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# Installation Instructions

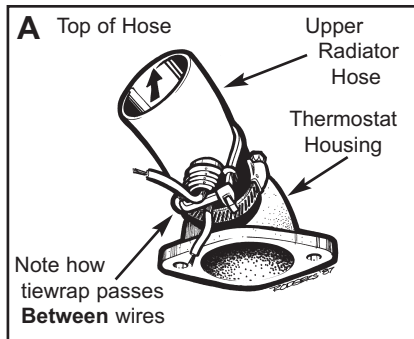
This guide covers the following Item Numbers:  
**19003**

Congratulations, you have made a wise decision. Thank you for purchasing our product.

## Electric Fan Thermal Sensor Switch (180°F)

**IMPORTANT! READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION.**

Press the the sensor switch into the spring mount. Make sure that the wire of the spring does not pinch the electrical wire. Make sure that the sensor switch is as far as it will go inside of the spring. Locate a convenient place on the bottom side of the upper radiator hose to attach the sensor switch, near the water thermostat housing is best. Pass the nylon tie strap down through one eyelet, around the radiator hose, and up through the other eyelet. Position sensor switch, then pull tight (see illustration A).



For lowest possible turn on, apply epoxy to the sides of the thermal switch and to the sides of a head bolt, near an exhaust port. **DO NOT** apply epoxy directly to the face of the sensor switch. Do not mount the switch on an exhaust manifold.

Wire according to the schematics. **SINGLE** (see illustration B). **DUAL** (see illustration C). The switch will

activate at approximately 170°F (77°C). The electric fan motors may be reversible. To reverse the rotation of the fan, change the polarity of the fan motor wires and/or reverse fan blades.

**WARNING!!** This sensor switch and wire are designed for use with a **SINGLE** electric fan only. **DUAL** electric fans **REQUIRE** a larger gauge wire or must be wired through a relay switch. Burnout or fire could result if wired improperly. For **DUAL** fan applications use part number 18902 Heavy Duty Wiring System which includes a 30 Amp relay and wire per illustration C.

For additional accessories or replacement parts visit [www.perma-cool.com](http://www.perma-cool.com)

