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 620000

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

 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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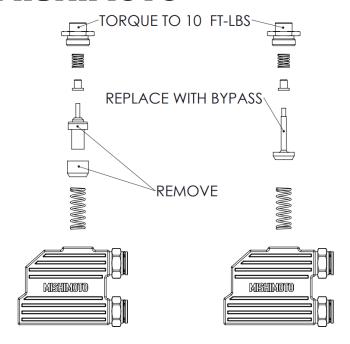
11. Remove the thermostat and plastic collar.



- 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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