



# INSTALLATION GUIDE

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

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## RESOURCES & CONTACT



**CALL 1-877-GOMISHI**

CUSTOMER SERVICE HOURS: MON-FRI 8:30AM-5:00PM EST



**MISHIMOTO**



**GOMISHIMOTO**



**MISHIMOTO**



**WEBSITE**

[WWW.MISHIMOTO.COM](http://WWW.MISHIMOTO.COM)



**ENGINEERING BLOG**

[WWW.MISHIMOTO.COM/ENGINEERING](http://WWW.MISHIMOTO.COM/ENGINEERING)



### 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
- › If you need any assistance while installing our products, reach out to our Customer Service Team at 1-877-GOMISHI

### 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.

## WARRANTY INFORMATION



- › All claims must be accompanied with a picture of the Mishimoto product showing the issue for which the claim is being submitted.
- › Mishimoto asks that the customer inspect their purchased item for any damage immediately upon arrival.
- › Any product deemed dead on arrival (DOA) must be claimed within 14 business days of delivery. Claims outside of this time frame will not be covered under the Mishimoto Lifetime Warranty.
- › This warranty does not include payment and/or reimbursement of the cost of labor in connection with the removal of any product returned pursuant to the warranty policy or in connection with the installation of any replacement items provided under the warranty policy.
- › Mishimoto has the right to refuse a claim at any time.
- › When Mishimoto accepts a claim, Mishimoto retains full discretion to choose if it will: (i) repair or replace purchaser's original Mishimoto product; (ii) replace purchaser's original Mishimoto product with the most current available model; or (iii) provide the purchaser with a gift card redeemable on [Mishimoto.com](http://Mishimoto.com) in the amount of the original purchase price of the original Mishimoto product. The provision of a replacement

of a Mishimoto product is subject to availability and Mishimoto retains the right to substitute any warranty claim item with a comparable item or credit at any time.

- › If Mishimoto determines that it will provide a replacement item in connection with a claim under this warranty policy, and such item is out of stock, Mishimoto will place the customer on backorder and ship the replacement product to the purchaser once it becomes available.
- › Mishimoto is not liable for incorrect shipments in connection with a claim if a claim form is completed incorrectly, or if a model number is not included in a claim.
- › If you have a vehicle equipped with an automatic transmission, please make sure to specify this within the text box on the claim form. Mishimoto is not responsible for incorrect replacement shipments if transmission type is not indicated.



**WARNING**  
Cancer and  
Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

This product can expose you to chemicals which are known to the state of California to cause cancer. For more information visit: [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)