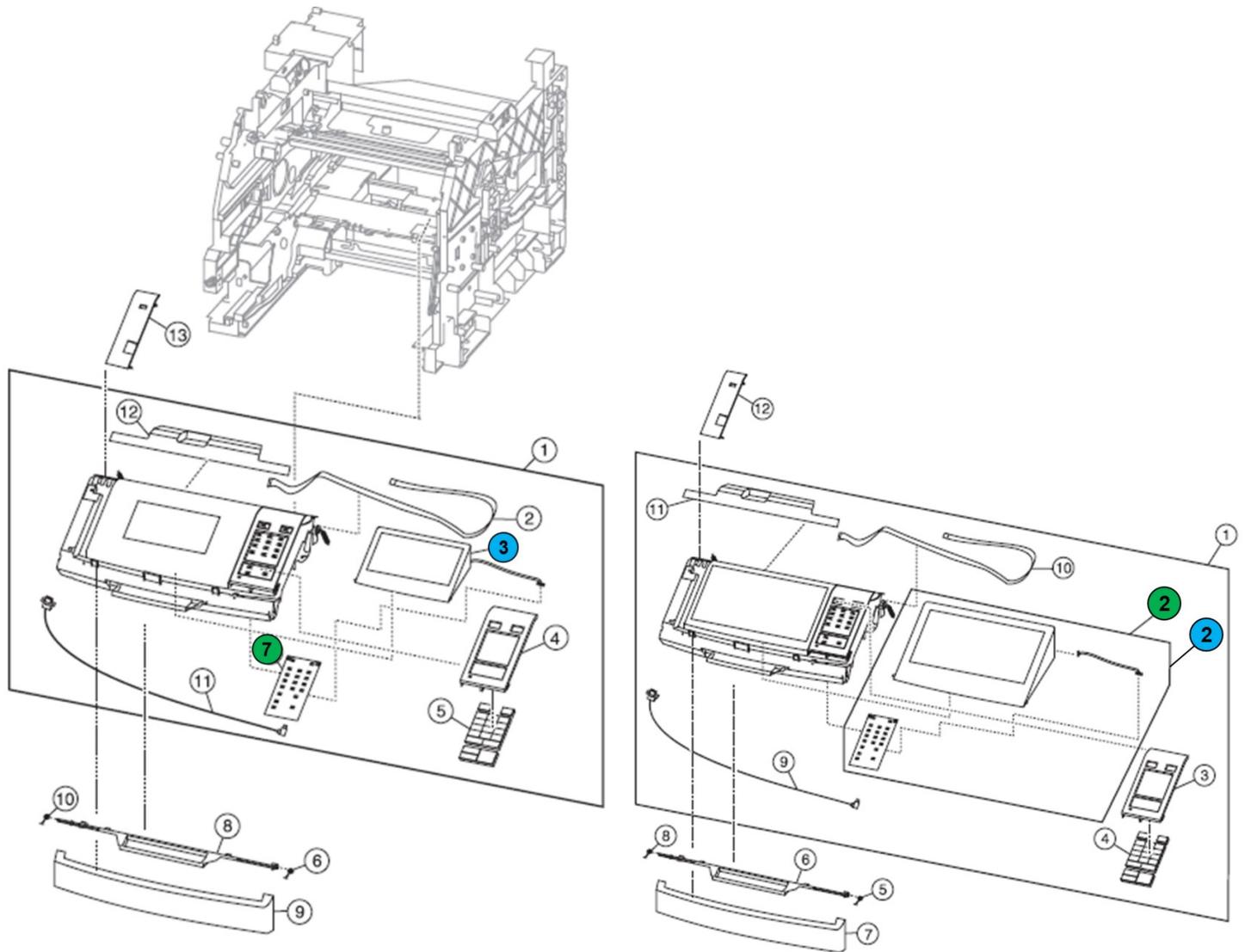


Index	Description
2	Control panel board (2.4" display only)
4	Control panel board (4.3" tilting display only)
5	Control panel board (7" tilting display only)
8	7" tilting display LCD within the assembly

**MX71x and MX81x Series
Location**

Printed Circuit Boards >10cm2 and LCD > 100cm2

Control Panel for MX series

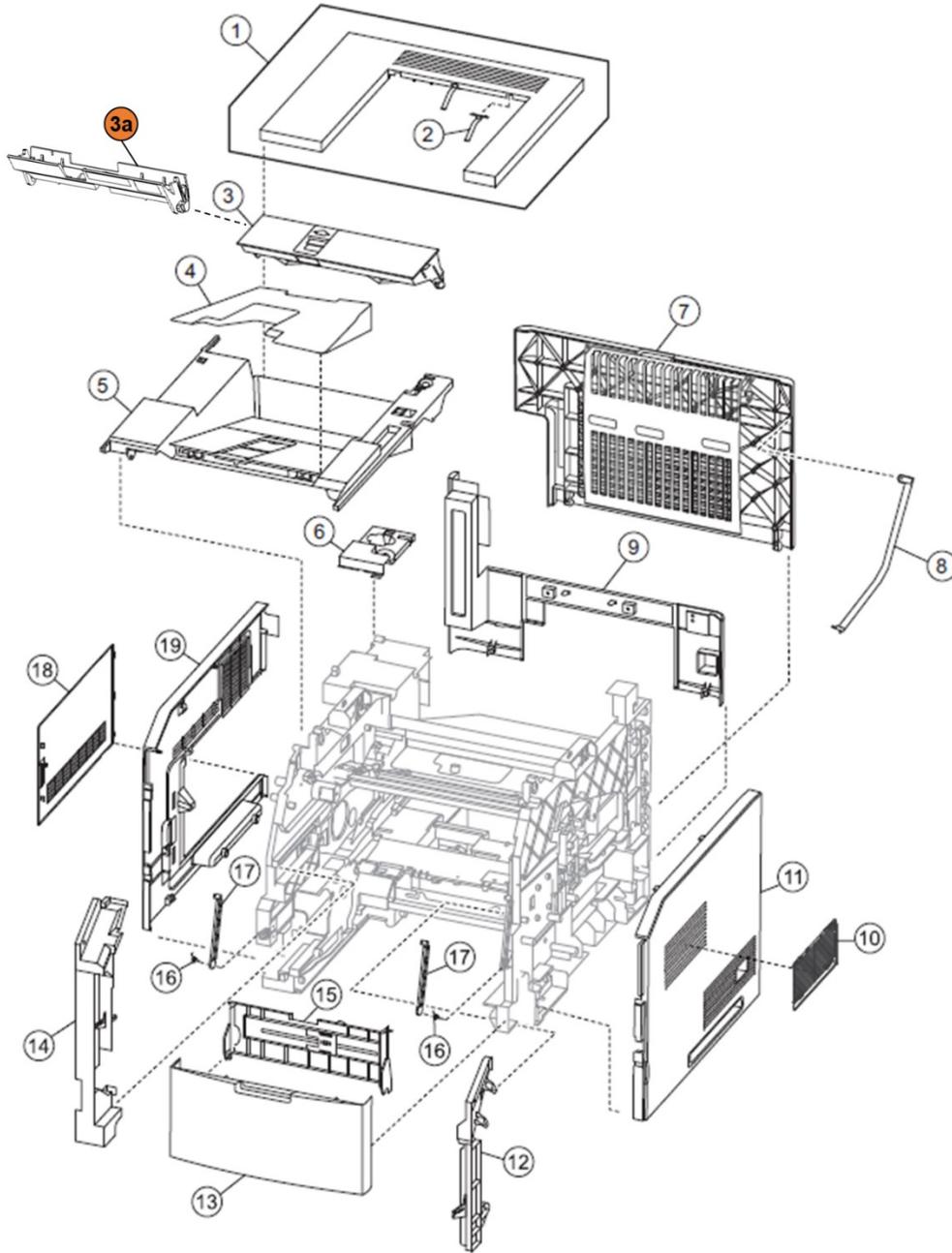


Index	Description
3	Tilting 7-inch display LCD within the assembly
7	7-inch Control panel board
2	10.1-inch Control panel board within the assembly
2	10.1-inch Control panel display LCD within the assembly

**MS71x, MS81x Series
Location**

Printer Printed Circuit Boards >10cm² and Brominated Plastic Components

Covers

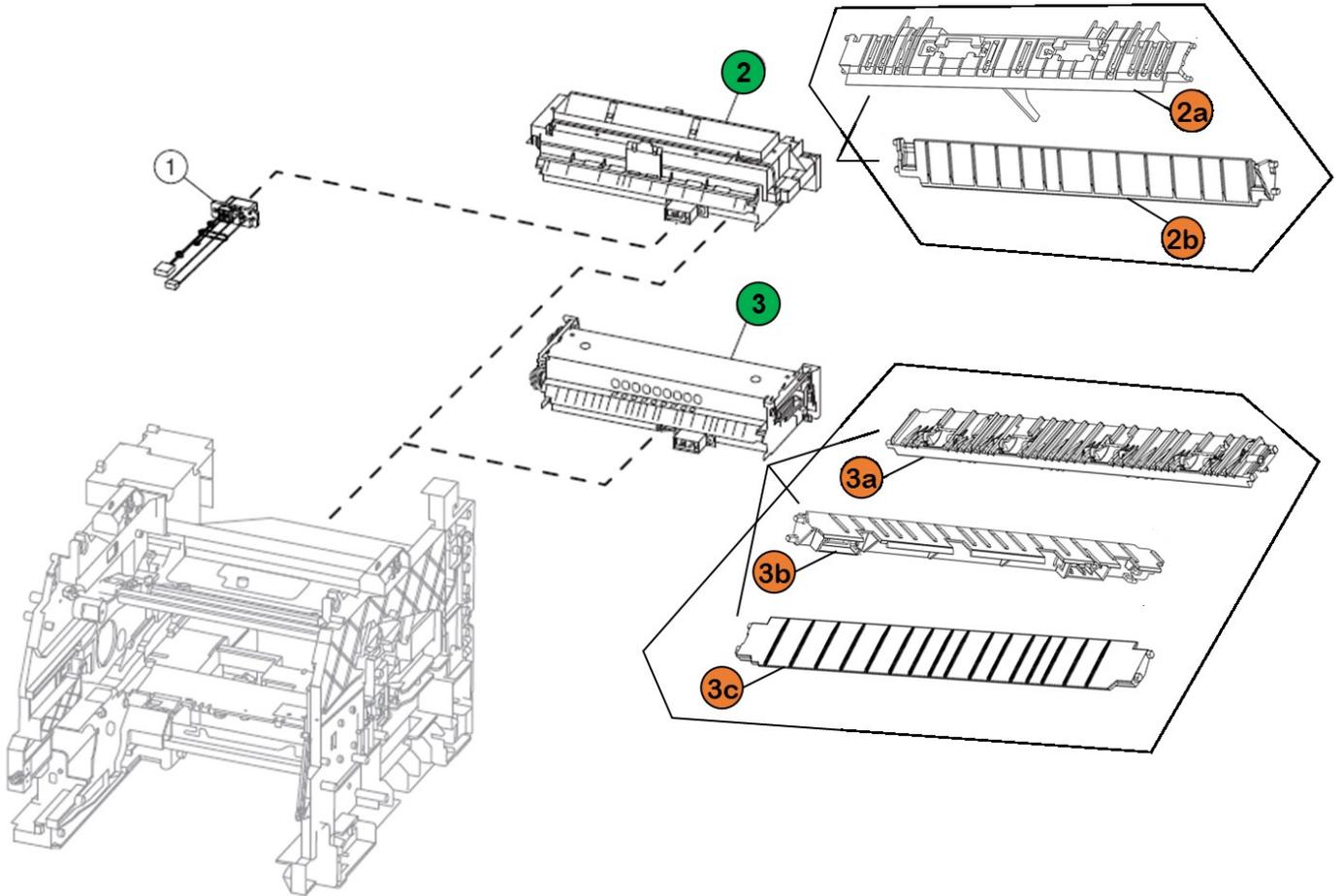


Index	Description
3a	40G7743-BASE-FUSER WIPER HR

MS71x, MS81x, MX71x, MX81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

Fuser

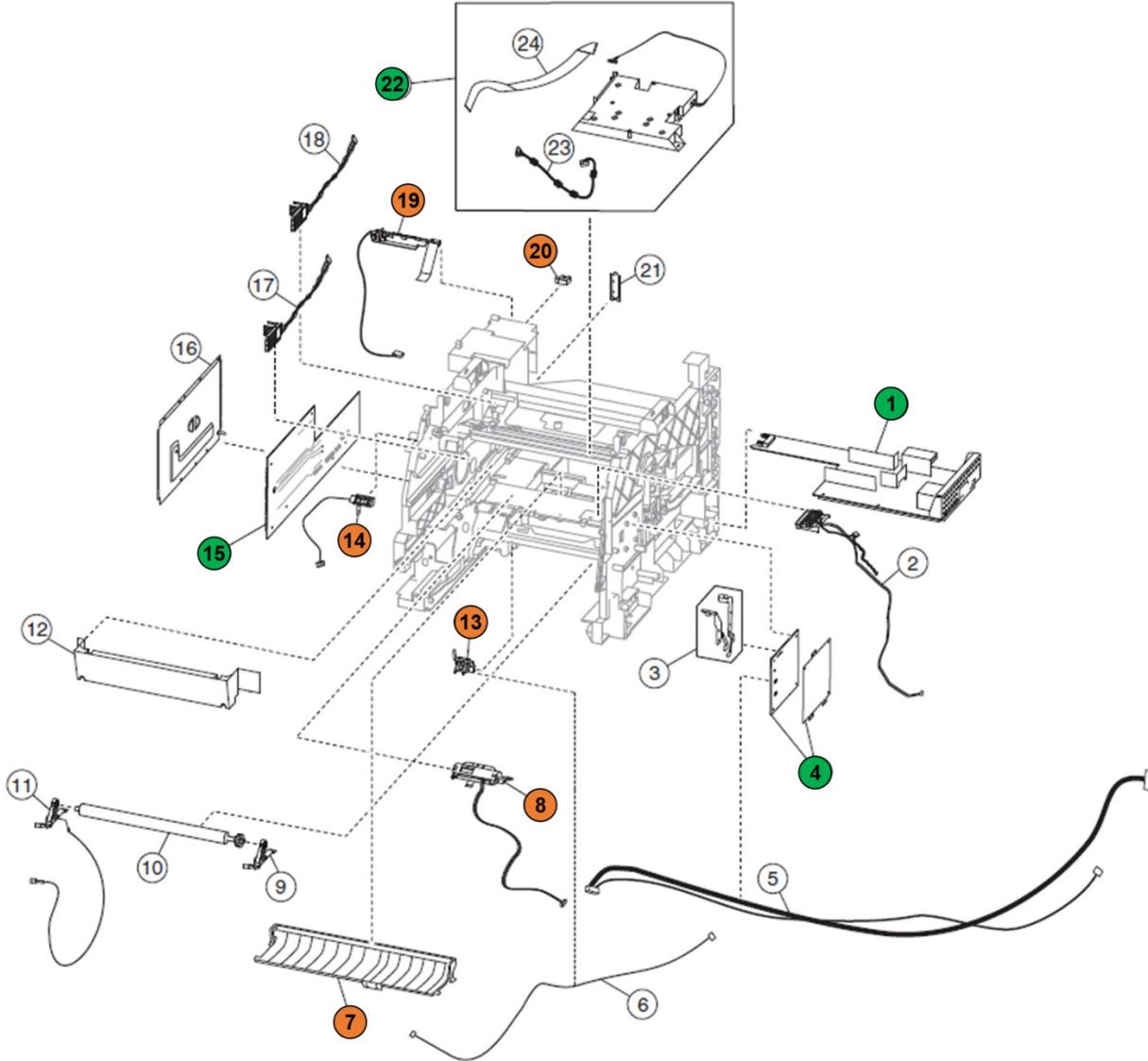


Index	Description
2	Hot roll fuser card within the assembly
2a	50G8521-Lower Exit
2b	50G8570-Entry
3	Belt fuser card within the assembly
3a	50G4018-LOWER EXIT - FUSER
3b	50G4021-UPPER EXIT - FUSER
3c	40G4044-INPUT - LOWER - FUSER

**MS71x, MS81x, MX71x, MX81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

Electronics



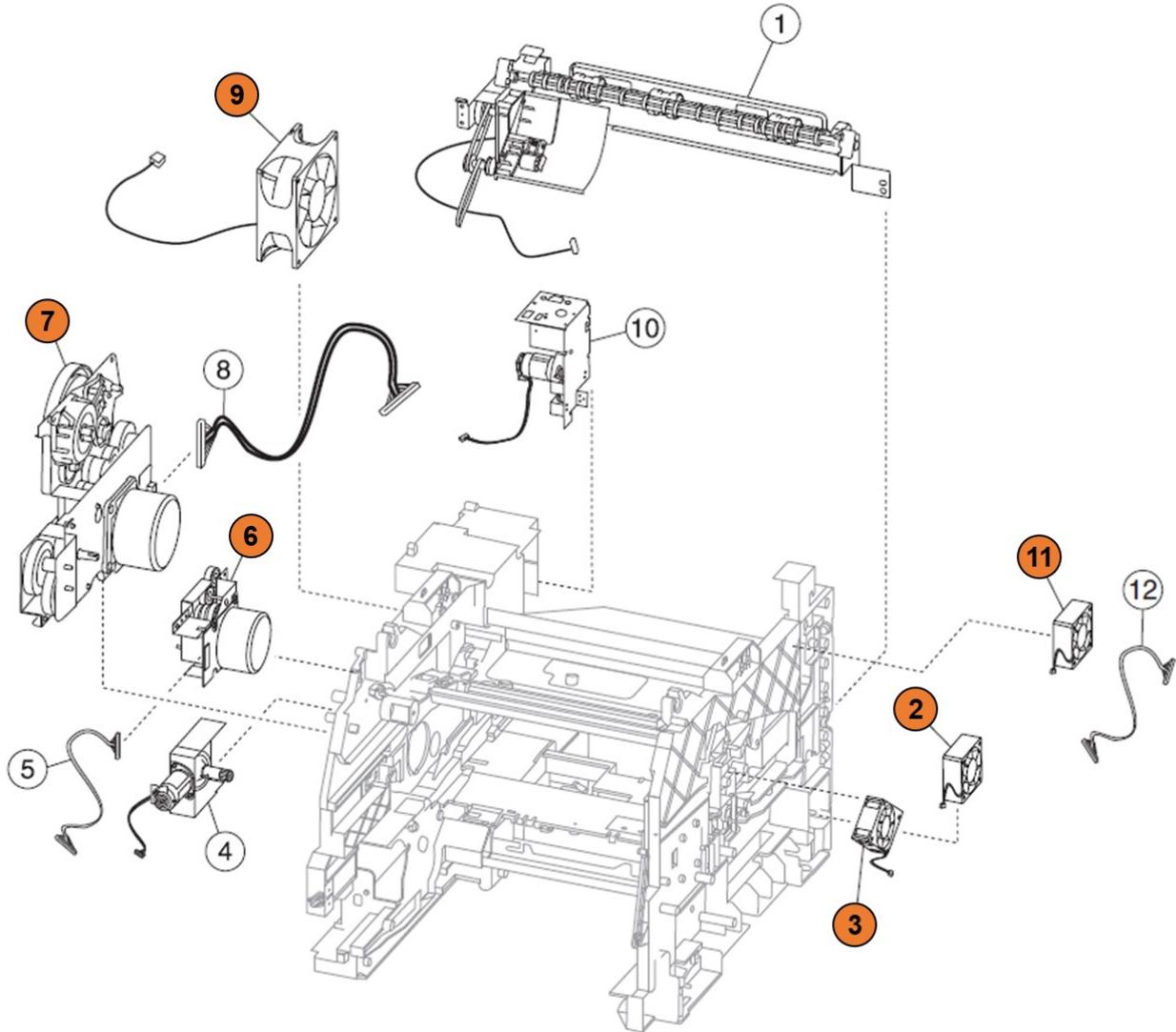
Index	Description
1	LVPS (universal)
4	HVPS
7	40G6140-PLATE: TRANSFER
8	Sensor (toner density)
13	Sensor (input)

Index	Description
14	Sensor (control panel interlock)
15	Controller board
19	Sensor (standard bin full)
20	Interrupt sensor
22	Laser printhead card within the assembly

**MS71x, MS81x, MX71x, MX81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

Drive Motors

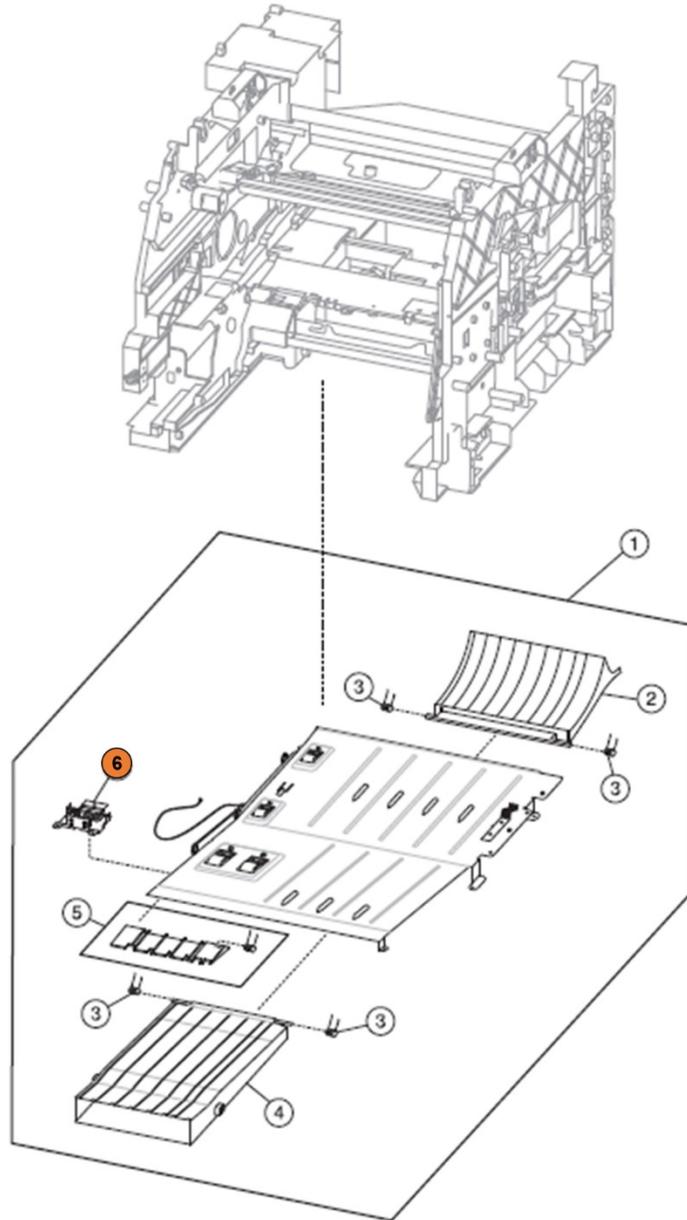


Index	Description
2	Duplex cooling fan
3	Cartridge cooling fan
6	Fuser drive motor
7	Main drive motor
9	Main cooling fan with cable
11	Fuser cooling fan

MS71x, MS81x, MX71x, MX81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

Duplex

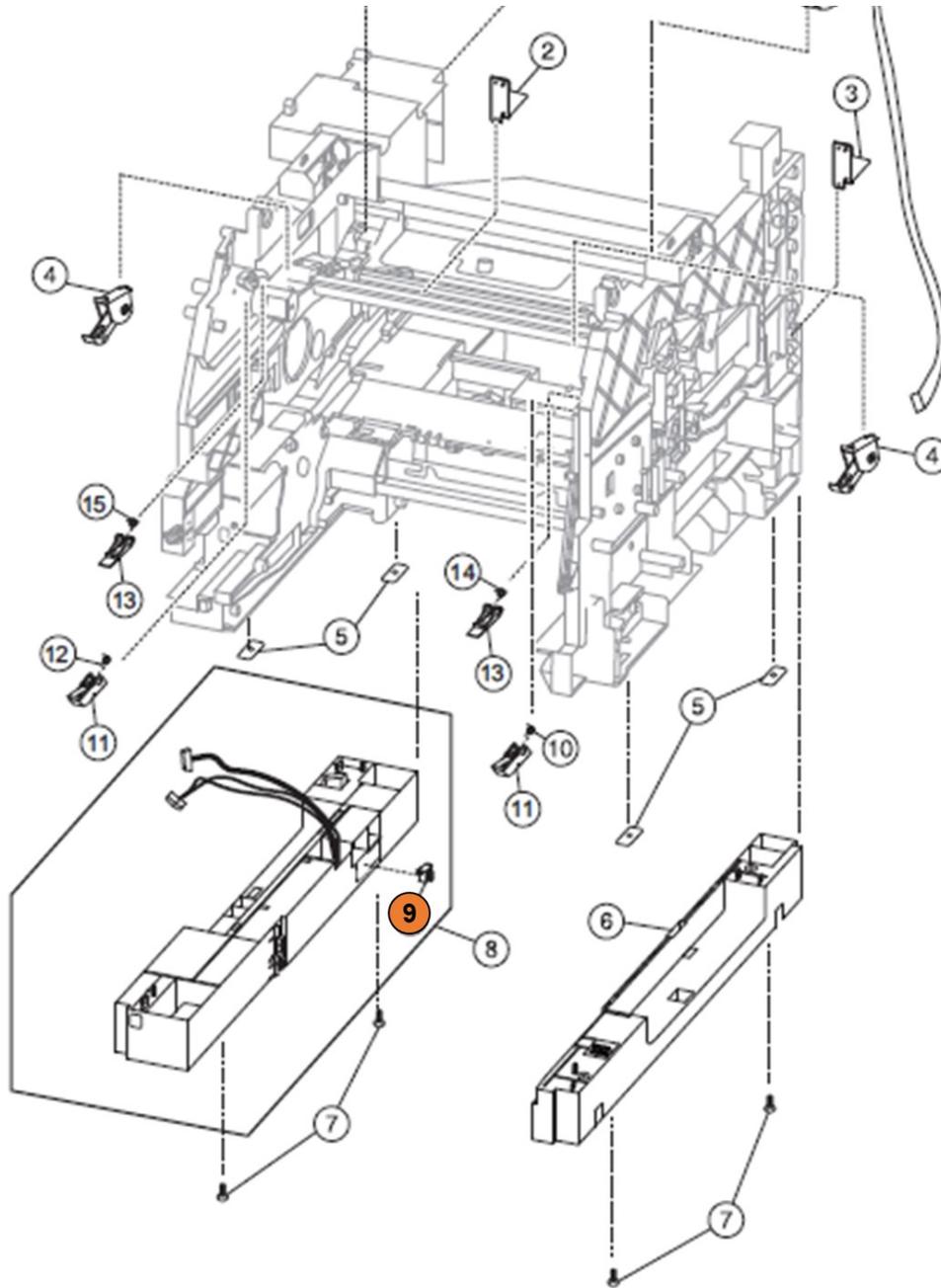


Index	Description
6	Sensor (duplex path)

MS71x, MS81x, MX71x, MX81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

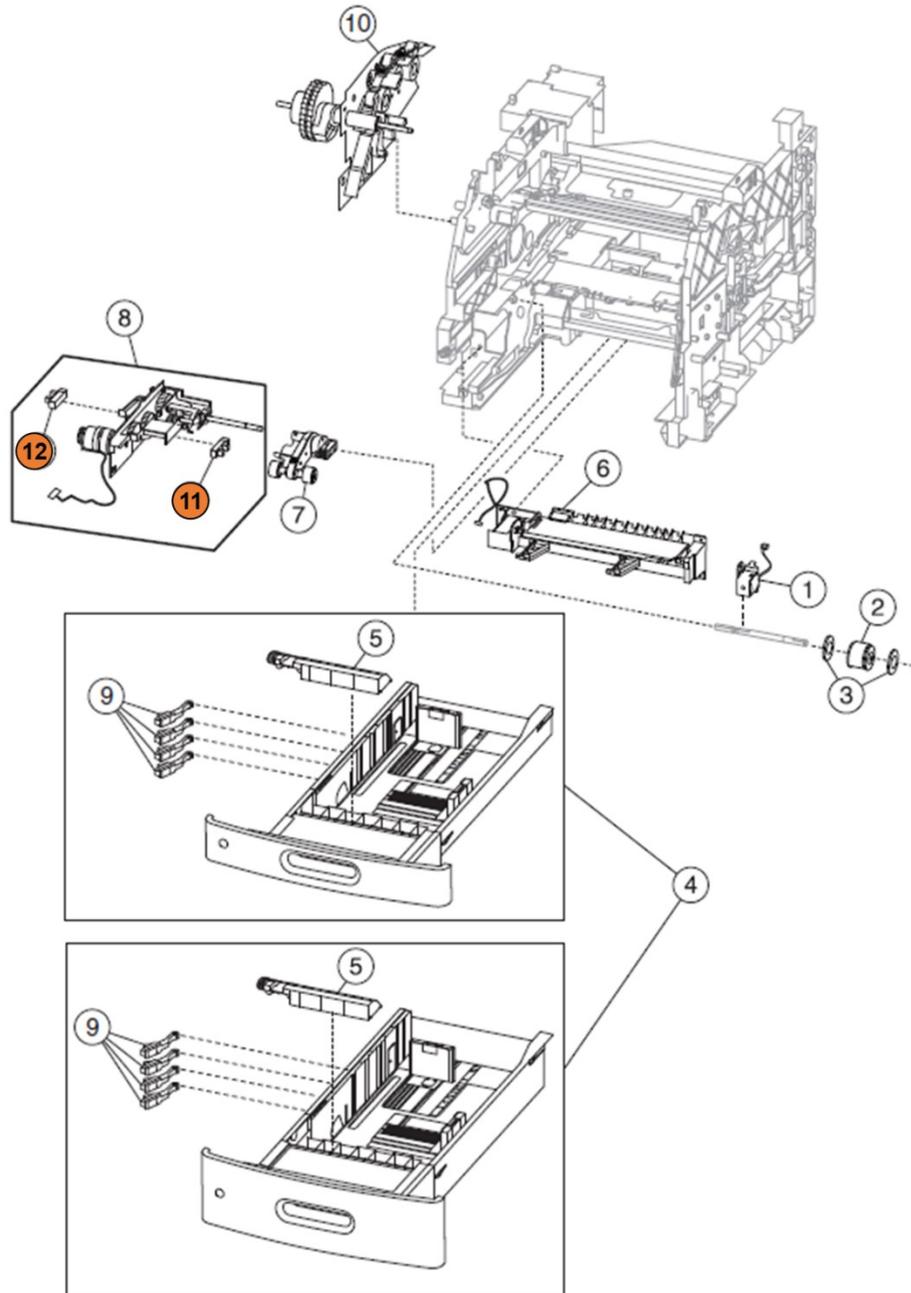
Frame



Index	Description
9	Sensor (media size)

**MX71x, MX81x Series
Location**

Paper Tray

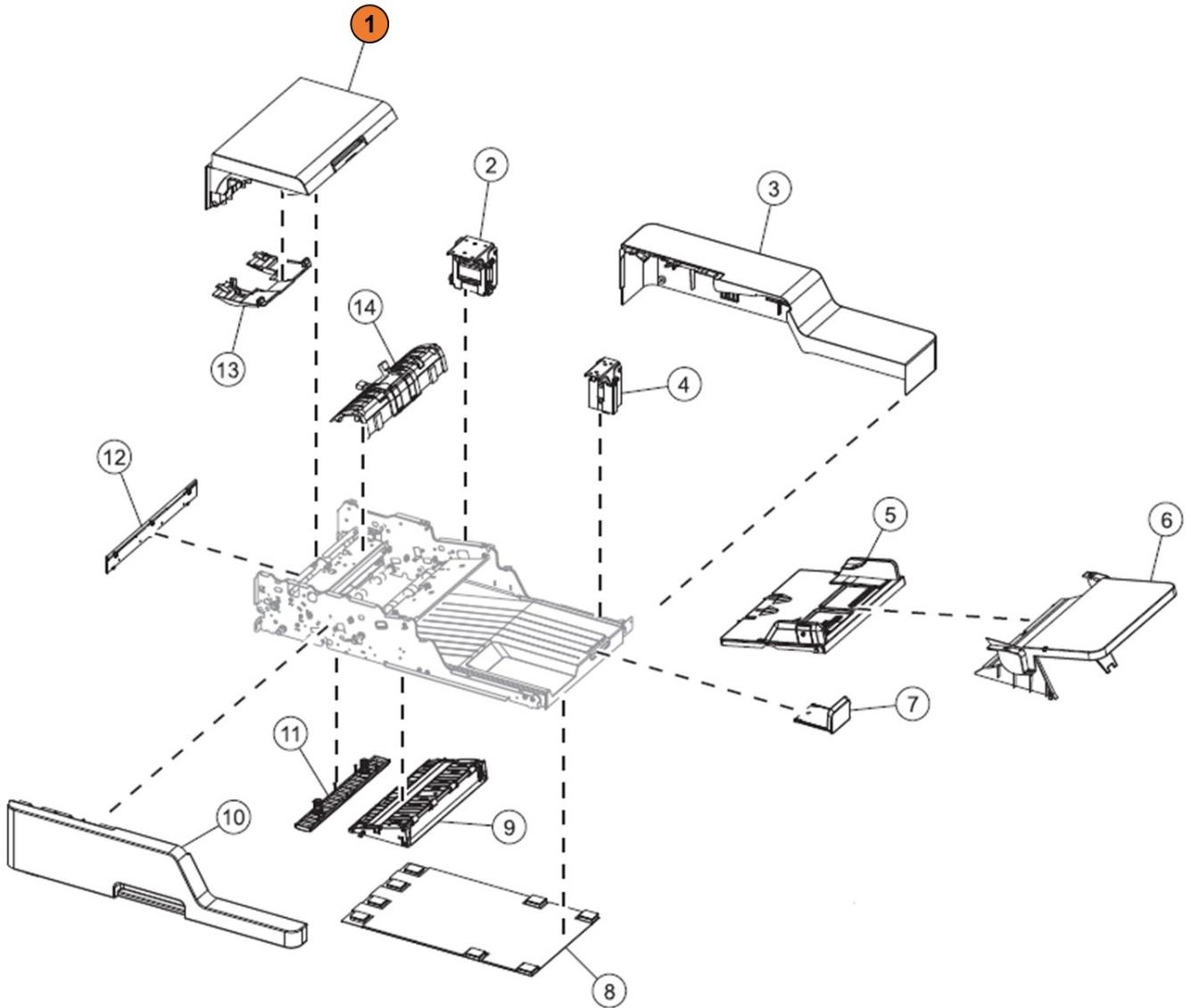


Index	Description
11	Interrupt sensor (pick roller position)
12	Interrupt sensor (media empty)

MS71x, MS81x, MX71x, MX81x Series
Location

ADF & Scanner Printed Circuit Boards >10cm² and Brominated Plastic Components

ADF Covers

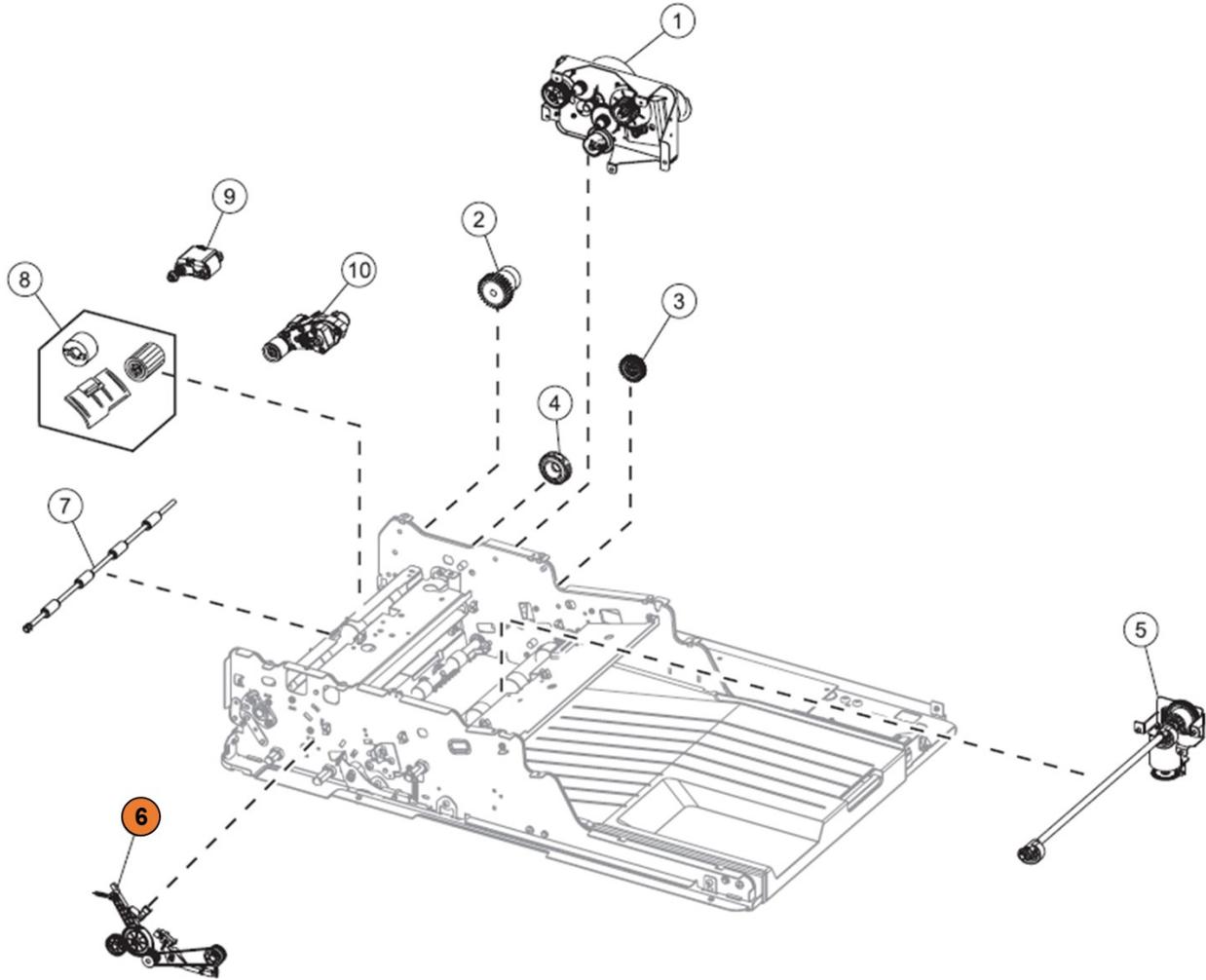


Index	Description
1	MF sensor within the assembly

**MX71x, MX81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

ADF Mechanical

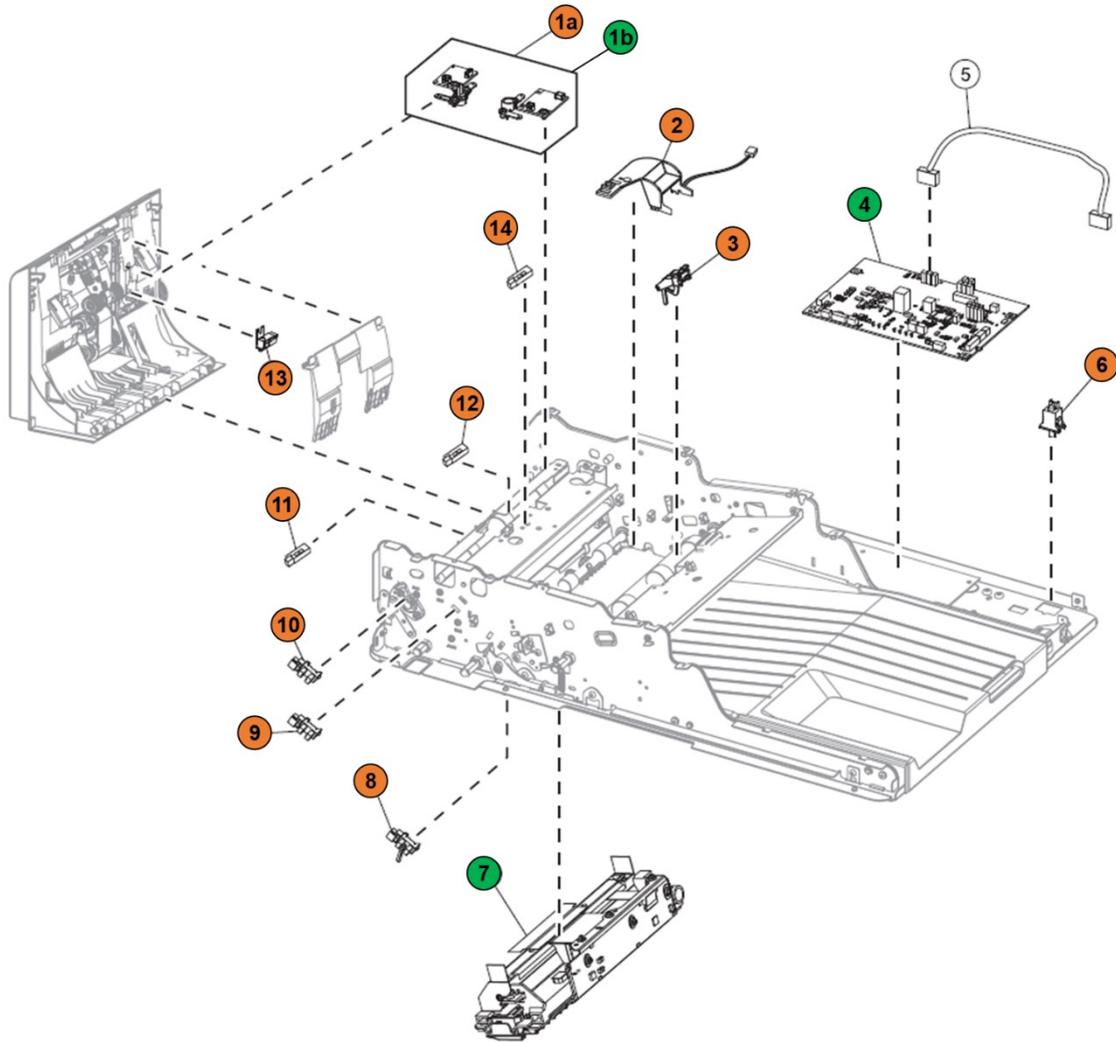


Index	Description
9	Interrupt sensors (2 units) within the assembly

**MX71x, MX81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

ADF Electronics



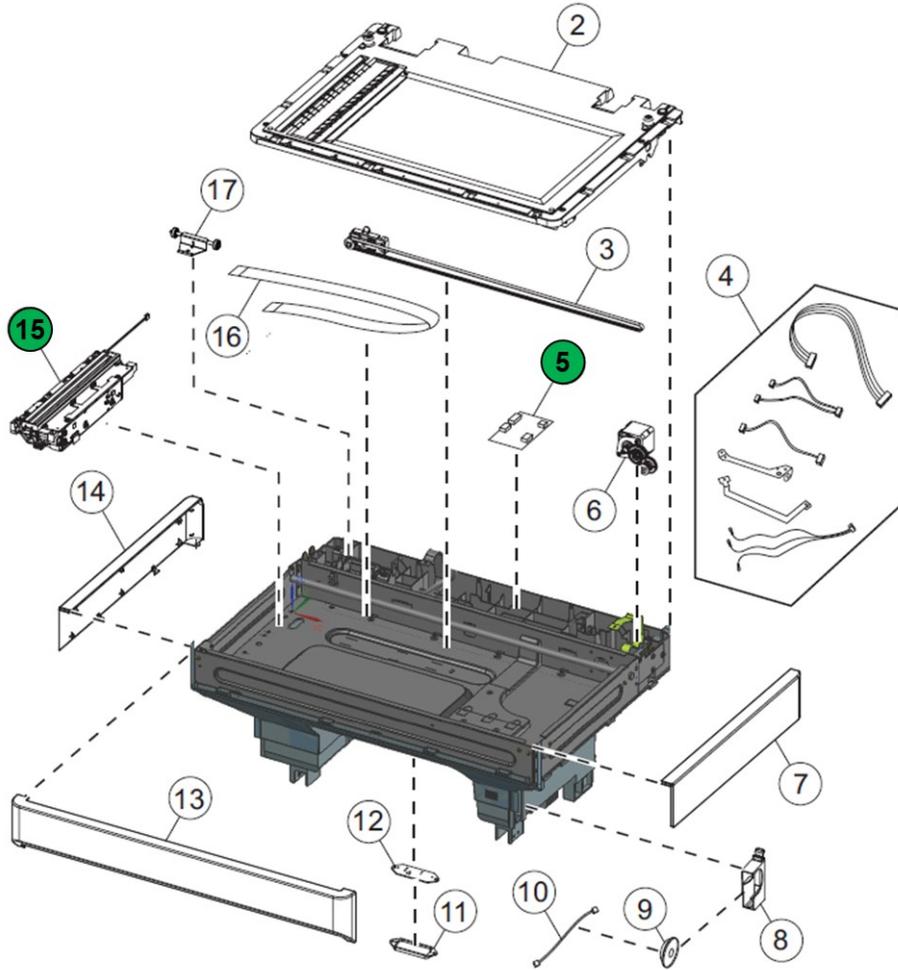
Index	Description
1a	Ultrasonic Multifeed sensors (2 units)
1b	Multi-Feed Detection boards (2 units)
2	Sensor (ADF media present)
3	Interrupt w/flag sensor (ADF exit)
4	ADF controller card
6	Push button switch sensor (ADF closed)
7	ADF CCD scanner board within the assembly

Index	Description
8	Interrupt w/ flag sensor (ADF 2 nd scan)
9	Sensor (ADF lower door interlock)
10	Sensor (ADF top door interlock)
11	Sensor (ADF 1st scan)
12	Sensor (ADF skew detect)
13	Sensor (ADF gap detect)
14	Sensor (ADF pick)

**MX71x, MX81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

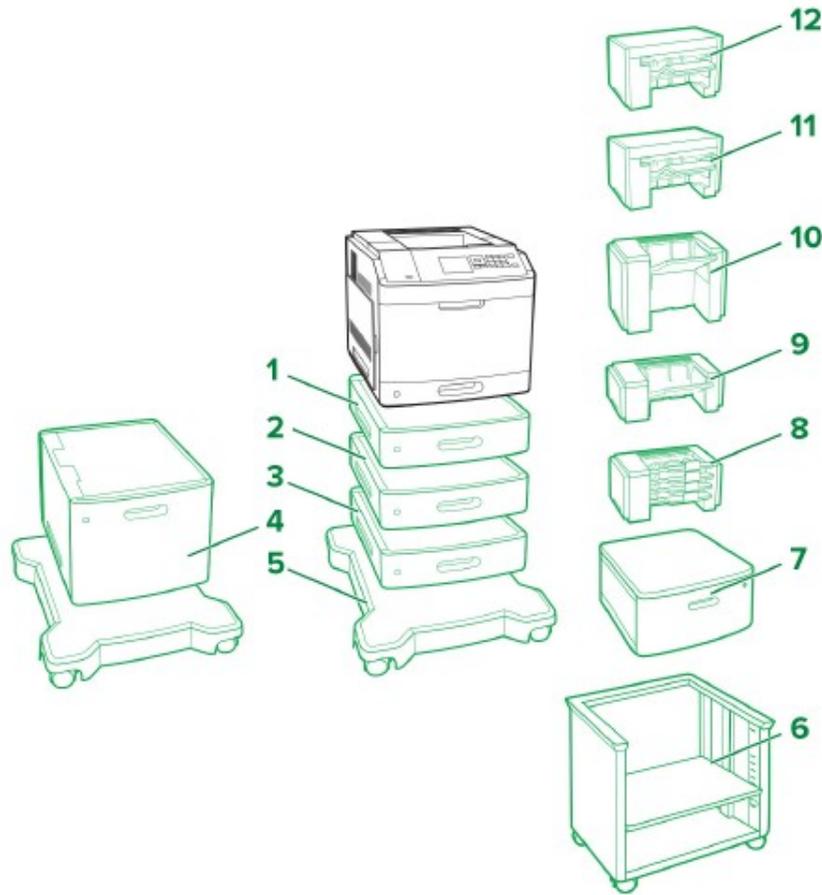
Flatbed scanner



Index	Description
5	Flatbed scanner board
15	Flatbed scanner CCD board within the assembly

**MS71x, MS81x, MX71x, MX81x Series
Location**

MS Series Paper handling options

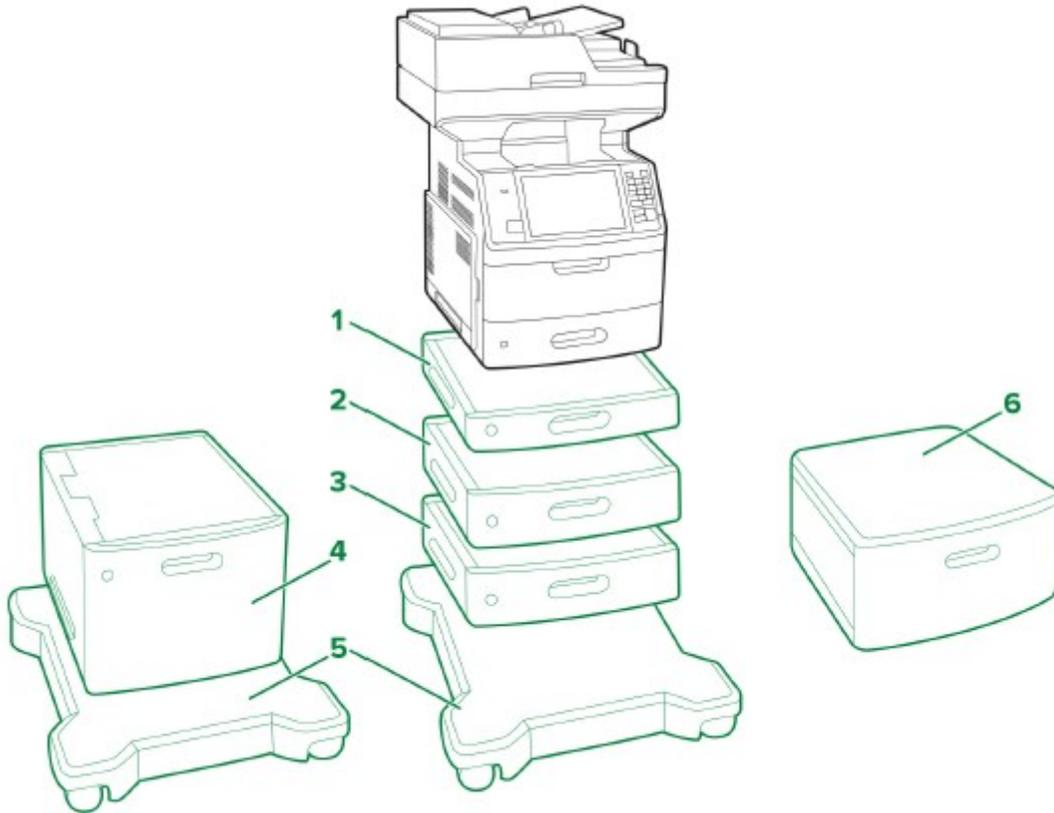


Index	Description
1	250-sheet tray / 250-sheet lockable tray
2	550-sheet tray / 550-sheet lockable tray
3	Spacer*
4	2100-sheet tray
5	Caster base*
6	Adjustable printer stand*
7	Swivel cabinet*
8	4-bin mailbox
9	Output expander
10	High capacity output expander
11	Staple, hole punch finisher
12	Staple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

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

MS71x, MS81x, MX71x, MX81x Series Location

MX Series Paper handling options



Index	Description
1	250-sheet tray / 250-sheet lockable tray for MX710 only
2	550-sheet tray / 550-sheet lockable tray
3	Spacer* for MX710 only
4	2100-sheet tray
5	Caster base*

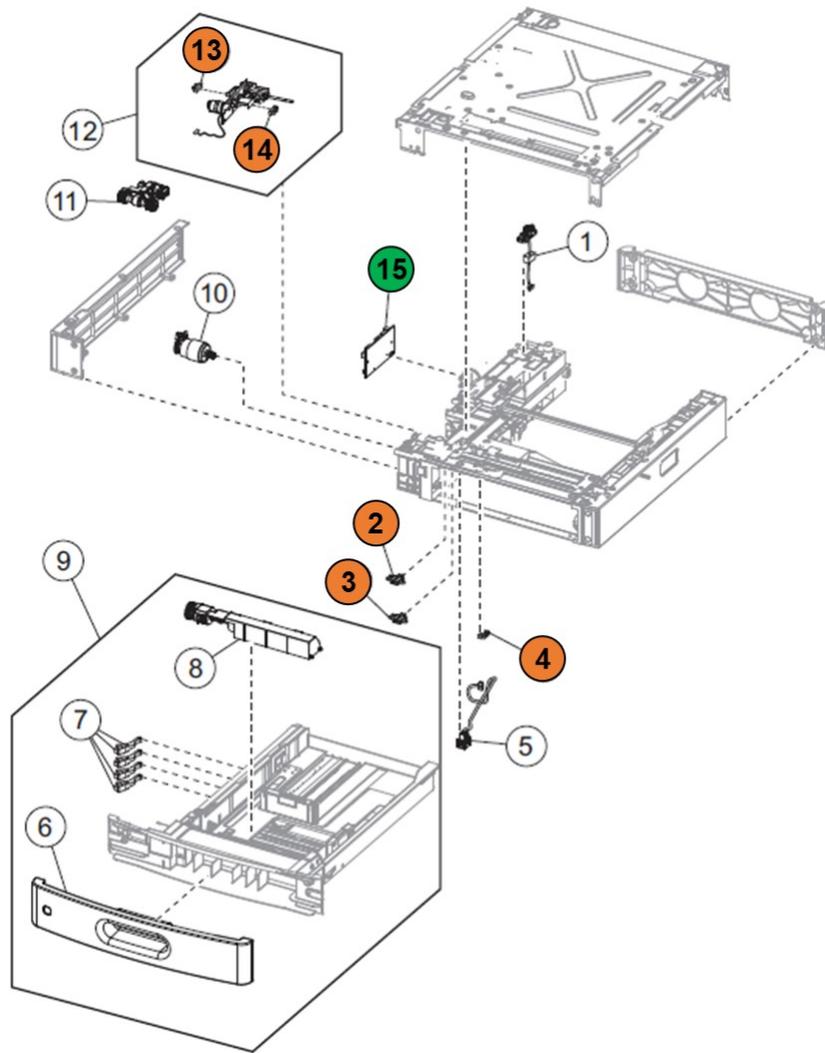
Options marked with (*) are non-Electrical and electronic units

**MS71x, MS81x, MX71x, MX81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

Paper Handling Options Printed Circuit Boards >10cm² and Brominated Plastic Components

250/ 550-sheet Tray Option

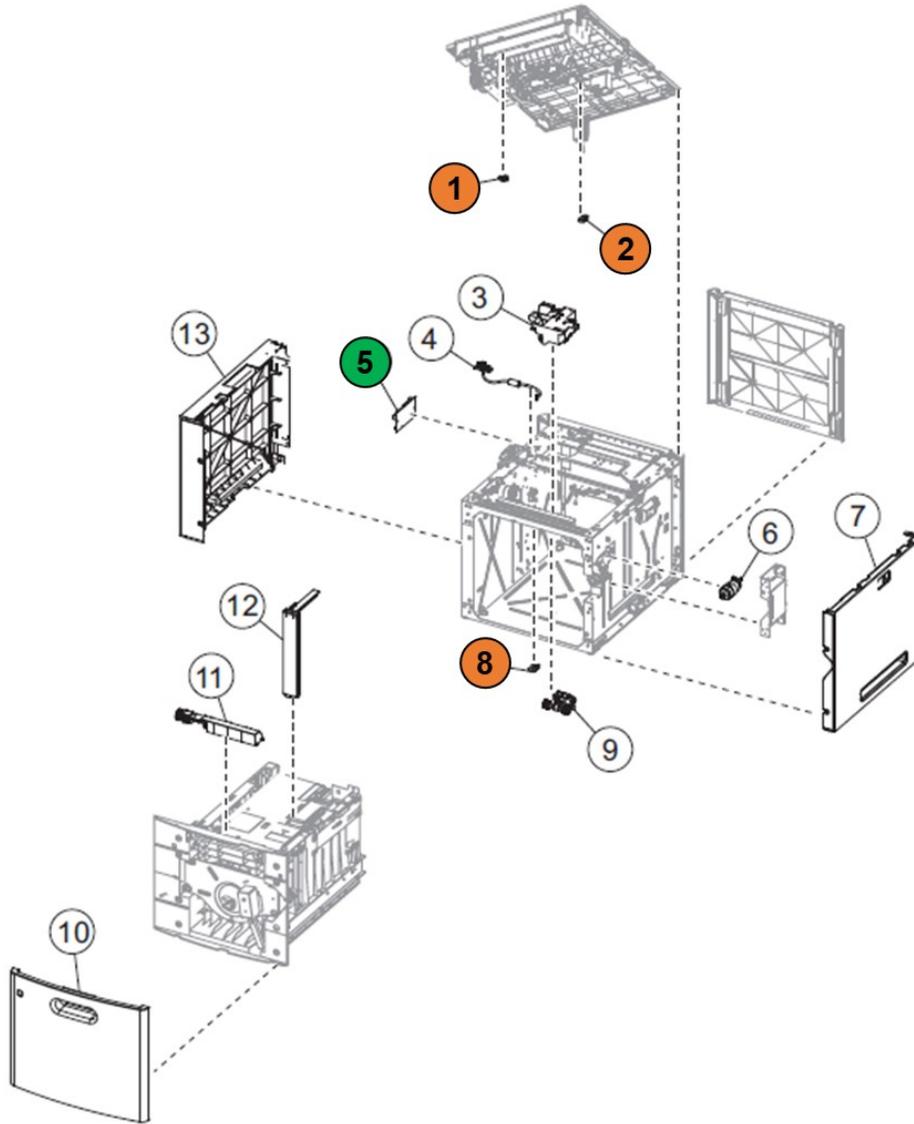


Index	Description
2	Sensor (trailing edge)
3	Sensor (pass through)
4	Sensor (pick roller position)
13	Interrupt sensor (media empty)
14	Interrupt sensor (pick roller position)
15	250/550-sheet tray option controller board

MS71x, MS81x, MX71x, MX81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

High capacity input tray option

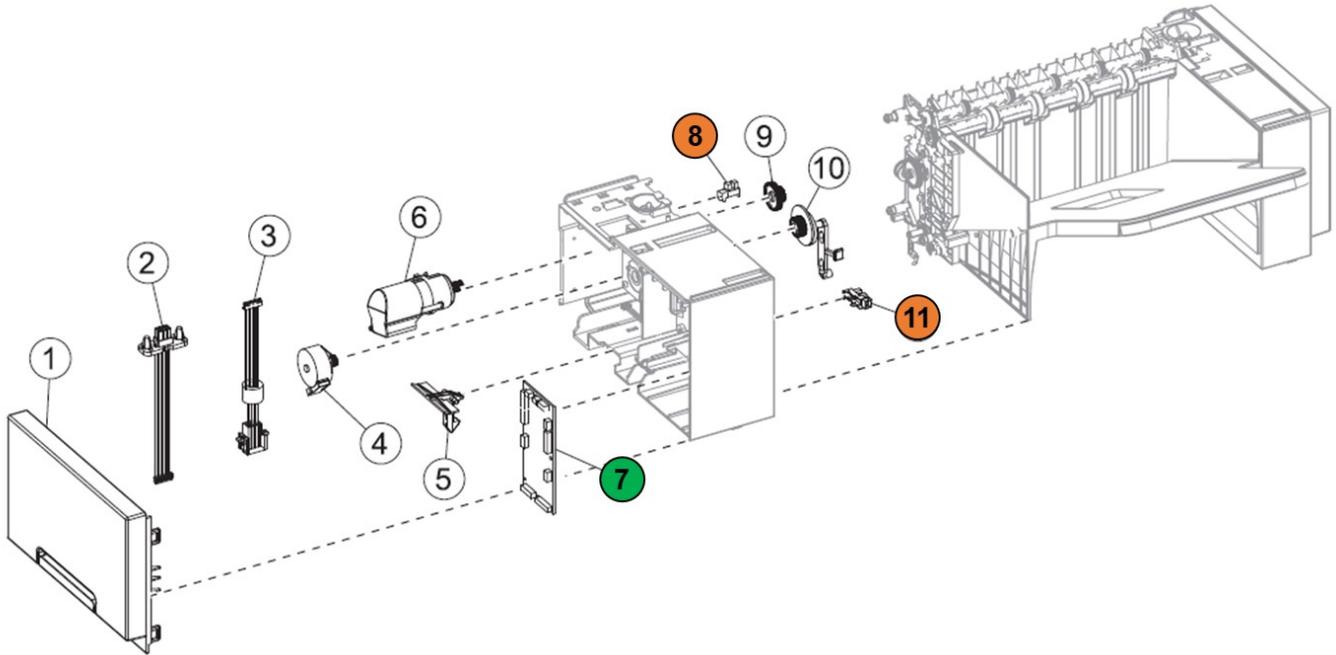


Index	Description
1	Sensor (HCIT pick) with cable
2	Sensor (HCIT media low) with flag
5	HCIT controller board
8	Sensor (HCIT pick roller position)

**MS71x, MS81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

Output expander option 1

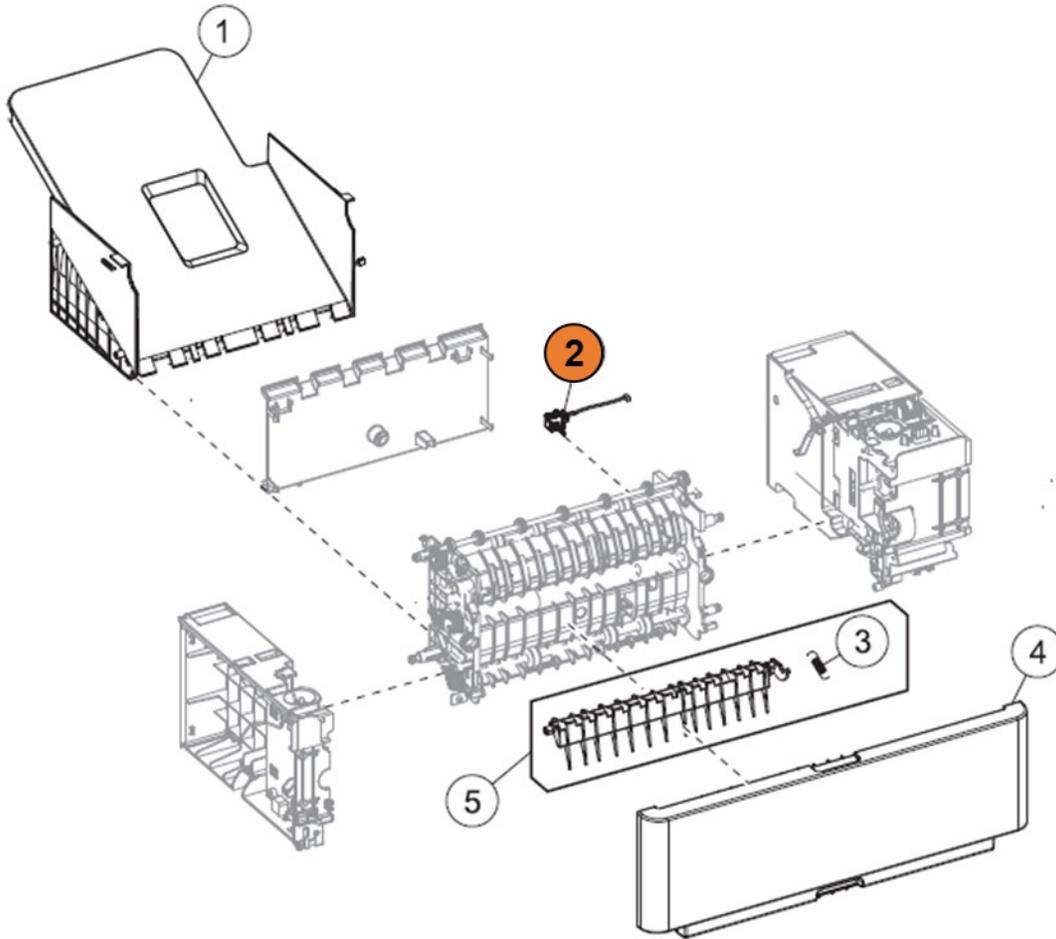


Index	Description
7	Output expander controller board
8	Sensor (OE rear door interlock)
11	Sensor (OE diverter plunger HP)

**MS71x, MS81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

Output expander option 3

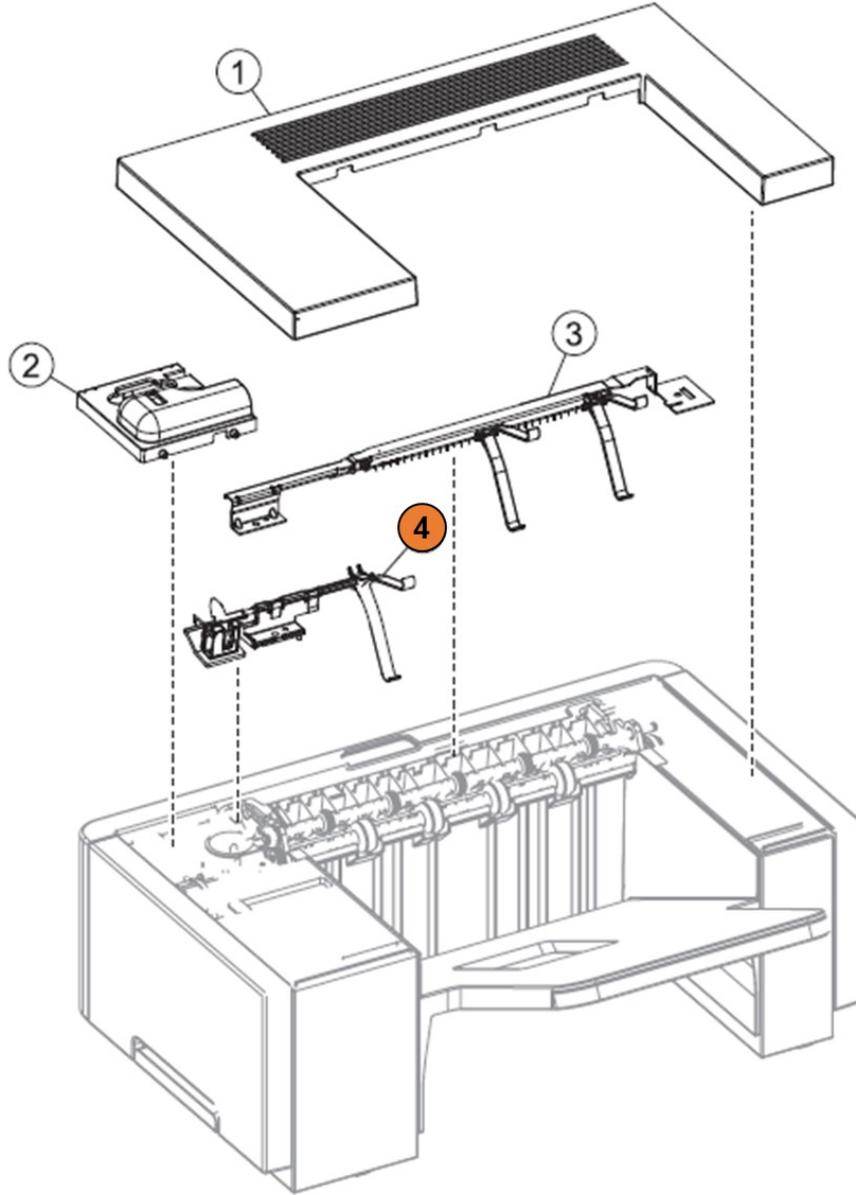


Index	Description
7	Sensor (OE pass through)

**MS71x, MS81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

Output expander option 4

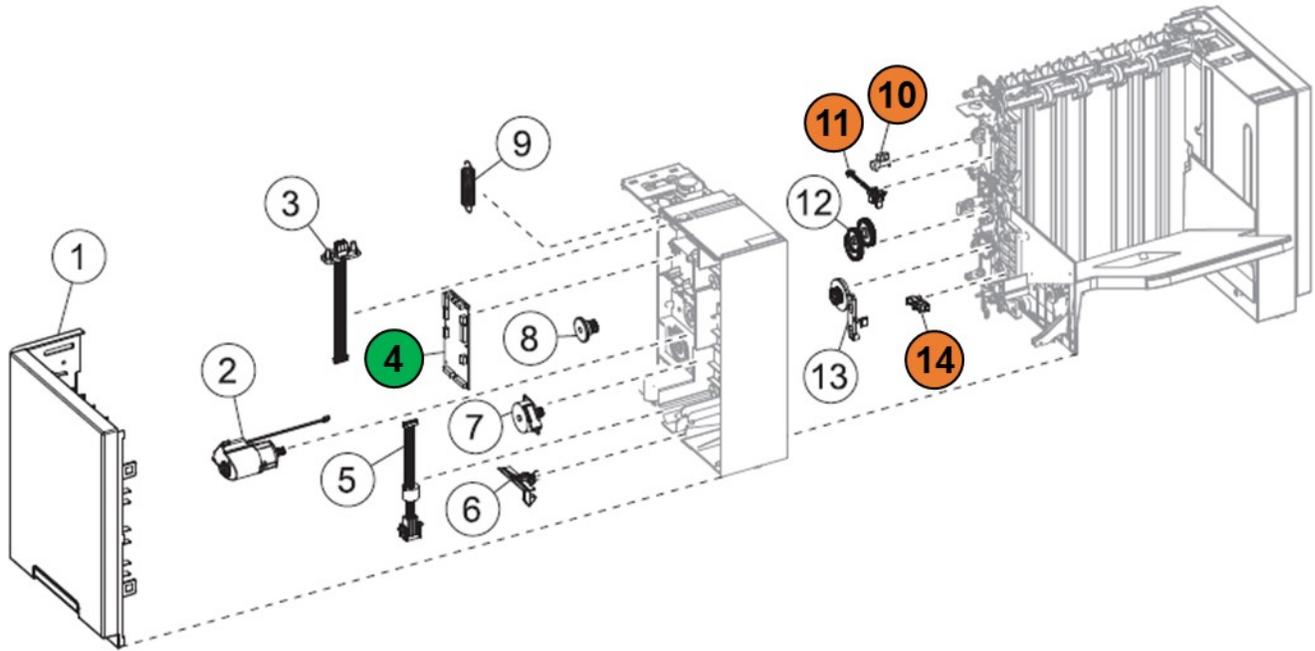


Index	Description
4	Sensor (media bin full) with flag

MS71x, MS81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

High capacity output expander option 1

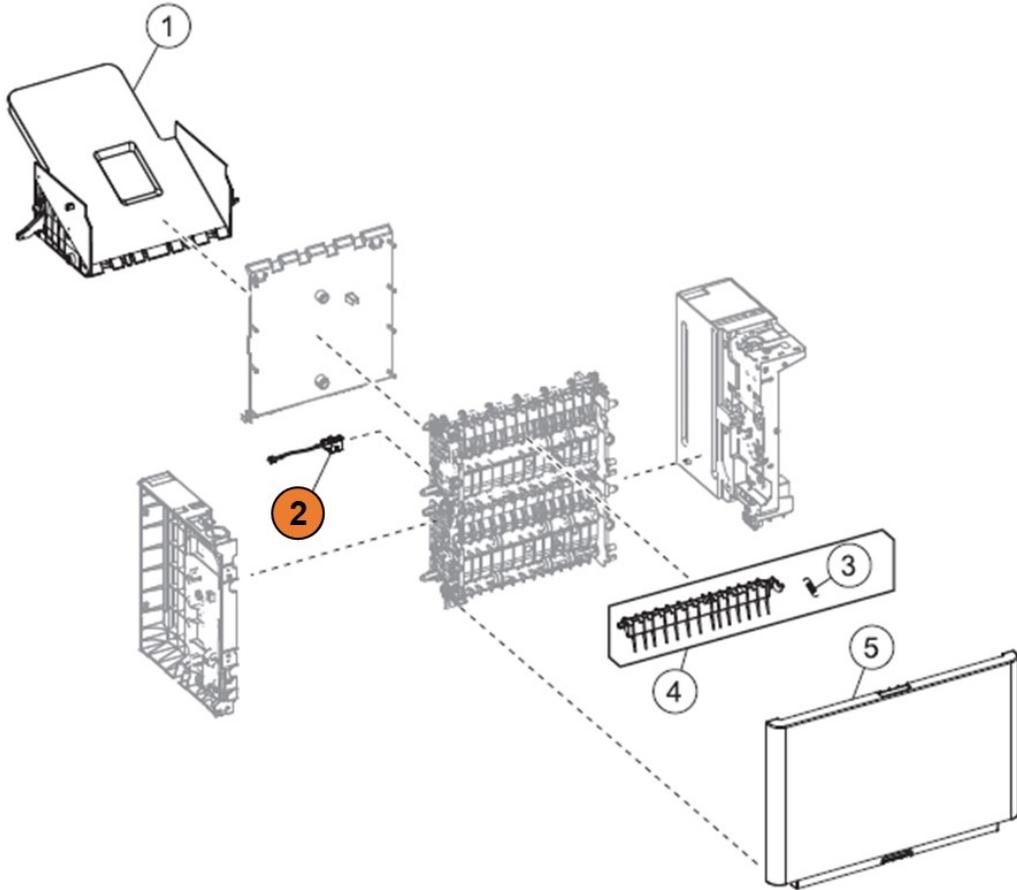


Index	Description
4	HCOE controller board
10	Sensor (HCOE rear door interlock)
11	Sensor (HCOE tray HP)
14	Sensor (HCOE diverter HP)

**MS71x, MS81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

High capacity output expander option 3

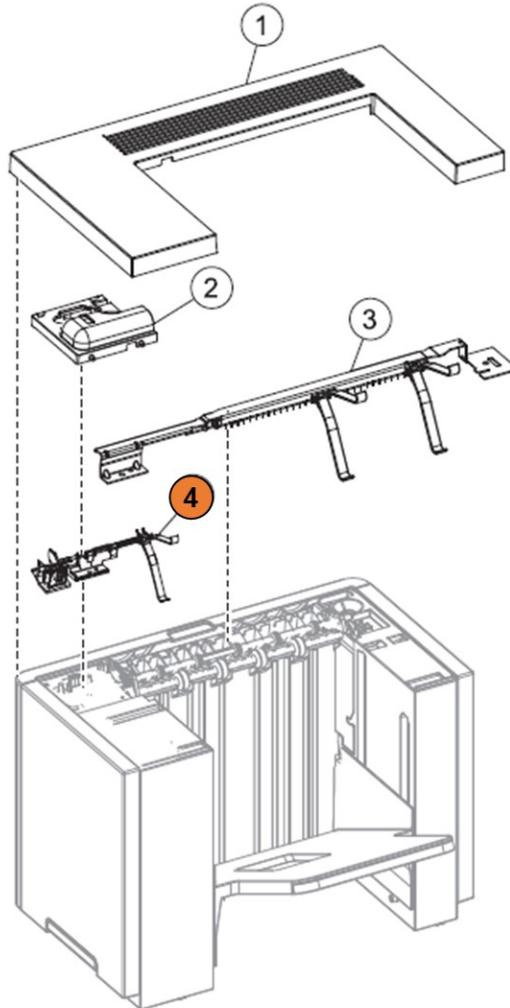


Index	Description
2	Sensor (HCOE pass through)

**MS71x, MS81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

High capacity output expander option 4

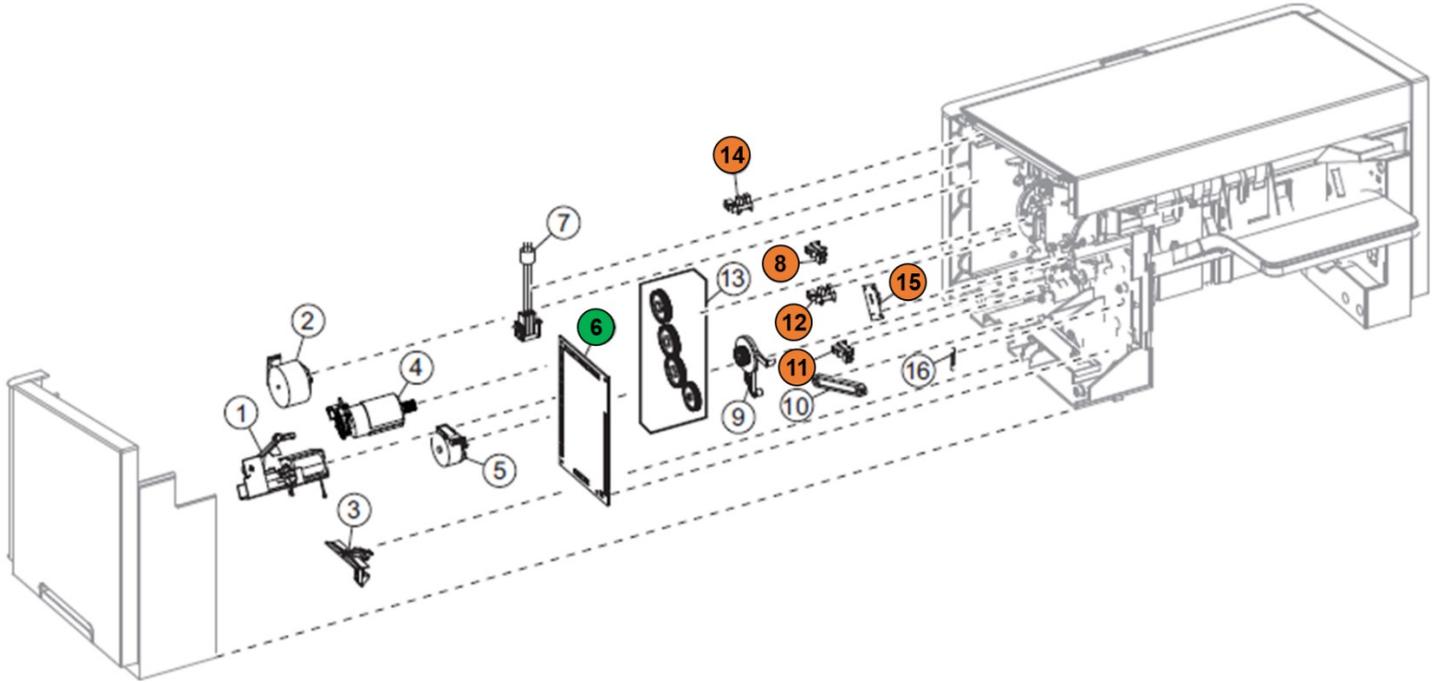


Index	Description
4	Sensor (HCOE media bin full) with flag

MS71x, MS81x, MX71x, MX81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

Staple finisher option 1

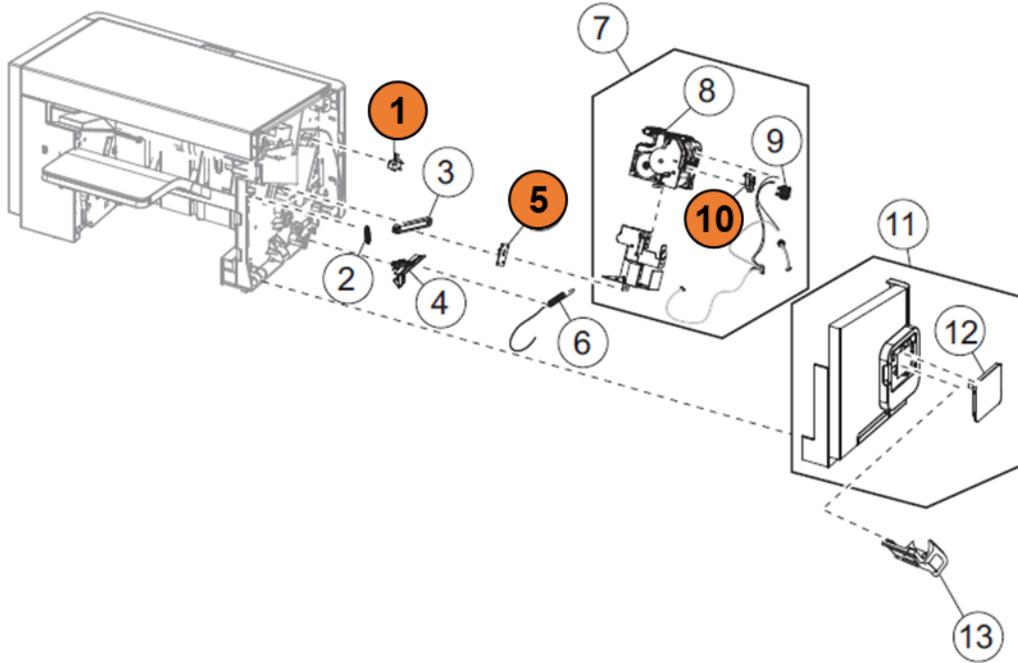


Index	Description
6	Stapler controller board
8	Sensor (media pusher HP)
11	Sensor (stapler diverter plunger HP)
12	Sensor (paddle motor HP)
14	Sensor (stapler rear door interlock)
15	Sensor (bin full receive)

MS71x, MS81x, MX71x, MX81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

Staple finisher option 2

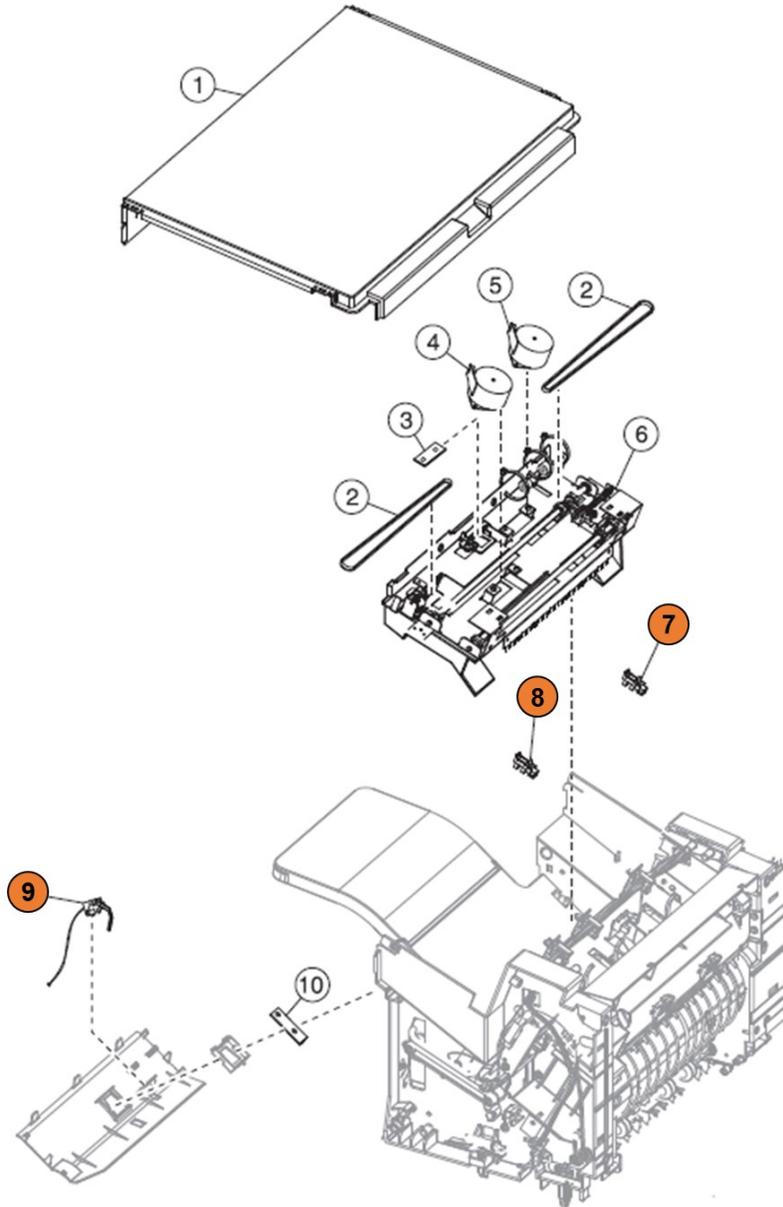


Index	Description
1	Sensor (throat media present)
5	Sensor (bin full send)
10	Sensor (cartridge door interlock)

MS71x, MS81x, MX71x, MX81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

Staple finisher option 3

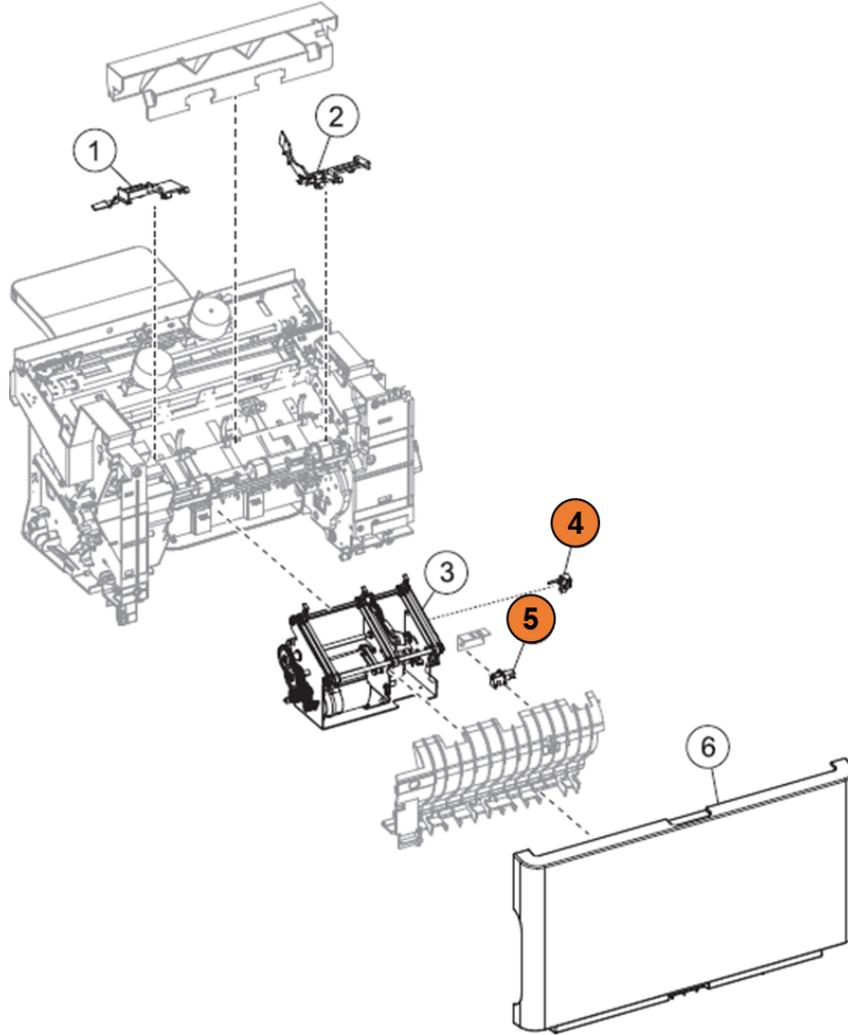


Index	Description
7	Sensor (left tamper motor HP)
8	Sensor (right tamper motor HP)
9	Sensor (finisher bin media present)

MS71x, MS81x, MX71x, MX81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

Staple finisher option 4

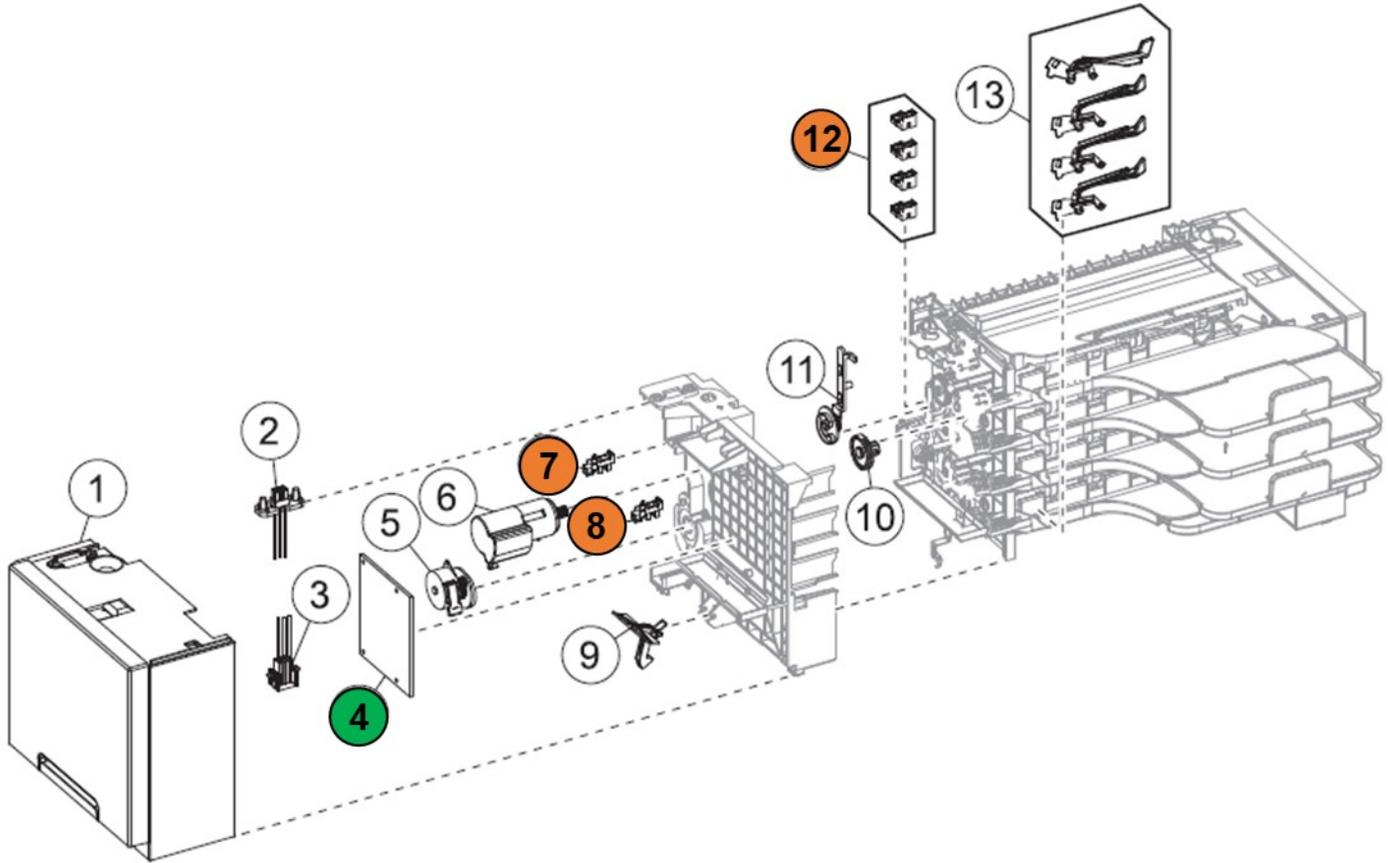


Index	Description
4	Sensor (stapler ejector HP)
5	Sensor (stapler pass through)

**MS71x, MS81x, MX71x, MX81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

Mailbox option 1

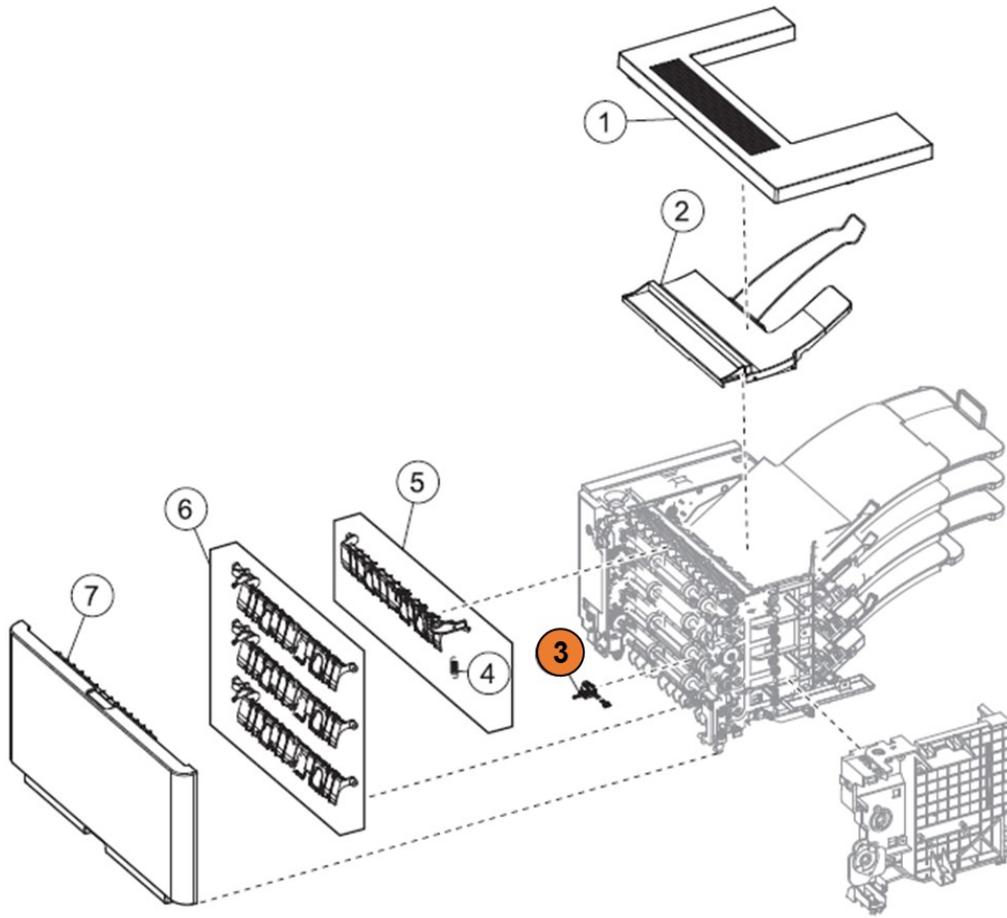


Index	Description
4	Mailbox controller board
7	Sensor (mailbox rear door interlock)
8	Sensor (mailbox diverter plunger HP)
12	Sensor (mailbox bin full receive)

MS71x, MS81x, MX71x, MX81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

Mailbox option 3

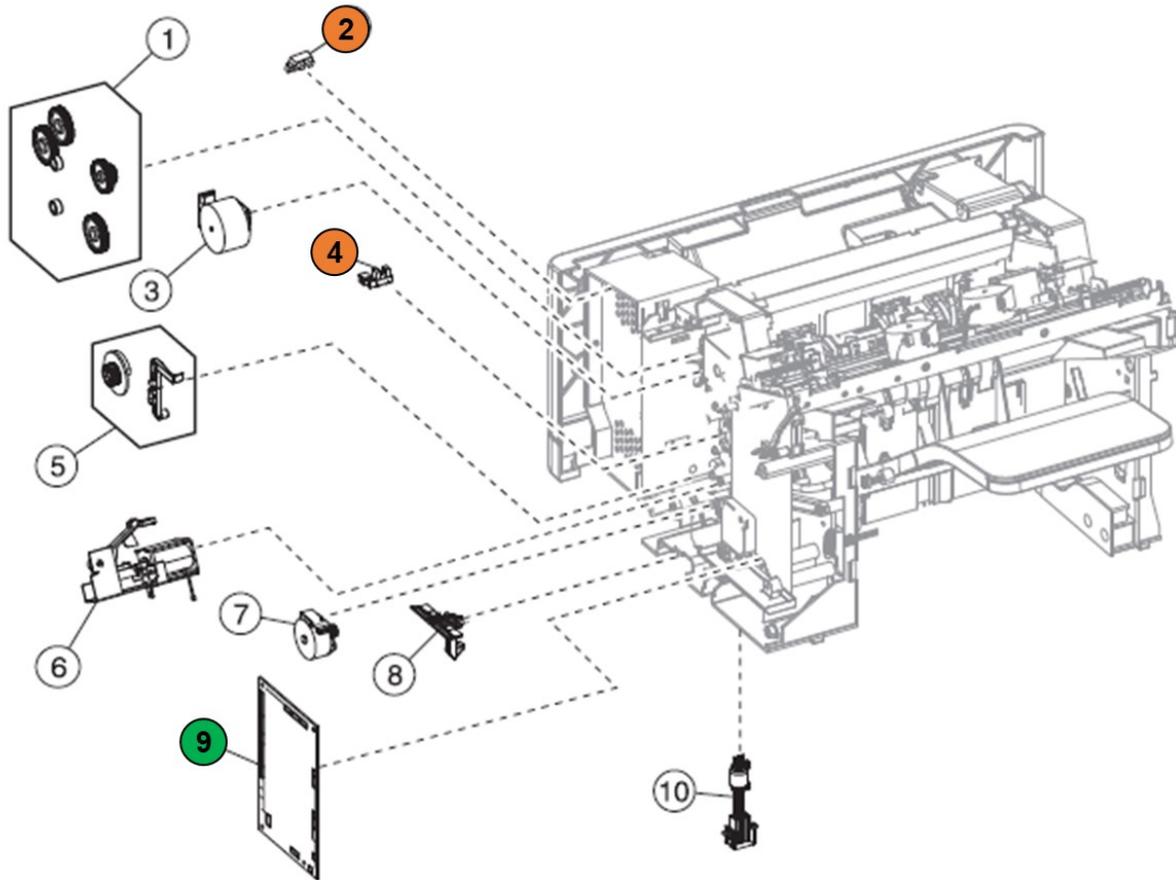


Index	Description
3	Sensor (mailbox pass through)

MS71x, MS81x, MX71x, MX81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

Staple, hole punch finisher option 2

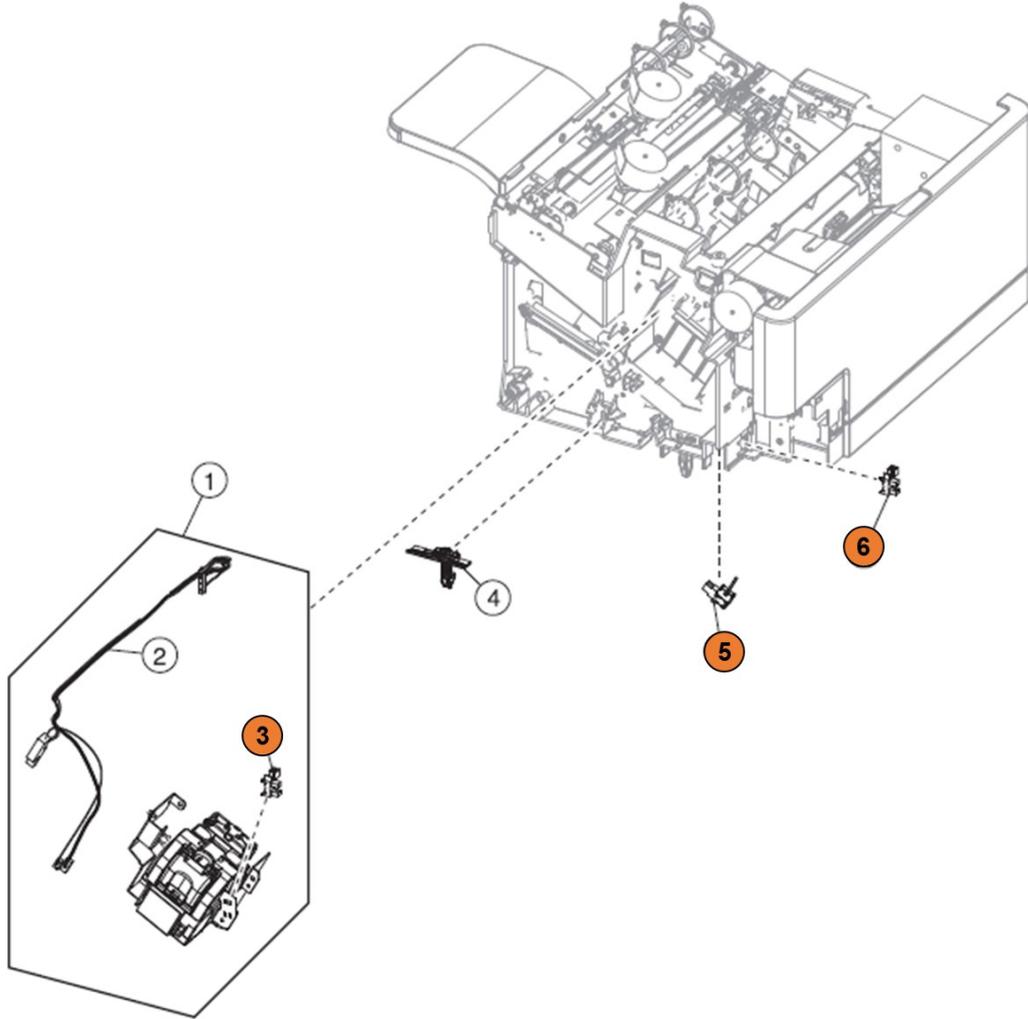


Index	Description
2	Sensor (HPU rear door interlock)
4	Sensor (paddle motor HP)
9	Staple, hole punch finisher controller board

**MS71x, MS81x, MX71x, MX81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

Staple, hole punch finisher option 3

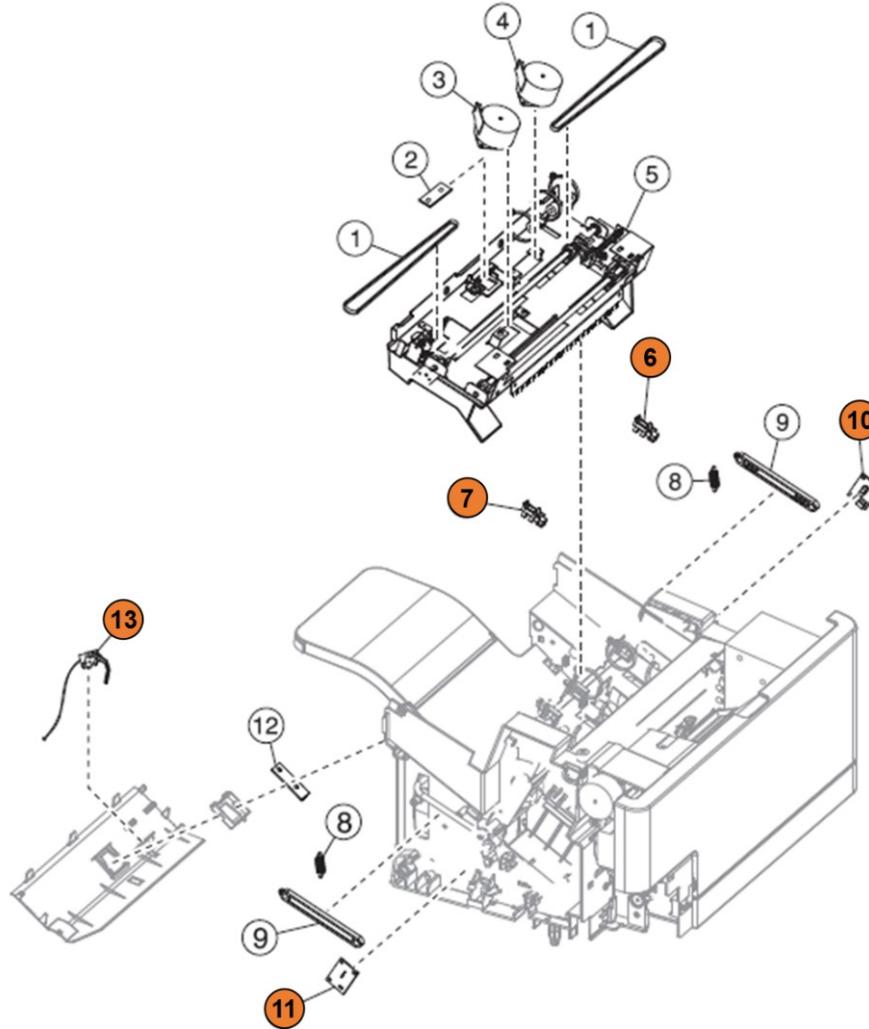


Index	Description
3	Sensor (cartridge door interlock)
5	Sensor (throat media present)
6	Sensor (hole punch box present)

MS71x, MS81x, MX71x, MX81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

Staple, hole punch finisher option 4

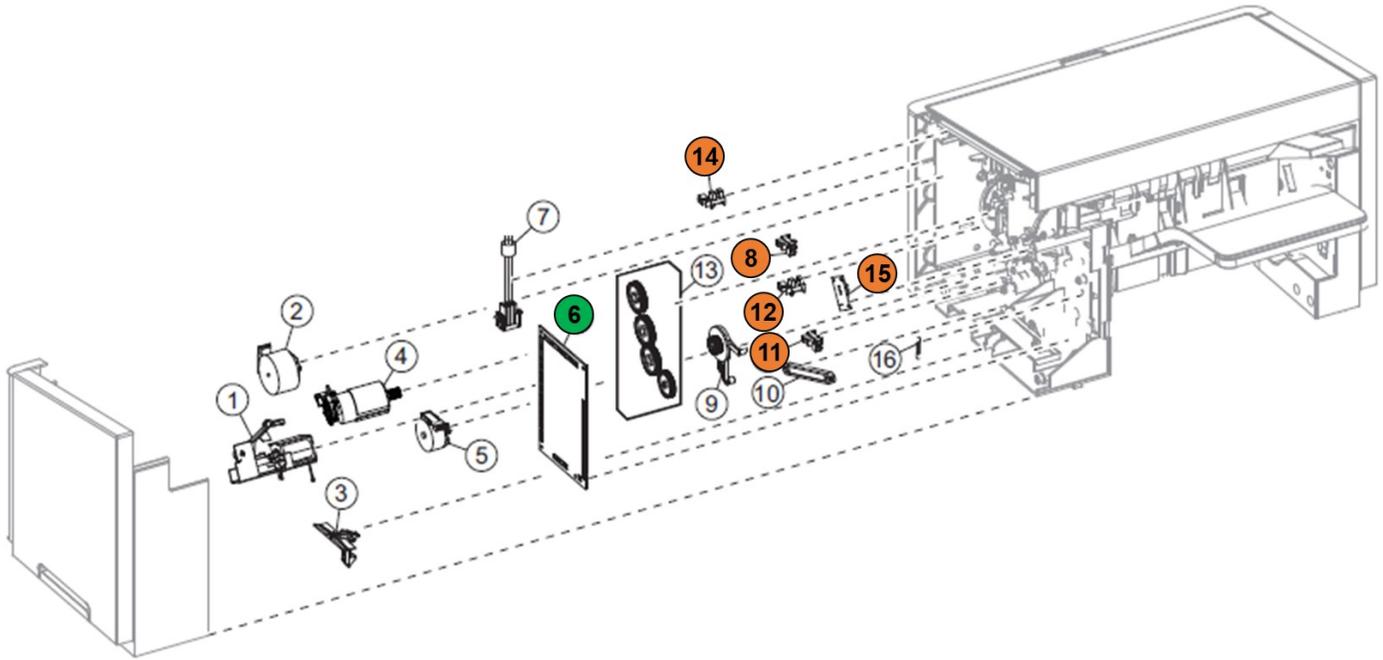


Index	Description
6	Sensor (left tamper motor HP)
7	Sensor (right tamper motor HP)
10	Sensor (bin full receive)
11	Sensor (bin full send)
13	Sensor (finisher bin media present)

MX71x, MX81x Series
Location

Printed Circuit Boards >10cm² and Brominated Plastic Components

Offset Stacker 1

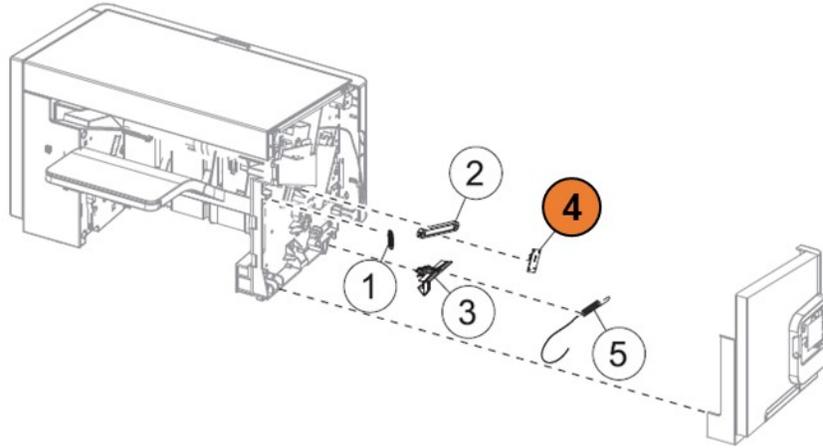


Index	Description
6	Stacker controller board
8	Sensor (media pusher HP)
11	Sensor (stapler diverter plunger HP)
12	Sensor (paddle motor HP)
14	Sensor (stacker rear door interlock)
15	Sensor (bin full receive)

**MX71x, MX81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

Offset Stacker 2

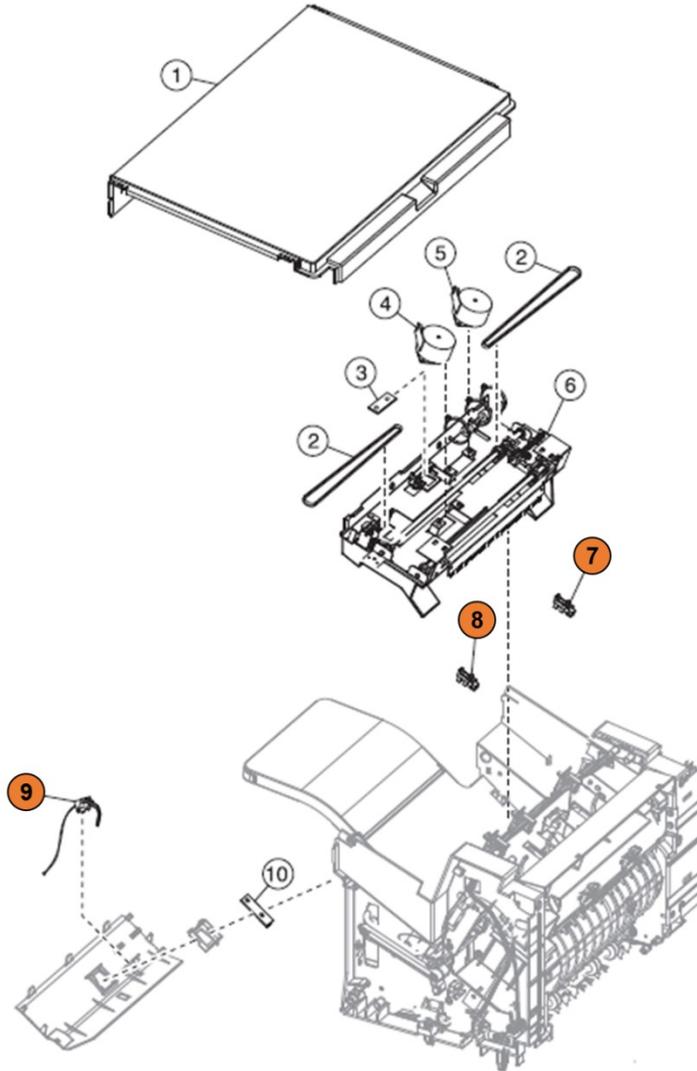


Index	Description
4	Sensor (bin full send)

**MX71x, MX81x Series
Location**

Printed Circuit Boards >10cm² and Brominated Plastic Components

Offset Stacker 3

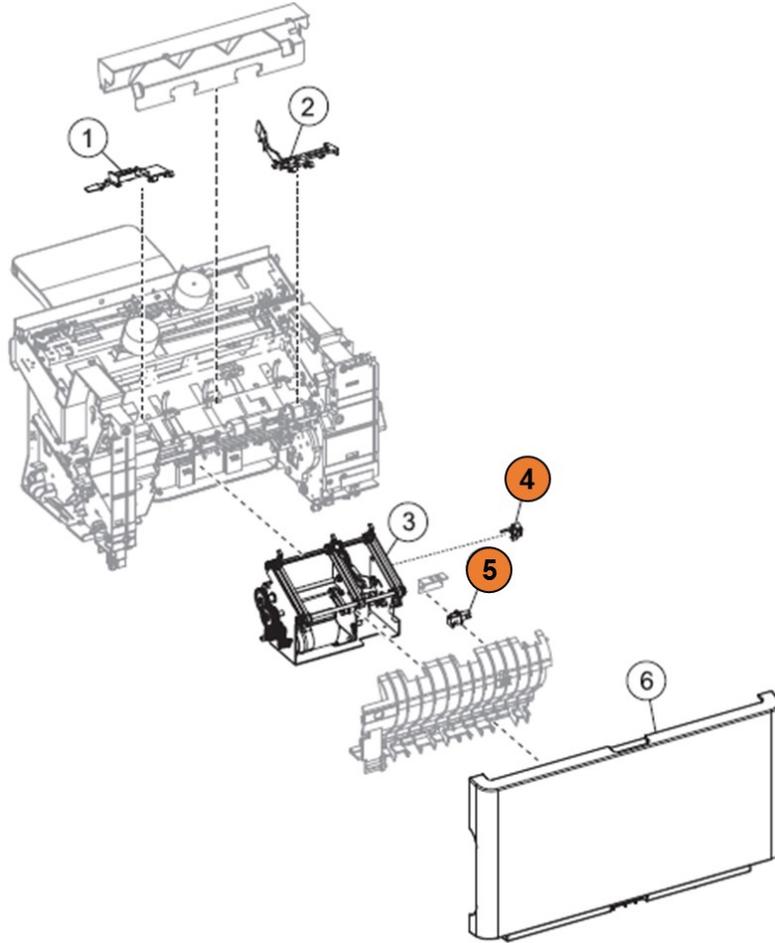


Index	Description
7	Sensor (left tamper motor HP)
8	Sensor (right tamper motor HP)
9	Sensor (finisher bin media present)

**MX71x, MX81x Series
Location**

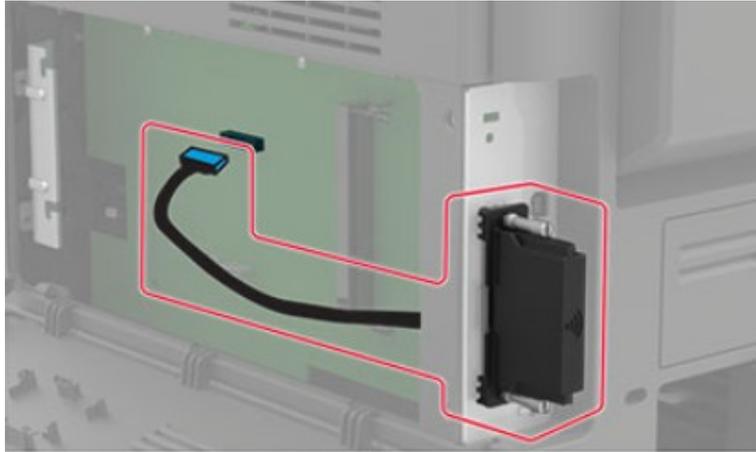
Printed Circuit Boards >10cm² and Brominated Plastic Components

Offset Stacker 4



Index	Description
4	Sensor (stacker ejector HP)
5	Sensor (stacker pass through)

External Options



External Print Servers¹

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.

Annex A – Printer components with Brominated Flame Retardants

Index	Description	Parts Marking	Quantity	Location	
1	40G7743-BASE-FUSER WIPER HR	PET-(GF+MD)40 FR(17)	1	Fuser	
2	50G8521-Lower Exit HR	PA66-GF30 FR(17)	1		
	50G4018-LOWER EXIT - FUSER	PA66-GF30 FR(17)	1		
3	50G8570-Entry HR	PA66-GF30 FR(17)	1		
	40G4044-INPUT - LOWER - FUSER	PA66-GF30 FR(17)	1		
4	50G4021-UPPER EXIT - FUSER	PA66-GF30 FR(17)	1	Electronics	
5	40G6140-PLATE: TRANSFER	PC-CD15 FR(16)	1		
6	Sensor (toner density)	N/A	1		
7	Sensor (input)	N/A	1		
8	Sensor (control panel interlock)	N/A	1		
9	Sensor (standard bin full)	N/A	1		
10	Interrupt sensor	N/A	1		
11	Duplex cooling fan	N/A	1		Drive Motors
12	Cartridge cooling fan	N/A	1		
13	Fuser drive motor	N/A	1		
14	Main drive motor	N/A	1		
15	Main cooling fan with cable	N/A	1		
16	Fuser cooling fan	N/A	1		
17	Sensor (duplex path)	N/A	1	Duplex	
18	Sensor (media size)	N/A	1	Frame	
19	Interrupt sensor (pick roller position)	N/A	1	Paper Tray	
20	Interrupt sensor (media empty)	N/A	1		

Annex B – ADF and Scanner components with Brominated Flame Retardants

Index	Description	Parts Marking	Quantity	Location
1	MF sensor within the assembly	N/A	1	ADF Covers
2	Interrupt sensors	N/A	2	ADF Mechanical
3	Ultrasonic Multifeed sensors	N/A	2	ADF Electronics
4	Sensor (ADF media present)	N/A	1	
5	Interrupt w/flag sensor (ADF exit)	N/A	1	
6	Push button switch sensor (ADF closed)	N/A	1	
7	Interrupt w/ flag sensor (ADF 2 nd scan)	N/A	1	
8	Sensor (ADF lower door interlock)	N/A	1	
9	Sensor (ADF top door interlock)	N/A	1	
10	Sensor (ADF 1st scan)	N/A	1	
11	Sensor (ADF skew detect)	N/A	1	
12	Sensor (ADF gap detect)	N/A	1	
13	Sensor (ADF pick)	N/A	1	

Annex C – Paper handling options components with Brominated Flame Retardants

Index	Description	Parts Marking	Quantity	Location
	250-sheet Tray Option sensors	N/A	5	250/550-Sheet Tray Option
	550-sheet Tray Option sensors	N/A	5	
	High capacity input tray option sensors	N/A	3	High capacity input tray option
	Output expander option sensors	N/A	4	Output expander option 1-4
	High capacity output expander option sensors	N/A	5	High capacity output expander option 1-4
	Staple finisher option sensors	N/A	13	Staple finisher option 1-4
	Mailbox option sensors	N/A	4	Mailbox option 1-3
	Staple, hole punch finisher option sensors	N/A	10	Staple, hole punch finisher option 2-4
	Offset Stacker sensors	N/A	11	Offset Stacker 1-4

Annex D – Printer, ADF and Scanner Printed Circuit Boards >10cm²

Index	Description	Quantity	Location	MS71x/ MS81x	MX71x/ MX81x
1	Control panel board (2.4" display only)	1	MS Series Control panel	X	
	Control panel board (4.3" tilting display only)	1		X	
	Control panel board (7" tilting display only)	1		X	
	7-inch Control panel board	1	MX Series Control panel		X
	10.1-inch Control panel board	1			X
2	Hot roll fuser card	1	Fuser	X	X
	Belt fuser card	1		X	X
3	LVPS (universal)	1	Electronics	X	X
4	HVPS	1		X	X
5	Controller board	1		X	X
6	Laser printhead card	1		X	X
7	HDD card	1	Attached to Controller board	X	X
8	Fax card	1			X
9	Multi-Feed Detection boards	2	ADF Electronics		X
10	ADF controller card	1			X
11	ADF CCD scanner board	1			X
12	Flatbed scanner board	1	Flatbed scanner		X
13	Flatbed scanner CCD board within	1			X

Annex E – Paper handling options Printed Circuit Boards >10cm²

Index	Description	Quantity	Location	MS71x/ MS81x	MX71x/ MX81x
1	250-sheet tray option controller board	1	250/550-Sheet Tray Option	X	X
2	550-sheet tray option controller board	1		X	X
3	HCIT controller board	1	High capacity input tray option	X	X
4	Output expander controller board	1	Output expander option 1	X	
5	HCOE controller board	1	High capacity output expander option 1	X	
6	Stapler controller board	1	Staple finisher option 1	X	
7	Mailbox controller board	1	Mailbox option 1	X	
8	Staple, hole punch finisher controller board	1	Staple, hole punch finisher option 2	X	
9	Stacker controller board	1	Offset Stacker 1	X	

Annex F – Electrical and Electronic (EE) Customer Replaceable Devices

Index	PN	Description	Locations	MS71x/ MS81x	MX71x	MX81x
1	40G0800	250-Sheet Tray	MS Series Paper handling devices MX Series Paper handling devices	X	X	
2	40G0801	250-Sheet Tray Insert		X	X	
3	40G0802 24T7300	550-Sheet Tray		X	X	X
4	40G0803	550-Sheet Tray Insert		X	X	
5	40G0804 24T7350	2100-Sheet Tray		X	X	X
6	40G0820	250-Sheet Lockable Tray		X	X	
7	40G0822	550-Sheet Lockable Tray		X	X	
8	40G0849	Staple, Hole Punch Finisher		X		
9	40G0850	Staple Finisher		X		
10	40G0851	Output Expander		X		
11	40G0852	4-Bin Mailbox		X		
12	40G0853	High Capacity Output Expander		X		
13	40X8421 40X8424 40X8426 40X8429 40X7744 40X7734 40X8017 40X8020	Maintenance kit (Fuser only)/ Fuser	Fuser	X	X	X

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

Index	PN	Description	Locations	MS710/ MS810	MX710	MX810
1	57X9016 57X9012 57X9101 27X0200	Memory options	Attached to Controller board	X	X	X
2	57X9110 57X9112 57X9114 57X9115	Font cards		X	X	X
3	40G0810 40G0830 40G0840 40G0811 40G0831 40G0841 40G0817 40G0837 40G0847	Firmware cards		X	X	X
4	14F0037 27X0225	Internal print servers		X	X	X
5	14F0100 14F0000	Interface cards		X	X	X
6	14T0230 14T0240 14T0220	External print server		External print servers	X	X