



# INSTALLATION INSTRUCTIONS

## SINGLE STAGE ELECTRIC FAN THERMOSTAT

### PART # 16730 & 16731

Please read these instructions completely before beginning installation

#### KIT CONTENTS

##### QTY. DESCRIPTION

- 1 1/8" NPT Thermostat Switch
- 1 3/8" x 1/8" Reducer Bushing

#### TOOLS NEEDED

- |                |                        |
|----------------|------------------------|
| 12V Test Light | 5/8" Open End Wrench   |
| Wire Stripper  | 11/16" Open End Wrench |
| Crimping Tool  | Teflon Tape            |

#### THERMOSTAT PROBE INSTALLATION

**Placement:** Locate a port on the vehicle, **generally** found on the vehicles radiator, manifold or water outlet.

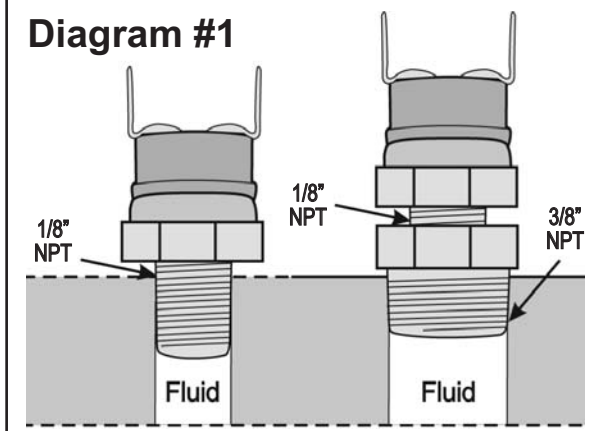
**1/8" NPT port installation** - Using Teflon Tape or suitable sealant install the Thermostat Switch into the port on the vehicle.

**3/8" NPT port installation** - Using Teflon Tape or suitable sealant install the 3/8" x 1/8" NPT Reducer Bushing into the 3/8" NPT port on the vehicle. Using Teflon Tape or suitable sealant install the Thermostat Switch into the 3/8" x 1/8" NPT Reducer Bushing. (See Diagram #1)

#### IMPORTANT

This single stage electric fan thermostat will control fans with a **MAXIMUM DRAW OF 15 CONTINUOUS AMPS.**

Diagram #1



#### WIRING

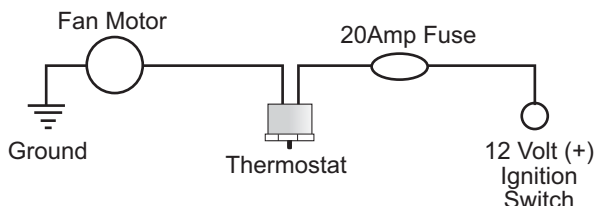
Before starting, disconnect the Negative (-) cable on the vehicles battery.

##### See Diagrams # 2

**Thermostat Switch** - Using the Blue Female Connector, Blue Wire Tap Connector and Wire provided, attach the remaining Thermostat Switch Lead to a Positive (+) switched ignition source.

**Warning:** Attaching this wire directly to a 12V non-switched source will allow the fan to run after the vehicle has been turned off which could effect the vehicles battery performance.

Diagram #2



#### TROUBLE SHOOTING Q&A

Q: Why doesn't the fan(s) turn on?

- A: 1. Check all connections to make sure all contacts are crimped correctly.  
 2. Check all Ground (-) connections to make sure all paint is sanded off and you are getting a metal to metal contact.

Q: Why does the fan(s) run after the engine is turned off?

A: Check the wire going to the Thermostat Switch, this wire should be connected to a 12V Positive (+) switched ignition source.

**Warning:** Installation of accessories should only be undertaken by those with mechanical knowledge and are familiar with working on vehicles. Always use eye protection (goggles, safety glasses or shield). Park the vehicle in a well lit area, on level ground and apply the parking brake. Only work on a cold vehicle that has been sitting overnight, failure to do so will result in severe burns and injury. Before starting the vehicle, make sure no tools or any other items are left under hood that could interfere with or be drawn into moving parts of the engine. Failure to follow instructions can lead to severe damage and personal injury.