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Installation Instructions

This guide covers the following Item Numbers:

18899 Transmission Applications
18900 Engine & Trans Applications

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

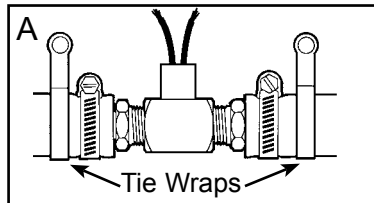
Inline Fan Thermoswitch

IMPORTANT! READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION.

Perma-Cool's® Inline Thermoswitch will automatically activate a 12V electric fan at 180°/185°F and shut off the fan at 165°/170°F and carries up to 15A at 13.8V eliminating the need for a relay unless the electrical load exceeds specifications. **Note: A 30A fuse is required to protect the circuit during fan start-up.**

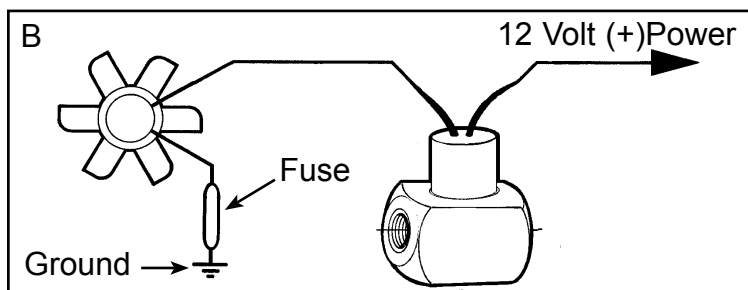
General Installation

To install select location and cut the oil/fluid/water hose. Insert fittings in Switch Module using Teflon® tape or equivalent. **Never use Teflon® tape on AN style fittings.** It is recommended that the Switch Module be installed on the return side of the cooler coil. Slide hose clamp over each hose end before installing hose onto the hosebarb. Position hose clamps 1/8 inch (3mm) from end of hose and tighten. The hose clamp is properly tightened when the hose bulges slightly up through the hose clamp slots. Do not leave Switch Module hanging loose, secure the switch using tie wraps. See illustration A.



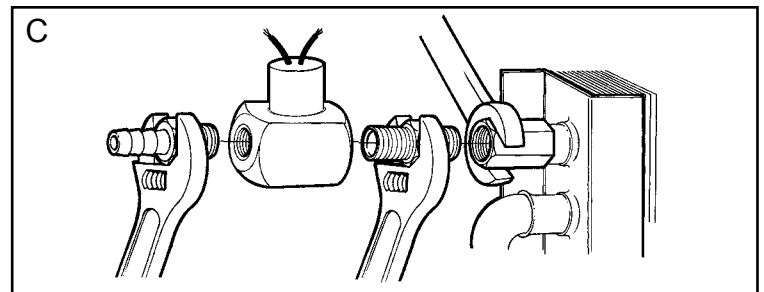
Electrical Installation

Disconnect battery. Wire per diagram. Re-connect battery. Start vehicle and immediately check fittings for leaks. If fluid leaks are observed stop engine immediately and repair. Warm up engine/transmission to operating temperature and check cooler coil to verify the cooler circuit is working (the cooler coil will be warm or hot to the touch). The fan comes on at 180°/185°F and will run until the temperature is reduced to 165°/170°F and then shut-off. **Note: A 30A fuse is required to protect the circuit during fan start-up.** See illustration B.



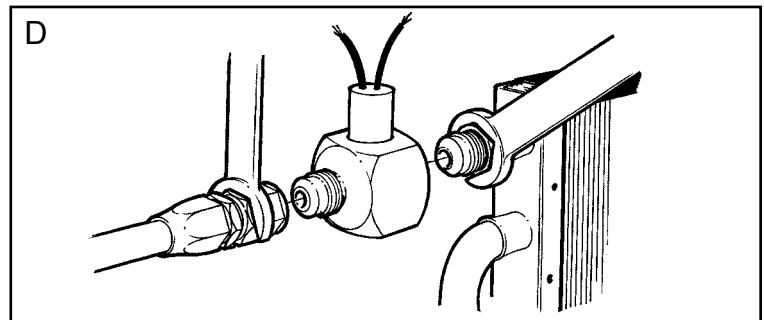
P/N 18900 3/8" NPT Module Installation

This Switch Module features 3/8" NPT ports allowing a variety of applications including engine oil, transmission fluid or engine coolant. When installed in conjunction with a Perma-Cool® Maxi-Cool™ Dual Circuit or Six-Pass Cooling System the Switch Module can be attached directly onto the 3/8" NPT ends at the cooler coil or a short distance from the cooler using 3/8" NPT to hosebarb fittings or AN/SAE fittings. Always use a back-up wrench when installing the fittings at the cooler coil and the Switch Module. See illustration C.



P/N 18899 -6 AN Module Installation

This Switch Module features Female -6AN ports for use with transmission fluid. When installed in conjunction with a Perma-Cool® Maxi-Cool™ Junior Cooling System the Switch Module can be attached directly onto the -6AN fittings at the cooler coil or a short distance from the cooler using -6AN to hosebarb fittings or AN/SAE fittings. Always use a back-up wrench when installing the fittings at the cooler coil and the Switch Module. **Note: Never use Teflon® tape on AN style fittings.** See illustration D.



For additional accessories or replacement parts visit www.perma-cool.com