

# INSTALLATION GUIDE

**2013–2014 DODGE RAM 2500/3500 6.7L CUMMINS  
TRANSMISSION COOLER | SKU: MMTC-RAM-13**

## TABLE OF CONTENTS

**Pg 1** RESOURCES & CONTACT INFORMATION

**Pg 2** PARTS BREAKDOWN

**Pg 2** IMPORTANT SAFETY INFORMATION

TOOLS NEEDED

INSTALLATION TIME

INSTALLATION DIFFICULTY

INSTALLATION INSTRUCTIONS

**Pg 5** CARE & MAINTENANCE

DISPOSAL INSTRUCTIONS

WARRANTY INFORMATION

## 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
MM1620-01	TRANSMISSION COOLER	1
MM1620-02	SPACER	2
H6X1.0-45B	BOLT	2
MM1152-17	WASHER	2
MM1406-02	ADAPTER	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

- |                  |                       |
|------------------|-----------------------|
| 10MM SOCKET      | ¼" DRIVE EXTENSION    |
| 13MM SOCKET      | PICK TOOL             |
| 20MM WRENCH      | POP-CLIP REMOVAL TOOL |
| ¼" DRIVE RATCHET |                       |

## INSTALLATION TIME **3 HOURS**

## INSTALLATION DIFFICULTY

## INSTALLATION INSTRUCTIONS

**!!!** Read all important safety information prior to installing our products.

**01.** Drain the fluid from your transmission cooler.

**02.** Remove the radiator cover. (4x pop-clips)



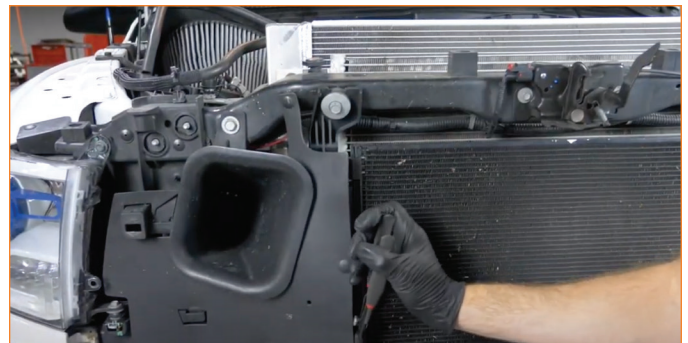
**03.** Remove the bolts/screws that secure the grille. (4x 10mm screws)



**04.** Separate the grille.

**05.** Pull back the shrouding on both sides of the AC condenser.

(6x pop-clips)



CONTINUED ON FOLLOWING PAGE

- 06.** Remove the bolts on the AC condenser brackets. (2x 10mm bolts, 2x 13mm bolts)



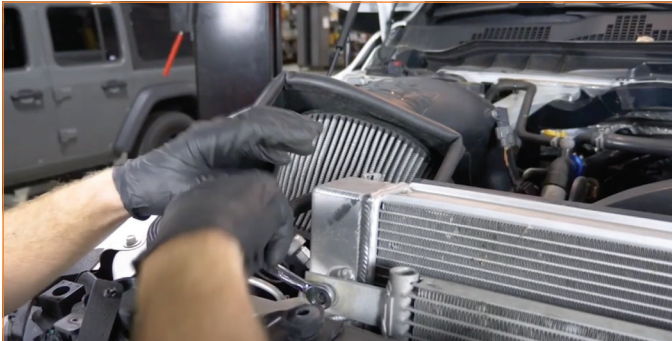
- 07.** Remove the bolt that secures the AC condenser support. (1x 13mm bolt)

- 08.** Separate the ducting from the AC condenser support. (1x pop-clip)

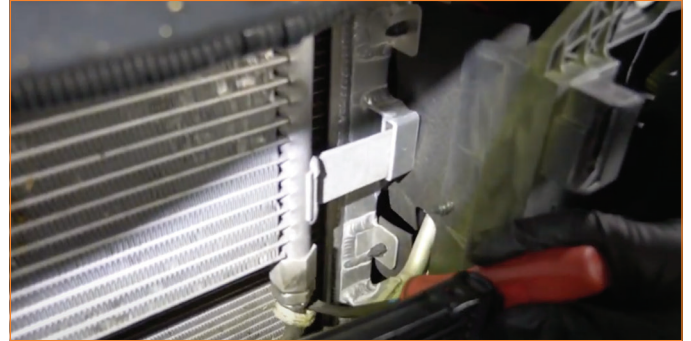
- 09.** Reach behind the AC condenser and unscrew the bolts that hold on the power steering cooler. (4x 10mm bolts)



- 10.** Remove the bolts that secure the transmission cooler. (2x 10mm bolts)



- 11.** Pull the spring clip on the passenger-side transmission cooler line. Pull the loosened line out of the transmission cooler. (1x spring clip)



- 12.** Do the same for the driver side. Pull the spring clip to free the line and then separate the line from the cooler. (1x spring clip)

- 13.** Remove the stock transmission cooler and replace it with the Mishimoto transmission cooler.



- 14.** Secure the transmission cooler. (2x 10mm bolts)

- 15.** Disengage the clip holding the two cooler lines.

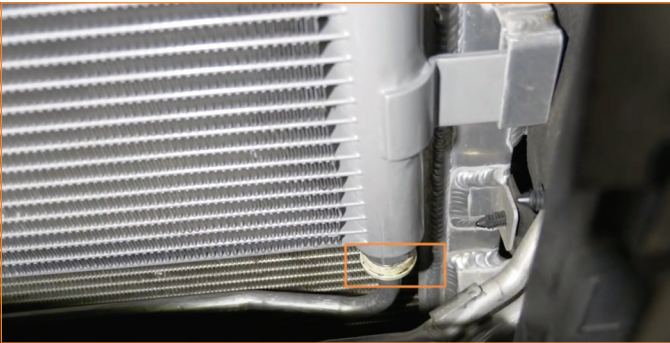


CONTINUED ON FOLLOWING PAGE

16. Attach the lower line to the transmission cooler on the passenger side. (1x spring clip)

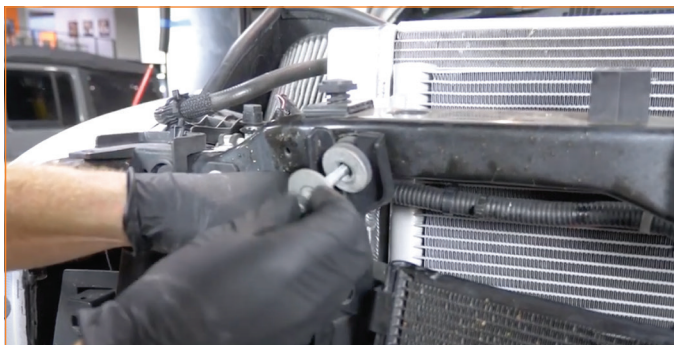


17. Attach the cooler line to the transmission cooler on the driver side. Be sure to set the dust boot over the connection. (1x spring clip)



18. Use the original hardware to mount the cooler to the vehicle.

19. Reinstall the AC condenser support. (1x 13mm bolt)



20. Reinstall the AC condenser, including the brackets on the driver side. (2x 10mm bolts, 2x 13mm bolts)



21. Reattach the shrouding on both sides of the AC condenser. (6x pop-clips)

22. Reinstall the grille. Engage the tabs before securing the top brackets. (4x 10mm screws)

23. Reattach the radiator cover. (4x pop-clips)

24. Refill transmission fluid that was lost during the installation of the new cooler.

**Congratulations! You have finished installing the Mishimoto 2013–2014 Dodge Ram 2500/3500 6.7L Cummins Transmission Cooler.**

CONTINUED ON FOLLOWING PAGE

## CARE AND 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)