Return to Instruction Sheet index

TCI® 826501

Thermostatic Temperature Control Switch

The TCI® Thermostatic Temperature Control Switch will operate one or two fans. It will turn your fan/fans on at 185 degrees and off at 165 degrees. The temperature may vary due to probe location. When you have the air conditioning on it will override the temperature switch.

Before starting installation, please read instructions carefully and check parts list.

Kit contains:
1 Temperature Probe (Brass Rod)
1 Foam Pad
1 Relay
1 25 Amp Fuse
1 Screw-In Snap Switch
1 Retaining Clip
1 Wire Harness
1 Sheet Metal Screw

Installation Instructions:

It may be necessary to remove or loosen top sheet metal, shroud and/or radiator mounts to allow access to both sides of the radiator.

The temperature probe should be installed three to four inches below top hose connection of radiator.

A. Select desired mounting location of temperature probe. Spread the radiator fins and slip probe completely through the radiator until the probe protrudes from other side of radiator.

B. Screw snap switch into temperature probe

STEP 1 Disconnect Battery. (brass rod).

STEP 2 Installation of Temperature Probe:

STEP 3 Relay Mounting:

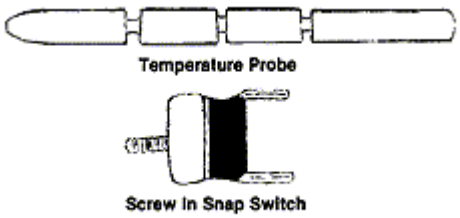

ILLUSTRATION A

Mount relay in a location that will allow the brown wire to reach the snap switch on the temperature probe. Choose a location that will allow easy routing of wires and avoid high heat sources, such as exhaust manifolds or pipes.

A. Drill 1/8" hole at desired mounting location for sheet metal screw. Using sheet metal screw supplied in kit secure relay.

B. Install 25 AMP fuse into fuse holder.

C. Measure the thickness of the radiator with the rod. Mark the rod at the radiator thickness. Remove rod from

radiator. Break off excess rod at the break point that is past the width of the radiator.

D. From the engine side, insert rod into prepared location in radiator. Make sure the rod contacts the radiator tubes and the switch contacts the fins of the radiator.

E. Remove the protective paper from the adhesive backed foam pad. Install foam pad, adhesive side first onto the end of the temperature probe that is exposed through the radiator.

F. Install retainer clip onto temperature probe rod. The concave side slides over the probe until it contacts the foam pad. The retainer must seat directly against the foam pad.

STEP 4 Wiring Instructions: **(See Illustration B)**

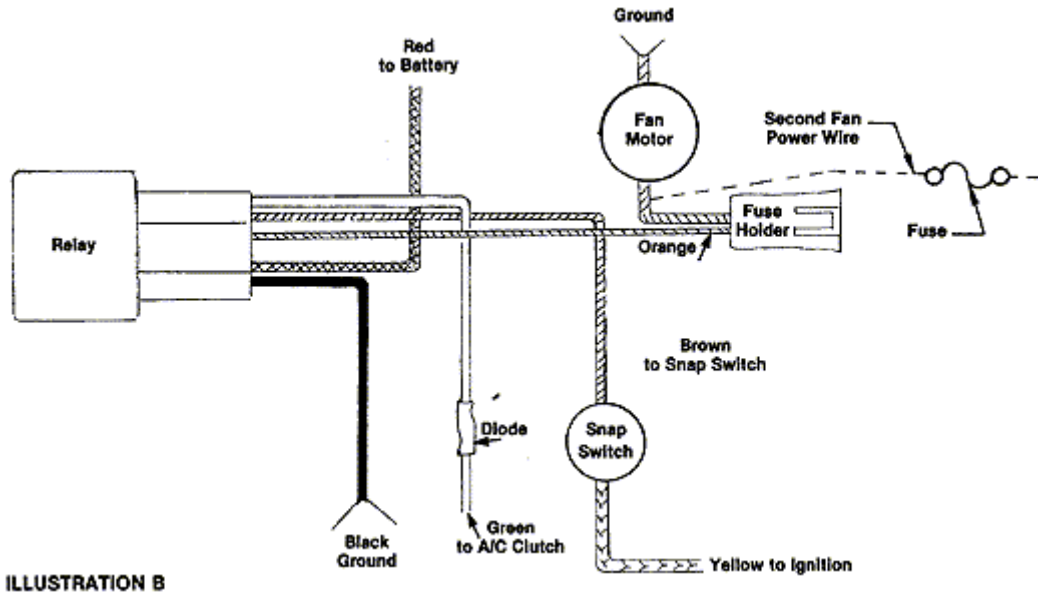

ILLUSTRATION B

Brown: Connect brown wire to either terminal on snap switch.

Yellow: Connect yellow wire to any 12 volt key activated circuit. The yellow wire must be connected to a full and constant 12 volt source. Low or fluctuating voltage will cause early relay failure. Connect other end of yellow wire to remaining terminal on the snap switch.

Green: Connect the green wire to the power wire leading to the air conditioning clutch. It can be used as a manual override if the vehicle does not have air conditioning.

Red: Connect the red wire to the positive terminal of the battery.

Orange: Connect the orange fused wire to the positive fan motor wire. **(See Illustration B).** Connect the other fan wire to a good chassis ground.

Black: Connect the black wire to a good chassis ground.

STEP 5 Reinstall or secure all radiator mounts, shroud and/or sheet metal removed.

STEP 6 Reconnect battery.

STEP 7 Test system: Turn ignition key on. Turn air conditioner on. Fan/fans should now be operating. If not, recheck wiring. Turn air conditioning off.

Start vehicle, allow time for engine to warm up. Fan/fans should turn on when the radiator temperature reaches 185 degrees. After the temperature has cooled to 165 degrees, the fan/fans will turn off.

After wiring is complete check all connections to make sure they are secure. Remove all tools, rags and any foreign object from under the hood.

Back to Top