

# 2013–2018 DODGE RAM 6.7L CUMMINS THERMAL BYPASS VALVE KIT PARTS LIST & INSTALLATION GUIDE



## PARTS INCLUDED

- 1PC Billet Aluminum Bypass Valve Block
- 1PC Removable Thermostat
- 1PC Removable Thermostat Bypass
- 2PC CNC-Machined Steel Quick-Disconnect Fittings
- 1PC Assembly Note Card

## TOOLS NEEDED

- 20mm Wrench
- Pick Tool

**INSTALL TIME** 30 Minutes

**INSTALL DIFFICULTY**

## DISCLAIMER

- 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.
- Mishimoto suggests that a trained professional install all Mishimoto products.

## INSTALL PROCEDURE

1. Loosen the fittings on the bypass unit using a 20mm wrench. Have a bucket ready to catch residual fluid.



2. Slide the dust boots off the connections on the other end of the bypass unit.
3. Remove the spring clips that secure the lines. (2x spring clips)



4. Pull the bypass unit off the lines.
5. Check the O-rings on the front lines to make sure they remained on the lines during the previous step.
6. Install the Mishimoto bypass valve.
7. Thread the fittings into the bypass unit. Tighten them with a 20mm wrench. (2x 20mm fittings)
8. Set the dust boots back over the line connections.

### INSTALLING THE BYPASS

9. Remove the top cap from a valve body with a 1-1/8" or 27mm wrench.
10. Transfer the top spring and plastic top hat to the top of the bypass stem.

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11. Remove the thermostat and plastic collar.



12. Leave the large spring residing in the valve body.
13. Place the bypass, top hat, and top spring inside the valve body.
14. Replace the top cap for the valve body and tighten it down with a 1-1/8" or 27mm wrench.

**Congratulations! You have finished installing the Mishimoto 2013-2018 Dodge Ram 6.7L Thermal Bypass Valve Kit.**

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