

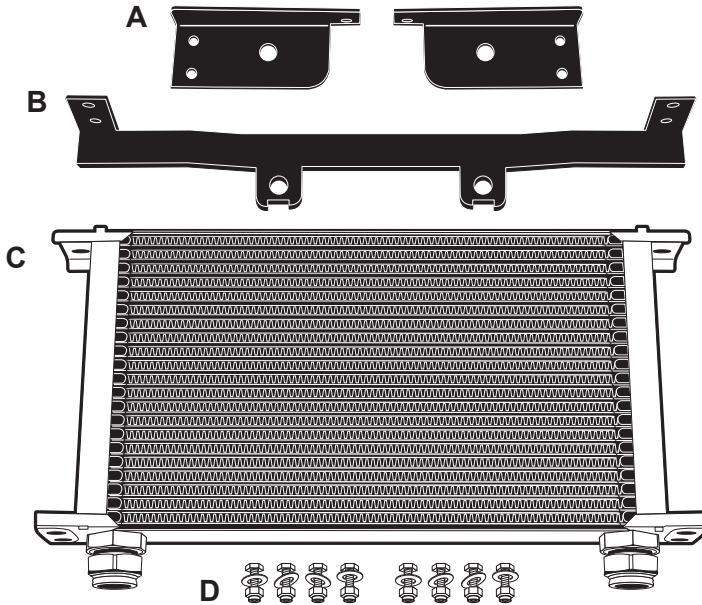
# Performance Transmission Cooler

(124060000) (124060300)  
2001-2005 GM 6.6L Duramax w/  
Allison 1000/2000 Transmission

## ***Installation Guide***



CONTENTS:



- 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.

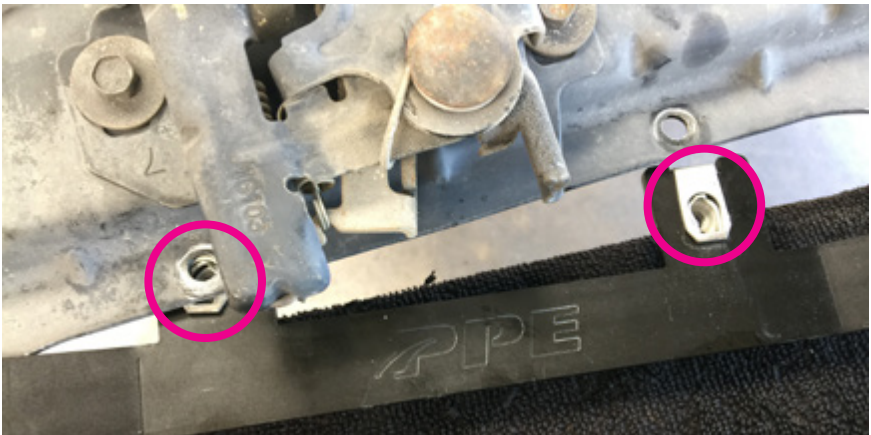
Remove the top plastic radiator cover.

- 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.

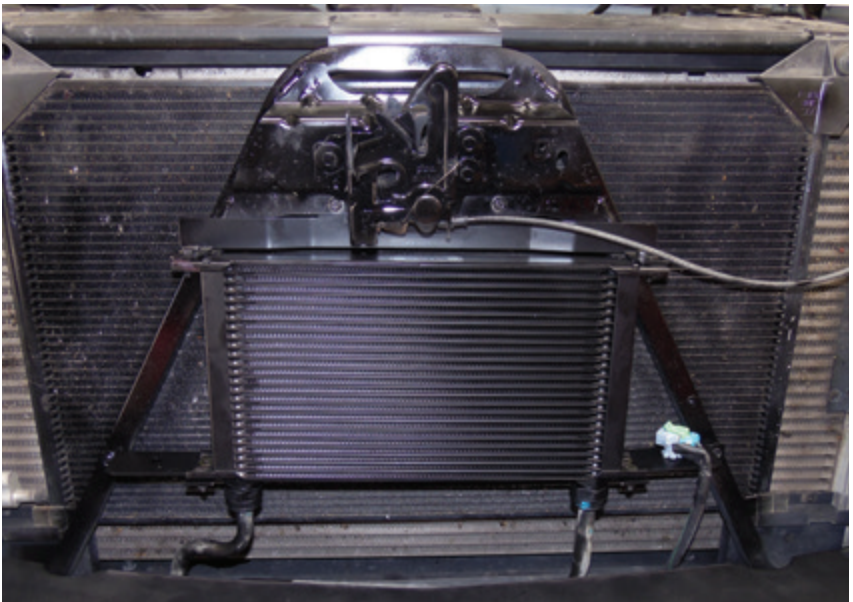
## OEM TRANS COOLER REMOVAL:

- 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.



## **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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