

Mounting Instructions for ASCO® Solenoids to ISO 5211-Compliant Actuators

Swagelok®

Kit Contents



O-rings  
(2)



Flow Plate  
(2)



Flow Gasket



Solenoid Assembly  
(will vary by kit)





Mounting Screws  
(2)

Not Included in Kit



ISO 5211-Compliant Actuator

Tools Required

Tool	Size	Component
 Torque wrench	5/32	Mounting screws
 Hex bit	Capable of 30 in.-lbs (3.4 N·m)	

## **⚠ WARNING**

Before removing the valve from service, to avoid personal injury, you must:

- Depressurize the system
- Cycle the valve
- Purge the system to remove any residual system media left in the valve.

## **⚠ CAUTION**

Actuated assemblies must be properly aligned and supported. Improper alignment or inadequate support of the actuated assembly may result in leakage or premature valve failure.

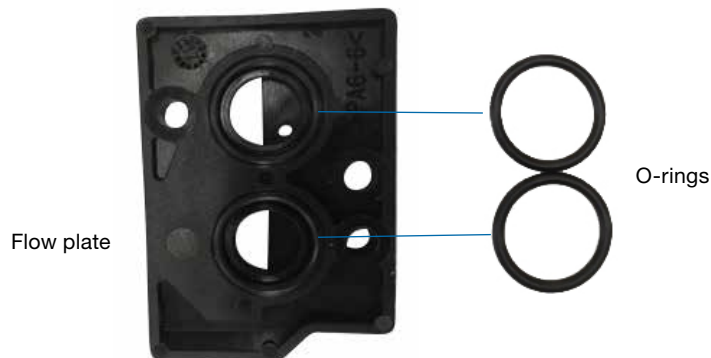
## **Assembly Instructions**

1. Identify the type of flow plate to be assembled: 3/2 for a spring return actuator or 5/2 for a double-acting actuator. Verify the correct flow plate from the kit by locating the **marking** on the edge of the flow plate. Discard the unused flow plate.

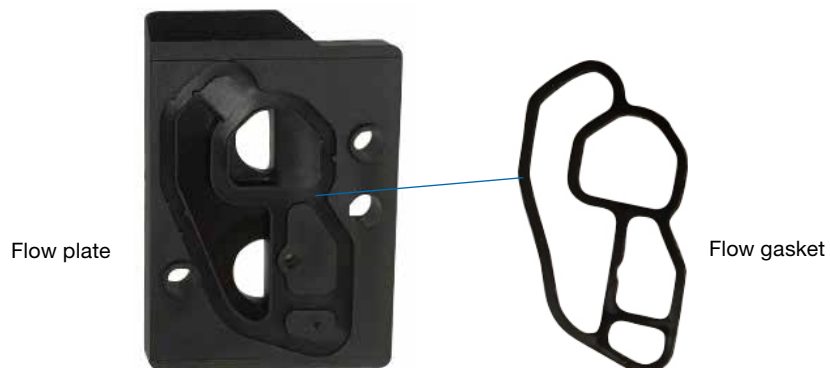


*5/2 Flow Plate shown*

2. Install the two **O-rings** into the corresponding grooves on the **flow plate**.



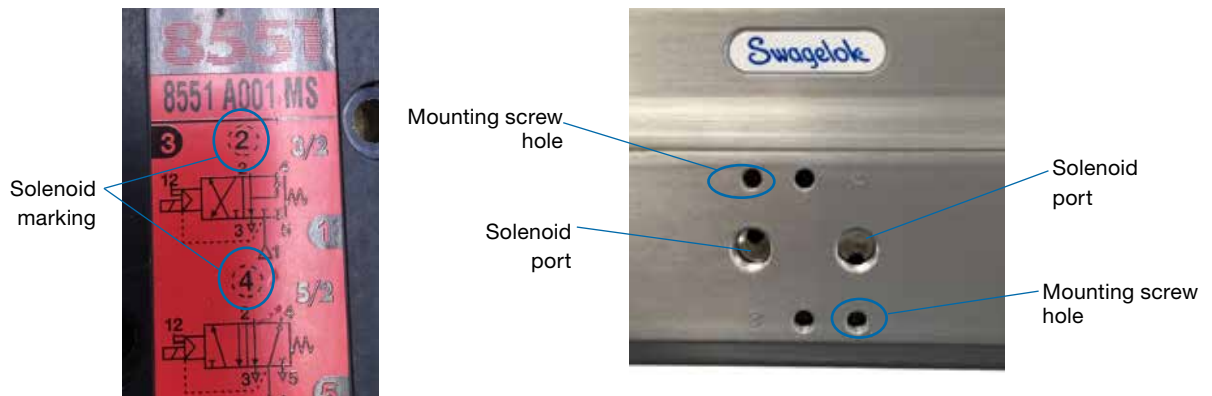
3. Install the **flow gasket** into the corresponding groove on the **flow plate**, on the opposite side from the O-rings.



4. Install the **mounting screws** through the holes on the **solenoid assembly** and those of the flow plate. Orient the flow plate with the flow gasket against the solenoid. Tighten the mounting screws using a hex key.



5. Using the **marking** on the solenoid as a guide, align the **ports** on the solenoid with the matching ones on the actuator. Line up the mounting screws with the corresponding holes on the actuator.



6. Verify that the solenoid is aligned in the horizontal direction so the wiring is pointing downward. Using a torque wrench, tighten the mounting screws to 20 to 30 in.·lbs (2.3 to 3.4 N·m).



*For additional information, see **[www.swagelok.com](http://www.swagelok.com)**.*