



Electronic Water Valve 12/24 Volt Kit 570-3532

INSTALLATION INSTRUCTIONS

WATER VALVE

1. The water valve is designed for 16mm or $\frac{5}{8}$ " I.D. heater hose. Determine the valve position in the system, noting the direction of flow arrow marked on the valve body.
WARNING – RUNNING THE COOLANT FLOW IN THE WRONG DIRECTION CAN DAMAGE THE SEALS IN THE WATER VALVE AND CAUSE IT TO LEAK.
2. If necessary, drain cooling system or clamp the hoses with hose shut off clamps.
3. Attach the valve to the hoses, making sure the arrow on the valve body is pointing in the direction of coolant flow. Clamp the hoses with appropriate hose clamps, installed or torqued per the clamp manufacturer's recommendations.
4. If necessary, remove hose shut off clamps and refill coolant.

CONTROLS AND WIRING

1. Find a suitable location for the control potentiometer, knob, and control label in the dash panel and drill a $\frac{3}{8}$ " diameter hole for the potentiometer bushing. A $\frac{1}{8}$ " diameter locator hole can be drilled 0.53" from the center of the $\frac{3}{8}$ " hole at the 9 o'clock position to clear the locating tab on the potentiometer. Note that the wires on the potentiometer should be pointing down to align the knob with the label.
2. Set the height and secure the potentiometer to the dash panel with the $\frac{1}{2}$ " hex nuts.
3. Attach the control label around the potentiometer and secure the knob on the potentiometer shaft, aligning the set screw with the flat on the potentiometer shaft. The alignment of the knob should match the label.
4. Connect the 3-pin connector on the wire harness to the potentiometer and the 4-pin connector to the water valve actuator. Supply power to the red wire and ground to the black wire. The water valve is rated for operation between 10 and 32 Volts DC.
5. Any of the kit wires may be lengthened by splicing in extensions of 16 gauge wire. GXL wire is recommended. Excessive lengthening of the wires may result in voltage drop.
6. The system will operate at no more than 500mA. Protect the circuit with an appropriate fuse. All connections should be verified as making solid electrical and mechanical contact.

SERVICE PARTS LIST

RD-5-8487-1P	Resistor Assembly – Variable Rotary
RD-5-8134-0P	Knob
RD-3-8705-0P	Label – Temperature Control
RD-6-5910-0P	Harness – Water Valve
RD-1-3242-0P	Valve – Water Electronic 12V / 24V

