

# 2004-2008 DODGE RAM 5.7L HEMI V8 PERFORMANCE ALUMINUM RADIATOR PARTS LIST & INSTALLATION GUIDE



## PARTS INCLUDED

- 1PC** Mishimoto Radiator
- 1PC** Mishimoto Radiator Cap
- 1PC** Mishimoto Magnetic Drain Plug
- Mounting Hardware

## TOOLS NEEDED

- 10mm Socket
- 10mm Wrench
- 1/4" Drive Ratchet
- Pliers
- Pick Tool

**INSTALL TIME** 1.5 Hours

**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. Release the petcock on the radiator and drain the coolant from the system. Have a bucket ready under the petcock to catch the coolant and prevent spills.



2. Remove the bolts holding the reservoir tank and washer fluid tank. (2x 10mm bolts)
3. Disconnect the two electrical harnesses underneath the tanks.



4. Separate the small coolant hose connected to the radiator.



5. Slide the hose off the bottom port on the washer fluid tank. (1x spring clamp)
6. Remove the reservoir tank and washer fluid tank.
7. Compress the clamp on the upper radiator hose and slide it down the hose. Then pull the upper radiator hose off the port. (1x spring clamp)



8. Compress the clamp on the lower radiator hose and slide it down the hose. Then pull the lower radiator hose off the port. (1x spring clamp)

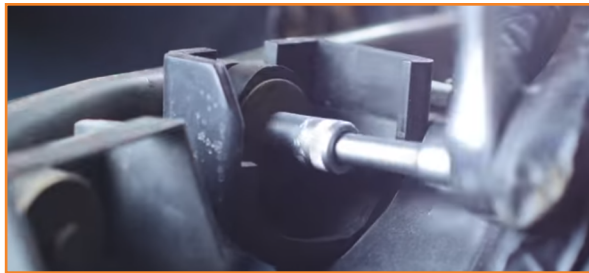
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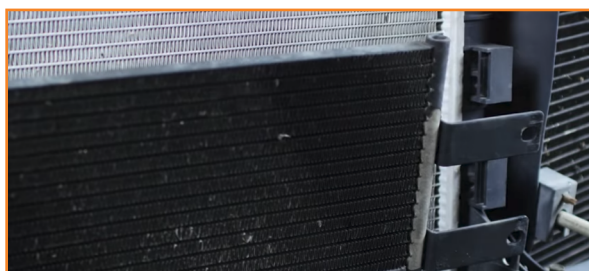
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9. Remove the bolts that secure the fan shroud to the radiator and separate the two to give you room to work on taking out the radiator. (2x 10mm bolts)
10. Remove the bolts that secure the upper portion of the radiator. (2x 10mm bolts)



11. Part the transmission cooler from the radiator. Let it rest up against the support beam. (1x 10mm bolts)



12. Lift the radiator out of the engine bay.
13. Slide the provided nut clips onto your Mishimoto radiator. These will go on the two upper most brackets on each side of the radiator. (2x nut clips)



14. Transfer the stock bushings to your Mishimoto radiator.



15. Transfer the stock radiator's bottom grommets to your Mishimoto radiator.
16. Lower the Mishimoto radiator into the engine bay. Be sure to lower the radiator onto the crash bar, resting the bottom brackets overtop of it.



17. Reinstall the transmission cooler using one of the provided bolts from your kit. (1x 10mm bolt)
18. Secure the top brackets of the radiator. (2x 10mm bolts)
19. Reinstall the fan shroud to the radiator. (2x 10mm bolts)
20. Connect the lower radiator hose to the radiator and secure the connection with the available clamp. (1x spring clamp)

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21. Connect the upper radiator hose to the radiator and secure the connection with the available clamp. (1x spring clamp)
22. Reinstall the reservoir and washer fluid tanks.
23. Connect the small coolant hose to the port on the radiator.
24. Attach the washer fluid hose to the tank. (1x spring clamp)
25. Reconnect the electrical harnesses under the reservoir and washer fluid tanks.
26. Secure the tanks with the original hardware. (2x 10mm bolts)
27. Fill the cooling system with premixed, Dodge-approved coolant, start the engine, and allow it to idle with the cap off. Turn the heater control valve on the vehicle's HVAC unit to full hot, and put the fan on low. Monitor the engine temperature and coolant level in the reservoir. Add coolant as needed to maintain proper level in the reservoir, and check your connections for leaks. If the vehicle begins to overheat or coolant starts to overflow from the reservoir, shut off the engine and allow it to cool before continuing. Once the vehicle is fully warmed up and the coolant level has stabilized, allow the vehicle to cool off completely, and then top off the coolant level. Coolant level should be checked once more after putting in some miles.

**Congratulations! You have finished installing the Mishimoto 2004-2008 Dodge Ram 5.7L Hemi V8 Aluminum Radiator.**