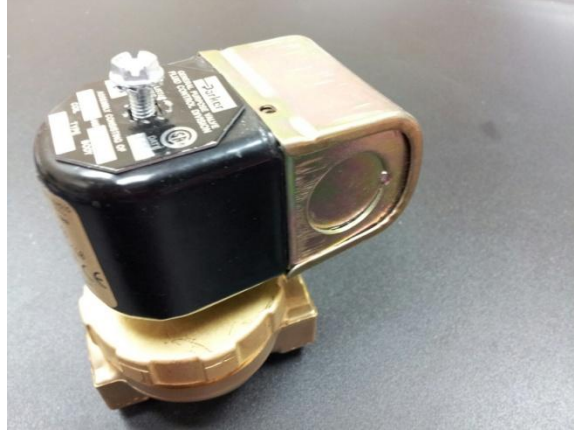


# TECHNICAL SUPPORT MATERIAL

## Preventative Maintenance

Replacement of ½" water solenoid diaphragm



Solenoid valve assembly



Remove screw and coil from tube



Twist to remove top, RH threads, first close water pressure to valve then twist top



Correct plunger placement, spring on top



Coil will lift plunger in the tube.



Inspect the gasket in bottom of the plunger



It must seal the top of the rivet shown here



Turn over the diaphragm inspect near the rivet head



A cut or indent would stop sealing on the center ring



Remove the o-ring retainer, remove the screen the center ring for cuts or damage to the surface. If the stainless seat (center ring ) is rough or cut, the valve body must be replaced.



Remove any material or debris from the body. Inspect

Reassemble in reverse order



## Failure modes



Errors are returning a corroded diaphragm to service.



Failing to remove spring lodged in tube



Installing valve wrong way, see arrow flow direction



Installing diaphragm upside down, see lettering up



Failure to notice indents at sealing ring  
4/29/2013



If voltage is at the coil but plunger will not lift, bad coil