



INSTALLATION GUIDE

2001-2005 CHEVROLET/GMC 6.6L DURAMAX (LB7/LLY)
TRANSMISSION COOLER LINE KIT | SKU: MMTCL-DMAX-01

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PARTS BREAKDOWN

PART NUMBER	DESCRIPTION	QTY
10-9000-1010-NY-PTFE	-10AN 39.76" LINE W/ 90° & STRAIGHT FITTINGS	1
10-9090-1180-NY-PTFE	-10AN 46.45" LINE W/ 90° FITTINGS	1
10-9045-1770-NY-PTFE	-10AN 69.68" LINE W/ 90° & 45° FITTINGS	1
MM1556-10-10	-10AN TO -10AN FITTINGS	6
MM1556-10-8	-10AN TO -8AN FITTINGS	2
MM1556-10-12NPT	-10AN TO 1/2" NPT FITTINGS	2
MM1556-10-22	-10AN TO M22X1.5 FITTINGS	2
MM1164-03	ZIP TIES	6
MM1152-31	WASHERS	2

IMPORTANT SAFETY INFORMATION

- › Mishimoto recommends you use safety glasses and protective gloves during the install of their products
- › Raise vehicle only on jack stands or on a vehicle lift
- › Allow vehicle to cool completely prior to attempting installation
- › Do not run the engine or drive the vehicle while overheating; serious damage can occur
- › Please dispose of any liquids properly
- › Mishimoto is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of Mishimoto products

TOOLS NEEDED

1" OPEN END WRENCH (OR PICK TOOL
WRENCH FOR -10AN FITTINGS)

INSTALLATION TIME 2 HOURS

INSTALLATION DIFFICULTY

INSTALLATION INSTRUCTIONS

01. Read all important safety information prior to installing our products.
02. For trucks with OEM radiators assemble the large flat washers onto two of the 7/8"-14 O-ring to -10AN fittings.
 - A. Remove the O-ring from the fitting.
 - B. Place the large flat washer on the side where you removed the O-ring and replace the O-ring on the fitting.
 - C. Install in radiator removing and replacing one fitting at a time.

For trucks with Mishimoto Radiators, use two of the 7/8"-14 O-ring to -10AN fittings without the flat washers.

NOTE: Install and remove one fitting at a time on the radiator, removing both fittings at the same time may result in the internal cooler coming loose on the inside of the tank.

NOTE: For trucks equipped with radiators that require M22x1.5 to -10AN fittings (identified by the presence of a large integral nut on the radiator), use the M22x1.5 to -10AN to -10AN fittings. No large flat washer is necessary.

03. Install each of the fittings in the transmission and front mounted auxiliary cooler.

NOTE: For early LB7 trucks with 3/4"-16 ports on the passenger side of the transmission, use the supplied 3/4"-16 O-ring to -10AN fittings. Some LB7-LLY transmission coolers use (2) 1/2" NPT to -10AN fittings which are included in the LB7-LLY kits. All other applications use the 7/8"- 14 O-ring to -10AN fittings.

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NOTE: If you are installing this line kit in conjunction with a Mishimoto transmission cooler kit, such as MMTC-DMAX-01SL, you will need to unscrew the quick-disconnect fittings from the 90° adapter blocks and thread in the new -10AN to -10ORB fittings in their place.

04. Install the transmission lines. Use the zip ties to retain the hoses and prevent contact with rotating or high temperature components.

RECOMMENDED LINE ROUTINGS: Lines should be routed with some droop to reduce any strain on the connections at the transmission. Route the lines along the right side of the engine oil pan, below the split-line. Use the provided dual hose ties to retain the hoses together.

Route the lines uniformly along the left side of the chassis, just inside the frame rails by approximately 6-12".

The longest line should be routed to the right hand side of the transmission cooler. The shortest line is routed from the left side of transmission cooler to the top-side radiator fitting.

The medium length hose is routed from the transmission to the bottom-side radiator fitting. The 45 degree fitting is utilized on the radiator side, aligned slightly downward and toward the center of the chassis.

Congratulations! You have finished installing the Mishimoto 2001–2005 Chevrolet/GMC 6.6L Duramax (LB7/LLY) Transmission Cooler Line Kit.

****For Care & Maintenance, Disposal Instructions, and Warranty Information continue to the following page.***

CARE & MAINTENANCE

› Mishimoto recommends inspecting all lines for rubbing as well as fittings for proper torque every year.

DISPOSAL INSTRUCTIONS

- › Do not dispose of any product as unsorted municipal waste. Use separate collection facilities. Contact your local authority for information regarding the collection systems available.
- › Never improperly dispose of any coolant, oil, or other chemicals.



WARNING
Cancer and
Reproductive Harm