7

Parts and Diagrams

Exchange Assemblies

Exchange assemblies are factory-repaired and tested assemblies that you can order; they are listed in the following table. Exchange assemblies are available only on a trade-in basis; therefore, you must return the defective assemblies for credit.

Exchange Assemblies

HP Part Number	Qty	Description
C4713-60037	1	Electronics Module

Replacement Parts

Parts shown in the drawings in this chapter are listed in the corresponding part lists. Match the appropriate number on the drawing with the same number in the parts list for information on that part. The total quantity for each part on the drawing is given as well as the part number.

To obtain replacement parts, contact the nearest HP Support Office. You must include the part number and part description in the order you send. Also include the Printer model and serial number.
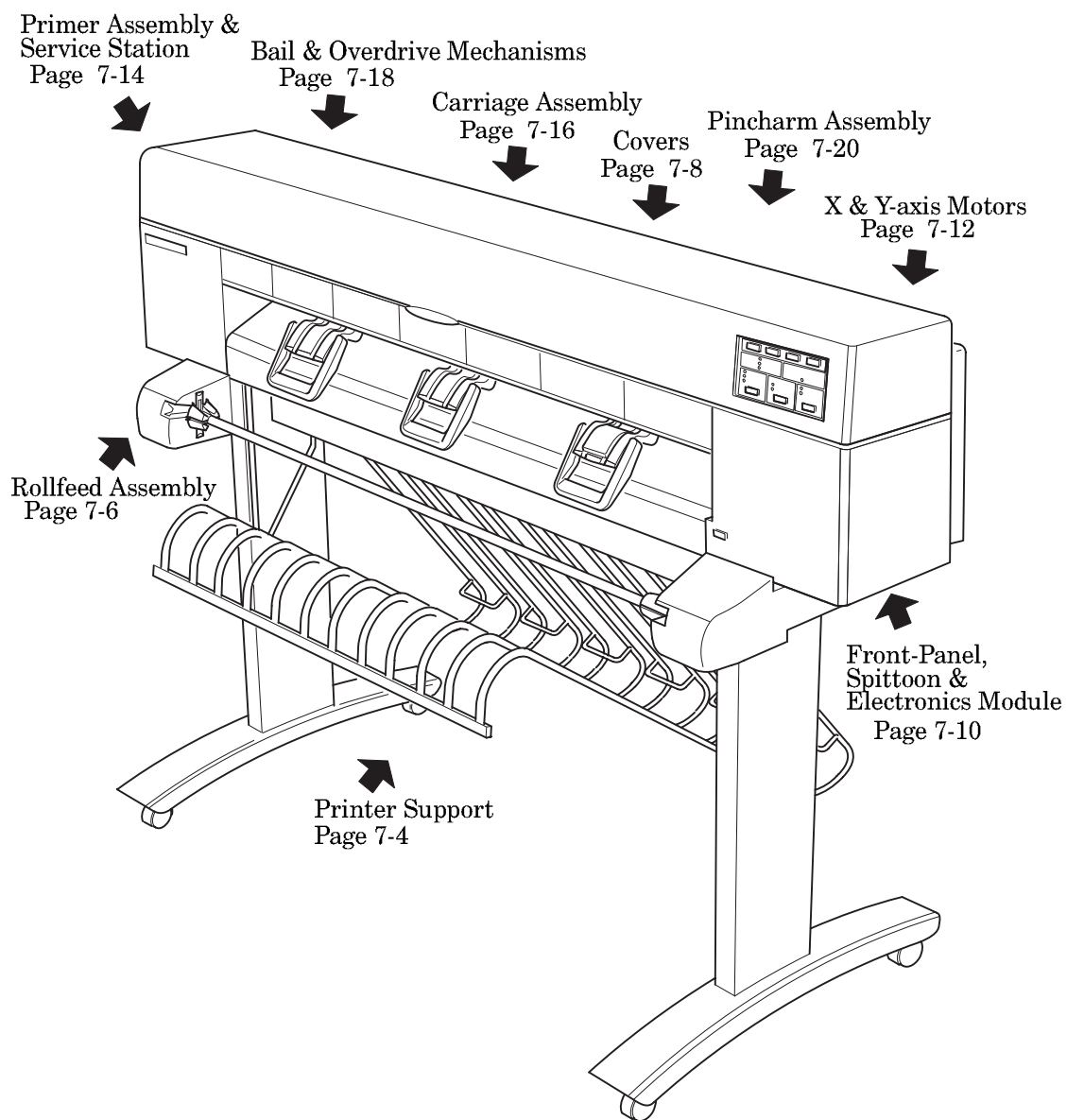
Primer Assembly &
Service Station
Page 7-14

Bail & Overdrive Mechanisms
Page 7-18

Carriage Assembly
Page 7-16

Covers
Page 7-8

Pincharm Assembly
Page 7-20

X & Y-axis Motors
Page 7-12

Rollfeed Assembly
Page 7-6

Front-Panel,
Spittoon &
Electronics Module
Page 7-10

Printer Support
Page 7-4

Figure 1 - General View

Figure 2 - Printer Support

Reference on Drawing	HP Part Number	Quantity	Description
1	C4704-60095	1	Hardware Kit (Includes Screw Drivers)
2	C4704-60086	2	Foot Assembly
3	C4704-60075	2	Legs Assembly
4	C6069-60002	1	X-axis Brace (D/A1-size)
	C4704-60077	1	X-axis Brace (E/A0-size)
5	C6069-40001	1	End Cap (D/A1-size)
	C4704-40070	1	End Cap (E/A0-size)
6	C6069-60001	1	X Bar Assembly (D/A1-size)
	C4704-60074	1	X Bar Assembly (E/A0-size)
7	C4704-60073	6	Paper Loop Assembly

Figure 2 - Printer Support

Figure 3 - Rollfeed Assembly

Reference on Drawing	HP Part Number	Quantity	Description
1	C4717-60004	1	Rollfeed Hardware Kit
2	C4717A	1	Rollfeed Assembly (D/A1-size) (Includes Spindle, Hardware kit and Hubs)
	C4719A	1	Rollfeed Assembly (E/A0-size) (Includes Spindle, Hardware kit and Hubs)
3	C4717-60003	1	Spindle (D/A1-size)
	C4719-60003	1	Spindle (E/A0-size)
4	C4717-40017	2	Spindle Hub
	C4713-60120	1	Spindle Hub Kit (for Chinese Spindles only)
5	C4713-60038	1	Extensions Kit Assembly

Figure 3 - Rollfeed Assembly

Figure 4 - Covers

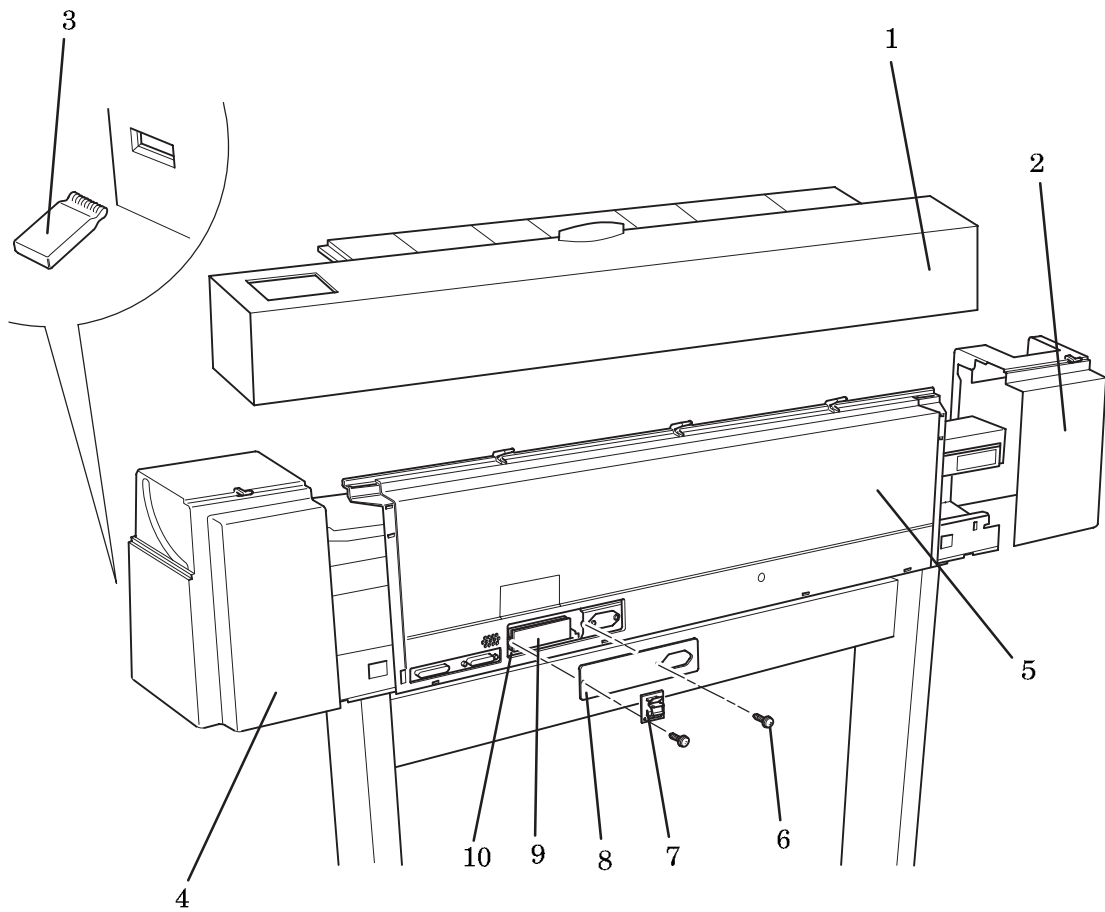| Reference on Drawing	HP Part Number	Quantity	Description
1	C4713-60014	1	Top Cover (D/A1-size)
	C4714-60014	1	Top Cover (E/A0-size)
2	C4713-40029	1	Left End Cover
3	C4713-40046	1	Switch Button
4	C4713-60030	1	Right End Cover
5	C4713-60097	1	Back Cover (D/A1-size)
	C4714-60097	1	Back Cover (E/A0-size)
6	0515-2246	2	Screw Torx M3
7	C4699-60072	1	Cable Cip Assembly
8	C4713-00011	1	SIMM Cover Plate
9	See Page 7-26	1	RAM SIMM
10	C4713-60125	1	ROM SIMM (Version A.01.03)

Figure 4 - Covers

Figure 5 - Front Panel, Spittoon and Electronics Module

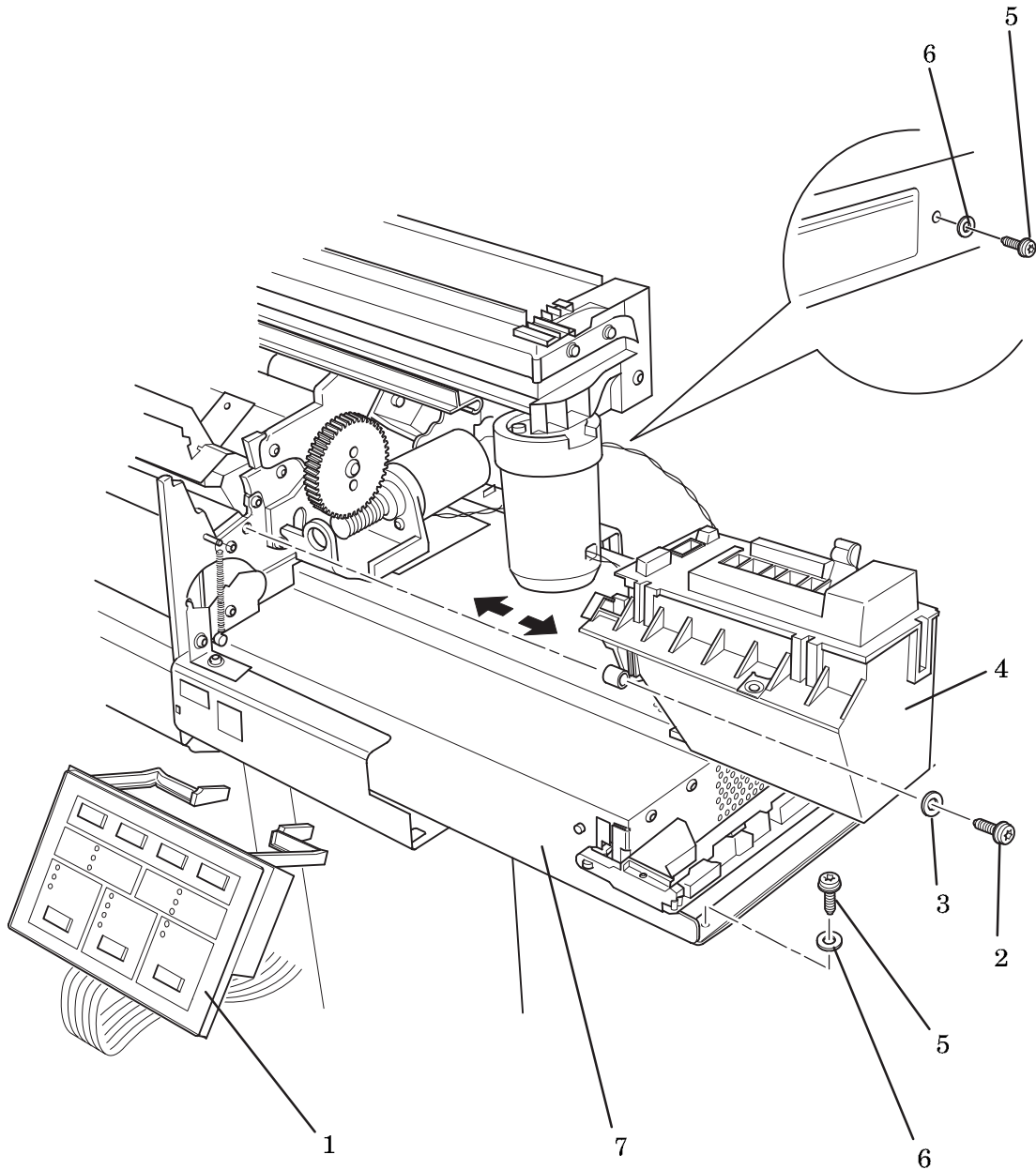| Reference on Drawing	HP Part Number	Quantity	Description
1	C4713-60091	1	Front-Panel Assembly
2	0515-1743	1	Screw
3	-	1	Washer (Included with Item 2)
4	C4713-60017	1	Spittoon Assembly
5	0515-2282	2	Screw
6	-	2	Washer (Included with Item 5)
7	C4713-60037	1	Electronics Module

Figure 5 - Front Panel, Spittoon and Electronics Module

Figure 6 - X and Y axis Motors and Encoder Strip

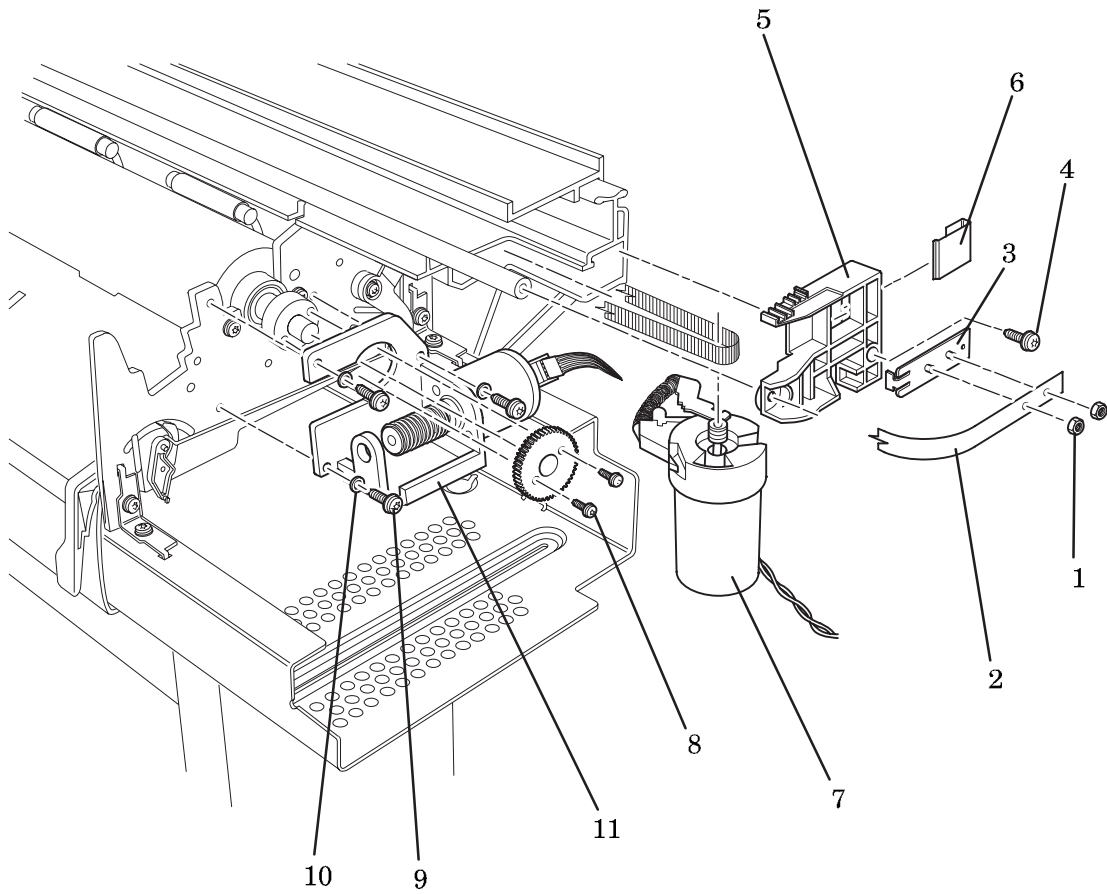| Reference on Drawing	HP Part Number	Quantity	Description
1	0535-0031	2	Nut
	3050-1267	2	Washer
2	C4713-60098	1	Encoder Strip (D/A1-size)
	C4714-60098	1	Encoder Strip (E/A0-size)
3	C4699-00016	1	Encoder Spring
4	0515-2765	1	Screw M4.2 x 35 Pan Torx stl
5	C4713-40017	1	Right Bracket
6	C3190-00013	1	Right Strap (clip)
7	C4713-60092	1	Carriage-Motor Assembly
8	0515-1349	2	Screw M3 x 30 Mach T10
9	0515-2248	3	Screw
10	-	3	Washer (Included with Item 9)
11	C4713-60094	1	Media-Motor Assembly (Includes Helical Gear)
12	C3180-60012	1	Media-Motor Cable
-	6040-0858	AR	Lubricant
-	C3190-60155	AR	Lubricant Grease

Fig 6 - X and Y axis Motors and Encoder Strip

Figure 7 - Primer Assembly and Service Station Assembly

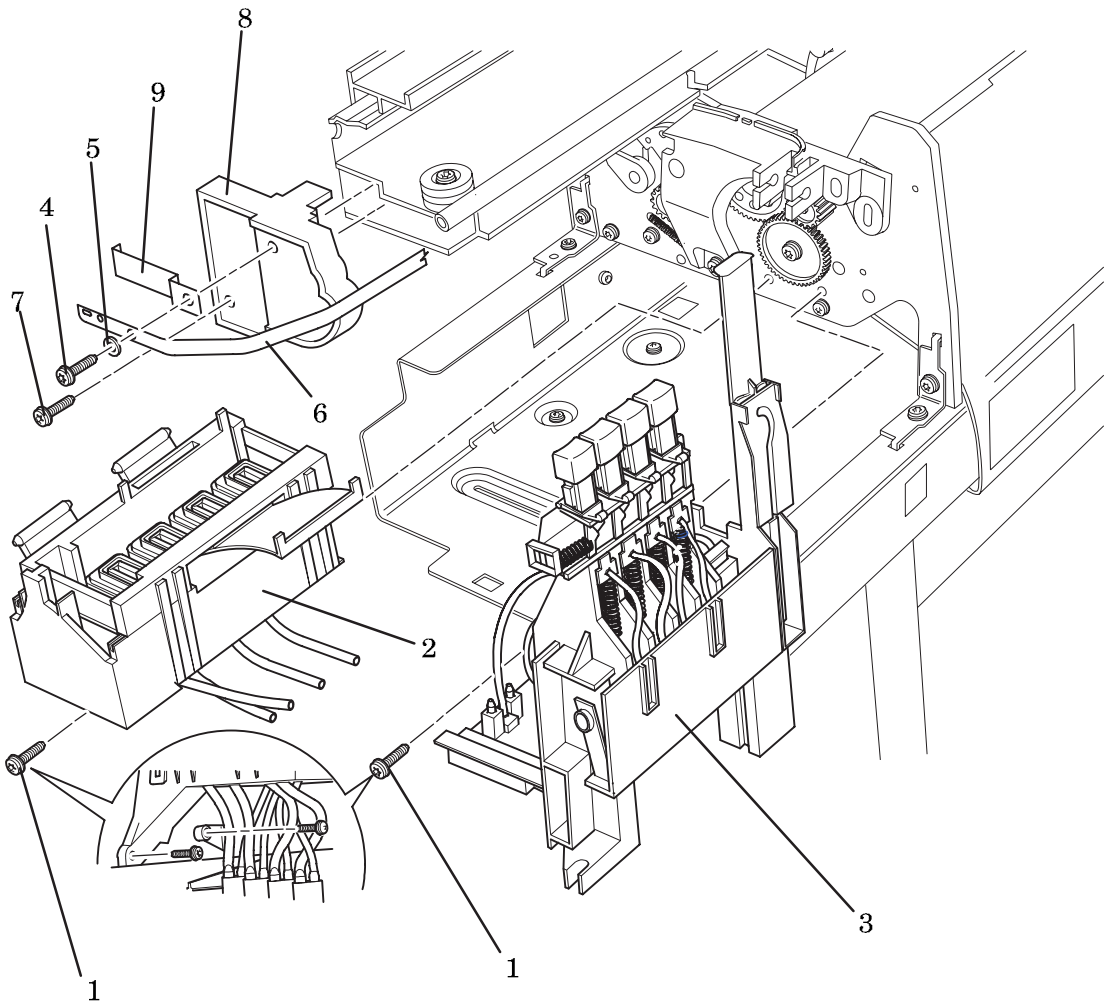| Reference on Drawing	HP Part Number	Quantity	Description
1	0515-1743	2	Screw M4 x 17 Tap 20
2	C3190-60142	1	Service Station Assembly
3	C4713-60023	1	Primer Assembly
4	0624-0704	1	Screw 6-19 .375 Plas T15
5	3050-1267	1	Washer
6	C4713-60098	1	Encoder Strip (D/A1-size)
	C4714-60098	1	Encoder Strip (E/A0-size)
7	0515-2765	1	Screw M4.2 x 35 Pan Torx stl
8	C3190-40040	1	Left Bracket
9	C3190-00012	1	Left Strap (clip)
-	C4713-40042	1	Primer Cover (DesignJet 430)

Figure 7 - Primer Assembly and Service Station Assembly

Figure 8 - Carriage Assembly and Trailing Cable

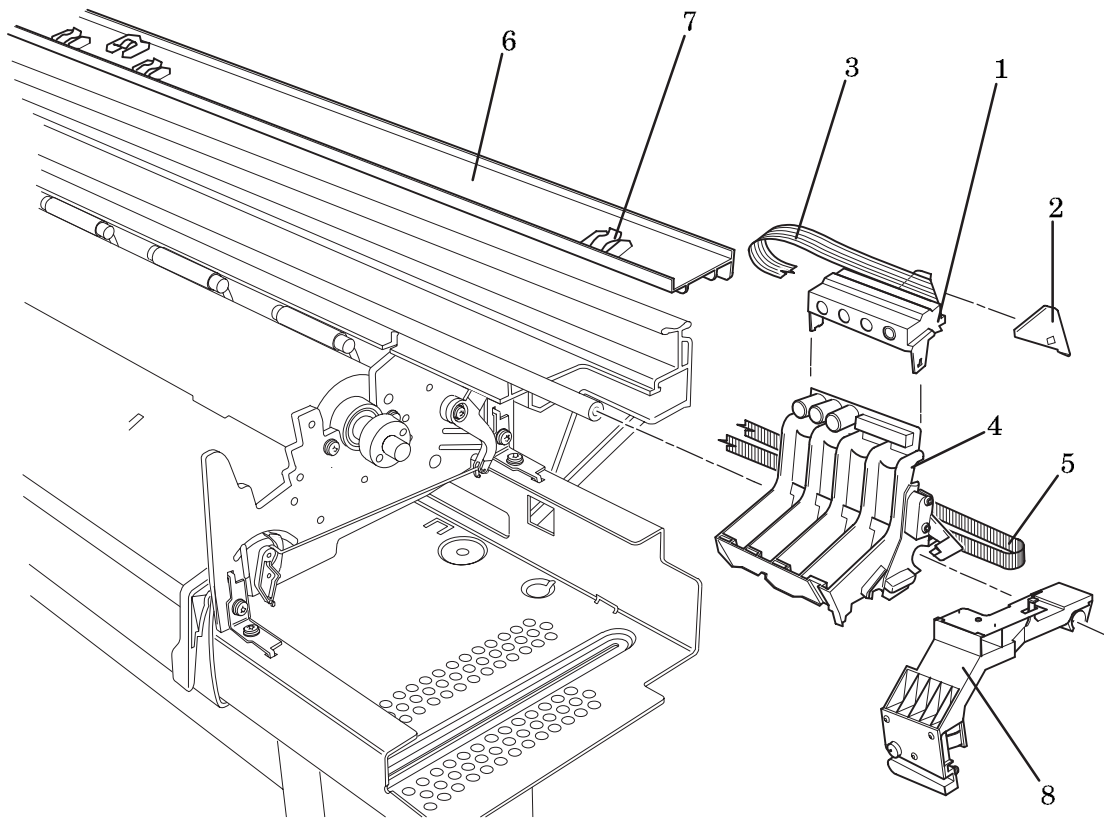| Reference on Drawing	HP Part Number	Quantity	Description
1	C4713-40038	1	Carriage Top
2	C3190-00086	1	Trailing-Cable Metal Clip
3	C3190-60038	1	Trailing Cable Assembly (D/A1-size)
	C3191-60038	1	Trailing Cable Assembly (E/A0-size)
4	C4713-60039	1	Carriage Assembly
5	C4705-60082	1	Carriage Belt (D/A1-size)
	C4706-60082	1	Carriage Belt (E/A0-size)
6	C4699-60052	1	Trailing Cable Guide (D/A1-size)
	C4700-60052	1	Trailing Cable Guide (E/A0-size)
7	1400-1021	4	Trailing Cable Plastic Clip
8	C4713-60040	1	Cutter Assembly
-	C4701-40001	1	Cartridge Cover (DesignJet 430)

Figure 8 - Carriage Assembly and Trailing Cable

Figure 9 - Bail and Overdrive Mechanisms

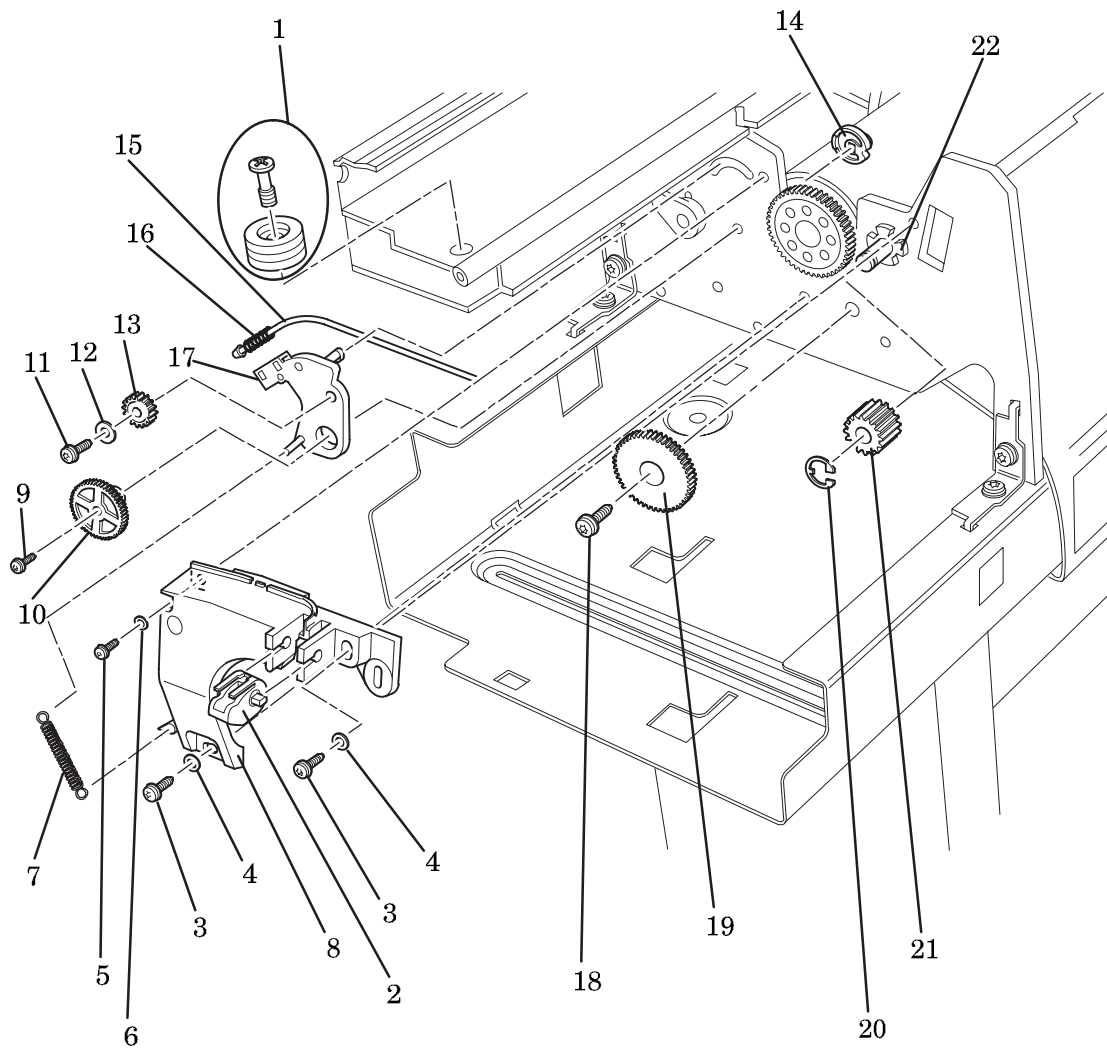| Reference on Drawing	HP Part Number	Quantity	Description
1	C3190-60132	1	Pulley Assembly
2	C3190-40022	1	Engaging Lever
3	0515-1743	2	Screw M4 x 10 Tap T20
4	-	2	Washer (Included with Item 3)
5	0515-2200	1	Screw M3 x 8 Tap T10
6	-	1	Washer (Included with Item 5)
7	07575-80012	1	Gear-Support Spring
8	C4713-40016	1	Engaging-Lever Support
9	0624-0617	1	Screw 6-9 .937 Plast T15
10	C3190-40019	1	Cam Gear
11	0624-0745	1	Screw
12	3050-0026	1	Washer
13	C1633-40027	1	Engaging Gear
14	C3190-40020	1	Bail-Lift Cam
15	C3190-60007	1	Bail Cable
16	C3190-80013	1	Cable Spring
17	C3190-40021	1	Gear Support
18	C2847-20017	1	Shoulder Screw
19	C1633-40019	1	Overdrive Gear
20	0515-0083	1	Ring Net .250 OD
21	C3190-60131	1	Clutch Assembly
22	C4713-40030	1	Sideplate Bushing

Figure 9 - Bail and Overdrive Mechanisms

Figure 10 - Pincharm Assembly

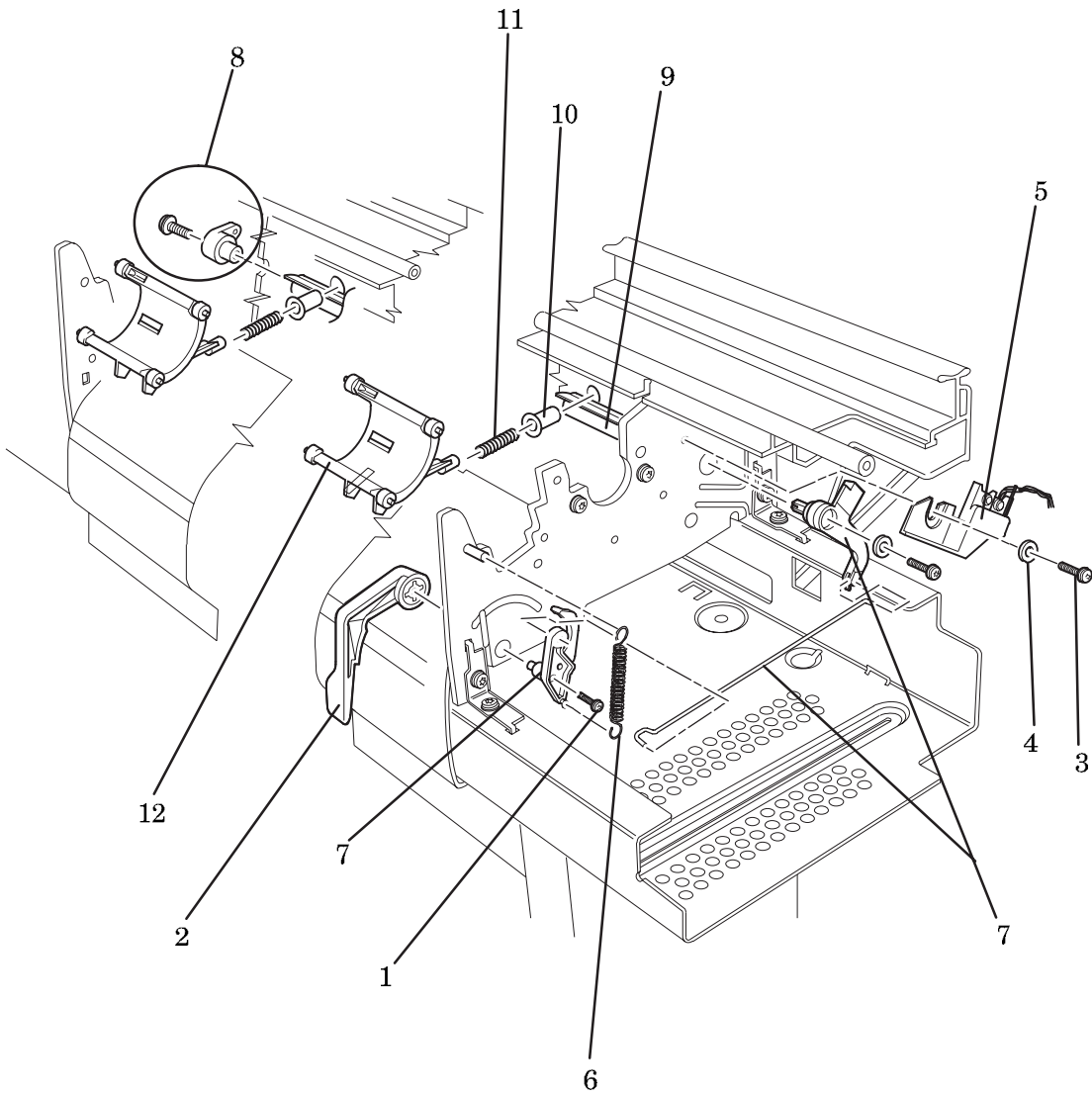| Reference on Drawing	HP Part Number	Quantity	Description
1	0624-0771	1	Screw M3 x 30 Mach T10
2	C4713-40025	1	Pincharm Lever
3	0515-2282	1	Screw
4	-	1	Washer (Included with Item 3)
5	C4713-60034	1	Pincharm Sensor Assembly
6	C4713-80003	1	Pincharm Mechanical Spring
7	C4713-60116	1	Right Cam Journal Assembly
8	C3190-60149	1	Left Cam Journal Assembly
9	C2847-20005	1	Pincharm Bar Cam (D/A1-size)
	C1633-20012	1	Pincharm Bar Cam (E/A0-size)
10	C1633-40082	5	Pincharm Bar Bushing (D/A1-size)
	C1633-40082	7	Pincharm Bar Bushing (E/A0-size)
11	C1633-80005	5	Pincharm Bar Spring (D/A1-size)
	C1633-80005	7	Pincharm Bar Spring (E/A0-size)
12	C4699-60081	5	Pincharm Assembly (D/A1-size)
	C4699-60081	7	Pincharm Assembly (E/A0-size)

Figure 10 - Pincharm Assembly

Figure 11 - Entry Platen, Drive Roller, Bail and Overdrive Assembly

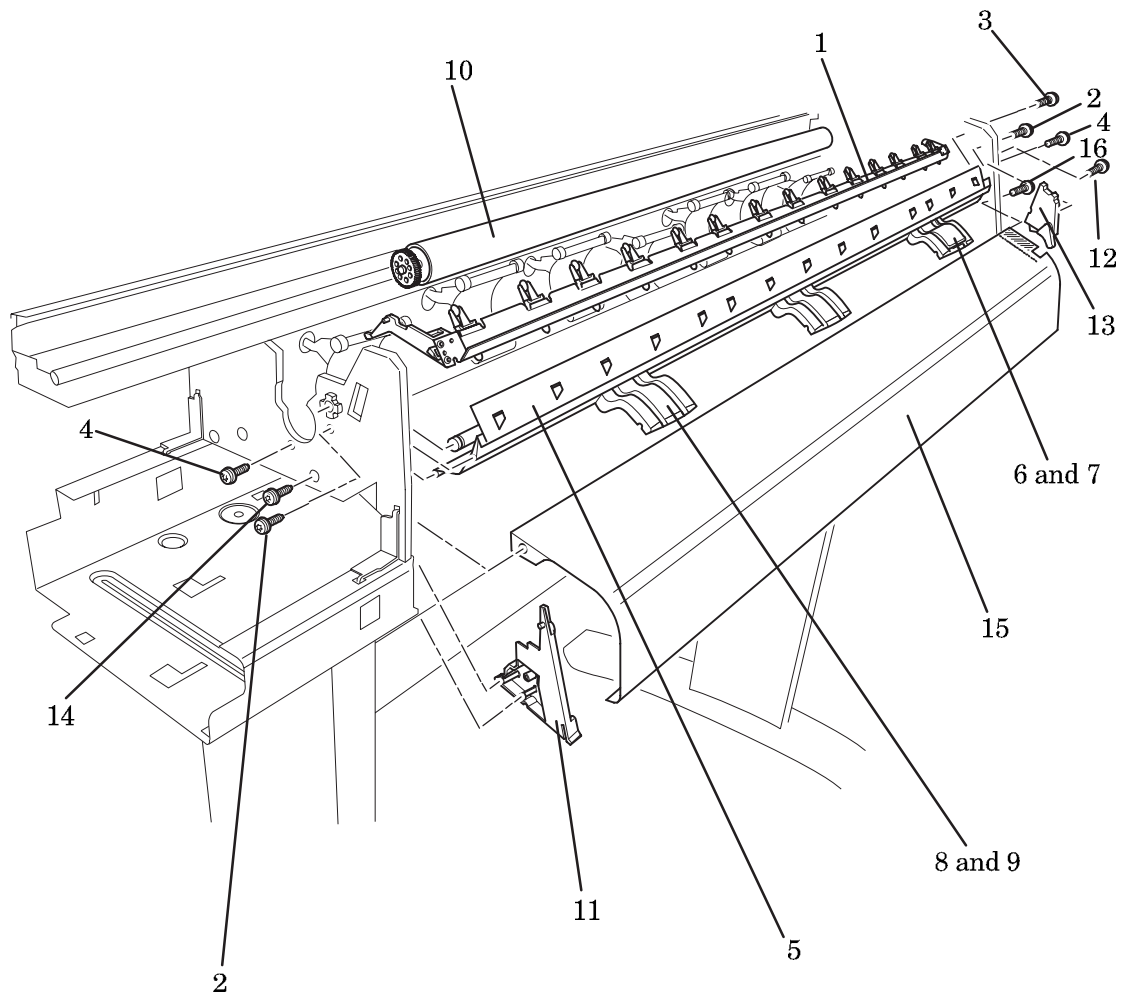| Reference on Drawing	HP Part Number	Quantity	Description
1	C4713-60093	1	Bail Assembly (D/A1-size)
	C4714-60093	1	Bail Assembly (E/A0-size)
2	0515−2337	1	Screw Long Dogpoint
3	0515−2765	1	Screw
4	C3180-20001	2	Alignment Screw
5	C4713-60115	1	Overdrive Assembly (D/A1-size)
	C4714-60115	1	Overdrive Assembly (E/A0-size)
6	0515-2250	2	Screw (Media Button Assy)
7	C4713-60117	1	Media Button Assembly
8	0515-2250	1	Screw (Media Deflector)
9	C4713-40011	1	Media Deflector
10	C4699-60042	1	Driver Roller Assy (D/A1-size)
	C4700-60042	1	Driver Roller Assy (E/A0-size)
11	C4713-40023	1	Side Trim Left
12	0627-0769	1	Screw
13	C4713-40022	1	Side Trim Right
14	C3180-20001	1	Alignment Screw
15	C4713-60114	1	Entry Platen Assy (D/A1-size)
	C4714-60114	1	Entry Platen Assy (E/A0-size)
16	0515-1743	1	Screw

Figure 11 - Entry Platen, Drive Roller, Bail and Overdrive Assembly

Printer Labels

Reference on Drawing	HP Part Number	Quantity	Description
1	5961-3524	1	Serial Label (Right End Cover)
2	C3178-00030	1	Carriage Label (DesignJets 450C and 450CA)
	C4701-00009	1	Carriage Label (DesignJets 430)
3	C3190-40052	1	Quick Reference Guide Holder
4	C4713-00013	1	Nameplate (DesignJets 430)
	C4715-00013	1	Nameplate (DesignJets 450C)
	C6080-00001	1	Nameplate (DesignJets 455CA)
5	C4705-00017	1	Cartridge Insertion Label (Left End Cover)

Users Guide and Quick Reference Guide Bundle

HP Part Number	Description
C4713-60041	English Manual Bundle
C4713-60042	Korean Manual Bundle
C4713-60043	Taiwanese Manual Bundle
C4713-60044	German Manual Bundle
C4713-60045	French Manual Bundle
C4713-60046	Spanish Manual Bundle
C4713-60047	Italian Manual Bundle
C4713-60048	Japanese Manual Bundle
C4713-60049	Portuguese Manual Bundle
C4713-60050	Chinese Manual Bundle

Front Panel Overlays

HP Part Number	Description
C4715-60041	English Front Panel Overlay
C4715-60042	Korean Front Panel Overlay
C4715-60043	Taiwanese Front Panel Overlay
C4715-60044	German Front Panel Overlay
C4715-60045	French Front Panel Overlay
C4715-60046	Spanish Front Panel Overlay
C4715-60047	Italian Front Panel Overlay
C4715-60048	Japanese Front Panel Overlay
C4715-60049	Portuguese Front Panel Overlay
C4715-60050	Chinese Front Panel Overlay

Compatible Documentation

HP Part Number	Description
C4713-90009	Software Application Notes
5965-9424	Accessories Guide
5965-9477	Media Swatch Book
5959-9733	HP-GL/2 and RTL Programmer's Reference Guide (English)
5959-9734	The product Comparison Guide for HP-GL/2 and HP RTL Peripherals (English)
5010-3997	PJL Technical Reference Manual (English)

Plug-in memory (RAM SIMM)

HP Part Number	Description
C3132A	4MB RAM SIMM
C3133A	8MB RAM SIMM
C3146A	16MB RAM SIMM
D3578A	32MB RAM SIMM

Note: For the location of the plug-in memory see page 7-8.

Cartridges

HP Part Number	Description
51640A	Black
51644C	Cyan
51644M	Magenta
51644Y	Yellow

External Print Servers

HP Part Number	Description
J2591A	Jetdirect EX Plus Ethernet
J2593A	Jetdirect EX Plus 3 Ethernet
J2594A	Jetdirect EX Plus 3 Token Ring

Parallel (Bi-Tronics/Centronics) Interface Cables

Computer	HP Part Number	Cable length	Connector type at computer end of cable
HP 9000 workstations, series 300, 400, 700.	C2950A	2.0 m (6.9 ft)	25-pin male
IBM AT, IBM PS/2, IBM PC/XT and compatible computers.	C2951A	3.0 m (9.8 ft)	25-pin male

Serial (RS-232-C) Interface Cables

Computer	HP Part Number	Cable length	Connector type at computer end of cable
HP Vectra or HP 24541A/B serial interface card (9-pin connector). HP 9000 workstations using 9-pin connectors. IBM AT and compatible computers using 9-pin serial connectors.	24542G	3.0 m (9.8 ft)	9-pin female
HP Vectra PC with HP 24541A/B dual serial interface card using the 25-pin connector. HP Apollo workstation using an SPE (Serial/Parallel Expansion) option and supplied adapter cable. DEC VAX. Sun workstation.	17255M	1.2 m (3.9 ft)	25-pin male
IBM PC, PC/XT, IBM PS/2 and compatible computers	C2913A	1.2 m (3.9 ft)	25-pin female
DEC VAX using DEC BC22D, BC03M, or equivalent	17355M	3.0 m (9.8 ft)	
Apple Macintosh Plus, SE, II Series, Classic, LC family, Quadra family, PowerBook, PowerMac	17302A	1.5 m (4.9 ft)	8-pin male mini-DIN
Apple Macintosh 128K and 512K	92219M	1.5 m (4.9 ft)	9-pin male
Extension cable	31391A	5 m (16.4 ft)	25-pin female