

INSTALLATION

CAUTION

The use of a pressure reducing regulator to supply the minimum actuator operating pressure (20-25 psig) to the unit will maximize actuator life and minimize air consumption.

To install an actuator, first remove any existing operating lever from the RegO® A7853A control valve.

WARNING

Release all system pressure before installing the ME710 actuator. Failure to follow these instructions or to properly install and maintain this equipment could result in personal injury or death.

Install ME710 linkage (1) onto RegO® A7853A control valve (2) with rounded corner facing the valve pin. Attach linkage (1) to the control valve (2) using new roll pin (3) included in the installation kit. Assemble 3/8" lock washers (4) onto 3/8"-16 bolts (5) provided and install RegO® A7853A control valve (2) onto actuator bracket (6) as shown in Figure 1. Tighten the two bolts (5) to 25 - 30 inch pounds torque. Position linkage (1) into actuator piston slot (7). Install linkage retaining pin (8) through actuator piston (7) and valve linkage (1). Install the cotter pin (9) through the linkage retaining pin (8) to retain in place. Determine desired mounting position for the actuator assembly. The mounting bracket (10) is universal for right or left hand installation. Attach mounting bracket (10) to actuator body (6) in desired position using 1/4"-20 bolts (11), 1/4" lock washers (12) and 1/4"-20 nuts (13) provided in installation kit.

Install mounting bracket bolts (11) with the head on the inside of the main actuator bracket (6) as shown in Figure 1 to ensure proper clearance for the actuator. Install 1/4" lock washers (12) on the outside of the mounting bracket/actuator assembly prior to installing the 1/4"-20 nuts (13). Tighten the four connecting points to 25 - 30 inch pounds torque. This completes the actuator assembly.

MOUNTING. Locate mounting bracket (10) at desired position on truck frame or other suitable surface. Mark and drill mounting holes 3/8" diameter. Attach mounting bracket/actuator assembly with minimum Grade 5 bolts (not included). After installing the unit, install three-way brass adapter (#15) into connector inlet (#14). Install thermal safety plug (#16) into either open port on three-way brass adapter (#15). Connect the actuating pressure line to the remaining port on three-way brass adapter. Operate the actuator with air pressure to confirm it operates the control valve (2) from open to close without sticking or jamming and that the RegO® Flomatic® internal valve operates as intended.

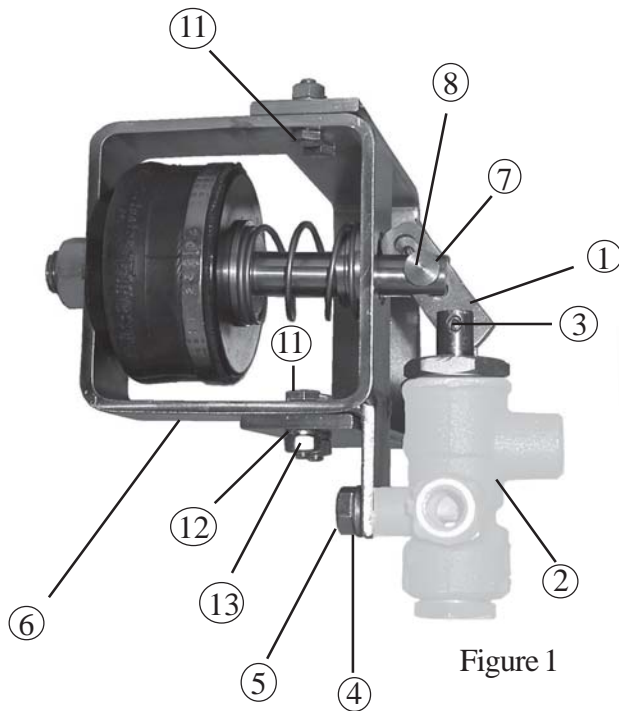


Figure 1

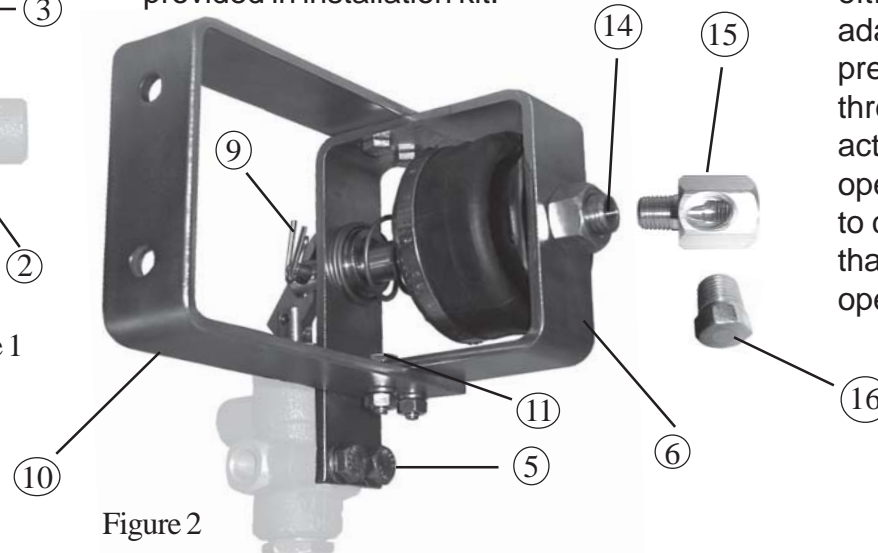


Figure 2