



C2240, C2325, C2425, C2535, CS421, CS521, CS622

5029-038,23x, 43x, 6x6

Service Manual

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Product information

Product name:

Lexmark C2240; Lexmark C2325dw; Lexmark C2425dw; Lexmark C2535dw; Lexmark CS421dn; Lexmark CS521dn; Lexmark CS622de

Machine type:

5029

Model(s):

038, 230, 238, 430, 438, 636, 696

Edition notice

June 29, 2018

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P/N

General information

Printer model configurations

The Lexmark™ C2240, C2325, C2425, C2535, CS421, CS521, CS622 printers are network-capable, multifunction laser printers. The printers support color and monochrome printing and are embedded with home screen solutions and applications. All information in this service manual pertains to all models unless explicitly noted.

The printers are available in the following models:

Model	Configurations	Machine type/model
C2240	Network-ready color laser printer with 4.3" color touchscreen and internal duplex printing for small workgroups	5029-696
C2325dw	Network-ready color laser printer with 2-line display and internal duplex printing for small workgroups	5029-038
C2425dw	Network-ready color laser printer with 2.4" color display and internal duplex printing for small workgroups	5029-238
C2535dw	Network-ready color laser printer with 2.4" color display and internal duplex printing for small workgroups	5029-438
CS421dn	Network-ready color laser printer with 2.4" color display and internal duplex printing for small workgroups	5029-230
CS521dn	Network-ready color laser printer with 2.4" color display and internal duplex printing for small workgroups	5029-430
CS622de	Network-ready color laser printer with 4.3" color touchscreen and internal duplex printing for small workgroups	5029-636

Parts catalog

Legend

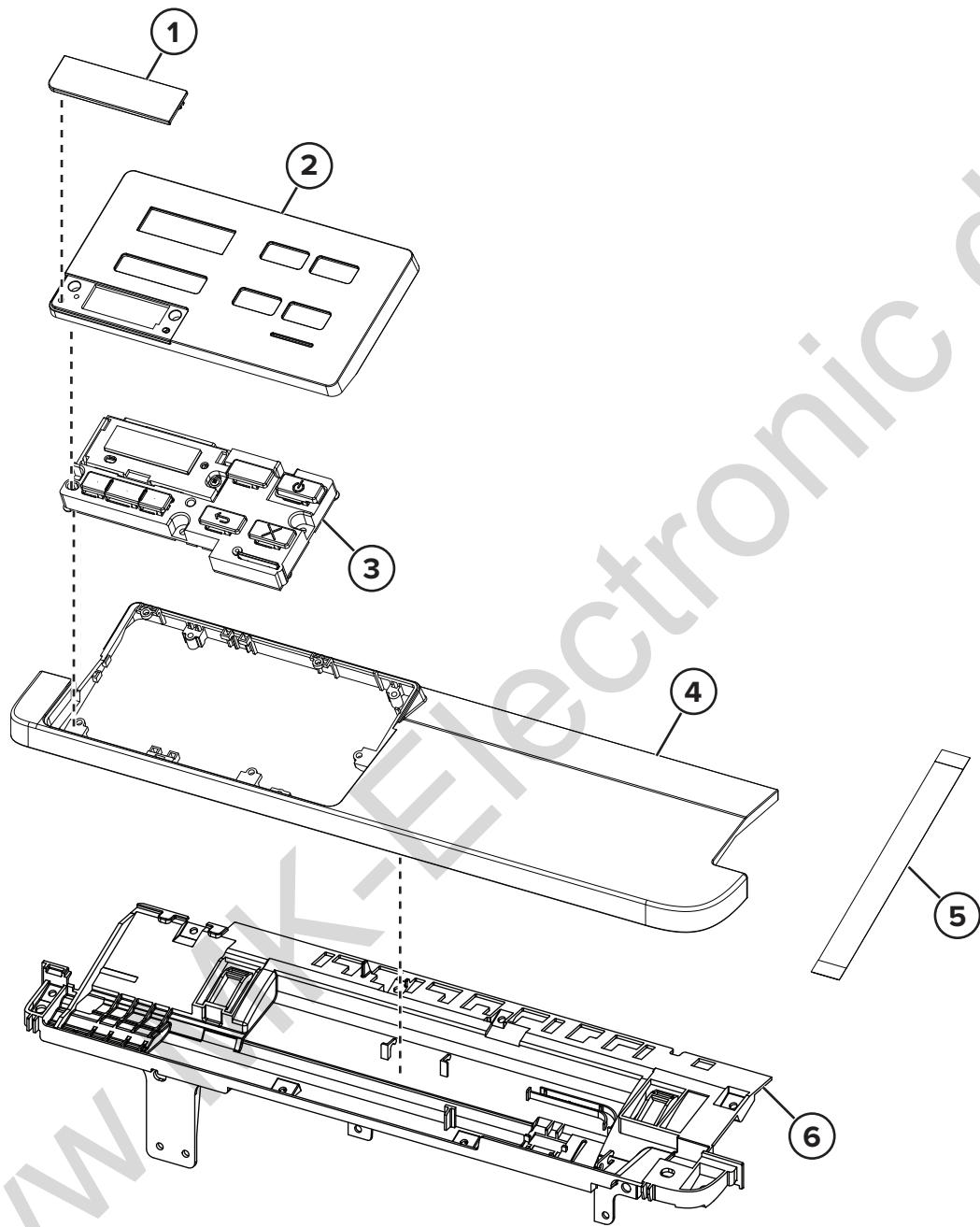
The following column headings are used in the parts catalog:

- **Asm-index**—Identifies the item in the illustration
- **P/N**—Identifies the part number of a FRU
- **Units/mach**—Refers to the number of units in a printer
- **Units/opt**—Refers to the number of units in an option
- **Units/FRU**—Refers to the number of units in a FRU
- **Description**—A brief description of the part

The following abbreviations are used in the parts catalog:

- **NS** (not shown) in the Asm-index column indicates that the part is procurable but is not shown in the illustration.
- **PP** (parts packet) in the Description column indicates that the part is contained in a parts packet.

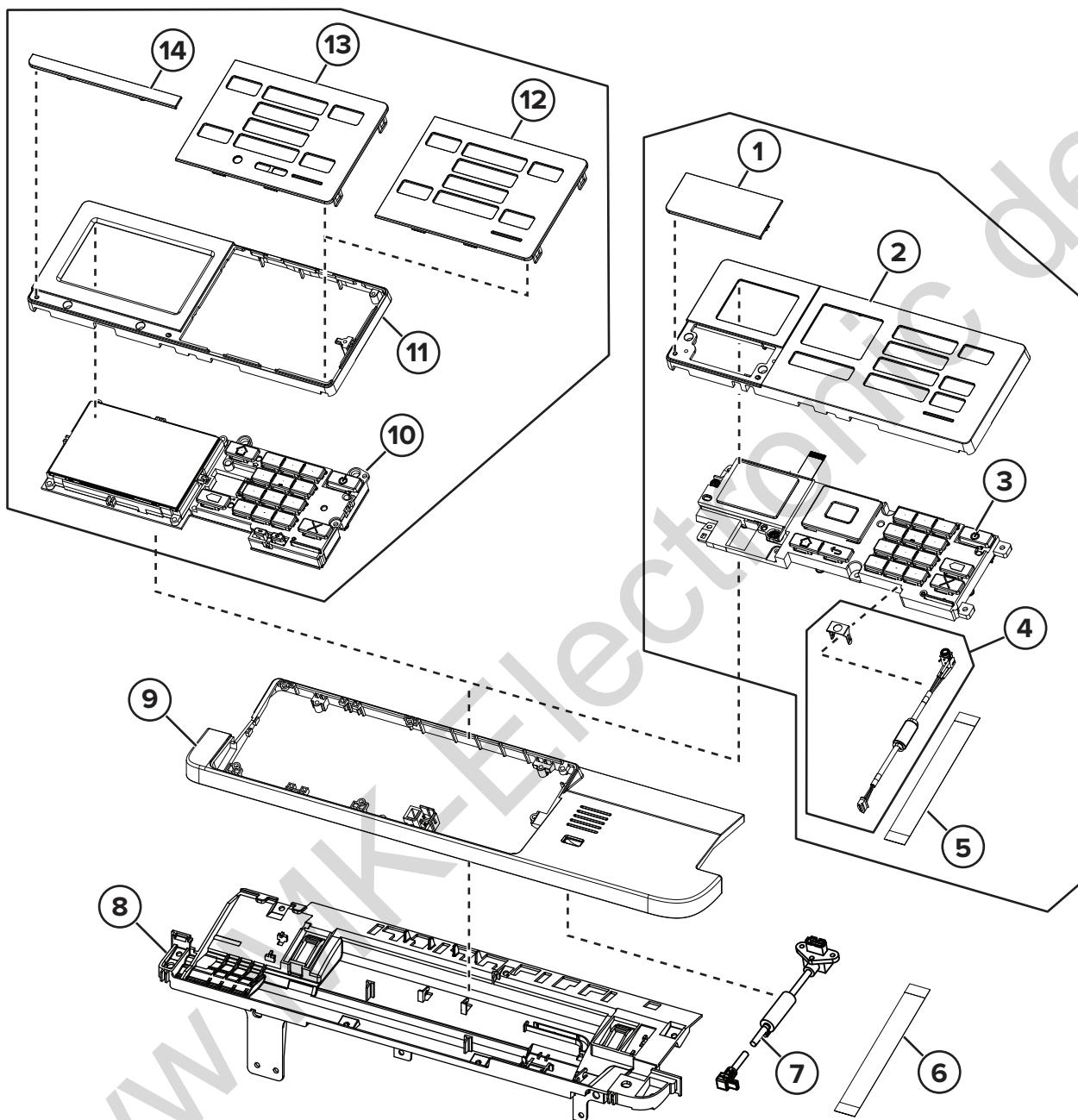
Assembly 1: 2-line control panel



Assembly 1: 2-line control panel

Asm-index	P/N	Units/mach	Units/FRU	Description	Removal procedure
1	41X2070	1	1	CS321 control panel badge cover	“2-line control panel badge cover removal” on page 285
1	41X2127	1	1	SC2325 control panel badge cover	“2-line control panel badge cover removal” on page 285
2	41X2044	1	1	2-line control panel bezel	“2-line control panel bezel removal” on page 287
3	41X2047	1	1	2-line control panel assembly	“2-line control panel assembly removal” on page 290
4	41X2045	1	1	2-line control panel top cover	“2-line control panel top cover removal” on page 291
5	41X2046	1	1	2-line control panel ribbon cable	“2-line control panel top cover removal” on page 291
6	41X1305	1	1	2-line control panel base cover	“Control panel base removal” on page 284

Assembly 2: 2.4-inch and 4.3-inch control panel



Assembly 2: 2.4-inch and 4.3-inch control panel

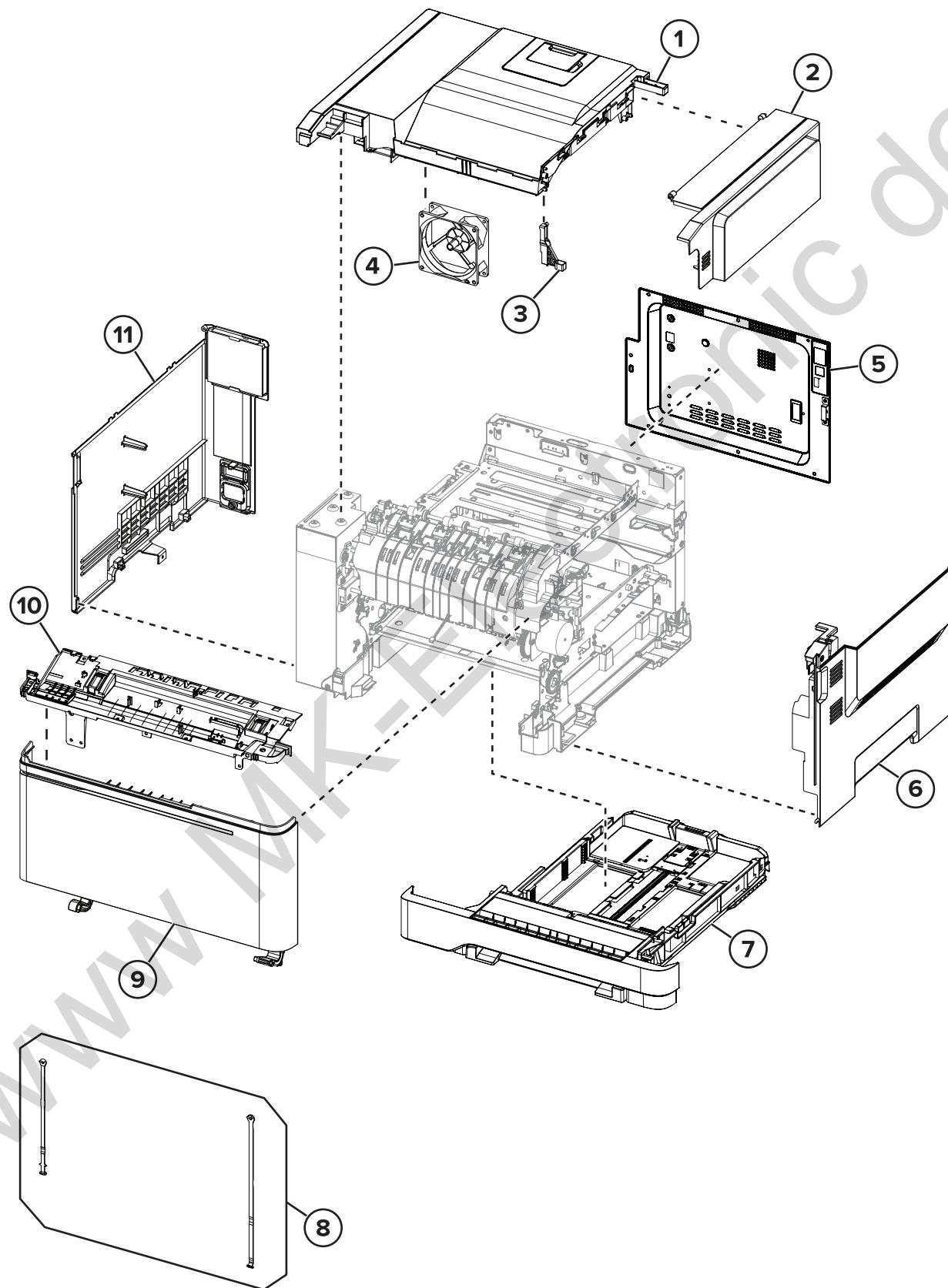
Asm-index	P/N	Units/mach	Units/FRU	Description	Removal procedure
1	41X2049	1	1	CS421 control panel badge cover	“2.4-inch control panel badge cover removal” on page 286
1	41X2050	1	1	CS521 control panel badge cover	“2.4-inch control panel badge cover removal” on page 286
1	41X2132	1	1	SC2425 control panel badge cover	“2.4-inch control panel badge cover removal” on page 286
1	41X2133	1	1	SC2535 control panel badge cover	“2.4-inch control panel badge cover removal” on page 286
2	41X1304	1	1	2.4-inch control panel bezel (CS421, C2425, CS521, and CS2535)	“2.4-inch control panel bezel removal” on page 287
3	41X1627	1	1	2.4-inch control panel assembly (CS421, C2425, CS521, and CS2535)	“2.4-inch control panel top cover removal” on page 292
4	41X1308	1	1	Headphone cable	--
5	41X1309	1	1	2.4-inch control panel FFC (CS421, C2425, CS521, and CS2535)	“2.4-inch control panel top cover removal” on page 292
5	41X2021	1	1	4.3-inch control panel FFC (CS622 and CS2240)	“4.3-inch control panel top cover removal” on page 294
6	41X2021	1	1	Control panel ribbon cable	--
7	41X1307	1	1	USB cable	“Front USB cable removal” on page 301
8	41X1305	1	1	Control panel base cover	“Control panel base removal” on page 284
9	41X1306	1	1	4.3-inch control panel top cover (CS622 and CS2240)	“4.3-inch control panel top cover removal” on page 294
10	41X2113	1	1	4.3-inch control panel assembly (CS622 and CS2240)	“4.3-inch control panel top cover removal” on page 294
11	41X1302	1	1	4.3-inch control panel bezel (CS622 and CS2240)	“4.3-inch control panel bezel removal” on page 288
12	41X2115	1	1	4.3-inch control panel keyboard cover without volume (CS622 and CS2240)	“4.3-inch control panel top cover removal” on page 294
13	41X1310	1	1	4.3-inch control panel keyboard cover (CS622 and CS2240)	“4.3-inch control panel top cover removal” on page 294
14	41X2048	1	1	CS622 control panel badge cover	“4.3-inch control panel badge cover removal” on page 286

Asm-index	P/N	Units/mach	Units/FRU	Description	Removal procedure
14	41X2134	1	1	C2240 control panel badge cover	<u>“4.3-inch control panel badge cover removal” on page 286</u>
NS	41X2119	1	1	Control panel power cable	--

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Assembly 3: Covers



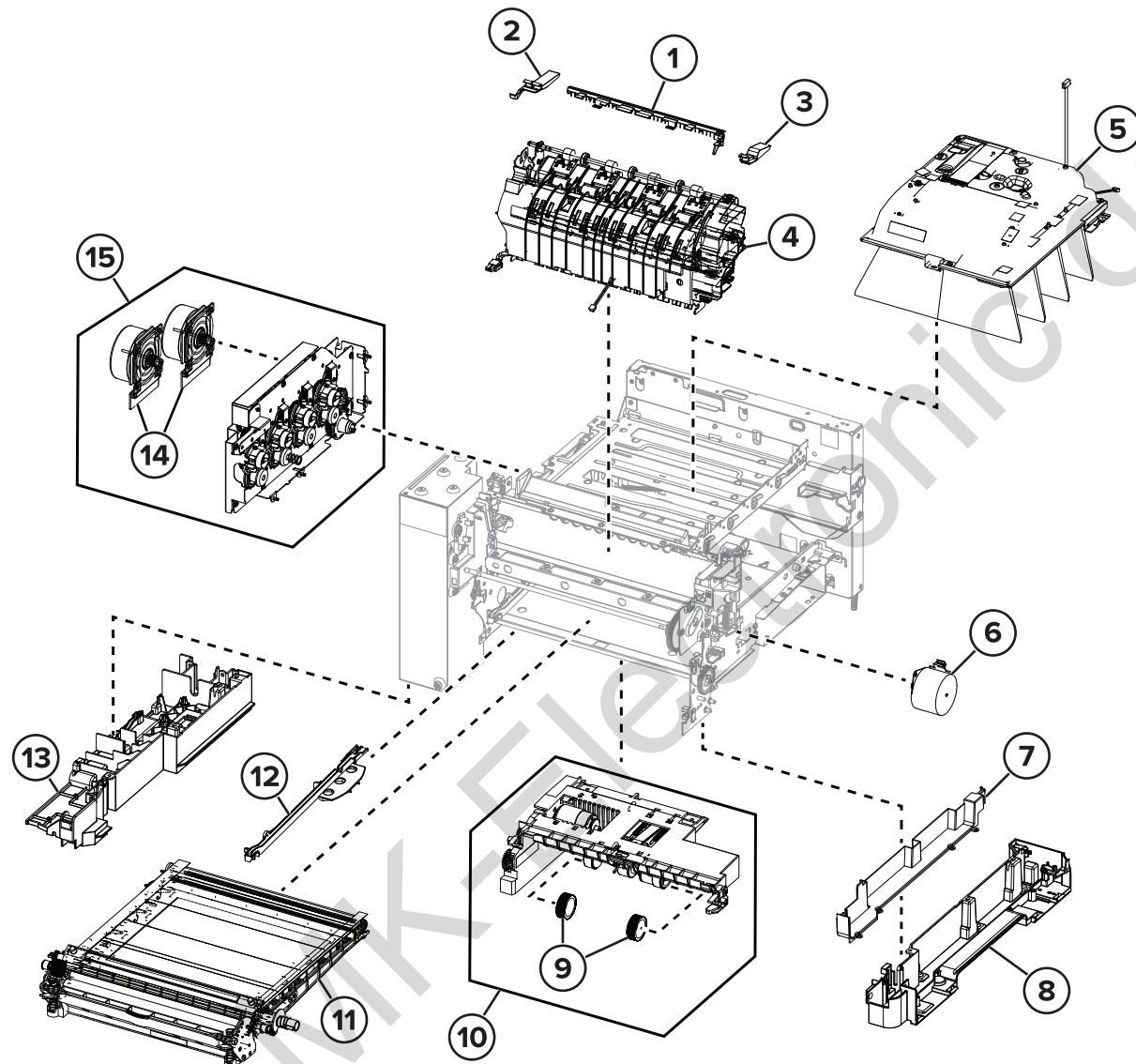
Parts catalog

Assembly 3: Covers

Asm-index	P/N	Units/mach	Units/FRU	Description	Removal procedure
1	40X7633	1	1	Top cover	“Top cover removal” on page 340
2	40X7621	1	1	Toner cover	--
3	40X9244	1	1	Front toner door bracket	--
4	41X0397	1	1	System fan	“System fan removal” on page 336
5	41X2100	1	1	Rear cover, CS62x	“Rear cover removal” on page 337
5	41X1788	1	1	Rear cover, CS3x, CS4x, CS52x	“Rear cover removal” on page 337
6	40X7630	1	1	Right cover	“Right cover removal” on page 254
7	41X1285	1	1	250-sheet tray assembly	--
8	40X7619	1	2	Door straps	--
9	41X1286	1	1	Front door assembly	“Front door removal” on page 278
10	41X1305	1	1	Control pane base	“Control panel base removal” on page 284
11	41X1291	1	1	Left cover	“Left cover removal” on page 241

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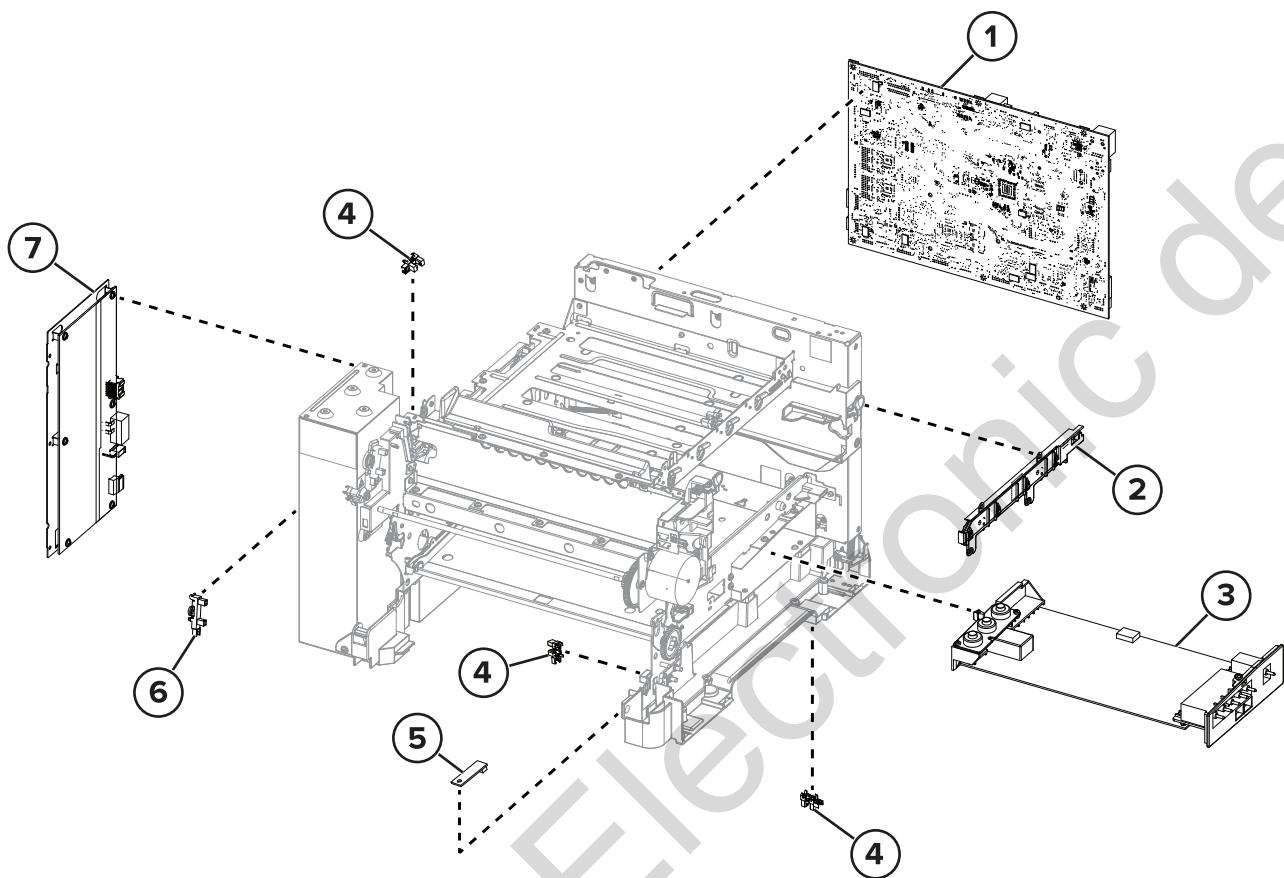
Assembly 4: Paper path and frame



Assembly 4: Paper path and frame

Asm-index	P/N	Units/mach	Units/FRU	Description	Removal procedure
1	41X2305	1	1	Fuser deflector	“Exit deflector removal” on page 308
2	41X2349	1	1	Narrow media/bin full flag	“Narrow media/bin full sensor flag removal” on page 346
3	41X2350	1	1	Right deflector flag	“Right output bin deflector removal” on page 348
4	41X1041	1	1	110 V Fuser	“Fuser removal” on page 305
4	41X1300	1	1	220 V Fuser	“Fuser removal” on page 305
4	41X1299	1	1	100 V Fuser	“Fuser removal” on page 305
5	41X1040	1	1	Printhead	“Printhead removal” on page 346
6	40X7629	1	1	Motor (fuser drive)	“Motor (fuser drive) removal” on page 257
7	41X2327	1	1	Subframe cable cover	--
8	41X1312	1	1	Lower right subframe	“Lower right frame removal” on page 322
9	40X5168	2	2	Pick tires	“Pick tires removal” on page 310
10	41X1292	1	1	Media feeder	“Tray 1 media feeder removal” on page 333
11	41X1039	1	1	Imaging kit	“Imaging kit removal” on page 273
12	41X0580	1	1	Transfer module guide	“Transfer module guide removal” on page 329
13	41X2326	1	1	Lower left subframe	“Lower left frame removal” on page 312
14	41X1724	1	1	Drive unit motor kit	“Motor (drive unit) removal” on page 244
15	41X1289	1	1	EP drive assembly	“EP drive assembly removal” on page 244
NS	41X2360	4	4	Sub-frame foot	--

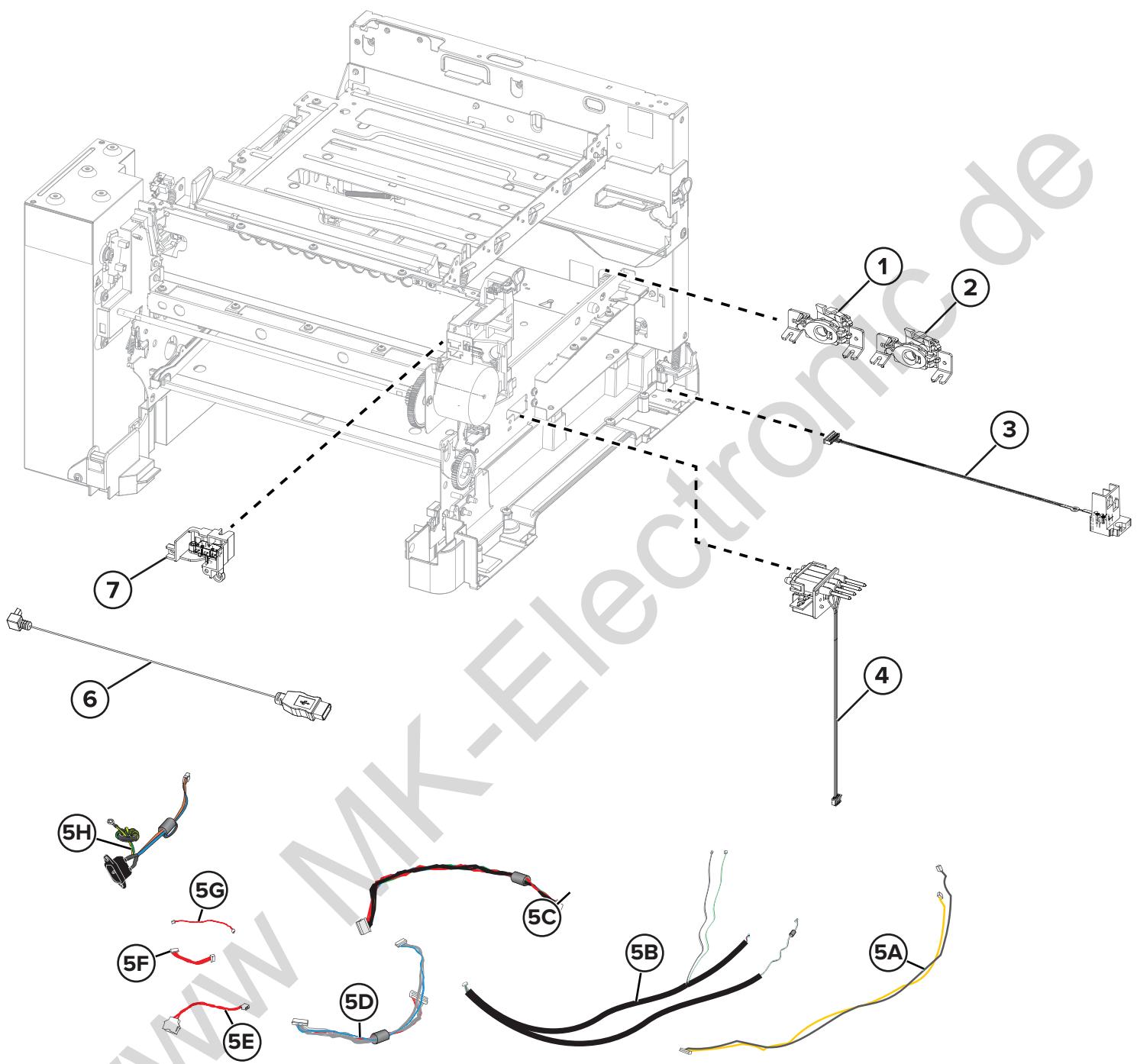
Assembly 5: Electronics



Assembly 5: Electronics

Asm-index	P/N	Units/mach	Units/FRU	Description	Removal procedure
1	41X1789	1	1	Controller board (CS421 and C2425)	“Controller board removal” on page 339
1	41X2098	1	1	Controller board (CS521 and CS2535)	“Controller board removal” on page 339
1	41X1790	1	1	Controller board (CS622 and CS2240)	“Controller board removal” on page 339
1	41X2140	1	1	Controller board (CS2325)	“Controller board removal” on page 339
2	40X7620	1	1	Toner meter card	“TMC card removal” on page 258
3	41X1042	1	1	High voltage power supply	“HVPS removal” on page 264
4	40X7301	3	1	Photo sensors: • Sensor (tray present) • Sensor (duplex) • Sensor (narrow media/bin full)	“Sensor (tray present) removal” on page 332 “Sensor (duplex) removal” on page 328 “Sensor (narrow media/output bin full) removal” on page 344
5	41X1290	1	1	Weather station	“Weather station service check” on page 174
6	40X5413	1	1	Sensor (fuser exit)	“Sensor (fuser exit) removal” on page 249
7	41X2019	1	1	110 W low-voltage power supply (CS2325)	“LVPS removal” on page 247
7	41X1043	1	1	175 W low voltage power supply (CS421, C2425, CS521, CS2535, CS622 and CS2240)	“LVPS removal” on page 247
NS	41X1311	1	1	Speaker (CS622)	“Speaker (CS622) removal” on page 254

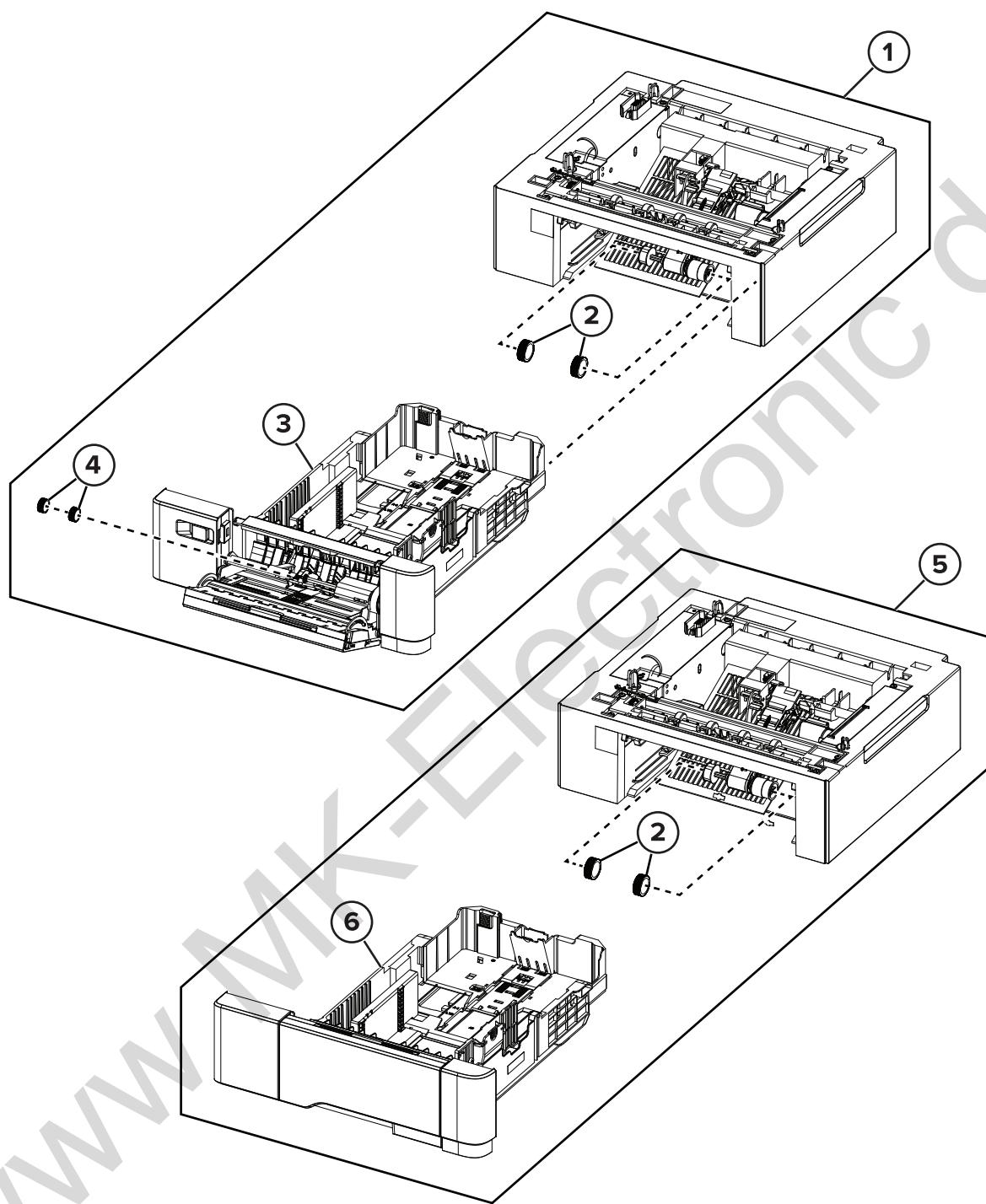
Assembly 6: Cables and sensors



Assembly 6: Cables and sensors

Asm-index	P/N	Units/mach	Units/FRU	Description	Removal procedure
1	41X1904	1	1	Sensor (left toner patch with thermistor)	“Sensors (toner patch) removal” on page 261
2	41X2348	1	1	Sensor (right toner patch with thermistor)	“Sensors (toner patch) removal” on page 261
3	41X1722	1	1	Waste toner bottle contact block	“Waste toner bottle contact block removal” on page 277
4	41X1723	4	1	Toner cartridge contact	“Toner cartridge contacts removal” on page 275
5A	41X2328	1	1	Fuser exit narrow media to controller board	--
5B	41X2329	1	1	Fuser/input sensor cable	--
5C	41X2332	1	1	LVPS to controller board cable	--
5D	41X2330	1	1	EP motor to controller board cable	--
5E	41X2335	1	1	Tray 2 to controller board cable	--
5F	41X2334	1	1	HVPS to controller board cable	--
5G	41X2336	1	1	Tray present sensor cable	--
5H	41X2331	1	1	AC power to LVPS cable	--
6	40X7641	1	1	Control panel and USB port cable pack	--
7	41X1561	1	1	Front and right side interlock switch cover assembly	“Interlock switch cover assembly removal” on page 282
NS	41X2333	1	1	Weather station cable	“Weather station removal” on page 297

Assembly 7: Option trays



Assembly 7: Option trays

Asm-index	P/N	Units/mach	Units/FRU	Description	Removal procedure
1	41X1783	1	1	Optional 650-sheet duo tray	<u>"650-sheet duo tray removal" on page 350</u>
2	40X5168	2	2	Pick tires	<u>"Pick tire removal" on page 352</u>
3	41X1784	1	1	650-sheet duo tray insert	<u>"650-sheet duo tray insert removal" on page 349</u>
4	40X7178	2	1	650-sheet duo tray MPF rollers	--
5	41X1780	1	1	550-sheet tray	--
6	41X1781	1	1	550-sheet tray insert	--

Assembly 8: Miscellaneous

Asm-index	P/N	Units/mach	Units/FRU	Description	Removal procedure
NS	41X2096	1	1	115 V Maintenance kit (fuser and transfer module)	--
NS	41X2097	1	1	230 V Maintenance kit (fuser and transfer module)	--
NS	41X2095	1	1	100 V Maintenance kit (fuser and transfer module)	--
NS	40X9934	1	1	320 GB SATA hard disk drive	--
NS	41X1373	1	1	SATA hard disk drive with FIPS	--
NS	41X1873	1	1	Wireless network card cardlet without cable	--
NS	41X1871	1	1	1 port vertical fax card	--
NS	40X4823	1	1	1284-B THCK parallel adapter	--
NS	41X1945	1	1	N8230 fiber ISP with side cover adapter	--
NS	41X1946	1	1	N8230 fiber ISP with backpack adapter	--
NS	41X1013	1	1	Simplified Chinese font card	--
NS	41X1014	1	1	Traditional Chinese font card	--
NS	41X1015	1	1	Korean font card	--
NS	41X1016	1	1	Japanese font card	--
NS	41X1010	1	1	256 MB flash card	--
NS	41X0027	1	1	Security element smart card	--
NS	41X0020	1	1	Serial ISP with backpack adapter	--
NS	41X0997	1	1	Contact front solutions module	--
NS	41X0998	1	1	Contactless front solutions module	--
NS	41X0045	1	1	English keyboard	--
NS	41X0046	1	1	French keyboard	--
NS	41X0048	1	1	German keyboard	--
NS	41X0049	1	1	Spanish keyboard	--
NS	41X2033	1	1	PCIe 8 GB x32 DDP RAM card	--
NS	41X2302	1	1	Braille label kit	--
NS	41X0357	1	1	110 V surge protector	--
NS	41X0370	1	1	220 V surge protector	--
NS	40X1367	1	1	10 ft. parallel cable	--
NS	40X1368	1	1	USB cable	--
NS	40X7648	1	1	Screws parts pack	--
NS	40X7652	1	1	Spring kit	--