

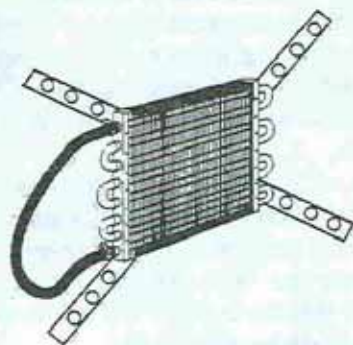
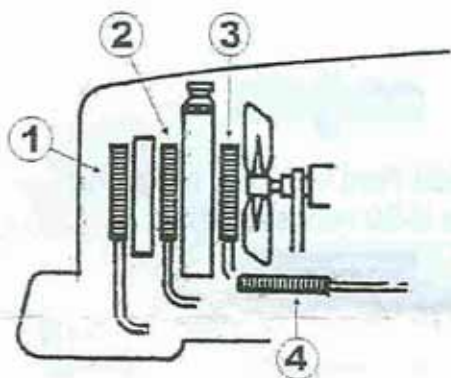


TRANSMISSION COOLER INSTALLATION INSTRUCTIONS

*Thank you for buying a Derale transmission cooler.
Please read these instructions completely before starting the installation.*

COOLER LOCATION

Derale transmission coolers can be mounted in multiple locations on your vehicle. Note possible mounting positions in drawing below, #1 is the ideal location, #2 is second best and #4 being the last choice. The Cooler core will flow in either direction, there is no specified inlet or outlet port.



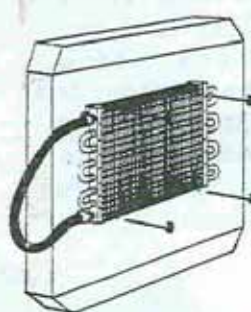
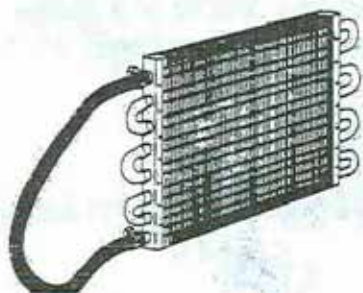
Metal Mounting

Attach one end of each mounting strap to one corner of the oil cooler. Line up a mounting hole in the metal strap with a hole on the oil cooler's mounting bracket and secure with a self-tapping screw provided. Attach one of the foam pads provided to each corner on the side of the cooler core that will be flush against the radiator. Then mount the other end to the desired location on the radiator, core support or AC condenser.

Warning: Use extreme caution when mounting to the AC condenser. You can puncture it with a screw and cause all the Freon to leak out.

COOLER MOUNTING

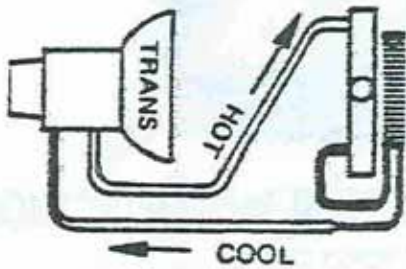
Before mounting the cooler place hose clamps over the each end of the oil hose. Lubricate each hose end and cooler inlet with transmission fluid. Place both ends of the oil line onto the transmission cooler inlets and secure in place using the hose clamps.



Nylon Rod Mounting

With this mounting setup the cooler core must be flush against the radiator or condenser. Use the included foam pads to insulate the cooler from the radiator or condenser. Insert a nylon-mounting rod into each corner of the cooler. Push each rod through the cooler and radiator or AC condenser so that the flat surface of the rod is against the cooler. Place the self-locking button onto the mounting rod. Hold the end of the mounting rod and push the self locking button up against the back of the radiator/air condenser until the foam pads are slightly compressed. Cut off the excess rod.

Note: Derale includes two mounting options in the hardware kit, metal strap or nylon rod mounting. Choose the best mounting for your vehicle; either will work on most applications.



FIND TRANSMISSION LINES

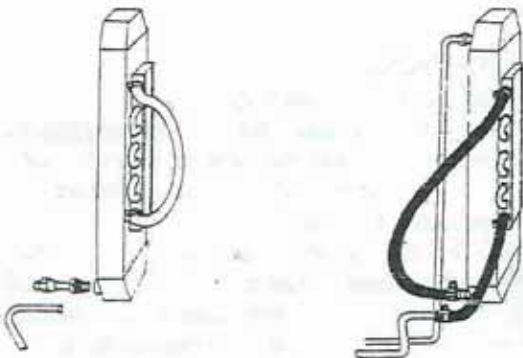
1. Find transmission oil lines. The two lines run from the transmission to the radiator, usually to the bottom radiator tank or on a cross-flow radiator the passenger side tank.
2. We recommend using the new cooler in series with the factory radiator cooler. To do this you need to determine the return line to the transmission. Warm up vehicle and feel trans lines, the colder of the two lines will be the return.



Insta-dapt Adapter

HOSE CONNECTION

1. Remove the return line from radiator. Thread the included Insta-dapt adapter in radiator. The adapter will work on radiators with male and female threads.
2. Measure hose length from cooler core to Insta-dapt adapter and transmission line. **Warning: Ensure that all hose bends have a radius of more than 5 inches or a small coffee can. To tight radius bends can damage the hose and cause leaks.**
3. Connect first hose from cooler to Insta-dapt adapter. Connect second hose to return transmission line.



Caution: Be sure to keep all lines away from sharp edges, moving parts and exhaust manifolds. Check the transmission fluid after starting the engine. Add fluid as needed.

RADIATOR ADAPTER FITTINGS

Some 1996 and later vehicles with 3/8" lines cannot use the Insta-dapt adapter. You can cut and flare the transmission line or purchase the correct radiator adapter fittings for your vehicle from Deale. All adapter kits include two fittings to fit radiator port and transmission cooling line. With adapters no cutting and flaring of lines is required. See the back of the box or the Derale website for applications.



P.N. 13024 Ford vehicles 1983 and later with 1/2-20 recessed thread.



P.N. 13025 Ford Trucks and Vans 1987 and later with 5/8-18 recessed thread.



P.N. 13018 GM cars and Trucks 1991 and later FWD cars, 1996 and later trucks and SUV's.



P.N. 13028 Dodge Trucks and Jeeps 1995 and later with rubber lines.



P.N. 13030 Dodge Trucks and Jeeps 1999 and later



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