

The Illustrated Part List (IPL) contains the illustrations and the parts lists for the different assemblies in the printer. The parts lists give the part numbers, description and quantity of all the items and the modules in the printer. You can order the items and the modules for which the part numbers are given.

## How to Read the IPL

This section describes how the higher assemblies are broken down to their related sub assemblies and other separate parts.

### Illustrations

Table 10-1 shows the symbols used to indicate the different levels of main assemblies in a printer, and the sub assemblies under the main assembly.

Assembly	Symbol
Main Assembly	□
Sub Assembly 1	○
Sub Assembly 2	○
Sub Assembly 3	△
Sub Assembly 4	◇
⋮	⋮

Table 10-1: Symbols Representation - Assemblies

-----► Indicates further explosion.

### Alphabets

- An alphabet is assigned to the main assemblies of a printer and each sub assembly under the main assembly. See Figure 10-1 on page 10-3.

For example: If A, B, C and D identify the main assemblies of a printer, then the alphabets E, F, and so on identify sub assemblies below each main assembly in a sequence.

- The alphabets assigned to main assemblies are used only for one time.
- The alphabets "I" and "O" are not used because they look like the numbers 1 and 0.

## Numbers

A natural number (1,2,3.....) is assigned to the stand alone parts (in ascending order) through out the breakdown of main assemblies. See Figure 10-1.

**Note:** The numbers assigned to main assemblies can be used only for one time.

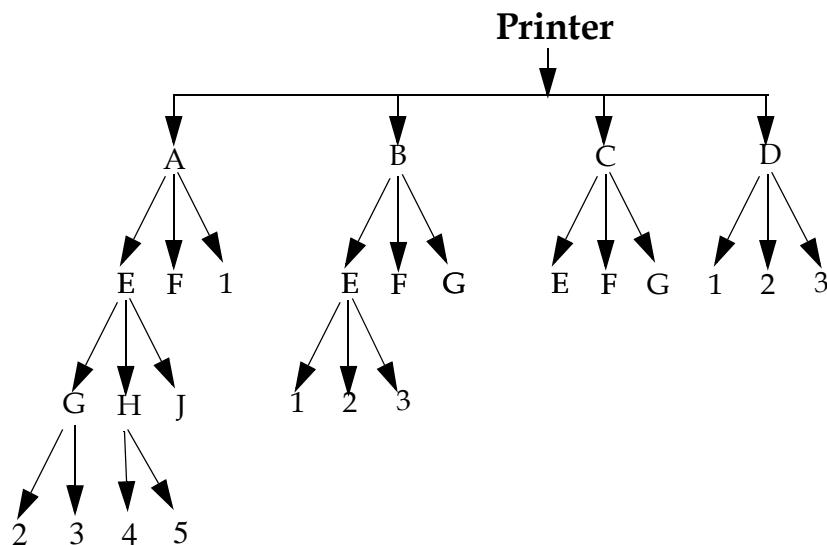


Figure 10-1: Graphical Representation of the Different Subassemblies and Parts

## Tables

Figure 10-2 describes the styles used to show the explosion of the main assemblies in parts lists.

	Item Number	P/N	Description	Qty
Main Assembly	A			
	3			
Subassembly 1	E			
	4			
Subassembly 2	H			
	5			
Parts under the Subassembly <b>OR</b> Stand-alone Part	6			
	J			
	7			
	8			

Figure 10-2: Representation of Subassemblies in the Table

## Notes

Notes provide useful information. Some examples for note are as follows:

**Note:** To order this item, use part number of item 9 in this table.

**Note:** This screw is a part of Core Module.

**Note:** This item can be ordered separately.

## Videojet 1650/1650 UHS Printer

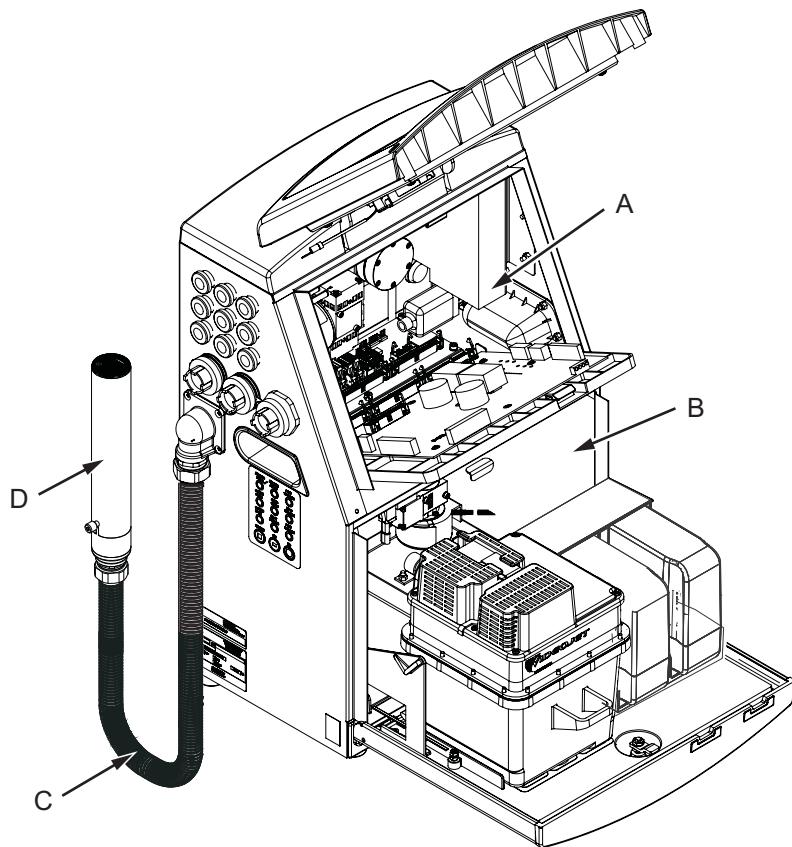


Figure 10-3: Main Parts of the Printer

Table 10-2 shows the subassemblies of the printer.

Item	Descriptions
A	<b>Electronics Compartment</b>
B	<b>Ink Compartment</b>
C	<b>Umbilical</b>
D	<b>Printhead</b>

Table 10-2: Videojet 1650/Videojet 1650 UHS Printer Assemblies

## Electronics Compartment

A

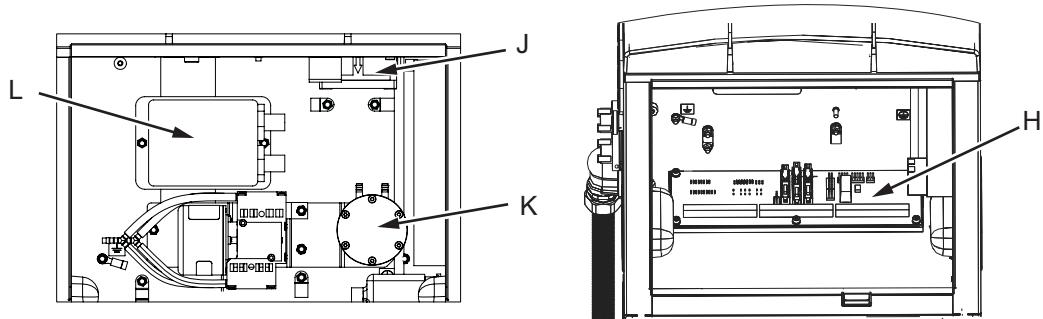
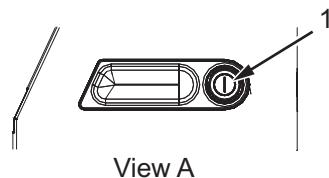
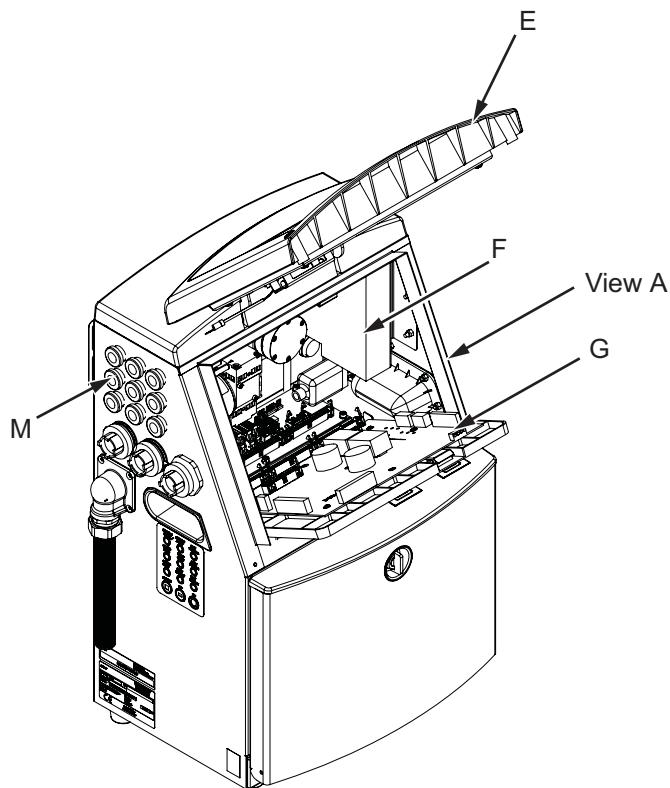


Figure 10-4: Electronics Compartment

## Power Switch

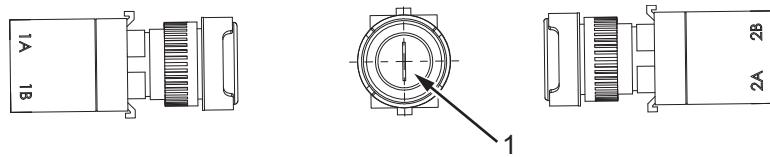


Figure 10-5: Power Switch

## Electronics Door Assembly

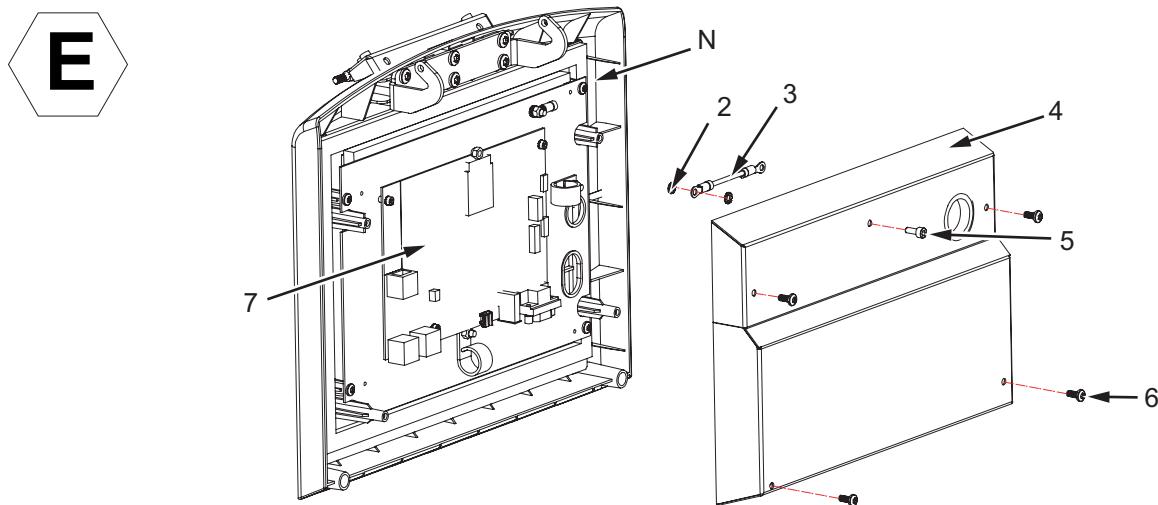


Figure 10-6: Electronics Door Assembly

### Retrofit Touch Screen

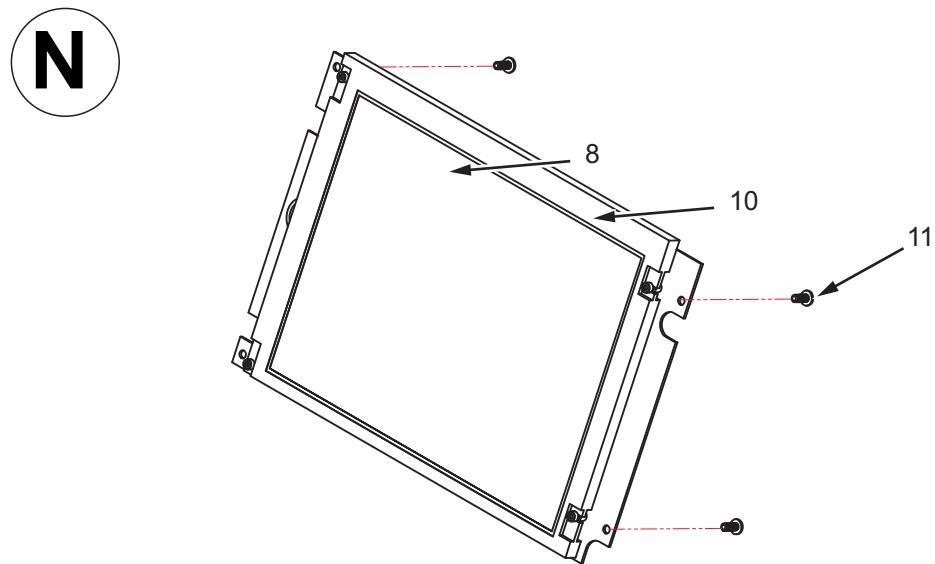


Figure 10-7: LCD and FIB

### Display Door

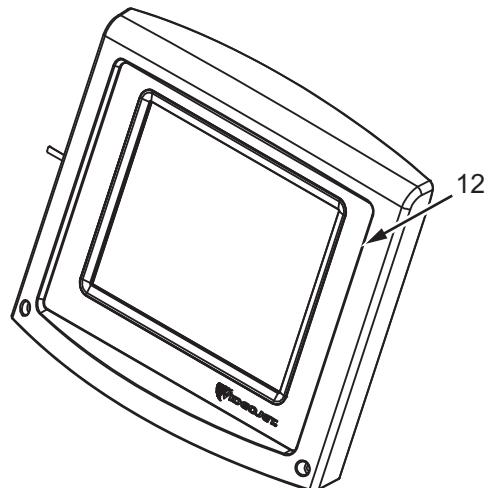


Figure 10-8: Display Door

## Power Supply Unit Assembly

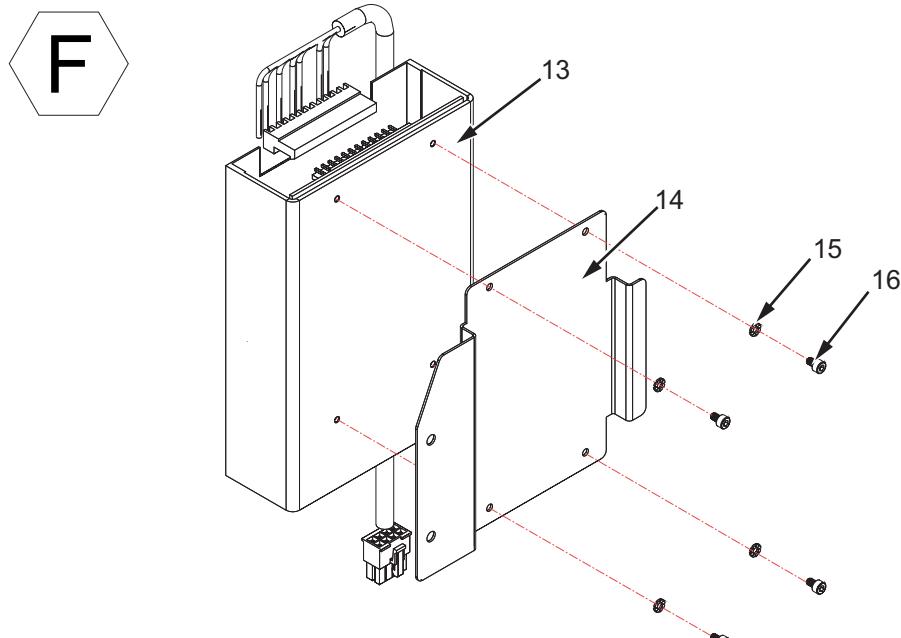


Figure 10-9: Power Supply Unit Assembly

## Control System Board (CSB) with Back Plate

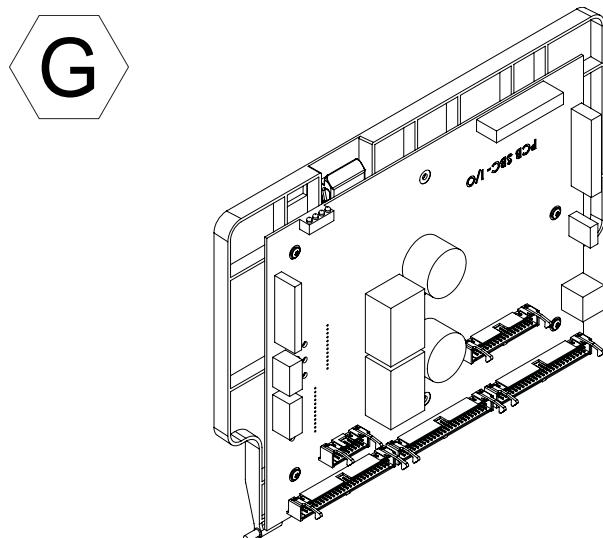
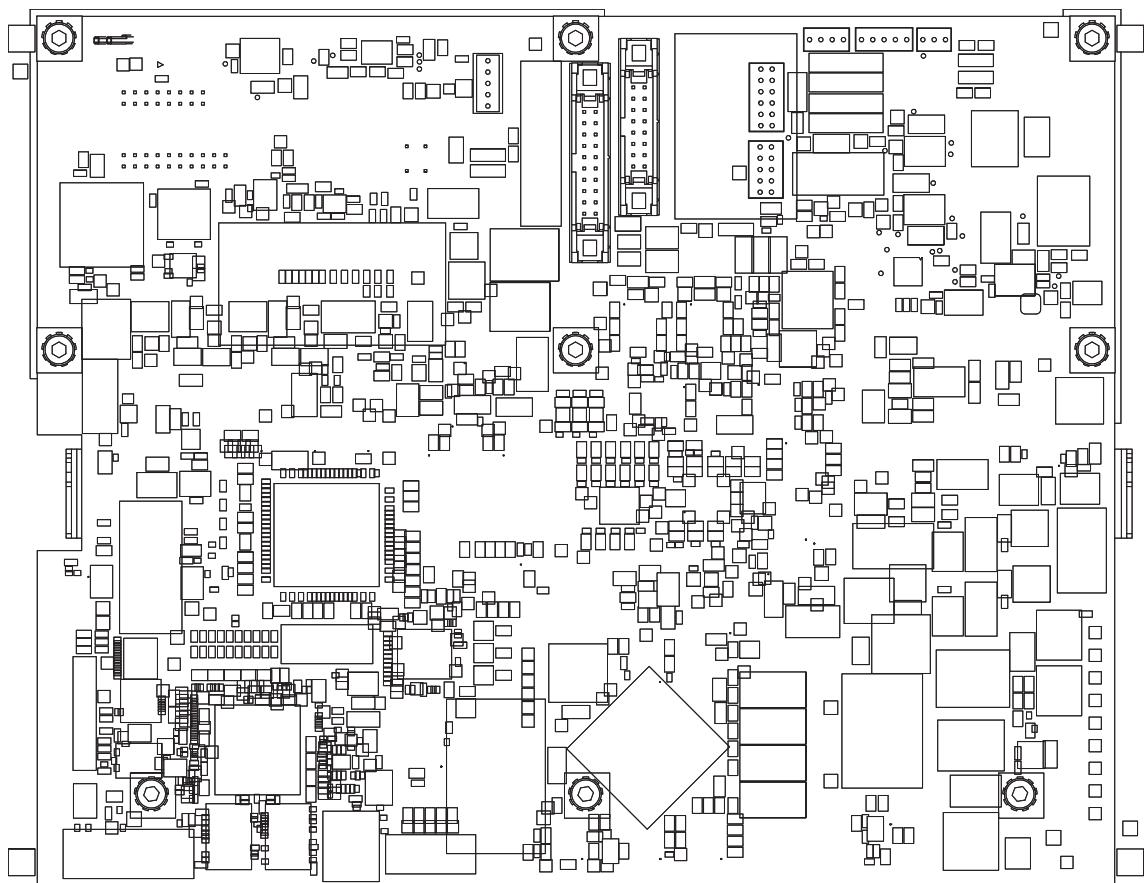


Figure 10-10: Control System Board Assembly with Back Plate (CSB 3 or CSB 4)



*Figure 10-11: Control System Board (CSB 5/PIB)*

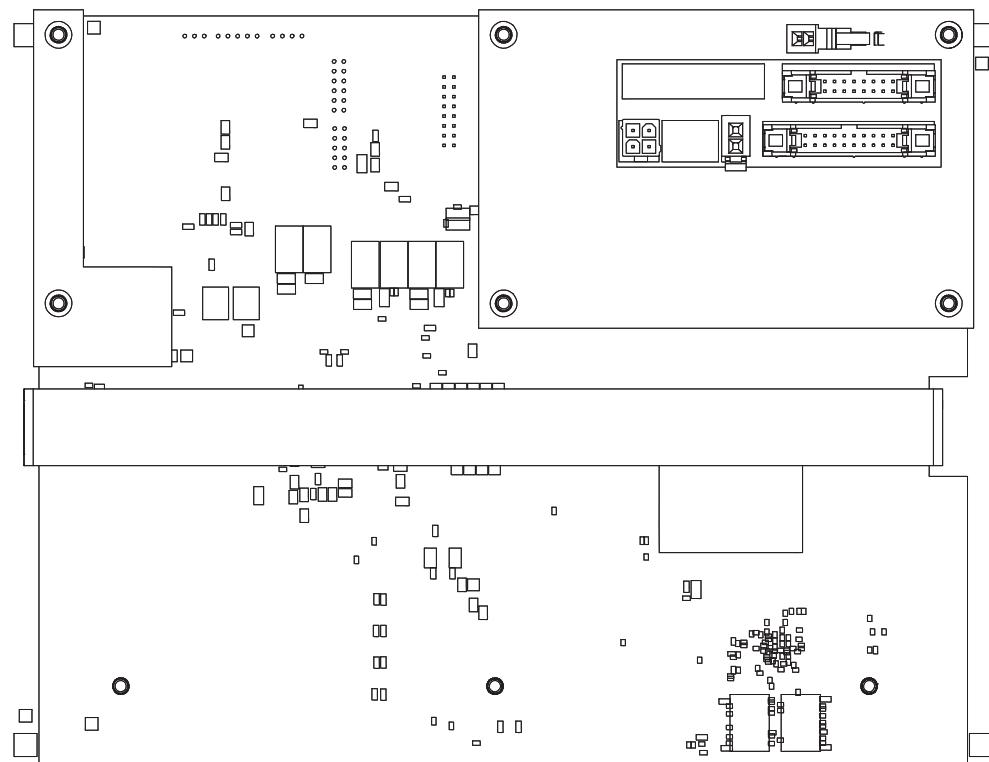


Figure 10-12: Control System Board (CSB 5/PIB) - Rear View

## Printer Interface Board Assembly (PIB) - For Separate PIB Only

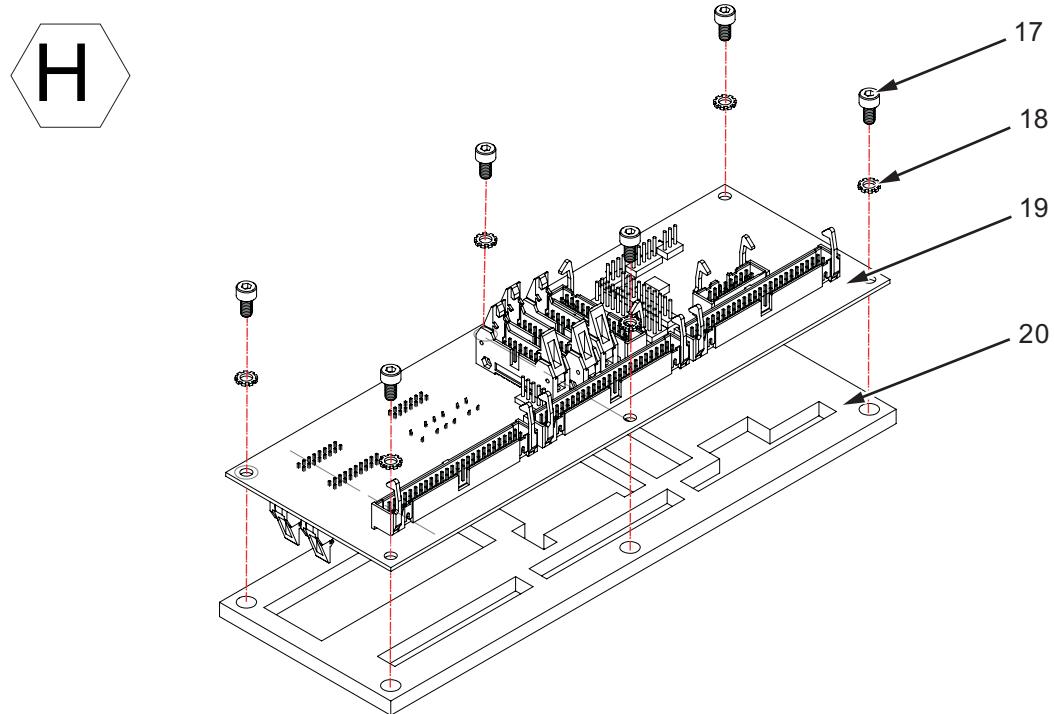


Figure 10-13: Printer Interface Board Assembly

## Electronics Fan Assembly

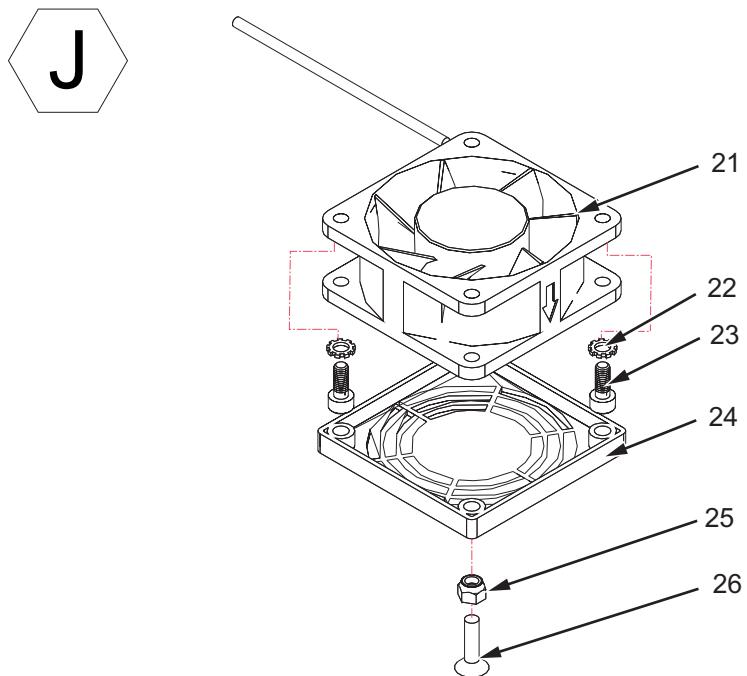


Figure 10-14: Electronics Fan Assembly

## Air Pump Assembly

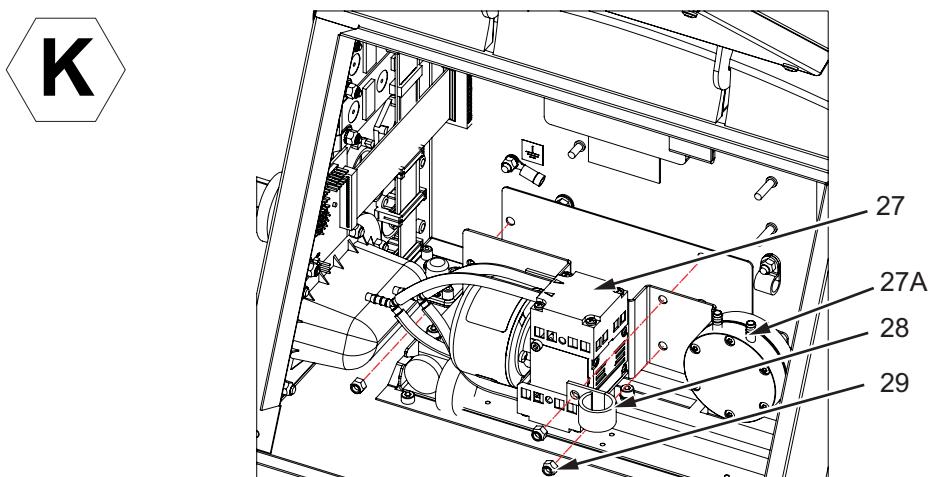


Figure 10-15: Positive Air Pump Assembly

## EHT Module

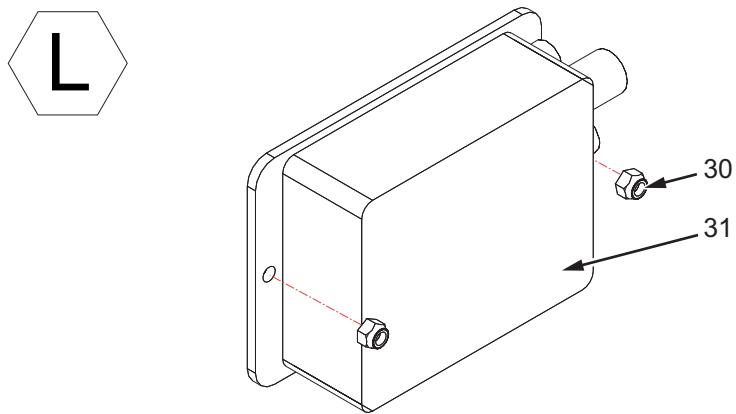


Figure 10-16: EHT Module

## Connector Panel

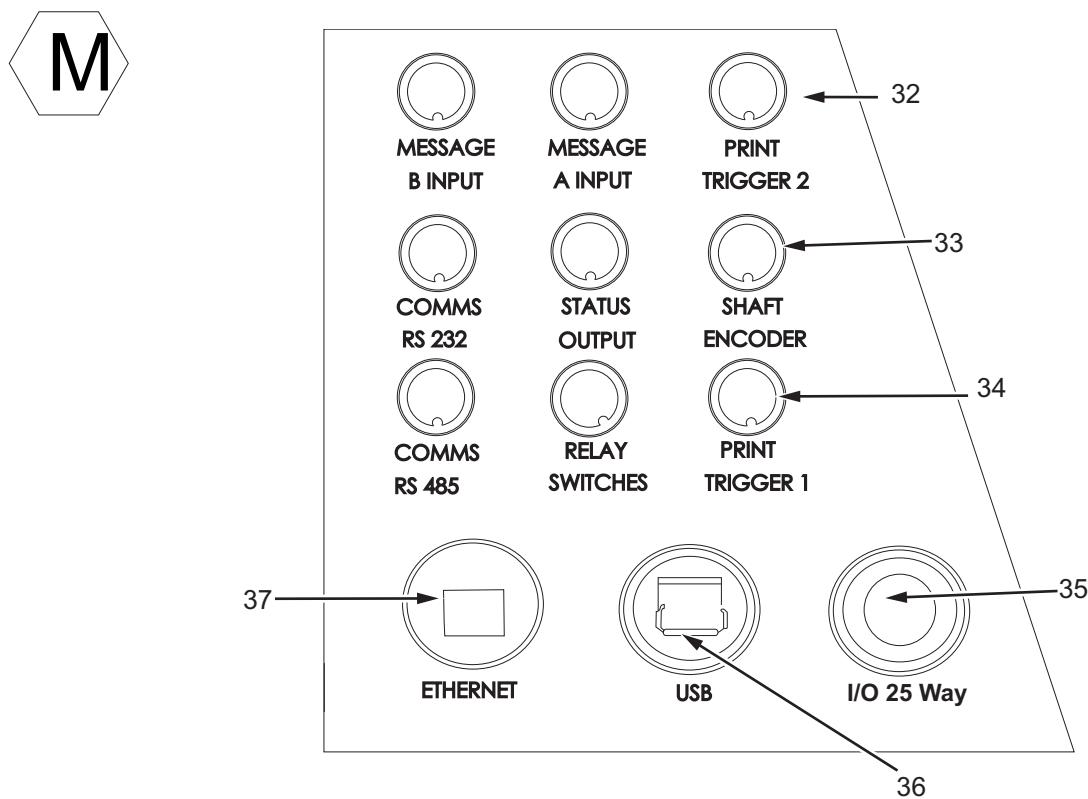


Figure 10-17: Connector Panel

## PCB Assembly

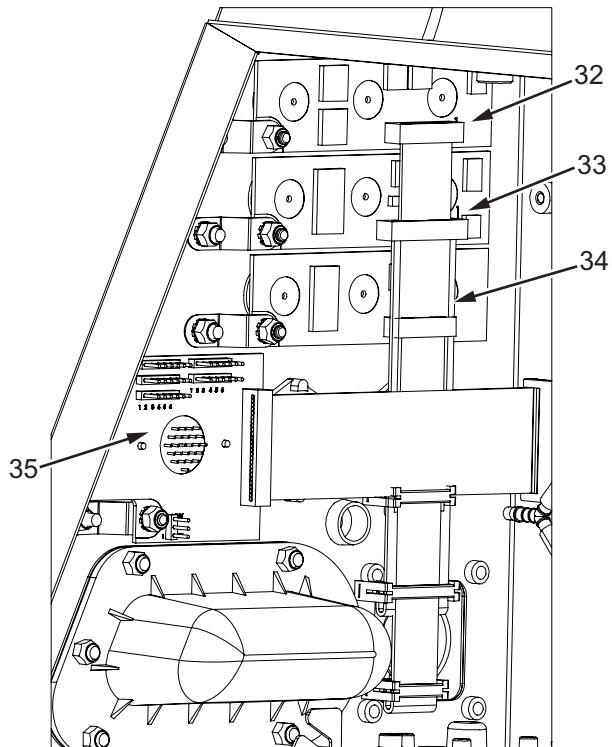


Figure 10-18: PCB 1,2,3 and 4 Assemblies

Item Number	P/N	Description	Qty
A		Electronics Compartment	
1	SP219041	Power Switch	1
E		Electronics Door Assembly	
N	395795	RETROFIT, TOUCH SCREEN	
2		M4 ET Washer	2
3		Display Ground Wire	1
4		Display Rear Cover	1
5		M4 x 10 Cap-head Screw	1
6		K40 x 10 Pan-head Torx Screw	4
7	395791	CLARiTY PCB (FIB) Spare	

Table 3: Electronics Compartment

Item Number	P/N	Description	Qty
8	395790	Touch Screen (LCD) Spare	
9*	395893	SD CARD Spare	
10		LCD and FIB Assembly	1
11		Screw	4
12	395889	Display Door Surround Spare	
F	395897	Power Supply Unit (PSU) Assembly with Mount	
13		PSU	1
14		PSU Mounting Plate	1
15		M3 ET Washer	4
16		M3 x 5 Cap-head Screw	4
G	395891 UHS	UHS 40 micron Control System Board (CSB) with Back Plate (40 micron printer only)	1
	SP392418	CSB/PIB Combined	1
	SP392438	UHS CSB/PIB Combined	1
H	399473	Printer Interface Board (PIB) Assembly (For Separate PIB Only)	
17		M4 x 8 Cap-head Screw	6
18		M4 ET Washer	6
19		PIB	1
20		PIB Gasket	1
J	399079	Electronics Fan Assembly	
21		Fan, 60 mm	1
22		M4 ET Washer	2
23		M4 x 10 Cap-head Screw	2
24		Finger guard, 60 mm	1
25		M4 Nyloc Nut	2
26		M4 x 16 Counter Sunk Screw	2

Table 3: Electronics Compartment (Continued)

Item Number	P/N	Description	Qty
K	SP399399	Double Headed Air Pump Assembly (for single head system <b>(Single Head Printer)</b>	
27A		Dampener	1
28		P-Clip	1
29		M4 Nyloc Nut	3
L	399081	EHT Module Assembly	
30		M4 Nyloc Nut	2
31		EHT Module	1
M		Connector Panel	
32	SP500096	PCB 3 Assembly	1
33	SP500097	PCB 2 Assembly	1
34	SP500095	PCB 1 Assembly	1
35	399475	PCB 4 Assembly	1
36	395898	USB A-B BULKHEAD	1
37	395899	ETHERNET BULKHEAD	1

Table 3: Electronics Compartment (Continued)

## Ink Compartment

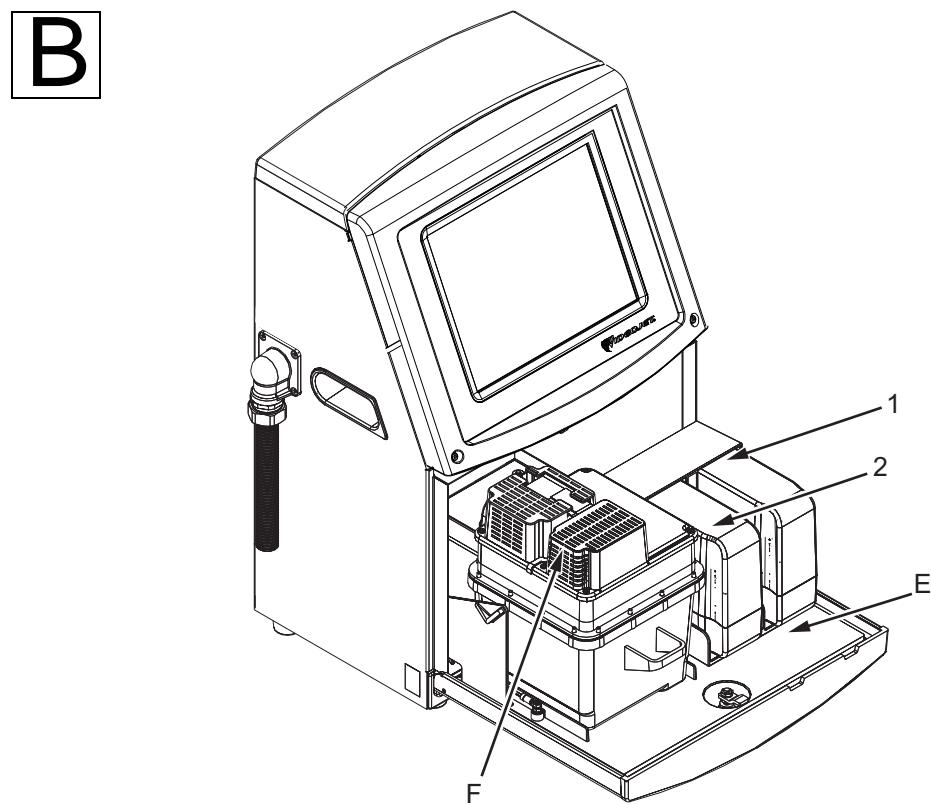


Figure 10-19: Ink System

## Ink Cartridge

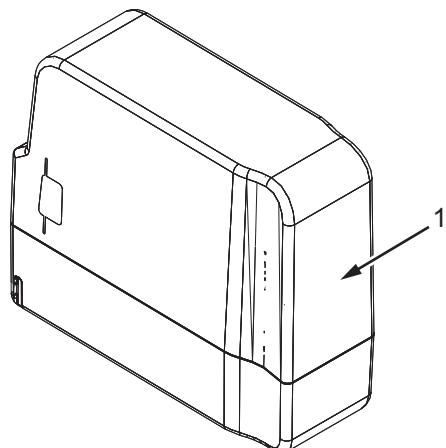


Figure 10-20: Ink Cartridge

## Make-up Cartridge

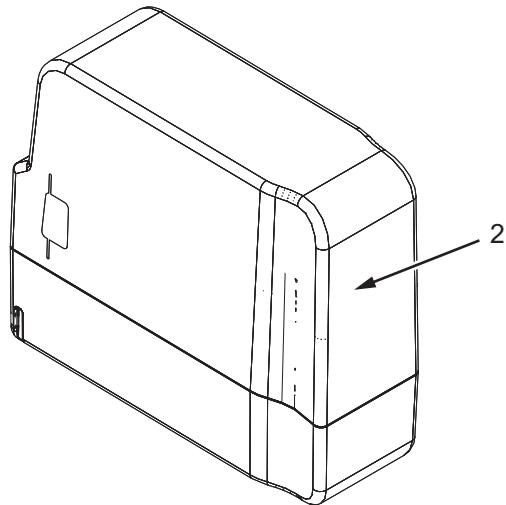


Figure 10-21: Make-up Cartridge

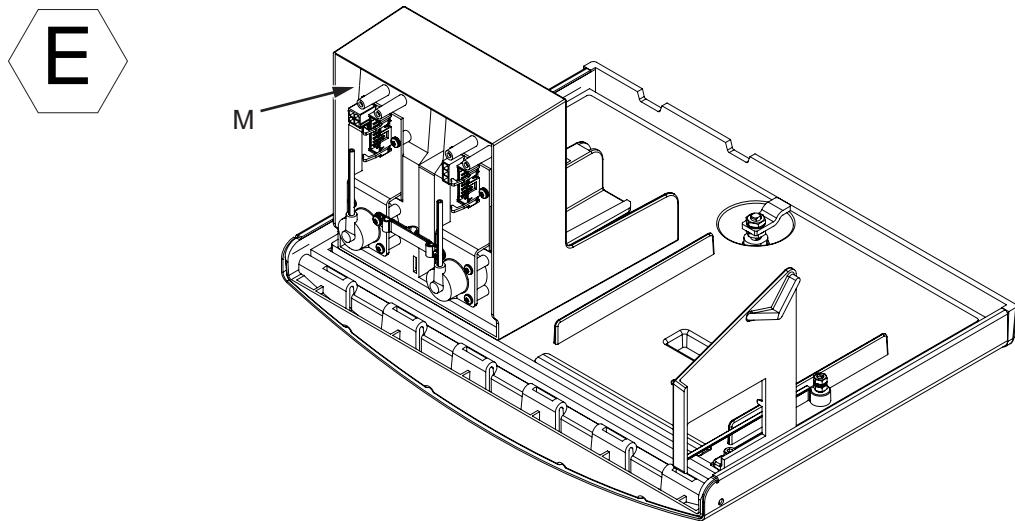


Figure 10-22: Ink Door Assembly

## Septum Assembly

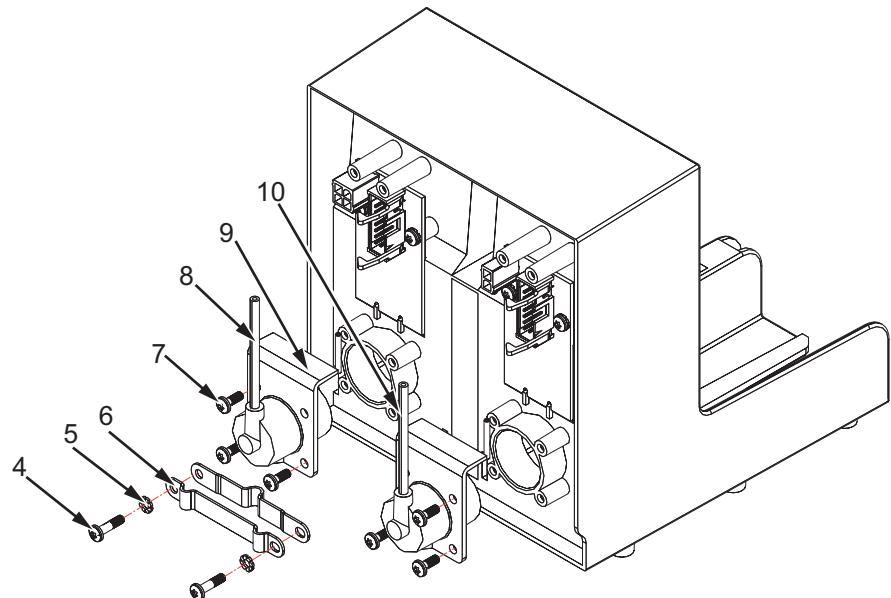


Figure 10-23: Septum Assembly

## Ink Core Module Assembly

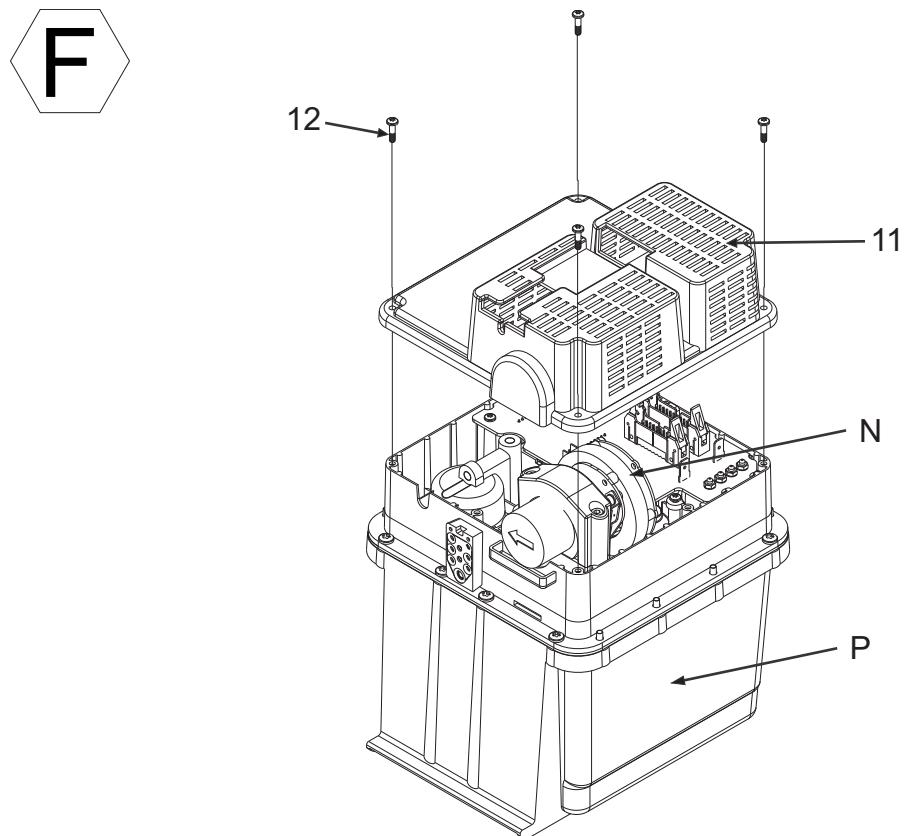


Figure 10-24: Core Module

## Ink Core Pump

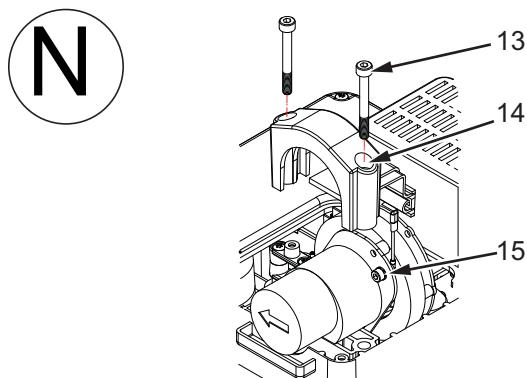


Figure 10-25: Ink Core Pump Assembly

## Ink Core Without Pump

P

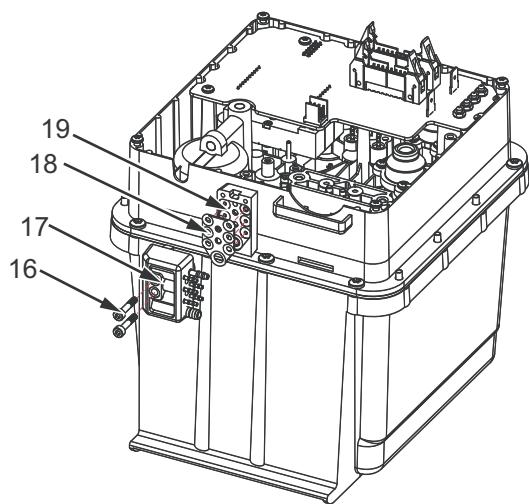


Figure 10-26: Ink Core Module Without Pump

## Gutter Pump Assembly

G

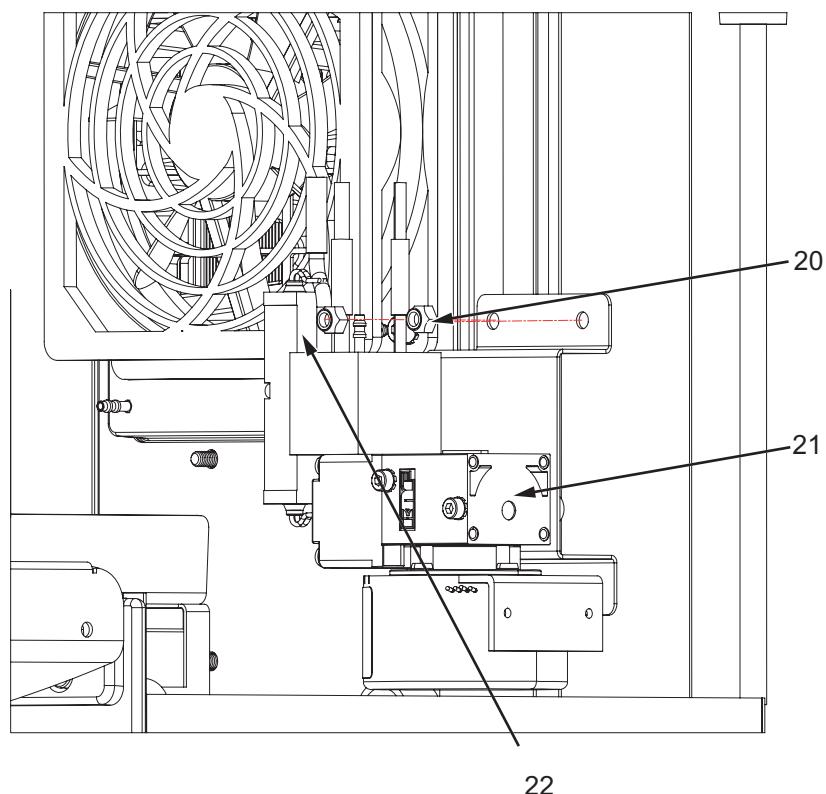


Figure 10-27: Gutter Pump Assembly

## Ink System Fan

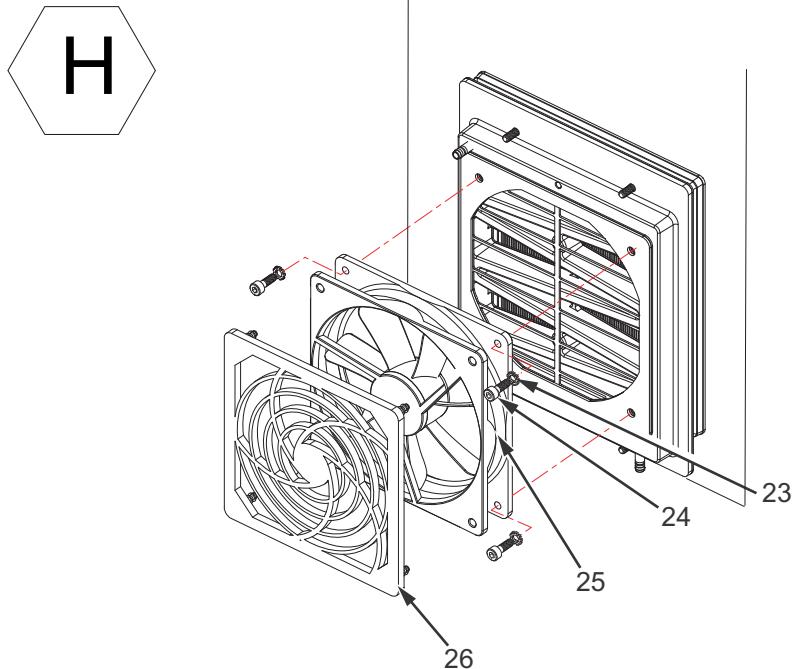


Figure 10-28: Ink System Fan Assembly

## Condenser Assembly

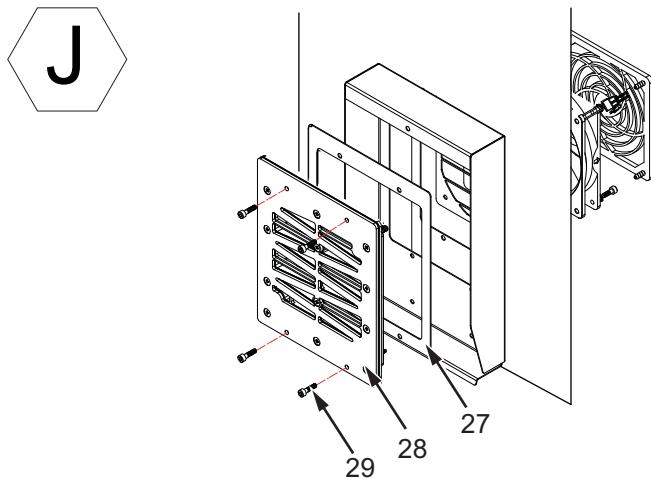


Figure 10-29: Condenser Assembly

## Ink System Filter Assembly

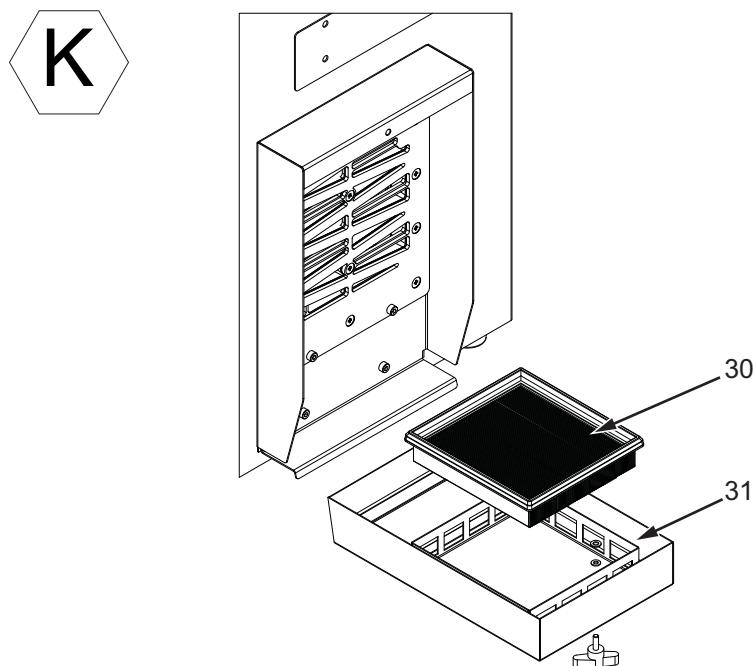


Figure 10-30: Ink System Filter Assembly - IP65

### Floor Filter - IP65

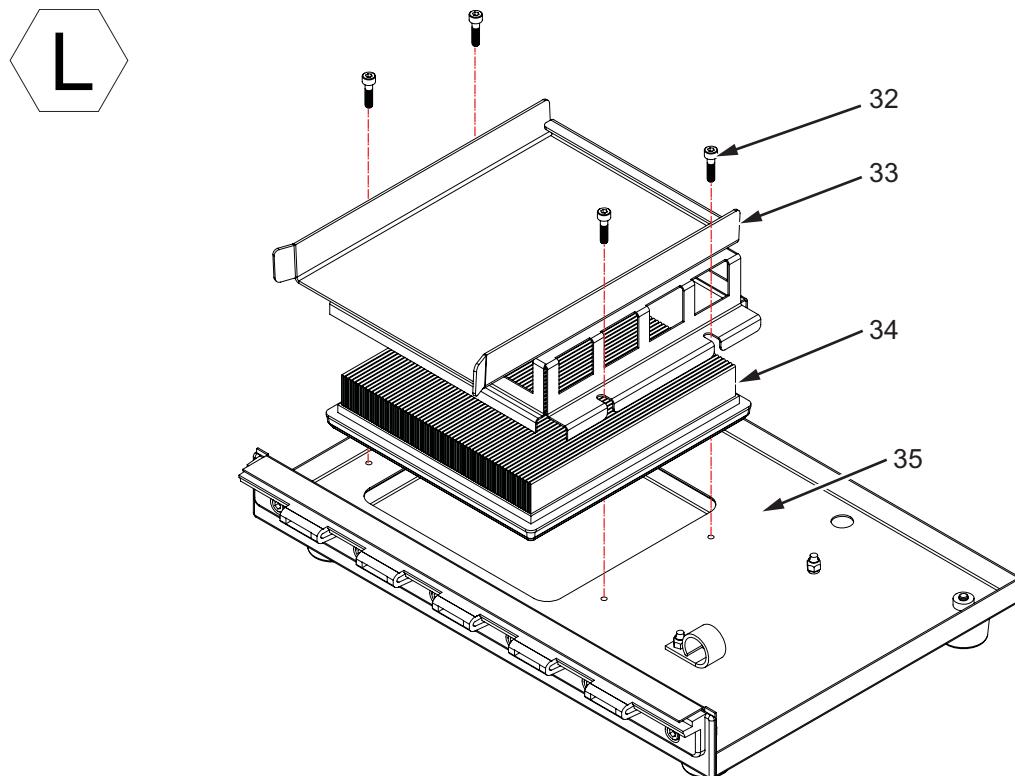


Figure 10-31: Floor Filter - IP65

### Cabinet Foot

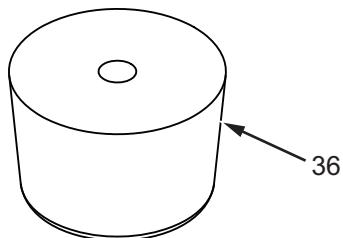


Figure 10-32: Cabinet Foot

Item Number	P/N	Description	Qty
B		Ink Compartment	
1		Ink Cartridge	1
2		Make-up Cartridge	1
E	399472	Ink Door Assembly	
	399585	Ink Door Assembly FG	
3*		Hinge Pin	1
M	399073	Septum Assembly	
	399391	Septum Assembly Kit FG	
4		K30 x 12 Pan-head Torx Screw	2
5		M3 ET Washer	2
6		Tube and Ribbon Cable Clamp	1
7		K30 x 8 Pan-head Torx Screw	6
8		Black Stripe Tube (Ink System)	1
9		Septum	2
10		Green Stripe Tube (Make-up System)	1
F	SP392128	Ink Core with Pump	
	395964	Ink Core with Pump (UHS)	
	SP392129	Ink Core with pump FG	
	395966	Ink Core with pump FG (UHS)	
11		Ink Core Pump Cover	1
12		K30 x 12 Pan-head Torx Screw	2
N	399076	Ink Core Pump	
	399384	Ink Core Pump FG	
13		M4 x 35 Cap-head Screw	2
14		Saddle Clamp	1

Table 4: Ink Compartment

Item Number	P/N	Description	Qty
15		Ink Core Pump	1
P	SP392169	Ink Core without Pump	
	395965	Ink Core without Pump (UHS)	
	SP392170	Ink Core without Pump FG	
	395967	Ink Core without Pump FG (UHS)	
16		M3 x 7 Manifold Screw	2
17		Ink Core Manifold (Male)	1
18		Ink Core Manifold Gasket	1
19		Ink Core Manifold (Female)	1
G	399171	Gutter Pump Assembly	
	399393	Gutter Pump Assembly FG	
20		M4 Nyloc Nut	2
21		Gutter Pump	1
22		3 Way Valve	1
H	399080	Ink System Fan Assembly	
23		M4 ET Washer	4
24		M4 x 12 Cap-head Screw	4
25		Fan	1
26		Fan Guard	1
J	399350	Condenser Assembly	
27		Condenser Body Gasket	1
28		Condenser Assembly	1
29		M4 x 16 Cap-head Screw	4
K		Ink System Filter Assembly	
30	SP234502	Filter Element	1
31	395763	Filter Cover	1

Table 4: Ink Compartment

Item Number	P/N	Description	Qty
L		Floor Filter Assembly	
32		M4 x 16 Cap-head Screw	4
33		Ink Core Support	1
34	SP234502	Filter Element	1
35		Filter Cover	1
	392004	Cabinet Feet Kit	
36	234500	Cabinet Foot	4

Table 4: Ink Compartment

\*- Items are not shown in the figure.

## Printhead

D

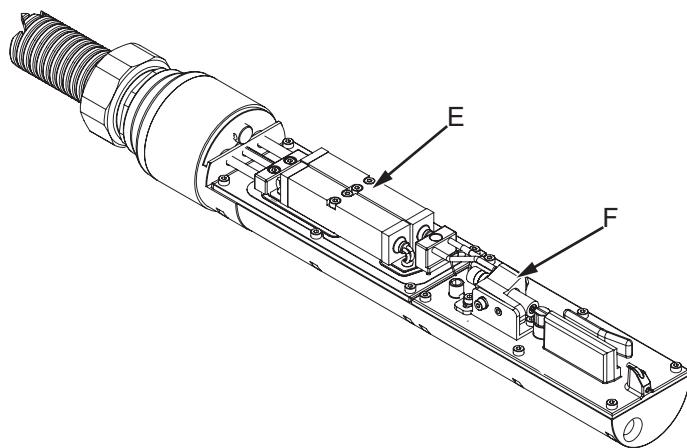


Figure 10-33: Printhead

D

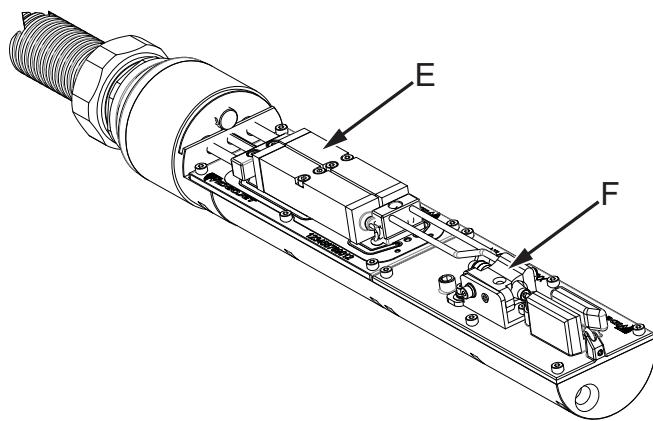


Figure 10-34: Printhead (UHS)

D

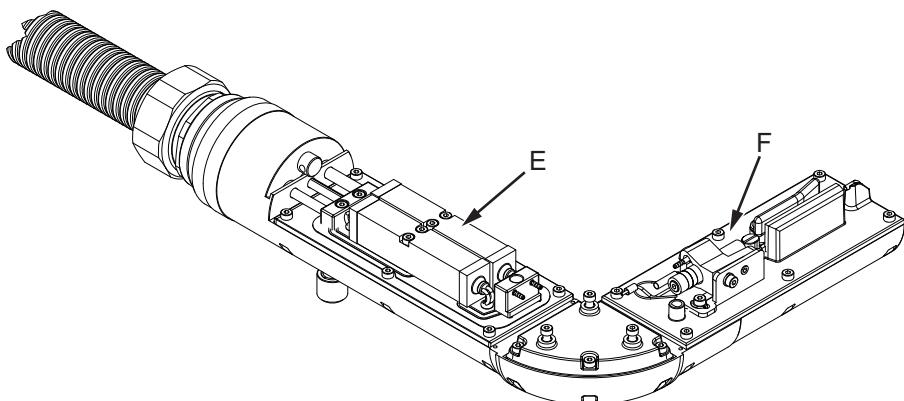


Figure 10-35: 90 Degree Printhead

## Printhead Valve Module

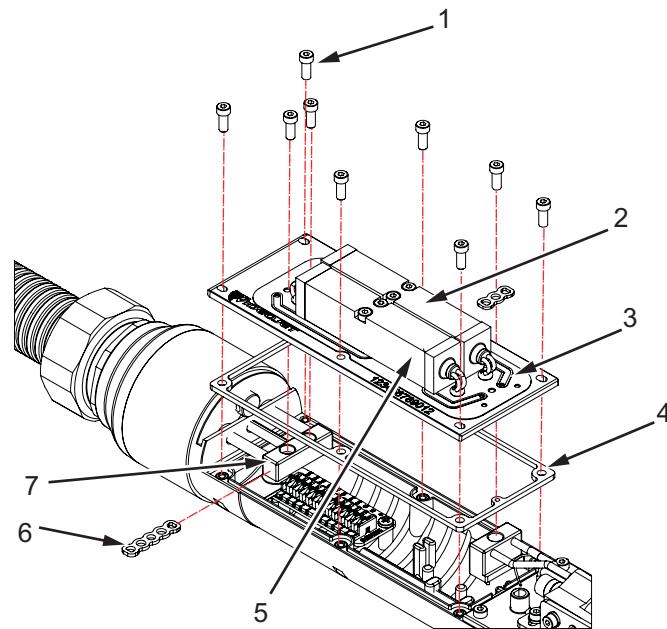


Figure 10-36: Printhead Valve Module

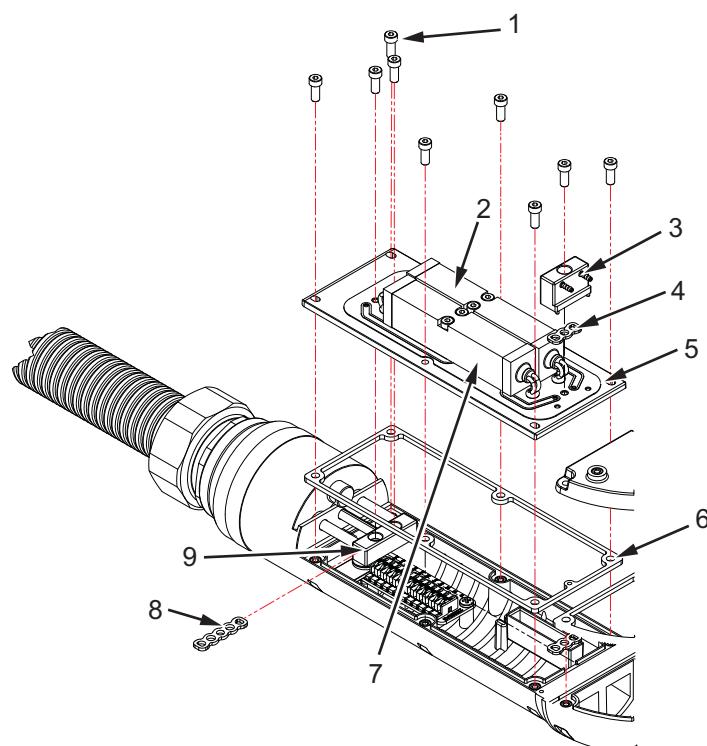


Figure 10-37: 90 Degree Printhead Valve Module

## Printhead Engine

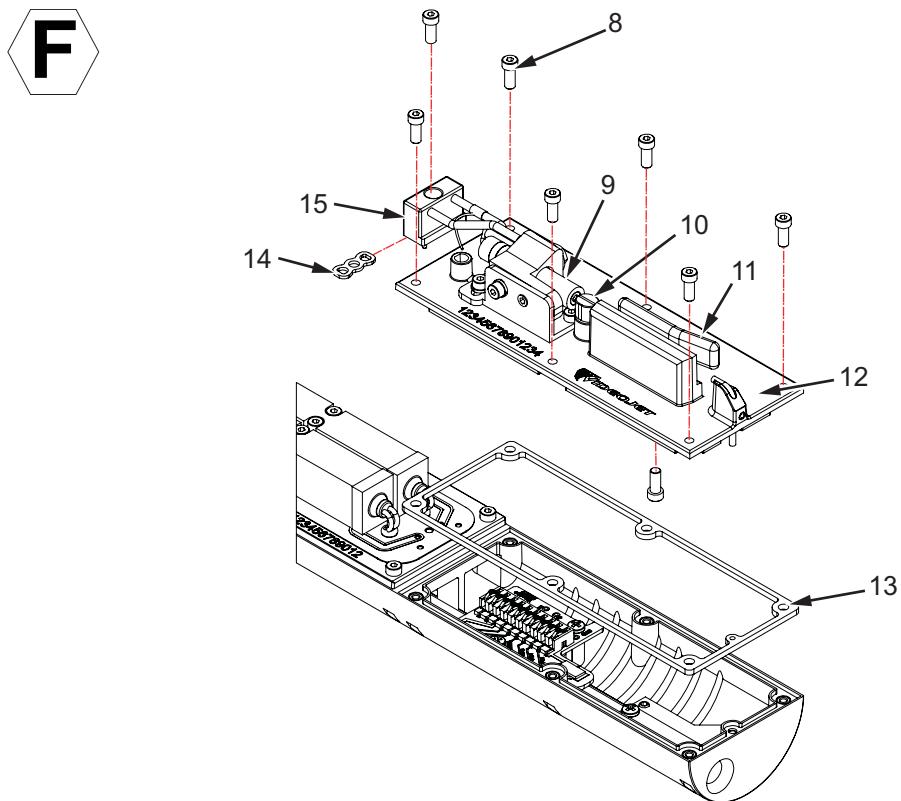


Figure 10-38: Printhead Engine

F

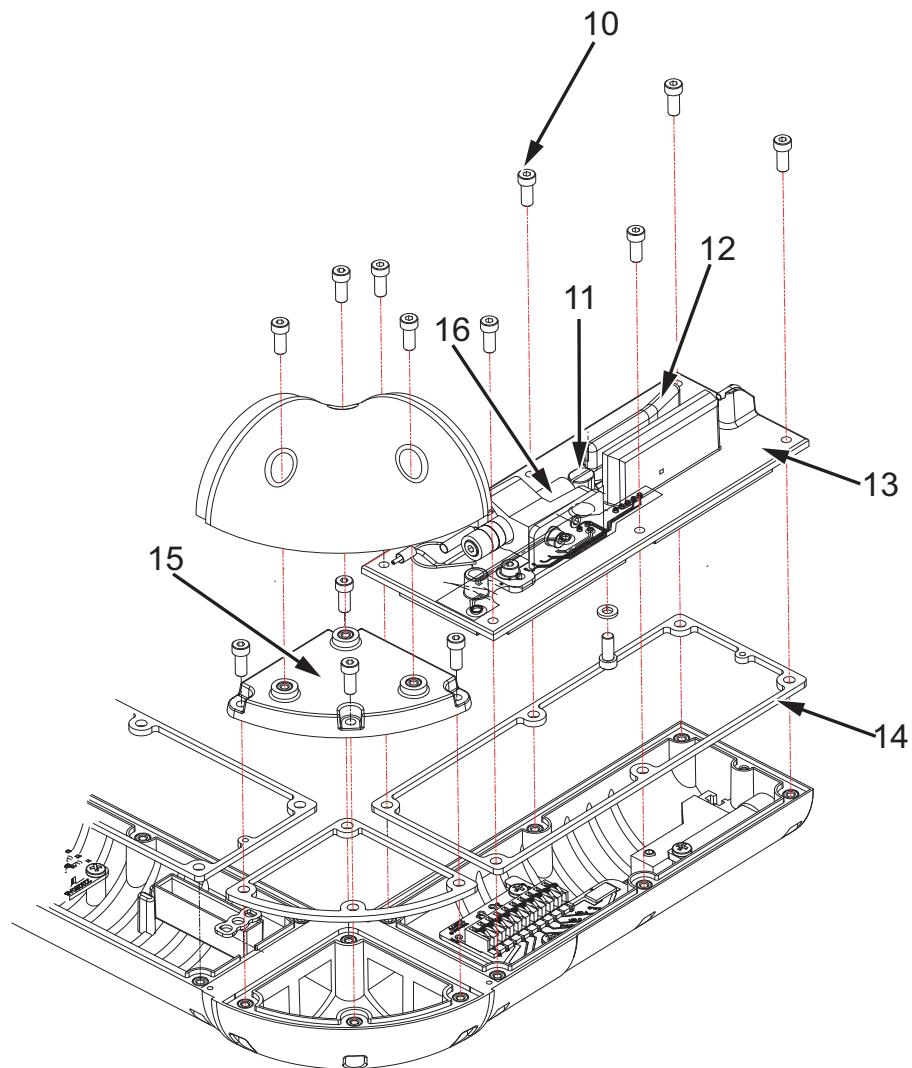


Figure 10-39: 90 Degree Printhead Engine

## Printhead

**Note:** Refer to Table 6 on page 35 for information on 90 degrees printhead

Item Number	P/N	Description	Qty
D		Printhead	
E	399181	Printhead Valve Module	
	399386	Printhead Valve Module FG	
1		M2 x 6 Cap-head Screw	9
2		Gutter Valve	1
3		Printhead Valve Module Deck	1
4	Refer to Item 16	Printhead Valve Module Gasket	1
5		Feed Valve	1
6	Refer to Item 16	Rear Manifold Gasket	1
7		3 Way Manifold Assembly (Rear Tubing Manifold)	1
F	397353	Printhead Engine UHS (40 micron)	
	395916	Printhead Engine UHS (50 micron)	
	399422	Printhead Engine (60 micron)	
	399180	Printhead Engine (70 micron)	
	395973	Printhead Engine FG UHS (50 micron)	
	399586	Printhead Engine FG (60 micron)	
	399385	Printhead Engine FG (70 micron)	
8		M2 x 6 Cap-head Screw	8
9		Nozzle Assembly	1
10		Charge Electrode	1
11		Deflector Plate	1
12		Printhead Engine Deck	1

Table 5: Printhead Assembly

Item Number	P/N	Description	Qty
13	Refer to Item 16	Printhead Engine Gasket	1
14	Refer to Item 16	Front Tubing Manifold Gasket	1
15		2 Way Manifold Assembly (Front Tubing Manifold)	1
16*	399336	Printhead Gasket Kit	
		Gasket, Printhead	10
		Gasket, 3 way Manifold	10
		Gasket, 2 way Manifold	10
		Connection Manifold Gasket	10
		4.47 x 1.78 O-ring	10

Table 5: Printhead Assembly (Continued)

## 90 Degree Printhead

Item Number	P/N	Description	Qty
D		Printhead	
E	399181	Printhead Valve Module	
	399386	Printhead Valve Module FG	
1		M2 x 6 Cap-head Screw	9
2		Gutter Valve	1
3		2 Way Manifold Assembly (Front Tubing Manifold)	1
4	Refer to Item 17	Front Tubing Manifold Gasket	1
5		Printhead Valve Module Deck	1
6	Refer to Item 17	Printhead Valve Module Gasket	1
7		Feed Valve	1
8	Refer to Item 17	Rear Manifold Gasket	1
9		3 Way Manifold Assembly (Rear Tubing Manifold)	1

Table 6: 90 Degree Printhead Assembly

Item Number	P/N	Description	Qty
F	397647	90 Degree Printhead Engine UHS (40 micron)	
	SP399621	90 Degree Printhead Engine (60 micron)	
	SP399622	90 Degree Printhead Engine (70 micron)	
	SP399658	90 Degree Printhead Engine FG (60 micron)	
	SP399659	90 Degree Printhead Engine FG (70 micron)	
10		M2 x 6 Cap-head Screw	14
11		Charge Electrode	1
12		Deflector Plate	1
13		Printhead Engine Deck	1
14	Refer to Item 17	Printhead Engine Gasket	1
15		Corner Chassis Cap-Insert Assembly	1
16		Nozzle Assembly	1
17*	399660	90 Degree Printhead Gasket Kit	
		Gasket, Printhead	10
		Gasket, 3 way Manifold	10
		Gasket, 2 way Manifold	10
		Connection Manifold Gasket	10
		4.47 x 1.78 O-ring	10
		Gasket, Corner	10

Table 6: 90 Degree Printhead Assembly (Continued)

\*- Items are not shown in the figure

## Cables

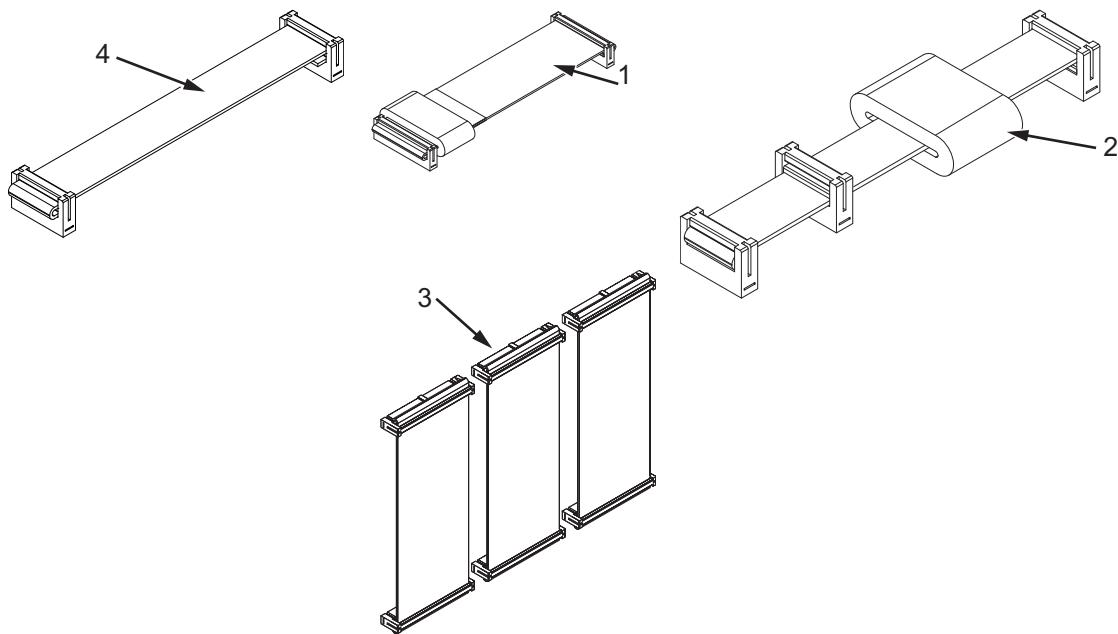


Figure 10-40: Cables

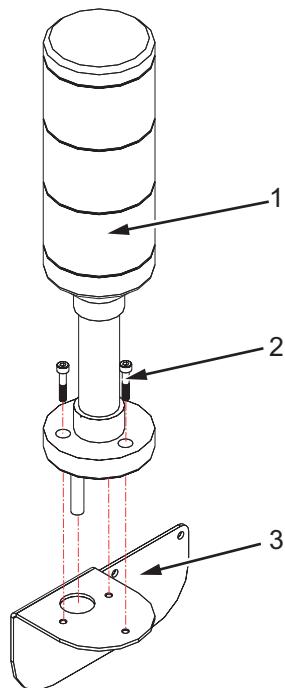
Item Number	P/N	Description	Qty
	<b>399505</b>	<b>Ribbon Cable Spare Kit</b>	
1		<b>Ribbon Cable Assembly Display</b>	1
2	<b>SP399052</b>	<b>Ribbon Cable Assembly Smart Chip and Pump 14 Way</b>	1
3		<b>50 Way Ribbon Cables</b>	3
4		<b>16 Way Ribbon Cable</b>	1
5*	<b>395792</b>	<b>Touch Screen Cable Kit Spare</b>	1

Table 7: Cables

\*- Items are not shown in the figure

## Optional Accessories

### Beacon Kit



*Figure 10-41: Beacon Kit*

## Dry Air Kit Assembly

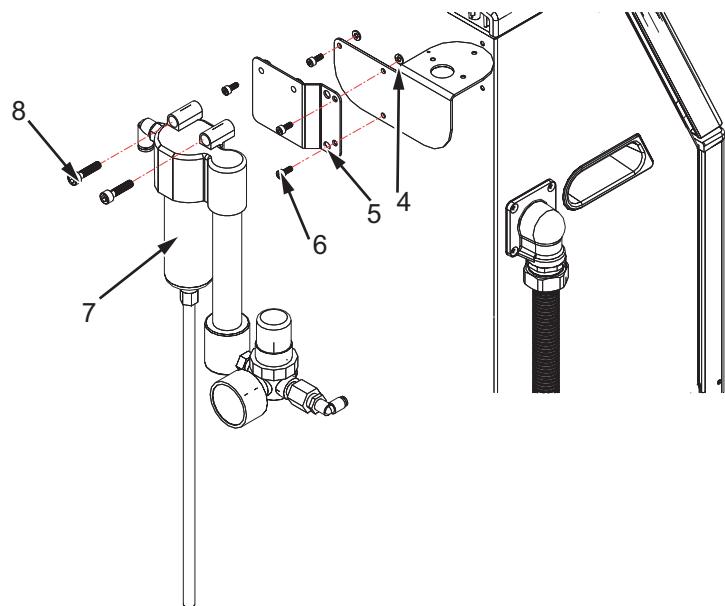


Figure 10-42: Dry Air Kit Assembly

## Static Stand

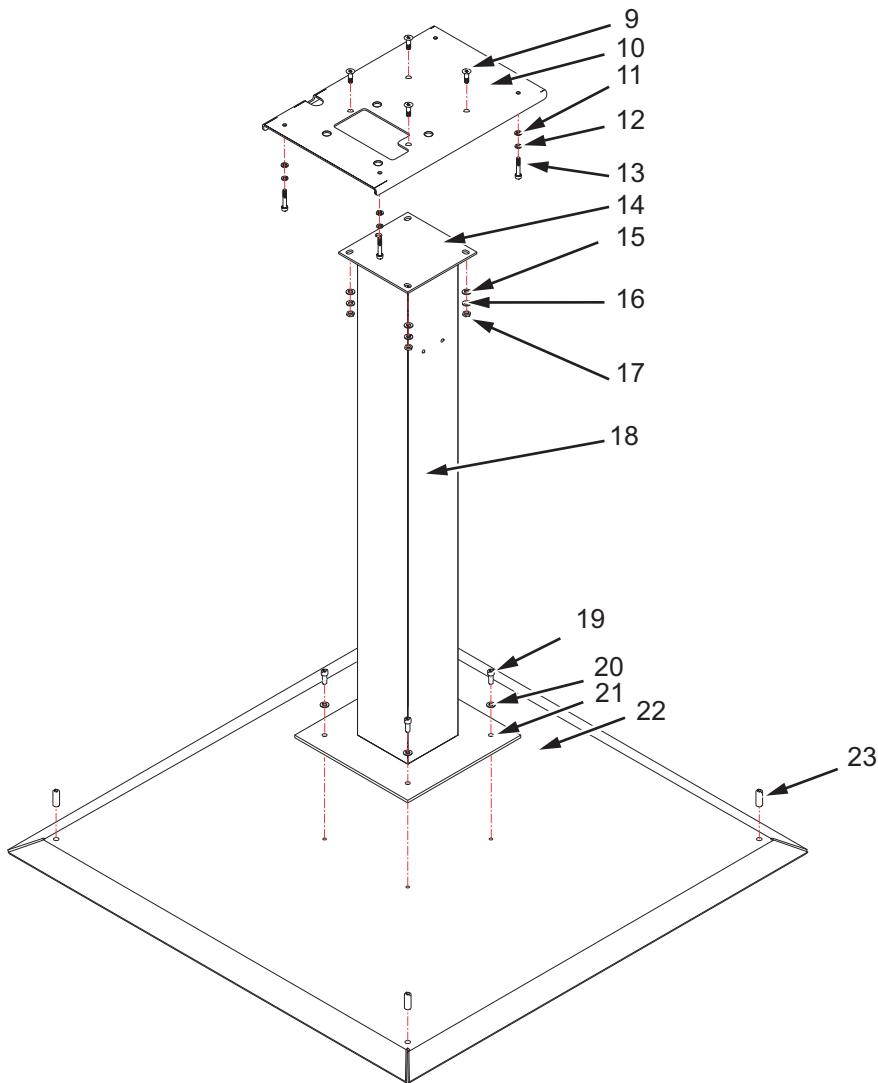


Figure 10-43: Static Stand

## Mobile Stand

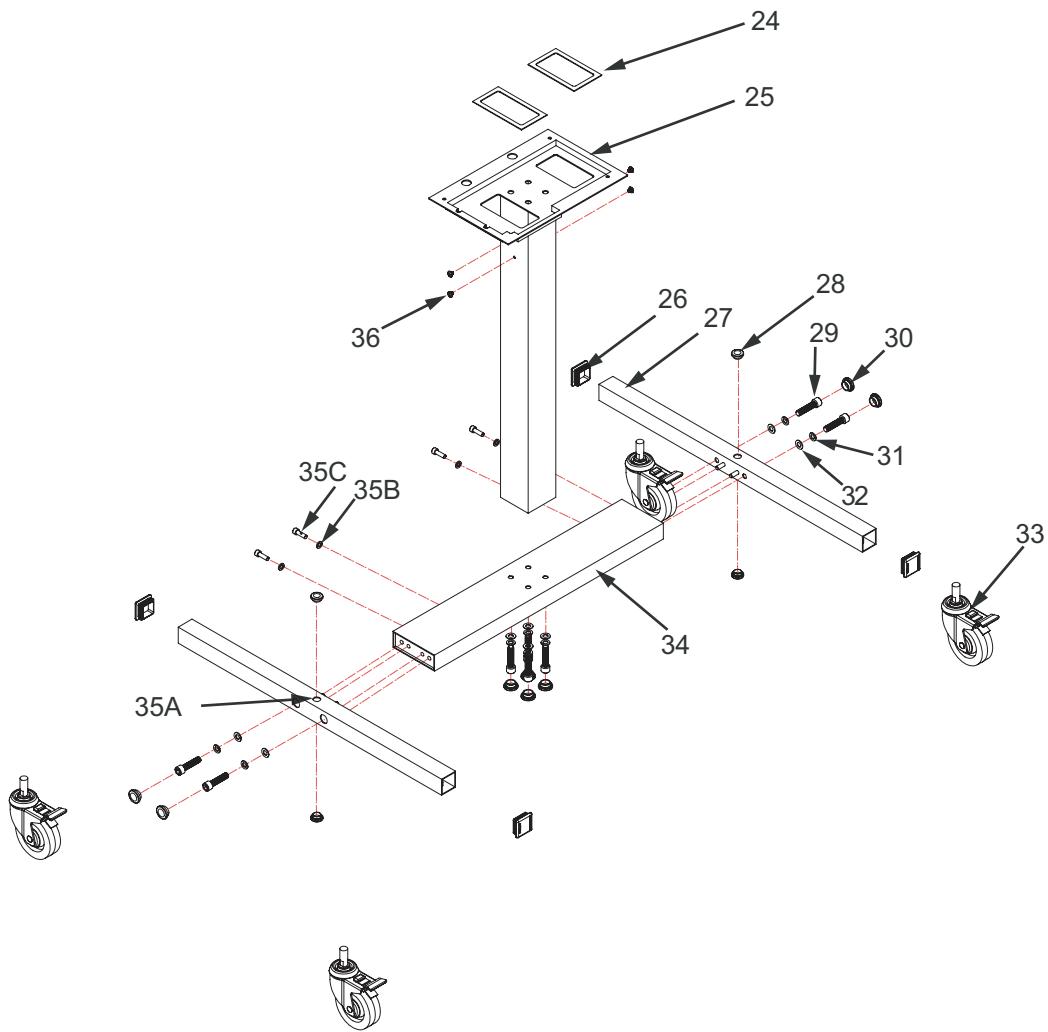


Figure 10-44: Mobile Stand

## Printhead Stand

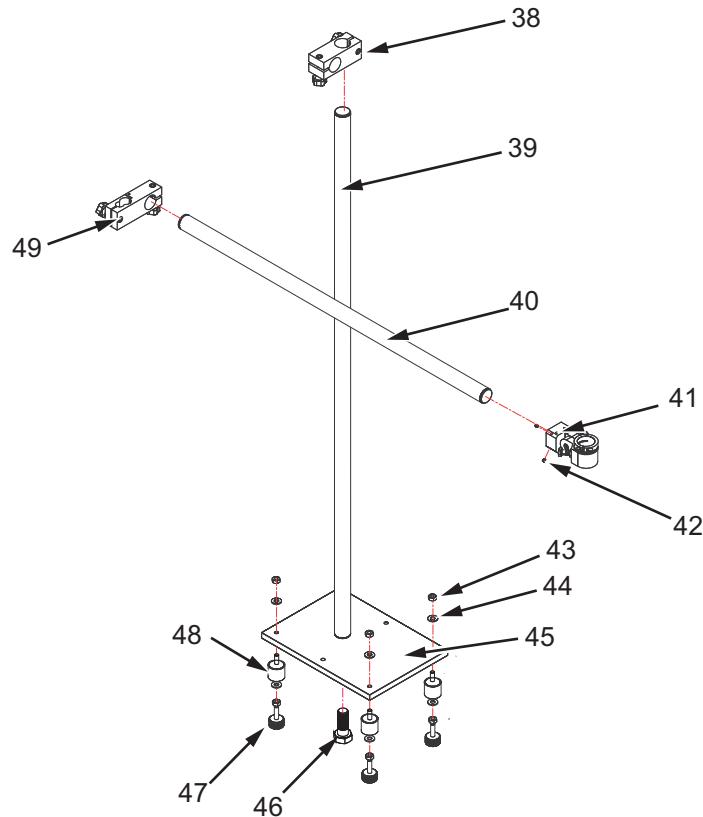


Figure 10-45: Printhead Stand

## Printhead Photocell Holder

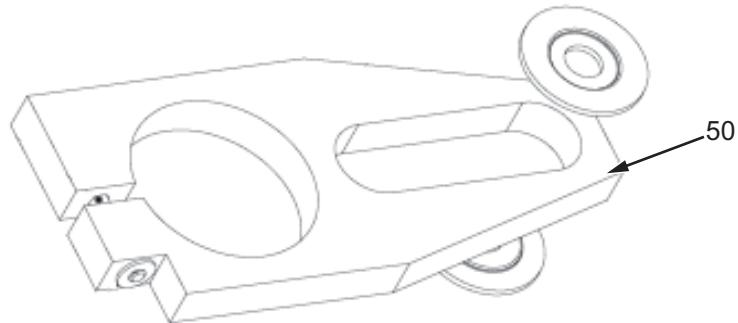


Figure 10-46: Printhead Photocell Holder - 6 mm, 8 mm, 18 mm

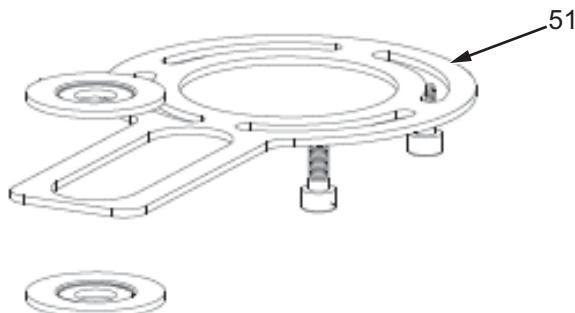


Figure 10-47: Printhead Photocell Holder -6 mm, 8 mm, 18 mm

### Wash Station Assembly

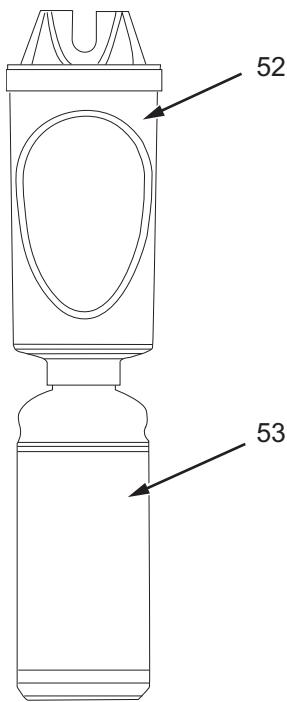


Figure 10-48: Printhead Photocell Holder -6 mm, 8 mm, 18 mm

## Shaft Encoder



Figure 10-49: Shaft Encoder

## Shaft Encoder Accessories

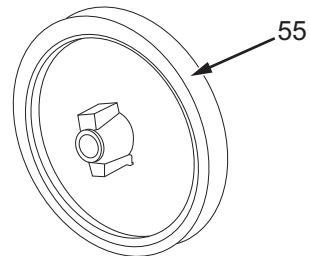


Figure 10-50: Circular Wheel

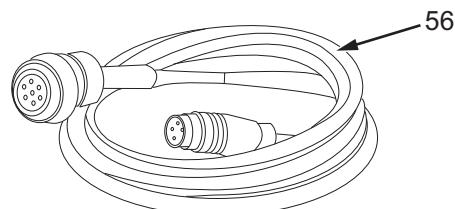


Figure 10-51: Shaft Cable



Figure 10-52: Spring Bracket

## Product Detectors

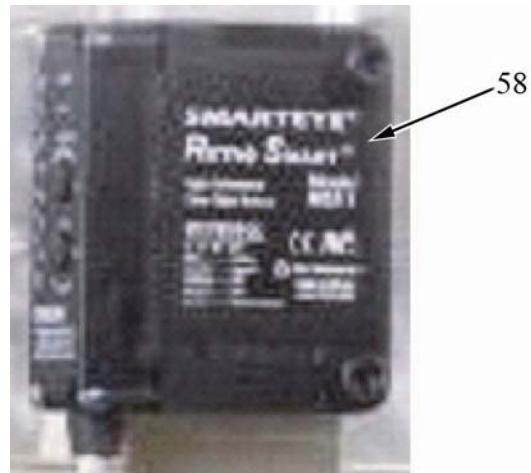


Figure 10-53: Detector Retro Smart

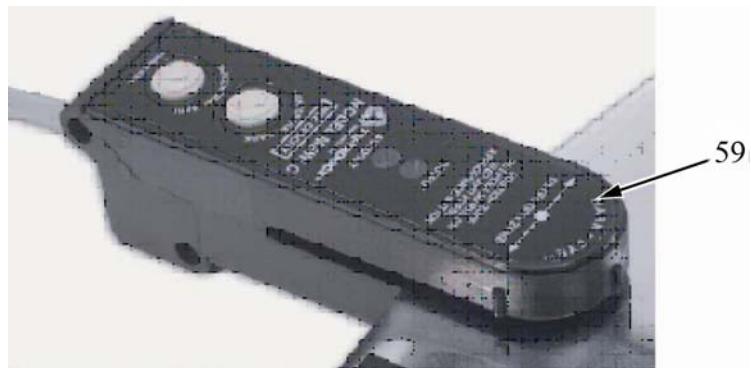


Figure 10-54: Detector Label Eye

## Power Accessories



*Figure 10-55: Power Conditioner*



*Figure 10-56: Uninterrupted Power Supply*

## Power Cord

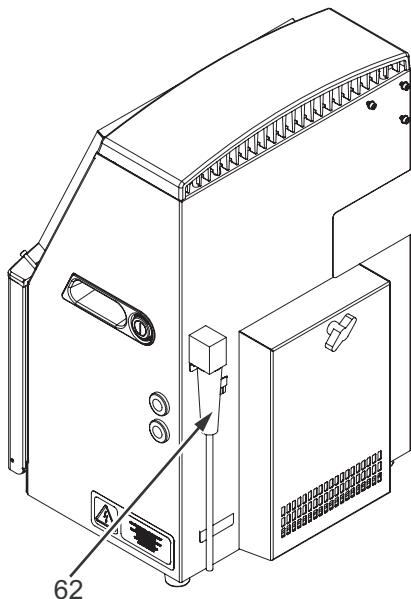


Figure 10-57: Power Cord

## Din Plugs



Figure 10-58: 3 Way DIN Plug



Figure 10-59: 7 Way DIN Plug

Item Number	P/N	Description	Qty
	<b>SP399089</b>	<b>Beacon Assembly</b>	
1		<b>Beacon</b>	1
2		<b>M4x10 Socket-head Cap Screw</b>	3
3		<b>Beacon Mounting Bracket</b>	1
	<b>399474</b>	<b>Dry Air Kit Assembly</b>	
4		<b>M4 Nylon Washers</b>	2
5		<b>Air Dryer Mounting Bracket</b>	1
6		<b>M4 x 10 Socket-head Cap Screw</b>	3
7		<b>Air Dryer</b>	1
8		<b>1/4 inch-20 x 1 inch Socket-head Screw</b>	2
	<b>399099</b>	<b>Static Stand Standard</b>	
9		<b>M6 x 16 Long Flat Socket-head Screw</b>	4
10	<b>234116</b>	<b>Adapter Plate</b>	1
11		<b>M5 Flat Washers</b>	4
12		<b>M5 Spring Lock Washers</b>	4
13		<b>M5 x 20 Long Socket-head Screw for IP55 Printers (or) M5 x 30 Long Socket-head Screw for IP65 printers</b>	4
14		<b>Column Top Plate</b>	1
15		<b>M6 Flat Washer</b>	4
16		<b>M6 Spring Lock Washer</b>	4
17		<b>M6 Hex Nut</b>	4
18		<b>Column</b>	1
19		<b>Cap-head Hex Screw, 1/4" x 20 UNC x 0.625</b>	4
20		<b>Flat Washer</b>	4
21		<b>Column Bottom Plate</b>	1
22		<b>Floor Plate</b>	1

Table 8: Accessories

Item Number	P/N	Description	Qty
23		3/8" - 16 Flat Point Socket-head, 1" Long	4
	399362	Mobile Stand Standard	
24		Mounting Plate Gasket	2
25		Printer Stand Upright	1
26		Tubing Plastic End Cap	4
27		Printer Stand Leg	4
28		16 mm Blanking Plug	4
29		SS M10-1.5 x 50 Socket-head Screw	8
30		20 mm Blanking Plug	8
31		M10 Split Washer	8
32		M10 Flat Washer	8
33		Locking Caster	4
34		Printer Stand Base	1
35A		Printhead Stand Hole	2
35B		M8 Spring Washer	4
35C		M8 x 25 Socket-head Screw	4
36		1/4"-20 Pan-head Screw	4
37*		M8 x 1.0 Screw Hole	
	399086	Printhead Stand	
38		Clamp Assembly	1
39		Vertical Tube	1
40		Printhead Cross Tube	1
41		Printhead Mount Assembly	1
42		M6 x 8 Grub Screw	2
43		M10 Nut	8
44		M10 Washer	8
45		Stand Base Plate	1
46		M16 X 40 Hex Bolt	1

Table 8: Accessories (Continued)

Item Number	P/N	Description	Qty
47		Adjustable Foot	4
48	399093	Anti-vibration Mounting	4
49		Umbilical Clamp Assembly	1
50	399278	Printhead Photocell Holder 6 mm, 8 mm, 18 mm	1
51	399294	Printhead Photocell Holder 6 mm, 8 mm, 18 mm	1
52	399085	Wash Station Assembly	1
	202047	250ml Wash Bottle	1
53	301-0007-005	Empty 1 Liter Bottle	1
54		Shaft Encoder	
		Encoders	
	41000255	2500 PPR	1
	377530	3600 PPR (use with 21000217)	1
	41000256	5000 PPR	1
		Encoder Kits	
	378815	1800 PPR kit (encoder, 25ft cable)	1
	40331750	2500 PPR kit (encoder, mounting bracket, wheel)	1
	378821	3600 PPR kit (encoder, 25ft cable)	1
	80200266	5000 PPR kit (encoder, mounting bracket, wheel)	1
55	21000217	12 inch Circular Wheel	1
	377529	12 inch Circular Wheel (With replaceable ring)	1
	377523	Replaceable ring for part 377529	1
56	378192	3 m Shaft Cable	1
	378193	6 m Shaft Cable	1
	378985	Encoder Adapter Cable Kit (To convert from older style Conxall (excel) connectors to new DIN connectors)	1
57	377519	Spring Bracket	1
58	234215	Detector Retro Smart (Clear Materials)	1

Table 8: Accessories (Continued)

Item Number	P/N	Description	Qty
59	234213	Detector Label Eye (Web Printing)	1
	234214	Detector Mark Eye (Web Registration Mark)	1
59A*	378981	Product Detector Adapter Cable (To convert from older style Conxall (excel) connectors to new DIN connectors)	1
60	356841-02	120 V Power Conditioner	1
	234597	240 V Power Conditioner	1
61	80000008	Uninterrupted Power Supply (120 V Version)	1
62		Power Cord (Refer to Table 10-9 on page 52)	1
63	500-0036-578	3 Way DIN Plug (Photo Cell) For product detector and reverse printing input	1
64	500-0036-583	7 Way DIN Plug (Relays) For Print Ready output and warnings	1
65*	500-0036-577	6 Way DIN Plug (Alert Beacon)	1
66*	500-0036-581	4 Way DIN Plug (Shaft Encoder)	1
67*	500-0036-584	8 Way DIN Plug (Message Select A/B)	1
68*	500-0076-141	DIN Plug Dust Cap	1
69*	399133	Exhaust Kit	1
70*	Refer item 48	Anti Vibration Kit Stand	1
71*	399068	Printhead Mounting	1
72*	399098	Universal Printhead Mounting	1
73*	500-0036-582	5 Way DIN Plug (RS232)	1
74*	234433	5 Way DIN Plug (RS485)	1
75*	399504	25 way I/O (PCB 4) Cable	1
76*	SP378810	Alarm cable - 7 way DIN connector with 6ft cable	1
77*	SP378982	Encoder Adapter Cable	1
78*	399475	25 way I/O (PCB 4) Cable Kit	1

Table 8: Accessories (Continued)

\*- Items are not shown in the figure

## Power Cord

Part Number	Description
<b>SP399205</b>	<b>Mains Power Cable International</b>
<b>399251</b>	<b>120V Molded Plug Power Cord (Type B)</b>
<b>399252</b>	<b>European Union Molded Plug Power Cord (Type F)</b>
<b>399253</b>	<b>Danish Molded Plug Power Cord (Type K)</b>
<b>399254</b>	<b>Italian Molded Plug Power Cord (Type C)</b>
<b>399255</b>	<b>Swiss Molded Plug Power Cord (Type J)</b>
<b>399256</b>	<b>UK Molded Plug Power Cord (Type G)</b>
<b>399257</b>	<b>China Molded Plug Power Cord (Type I)</b>
<b>399258</b>	<b>India Molded Plug Power Cord (Type D)</b>
<b>399261</b>	<b>Swedish Molded Plug Power Cord</b>
<b>399262</b>	<b>Finnish Molded Plug Power Cord</b>
<b>399263</b>	<b>Norwegian Molded Plug Power Cord</b>

Table 10-9: Power Cord

# Miscellaneous Accessories

## Connectivity

Part Number	Description
80200258	RS-232 Cable
399186	Extension Cables 3 m RS485
399062	Extension Cables 6 m RS232
399279	Lampstack Extension Cable Beacon 6m
223213	External Ethernet Connector Cable 5 m
395898	Ethernet Connector Kit Spares
395899	USB Connector Kit Spares

Table 10-10: Connectivity

## Hydraulics

Part Number	Description
399072	Tubing Kit Spare

Table 10-11: Hydraulics

## Printhead and Umbilical

Part Number	Description
397339	Printhead and Umbilical Complete (3 m), UHS (40 micron)
395920	Printhead and Umbilical Complete (3 m), UHS (50 micron)
399506	Printhead and Umbilical Complete (3 m) 60 micron
395679	Printhead and Umbilical Complete (3 m) 70 micron
395962	Printhead and Umbilical Complete (3 m), UHS (50 micron) FG
399555	Printhead and Umbilical Complete (3 m) 60 micron FG
395681	Printhead and Umbilical Complete (3 m) 70 micron FG
397340	Printhead and Umbilical Complete (6 m), UHS (40 micron)
395921	Printhead and Umbilical Complete (6 m), UHS (50 micron)
399507	Printhead and Umbilical Complete (6 m) 60 micron
395680	Printhead and Umbilical Complete (6 m) 70 micron
395963	Printhead and Umbilical Complete (6 m), UHS (50 micron) FG
399556	Printhead and Umbilical Complete (6 m) 60 micron FG
395682	Printhead and Umbilical Complete (6 m) 70 micron FG
399508	Printhead Chassis and Umbilical (3 m)
399587	Printhead Chassis and Umbilical (3 m) FG
399509	Printhead Chassis and Umbilical (6 m)
399588	Printhead Chassis and Umbilical (6 m) FG
397355	Valve Deck Assembly UHS (40 micron)
SP399355	Printhead Cover and Screw
SP395805	UHS Printhead Cover and Screw
395677	Cleaning Brush
395676	Cleaning Kit

Table 10-12: Printhead and Umbilical

## 90 Degree Printhead and Umbilical

Part Number	Description
397644	90 Degree Printhead and Umbilical Complete (3m), UHS 40 micron
399644	90 Degree Printhead and Umbilical Complete (3m) 60 micron
395710	90 Degree Printhead and Umbilical Complete (3m) 70 micron
399653	90 Degree Printhead and Umbilical Complete (3m) 60 micron FG
395712	90 Degree Printhead and Umbilical Complete (3m) 70 micron FG
397645	90 Degree Printhead and Umbilical Complete (6m), UHS 40 micron
399645	90 Degree Printhead and Umbilical Complete (6m) 60 micron
395711	90 Degree Printhead and Umbilical Complete (6m) 70 micron
399654	90 Degree Printhead and Umbilical Complete (6m) 60 micron FG
395713	90 Degree Printhead and Umbilical Complete (6m) 70 micron FG
399634	90 Degree Printhead Chassis and Umbilical (3m)
399655	90 Degree Printhead Chassis and Umbilical (3m) FG
399635	90 Degree Printhead Chassis and Umbilical (6m)
399656	90 Degree Printhead Chassis and Umbilical (6m) FG
SP399594	90 Degree Printhead Sleeve and Screw
395929	90 Degree UHS Printhead Sleeve and Screw

Table 10-13: 90 Degree Printhead and Umbilical

## Tools Kit

There are several tools in the tool kit for normal maintenance of printer.

### The Service Tool Kit (TL399250)

Table 10-14 lists the tool kit items and their part numbers.

Part Number	Description
234639	Allen/Hex Key, 0.035 inch, Set of 5
234638	M4 Nut Spinner (7mm)
234642	Ball Driver 2mm
234643	Ball Driver 2.5mm
234644	Ball Driver 3mm
234645	Ball Driver 4mm
234650	Side Cutters
234640	Allen/Hex Key 1.27mm, Set of 5
234641	Allen/Hex Key 1.5mm, Set of 5
234651	Folding Knife
234652	Knife Blades
234653	Spanner/Wrench 7mm
234654	Spanner/Wrench 1/2 inch
234655	Screwdriver Flat Blade 2.5mm
234657	DIN Spanner/Wrench
234658	Tube Cutter
355269	Loupe Magnifying Glass
234494	USB A to USB A Cable
399280	System Manifold Pressure Test Tool
399247	Nozzle Bypass Manifold Kit
234646	Torx Driver T10
234647	Torx Driver T20

Table 10-14: TL399250 Tool Kit Parts List

Part Number	Description
234632	<b>USB Memory Stick 2GB</b>
234638	<b>M4 Nut Spinner (7mm)</b>
234648	<b>No.1 Pozidrive</b>
234649	<b>No.2 Pozidrive</b>
399519	<b>Bonding Strap</b>
	<b>Tool Bag</b>

Table 10-14: TL399250 Tool Kit Parts List (Continued)