Parts and Diagrams

5

Printer Support

Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	Q5669-60718	Leg Cover	All	All	N/A
2	Q5669-60716	Legs Assembly		All	
3	Q5669-60715	Foot Assembly (includes 1 foot and 1 support tube)			6-10
4	Q5669-60719	Bin Assembly (Includes the Bin Support)		24 inch	
	Q6659-60237			44 inch	
5	Q5669-67063	Rear basket brackets and basket tube		All	
6	Q5669-60717	X-Brace Assembly		24 inch	N/A
	Q6659-60236			44 inch	
-	Q5669-60730	Hardware Kit (Includes screws for Legs Assembly)		All	

a Refers to the page in the Removal and Installation Chapter
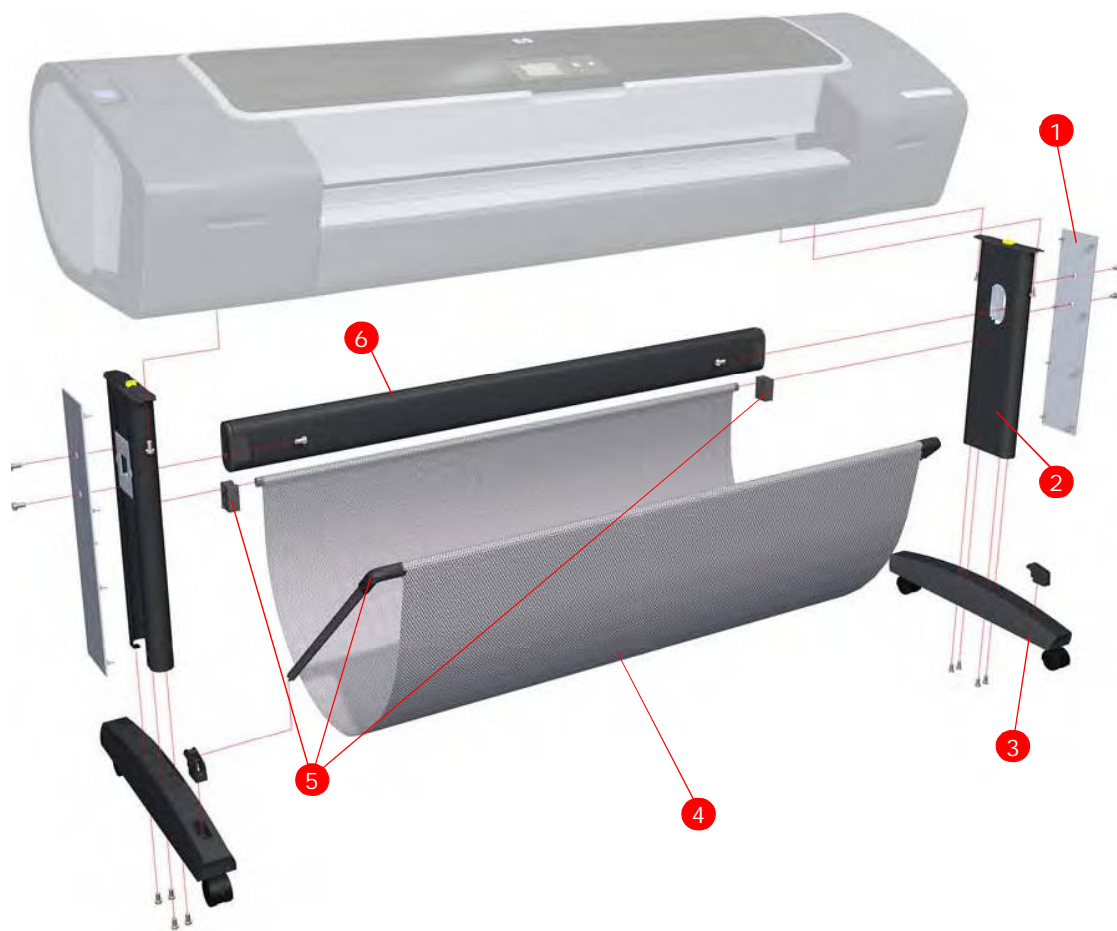
Figure 5-1: Printer Support

Center Covers (Front)

Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	Q6683-60208	Window	T1100/ T1100ps/ T1120/ T1120ps	24 inch	6-12
	Q6687-60066			44 inch	
	Q6711-60002		T610/ T620	24 inch	
	Q6712-60001		T610	44 inch	
2	Q6683-60198	Top Cover	All except T620	24 inch	6-50
	Q6687-60062			44 inch	
	Q6711-60025		T620	24 inch	
3	Q5669-60675	Window Position Sensor	T1100/ T1100ps/ T610	All	6-53
	CK837-67025		T1120/ T1120ps/ T620		
4	Q5669-60155	Media Output Assembly	All	24 inch	6-17
	Q6659-60089			44 inch	
5	Q6683-60201	Front Cover		24 inch	6-16
	Q6687-60064			44 inch	
6	Q6683-60719	Front Panel	T1100/ T1100ps/ T610	All	6-47
	CK837-67006		T1120/ T1120ps/ T620		

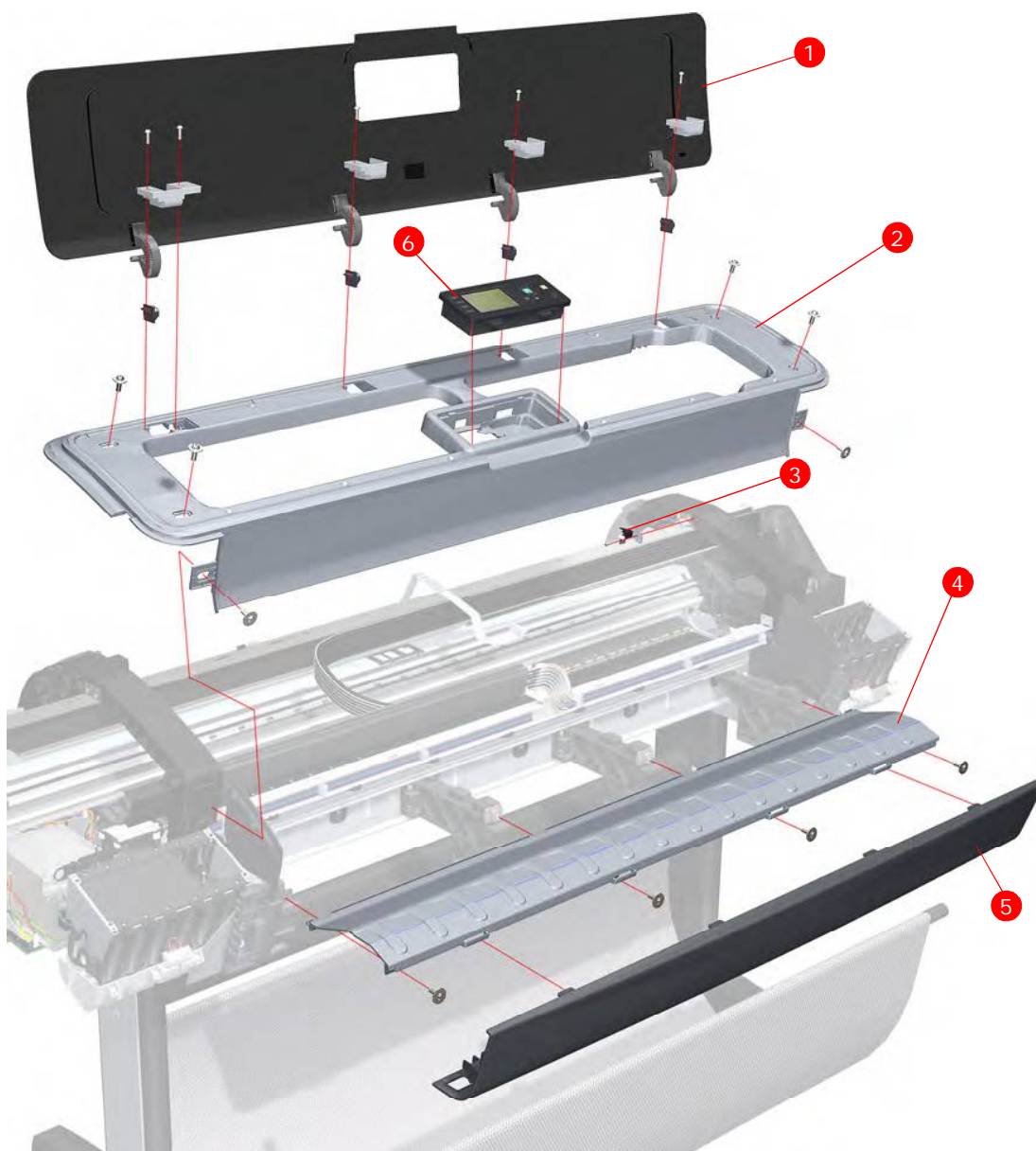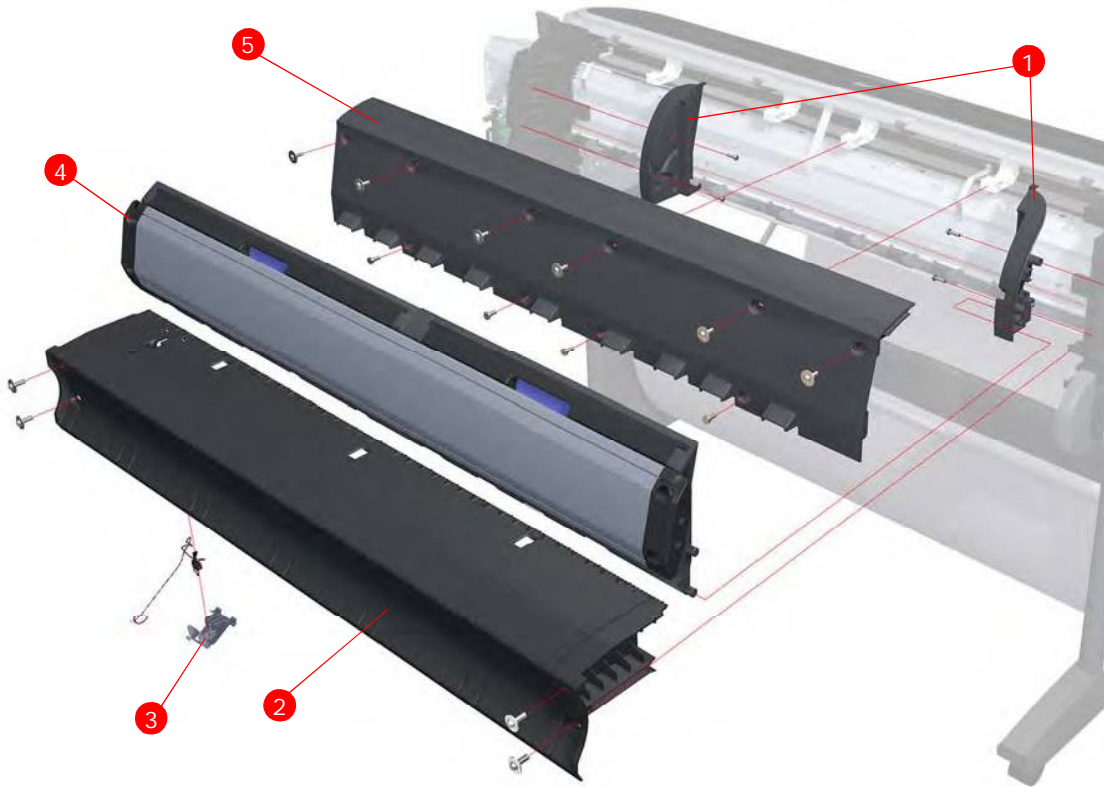a Refers to the page in the Removal and Installation Chapter

Figure 5-2: Center Covers (Front)

Center Covers (Rear)

Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	Q6683-60207	Rear Tray Supports		All	6-43
2	Q6683-67802	Clean Out Assembly	All	24 inch	6-90
	Q6687-67801			44 inch	
3	Q5669-67801	Out Of Paper Sensor		All	6-91
4	Q6683-60194	Rear Tray	T1100/ T1100ps/ T610	24 inch	6-35
	Q6687-60058			44 inch	
	CK837-67021		T1120/ T1120ps/ T620	24 inch	
	CK839-67007			44 inch	
5	Q6683-60200	Rear Cover	All	24 inch	6-36
	Q6687-60063			44 inch	

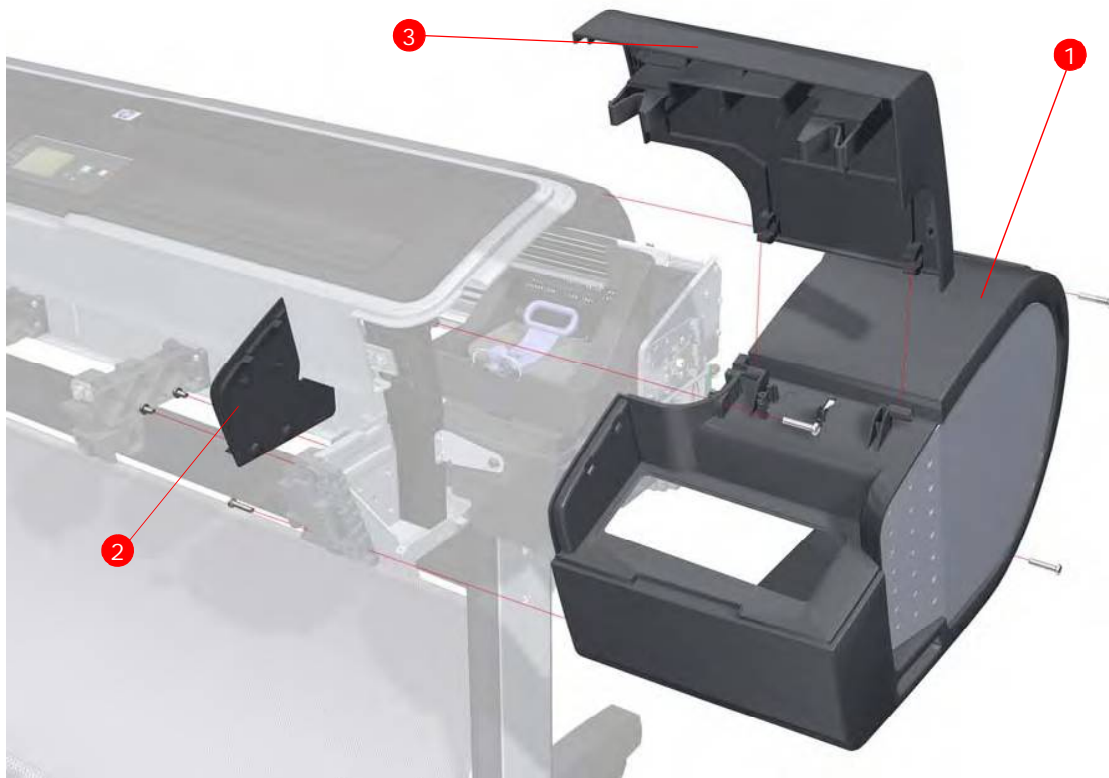a Refers to the page in the Removal and Installation Chapter

Figure 5-3: Center Covers (Rear)

Right Cover

Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	Q6683-60203	Right Cover (without Right Ink Cartridge Door)	T1100/ T1100ps/ T1120/ T1120ps	All	6-27
	Q6711-60003		T610/ T620		
2	Q6675-60109	Left Front Trim/Right Front Trim (Left not shown)	All		6-19
3	Q6683-60205	Right Ink Cartridge Door	T1100/ T1100ps		6-23
	Q6711-60004		T610		
	Q6683-60233		T1100/ T1100ps/ T610		
	CK837-67024		T1120/ T1120ps/ T620		

a Refers to the page in the Removal and Installation Chapter

Figure 5-4: Right Cover

Left Cover

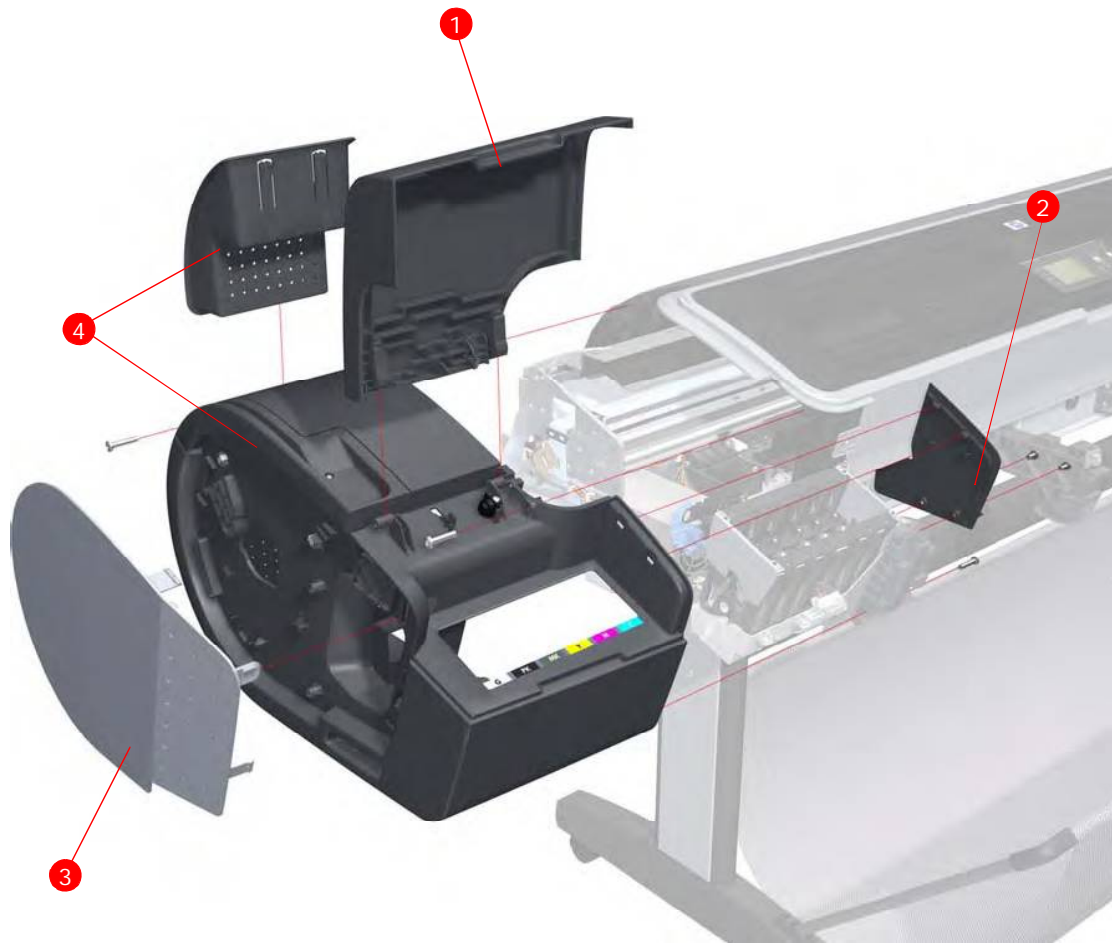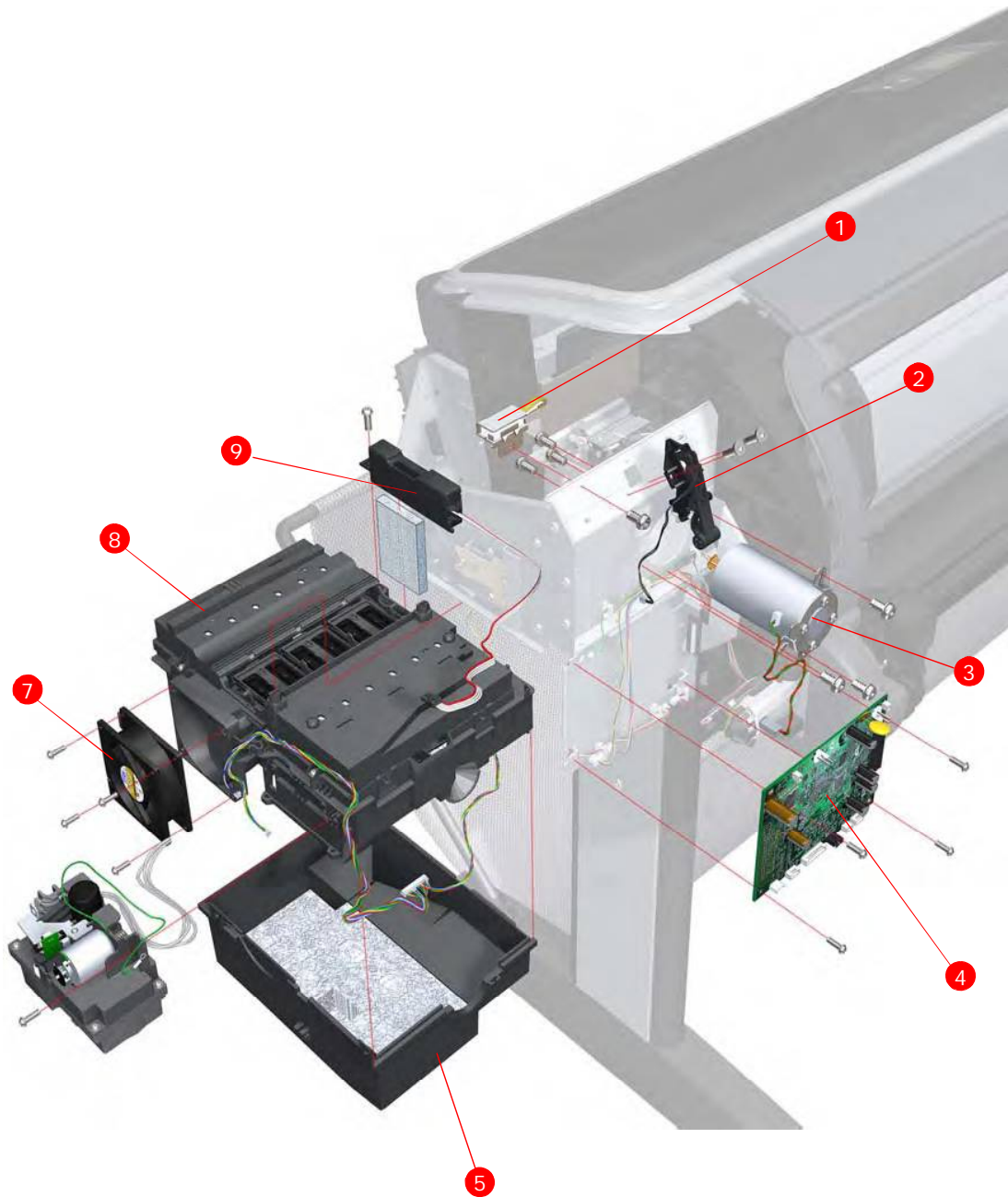| Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	Q6683-60232	Left Ink Cartridge Door	All	All	6-25
2	Q6675-60109	Left Front Trim/Right Front Trim (Right not shown)			6-21
3	Q6683-67003	Left Side Panel	T1100/ T1100ps/ T1120/ T1120ps	All	6-30
	CH539-67002		T610		
			T620	24 inch	
4	Q6683-60202	Left Cover (without Left Ink Cartridge Door & Left Side Panel)	All	All	6-30

a Refers to the page in the Removal and Installation Chapter

Figure 5-5: Left Cover

Right Hand Assemblies

Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	Q6675-60043	Carriage Rail Oiler	All	All	6-154
2	Q5669-67807	Pen to Paper Space (PPS) Solenoid			6-77
3	Q5669-60674	Scan-Axis Motor	T1100/ T1100ps/ T610		6-142 6-146
	CK837-67015		T1120/ T1120ps/ T620		
4	Q6683-60190	Printmech PCA	T1100/ T1100ps/ T610		6-73
5	Q5669-60667	Service Station Spittoon			6-65
7	Q5669-60664	Aerosol Fan Assembly (Some units may not have an aerosol fan. If a unit does not have an aerosol fan, it does not need to be connected.)			6-71
8	Q6683-60187	Service Station (Includes Drop Detector, Aerosol Fan Assembly, Printmech PCA, and Service Station Spittoon)			6-61 6-65
	CK837-67022	Service Station (Includes Drop Detector, and Service Station Spittoon)	T1120/ T1120ps/ T620		
9	Q5669-60666	Drop Detector	All		6-69

a Refers to the page in the Removal and Installation Chapter
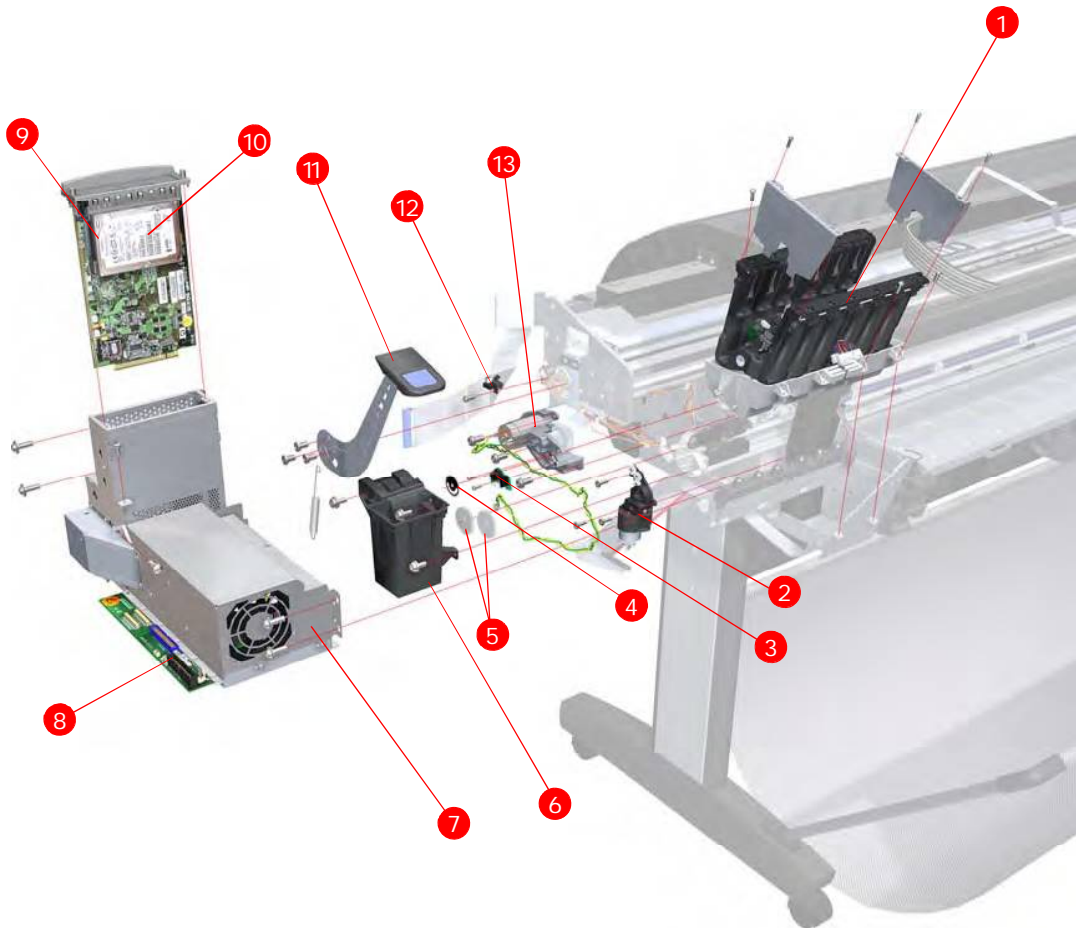
Figure 5-6: Right Hand Assemblies

Left Hand Assemblies

Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	Q6683-60188	Left Ink Supply Station	All	All	6-187
2	Q6718-67017	Starwheel Motor	All		6-251
3	Q5669-60703	Encoder Sensor	T1100/ T1100ps/ T610		6-222
	CK837-67020		T1120/ T1120ps/ T620		
4	Q5669-60702	Encoder Disk	All		6-222
5	Q5669-60700	Media Advance Transmission	T1100/ T1100ps/ T610		6-224
	CK837-67019		T1120/ T1120ps/ T620		
6	Q5669-67049	Left Spittoon	All		6-220
7	Q5669-60693	Power Supply Unit (PSU) Assembly	T1100/ T1100ps/ T610		6-206 6-209
	Q6718-67005		T1120/ T1120ps/ T620		
8	Q6683-60192	Main PCA with Power Supply Unit (PSU) Assembly	T1100/ T1100ps/ T610	24 inch	6-206 6-209
	Q6687-60057			44 inch	
	CK837-67007		T1120/ T1120ps/ T620	24 inch	
	CK839-67001			44 inch	
9	Q6683-60021	Formatter (with Hard Disk Drive. Printers manufactured after February 2008)	T1100	All	6-204
	Q6711-60024		T610		
	Q6684-60008	Formatter SV (without Hard Disk Drive)	T1100ps		
	CK837-67026		T1120/ T1120ps/ T620		
10	CK837-67009	SATA Hard Disk Drive SV	T1120/ T1120ps		6-204
	CK835-67002		T620		
11	Q5669-60705	Media Lever	All		6-37
12	Q5669-60706	Media Lever Position Sensor	All		6-40

13	Q5669-60704	Media Advance Drive	T1100/ T1100ps/ T610		6-224

a Refers to the page in the Removal and Installation Chapter

For information about changes to the formatter design, see New Formatter Design on page 5-32.

Figure 5-7: Left Hand Assemblies

Carriage Assembly (T1100/T1100ps/T610)

Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	Q5669-60689	Carriage PCA Covers	T1100/ T1100ps/ T610	All	6-127
2	Q5669-60685	Carriage Latch			6-167
3	Q6683-60189	Carriage Cover (includes Carriage Latch)			6-167
4	Q6683-60191	Carriage PCA			6-182
5	Q6683-67004	Line Sensor			6-161
6	Q5669-60687	Carriage Rear Bushing			6-137
7	Q5669-67052	Trailing Cable		24 Inch	6-102
	Q6659-67015			44 Inch	
1 - 6	Q6683-67017	Carriage Assembly (includes: Line Sensor, Carriage Cover, Carriage Latch, Carriage PCA, Carriage Rear Bushing and Trailing Cable)		24 inch	6-127
	Q6687-67009			44 inch	

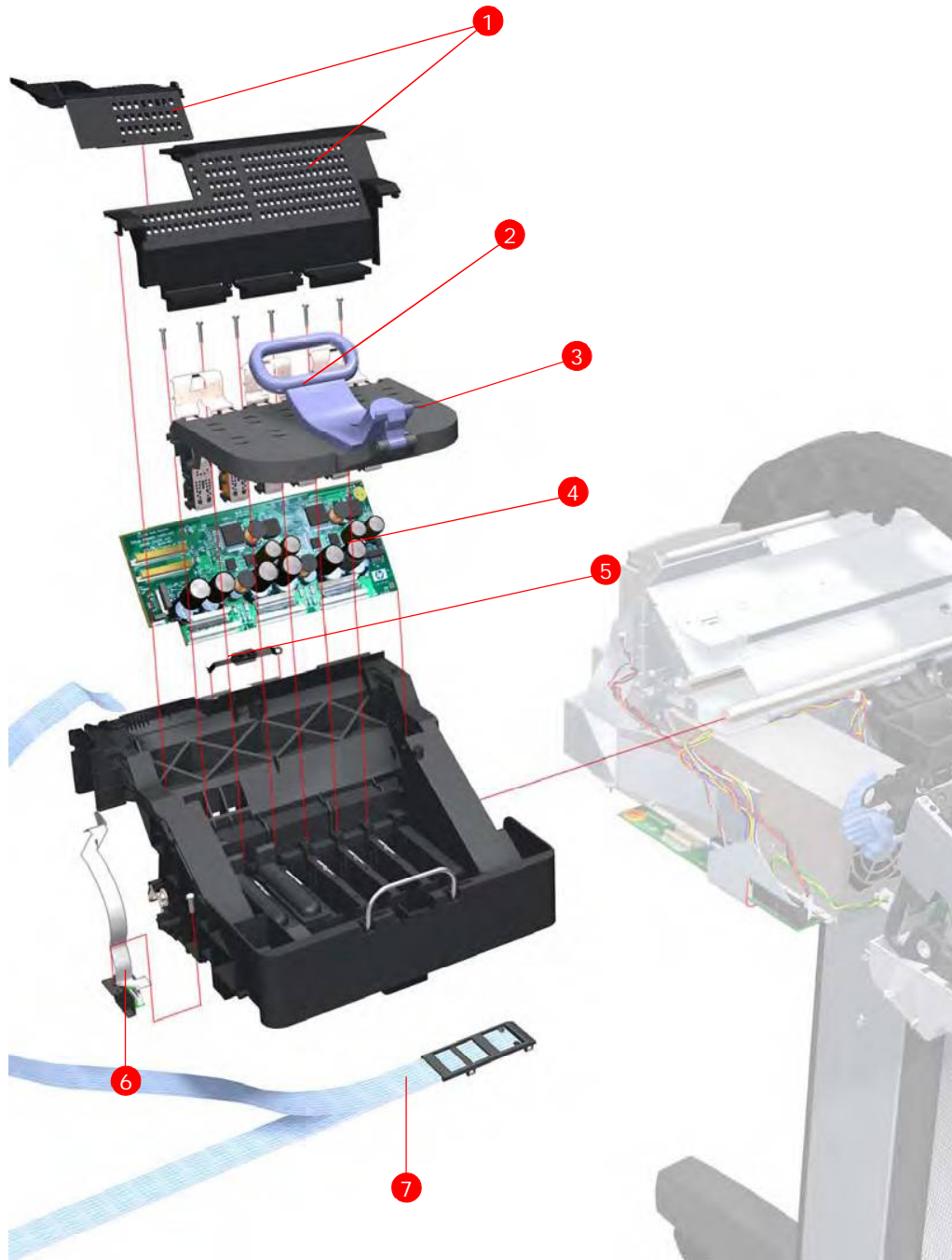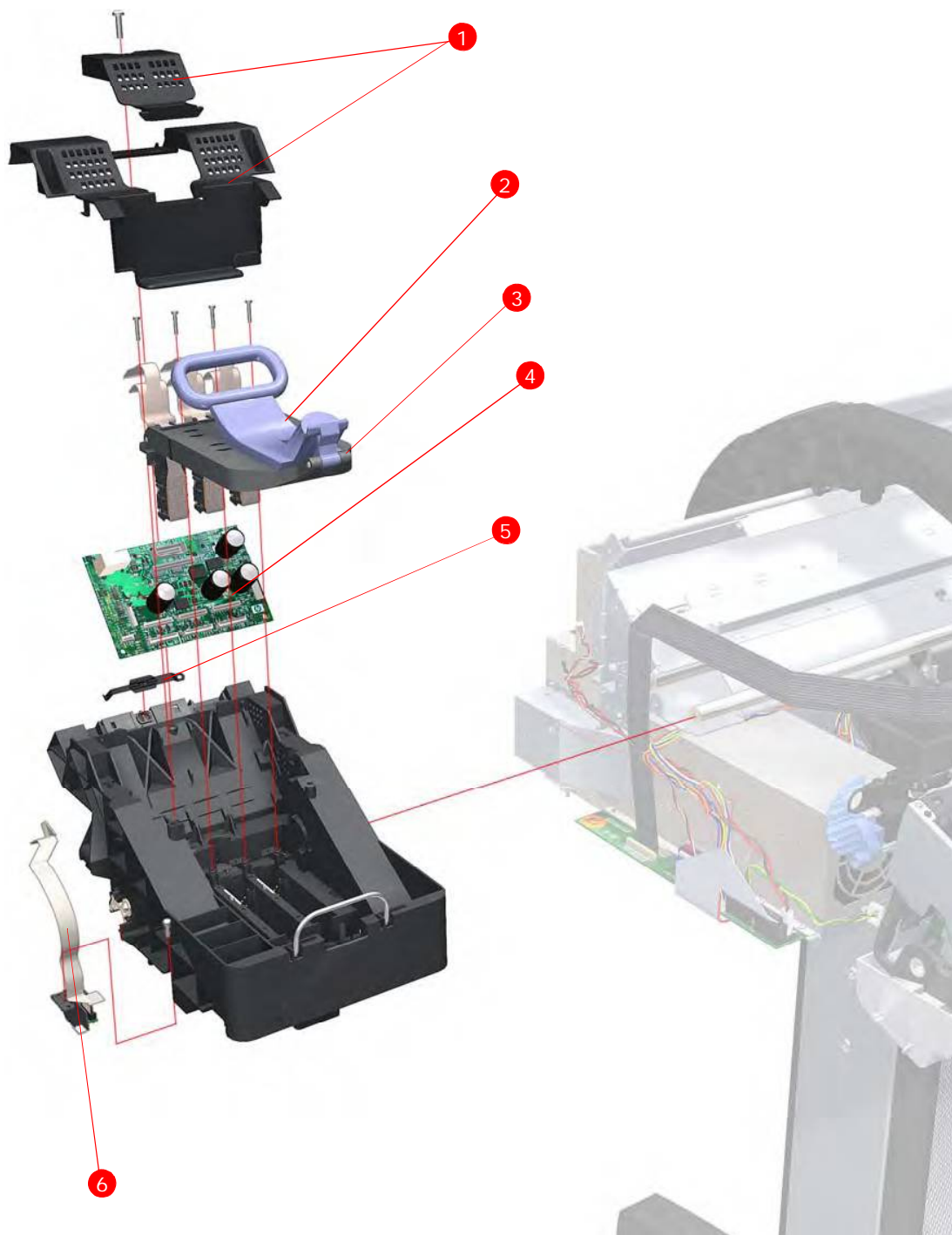a Refers to the page in the Removal and Installation Chapter

Figure 5-8: Carriage Assembly (T1100/T1100ps/T610)

Carriage Assembly (T1120/T1120ps/T620)

Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	CK837-67028	Carriage PCA Covers	T1120/ T1120ps/ T620	All	6-127
2	CK837-67001	Carriage Latch			6-167
3	CK837-67002	Carriage Cover (includes Carriage Latch)			6-167
4	CK837-67005	Carriage PCA			6-182
5	Q6683-67004	Line Sensor			6-161
6	Q5669-60687	Carriage Rear Bushing			6-137
1 - 6	CK837-67027	Carriage Assembly			6-127

*a Refers to the page in the Removal and Installation Chapter*

Figure 5-9: Carriage Assembly (T1120/T1120ps/T620)

Scan-Axis Assemblies (T1100/T1100ps/T610)

Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	Q6683-60195	Ink Supply Tubes	T1100/ T1100ps/ T610	24 inch	6-197
	Q6687-60059			44 inch	
2	Q6683-60242	Encoder Strip (including Encoder Strip Spring and Nut)		24 inch	6-99
	Q6687-60094			44 inch	
3	Q5669-60673	Belt Assembly		24 inch	6-141
	Q6659-60175			44 inch	
4	Q6687-60094	Trailing Cable and Carriage PCA Cover		24 inch	6-99
	Q6659-67015			44 inch	
-	Q5669-60679	Encoder Strip (including Encoder Strip Spring and Nut) - 50 units		24 inch	6-99
	Q6659-60176			44 inch	

a Refers to the page in the Removal and Installation Chapter
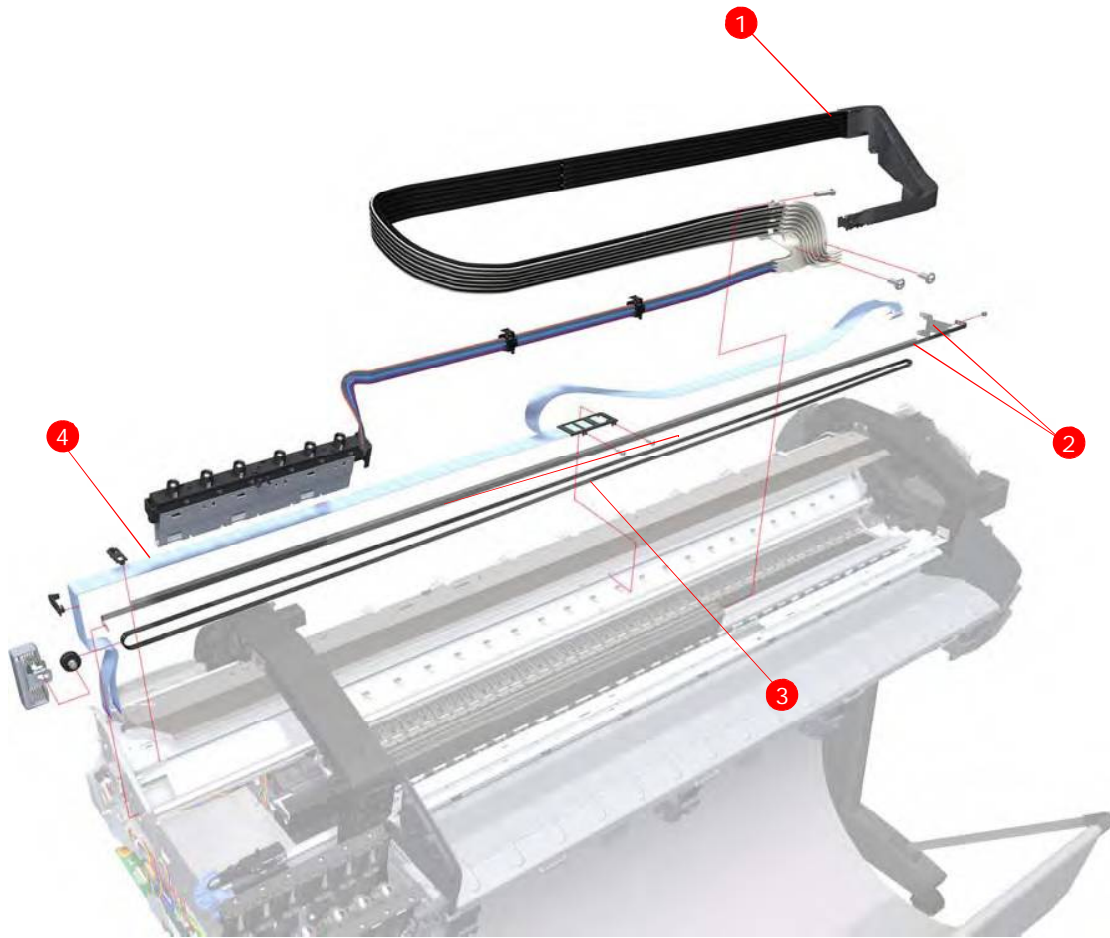
Figure 5-10: Scan-Axis Assemblies (T1100/T1100ps/T610)

Scan-Axis Assemblies (T1120/T1120ps/T620)

Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	CK837-67017	Encoder Strip (including Encoder Strip Spring and Nut)	T1120/ T1120ps/ T620	24 inch	6-99
	CK839-67005			44 inch	
2	Q5669-60673	Belt Assembly		24 inch	6-141
	Q6659-60175			44 inch	
3	Q5669-60672	Belt Tensioner		All	6-141
4	CK837-67014	Ink Supply Tubes and Trailing Cable		24 inch	
	CK839-67003			44 inch	

*a Refers to the page in the Removal and Installation Chapter*

Figure 5-11: Scan-Axis Assemblies (T1120/T1120ps/T620)

Paper Path Assemblies (Front)

Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	Q6683-60196	Starwheel Assembly	All	24 inch	6-214
	Q6687-60060			44 inch	
2	Q6675-60042	Print Zone Overdrive		24 inch	6-216
	Q6677-60018			44 inch	
3	Q5669-67054	Starwheel Lifter		All	6-243
4	Q5669-60713	Cutter Assembly			6-42
5	Q5669-60701	Full Bleed Foam Kit		24 inch	6-253
	Q6659-60182			44 inch	

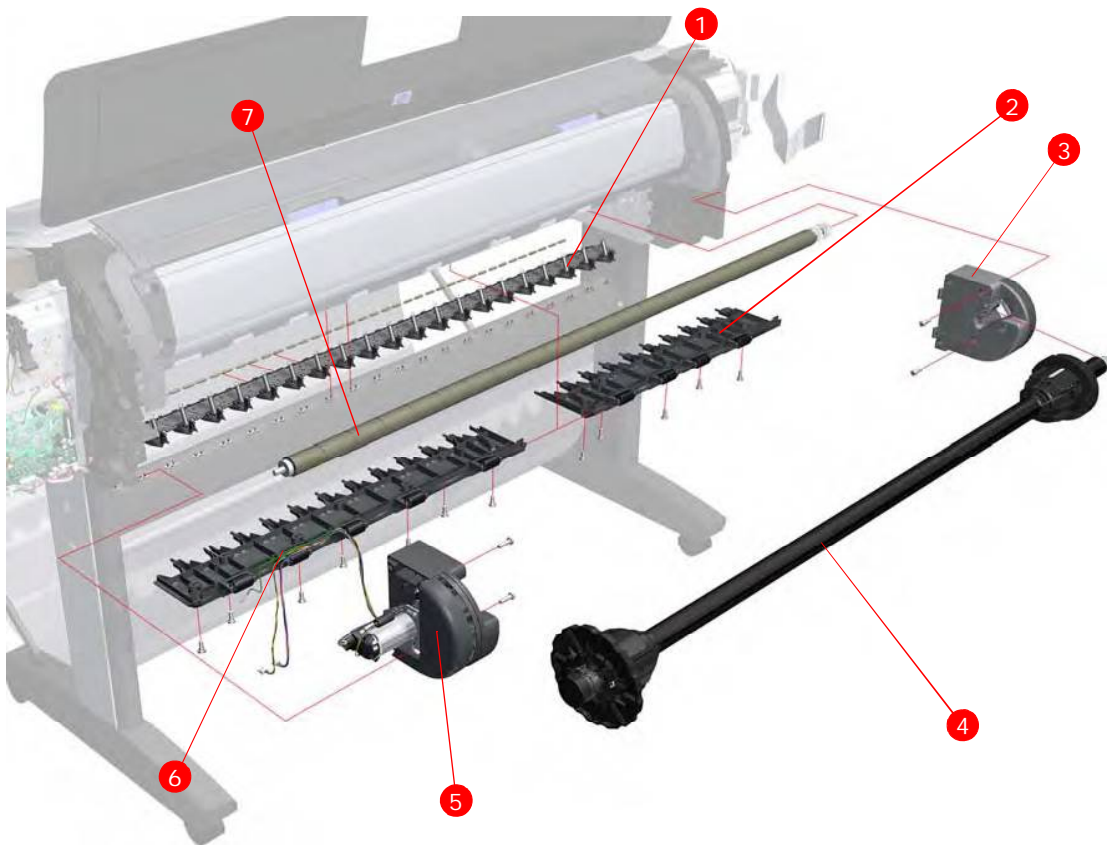a Refers to the page in the Removal and Installation Chapter
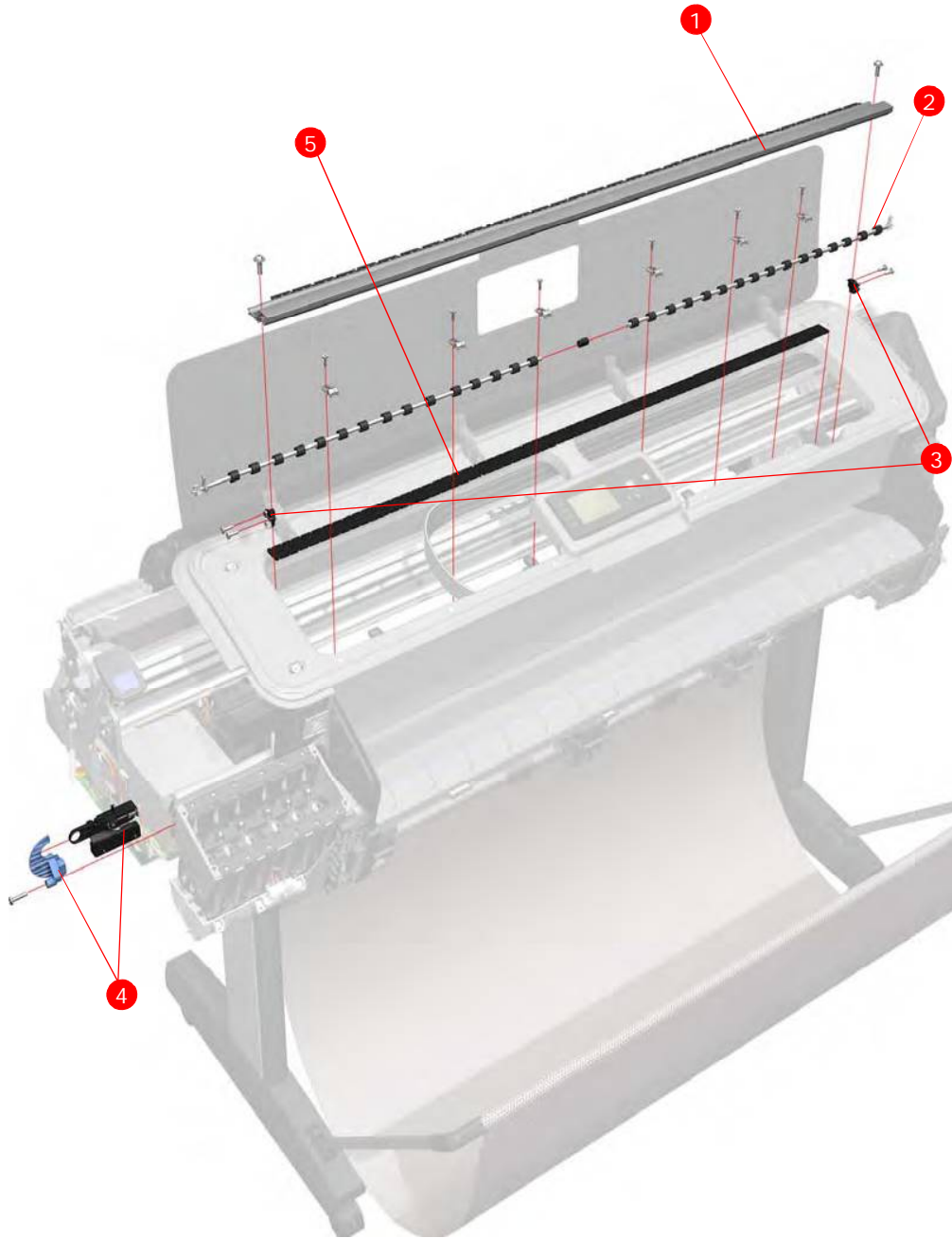
Figure 5-12: Paper Path Assemblies (Front)

Paper Path Assemblies (Rear)

Reference on Figure	HP Part Number	Part Description	Printer Model	Size	Page[a]
1	Q6687-60085	Pinchwheel Assembly	All	All	6-235
2	Q6677-60019	Left Roll Guide		44 inch	6-94
3	Q6687-60082	Left Spindle Holder		All	6-80
4	Q5669-60710	Spindle		24 inch	6-79
	Q6687-67001			44 inch	
5	Q6683-67009	Right Spindle Holder		24 inch	6-81
	Q6687-67004	Right Spindle Holder (rewinder included)	T1100/ T1100ps/ T610	44 inch	6-87
	CK839-67002	Right Spindle Holder (rewinder included)	T1120/ T1120ps	44 inch	6-87
6	Q6675-60044	Right Roll Guide	All	All	6-95
7	Q6683-67005	Media Advance Roller		24 inch	6-229

a Refers to the page in the Removal and Installation Chapter

Figure 5-13: Paper Path Assemblies (Rear)

Tool Kits

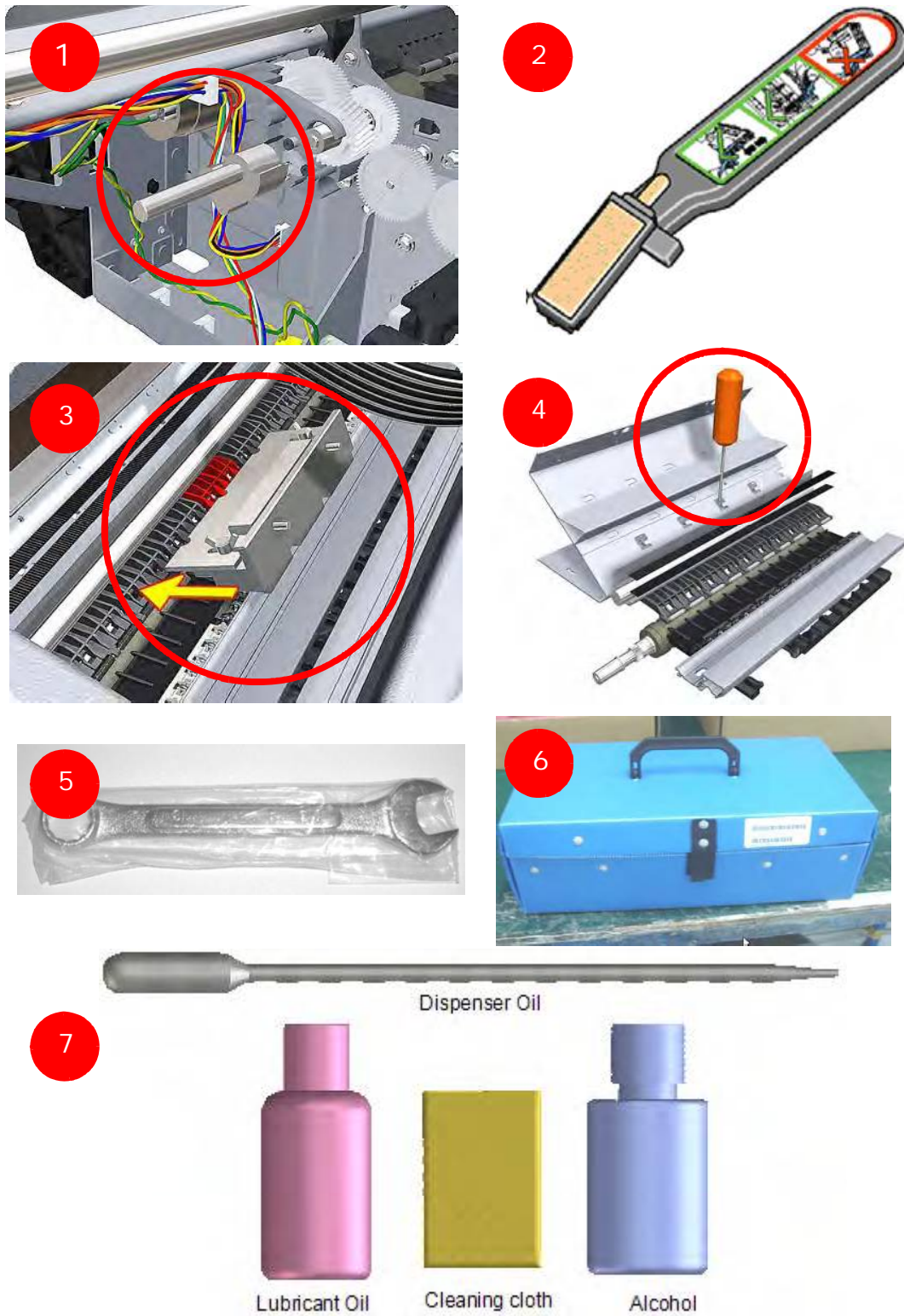| Reference on Figure	HP Part Number	Part Description	Printer Model	Size
1	Q6675-67018	Media Driver Tool Kit (includes the Handle for Media Driver Tool Support and the Media Driver Adjustment Tool)	All	All
2	Q5669-60690	Flex Contacts Cleaning Tool		
3-4	Q6687-60084	Pinchwheel Insertion Tool		
5	Q6675-67017	Spanner Tool		
6	Q6683-67001	Tool Kit (includes pincwheel alignment tool, media driver tool, spanner # 13, oil dispenser, insert spring tool, tweezers, T15 screwdriver, 100cc Isopropyl Alcohol, lubricant oil, plastic gloves, flex contacts cleaning tool and cleaning kit)		
7	Q5669-60692	Lubrification Kit		

Dispenser Oil

Lubricant Oil   Cleaning cloth   Alcohol

Figure 5-14: Tool Kits

Miscellaneous Parts

HP Part Number	Part Description	Printer Model	Size
Q6683-67018	Preventive Maintenance Kit #1	T1100/ T1100ps/ T610	24 inch
Q6687-67008			44 inch
CK837-67018		T1120/ T1120ps/ T620	24 inch
CK839-67006			44 inch
Q6683-60187	Preventive Maintenance Kit #2 (Service Station)	T1100/ T1100ps/ T610	All
CK837-67022		T1120/ T1120ps/ T620	
Q5669-60713	Preventive Maintenance Kit #3 (Cutter)	All	
Q6683-60241	Paper Advance Calibration Kit		24 inch
Q6687-60093			44 inch
Q6675-60092	Harness Cables (includes Left ISS, Right ISS, Printmech PCA 24 inch and 44 inch)	T1100/ T1100ps/ T610	All
CK837-67008	Harness Cables (includes Left ISS, Right ISS, 24 inch and 44 inch)	T1120/ T1120ps/ T620	
Q6683-60213	Serial Number Label	All	
Q6675-67004	Ink System Purgers (6 Units)		
Q6675-67005	Ink System Purgers (100 Units)		
Q6675-67006	Double Sided Adhesive Pad		

New Formatter Design

There are two modifications to the new Formatter. Note that these changes do not effect the printer's performance.

■ The current hard disk included in the Formatter PCA has been changed to a new type (SATA). To accommodate this new disk on the board, the orientation of the disk has been rotated and the connectors have been modified.

■ The RAM memory included in the Formatter PCA has been moved from a memory module inserted in a slot to a new version integrated in the board, found under the hard disk.

The photos below show the difference between the two styles of formatters (old and new)

Disk changed and rotated   **Memory embedded in PCA**
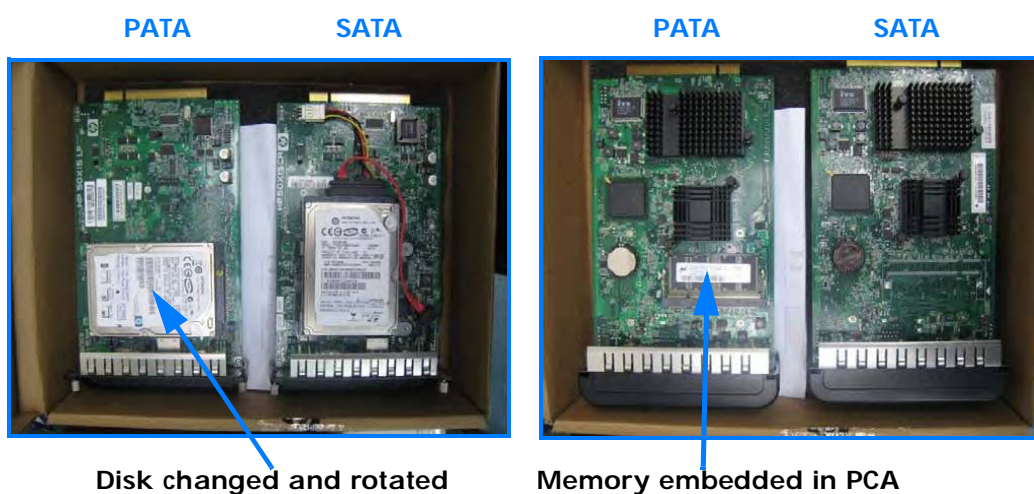
Only the following firmware supports the new style of Formatter:

■ HP Designjet T610 and T1100 printers with the firmware 6.0.0.4 onwards.

■ HP Designjet Z2100 and Z3100 printers with the firmware 6.0.2.1 onwards.