

### REPLACE METRON PROTRACTOR IN ELECTRIC ACTUATOR

To replace the METRON PROTRACTOR, Part No. 423958, in the electric actuator, complete the following steps:

1. Remove power from electric actuator circuit.
2. Remove electric actuator from cylinder valve.
3. Unscrew actuator cap. See Figure 1.

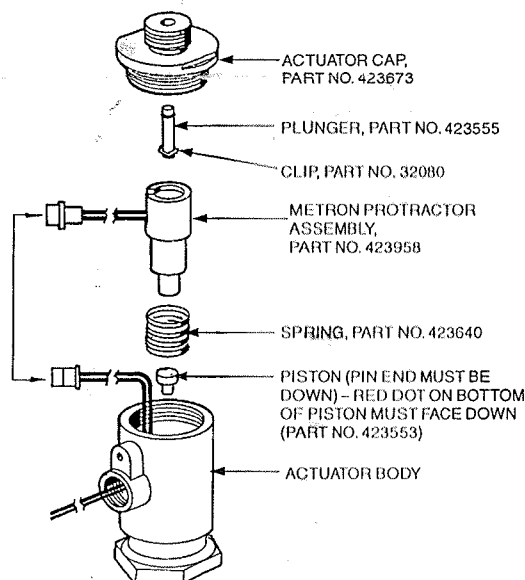


FIGURE 1  
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4. Lift actuated METRON PROTRACTOR assembly housing out of actuator body and disconnect wire plug. See Figure 1.
5. Discard used METRON PROTRACTOR assembly. A discharged METRON PROTRACTOR will have the stainless steel pin extending approximately 1/8 - 3/16 in. out of the bottom. On a new METRON PROTRACTOR, the pin will not be visible. See Figure 2.

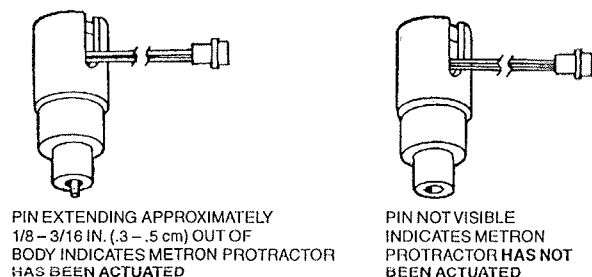


FIGURE 2  
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6. Before positioning new METRON PROTRACTOR housing assembly into electric actuator body, remove the piston. Thoroughly clean piston and inside bottom surface of actuator body of any dirt or foreign material. As the pin is emitted from a METRON PROTRACTOR when it operates, a small metal disc is ejected. This metal disc may be found resting on the piston inside the actuator body. Before replacing the actuated METRON PROTRACTOR assembly with a new one, make certain this metal disc is removed from the piston area. Replace piston back into body. When replacing piston, make certain pin end is facing down.

#### NOTICE

The design of this explosion-proof enclosure requires that the inside be clean in order for the unit to function properly.

7. Position METRON PROTRACTOR housing assembly back into electric actuator body, making certain METRON PROTRACTOR housing assembly and spring are properly seated in bottom of actuator body. See Figure 1.



#### CAUTION

Before completing Step No. 8, make certain the control panel is reset and the release circuit is not in an actuated mode.

8. Plug wire connector together. See Figure 1.
9. Carefully tuck wire connector at an approximately 45° angle down along side of METRON PROTRACTOR housing assembly. **NOTE:** Make certain wires are not located over top of housing.
10. Make certain plunger moves freely up and down. See Figure 1.
11. Screw cap back on actuator body. Securely tighten.
12. Make certain piston on bottom of actuator is free to move up and down. Red dot on bottom of piston stem must be visible. See Figure 3. **NOTE:** If pin is not visible in bottom hole of actuator, the piston has been re-installed incorrectly. Disassemble and correct.

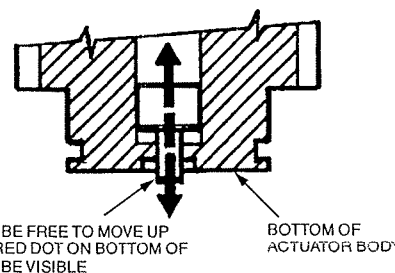


FIGURE 3  
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See INERGEN® DESIGN, INSTALLATION, RECHARGE, AND MAINTENANCE MANUAL and CARBON DIOXIDE SYSTEMS COMPONENTS, DESIGN, INSTALLATION, RECHARGE AND MAINTENANCE MANUAL for resetting of manual actuators, selector valves, manual pull stations, and cartridge replacement.