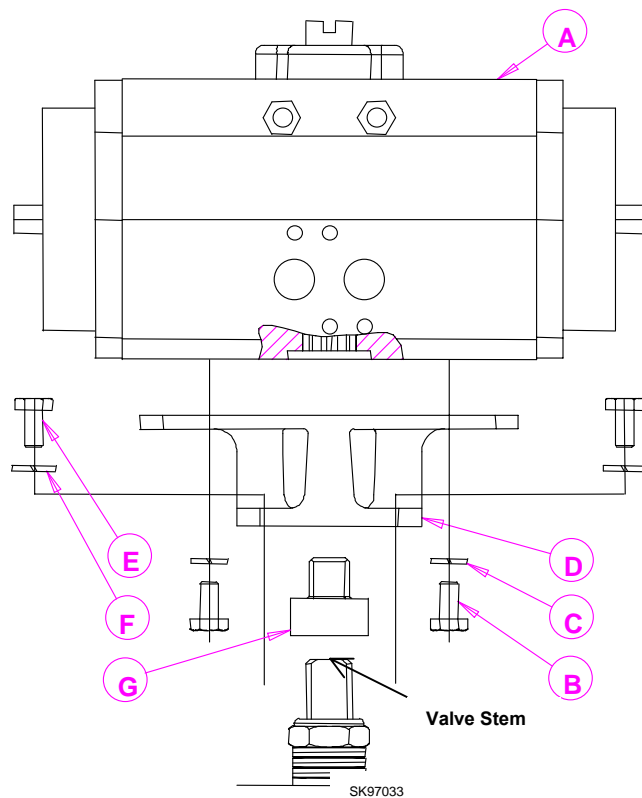


# MAINTENANCE INSTRUCTIONS

## Direct Mount Actuator Assembly



| COMPONENT LIST |                     |
|----------------|---------------------|
| Item           | Description         |
| A              | Actuator            |
| B              | Actuator Fastener   |
| C              | Actuator Lockwasher |
| D              | Mounting Adapter    |
| E              | Valve Fastener      |
| F              | Valve Lockwasher    |
| G              | Insert              |



Follow instructions to ensure optimum performance.

### Disassembling a Direct Mount Actuator Assembly

1. De-energize, then disconnect all electrical and pneumatic power to the actuator assembly.
2. Loosen and remove fasteners attaching actuator to the mounting adapter. Lift actuator from mounting adapter.
3. Remove the insert from the drive in the output shaft of the actuator or the valve stem.
4. Unscrew bolting and remove mounting adapter from the valve.

### Assembling a Direct Mount Actuator Assembly

1. Bolt mounting adapter to the body.
2. Place the insert onto the valve stem.
3. With the valve in the fail position, if any, place the actuator onto the mounting adapter with the axis of the actuator either parallel or perpendicular to the pipe run.

4. Install and tighten the bolts connecting the actuator to the mounting adapter.
5. Verify that the position indicator on top of the actuator is properly aligned with the valve's ball port. If incorrect, remove the position indicator and reinstall it correctly.
6. Connect the pneumatic and/or electrical power to the actuator assembly.
7. Energize actuator and check open ball port alignment. If ports do not align with seats, determine whether the ball is over-rotating or under-rotating. De-energize actuator.
8. Adjust open ball alignment using the maintenance procedures for PBM actuators (LT-122A).