

Chapter 8

Parts List

This section describes the overall operation of the InkCenter™ Refill System and the processes within each of the system's major components. Information is organized into the following topics:

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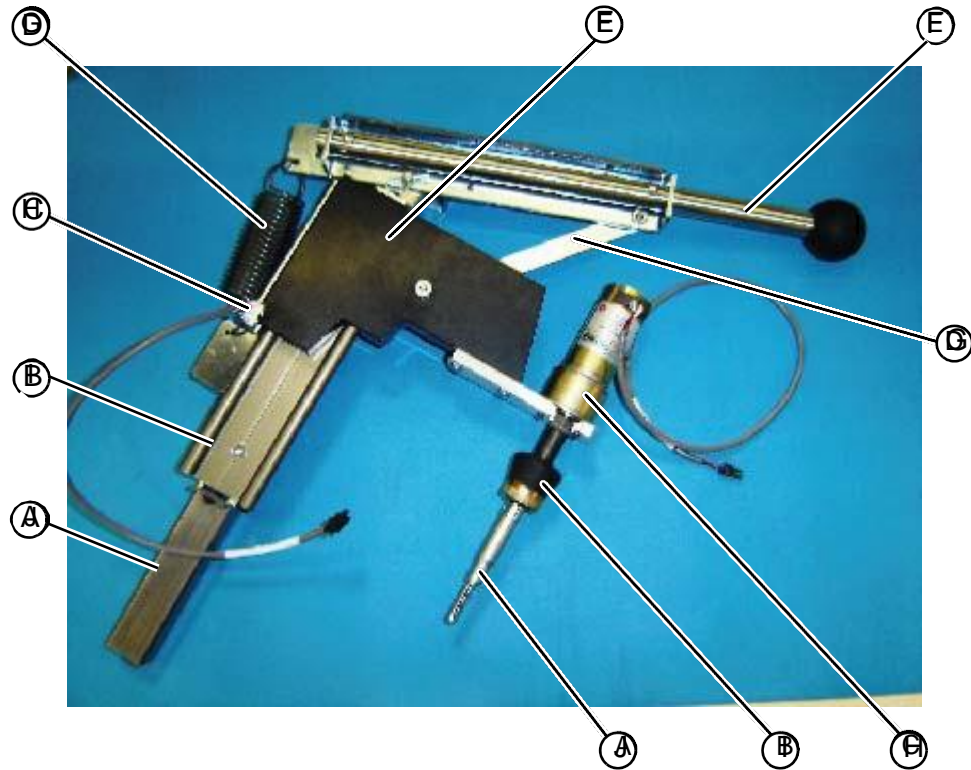
8.1 Drill Station

8.1.1 Drill Station Orderable Parts

Part Number	Description
301424-00	Drill motor assembly
301564-00	Drill press assembly
301423-00	Drill press microswitch
301563-00	Drill side fascia
300795-00	Drill press grip knob
301238-00	Wipes container lid
301239-00	Wipes container
301262-00	Drill press brush strip

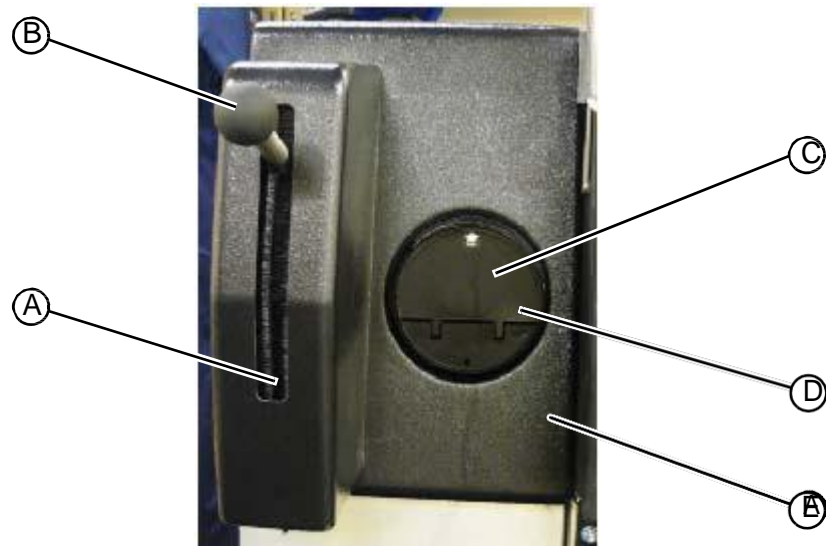
8.1.2 Drill Station Illustrations

Figure 8.1: Drill press assembly



Callout	Component	Part Number
A	Drill post (drill press assembly)	301564-00
B	Drill slide (drill press assembly)	301564-00
C	Drill press microswitch	301423-00
D	Drill spring (drill press assembly)	301564-00
E	Drill slide mount bracket assembly (drill press assembly)	301564-00
F	Drill lever arm (drill press assembly)	301564-00
G	Drill arm linkage (drill press assembly)	301564-00
H	Drill motor assembly	301424-00
I	Quick release drill chuck (drill motor assembly)	301424-00
J	Drill bit assembly (drill motor assembly)	301424-00

Figure 8.2: External drill station components



Callout	Component	Part Number
A	Drill press brush strip	301262-00
B	Drill press grip knob	300795-00
C	Wipes container lid	301239-00
D	Wipes container	301238-00
E	Drill side fascia	301563-00

8.2 Prep Station

8.2.1 Prep Station Orderable Parts

Part Number	Description
301528-00	Prep station assembly
301473-00	Prep station receiver plate assembly
300863-03	Prep station seal
301505-01	Prep station vacuum filter
301526-00	Prep station receiver latch kit

8.2.2 Prep Station Illustrations

Figure 8.3: Prep station assembly



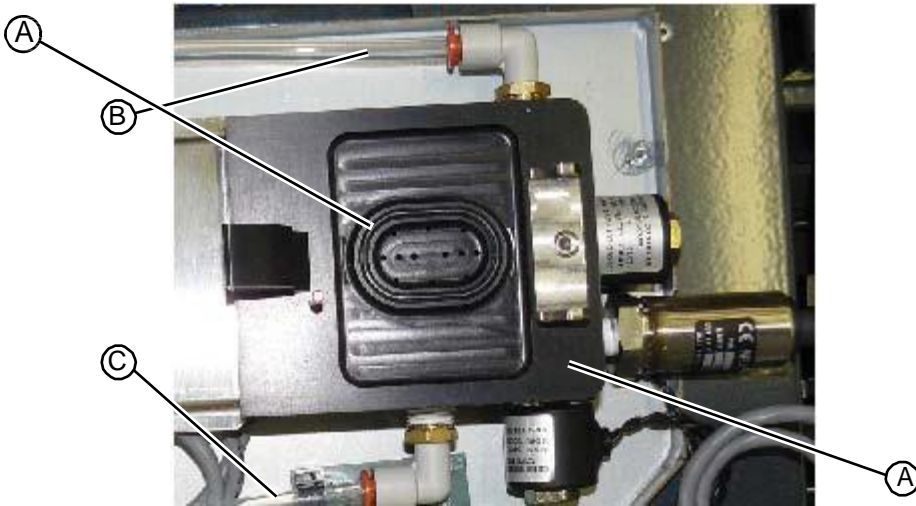
Callout	Component	Part Number
A	Prep station assembly	301528-00

Figure 8.4:Prep station receiver plate assembly



Callout	Component	Part Number
A	Prep station receiver plate assembly	301473-00

Figure 8.5:Prep station seal



Callout	Component	Part Number
A	Prep station seal	300963-03

Figure 8.6: Prep station vacuum filters



Callout	Component	Part Number
A	Prep station vacuum filters	301505-01

8.3 Fill Station

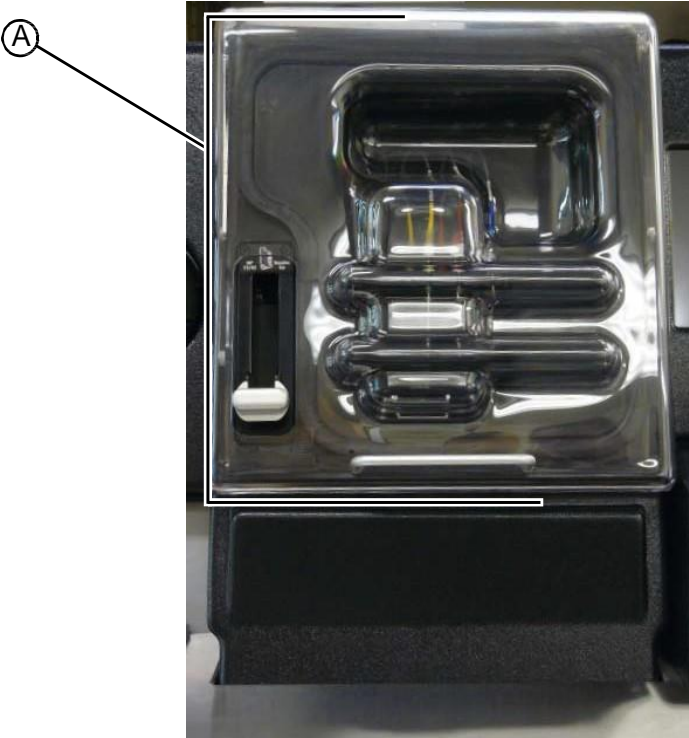
8.3.1 Fill Station Orderable Parts

Part Number	Description
301559-00	Vacuum chamber assembly
300389-00	Vacuum chamber door
301061-01	Vacuum chamber door upper hinge arms
300881-00	Vacuum chamber door spring rod arm
301056-05	Vacuum chamber receiver seal plate
300654-03	Vacuum chamber fill seal
301061-01	Vacuum chamber door upper arm
301542-00	Vacuum chamber hinge repair kit
301422-00	Vacuum chamber gasket
300404-00	HP45 station assembly
300720-02	HP45 station seal
301384-00	Extended distance reed sensor
301123-00	RFID reader
301414-00	Infusion pump drive system
301415-00	10 mL syringe
301416-00	Fluid distribution valve
300662-00	Fluid supply line 1-A
300663-00	Fluid supply line 2B
300664-00	Fluid supply line 3-C
300665-00	Fluid supply line 4-D
300666-00	Fluid supply line 5-E
300667-00	Fluid supply line 6-F

Part Number	Description
300668-00	Fluid supply line 7-G
300671-00	Black ink dispense line
300672-00	Yellow ink dispense line
300673-00	Magenta ink dispense line
300674-00	Cyan ink dispense line
300675-00	HP45 ink dispense line
300676-00	HP45 cleaning fluid line
300677-00	Syringe cleaning fluid line
300678-00	Syringe vacuum line
300679-00	HP45 vacuum line
301534-00	Black ink injector assembly
301535-00	Yellow ink injector assembly
301536-00	Magenta ink injector assembly
301537	Cyan ink injector assembly
300624-00	Ink nest assembly
301482-00	Ink bottle caps
301521-00	Sealing washer package for 1/4-28 ports

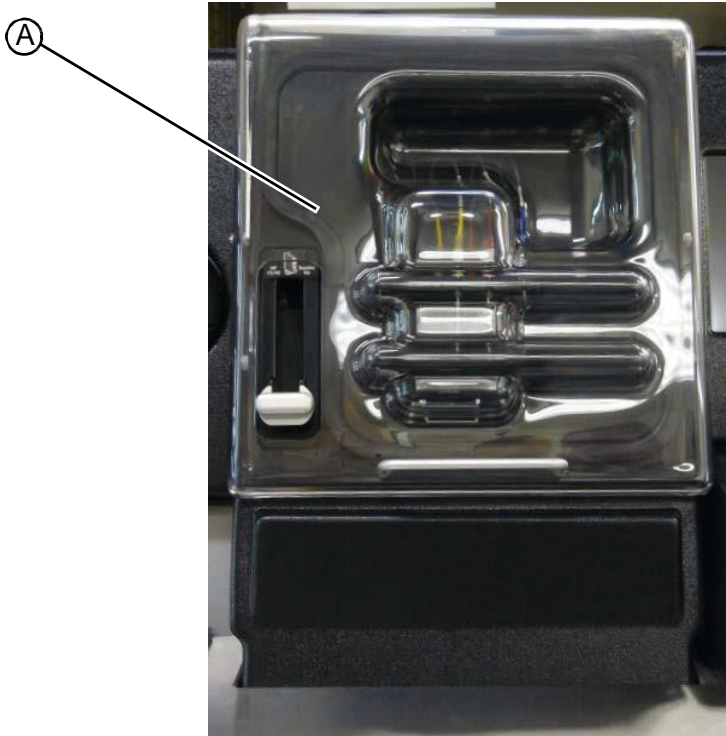
8.3.2 Fill Station Illustrations

Figure 8.7: Vacuum chamber assembly



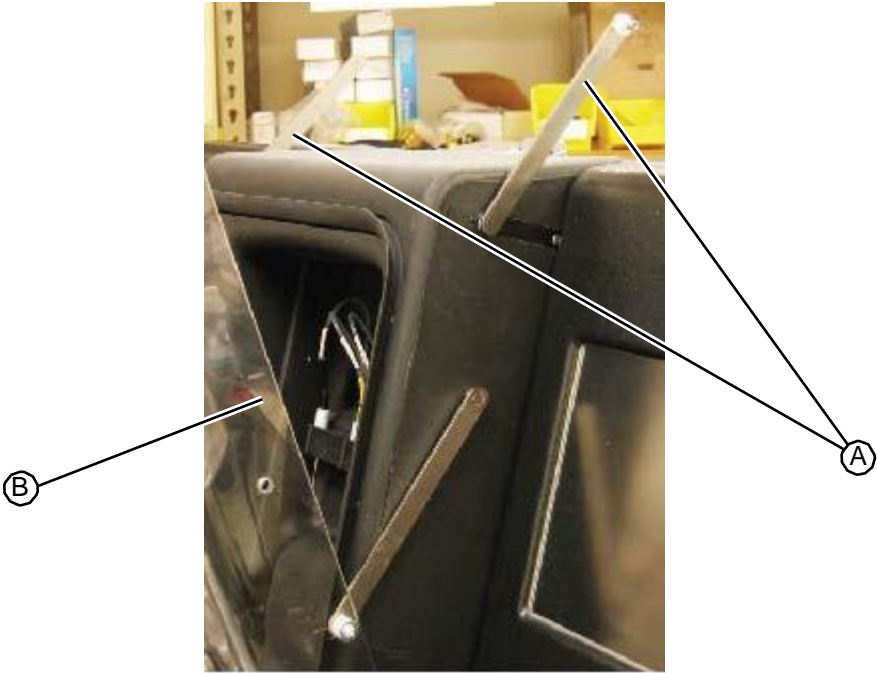
Callout	Component	Part Number
A	Vacuum chamber assembly	301559-00

Figure 8.8: Vacuum chamber door



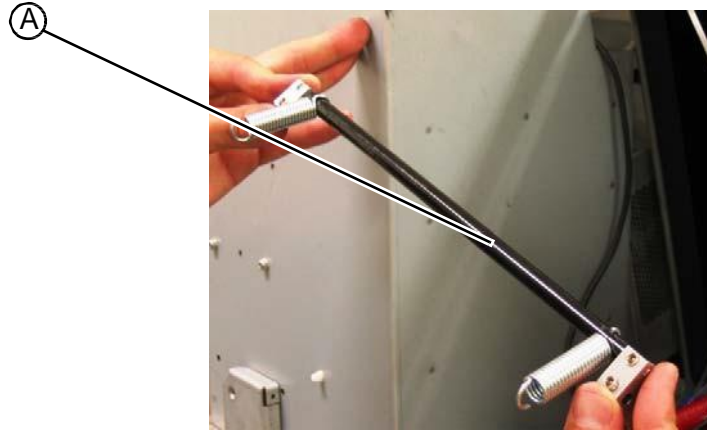
Callout	Component	Part Number
A	Vacuum chamber door	300389-00

Figure 8.9: Vacuum chamber door hinge arm



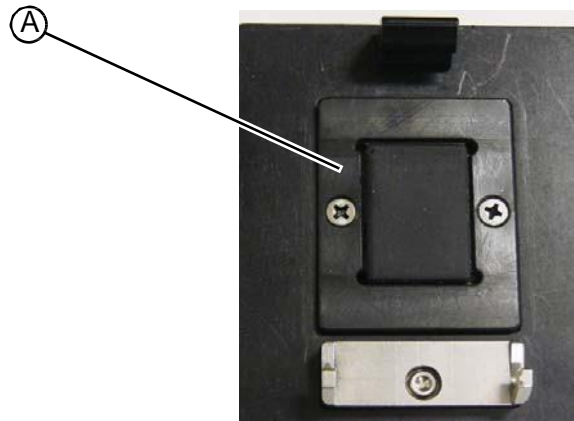
Callout	Component	Part Number
A	Vacuum chamber door upper hinge arms	301061-01

Figure 8.10:Location of spring arm levers on the spring arm rod

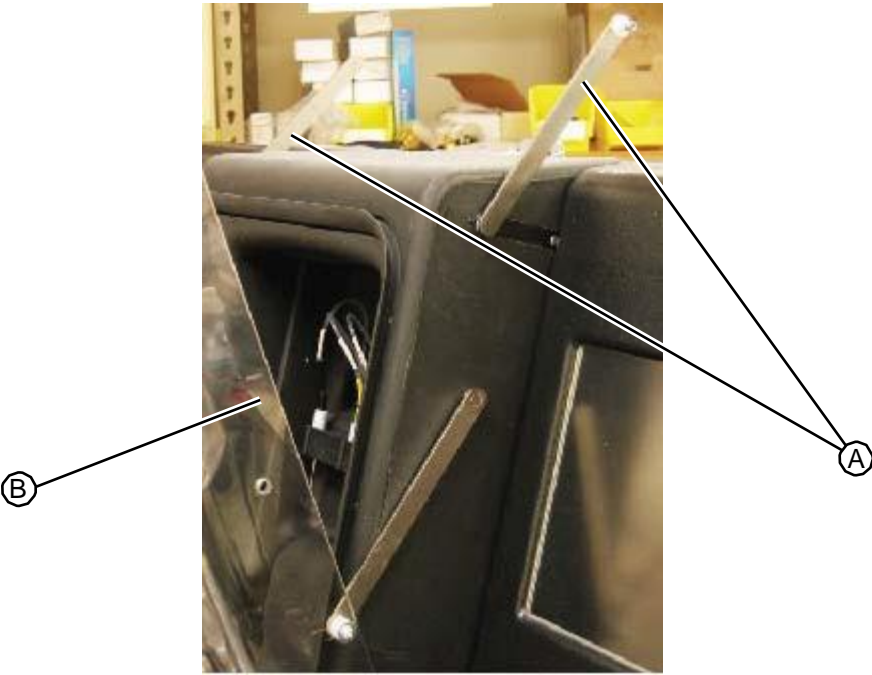


Callout	Component	Part Number
A	Vacuum chamber spring arm rod	300881-00

Figure 8.11:Vacuum chamber receiver seal plate

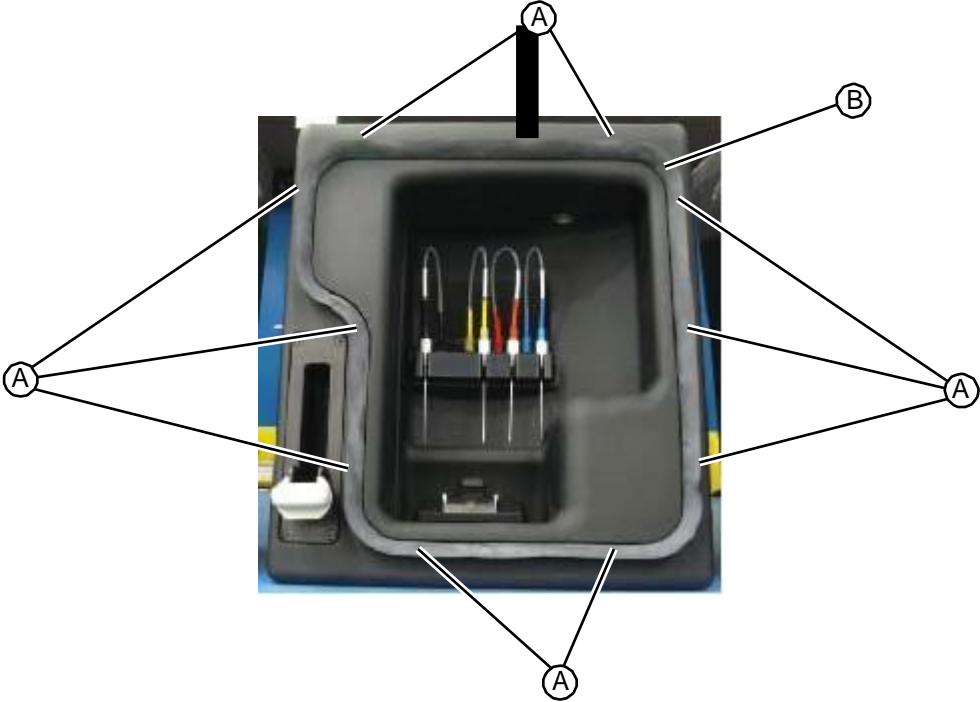


Callout	Component	Part Number
A	Vacuum chamber receiver seal plate	301056-05



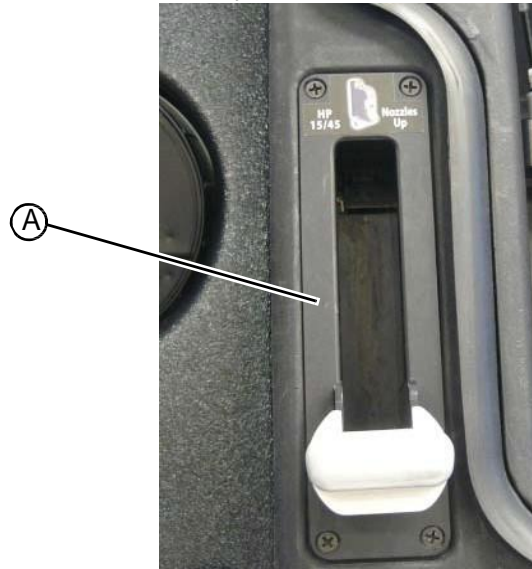
Callout	Component	Part Number
A	Vacuum chamber lower hinge arms	300613-00

Figure 8.13: Vacuum gasket



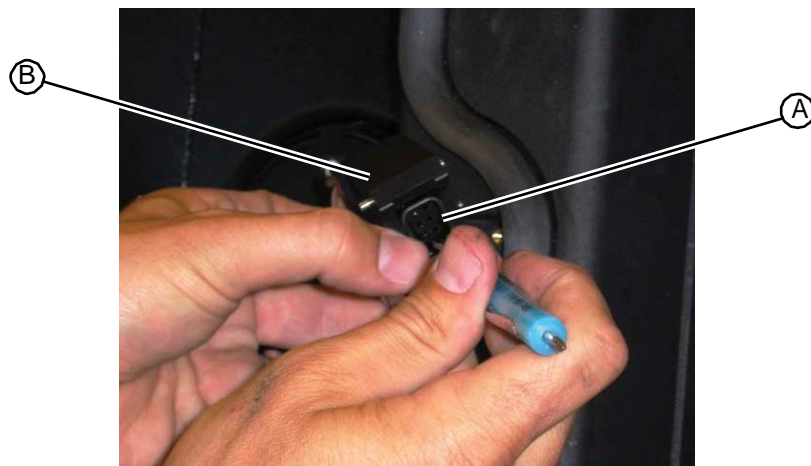
Callout	Component	Part Number
A	Vacuum chamber gasket	301422-00

Figure 8.14:HP45 station assembly

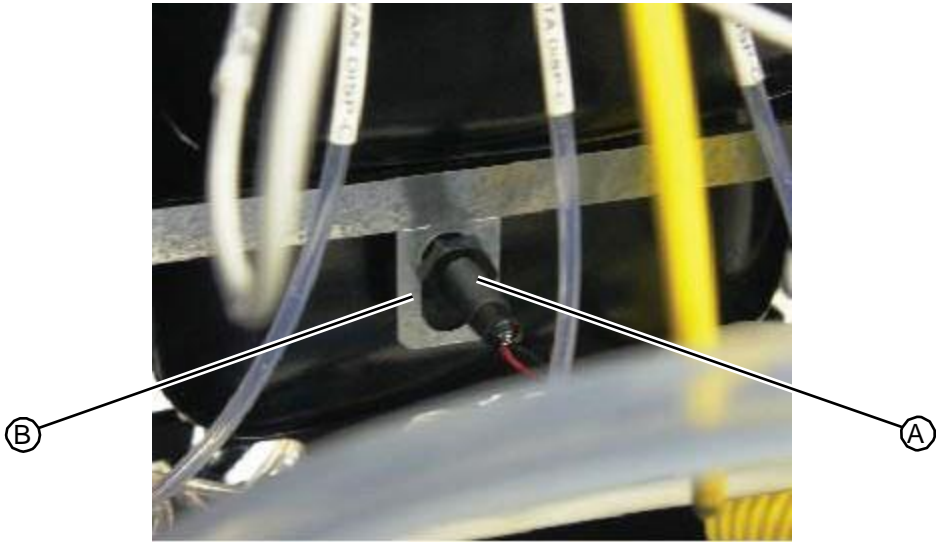


Callout	Component	Part Number
A	HP45 station assembly	301614-00

Figure 8.15:HP45 station seal

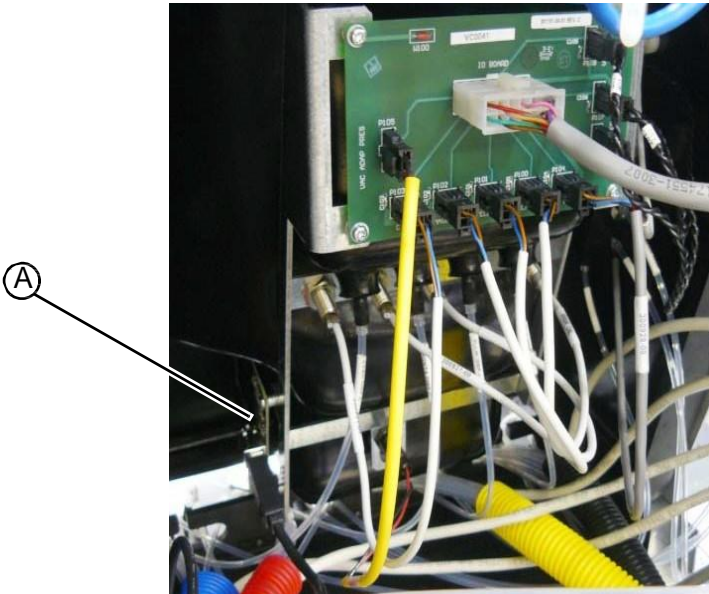


Callout	Component	Part Number
A	HP45 station seal	300720-02



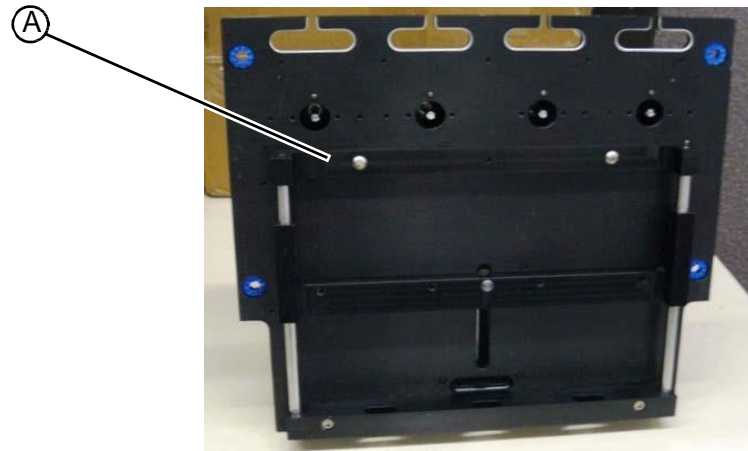
Callout	Component	Part Number
A	Vacuum chamber reed sensor	300932-00

Figure 8.17:RFID reader



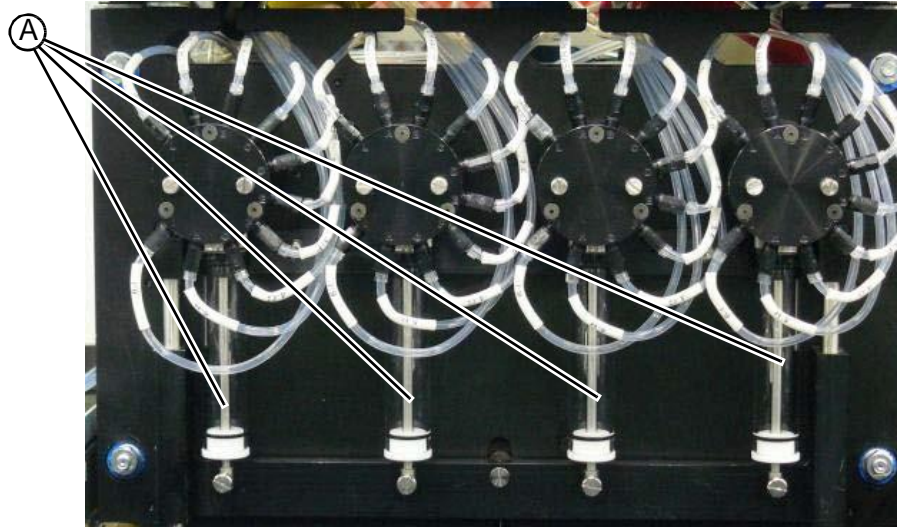
Callout	Component
A	RFID reader

Figure 8.18: Infusion pump drive system



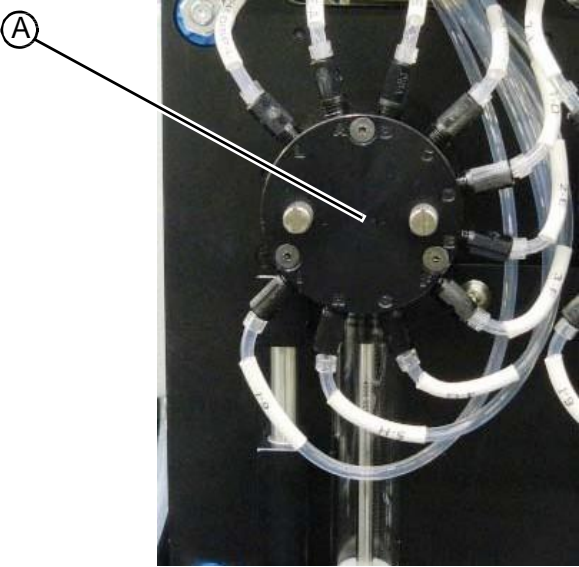
Callout	Component	Part Number
A	Infusion pump drive system assembly	301414-00

Figure 8.19: Syringes



Callout	Component	Part Number
A	Syringe	301415-00

Figure 8.20:Fluid distribution valve



Callout	Component	Part Number
A	Fluid distribution valve	301416-00

Figure 8.21:Fasteners that secure the panel to the top of the ink drawer



Callout	Component	Part Number
A	Ink nest assemblies	300624-00

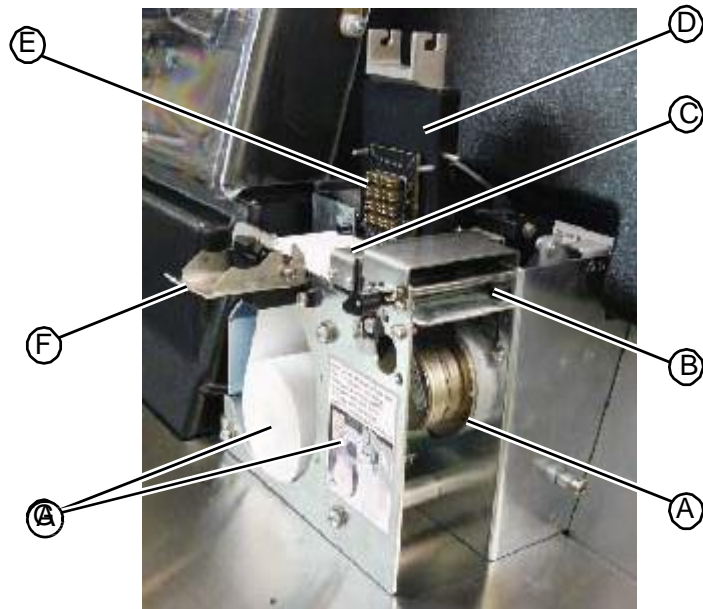
8.4 Tester Station

8.4.1 Tester Station Orderable Parts

Part Number	Description
301470-00	Tester station assembly
300528-00	Tester top hook mount
300534-00	Tester cable cover
300924-00	Tester paper sensor
300932-00	Tester reed sensor
301529-00	Tester latch kit
301531-00	Tester interconnect board assembly
301532-00	Tester front paper guide
300400-00	Tester station cover handle
300530-00	Tester station cover
301530-00	Tester standoff replacement kit
301086-00	Tester vacuum line

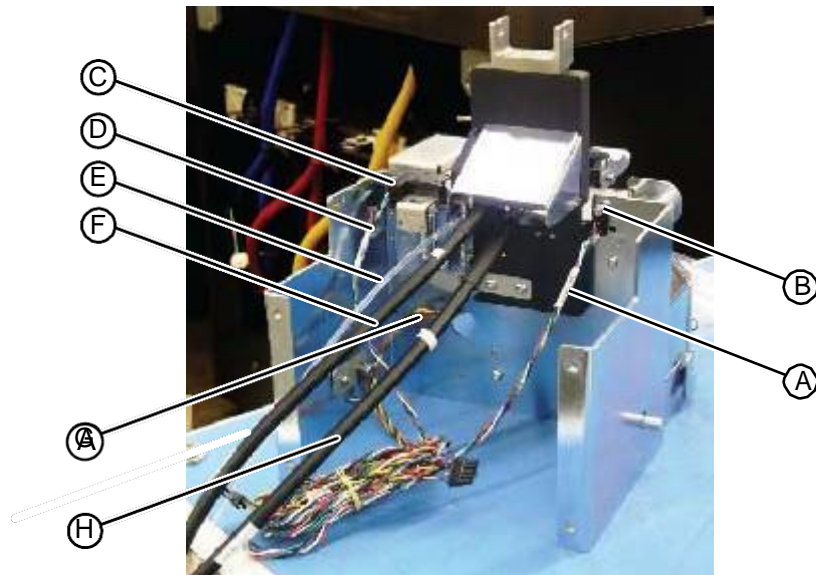
8.4.2 Tester Station Illustrations

Figure 8.22: Tester station assembly with tester cover removed



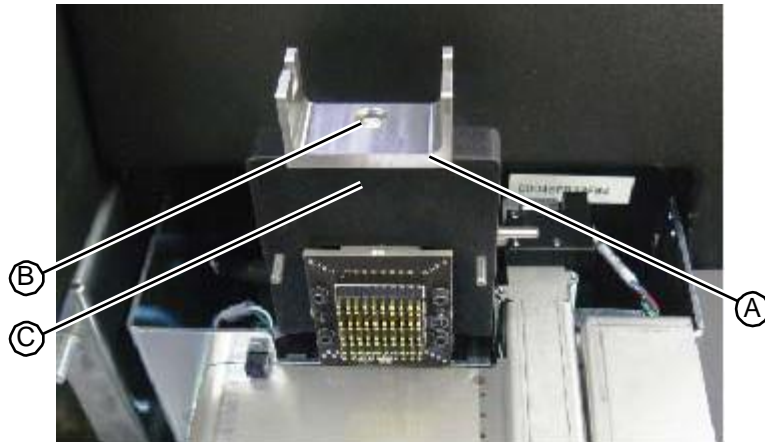
Callout	Component	Part Number
A	Tester station assembly	301470-00

Figure 8.23: Rear inside view of tester station assembly



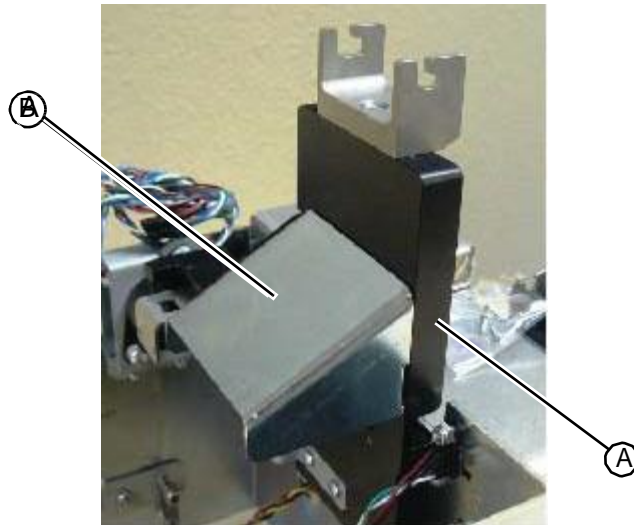
Callout	Component	Part Number
A	Tester station assembly	301470-00

Figure 8.24:Tester top latch



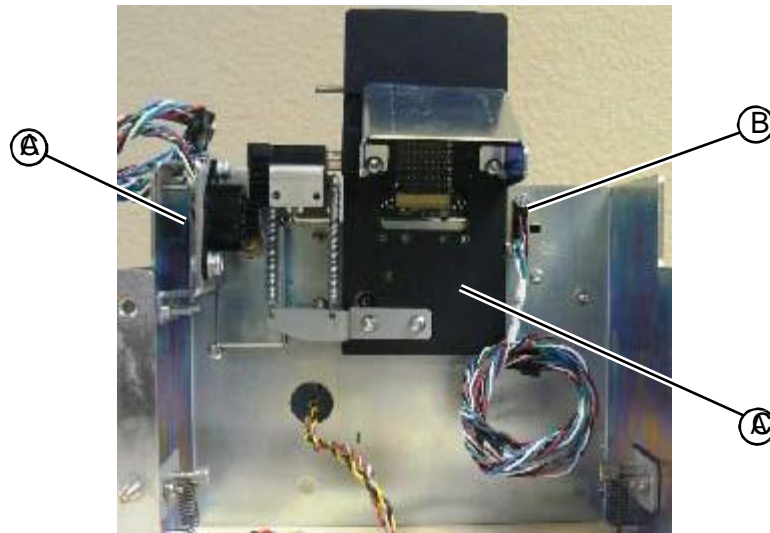
Callout	Component	Part Number
A	Tester top hook mount	300528-00
B	Tester fixture mount	N/A

Figure 8.25:Tester cover fixture



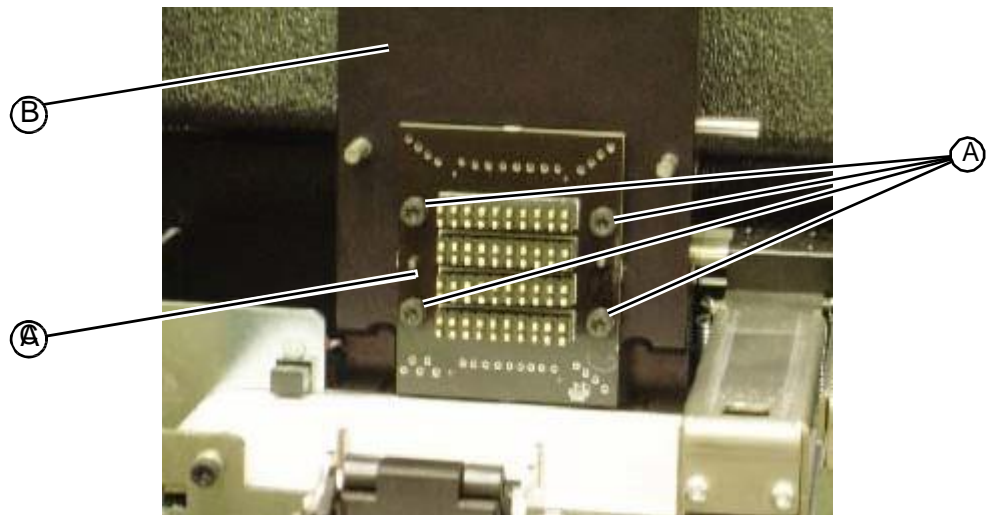
Callout	Component	Part Number
A	Tester cable cover	300534-00

Figure 8.26:Location of the thru-beam paper sensors from the back of the tester assembly



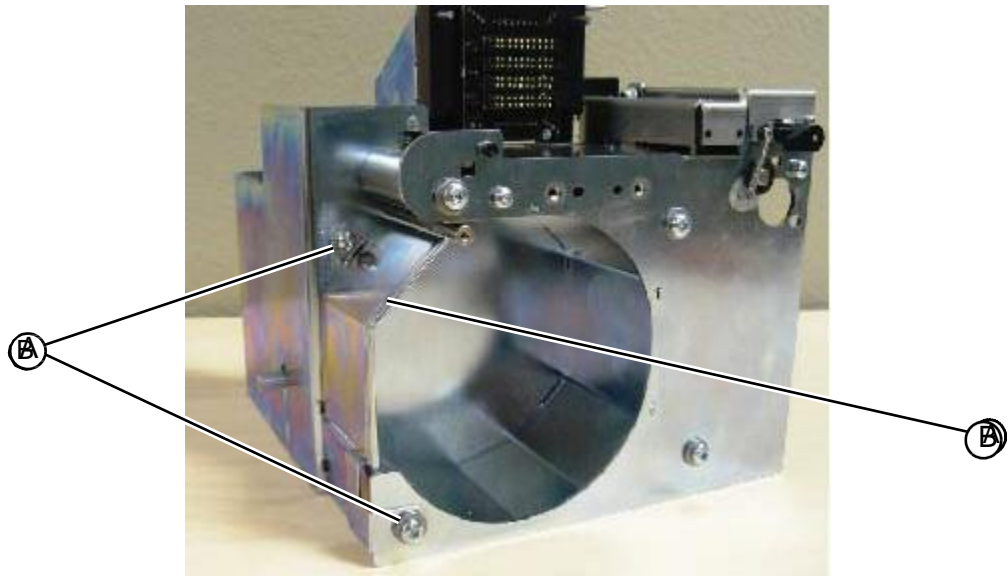
Callout	Component	Part Number
A	Thru-beam paper sensor at paper exit guide	300924-00
B	Thru-beam paper sensor above front paper guide	300924-00
C	Back of tester fixture mount	N/A

Figure 8.27:Tester interconnect board



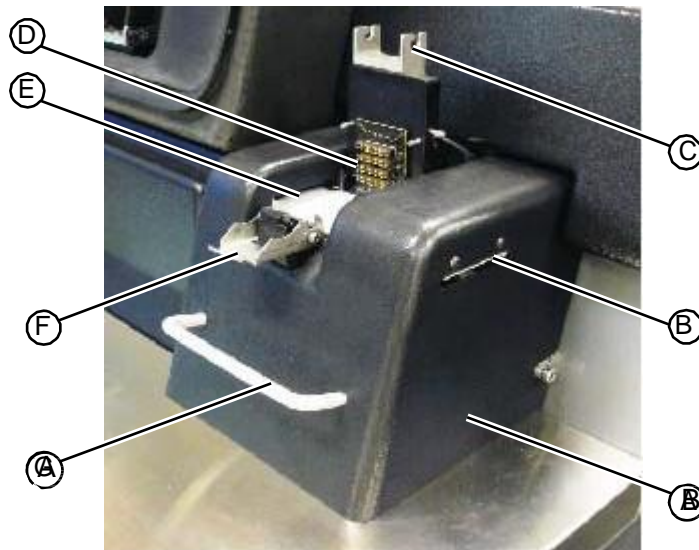
Callout	Component	Part Number
A	Tester interconnect PC board	301531-00
B	Tester fixture mount	N/A

Figure 8.28: Front paper guide



Callout	Component	Part Number
A	T15 torx fasteners (common fastener kit)	301525-00
B	Tester front paper guide	301532-00

Figure 8.29: tester station cover and handle



Callout	Component	Part Number
A	Tester station cover handle	300400-00
B	Tester station cover	301612-00

8.5 Computer and Electrical Components

8.5.1 Computer Components Orderable Parts

Part Number	Description
300609-00-11	Main I/O board
300610-05-01	AC/DC distribution board
300621-00-01	Ink drawer board
300902-00	Touchscreen/motherboard assembly
301151-00-01	Vacuum chamber board
301250-00	Prep station fluid sensor board
301527-00	Tester board set

8.5.2 Computer Components Illustrations

Figure 8.30: Main I-O PC board

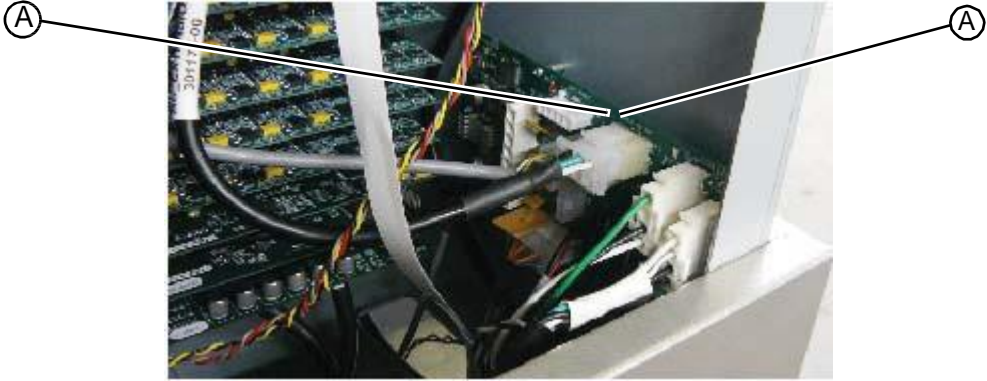
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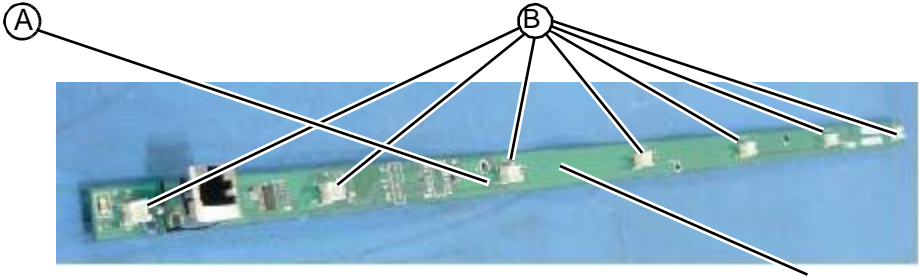
Callout	Component	Part Number
A	AC/CD power distribution PC board	300609-11

Figure 8.31: Location of AC/DC power distribution PC board in the electrical tower



Callout	Component	Part Number
A	AC/DC power distribution PC board	300610-02-01

Figure 8.32: Ink nest connectors on the ink drawer PC board



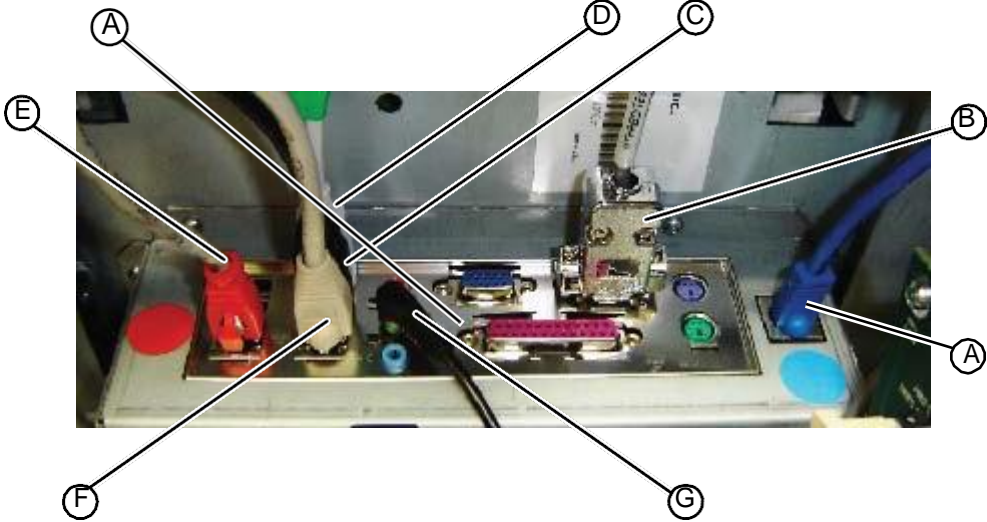
Callout	Component	Part Number
B	Ink drawer PC board	300621-00-01

Figure 8.33: Touchscreen assembly



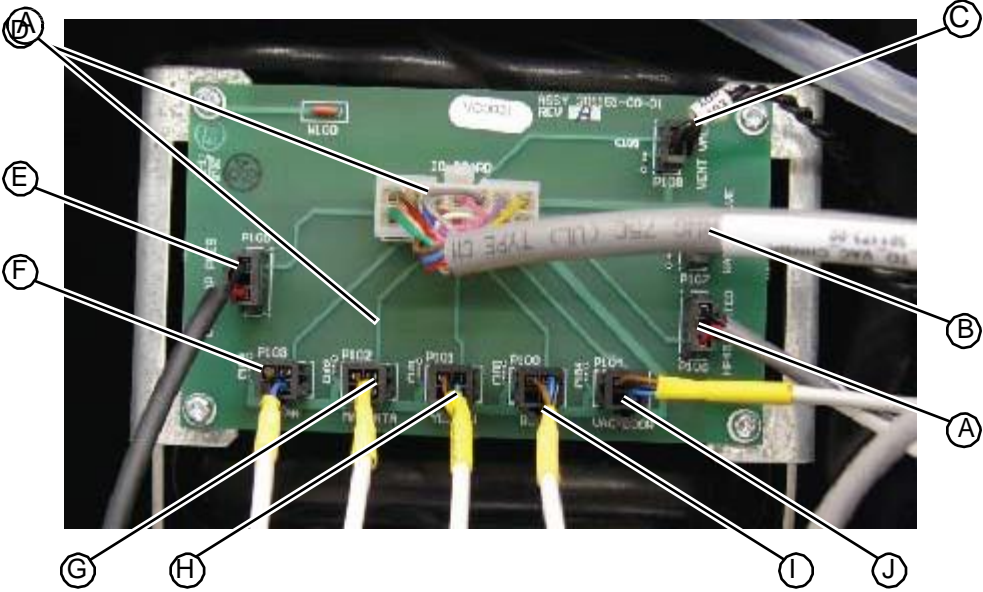
Callout	Component	Part Number
B	Touchscreen assembly	300902-00

Figure 8.34: Cable connections on top of the touchscreen assembly



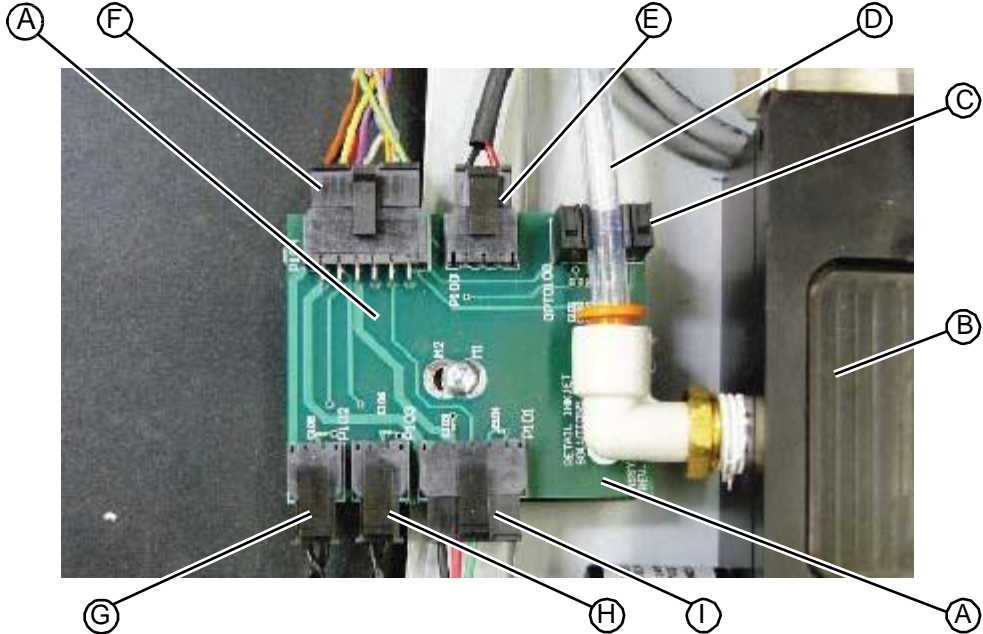
Callout	Components	Part Number
A	Touchscreen assembly	300902-00

Figure 8.35: Cable connections on the vacuum chamber PC board



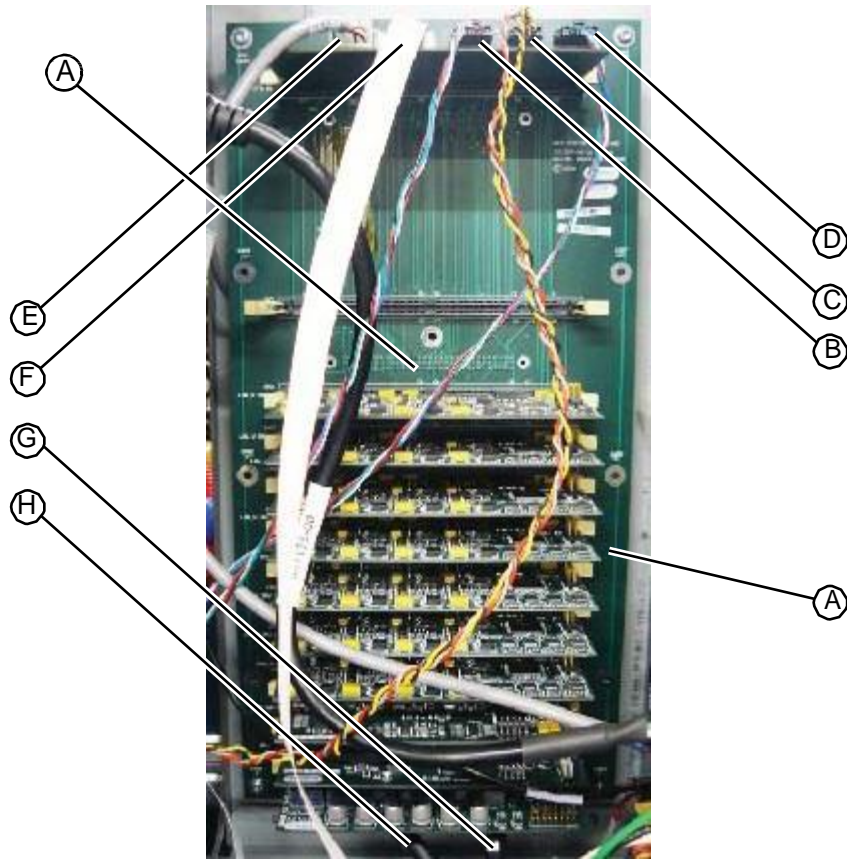
Callout	Components	Part Number
A	Vacuum chamber board	301151-00-01

Figure 8.36: Fluid sensor board connections



Callout	Component	Part Number
A	Prep station fluid sensor board	301250-00

Figure 8.37: Cable connections at the tester PC backplane board.



Callout	Component	Part Number
H	Tester board xet	301527-00

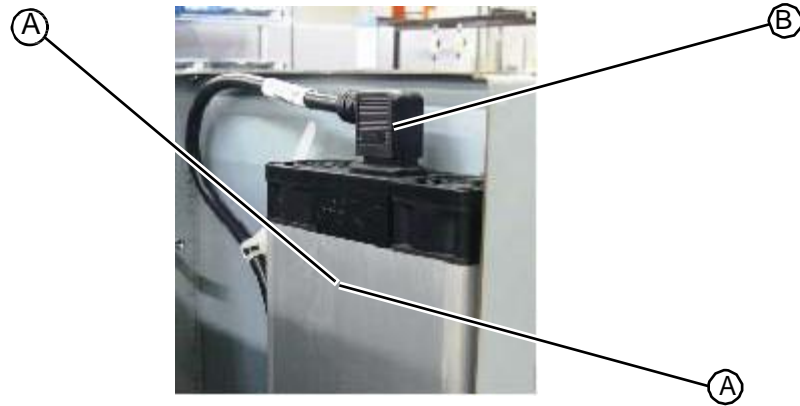
8.5.3 Electrical Components Orderable Parts

Part Number	Description
301425-00	Power supply
300757-00	Power entry module
300903-00	Ethernet coupler
300977-00	5 amp circuit breaker
301093-00	Audio speaker
301533-00	I/O board syringe power fuse: Littelfuse 37316300410 6.3A 250V Fast Acting Fuse or equivalent

Part Number	Description
301405-00	Tester 5V power fuse: Littelfuse 22005 5A 125V Fast-Acting 2AG Fuse or equivalent
301410-00	Main 24V power fuse: Littelfuse 225010 10A 125V Fast Acting Fuse or equivalent

8.5.4 Electrical Components Illustrations

Figure 8.38: Power supply



Callout	Component	Part Number
A	Power supply	301425-00

8.5.5 Cable Assembly Orderable Parts

Part Number	Description
300817-00	Power cord, 10 amp
300909-01	AC power input cable
300915-00	Main I/O board DC signal cable
300917-01	Tester back plane DC cable
300927-00	Fluid sense cable
300929-00	Waste drawer cobalt sensor cable
300930-00	Drill station cobalt sensor cable
300796-00	Ground cable

Part Number	Description
301080-00	Motherboard to tester serial cable
301168-00	Drill handle ground cable
301173-00	I/O board to vacuum chamber cable
301174-00	Audio cable
301175-00	AC extension cable
301176-00	Syringe pump cable
301243-01	Vacuum transducer cable
301246-00	Red Cat5e patch cable
301280-00	Grey Cat5e patch cable
301367-00	Blue Cat5e patch cable
300923-00	Flat scanner cable
300828-01	Tester board to adapter cable

8.6 Plumbing System

8.6.1 Plumbing System Orderable Parts

Part Number	Description
300712-00	Liquid separator assembly
300750-00	Fluid distribution manifold assembly
300989-00	Fluid pump
301112-00	Syphon assembly level switch
300762-01	Cleaning fluid container
300853-00	Waste drain valve assembly
300986-00	Vacuum pump
300735-00	Main vacuum manifold

Part Number	Description
300753-00	Vacuum regulator
301472-00	Vacuum distribution manifold
300852-00	Vacuum cleanup wand
301523-00	Tubing fitting kit

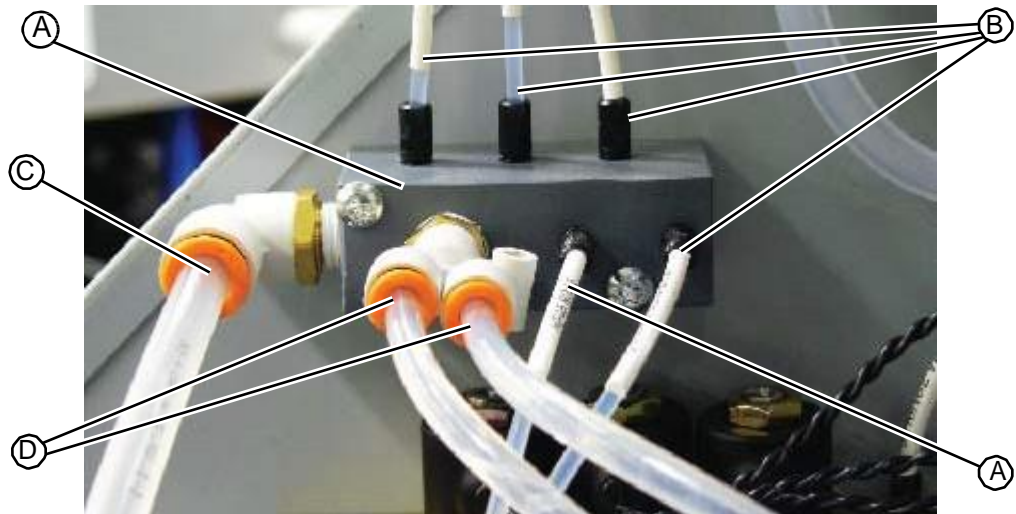
8.6.2 Plumbing System Illustrations

Figure 8.39: Liquid separator assembly



Callout	Component	Part Number
A	Liquid separator assembly	300712-00

Figure 8.40: Fluid distribution manifold



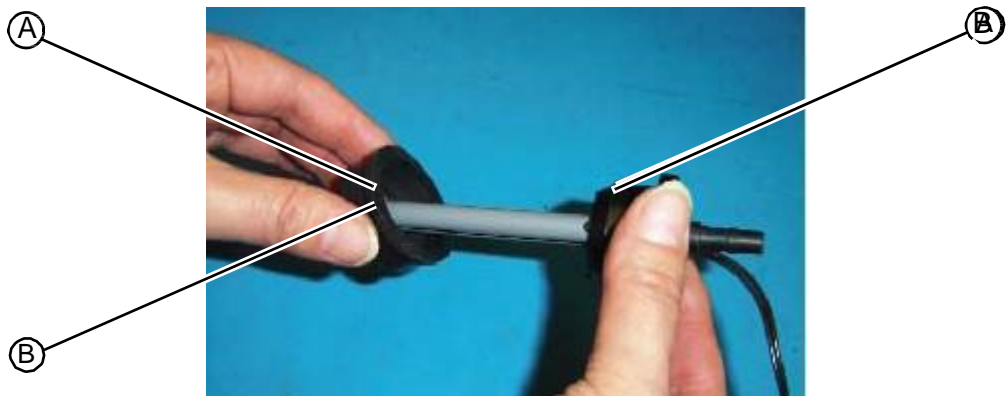
Callout	Component	Part Number
A	Fluid distribution manifold	300750-00

Figure 8.41: Fluid pump



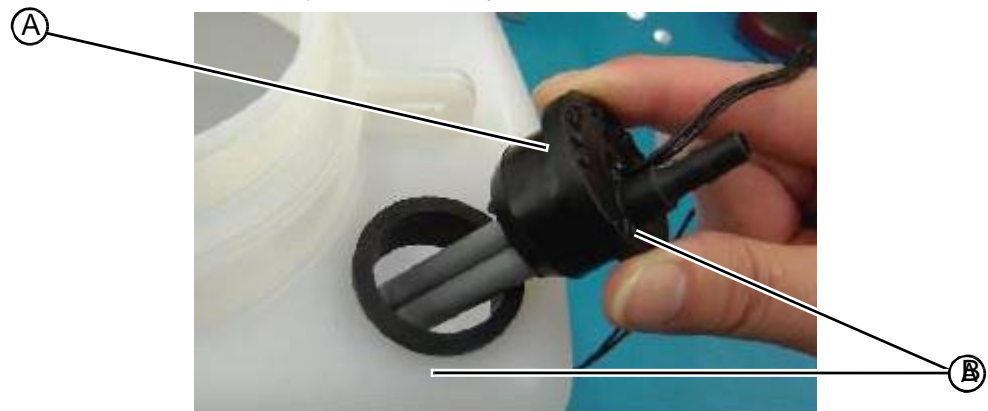
Callout	Component	Part Number
A	Fluid pump	300989-xx

Figure 8.42: Level switch/siphon assembly



Callout	Component	Part Number
A	Rubber grommet	N/A
B	Level switch/siphon assembly	301112-xx

Figure 8.43: Level switch/siphon assembly



Callout	Component	Part Number
A	Level switch/siphon assembly	301112-00
B	Cleaning fluid container	300762-01

Figure 8.44:Waste drain valve



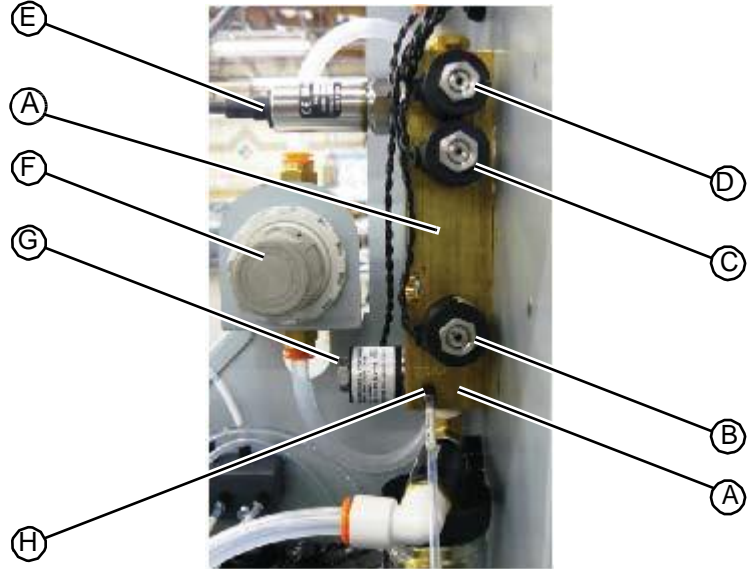
Callout	Component	Part Number
A	Waste drain valve assembly	300853-00
B	Waste container	N/A

Figure 8.45:Vacuum pump



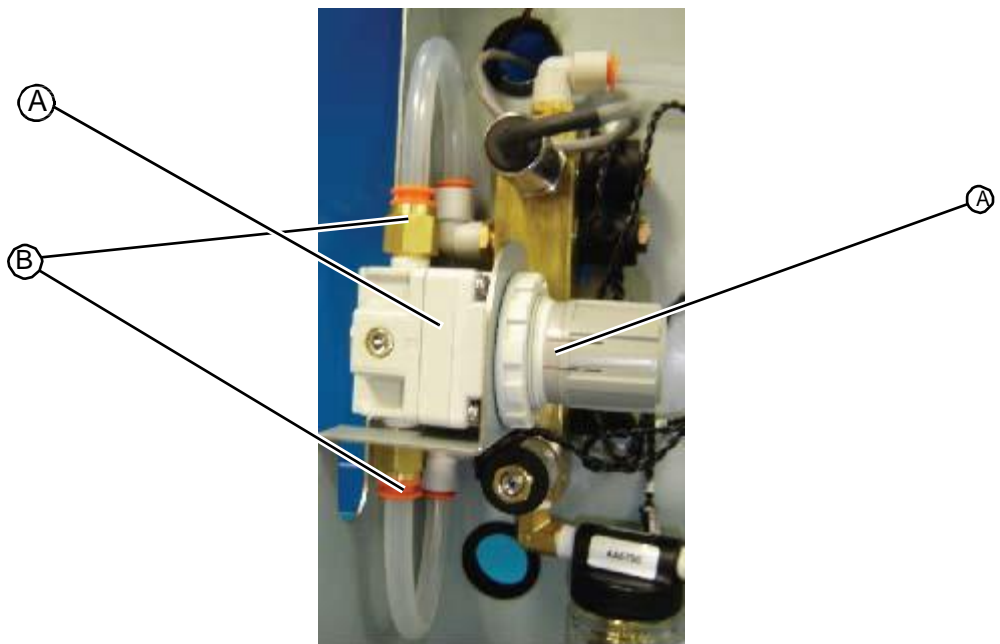
Callout	Component	Part Number
A	Vacuum pump	300986-xx

Figure 8.46: Main vacuum manifold



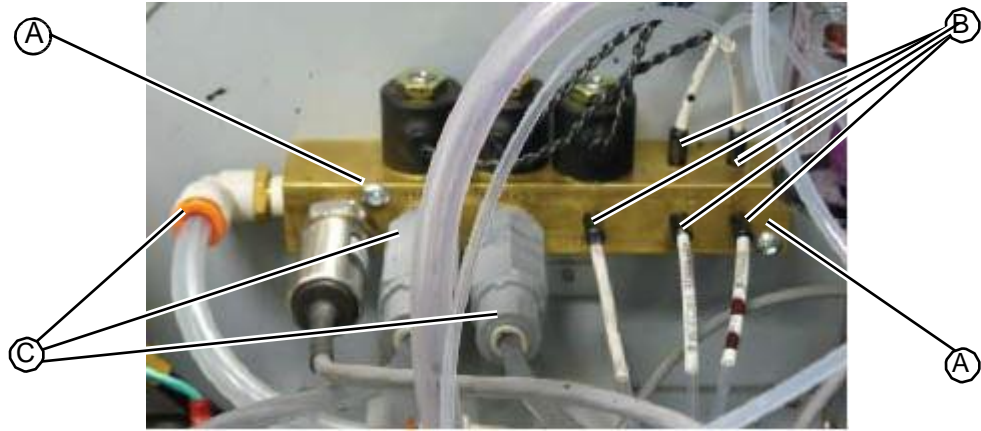
Callout	Component	Part Number
A	Main vacuum manifold	300735-00

Figure 8.47: Vacuum regulator assembly



Callout	Component	Part Number
A	Vacuum regulator	300753-00

Figure 8.48: Vacuum distribution manifold



Callout	Component	Part Number
A	Vacuum distribution manifold	301472-00

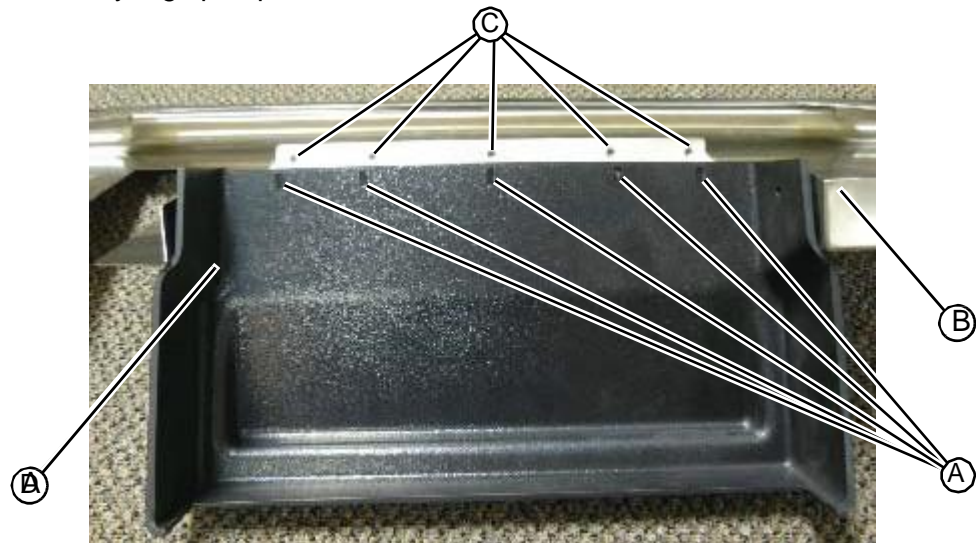
8.7 System Components

8.7.1 System Components Orderable Parts

Part Number	Description
300471-01	Syringe pumps cover
301178-00	Upper hood fan
300932-00	Spring contact, stationary side, for system fan
301170-00	Upper hood fan power contacts
301142-00	Interlock guide cover plate
301169-00	Electrical tower fan
300889-00	Vinyl foam
301084-00	Tubing clamp
301076-01	Adapter drawer foam insert

8.7.2 System Components Illustrations

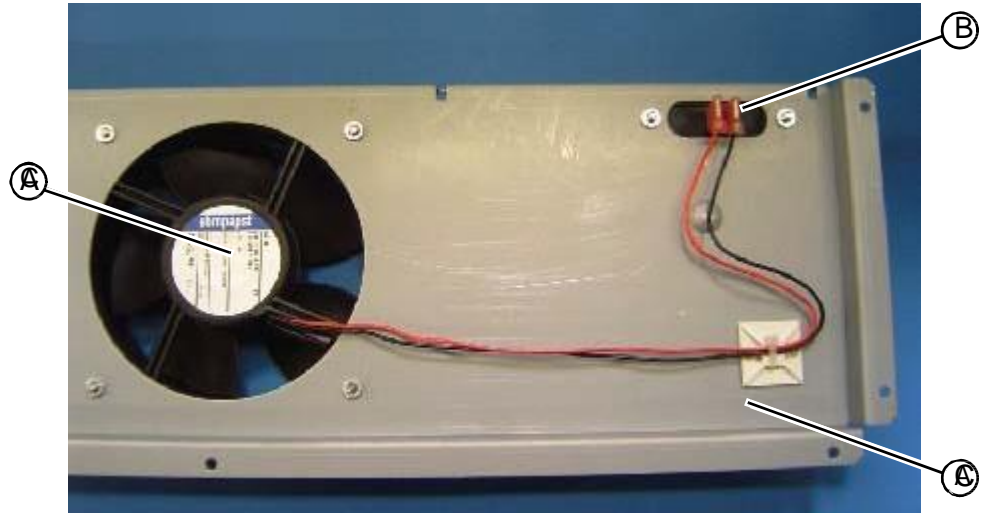
Figure 8.49: Syringe pumps cover



Callout	Component	Part Number
A	Syringe pump cover	300471-xx

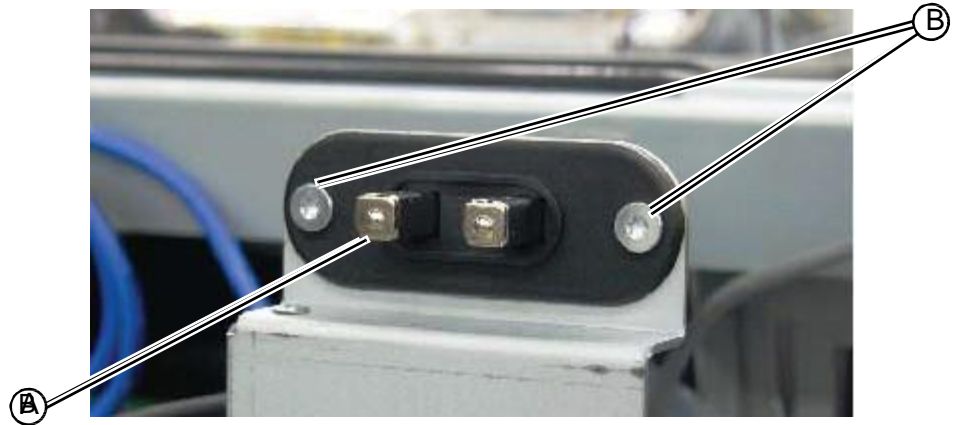
Callout	Component	Part Number
C	Work surface	N/A

Figure 8.50:Upper hood fan and stationary side spring contacts



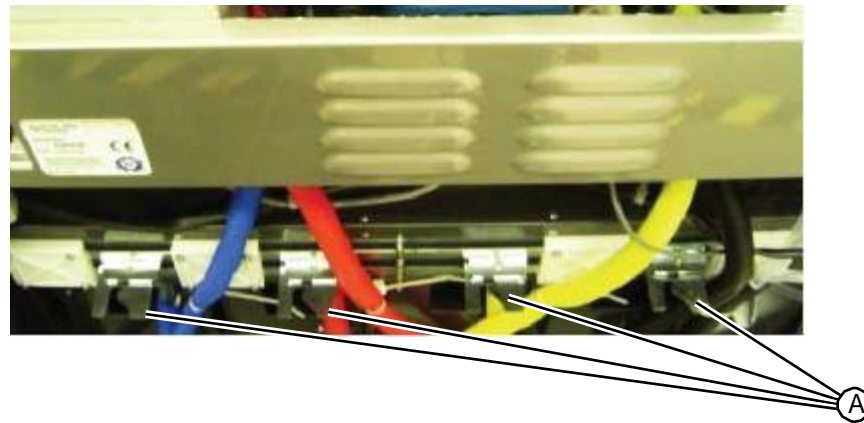
Callout	Component	Part Number
A	Upper hood fan	301178-00
B	Spring contact stationary side pins	300932-00
C	Upper hood fan bracket	N/A

Figure 8.51:Upper hood fan power contacts



Callout	Component	Part Number
A	Hood fan power contacts assembly	301170-00
B	T15 torx fasteners	300846-xx

Figure 8.52:Interlock guide plates cover



cov

Callout	Component	Part Number
A	Interlock guide plate cover	301142-00

8.8 Labels

8.8.1 Orderable Parts

Part Number	Description
301064-00	HP2 ID label
301065-00	HP3 ID label
301066-00	HP78 ID label
301067-00	HP23/17/41 ID label
301068-00	HP45 ID label
301069-00	Lex1 ID label
301070-00	Lex2 ID label
301071-00	Lex3 ID label
301072-00	Lex3 black ink ID label
301072-00	Lex3 color ink ID label
301082-01	Ink drawer label

Part Number	Description
301083-02	Ink drawer handle label
301281-00	Cleaning fluid container label
301288-00	Instruction label
301302-00	Waste tank label
300773-00	HP1 fill label
300774-00	HP2 fill label
300775-00	HP2 drill label
300776-00	HP3 label
300777-00	HP3 drill label
300778-00	Lex1 fill label
300779-00	Lex1 drill label
300780-00	Lex2 fill label
300781-00	Lex 2 drill label
300782-00	Lex3 black ink fill label
300784-00	Lex3 color ink fill label
300785-00	HP1 ID label

8.9 Fasteners and Tubing

8.9.1 Orderable Parts

Part Number	Description
301525-00	Common fastener kit
301365-00	3/8" hex standoff
301366-00	#10 shoulder screw
301237-00	PFH undercut screw

Part Number	Description
300711-00	M8 hex DIN 921 fastener
300792-00	Female threaded 1/4 hex standoff
301146-00	Nylon 6 tubing
301556-00	FEP tubing cut to 27" length
301557-00	Bev-A-Line IV tubing

8.10 Adapters

8.10.1 Orderable Parts

Part Number	Description
300343-00	HP1 drill/fill adapter
300358-00	HP2 drill/fill adapter
300657-00	HP3 drill/fill adapter
300685-00	Lex1 drill/fill adapter
300470-00	Lex2 drill/fill adapter
300692-00	Lex3 black drill/fill adapter
300699-00	Lex3 color drill/fill adapter
300649-00	HP45 print Etest adapter
301016-00	HP1-78 print Etest adapter
301019-00	HP1 print Etest adapter
301018-00	HP2 print Etest adapter
301021-00	HP3 print Etest adapter
301022-00	Lex1 print Etest adapter
301023-00	Lex2 print Etest adapter
301025-00	Lex3 print Etest adapter

