

# GB Series Ball Valve



## Instructions for Mounting A30/A60/A100 Series Pneumatic Actuators

### Kit Contents

This kit contains the parts shown below.



**Coupling Shaft**



**Coupling Spring**



**Coupling Sleeve**



**Button Head Cap Screws (4)**



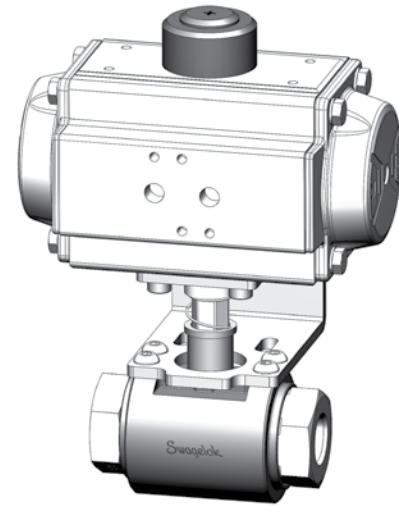
**Socket Head Cap Screws (4)**



**Mounting Bracket**

### Tools Required

Part	Size	Tool
Hex keys	5/32 in. (4 mm) 3/16 in. (5 mm)	
Wrench	9/16 in. for 8GB 3/4 in. for 16GB	
Torque wrench	—	



### ⚠ WARNING

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

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

1. Place the valve in the desired open or closed position. This will determine the initial valve/actuator position.
3. Assemble the **coupling shaft** into **coupling spring** and **coupling sleeve**.

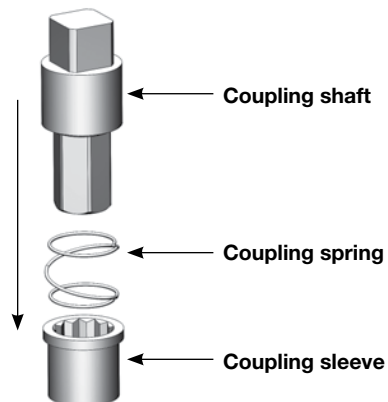


Closed valve



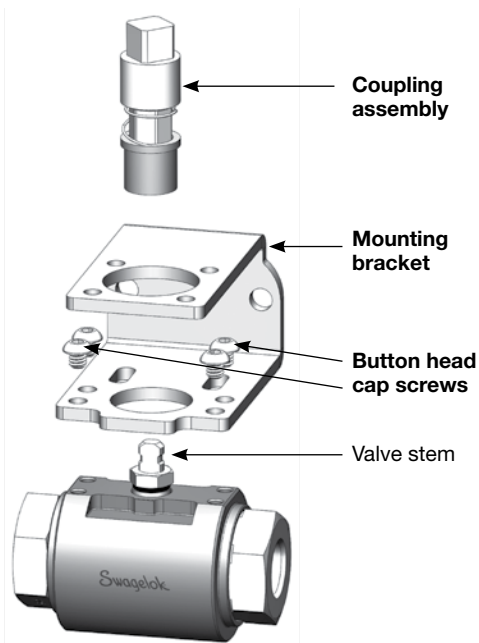
Open valve

2. Remove the following items (if present, items are not shown): upper stem nut, stem spring, stop plate, handle, grounding spring, cap screws, and locking bracket as shown in MS-CRD-0267, *GB Series Ball Valve, Instructions for Installing Locking Handles*.



\***Bold indicates kit component**

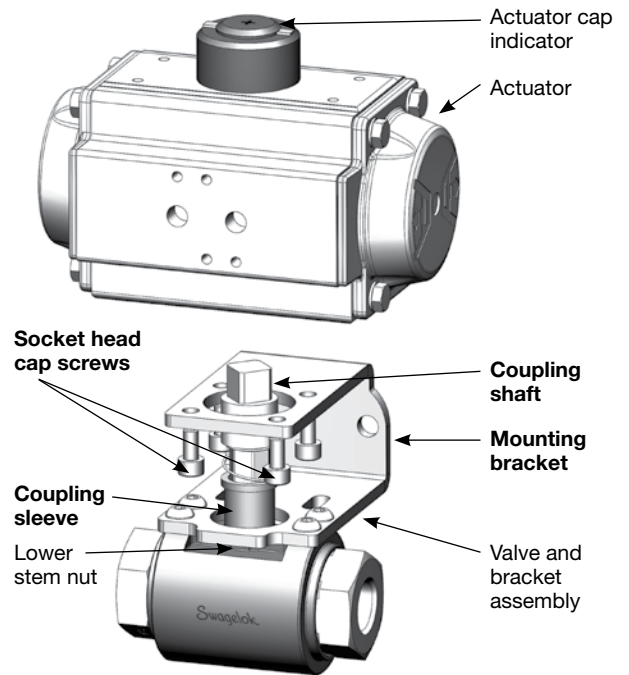
- Attach the **mounting bracket** to the valve using the four **button head cap screws**. Tighten the screws to 75 in.-lb (8.5 N-m).
- Slide the **coupling assembly** onto the **valve stem**.



**\*Bold indicates kit component**

- Attach the **actuator** to the **mounting bracket** using the four **socket head cap screws**. The recommended torque is 75 in.-lb (8.5 N-m).

NOTE: Ensure the **coupling sleeve** goes over the **lower stem nut**. If necessary, turn the **lower stem nut** slightly clockwise to engage it with the **coupling sleeve**.

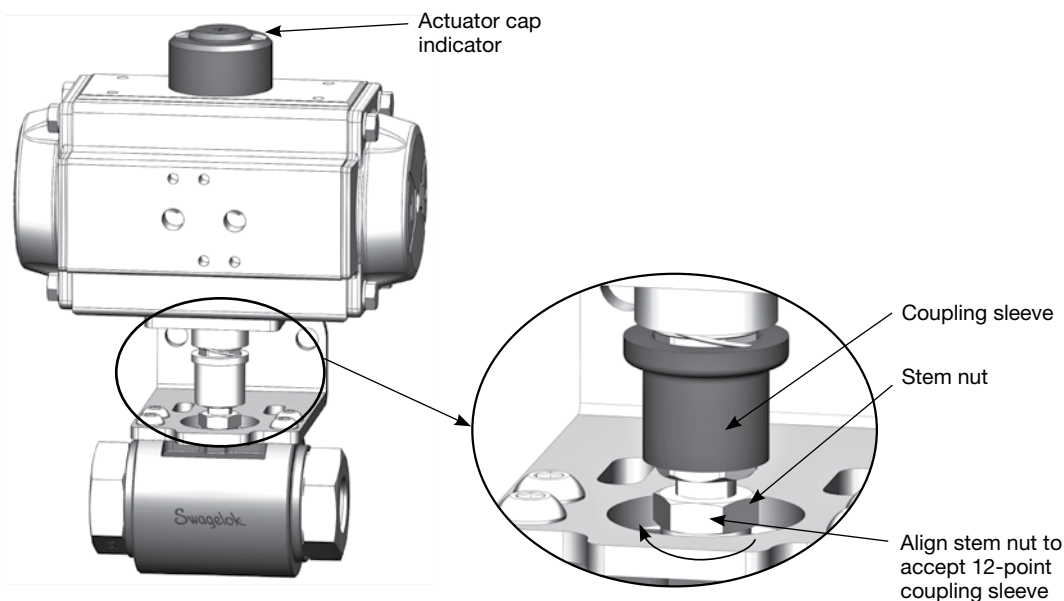


**\*Bold indicates kit component**

- Place the **actuator** onto the **valve and bracket assembly**, engaging the **actuator** with the **coupling shaft**.

NOTE: Retract the **coupling sleeve** and verify the **stem flats** are parallel to the **actuator cap indicator**.

- Test for proper actuation and leak-tight integrity.



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