



# INSTALLATION INSTRUCTIONS

## HEAT SINK POWER STEERING COOLER KIT

### PART # 13349 & 13350

Please read these instructions completely before starting the installation.

#### KIT CONTENTS

QTY.	DESCRIPTION	QTY.	DESCRIPTION
1	Heat Sink Cooler	4	1/4-20 x 3/4" Bolts
4ft.	11/32" OEM Spec Hose	4	1/4" Washers
4	Hose Clamps	4	1/4-20 Nuts
2	11/32" NPT Hose Barb		

#### TOOLS NEEDED

Standard Screw Driver  
or 5/16" Nut Driver  
Marker  
Drill & 9/32" Drill Bit  
Thread Sealant Tape

#### IMPORTANT

This cooler is designed to install on the Low Pressure side of the pump. Do not cut or remove the High Pressure hose.

**IMPORTANT:** The hose provided in this kit can only be used for Transmissions and Power Steering Applications. Engine Oil and Fuel applications require the purchase of the proper OEM Spec hose.

#### COOLER LOCATION

This cooler can be mounted anywhere space permits. When selecting the best location for your vehicle, always consider a location that will deliver the maximum airflow to the cooler.

**Note:** The Cooler core will flow in either direction, there is no specified inlet or outlet port.

#### COOLER INSTALLATION

##### MOUNTING

1. Holding the cooler in place use a marker to identify the four mounting hole locations.
2. Using a drill and 9/32" drill bit, drill the four mounting holes in the desired location.
3. Using the Bolts, Washers & Lock Nuts provided, install cooler.

##### HOSE BARB INSTALLATION

1. Using thread sealant tape or a suitable sealant, screw the Hose Barb Fittings into the cooler until snug.
2. Using a wrench tighten the two Hose Barb Fittings.

##### SYSTEM CHECK

1. Heat Sink Coolers require added fluid to your vehicles system. Add fluid after the installation, before starting the vehicle.
2. Always check fluid levels on a flat surface.
3. After installation and vehicle has completely warmed up, check all connections for leaks.

#### ROUTING HOSES

This cooler is designed to install on the Low Pressure side of the power steering pump. (See Diagram #3)

1. Identify the Low Pressure hose coming from the power steering pump. The Low Pressure hose is usually smaller and is secured by a hose/band clamp. The High Pressure hose is usually larger and has swedged fittings.

2. Disconnect the Low Pressure hose from the power steering pump.
3. Carefully route the looped hose now attached to the cooler toward the power steering pump.

**Note:** The Oil Cooler will flow in either direction, there is no specified inlet or outlet port.

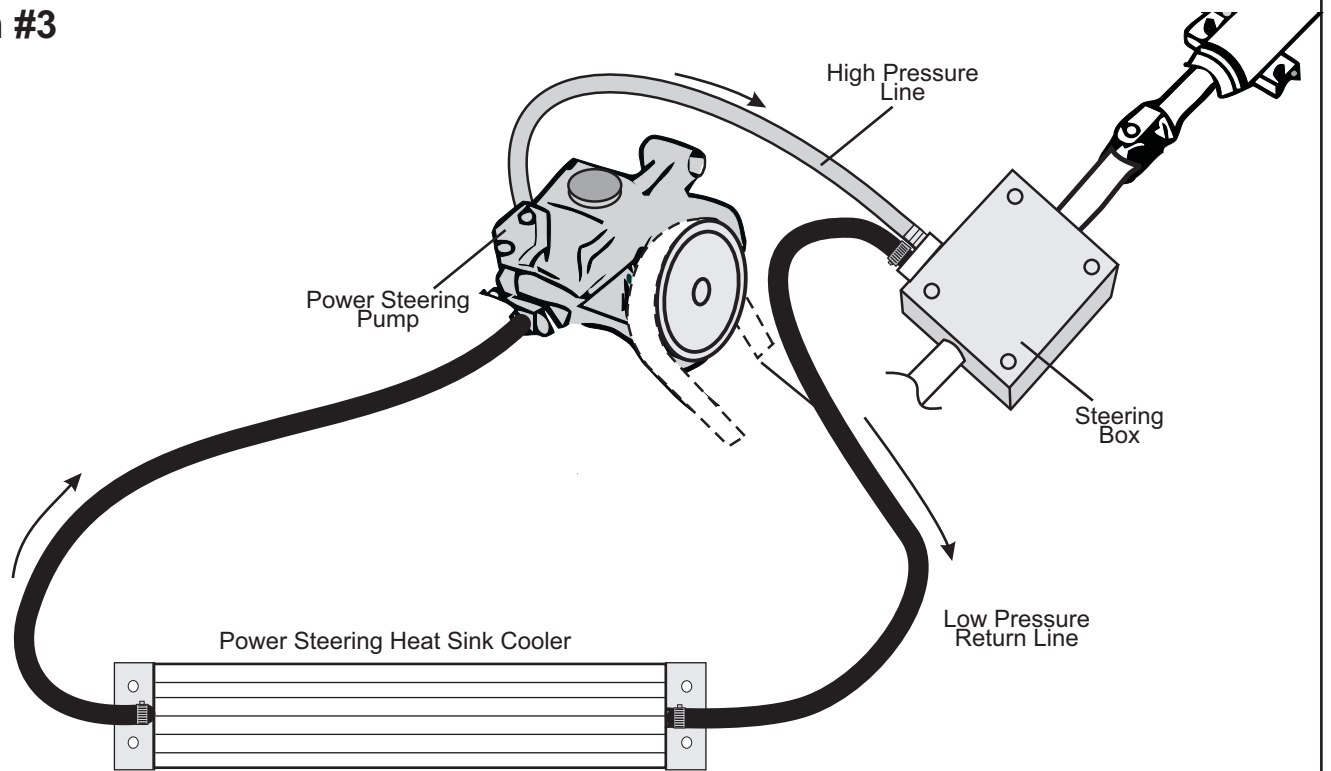
4. Using the Hose Clamp supplied, cut hose to length and attach hose coming from the Oil Cooler to the fitting on the power steering pump.
5. Route remaining hose toward the steering box.
6. Using the Hose Clamp supplied, cut hose to length and attach remaining hose coming from the Oil Cooler to the fitting on the steering box.

**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 3" radius.

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

(Continues on Page 2)

## Diagram #3



### **SYSTEM CHECK**

1. Check fluid level and add fluid as needed.
2. Start vehicle, with the parking brake applied slowly rotate the steering wheel from left to right several times. This will bleed the system.
3. Turn off engine and check all connections for leaks.
4. Re-check fluid level and add fluid as needed.

(Page 2)

**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.