

Saturn Solenoid Valves

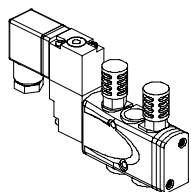
Issued 5/05

Kits are shipped with a solenoid valve and either one silencer (3-way) or two silencers (4-way) attached to the valve. Optional accessories shown are purchased separately. Use these instructions to install a solenoid valve onto a pneumatic gun.

WARNING: Risk of personal injury or equipment damage! Refer to the safety information provided in the gun manual before servicing the gun. Failure to comply with the safety information provided can result in personal injury, including death.

Required Tools:

#1 philips screwdriver
 $\frac{3}{32}$ flat head screwdriver
 Small adjustable crescent wrench
 0.75 – 0.34mm² (18–22 AWG) three-conductor cable

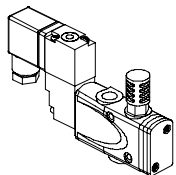


4-way solenoid with silencers
(air-open-air-closed guns)

24 VDC w/ MOV and
LED light P/N1055483

24 VDC w/ LED light
P/N1053894

24 VDC w/ no LED light
P/N1055480



3-way solenoid with silencer
(air-open-spring-closed guns)

24 VDC w/ MOV and
LED light P/N1062017

24 VDC w/ LED light
P/N1056119

24 VDC w/ no LED light
P/N1055481

100 VAC no LED light
P/N1056273

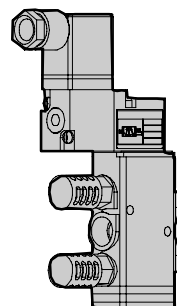
120 VAC no LED light
P/N1056120

200 VAC no LED light
P/N1056274

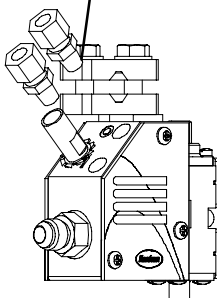
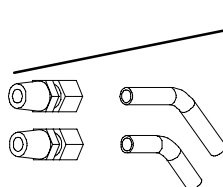
240 VAC no LED light
P/N 1056121

Install a 4-Way Solenoid

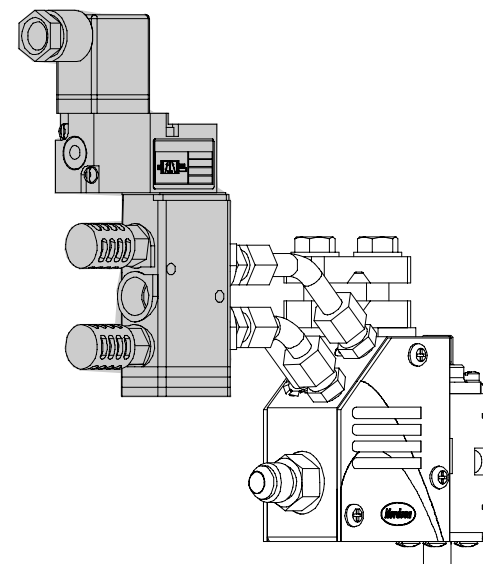
1.



Refer to *Parts and Accessories* for mounting kit part numbers

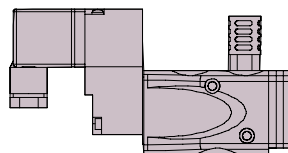


2.



Install a 3-Way Solenoid

1.

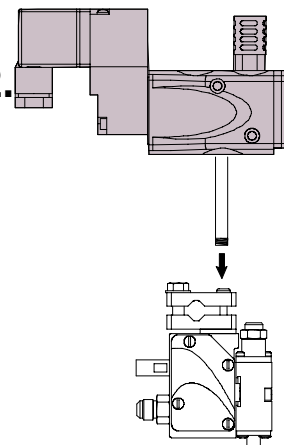


Note: Solenoid P/N 1062017 is assembled with a quick disconnect coupling for easy attachment to a gun/applicator.



$\frac{1}{8}$ in. X 3 in. pipe nipple

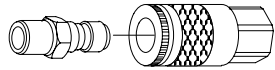
2.



Continue



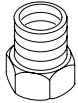
Parts and Accessories



Air Fittings

P/N 231262, 1/4 in. NPT
Quick-disconnect

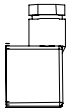
P/N 1058830, air inlet fitting adapter
assembly, 3/8 in. X 8 mm



Adapter

P/N 973372, 1/4 in. NPT X 1/8 in.
NPT bushing

P/N 1058526, 1/4 BSPP X NPT
adapter



Connector

P/N 1058522 – Std, black, no LED

P/N 1058523 – Clear with LED,
24 VDC

P/N 1058524 – Clear with LED,
120 VAC

P/N 1058525 – Clear with LED
and MOV, 24 VDC

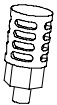
Mounting Kits (includes tubing
and pipe fittings)

P/N 1063229 – 3-way single module

P/N 1063250 – 3-way multi-module

P/N 1063251 – 4-way single module

P/N 1063252 – 4-way multi-module



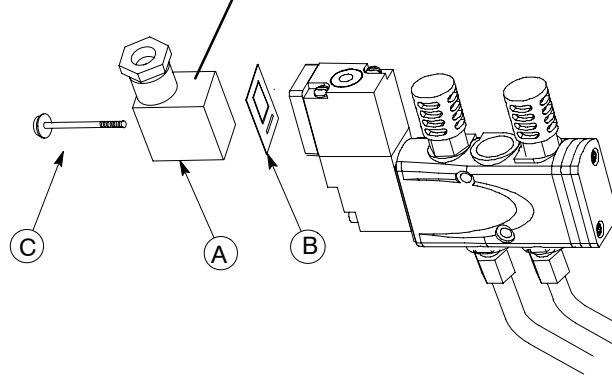
Muffler

P/N 1058058, 1/8 in. NPT

P/N 1058059, 1/4 in. NPT

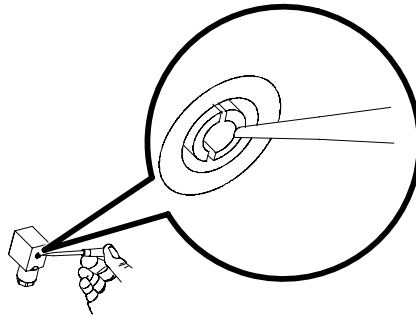
Connect the Triggering Device

1. Use a #1 philips screwdriver to loosen the terminal block screw (C) and then remove the terminal block (A) from the solenoid valve. Save the gasket(B) and screw (C).



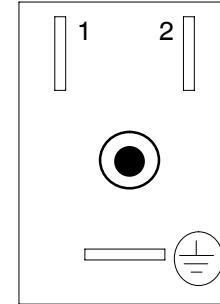
2. Gently press against the edge of one of the terminal block retaining prongs to remove the terminal block from the housing.

CAUTION: Do not pry the terminal block out of the housing. Doing so can damage the electrical connection pins.



3. Thread a customer-supplied 0.75 – 0.34mm² (18–22 AWG) three-conductor cable through the housing strain relief.

4. Use a 3/32 flat head screwdriver to connect the positive and negative leads of the three-conductor cable to terminals 1 and 2 (polarity does not matter), and connect the ground wire to the ground terminal.



5. Snap the terminal block back into its housing.

6. Align the gasket on the terminal block housing, plug the terminal block into the solenoid valve, and secure it with the terminal block screw.

7. Connect the three-conductor cable to the triggering device. Refer to the instructions that came with the triggering device.

8. Connect a clean, dry, regulated air source to Port 3 of the 3-way solenoid, or to Port 1 of the 4-way solenoid.

Note: The ports on the solenoid valve are numbered for easy reference.