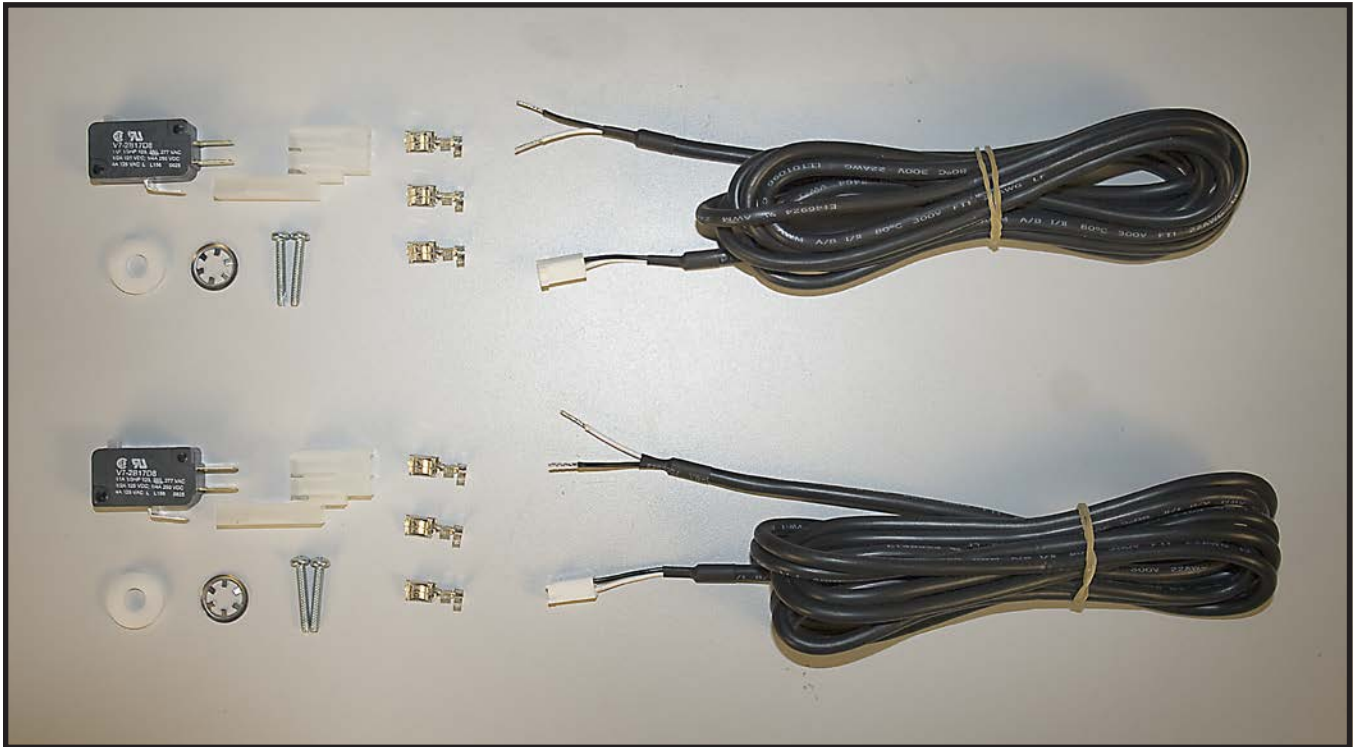


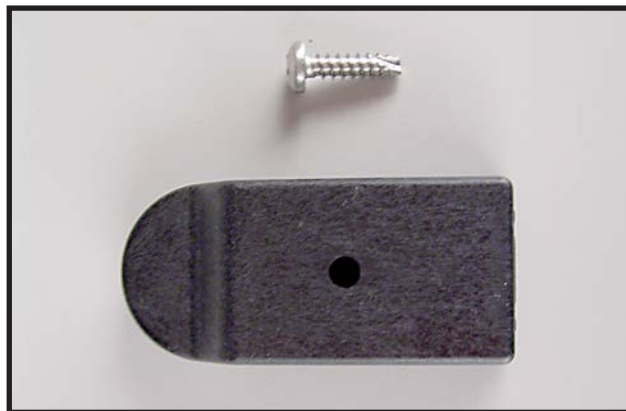
DP Lockout with V3009, V3473 & 3805

REQUIRED PARTS

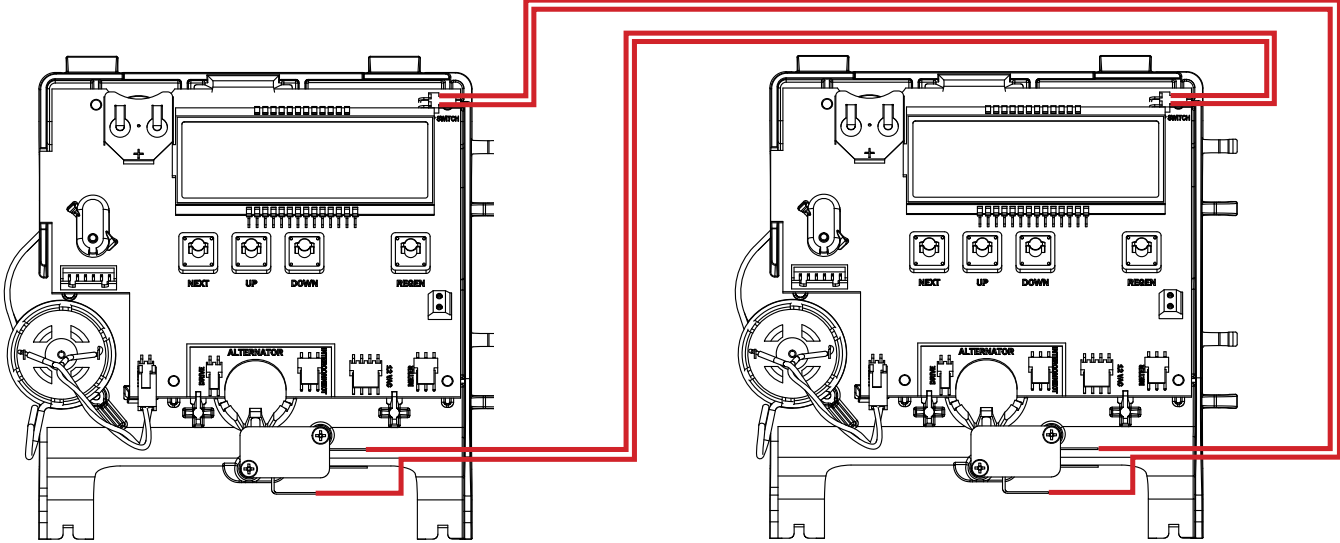
(2) V3009 Micro Switch Kits & (2) V3473 DP wire harness 8ft



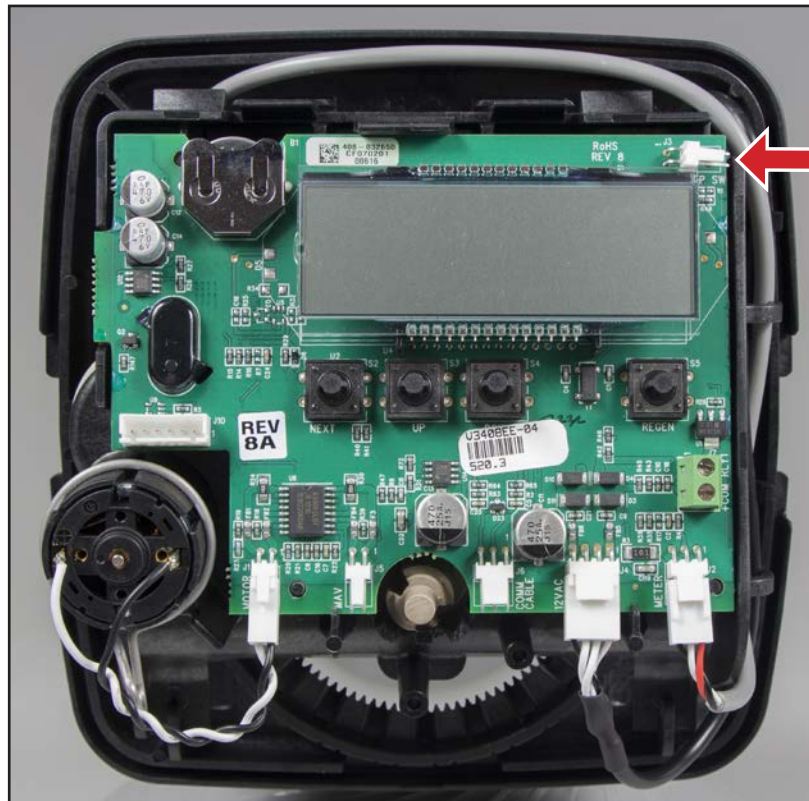
(2) V3805 Strain Relief Cover kits



DP Lockout Wiring Guide



DP Lockout Installation Guide



**DP Switch
function
and two pin
connector**

1. You will need to remove the front cover of the valves you are going to install the lockout kits on. Make sure the valves PC Board has the DP Switch function and two pin connector.



2. You will need to remove the valves drive bracket and PC Board from the backplate and disconnect the wires from the PC Boards.

DP Lockout Installation Guide



3. Once drive bracket is removed, locate knockout on backplate. You can use a punch or a Phillips screw driver and place it in the center of the knockout circle and tap it with a mild to medium force with a hammer to punch out circle knockout piece.



4. Now the washer (V3306) and retaining ring (V3305) of the V3009 switch kit needs to be installed on each of the control valves piston rods. The washer must go onto the end of the piston rods followed by the retaining ring, make sure the retaining ring is pressed on and securely pushed against the washer.

DP Lockout Installation Guide



5. Re-install the drive bracket assemblies and re-connect any disconnected wires back to the proper location on each PC Board.



- 6a. The (2) V3473 DP wire harness 8ft cables need to have the terminal wire ends that come with the V3009 kits installed on the end of each wire harness so that each wire harness can connect to the micro switch on each valve. After all of the terminal ends are crimped onto the wires they can now be brought through the knock out on each valves backplate. The DP wire end with the molex end can be connected to the PC boards two pin connector labeled "DP SWITCH" on each.

DP Lockout Installation Guide

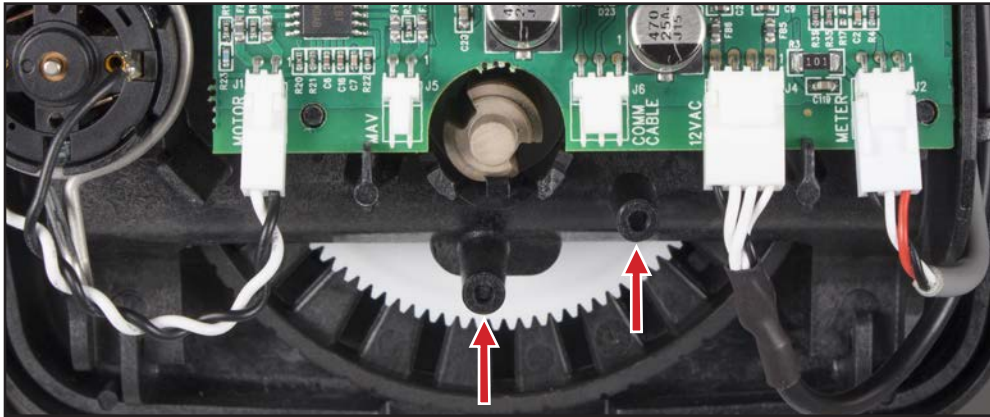


6b. Once each valve has all of the wires brought through the knock out on the backplate, you can then use pliers to break out each tab in the strain relief on the back. This will allow each wire to be weaved down on each.

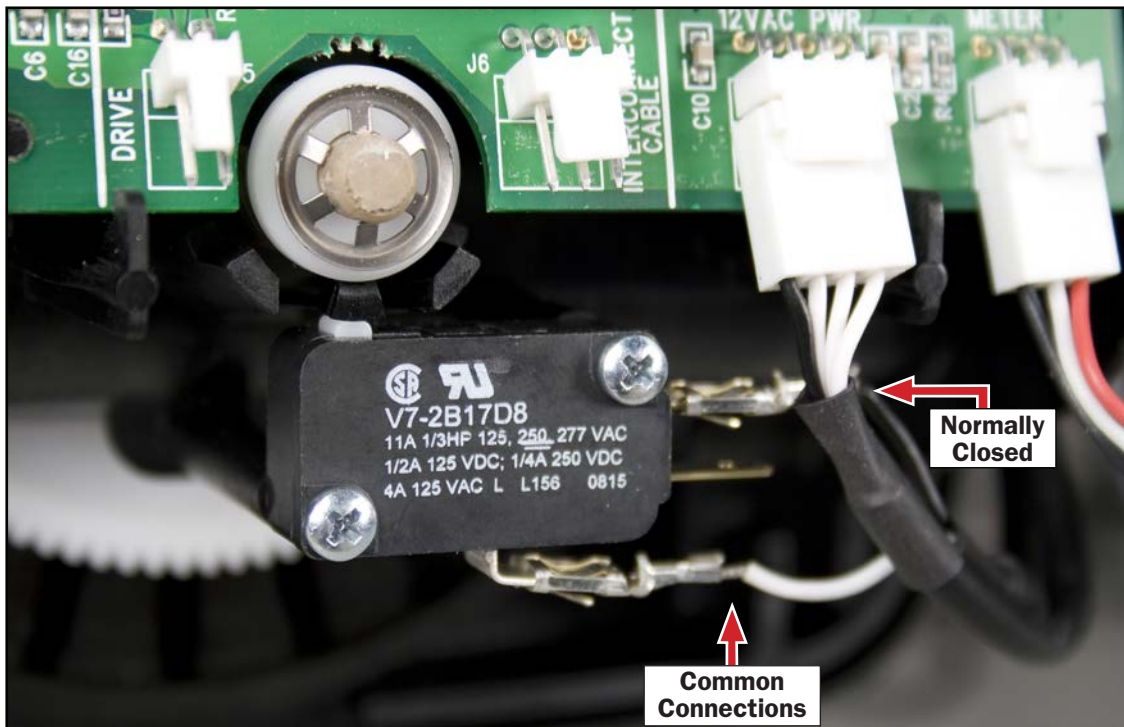


6c. Next you can use the V3805 strain relief cover kits to fasten over the top of the strain relief on each valve. (See picture above that shows the bracket being snapped in correctly to where the locking tabs fully secure the drive bracket.)

DP Lockout Installation Guide



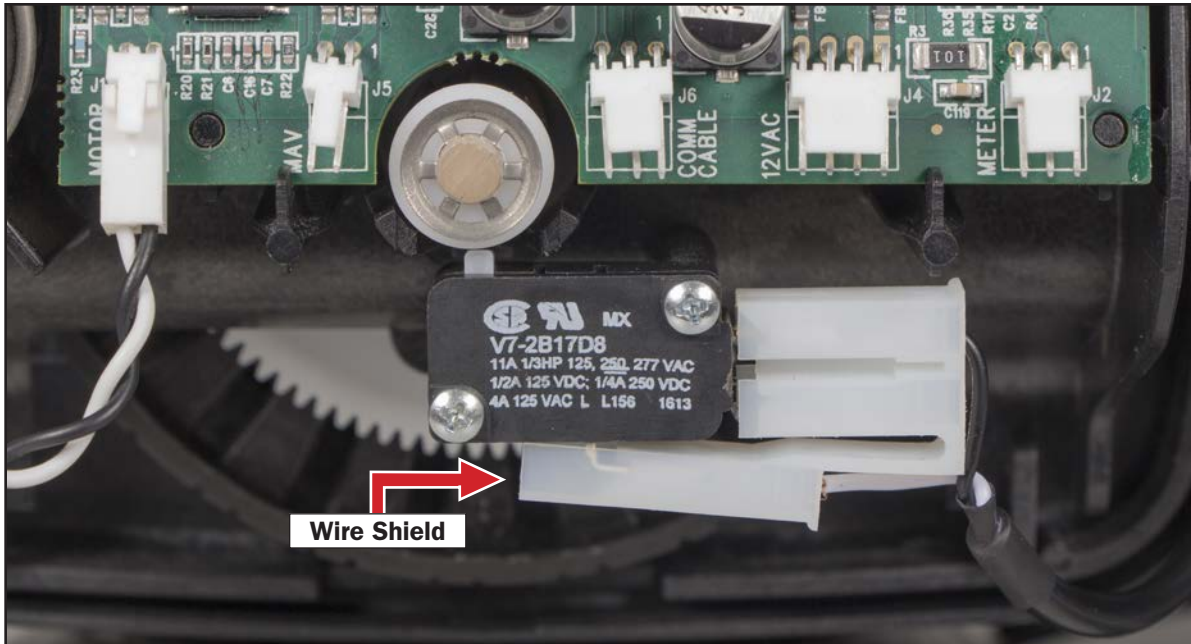
- Each valve will now need to have the micro switch from the V3009 kit with the two screws for each micro switch so that the switch can be mounted on the two posts just below the piston end and PC Board. Be careful not to over tighten the screws to where they crack the micro switch.



- The DP is a dry contact therefore it does not effect the operation if the white or black wires do not match the example. Please make sure the normally closed and common connections are used.

Note: the wire shield is not shown in the above example to better show the proper wire connections.

DP Lockout Installation Guide



10. The wire shield that was not shown needs to have the wires installed into it in the proper positions and then installed on each valve's micro switch. Next the wire with the white Molex connector end needs to be connected to each PC Boards two pin connector for the DP switch. Make sure all wires are connected to the proper connections before powering the valves and beginning to program.

DP Lockout with V3009, V3473 & V3805 Programming

The purpose of V3009 & V3473 is to connect two control valves together so that when one control valve goes into a regeneration cycle it will send a signal to the other control valve that will prevent it from regenerating at the same exact time.

Program setting for the DP option:

1. The PC board you are using must have DP **“Hold”** as an available selection when setting the DP function.
2. You must program each valve for DP **“Hold”** to achieve a regeneration lockout signal between each control valve.

