

# INSTALLATION INSTRUCTIONS **ELECTRA-COOL TRANSMISSION COOLER KIT PART # 15900**

Please read these instructions completely before starting the installation.

### **KIT CONTENTS**

#### **QTY. DESCRIPTION**

4

4

1

1

4 Hose Clamp

4 6" Zip Ties

1/4" Washer

1/4"-20 Lock Nut

1/4"-20 x 1" Hex Bolt

#10 Blue Ring Terminal

Blue Wire Tap Connector

2 Blue Female Connector

- **Oil Cooler Assembly** 1
- -8AN Male x 1/2" Barb Fitting 1
- 3 -8AN Female x 1/2" Barb Fitting 8
- 10ft 1/2" OEM Spec Hose

QTY. DESCRIPTION

- 2 1/2" Compression Fitting
- 1/2" NPT Female x 2
  - 1/2" Barb Fitting
- - Thermostat Switch
- 1 In-line Thermostat Fitting 1

# **COOLER LOCATION**

The purpose of a remote mount cooler is to be able to mount the cooler away from the front of the vehicle therefore not blocking airflow to the radiator/condenser.

This cooler can be mounted anywhere space permits. Always keep in mind that the cooler still needs access to airflow to perform at its peak.

### **COOLER INSTALLATION**

- 1. Hold the Oil Cooler Assembly in the desired location.
- 2. Using a marker, mark the four hole locations.
- 3. Using a drill and 9/32" drill bit, drill the four mounting holes.
- 4. Identify the 1/4"-20 x 1" Bolts, 1/4" Washers & 1/4" Lock Nuts supplied and attach the Oil Cooler Assembly.

# **IN-LINE THERMOSTAT INSTALLATION**

### Mounting Location

The recommended location for the In-line Thermostat Fitting is on the INLET side of the oil cooler, so the oil line that provides the cooler fluid from the transmission. Warning: Always use two wrenches when tightening the In-line Thermostat Fitting to the oil cooler; failure to use a back up wrench could cause damage to the cooler core.

### There are two options for installing the In-Line Thermostat.

#### **1.** Cooler inlet installation (See Diagram #2)

The In-line Thermostat Fitting is provided with a -8AN male and female threads.

a) Attach the In-line Thermostat Fitting onto the INLET fitting on the oil cooler. b) Using Loctite or suitable sealant, carefully HAND TIGHTEN ONLY the Thermostat Switch clockwise onto the In-line Thermostat Fitting.

Warning: Do not use a wrench or damage to the Thermostat Switch could occur.

### 2. Hose installation (See Diagram #3)

The kit provides two brass fittings that are only used with this option. They are designed to adapt the AN fittings to hose barbs.

- a) Using the -8AN Male x 1/2" Barb Fitting provided, attach the fitting to the female side of the In-line Thermostat Fitting.
- b) Using the -8AN Female x 1/2" Hose Barb Fitting provided, attach the fitting to the inlet on the cooler.
- c) Using the OEM Spec Hose and Hose Clamps provided, cut the hose to the desired length and attach one end of the hose to the oil cooler inlet and the other to the In-line Thermostat.
- d) Using Loctite or suitable sealant, carefully HAND TIGHTEN ONLY the Thermostat Switch clockwise onto the In-line Thermostat Fitting.

Warning: Do not use a wrench or damage to the Thermostat Switch could occur. (Continues on Page 2)

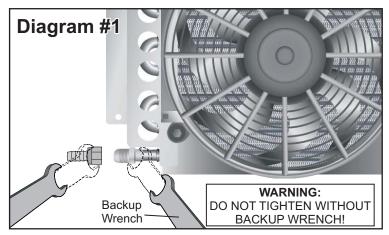
## TOOLS NEEDED

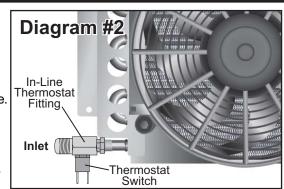
Standard Screw Driver or 5/16" Nut Driver 15/16" Open End Wrench 13/16" Open End Wrench 3/4" Open End Wrench 7/8" Open End Wrench

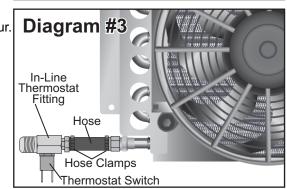
7/16" Socket & Ratchet Teflon Tape Dyke Pliers Razor Knife Marker Tubing Cutter

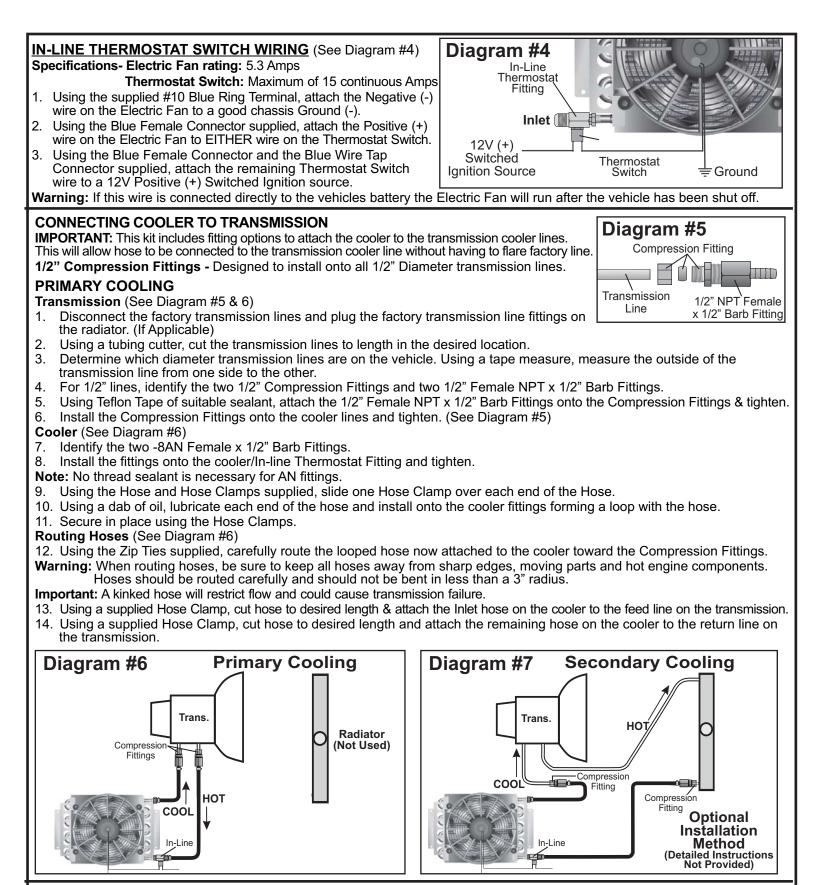
#### IMPORTANT

Always use backup wrenches when tightening fittings. The AN fittings supplied in this kit do not require any thread sealant. (See Diagram #1)









#### SYSTEM CHECK

- 1. Start the vehicle and quickly check all connections for leaks.
- 2. With the vehicle in neutral, check the transmission fluid level. Add fluid as needed.
- 3. Drive vehicle making sure transmission is warm, then recheck fluid level.

**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.

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