



Mounting 83 Series Ball Valve to 130/150 Series Pneumatic Actuator

Tool list: Hex key: 9/64 in., 3/16 in., 3/32 in.
Torque wrench capable of 100 in.-lbs (11.3 N-m)
Open-end or crescent wrench: 1 1/8 in.

⚠ WARNING

Before servicing any installed valve, you must

- depressurize system
- cycle valve
- purge the valve

⚠ WARNING

Residual material may be left in the valve and system.

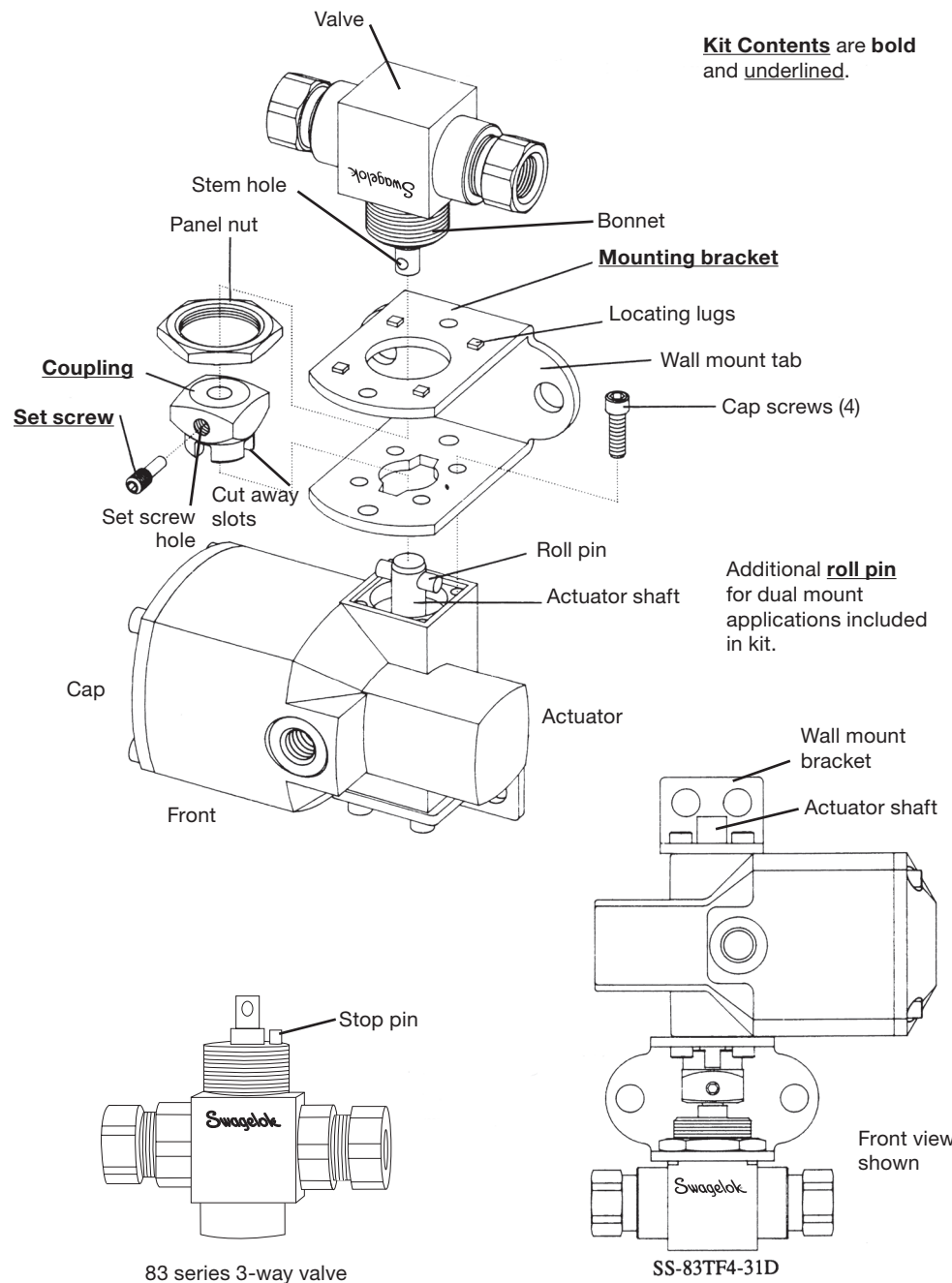
⚠ CAUTION

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.

Dual mounted assemblies: Remove **wall mount bracket** and press roll pin into the **actuator shaft**. Repeat the following instructions for each assembly.

1. Put valve in the following position:
2-way, normally open assemblies: open
2-way, normally closed and double acting assemblies: closed
3-way: position the open orifice opposite the stop pin.
2. Remove the set screw (not shown). Remove the handle (not shown) and **panel nut**.
3. Remove the four **cap screws** from the **actuator**. Place the **mounting bracket** over the **roll pin** and position the **wall mount tab** toward the **rear** of the actuator.
4. Attach the **mounting bracket** with the four **cap screws**. Tighten cap screws to: 131/151 series, 20 in.-lbs (2.3 N-m, 23 cm·kg); 133/153 series, 80 in.-lbs (9.0 N-m, 92 cm·kg).
5. Set the **coupling** on the **roll pin**.
Normally open: Orient coupling **set screw hole** towards the **front** of the actuator.
Normally closed: Orient coupling **set screw hole** towards the actuator **cap**.
6. Place **panel nut** on the **coupling**.
7. Align the coupling **set screw hole** with the valve **stem hole**. Insert the **valve bonnet** between the **locating lugs** with the marked side of the valve facing the front of the actuator.
8. Thread the **panel nut** onto the valve **bonnet**. Tighten to 100 in.-lbs (11.3 N-m, 115 cm·kg).
9. Slide **set screw** through coupling set screw hole and tighten to 15 in.-lb (1.7 N-m, 17 cm·kg).
10. Test for proper function and operation.

Note: View depicts valve assembled to actuator in the valve open position.





Mounting 83 Series Ball Valve to 140 Series Electric Actuator

Tool list: Hex key: 9/64 in., 3/32 in.
Torque wrench capable of 100 in.-lbs (11.3 N-m)
Open-end or crescent wrench: 1 1/8 in.

⚠ WARNING

Before servicing any installed valve, you must

- depressurize system
- cycle valve
- purge the valve

⚠ WARNING

Residual material may be left in the valve and system.

⚠ 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.

⚠ CAUTION

Do not use these actuators on vented ball valves. The drive shaft of these actuators rotates in one direction.

⚠ Not CE marked.

1. Put **valve** in the following position:
2-way: closed
3-way: position the open orifice opposite the stop pin.
2. Remove the set screw (not shown). Remove the handle (not shown) and **panel nut**.
3. 3-way valves only, the **positioning paint dot** on the **actuator shaft** should be located on the **conduit** side of the actuator.
4. Remove the four **cap screws** from the **actuator**. Place the **mounting bracket** over the **roll pin** and position the **wall mount tab** toward the rear of the actuator.
5. Attach the **mounting bracket** with the four **cap screws**. Tighten cap screws to 50 in.-lbs (5.6 N-m, 58 cm·kg).
6. Set the **coupling** on the **roll pin** with the coupling **set screw hole** towards the front of the actuator.
7. Place **panel nut** on the **coupling**.
8. Align the coupling **set screw hole** with the valve **stem hole**. Insert the **valve** through the **mounting bracket**, **panel nut**, and **coupling**. Center the valve **bonnet** between the **locating lugs** with the marked side of the valve facing the front of the actuator.
9. Thread the **panel nut** onto the valve **bonnet**. Tighten to 100 in.-lbs (11.3 N-m, 115 cm·kg).
10. Slide the **set screw** through coupling **set screw hole** and tighten to 15 in.-lb (1.7 N-m, 17 cm·kg).
11. Test for proper function and operation.

Note: View depicts valve assembled to actuator in the valve open position.

