

Transmission Oil Cooler Z18060

2001-2005 Chevy/GMC Duramax Performance Transmission Oil Cooler

Installation Instructions

KIT CONTENTS:

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|---|--------------------------|
| 1) 25 plate performance cooler | 2) Small bottom brackets |
| 2) Large QD adapters (22 mm fits 2001-2003) | 8) M6 bolts |
| 2) Small QD adapters (21mm fits 2004-2005) | 8) M6 flat washers |
| 1) Large top bracket | 8) M6 lock nuts |

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:

Select the correct set of QD adapters for specific model GM truck. All 2001-2005 GMC trucks with an Allison transmission have 5/8" oil cooler lines but the oil cooler line ends that fit into the QD have different size retaining ridge diameters depending on model year. 2001-2003 use the large size and the 2004-2005 use the small size. Confirm the correct size adapters are installed on the cooler by comparing to the OEM cooler.

After selecting the correct set, lubricate the inside o-rings of the adapters 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 models, 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. 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 plastic retainer on the bottom side of the cooler. Now remove the top 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. Remove the slip nuts for use on the new bracket.



New Bracket with Slip Nut (Figure 3)

STEP FOUR:

Lightly assemble the brackets on the cooler as shown in Figure 4, 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 fittings. Next reinstall the top mounting bolts so they are just snug, and then install the bottom bolts. Push the cooler into position all the way up and tighten the bottom two bolts to hold it in place. Now tighten all 8 cooler 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.



Cooler Assembled with Brackets (Figure 4)