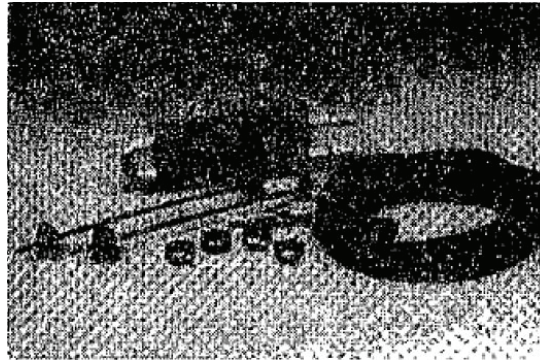


POWER STEERING COOLER INSTALLATION PROCEDURE

Image of Power Steering Cooler and accessories.



INSTALLATION REQUIREMENTS

1. Keep rubber hoses away from sharp edges, hot exhaust pipes, manifolds and/or points of wear.
2. Do not kink hose or bend it tightly. A bend of less than a 3 inch radius will put excessive stress on the hose and cause hose failure.
3. Cooler should be mounted at least 1 inch from fans and 6 inches from exhaust manifolds. When mounting to AC condenser or radiator, foam pads must be used between the cooler and condenser/radiator
4. Do not overtighten hose clamps. Tighten only until rubber protrudes level with slots in hose clamp. Overtightening can cause hose failure.
5. After 2 weeks, retighten hose clamps to insure against leakage.

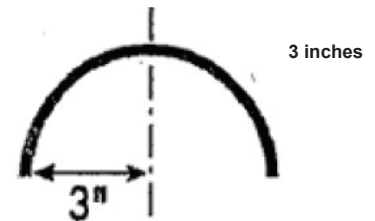


Diagram showing a bend with no less than a 3 inch radius.

REQUIRED TOOLS:

- Screwdriver or nut driver to attach hose clamps
- Knife to cut hose

COOLER MOUNTING POSITIONS:

Note: Cooler may be mounted horizontally or vertically. The oil cooler relies upon air flow for cooling.

Shown are the three suggested locations for the cooler in relation to AC condenser and radiator.

- #1 Position: 100 percent efficient (in front of AC condenser, Figure 1)
- #2 Position: 75 percent efficient (between AC condenser and radiator, Figure 1)
- #3 Position: 60 percent efficient (between radiator and fan, Figure 1)

Insure selected mounting position complies with installation requirements 1 through 5.

Double check the position of the hoses to insure that they do not contact the exhaust system or interfere with moving parts. Bend in hose should not be less than a 3 inch radius.

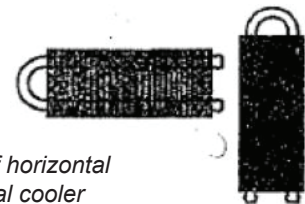


Illustration of horizontal and vertical cooler positions.

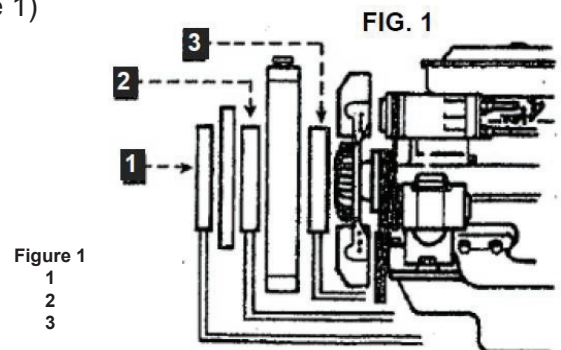


Figure 1. Illustration of Engine Layout.

RETURN OIL LINE IDENTIFICATION

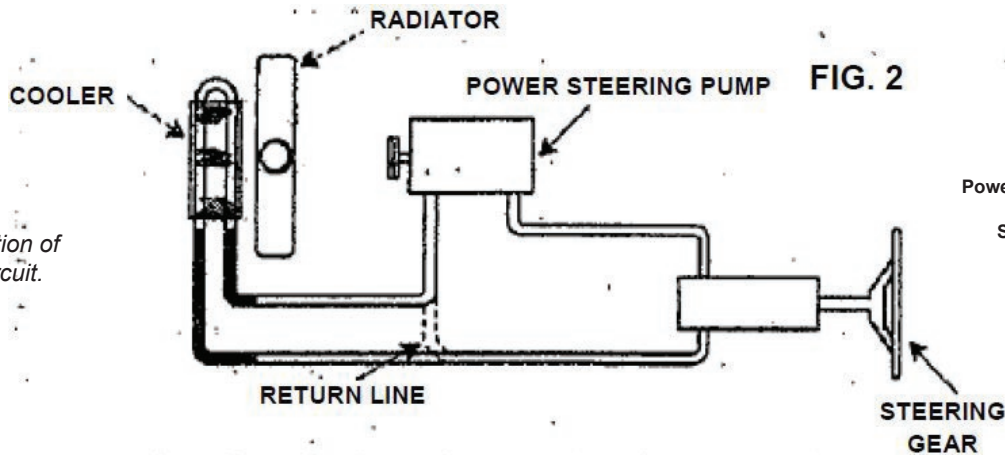


Figure 2. Illustration of Return Line Circuit.

Figure 2
Cooler
Radiator
Power Steering Pump
Return Line
Steering Gear

Note: The oil cooler must be connected into the return line circuit. Identification is made by selecting the oil line with low pressure hose and clamps.

Figure 3. Illustration of how to connect the cooler to the radiator with rods and buttons.

COOLER INSTALLATION:

1. Place clamps on the ends of hose and push hose onto oil cooler fitting. Leave hose in a loop - DO NOT CUT HOSE.
2. Position clamps 1/4 to 3/8 inch from end of hose. Tighten clamps until rubber protrudes level with clamp slots. DO NOT overtighten clamps (Maximum 25 inch pounds torque) if mounting oil cooler behind radiator position #3 (Figure 1).
3. Remove adhesive backing from foam pads and attach to oil cooler.
4. Position oil cooler in desired mounting location with pads facing radiator or air conditioning condenser (Figure 3). Insert rods through cooler and pads, radiator and/or AC condenser.
5. Install locking buttons. These are permanent and can only be removed by cutting. Tighten to compress the foam pad. Cut off excess mounting rods.
6. A) Disconnect low pressure return line from power steering unit (Figure 2).
B) Cut cooler hose for connection to return line.
C) Using the Quick-Connect, splice the return line and cooler hose together.
D) Connect remaining cooler hose to power steering unit.
7. Tighten hose clamps.

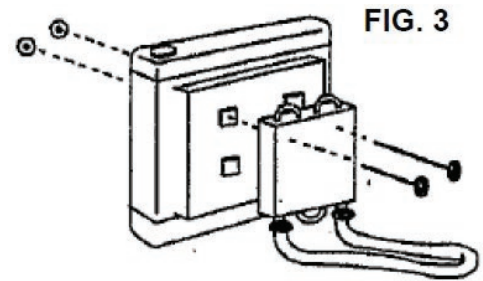


Figure 3

Check Installation as Follows:

1. Operate engine at fast idle for 2 minutes. Check hose connections for leakage. If leakage is found, stop engine and tighten clamps.
2. Feel both lines to cooler to be sure they are warm. If both are not warm, oil is not flowing through the cooler. Check for kinked lines or other obstructions to follow.
3. Check power steering unit oil level. Add oil if required. CAUTION: Do not overfill power steering unit.
4. Inspect hoses periodically for hardening and cracking. Use 11/32 inch I.D. transmission oil cooler hose. DO NOT use fuel line. If replacement or additional hose is required, use transmission cooler replacement hose or equivalent. Hose must withstand a minimum 150 P.S.I working pressure and 250 degree Fahrenheit temperature.