



DIVISION OF COLD AIR PRODUCTS INC
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50-1555

Electronic Heater Bypass Valve Kit

PREPARATION FOR INSTALLATION

- 1) Locate area that control switch is to be mounted
- 2) Make sure that there is enough wire harness length to reach heater valve once installed.
- 3) Check back side of dash panel for any obstructions that can interfere with installation of switch.

INSTALLATION, INTERIOR

- 1) Drill 7/16 diameter hole in dash for switch.
- 2) Install switch from backside insert shaft through previous drilled 7/16-diameter hole and secure using panel nut.
- 3) Install nut cover and knob.
- 4) Attach the keyed connector to switch and route wire through firewall to area that heater valve will be installed.
- 5) Locate black wire from heater valve wiring harness and connect to body ground. **NOTE:** It is very important to have a good ground connection because a loose ground wire can cause excessive amperage draw that may result in switch failure or damage the wire itself.
- 6) Locate red wire from heater valve wire harness and connect to a 12-volt ignition (key-on) power source.

INSTALLATION, ENGINE COMPARTMENT

- 1) Locate area where heater valve will be installed (Be sure wire harness will reach and electronic servo motor on heater valve body is not to close to exhaust manifold).
- 2) Route section of heater hose from the engine heater outlet (usually on the intake manifold) to the heater inlet fitting (bottom tube) on the unit.
- 3) Route a second section of heater outlet fitting (top tube) on the unit to the heater return fitting on the engine (usually on the water pump).
- 4) Position the heater valve in desired location. Inlet fitting on heater valve can be rotated on valve body for installation of inlet heater hose. Splice into heater hoses and connect as shown in photo 1.
(If vehicle is equipped with 3/4" heater hose install sleeve adapters to water valve fittings.)

Tip: We recommend gear type clamps be used to fasten the heater hoses and caution should be taken not to over torque the clamps creating damage to the heater valve.

- 5) Fill radiator with antifreeze for a minimum protection of -10 degrees Fahrenheit.

