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Retrofit Kit for Dash Air Temperature Control Switch and Water Valve

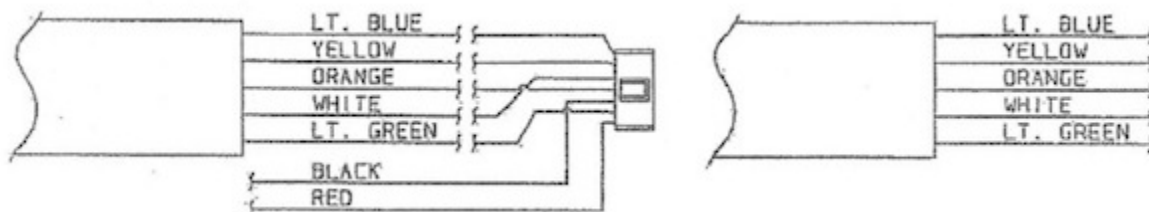
SGM Model K6201 Retro-fit kit replacing "H" style electronic water valve system with updated "in-line" electronic water valve system using the existing "H" wire harness



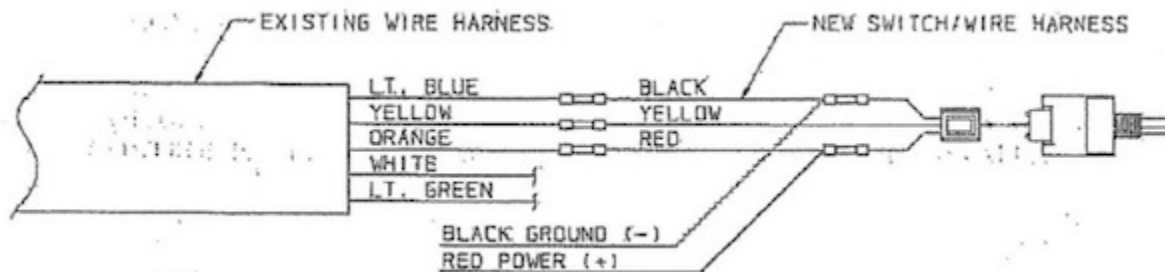
Old SGM Dash Air Temp Switch with Broken Stem

Control panel instructions

1. Remove screws retaining control panel to dash, and slide control panel out from dash, save retaining screws for re-installation.
2. Disconnect power and ground (2 gang connector) for the temperature switch, then disconnect 7 gang connector from temperature switch.
3. Remove knob from temperature switch and save for re-installation.
4. Remove retaining nut, lock washer, and washer from temperature switch. Slide temperature switch, spacer and lock washer out of control panel, save spacer and lock washer for re-installation.
5. Cut-off 7 gang connector from main water valve harness, directly behind connector. Reference diagram below. Discard remaining portion of connector.



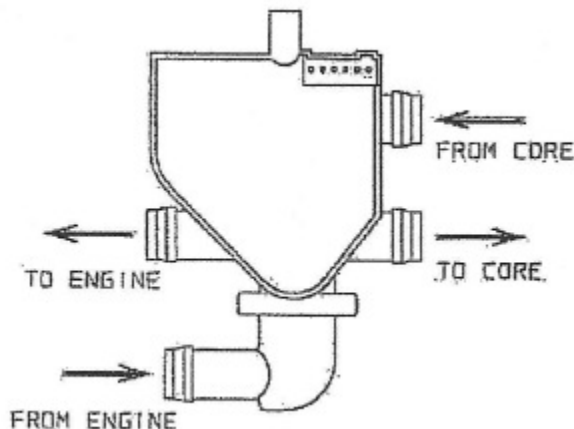
6. Strip lt.blue, yellow, and orange wires .250" then crimp to new switch/wire harness assembly included in kit to existing wire harness. Crimp as follows: crimp lt. blue to black.,Yellow to yellow and orange to red, reference diagram below.



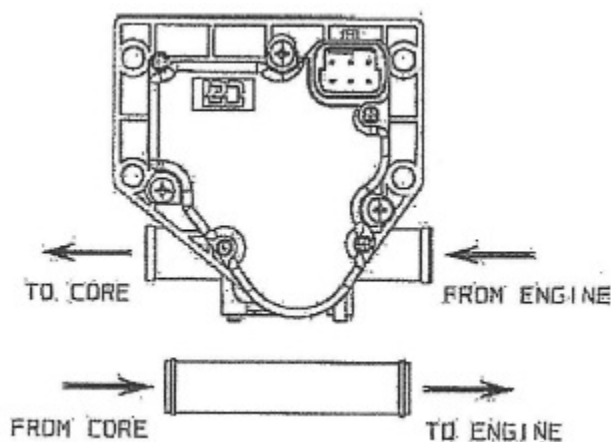
7. Install new switch, spacer, lock washer onto control panel in correct orientation, and tighten with washer, lock washer and nut, re-connect power and ground to switch.
8. Tighten knob to temperature switch, and verify orientation and rotation. Re-install control panel into dash

Water valve instructions:

1. Disconnect 6-gang connector from electric water valve.
2. Identify heater hose positions, for: to and from engine, and to and from heater core. Reference diagram below. Please note orientation of valve.



3. Remove clamps retaining electric water valve to heater hose. (To prevent coolant loss, sneeze off, or plug heater hoses after removing from water valve) remove water valve from system.
4. Install new in-line electric water valve, and in-line hose splice. Reference diagram below. Please note orientation of valve.



5. Clamp new in-line valve and splice to heater hose.
6. Connect wire harness from new in-line valve into existing wire harness, previously plugged into "H" style valve.
7. Verify operation of temperature control valve and switch.

by SGM Company 440-255-1190

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