

# M50/M25 Top Works Kit – Installation Instructions

For any instructions not included in this document please refer to the complete installation manual which is available at [www.fwmurphy.com](http://www.fwmurphy.com).

These installation instructions apply to all M50 and M25 series Top Works kits. Refer to 00-02-0206 Installation and Operation Manual for Top Works part numbers.

To begin installation of the Top Works assembly, please follow these instructions:

## Removing the existing Top Works:

1. Disconnect all power and purge pressure before disconnecting wires and pressure connections. Also, relieve all internal pressure and purge the valve of all fluid or gas.
2. Remove existing mounting bolts that fasten existing Top Works assembly to the valve body. There are a total of four hex head cap screws that are used to couple the two components.
3. Upon removal of fasteners, separate the unit from the valve body slowly. Check to verify that there is no debris present. Remove any visible debris from the unit, as the debris may cause the valve to malfunction.

## Installing the new Top Works:

1. Once the mating surfaces of the Top Works assembly and the valve body have been inspected and deemed clean, align the shaft assembly and mate the case of the Top Works assembly with the valve body.
2. Reinstall fasteners loosely and verify that the shaft assembly is not binding in anyway. Tighten the fasteners.
3. PLEASE NOTE: On some older units it may be necessary to oversize existing holes in the valve body. In the event that the cap screws will not engage into the Top Works case, it will be necessary to enlarge the existing hole(s) with a 5/16" drill bit to allow for ample clearance. This hole size is the equivalent of a SIZE P jobber drill.

**CAUTION:** After holes have been drilled ensure that no debris gains entry into the valve body.

4. Reconnect all electrical connections, pressure connections and covers, and test per 00-02-0206 IOM.

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