



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

**PPE**  
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**COOLER INSTALL:**

- 9) New cooler should have brackets installed snug (movable). Start with cooler lines into cooler first, then position 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 2 lower bolts.
- 10) Now you can tighten 8 bolts supplied in 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 twist motion, it must seat properly so that the plastic retainer fits over it. Slide plastic retainer back over fitting.
- 12) Start engine and let run for a period 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.

**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 and install on new cooler.

**HINTS:**

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

## INSTRUCTIONS:

- 1) Open Hood. Remove top plastic cover on top of the radiator by popping out small buttons with small screw driver, centers pop up and the buttons come out. Put the small buttons in a safe place so 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) 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) and set aside hanging.
- 6) Remove plastic retainers that hold cooler at lower crossmember. Remove 2 lower crossmember bolts (10mm socket) and set it aside out of the way.
- 7) Cooler is now supported by upper bolts and cooler lines. Remove 2 top bolts on cooler (10mm socket) and let cooler rest on 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.