



# INSTALLATION INSTRUCTIONS FLUID CONTROL THERMOSTAT PART # 13011

Please read these instructions completely before starting the installation.

## KIT CONTENTS

### QTY. DESCRIPTION

- 1 Fluid Control Thermostat - 3/8" NPT Ports
- 4 3/8" NPT x 3/8" Hose Barb Fitting

## TOOLS NEEDED

- Standard Screw Driver
- Open End Wrench's
- Teflon Tape

## RECOMMENDED FOR

- Transmissions
- Engines

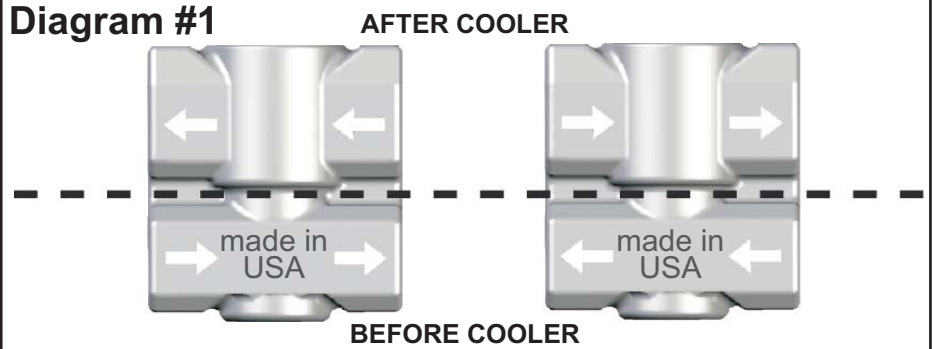
## IMPORTANT

The Fluid Control Thermostat can be mounted in any position. Reference Diagram # 1 & 2 to insure the direction of oil flow is correct.

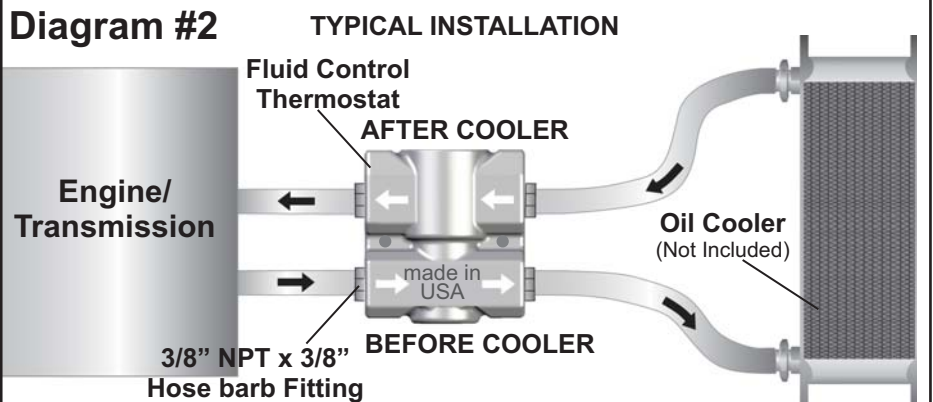
### How It Works:

When the oil is cool the valve is in the open position, allowing oil to be applied equally to both the inlet and outlet of the cooler, preventing oil flow through the cooler. As the oil temperature approaches 180°F the valve begins to close, forcing all of the oil to flow through the cooler and return through the valve to the source. This fail-safe design insures full oil flow to the source regardless of whether the valve is open or closed. The cooler remains full of oil at all times, eliminating pressure variations, aeration and foaming of the oil.

### Diagram #1



### Diagram #2



## FLUID CONTROL THERMOSTAT INSTALLATION

1. Install the 3/8" NPT x 3/8" Hose Barb Fittings into the four ports using Teflon tape or sealer on the threads.
2. Choose where you want to interrupt both oil lines to install the Fluid Control Thermostat. Thermostat needs to be securely fastened to the vehicle frame, fender well or other stationary location (Mounting Hardware Not Included).
3. Splice into the lines connecting the Engine / Transmission to the Oil Cooler. Following **Diagram #1** connect the lines from the Engine / Transmission and the Oil Cooler in the orientation shown above. Be sure the Hot lines are connected to the hot side of the Fluid Control Thermostat and that the oil flows in the direction of the arrows.
4. Securely fasten all hoses before starting the vehicle.
5. Start the engine and check for leaks.

## ROUTING HOSES

**Warning:** When routing hoses, be sure to keep all hoses away from sharp edges, moving parts and hot engine components. Hoses should be routed carefully and should not be bent in less than a 5" radius.

**Important:** A kinked hose will restrict flow and could cause failure.

**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.