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**VALCO MELTON**<sup>TM</sup>

Gluing & Quality Assurance Systems

# Model 2012 Hot-Melt Glue Valve

IS0134  
11/2006

**VALCO**  
CINCINNATI

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# Introduction

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Shure-Glue Systems Model 2012 glue valve is a hot-melt dispensing valve with a high flow rate. The 2012 glue valve features a one-piece shaft and a sliding spool system. A U-cup seal around the end of the valve spool effectively shuts off the flow of adhesive when the valve closes. This unique design creates a snuff-back effect, eliminating the adhesive trailing demonstrated by other valves. The pneumatically operated 2012 glue valve is controlled by a four-way air valve.

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## Safety

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Failure to follow the safety instructions provided could result in damage to the equipment or injury to the equipment operator.

The following practices are recommended with regard to basic safety:

- Read the *Safety Information* section thoroughly before installing and operating the hot-melt equipment.
- Ensure that this information is accessible to any and all persons operating, maintaining, and repairing the equipment.
- Follow all warnings contained in the text related to tasks performed with or on the hot-melt equipment.
- Always wear protective clothing and equipment (e.g., safety eyewear and gloves) when operating or maintaining the equipment.
- Make sure that all local, county, state, and national codes, regulations, rules, and laws related to safety and safe operating conditions are met and followed.

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Intended Use of Equipment

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The equipment and/or system is designed and intended to be used in a manner described in this manual. Uses are considered unintended if governing regulations are not followed or if the equipment and/or system is used in a manner other than that described.

**Warning!**



Use of this equipment in a manner other than described in this manual could result in personal injury, death, or damage to equipment. Read all instructions, warnings, tags, and labels before operating the equipment.

Valco Cincinnati, Inc. is not responsible for personal injury or equipment damage resulting from unintended use of the equipment. Some actions that qualify as unintended use include the following examples:

- Failure to observe and follow safety rules and instructions.
- Unauthorized modification of the equipment and/or system.
- Failure to follow installation, operation, maintenance, or repair instructions.
- Use of unqualified personnel to install, operate, maintain, or repair the equipment.
- Failure to follow safety rules and regulations outlined by material safety data sheets, government authorities, or safety councils.
- Use of unapproved or incompatible materials or supplementary equipment.

Misuse of the equipment will void the warranty.

**Warning!**



Failing to follow safety instructions and procedures can result in personal injury, death, or damage to equipment.

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## Installation & Operation

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With regard to installation and electrical safety, the following procedures apply:

- Hot-melt equipment is to be installed and connections (electrical, pneumatic, gas, and hydraulic) are to be made **ONLY** by qualified personnel.
- Components and accessories are to be installed in accordance with the instructions provided and applicable codes.
- All equipment must be properly grounded and fused in accordance with rated current consumption (refer to the equipment identification plate).
- Inspect external cables for wear or damage on a regular basis. Cables must never be squeezed or pinched. To avoid unnecessary contact, do not locate cables and hoses in high traffic areas.
- Do not use hoses to pull the equipment.
- Gauge and insulation for power supply must be adequate to handle rated current consumption.

The equipment should only be operated by qualified personnel in compliance with the instructions detailed in this manual.

- Check the equipment on a daily basis. Immediately replace any damaged or worn parts.
- Do not alter or modify the equipment.
- Do not allow the equipment to be operated by impaired individuals or personnel who are unable to operate the equipment for physical reasons.
- Before starting the equipment, check all protection and warning devices to ensure that they are completely functional. If these devices are not functioning properly, do not operate the equipment.
- In the event of equipment malfunction, switch the equipment off immediately and have it inspected and repaired by qualified personnel.
- Always wear recommended protective eyewear, gloves, and clothing when operating the equipment.

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## Maintenance and Repair

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Only qualified personnel should perform the maintenance and repair procedures detailed in this manual. Protective clothing and equipment should be worn at all times when performing these tasks.

**Warning!**

The equipment may still be energized even after the circuit breaker or main power switch is off.

The following steps should be completed prior to maintaining and/or repairing equipment:

- Disconnect, lock out, and mark the external power supply.
- Test to make sure the external power supply has been disconnected. Try operating the equipment. If the equipment does not impart energy, you can proceed with the equipment maintenance or repair. If the equipment energizes, repeat the disconnect procedure and test the equipment again.
- Read and follow the maintenance/repair instructions included in this manual, including instructions for relieving pressure in the equipment.
- Only use Valco parts and use insulated tools to remove or install system components.
- Never use an open flame to clean the equipment or any equipment components.
- Refer to the material manufacturer's Material Safety Data Sheet (MSDS) before working on any material. Ensure that the MSDS and other material information is stored near the equipment and accessible.

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**Hot Adhesive Safety**

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Contact with hot adhesive or hot areas of the equipment may produce a severe burn to the skin. Always refer to the material manufacturer's MSDS before working with any hot melt material.

**Warning!**

Risk of burns exists. Wear heat-protective clothing, safety goggles, and heat-protective gloves at all times when working with hot melt materials.

If hot adhesive comes in contact with the skin, do the following:

1. Immediately immerse the contacted area in clean, cold water.



It is recommended that a source of clean, cold water be provided near the hot-melt work area.

2. Do not attempt to remove hot melt material from the skin.
3. Cover the affected area with a clean, wet compress and seek medical attention immediately.

In addition, make sure that the work area is adequately ventilated. Be sure that recommended processing temperatures are not exceeded. If recommended temperatures are exceeded, personnel are in danger of exposure to decomposing material. When equipment operation and cleaning are completed, dispose of the equipment and materials used according to local regulations.

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# Specifications

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Height .....	3-5/8 in. (92 mm)
Width .....	1-1/2 in. (38 mm)
Depth	
glue module .....	1-1/2 in. (38 mm)
manifold .....	1-1/2 in. (38 mm)
Weight	
glue module .....	2 lb (0.91 kg)
manifold .....	0.75 lb (0.34 kg)
Max. temperature .....	425°F (218°C)*
Operating solenoid valve .....	4-way valve
Required air pressure .....	40-80 psi (2.75-5.5 bar)
Max. fluid pressure .....	800 psi (55 bar)

\* Consult the factory for temperatures higher than 425°F

# Removing the Old Glue Valve

**Warning!**

Extreme care should be exercised when working with hot melt materials in their fluid state. Protect all portions of the body from splashing hot-melt material. Use heat-resistant gloves when working with the hot valve. Severe burns can result if skin contact occurs.

**Warning!**

All fluid pressure and air pressure must be removed from the system before any lines are disconnected. Otherwise, personal injury or death could occur.

To remove the old 2012 glue valve, follow these steps:

1. Heat the glue valve to operating temperature.
2. Turn off the pump and cycle the dispensing valve into a waste container to vent the fluid pressure.
3. Turn off the electrical power to the valve.
4. Turn off the air supply to the valve.
5. Disconnect the electrical lead to the valve.
6. Remove the air lines from the valve.
7. Remove the hot-melt hose.
8. Remove the valve from the mounting bracket.
9. Separate the input manifold from the glue valve by removing the two screws that hold the glue valve to the manifold.
10. Separate the output manifold from the glue valve by removing the four screws that hold the outlet manifold to the glue valve.



# Disassembly/ Reassembly



Before disassembling the 2012 glue valve, flush the valve with wax or a release agent in order to remove as much glue as possible

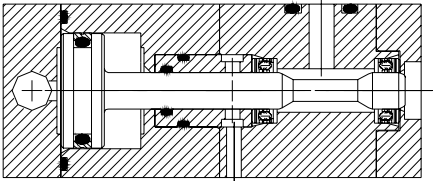
## Disassembly

To disassemble the 2012 glue valve, complete the following steps (refer to Figure A):

1. Remove the two screws (Item #1).
2. Remove the end cap (Item #2) and the O-ring (Item #5).
3. Pull the air body (Item #6) away from the fluid body (Item #11).
4. Pull the piston (Item #4) out of the air body (Item #6).
5. Remove the piston air seal (Item #3) from the piston (Item #4).
6. Remove the bearing (Item #9) from the fluid body (Item #11).
7. Remove the O-ring (Item #8) from the bearing (Item #9).
8. Inside the bearing (Item #9) there is another O-ring (Item #7). Remove the O-ring.
9. Remove the end cap and the fluid body (Item #11) by removing the two screws (Item #14).
10. Remove the U-cup seals (Item #10) from the fluid body (Item #11).



The spring side of seal (Item #10) should be inserted first into Item #11 for both seal positions.



ASSEMBLED VIEW

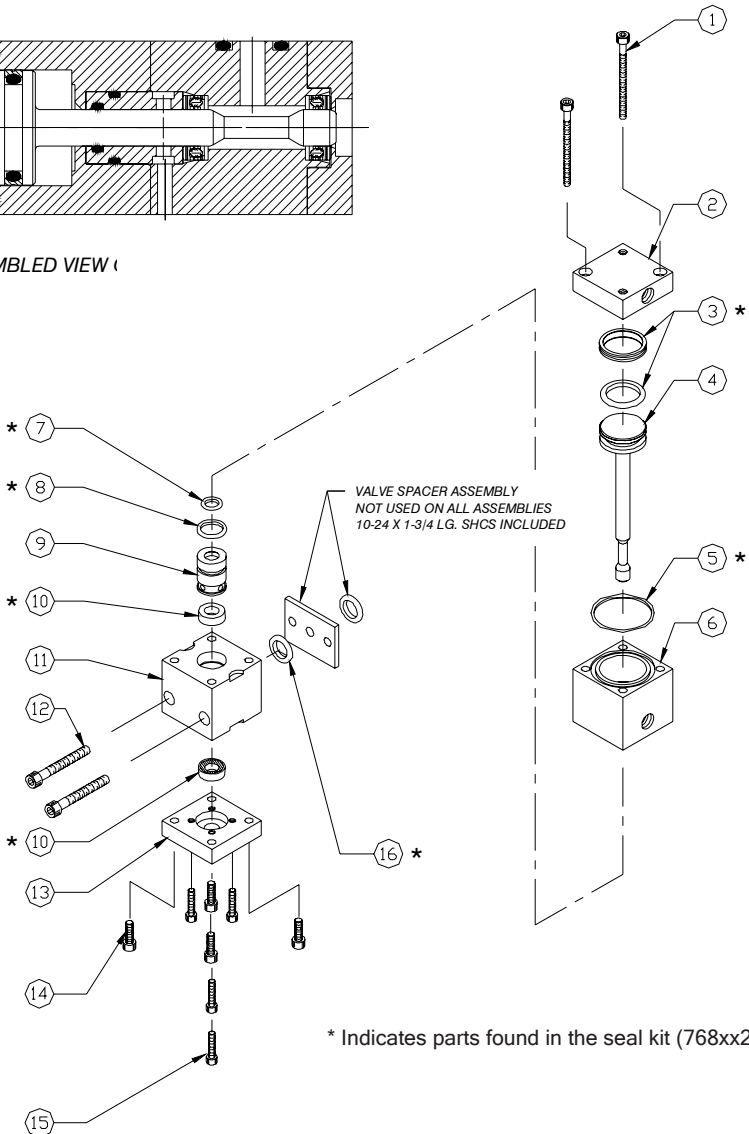


Figure A

**Reassembly**

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To reassemble the 2012 glue valve, complete the following steps (refer to Figure A):

1. Press the U-cup seals (Item #10) into the fluid body (Item #11). The spring should be facing the fluid body.
2. Attach the end cap (Item #13) to the fluid body (Item #11) with the two screws (Item #14).
3. Put the O-ring (Item #7) inside the bearing (Item #9). There is a groove inside the bearing for the O-ring.
4. Place the O-ring (Item #8) on the groove outside of the bearing (Item #9).
5. Place the bearing (Item #9) into the fluid body (Item #11). Insert the end with the O-ring outwards.
6. Place the air body (Item #6) on top of the fluid body (Item #11). Make sure the air input holes are in the proper position.
7. Place the piston air seal (Item #3) onto the piston (Item #4).
8. Push the piston (Item #4) into the valve assembly.
9. Place the O-ring (Item #5) in the groove on top of the air body to seal the end cap.
10. Place the end cap (Item #2) onto the valve and insert the screws (Item #1). Make sure the air input holes are in the proper position.

## Replacing the Filter

To replace the filter, follow these steps (see Figure B):

1. Make sure the adhesive is in a liquid state.
2. Remove the nut (Item #1) from the filter fitting (Item #4).
3. Remove the old filter (Item #3) from the filter fitting (Item #4).
4. Push the new filter into the filter fitting.
5. Put the fitting adapter (Item #2) on top of the filter fitting (Item #4) and then replace the nut (Item #1).
6. Wipe off all adhesive from the manifold and the filter.

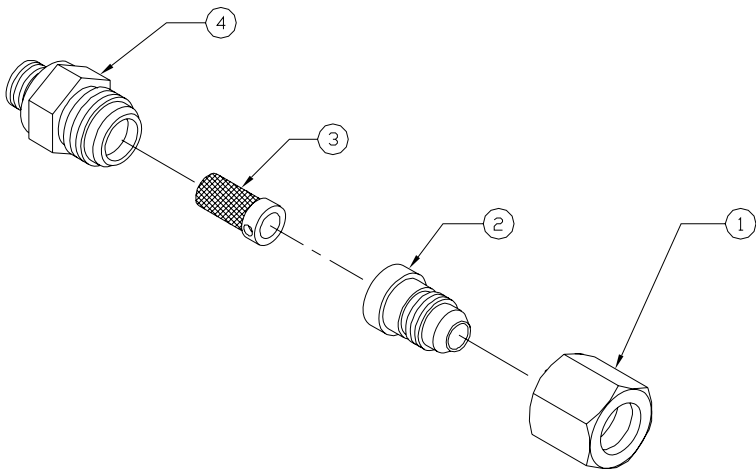


Figure B

# Troubleshooting

Problem	Possible Cause	Corrective Action
<p>No adhesive flow from any valves of a multi-valve or single-valve gun.</p>	Adhesive level low	Check tank level. Add adhesive if needed.
	No input power	Make sure power is connected to tank and associated equipment. Make sure that circuit breakers are switched ON.
	Tank, hose, or gun temperature too low	Adjust setting to higher temperature in increments of 10-15 degrees.
	Clogged hose, gun, or nozzle	Remove air from pump, open drain valve screw, gently add air to pump and ensure that glue pumps out.
	Insufficient air pressure to piston pump	Make sure that the air regulator gauge reads at least 25-45 psi.
	Gear motor not engaged	Verify that motor light indicator is illuminated.
	Hose Clogged	If glue purge from drain valve is successful, remove applicator from hose and check for adhesive flow.
	Nozzle Clogged	Check nozzle by removing from gun valve. Perform manual purge. If glue flows freely with nozzle removed, either replace or clean the nozzle.
	Failed Valve	Replace (refer to valve replacement section of catalog)
	Faulty Trigger device (such as photo-eye/scanner)	Check sensors by running an object under photo-eye and seeing indicator light illuminate either on the photo-eye or on the control.
Faulty Encoder	Replace encoder (call for instructions)	

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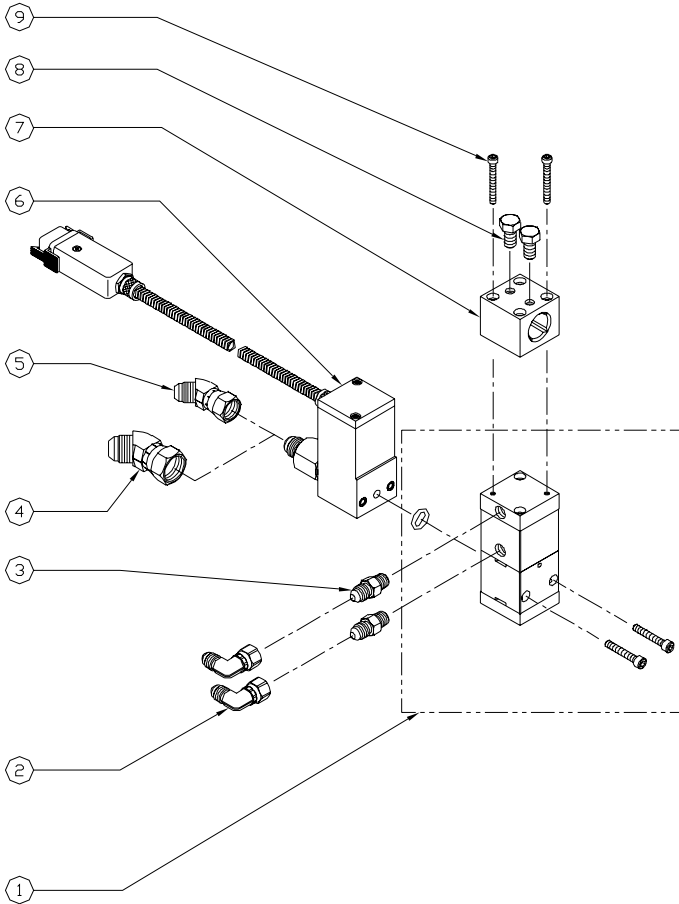
 Troubleshooting - Continued
 

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Problem	Possible Cause	Corrective Action
No adhesive flow from some valves in multi-valve gun	Nozzle Clogged	Check nozzle by removing from gun valve. Perform manual purge. If glue flows freely with nozzle removed, either replace or clean the nozzle.
	Failed heater	Replace heater.
	Failed solenoid	Replace solenoid.
Valves not triggering at the same time on multi-valve gun.	Low solenoid air pressure	Increase solenoid air pressure.
	Failed Valve	Replace (refer to valve replacement section of catalog)
Gun fails to heat or under heats.	No power to gun.	Make sure that all electrical connections are secure and that power is ON.
	Temperature setting too low.	Adjust temperature setting.
	Failed Heater (open or short)	Check for resistance.
	Failed RTD (open or short)	Check resistance.
	Failed Thermostat	Check continuity.
Gun Overheats	Fuse inside tank is faulty	Check fuse panel inside melt tank using a meter.
	Defective RTD	Check resistance.
Adhesive will not stop flowing from some valves in a multi-valve gun.	Failed Thermostat	Check continuity.
	Debris is preventing the plunger from closing	Disassemble and clean the plunger and the seals.
Occasional (intermittent) missed patterns	Low solenoid air pressure	Increase solenoid air pressure.
	Adhesive pressure is too high.	Reduce the pressure.
	Incorrect pattern control settings	Check the pattern control settings and adjust if necessary.

# Part Number Lists

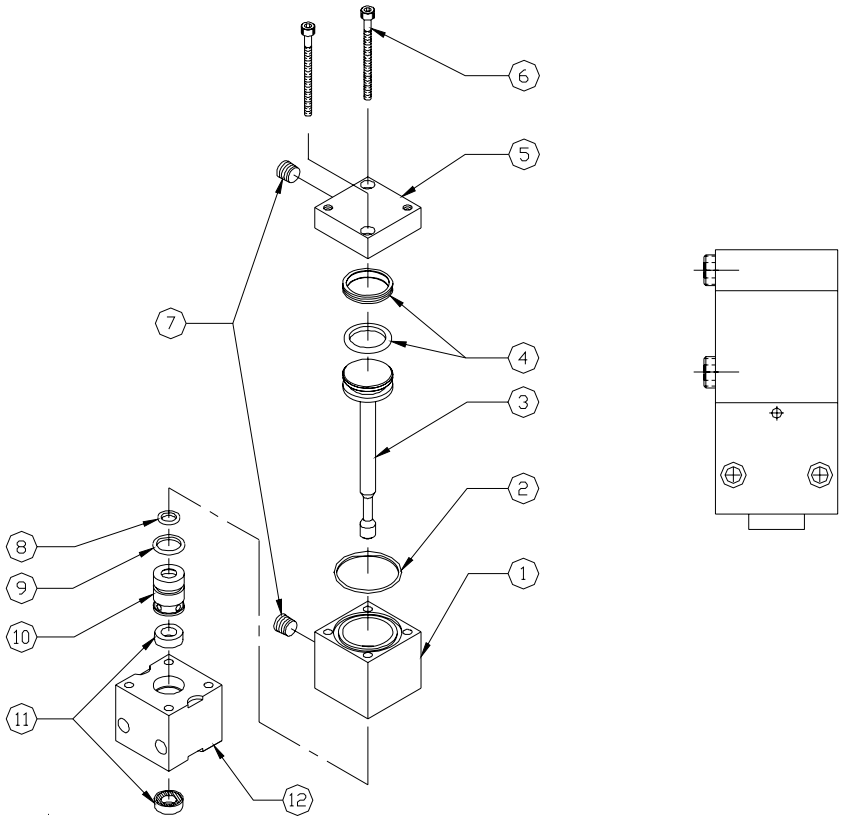
## Valve/Manifold Assembly (769xx633)



Item	Description	Part Number	Quantity
1	Valve Assembly; 2012	768XX215	1
2	Swivel Fitting	795XX600	2
3	Jic Ftg	795XX398	2
4	Fitting	795XX586	1
5	Fitting	795XX585	1
6	Mnfl'd Assy.,Ni Rtd,Nc,Uni Tp	769XX634	1
7	Knuckle	767XX211	1
8	Screw, 5/8	798XX608	2
9	Screw, 1 3/8 Ss	798XX869	2

## 9012 MAC Valve Assembly (768xx238)

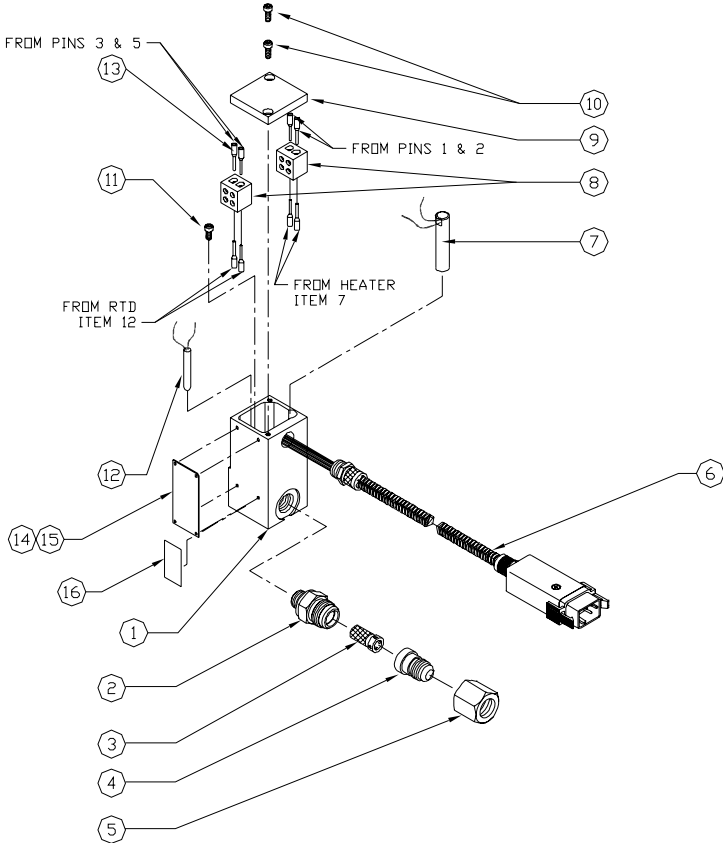
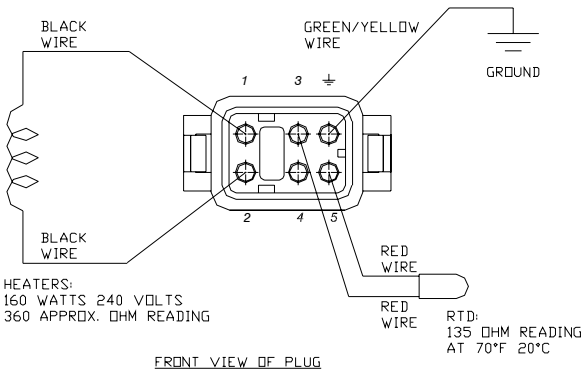
The 9012 MAC Valve Assembly allows the attachment of the 45 Series MAC Valves.



Item	Description	Part Number	Quantity
1	Air Body; Modified	768xx239	1
2	O-ring	745xx532	1
3	Piston, 9012	768xx208	1
4	Seal	746xx025	1
5	End Cap; Modified	768xx240	1
6	Shcs #8-32 X 2 Bo	798xx052	2
7	Socket Head Pipe Plug 1/8	797xx041	2
8	O-ring	745xx103	1
9	O-ring	745xx534	1
10	Bearing; Shaft	768xx212	1
11	Seal; U-Cup	746xx024	2
12	Fluid Body	768xx213	1



### Manifold Subassembly (769xx634)



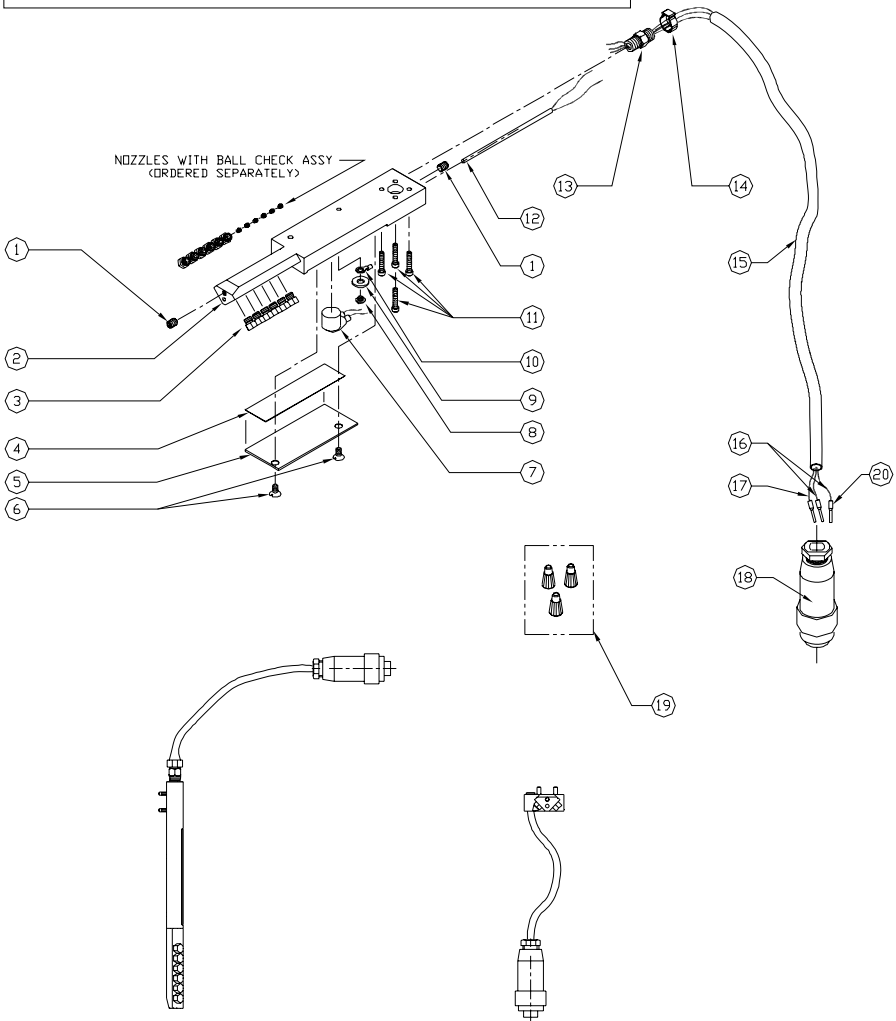
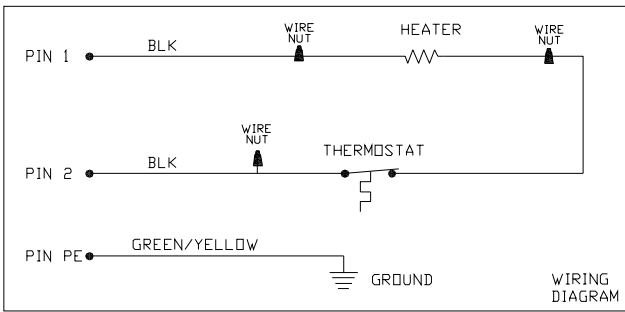
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 Manifold Subassembly (769xx634) - Continued
 

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Item	Description	Part Number	Quantity
1	Manifold Body	768XX225	1
2	Ftg, W/O-Ring	799XX326	1
3	Filter Weldment Assy	767XX053	1
4	Jic - Tube End Reducer	795XX546	1
5	Nut	795XX551	1
6	Cable Assy, Nc Manifolds	768XX725	1
7	Heater	096XX004	1
8	Term. Block; Ceramic, 2 Wire	075XX327	2
9	Manifold Cap	768XX226	1
10	Screw, 1/2 Bo	798XX006	2
11	Screw, 1/4 Bo	798XX002	1
12	Rtd, 2 Wire, 120 Ohm	506XX640	1
13	*Ferrule; Ins, 20awg, White	075XX303	8
14	Nameplate	781XX876	1
15	Rivet	091XX352	4
16	Label, Warning	781XX784	1

Universal Taper (769xx630)



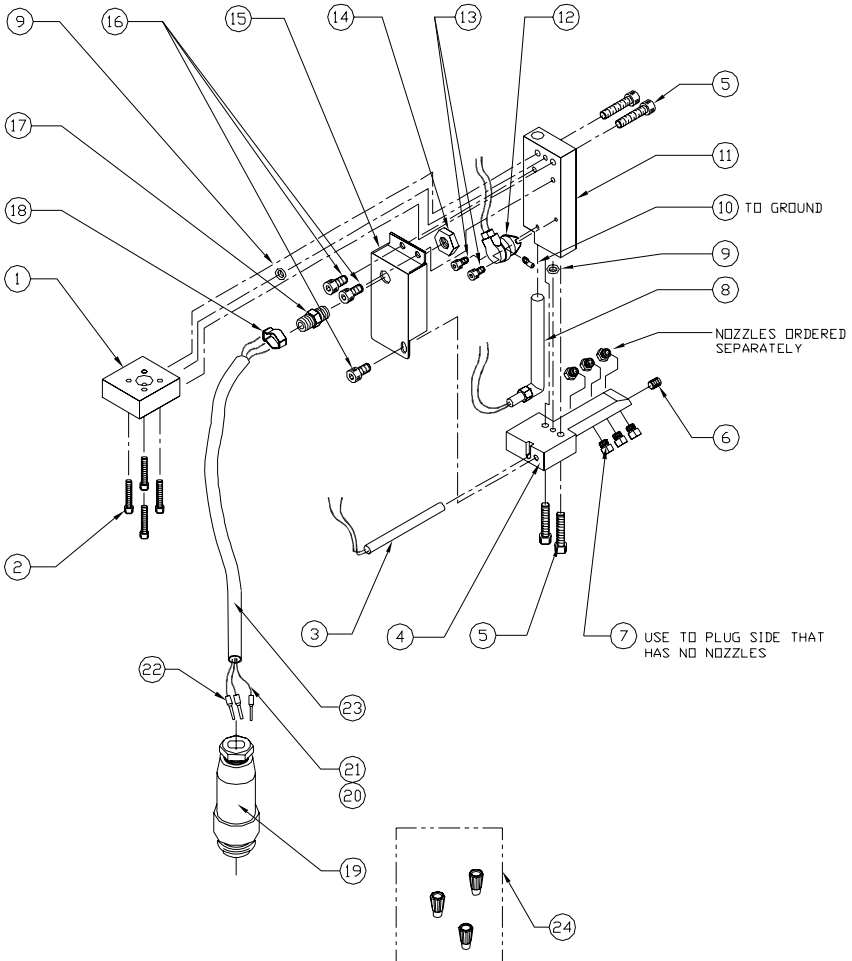
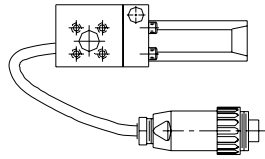
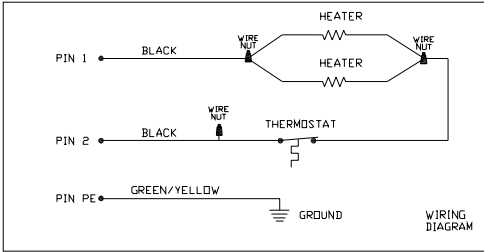
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 Universal Taper (769xx630) - Continued
 

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Item	Description	Part Number	Quantity
1	Screw, 1/4 Bo	798XX813	2
2	Manifold; 6 Holes Ea Side	768XX254	1
3	Nozzle Plug	768XX244	6
4	Tape, 36yd Roll	795XX028	0.083
5	Cover Plate	580XX147	1
6	Screw, 1/4	798XX253	2
7	Thermostat	505XX012	1
8	Screw, 1/8	798XX911	1
9	Flat Washer	798XX754	1
10	Wire Terminal; Ring	075XX070	1
11	Screw, 3/4 Bo	798XX010	4
12	Heater Cartridge	096XX009	1
13	Hex Nipple M-M	797XX079	1
14	Hose Clamp	795XX766	1
15	*Sleeving;Fiberglass,#2,Black	755XX064	6
16	*Wire, Teflon, 20 Awg, Blk	540XX015	1
17	Wire, Teflon, 20 Awg, Grn/Yel	540XX018	0.5
18	Cable Connector, Male	061XX201	1
19	Ceramic Wire Nut	061XX002	3
20	*Ferrule;Ins,20awg, White,8mm	075XX303	3

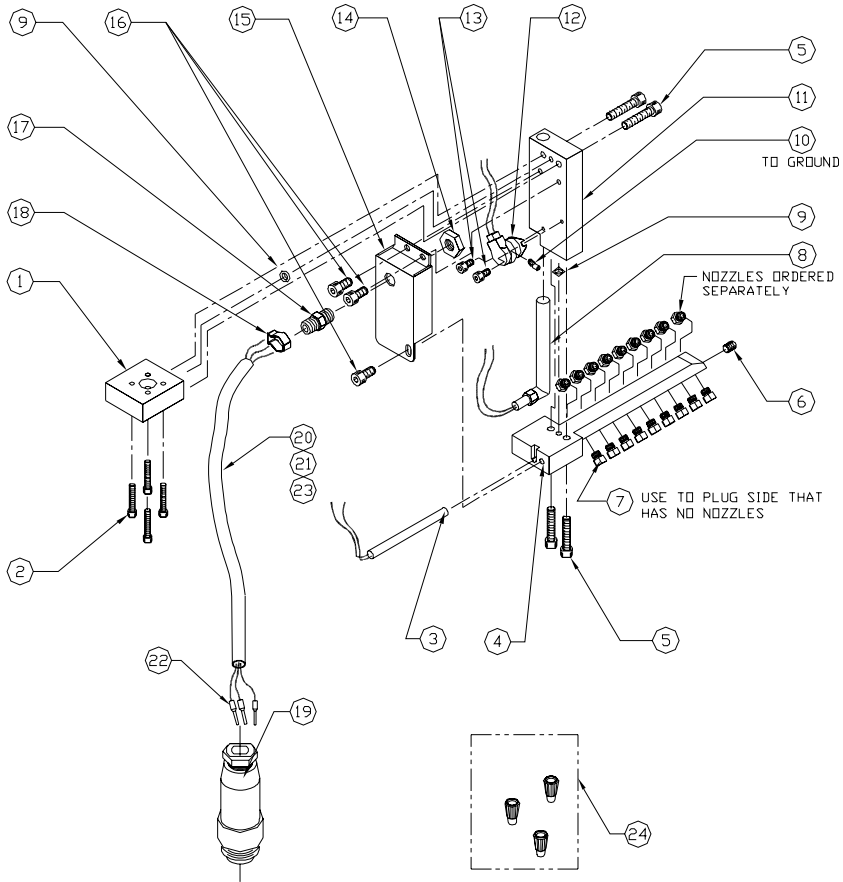
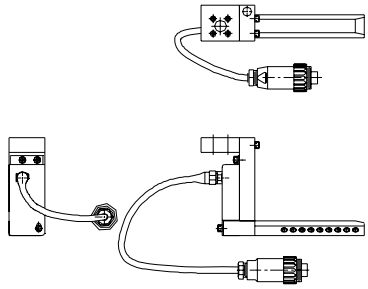
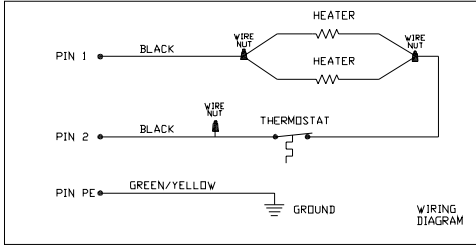
### General Taper 3/4 Inch Output (769xx668)



General Taper 3/4 Inch Output (769xx668) -  
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Item	Description	Part Number	Quantity
1	Manifold	767XX270	1
2	Screw	798XX010	4
3	Heater Cartridge	096XX109	1
4	Nozzle Manifold; Gen. Taper	768XX227	1
5	Screw 7/8 Bo	798XX092	4
6	Screw 1/4 Bo	798XX813	1
7	Nozzle Plug	768XX244	3
8	Heater	096XX002	1
9	O-Ring	745XX026	2
10	*Wire Terminal; Ring	075XX060	1
11	Manifold	767XX269	1
12	Thermostat	505XX003	1
13	Screw 1/4 Bo	798XX002	2
14	Lock Nut 1/8 Npt	797XX126	1
15	Cover	768XX217	1
16	Screw 3/8 Ss	798XX083	3
17	Hex Nipple	797XX079	1
18	Hose Clamp	795XX766	1
19	Cable Connector	061XX201	1
20	*Wire, Teflon, 18awg, Blk	540XX056	2
21	*Wire, Teflon, 18awg, Grn/Yel	540XX061	1
22	*Ferrule; Ins, 18awg, Red, 8mm	075XX304	3
23	*Sleeving; Fiberglass, #2,Black	755XX064	10
24	Ceramic Wire Nut	061XX002	3

### General Taper 3 Inch Output (769xx667)

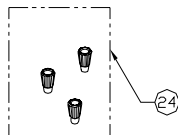
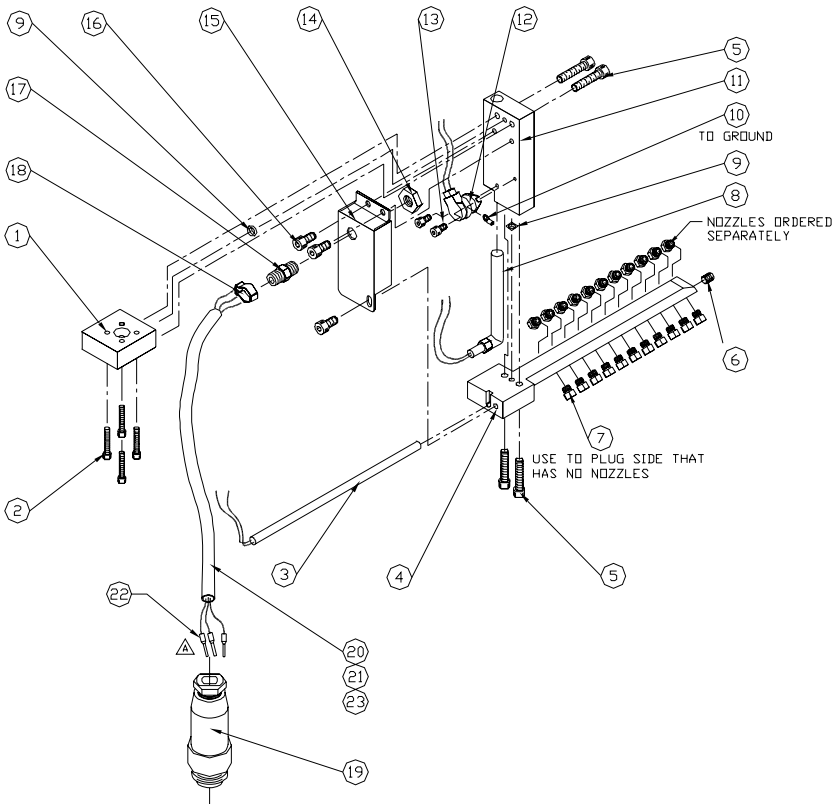
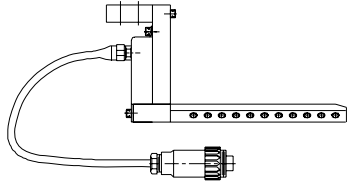
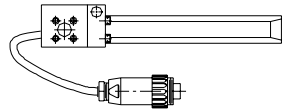
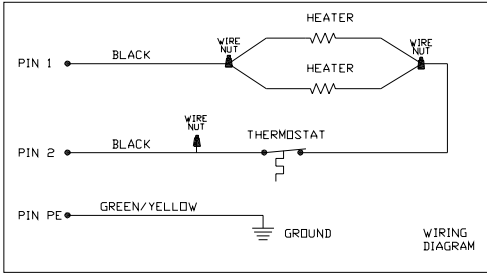


General Taper 3 Inch Output (769xx667) -  
Continued

Item	Description	Part Number	Quantity
1	Manifold	767XX270	1
2	Screw, 3/4 Bo	798XX010	4
3	Heater Cartridge	096XX109	1
4	Manifold; Gen Taper, 3" Patt.	768XX243	1
5	Screw, 7/8 Bo	798XX092	4
6	Screw, 1/4 Bo	798XX813	1
7	Nozzle Plug	768XX244	9
8	Heater	096XX002	1
9	O-Ring	745XX026	2
10	*Wire Terminal; Ring	075XX060	1
11	Manifold	767XX269	1
12	Thermostat	505XX003	1
13	Screw, 1/4 Bo	798XX002	2
14	Lock Nut 1/8 Npt	797XX126	1
15	Cover	768XX217	1
16	Screw, 3/8 Ss	798XX083	3
17	Hex Nipple M-M	797XX079	1
18	Hose Clamp	795XX766	1
19	Cable Connector, Male	061XX201	1
20	*Wire, Teflon, 18awg, Blk	540XX056	2
21	*Wire, Teflon, 18awg, Grn/Yel	540XX061	1
22	*Ferrule; Ins, 20awg, White, 8mm	075XX303	3
23	*Sleeving; Fiberglass, #2, Black	755XX064	10
24	Ceramic Wire Nut	061XX002	3



### General Taper 5 Inch Output (769xx666)

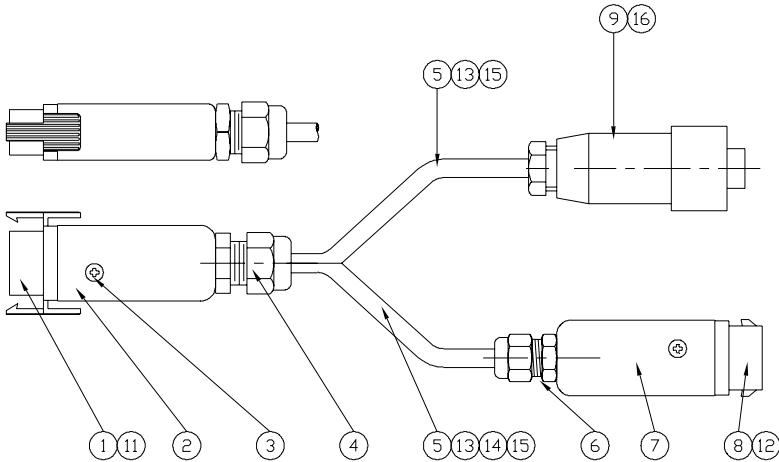


General Taper 5 Inch Output (769xx666) -  
Continued

Item	Description	Part Number	Quantity
1	Manifold	767XX270	1
2	Screw, 3/4 Bo	798XX010	4
3	Heater Cart; 240v, 80w	096XX191	1
4	Manifold; Gen Taper, 5" Patt.	768XX242	1
5	Screw, 7/8 Bo	798XX092	4
6	Screw, 1/4 Bo	798XX813	1
7	Nozzle Plug	768XX244	3
8	Heater	096XX002	1
9	O-Ring	745XX026	2
10	*Wire Terminal; Ring	075XX060	1
11	Manifold	767XX269	1
12	Thermostat	505XX003	1
13	Screw, 1/4 Bo	798XX002	2
14	Lock Nut 1/8 Npt	797XX126	1
15	Cover	768XX217	1
16	Screw, 3/8 Ss	798XX083	3
17	Hex Nipple M-M	797XX079	1
18	Connector	061XX016	1
19	Cable Connector, Male	061XX201	1
20	*Wire, Teflon, 18awg, Blk	540XX056	2
21	*Wire, Teflon, 18awg, Grn/Yel	540XX061	1
22	*Ferrule;Ins, 20awg,White,8mm	075XX303	3
23	*Sleeving;Fiberglass,#2,Black	755XX064	10
24	Ceramic Wire Nut	061XX002	3

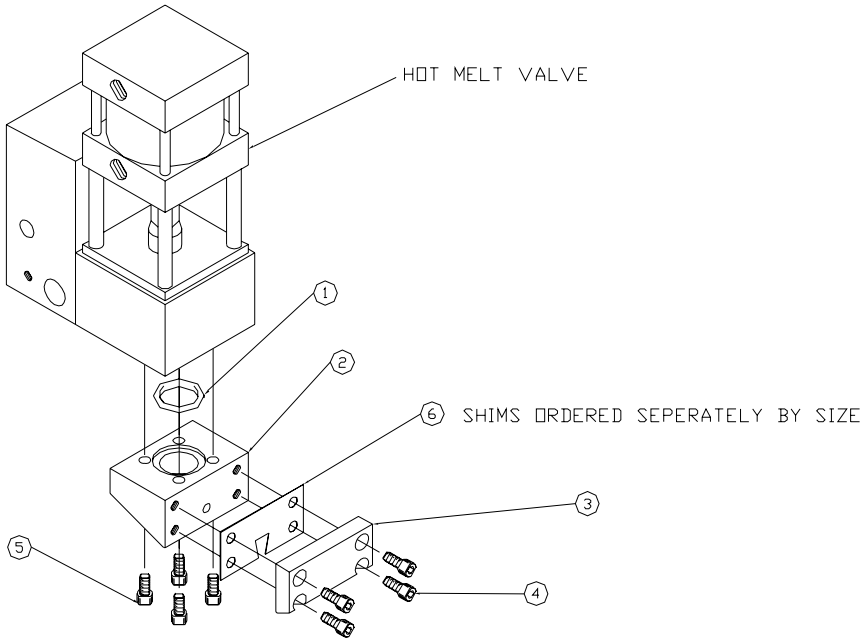
**Y Adapter Cable (769xx629)**

ITEM #1 PIN No.	ITEM #8 PIN No.	ITEM #9 PIN No.	COLOR
1	1	1	BLACK
2	2	2	BLACK
3	3	-	RED
-	-	-	
5	5	-	RED
G	G	PE	GRN/YEL



Item	Description	Part Number	Quantity
1	Plug, Gun, Six Pin	061XX271	1
2	Plug Shell, Modified	061XX320	1
3	Screw	784XX587	4
4	Cord Grip, Pg9, Modified	066XX172	1
5	*Sleeving; Fiberglass, Black	755XX077	12
6	Cord Grip	066XX109	1
7	Plug Shell, Gun, Six Pin	061XX272	1
8	Receptacle, 6pin Hm Gun - Nc	061XX325	1
9	Cntr, Female, Cbl, 3+Pe, Amph	061XX324	1
12	*Contact	061XX025	5
13	Wire, Teflon, 20 Awg, Grn/Yel	540XX018	1
14	Wire, Teflon, 20 Awg, Red	540XX020	1
15	*Wire, Teflon, 20 Awg, Blk	540XX015	2
16	*Ferrule;Ins, 18awg,Red, 8mm	075XX304	3
17	*Pin; Grounding, Crimp, 18-16awg	091XX406	1

**Ribbon (Slot) Coater Manifold Assembly (708xx075)**

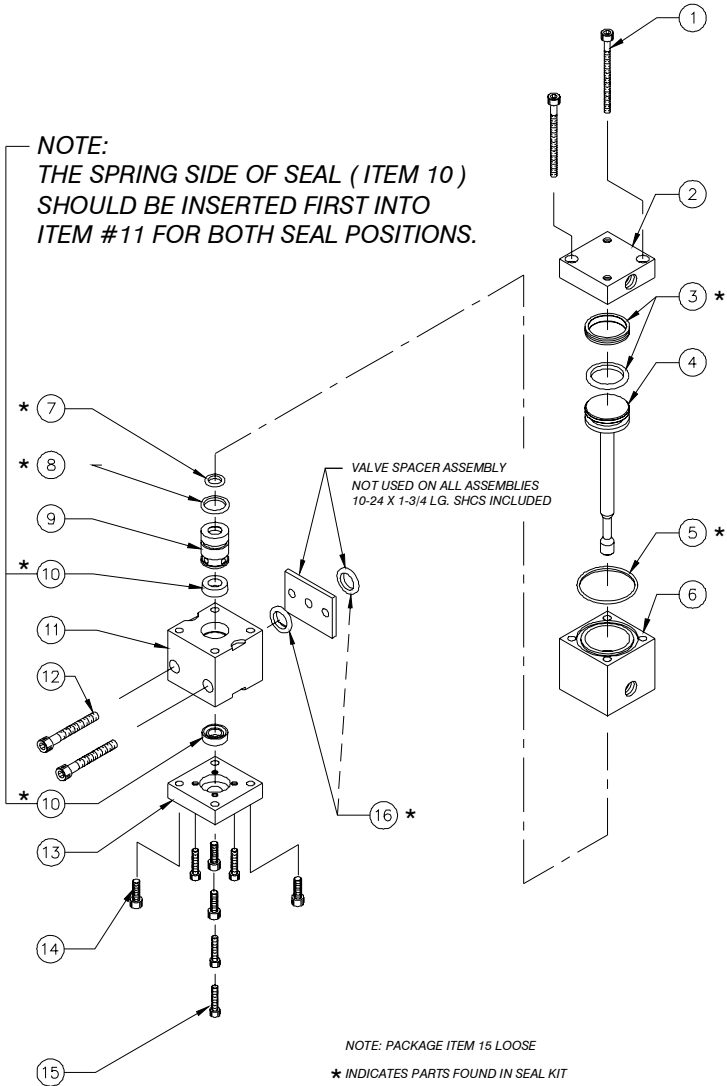


Item	Description	Part Number	Quantity
1	O-ring	745XX066	1
2	Manifold	768XX542	1
3	End Cap	768XX544	1
4	Screw, 3/8 Ss	798XX003	4
5	Screw, 5/8 Ss	798XX007	4
6	Shim	708XX057	0

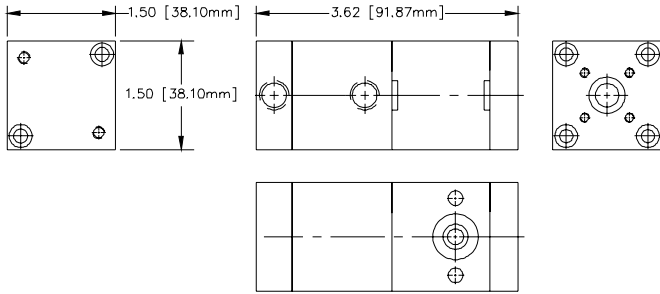
**Ribbon Coater - Available Sizes**

- 708xx543 ..... Ribbon coater assembly, for up to 4-in. (102-mm) pattern widths.
- 708xx542 ..... Ribbon coater assembly, for up to 8-in. (203-mm) pattern widths.
- 708xx541 ..... Ribbon coater assembly, for up to 12-in. (305-mm) pattern widths.

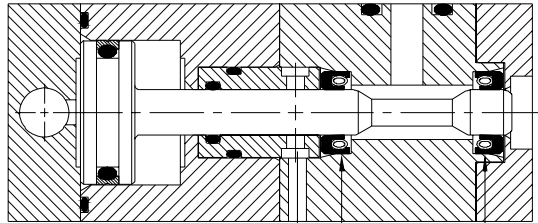
### Valve Assembly (768xx215) & Replacement Parts



Valve Assembly (768xx215) & Replacement Parts  
 - Continued



ASSEMBLED VIEW OF VALVE  
 SCALE: 2=1



THE SPRING SIDE OF SEAL (ITEM 10)  
 SHOULD BE INSERTED FIRST INTO  
 ITEM #11 FOR BOTH SEAL POSITIONS.

Valve Assembly (768xx215) & Replacement Parts  
 - Continued

Item	Description	Part Number	Quantity
1	Screw, 2 Bo	798XX052	2
2	End Cap; Air Body	768XX210	1
3	Seal	746XX025	1
4	Piston, 2012	768XX208	1
5	O-Ring	745XX532	1
6	Air Body, 2012	768XX209	1
7	O-ring,	745XX103	1
8	O-ring	745XX534	1
9	Bearing; Shaft	768XX212	1
10	Seal; U-Cup	746XX024	2
11	Fluid Body	768XX213	1
12	Screw, 1 1/2	798XX072	2
13	End Cap; Fluid Body	768XX211	1
14	Screw, 1/2 Bo	798XX032	4
15	Screw, 5/8 Bo	798XX008	4
16	O-ring	745XX533	1
17	Illus - Valve Assy; 2012	999XC768-06	1

**Kits**

Description	Part Number
2012 hot-melt valve with input manifold and 214 mounting kit (578xx558)	768xx235
2012 hot-melt valve with input manifold and 211 mounting kit (578xx557)	768xx236
2012 hot-melt valve with input manifold and mounting kit for modular brackets (578xx556)	768xx237
2012 field-replacement valve	768xx216
Re-seal Kit	768xx230

(Input manifold assembly includes the heater and RTD sensor.)

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# Warranty

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## Hot-Melt Equipments, Hoses, Valves, and Related Equipment

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All components except cast-in heating elements are warranted for a period of six (6) months from the date of shipment by Shure-Glue Systems, Inc. Cast-in heaters carry an additional, pro-rated warranty not to exceed three (3) years from the date of shipment by Shure-Glue Systems, Inc.

Liability of the company is limited to repair of the product, or replacement of any part shown to be defective, and does not extend to defects caused by accidents, misuse, abuse, neglect, tampering or deterioration by corrosion. This warranty does not cover those items determined by Shure-Glue Systems, Inc. to be normal wear items such as seals, O-rings, diaphragms, springs, etc.

Reconditioned equipment, unless specified otherwise at the time of purchase, will be warranted as described above for a period of ninety (90) days from the date of shipment by Shure-Glue Systems, Inc.

Components purchased by Shure-Glue Systems, Inc. from others for inclusion in its products are warranted only to the extent of the original manufacturer's warranty. In no event shall Shure-Glue Systems, Inc. be liable for indirect or consequential damages arising out of the use of Shure-Glue products.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to Shure-Glue Systems, Inc. for examination and verification. If claimed defect is verified, repairs or replacements will be made F.O.B. Cincinnati, Ohio, U.S.A. If the inspection of the equipment does **not** disclose any defect of workmanship or material, any necessary repairs will be made at a reasonable charge and return transportation will be charged.

This is the only authorized Shure-Glue Systems, Inc. warranty and is in lieu of all other expressed or implied warranties, representations or any other obligations on the part of Shure-Glue Systems, Inc.



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## Service

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If you have problems with your system, please contact your Shure-Glue representative. If your need is urgent, we encourage you to contact our corporate office in Cincinnati, Ohio, U.S.A. at (513) 874-5581. If the problem cannot be resolved, Shure-Glue will promptly arrange to have a technical representative visit your facility. Any charges for a service call will be quoted at that time. Any part that fails during the warranty period shall be returned prepaid to Shure-Glue Systems, Inc. by the customer for disposition.



Upon request, Shure-Glue personnel are available to repair or replace such parts at the customer's facility. Charges for this service include travel time and expenses.

If an equipment problem is the result of customer abuse, improper installation or operation, all travel time, labor, parts, and expenses will be charged to the customer.

If the responsibility for a problem cannot be absolutely determined, the customer will be charged for travel time and expenses only. No charge will be made for parts and labor.

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Call or email for the office  
nearest you.



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