

PURPOSE:

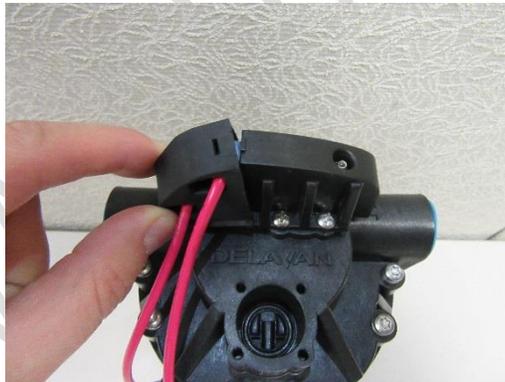
The purpose of this resource is to diagnose a possible pressure switch OR relay (7870 Series) failure.

TOOLS REQUIRED:

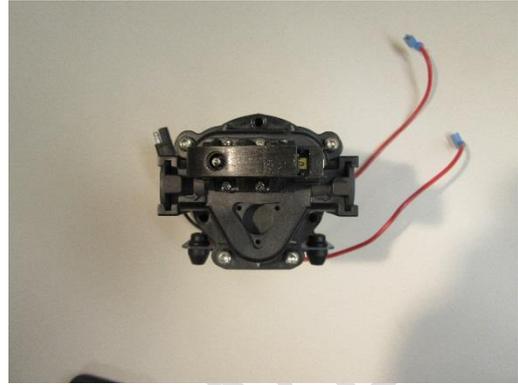
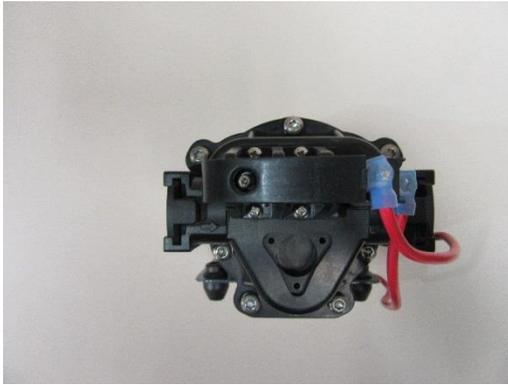
- 2-4 inches of 12-14 AWG wire stripped at both ends
- Pliers (optional, not always necessary)

PROCEDURE:

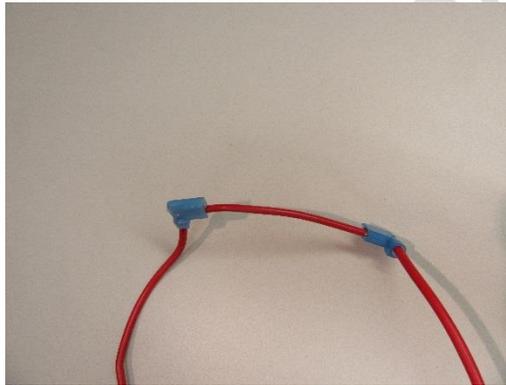
1. Ensure that the power supply to the pump is good, and the pump has 12V going to it and all wires are connected properly in the circuit.
2. If you have a 7870 series pump (FB2 or FB3) make sure the pump is not clicking, if you are hearing a clicking when power is supplied, it means the relay has failed and a new one will get your pump back in working order.
3. Disconnect pump from power and disconnect hoses. Avoiding this step can result in injury or damage to pump.
4. First, disconnect the two blue flag terminals that run alongside the motor to the front of the pump and up to the pressure switch (If you have a 5800/5900 or 7870/7970 model there will be a rubber grommet cover the switch you will need to remove).



- a. Normally they can be disconnected by pulling on the wires close to the connectors, but if it they are difficult to pull off it may require the use of a pliers to grab the blue flag terminals



5. Once the terminals are disconnected, use your wire to insert the stripped ends into each flag connector.



6. Once wire is secured into flag connectors then reconnect pump to power.
 - a. If the pump turns, the pressure switch has failed and a new one will be needed.
 - i. (P/N: 7800-PSW)
 - b. If the pump does not turn on, then there is a failure in the motor.