



# INSTALLATION INSTRUCTIONS IN-LINE FAN THERMOSTAT SWITCH PART # 13021 & 15721

Please read these instructions completely before beginning installation

## KIT CONTENTS

QTY.	DESCRIPTION
1	Thermostat Switch
1	Adapter Fitting
1	AN Male x Hose Barb Fitting
1	AN Female x Hose Barb Fitting

## IMPORTANT

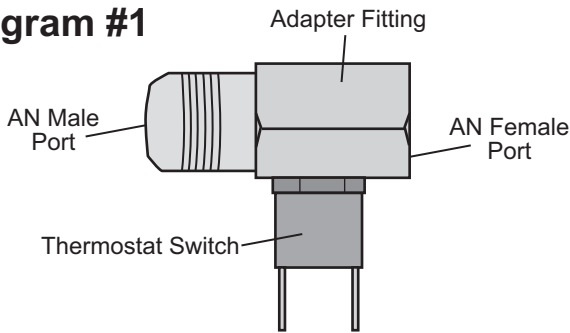
The in-line thermostat switch is designed to thermostatically control the electric fan on a remote mounted transmission or engine oil cooler. If using the switch on a non-Derale electric fan, check the amperage draw of the fan. If the fan draws over 10 amps a relay should be used.

## ON-INLET INSTALLATION

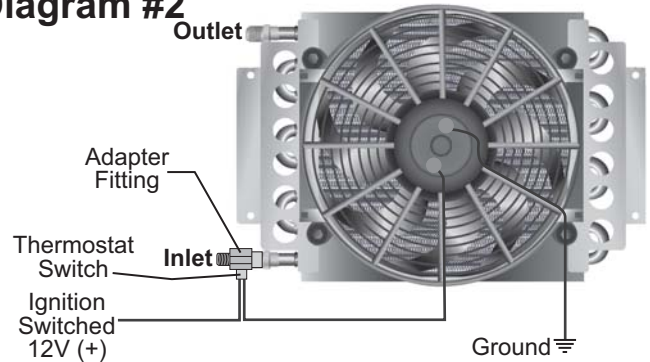
The best way to mount the switch is directly on the inlet of the cooler core. The switch has AN threads that fits on most Derale oil cooler cores. If the cooler you are using does not have AN Inlets, see the in-line installation below. (See Diagram #3)

1. Install aluminum in-line thermostat fitting on inlet port of cooler core. Warning: Always use two wrenches, one to tighten the adapter and one to hold on the cooler inlet. Failure to do this could damage the cooler core. No thread sealant is required on fittings.
2. Install thermostat switch into the adapter fitting, we recommend using a small dab of liquid thread sealer. DO NOT USE thread sealant tape or dielectric grease as they block heat transfer. TIGHTEN THE SENSOR BY HAND ONLY. Overtightening with any tools may break the sensor and WILL VOID THE WARRANTY.

### Diagram #1



### Diagram #2

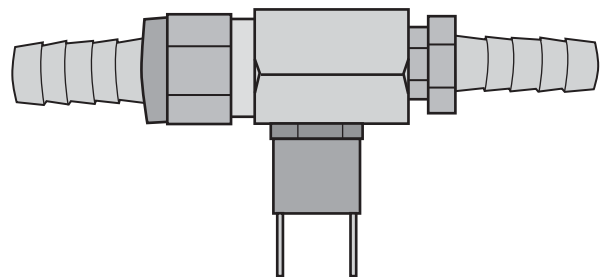


## IN-LINE INSTALLATION

If the cooler core you are using does not have AN inlets use the hose barb adapters included in the kit. (See Diagram #3)

1. Install hose barb adapters onto in-line adapter. No thread sealant is required on AN fittings.
2. Install thermostat switch into the adapter fitting, we recommend using a small dab of liquid thread sealer. DO NOT USE thread sealant tape or dielectric grease as they block heat transfer. TIGHTEN THE SENSOR BY HAND ONLY. Overtightening with any tools may break the sensor and WILL VOID THE WARRANTY.
3. Install rubber hoses onto hose barb adapters and use good quality clamps to hold hose.

### Diagram #3



## WIRING

1. The Thermostat Switch has two male terminals, attach one (it doesn't matter which) to a switched ignition 12 volt source. The other attaches to the positive lead on fan motor. (See Diagram #1 & 2)
2. Connect other fan motor lead to a good chassis ground.

**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.