Performance Transmission Cooler
GM Allison 2001-2005

(124060000) (124060300)

Installation Guide
DISCLAIMER OF LIABILITY

Performance products can increase horsepower above and beyond factory specifications. Additional horsepower creates more stress on the drive-train components, which could result in drive-train failure.

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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 on PPE Manifolds and Up-Pipes Kits, OEM-Length Up-Pipes is three (3) years, a limited lifetime warranty on PPE cast aluminum pans and covers, and a limited lifetime warranty on PPE Transmission Coolers and one (1) year limited warranty on all other PPE products from the date of sale to original buyer 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 re-installation - 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.
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2  (A)  lower brackets
1  (B)  upper bracket
1  (C)  PPE Performance Transmission Cooler
8  (D)  1/4” bolts flat washers and locknuts

**NOTE:** Re-use the slip nuts off the top bracket from the old cooler to be installed on the new cooler.
HINTS:

1) Lubricate the inside of fittings and cooler line with grease for an easier fit.

2) Install cooler lines in the new cooler before you start working on the 2 top bolts, (lock rings are installed last).

3) Make sure you adjust the cooler by raising it all the way up before you tighten the 2 top bolts so that it is level.

4) If your lock ring on the cooler fitting does not seat like factory, your cooler line is not all the way in.

TOOLS NEEDED:

- 1/4 or 3/8 ratchet
- 6 to 8” extension
- 10mm socket
- 7/16 socket and 7/16 combination wrench
- Flathead screwdriver
- Scribe or sharp awl

PREPARATION:

1) Open Hood. Remove the fasteners holding the top cover by prying up the center of each round fastener with small screwdriver or tack puller then removing the entire fastener.

Remove the top plastic radiator cover.

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.
OEM TRANS 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 carefully removed with a pocket screwdriver or scribe (the tension can cause them to fly off 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 cross-member. Remove both of the 2 lower cross-member bolts (10mm socket) and set them 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 clip nuts (off old cooler bracket) and install them on new bracket. With a hammer handle or screwdriver butt, tap the cooler lines free from the cooler.
PPE TRANSMISSION 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 raised 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 to check for leaks.

13) When you have verified that there are no leaks, reinstall the grill and top cover.