



# INSTALLATION INSTRUCTIONS SINGLE STAGE ELECTRIC FAN THERMOSTAT PART # 18735

Please read these instructions completely before beginning installation

### KIT CONTENTS

QTY.	DESCRIPTION	QTY.	DESCRIPTION
1	Thermostat Switch	2	Blue Butt Connectors
1	3/8" NPT Thread-in Probe	1	Blue Wire Tap Connectors
1	Push-in Probe	4	4" Wire Ties
1	1 x 1 Foam Pad	7'	14GA. Red Wire
1	Retaining Clip	2	Blue Female Connectors
1	Blue Ring Terminal		

### TOOLS NEEDED

- 12V Test Light
- Wire Stripper
- Crimping Tool
- 3/4" Wrench
- Thread Selant Tape

### THERMOSTAT PROBE INSTALLATION

This kit includes two thermostat probe options. Choose the option that best fits your application.

**Option 1 - Push-in Radiator Probe** (See Diagram #1)

**Option 2 - Thread-in Radiator Probe** (See Diagram #3)

#### Option 1

**Placement:** For best results we recommend installing the probe as close as possible to the water inlet of the radiator. (See Diagram #2)

#### Installation:

1. Take the brass probe and thread it clockwise onto the thermostat.
2. Carefully insert the probe/thermostat assembly into the fins of the radiator until thermostat is flush with radiator.
3. Install the 1 x 1 foam pad onto the Push-in Probe.
4. Install Retaining Clip onto the Push-in Probe until tight. (See Diagram #1)

### IMPORTANT

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

Diagram #1

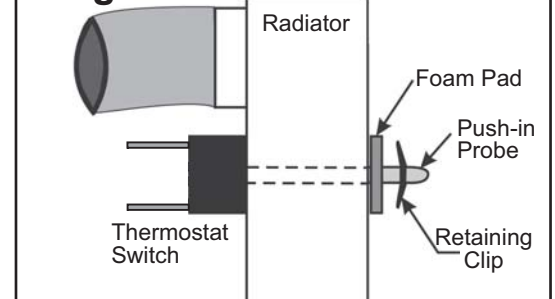
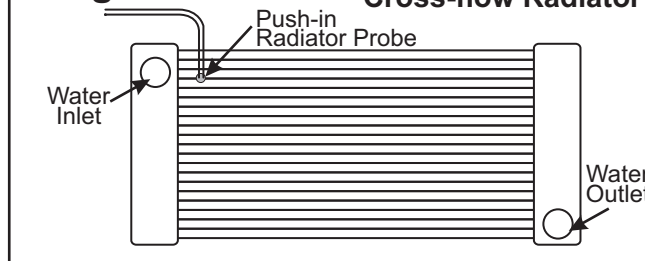
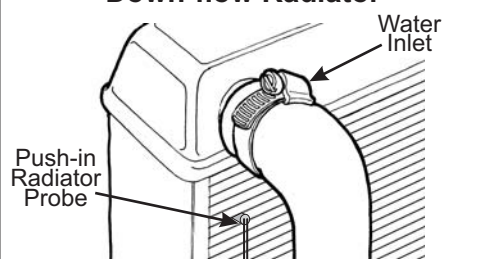


Diagram #2



Down-flow Radiator



#### Option 2

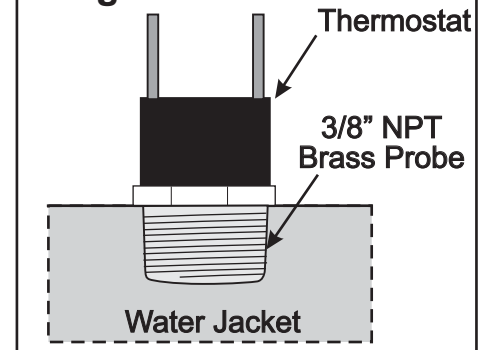
**Placement:** Locate a 3/8" NPT port either on the radiator, waterneck, intake manifold or cylinder heads.

#### Installation:

1. Using thread sealant tape or suitable sealant install the probe into the 3/8" NPT port on the vehicle.
2. Using a 3/4" wrench tighten the probe.
3. Carefully thread the Thermostat Switch clockwise into the Push-in Probe now installed on the vehicle. Sealant such as Loctite can be used for permanent installation. (See Diagram #3)

**Note:** DO NOT TIGHTEN THERMOSTAT WITH A WRENCH, HAND TIGHTEN ONLY.

Diagram #3



(Continues on reverse side)

## **WIRING**

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

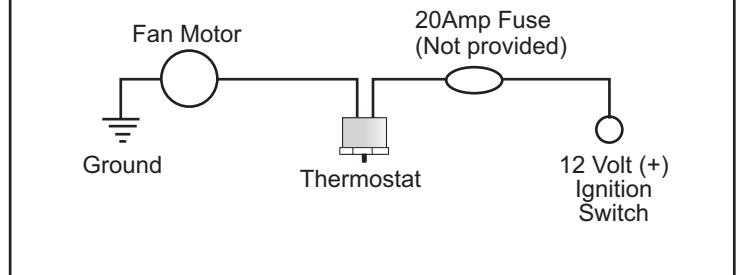
Using the electrical connectors, wire and wire ties provided, follow the instructions below. See Diagram #4

1. Using a Blue Ring Terminal provided, attach the Negative (-) wire on the electric fan to a good chassis ground (-).
2. Using a Blue Butt Connectors, a Blue Female Connector, and wire provided, attach the Positive (+) wire on the electric fan to EITHER terminal on the Thermostat Switch.
3. Using the 20 Amp Fuse Holder (not provided), a Blue Female Connector and wire provided, attach the remaining terminal on the Thermostat Switch to either wire on the 20 Amp Fuse Holder.
4. Using a Blue Butt Connector, wire and the Blue Wire Tap Connector provided, attach the remaining wire on the 20 Amp Fuse Holder (not provided) to a good Positive (+) switched ignition source.

**Note:** If this wire is connected to a constant power source (battery) the electric fan will run after the vehicle has been shut off and could run down the battery.

Reattach the Negative (-) cable on the vehicles battery.

**Diagram #4**



## **TROUBLE SHOOTING Q&A**

Q: Why doesn't the fan turn on automatically?

- A:
1. Check all connectors to make sure contacts are crimped correctly.
  2. Check the Ground connection to make sure all paint is sanded off and you are getting a metal to metal contact.
  3. Check the 20 Amp Fuse Holder to make sure the fuse is good and is securely in place.

Q: Why does the electric fan run after the engine is turned off?

- A: Check the ignition wire to make sure this is connected to a switched ignition source and not a constant power 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.