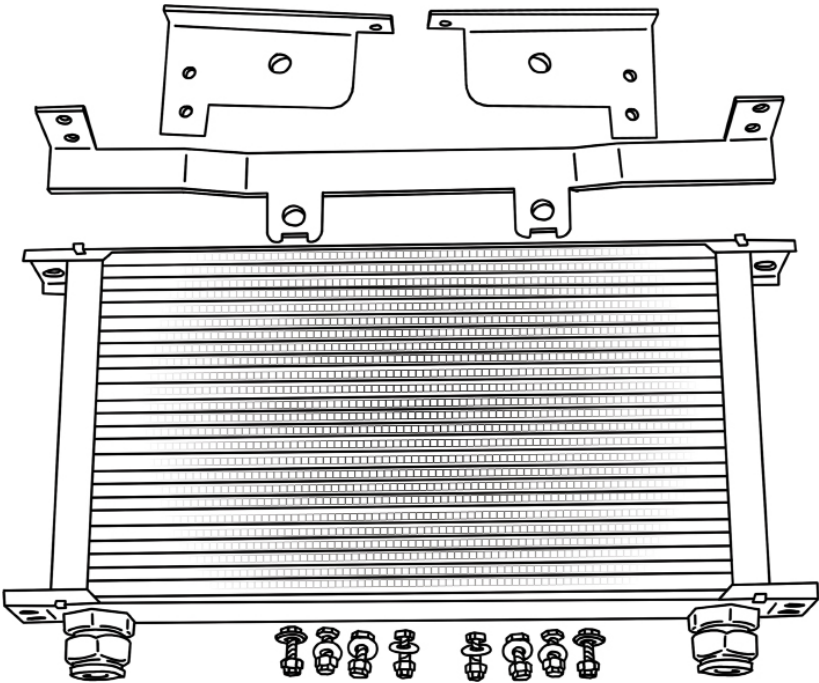


Pacific Performance Engineering, Inc.  
www.ppediesel.com



## **Transmission Oil Cooler - GM 2001-2005 Installation Guide**

## **DISCLAIMER OF LIABILITY**

This is a performance product that increases horsepower above and beyond factory specifications. As a result, more horsepower creates more stress on the drivetrain components, which could result in drivetrain failure. This product is intended for off-road use only. Use at your own risk.

This agreement sets forth the terms and conditions for the use of this product. The installation of this product indicates that the Buyer has read and understands this agreement and accepts the terms and conditions.

Pacific Performance Engineering Inc., its distributors, employees, and dealers (the "Seller") shall not be responsible for the product's proper use and service. The buyer hereby waives all liability claims.

The Buyer hereby acknowledges no reliance on the Sellers skill or judgment to select or furnish goods suitable for any particular purpose and that there are no liabilities which extend beyond the description on the face hereof, and the Buyer hereby waives all remedies or liabilities expressed or implied, arising by law or otherwise (including without any obligation of the Seller with respect to fitness, merchantability and consequential damages), or whether or not occasioned by the Seller's negligence. The Seller disclaims any warranty and expressly disclaims any liability for personal injury or damages. The Buyer acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and the Buyer agrees to indemnify the Seller and to hold the Seller harmless from any claim related to the item of equipment purchased. Under no circumstances will the Seller be liable for any damages or expenses by reason of use or sale of any such equipment. The Seller assumes no liability regarding the improper installation or misapplication of its products. It is the installer's responsibility to check for proper installation and if in doubt contact the manufacturer.

The Buyer is solely responsible for all warranty issues from the manufacturer.

## **LIMITATION OF WARRANTY**

The Seller gives Limited Warranty as to description, quality, merchantability, and fitness for a particular purpose, productiveness, or any other matter of Seller's product sold herewith. The Seller shall not be responsible for the products proper use and service and the Buyer hereby waives all rights other than those expressly written herein. This warranty shall not be extended, altered or varied except by a written instrument signed by Seller and Buyer. The Warranty is limited to two (2) years from the date of sale and limited solely to the parts contained within the products kit. All products that are in question of Warranty must be returned prepaid to the Seller and must be accompanied by a dated proof of purchase receipt. All Warranty claims are subject to approval by Seller. Under no circumstances will the Seller be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or reinstallation of this product or any other contingent expenses.

Under no circumstances will the Seller be liable for any damage or expenses incurred by reason of the use or sale of any such equipment. In the event that the buyer does not agree with this agreement: the buyer may promptly return this product, in a new and unused condition in its original packaging, with a dated proof of purchase to the place of purchase within ten (10) days from date of purchase for a full refund. The installation of this product indicates that the buyer has read and understands this agreement and accepts its terms and conditions.

**TOOLS NEEDED:**

- 1/4 or 3/8 ratchet
- 6 to 8” extension
- 10mm socket
- 7/16 socket and 7/16 combination wrench
- Pocket flathead screwdriver (in some cases)
- Scribe or sharp awl

**CONTENTS OF KIT:**

- Cooler
- 1 upper bracket
- 2 lower brackets
- 8 1/4 “ bolts flat washers and locknuts

**Additional parts needed that are not contained in the kit:**

Re-use the slip nuts off the top bracket off the old cooler to be installed on the new cooler.

**HINTS:**

- 1) Do not attempt to tighten fittings on the new cooler. We have torqued them down for you.
- 2) Lubricate the inside of fittings and cooler line with grease for an easier fit.
- 3) Install cooler lines in the new cooler before you start working on the 2 top bolts, (lock rings are installed last).
- 4) Make sure you adjust the cooler by shoving it all the way up before you tighten the 2 top bolts so that it is level.
- 5) If your lock ring on the cooler fitting does not seat like factory, your cooler line is not all the way in.

**INSTRUCTIONS:**

- 1) Open Hood. Remove the top plastic cover on top of the radiator by popping out the small buttons with small screw driver. The centers pop up and the buttons come out. Put the small buttons in a safe place so that you do not lose them. Top cover is off now.
  
- 2) Remove grill. Some grills will have a top bolt (10mm socket), some grills will have 4 Phillips head retaining screws. Late model Chevys (2003 and later) will snap out with the long screwdriver. Late model GMCs can get tricky around the headlight bezel. They will snap out with care. Set the grill aside.

**COOLER REMOVAL:**

- 3) With a small screwdriver pry the plastic cooler line cover off the cooler fitting and slide it down out of the way.
- 4) The cooler fitting lock rings should be removed next with a pocket screwdriver or scribe (they will fly when released).
- 5) Temp sensor (if equipped) is removed by prying plastic tabs to release), set aside in a hanging position.
- 6) Remove the plastic retainers that hold the cooler at the lower crossmember. Remove both of the 2 lower crossmember bolts (10mm socket) and set them all aside.
- 7) Cooler is now supported by upper bolts and cooler lines. Remove the 2 top bolts on the cooler (10mm socket) and let the cooler rest on the cooler lines.
- 8) Remove the 2 slide nuts now (off old cooler bracket) and install it on new bracket. With a hammer handle or screw driver butt, rap the cooler lines free from the cooler. There will be a mess, be ready! Cooler is now removed.

**COOLER INSTALL:**

- 9) New cooler should have brackets installed snug (but movable). Start with the cooler lines going into the cooler first, then position the cooler so that the 2 top bolts are started. Then start the lower bolts. Cooler should be shoved as high as it will go and the 2 top bolts tightened. Tighten the 2 lower bolts.
- 10) Now you can tighten all 8 bolts supplied in the kit from the bracket to the cooler. Bolts go through the bracket first and the flat washer next on the cooler then the locknut.
- 11) Install lockring on cooler fitting with a twisting motion, it must seat properly so that the plastic retainer fits over it. Slide the plastic retainer back over the fitting.
- 12) Start engine and let it run for a time to check for leaks. Clean your mess while it's running with soapy water.
- 13) When you are satisfied that there are no leaks, install the grill and top cover. You are done.





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