

centerline products

164 Thermoswitch Installation

1. Start by removing the plastic cover just inboard of the driver's headlight. The screw for it is located in the lower corner next to the headlight, under the rubber flap.
2. Remove the bolt securing the upper radiator hose support to the radiator crossbar. Remove the four bolts connecting the radiator crossbar to the car. Push the crossbar and attached components towards the rear of the car to gain access to the top of the radiator.
3. Remove the two bolts connecting the top of the fan shroud to the radiator. Remove the four bolts, and two brackets, connecting the top of the A/C condenser to the radiator.
4. The original fan switch is located on the driver's side of the radiator near the top of the radiator side tank. Cut the black and the white wires very close to the switch. Leave the red wire intact.
5. Crimp the two spade connectors that come with the new switch to the black and white wires coming from the harness. Set these aside for now.
6. The resistor that creates a two-speed fan is located in the upper corner of the fan shroud, on the driver's side of the car. Cut the green and brown wires attached to this, and butt-splice them together. Remove the resistor from the fan shroud, as it will no longer be needed. Doing this will allow the fan to run at full speed whenever it comes on.
7. Examine the instructions included with the new switch. Install the probe holder to the rear of the radiator, just forward of where the resistor was located. Orient the holder so that the probe will be in a vertical position and well clear of the fan itself.
8. Mount the new switch bracket to the forward side of the crossbar, near the left end of the bar. Position the bracket so the switch rests just above the u-bend in the A/C condenser line, with the electrical terminals facing down, and the screw adjuster facing forward. It may help to mount the switch at an angle to clear any obstructions.
9. Attach the new switch to its bracket and secure with supplied screws. Insert the probe into the probe holder and route the capillary tube so it will not be pinched or kinked by anything when you put the car back together. Double check to make sure the probe will clear the fan.
10. Attach the two spade connectors from the black and white wires to the new switch. Polarity does not matter. Turn the adjuster fully clockwise.
11. Once the switch and probe are securely and properly mounted, and the capillary tube is routed, you can begin to reassemble your car. Reattach the fan shroud and condenser to the top of the radiator. Reattach the crossbar and the bolt the upper radiator hose to the crossbar.
12. Make sure all tools are out from under the hood of the car.
13. Reaffirm that the adjuster is fully clockwise, and start the car.
14. When the water temp gauge reaches the mark just above the 175° mark, which is 190°, turn the adjuster counter-clockwise until the fan comes on.
15. Now, observe the gauge. It should fall back to 175° and shut the fan off. Then the temp should rise back to 190° and the fan should turn back on. The cycle should repeat indefinitely.
16. Replace cover just inboard of headlight.