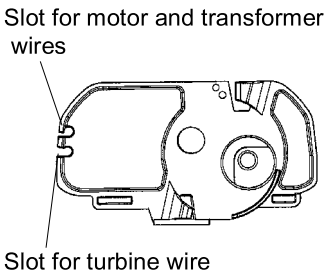
To install a wiring harness:

NOTE: Start at the back of the valve and work toward the controller. This will place any slack behind the controller. Slack or loose wires can become tangled in the camshaft.



1. Depending on which harness is being installed, plug the connector into the motor or turbine.
2. Route the harness through the opening at the back of the top plate.
3. Place the harness into the clips on the top plate. Do not leave any slack. Put the motor wire in first, then the turbine sensor cable second.
4. Feed the wire through the opening on the front of the top plate.
5. If installing the motor harness the connector to the optical sensor can be clipped in place.
6. Connect the harness to the back of the controller.

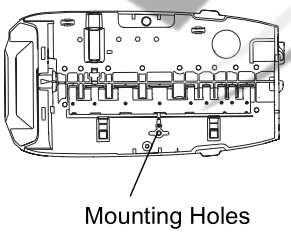
NOTE: If using both a motor and turbine cable harness, install the smaller motor cable first. Install the larger turbine cable second. This will lock the motor cable beneath in the wire management clips.

Microswitch (Optional Under the Cover)

The microswitch is located under the cover and is screwed to the top plate. This switch is turned on/off by a cam lobe on the camshaft. Its function is to signal that the unit is in-service or out-of-service (regenerating).

Microswitches are available as kits from GE Water Technologies, or a standard microswitch can be used as well.

WARNING: This switch will normally control an event on another piece of equipment. Be certain of what effect your actions will have on the other equipment.



To install microswitch:

1. Connect wires.
2. Use self-tapping screws to secure the switch base to the blind boss top plate.
3. Adjust microswitch distance to cam.

NOTE: Proper procedure for replacing a self-tapping screw:

A. Drop screw into hole.
B. With a screwdriver, back the screw up (counterclockwise) until the threads click.
C. Rotate the screw forward (clockwise) until finger tight.