

# Transmission Oil Cooler Z18061

2006-2010 Chevy/GMC Duramax Performance Transmission Oil Cooler Upgrade Kit

## Installation Instructions

### KIT CONTENTS:

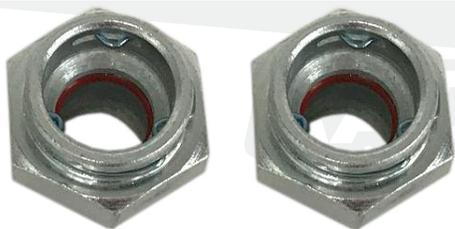
- 1) Performance oil cooler
- 2) 21 mm QD adaptors
- 1) Large bottom bracket
- 2) Small top brackets
- 4) M8 button head cap screw
- 2) 5/16-18 hex bolt
- 2) 5/16-18 lock nut

### BEFORE YOU START:

**Make sure the vehicle is off, the engine is cool, and it cannot be started while installing the transmission oil cooler.**

### STEP ONE:

On the new cooler install the QD adaptors making sure the outside o-ring fully seated and tight. Lubricate the inside o-rings of the adaptors with a small amount of clean oil. This will aid later in the installation of the oil cooler lines.



QD Adapters (Figure 1)



QD Spring Clip Removed (Figure 2)

### STEP TWO:

Remove the plastic piece under the hood that covers the radiator. The fasteners are removed by lifting the center piece first, then pulling out the entire fastener. Cautiously remove the grill. Note that on the late model the grill snaps in place and extra care should be used in unsnapping around the headlight bezels.

## STEP THREE:

Some trucks are equipped with a temperature sensor. Remove it and place it to the side. Prepare the area to catch extra fluid, below the cooler. Remove the original cooler by first moving the plastic protector collar out of the way on each line, then remove each spring clip. Do not pull the lines yet. Remove the bolts and any retainers on the cooler. Now remove the bolts and let the cooler sit on the lines, carefully wipe the lines clean with a rag and then using a light mallet carefully knock the oil cooler lines free. Wipe off any remaining dirt and cover the lines with a rag to keep them clean.

## STEP FOUR:

Lightly assemble the brackets on the cooler as shown in figure 3, but do not tighten the bracket bolts yet. Make sure everything is clean. Insert the oil lines into the cooler and double check each fitting to make sure the lines are fully inserted and the spring clips locked on both fitting. Next reinstall the top mounting bolts so they are just snug. Now tighten all 4 cooler bracket bolts, then tighten the top bolts and check the bottom again to make everything is tight and in place. Slide the plastic cap back on to the adaptors. Now run the engine and look for leaks. After 10 minutes run time, check again and if no leaks are detected reinstall the grill in reverse of removal.



Bracket position diagram (Figure 3)