

How to replace the Reverse Osmosis Solenoid E valve.

The service should be done when the wash is closed. If you are uncomfortable doing this level of plumbing work, please contact a licensed Plumber and have them replace the Solenoid E.

Tools

- Standard Hand tool set
- A Brass wire brush.

Material to be used:

- Plumbing Joint Compound
- Plumber's Tape

Parts Needed

- P-WAT-2438 - Angle body piston valve, 1-1/4" NPT, bronze, 2 way, 420mA (Solenoid E)

Steps:

1. Isolate Water, Electricity, and Air from the Reverse Osmosis system.
2. Take detailed pictures of the wiring and hose connections before disassembly.

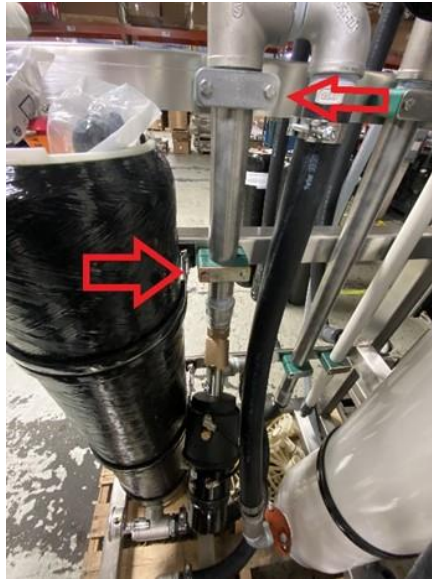
3. Locate Solenoid E.



4. Remove the following piping.



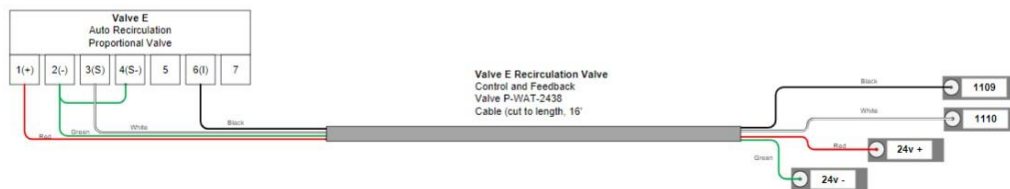
5. Remove the piping bracket and piping connected to Solenoid E.



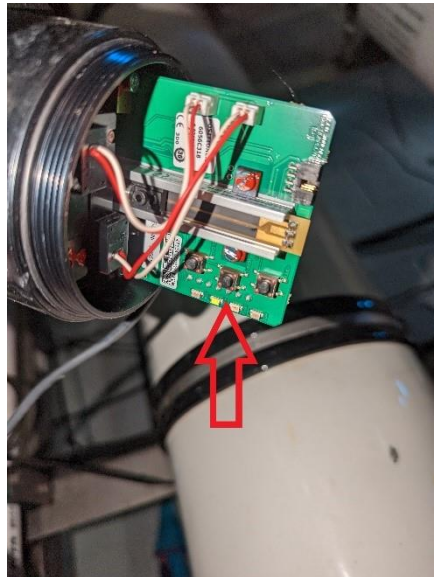
- 6.** Remove Solenoid E and the pipe it is connected to.



- 7.** Remove Solenoid E from the pipe.
8. Installation is the reverse of removal.
9. Clean all pipe and hose connections. Apply plumbing dope/tape on all plumbing connections before reassembly.
10. Reconnect all electrical connections.



- 11.** Make sure the air supply is turned back on and the regulator is set to 80psi. Double-check for the correct flow direction on the regulator.
- 12.** Restore the External Power Switch to ON. HMI should come on and show the unit is in OFF mode.
- 13.** Initialize Solenoid E by removing the clear end cap and holding down the middle button for more than 3 seconds until the outer LEDs start flashing yellow and orange then release. The valve will operate open and close several times for approximately one minute then stop with a solid green LED on. Put the cap back on before starting the RO unit.



- 14.** Restore the water supply back to The Reverse Osmosis system.
- 15.** Run the Reverse Osmosis System in Purge mode for a few minutes to eliminate air bubbles in the system. Additionally, press and hold the red button on the Sediment Filter to purge air from it until water comes out.
- 16.** Test the Reverse Osmosis System in Auto mode to ensure proper operation.

If you feel uncomfortable replacing The Solenoid E Valve, please contact your licensed plumber to replace the Solenoid E Valve.

If the issue persists, please contact Equipment Support at 616-795-4892 or Support@TommyCarWash.com