



INSTALLATION GUIDE

Cummins Thermal Bypass Valve Kit Fits 2019+ Ram 6.7L

SKU: MMTC-RAM2-TBV

TABLE OF CONTENTS

- Pg 1** RESOURCES AND CONTACT INFORMATION
- Pg 2** IMPORTANT SAFETY INFORMATION
 - SUPPLIED TOOLS
 - REQUIRED TOOLS
 - INSTALLATION INSTRUCTIONS
- Pg 4** 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
-  **ENGINEERING BLOG**
WWW.MISHIMOTO.COM/ENGINEERING

IMPORTANT SAFETY INFORMATION

- › Mishimoto recommends you use safety glasses and protective gloves during the installation of our 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

SUPPLIED PARTS

- (1) Mishimoto Thermal Bypass Valve with Pre-Installed Thermostat
- (2) Dowty Seals
- (2) O-Rings
- (1) Thermostat Bypass

REQUIRED TOOLS

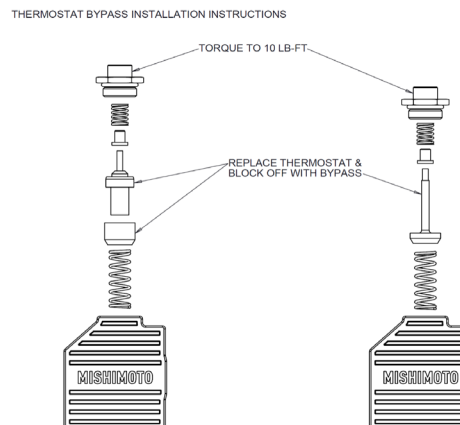
- 20mm wrench
- 10mm wrench
- 27mm socket (to replace the thermostat, if desired)
- Torque wrench (to replace the thermostat, if desired)

INSTALL TIME: 20MINS

INSTALL DIFFICULTY: 

INSTALLATION INSTRUCTIONS

1. Optional Step: to convert the thermal bypass valve to be non-thermostatic, remove the top plug with a 27mm socket. Then, replace the thermostat and block off with the supplied thermostat bypass as shown below. Reinstall the top plug and torque to 10 lb-ft.



2. Place a pan below the stock thermal bypass valve as fluid will drain from the transmission & cooler when removed. Plugs/caps may be used on the lines after they have been disconnected to minimize the amount of fluid that is lost.
3. Using a 20mm wrench, loosen the two (2) fittings on the transmission side. Then, using a 10mm wrench, remove the one (1) bolt securing the cooler-side lines to the stock thermal bypass valve and bracket. All four lines can now be removed from the stock thermal bypass valve, and the thermal bypass valve can be removed from the vehicle.



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4. Replace the stock o-ring on each of the two (2) transmission-side lines with the two (2) supplied new o-rings. Then, replace the stock dowty seal on each of the two (2) cooler-side lines with the two (2) supplied new dowty seals.

5. Install the four (4) stock lines into the Mishimoto thermal bypass valve. Using a 10mm wrench, reinstall the stock bolt that was removed in Step 2 through the mount, retainer bracket, and into the Mishimoto thermal bypass. Then, using a 20mm wrench, tighten the fittings on the transmission-side lines.



6. Follow the vehicle manufacturer's instructions on checking the transmission fluid level and top off if needed. The installation is now complete.

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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 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

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