

# 2010-2012 DODGE CUMMINS ALUMINUM RADIATOR

## PARTS LIST AND INSTALLATION GUIDE

### PARTS LIST

**1PC** | MISHIMOTO RADIATOR  
**1PC** | MISHIMOTO RADIATOR CAP  
**1PC** | MAGNETIC DRAIN PLUG  
**2PC** | RUBBER MOUNTING BUSHINGS  
ADDITIONAL MOUNTING HARDWARE

### TOOLS NEEDED

3/8" DRIVE RATCHET                      36MM FAN-REMOVAL TOOL  
3/8" DRIVE 6" EXTENSION              (NOT PROVIDED)  
10MM DEEP SOCKET  
13MM DEEP SOCKET  
POP-CLIP PLIERS

**DIFFICULTY LEVEL:** 3/5

**INSTALL TIME:** 2 HOURS

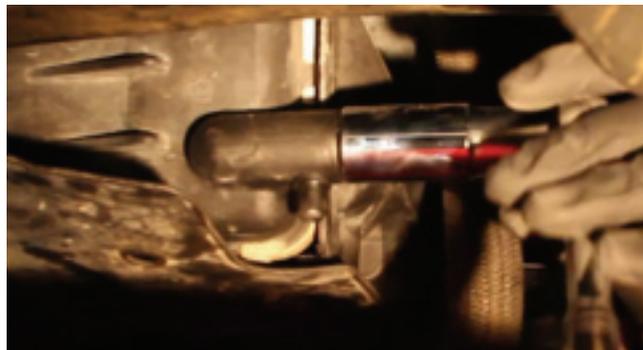
### DISCLAIMER

- 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.

### INSTALLATION INSTRUCTIONS

#### 01) REMOVING THE FACTORY RADIATOR

1. Loosen coolant drain plug from bottom of truck and allow coolant to completely empty into a container.



2. Remove pop clips from the plastic shroud. (4x pop clips)



3. Loosen clamp on the upper radiator hose and disconnect the front end of the hose from the radiator.

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4. Loosen clamp on the back end of the upper radiator hose and remove the hose entirely.



5. Remove the pop clips from the plastic undertray beneath the truck. (4x pop clips)



6. Remove the bolts securing the bottom of the radiator to the power steering cooler. (2x 10mm bolts)



7. Using your fan removal tool, loosen the fan nut.

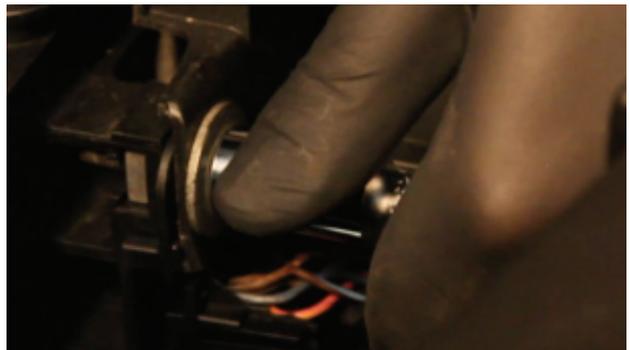


8. Disconnect the fan shroud.



9. Undo push clip that holds the fan shroud connection to the plastic fan shroud.

10. Remove bolts holding the fan shroud in place. (3x 13mm bolts)



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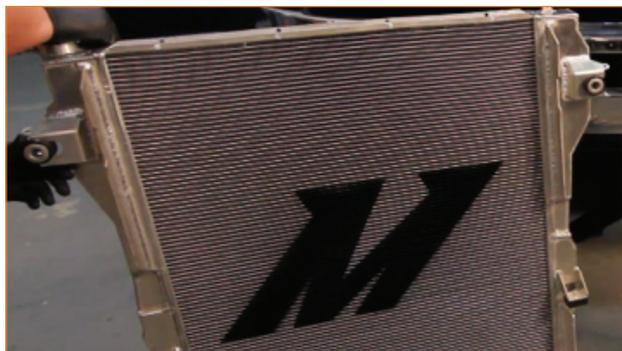
11. Remove the fan from the engine bay.
12. Remove the fan shroud from the engine bay.
13. Loosen clamp on lower radiator hose and disconnect hose from the radiator.
14. Disconnect the small overflow hose from the top of the radiator.
15. Remove bolts securing the radiator to the radiator support bracket. (2x 13mm bolts)



16. Remove the radiator from the truck.

## 02) INSTALLING THE MISHIMOTO RADIATOR

1. Remove the rubber grommets from the upper mounting points on the factory radiator. (2x rubber grommets)
2. Install the removed factory rubber grommets onto the Mishimoto radiator.



3. Carefully put the Mishimoto radiator into place in the engine bay.

4. Reinstall the bolts securing the top of the radiator to the radiator support bracket. (2x 13mm bolts)
5. Reinstall the bolts securing the bottom of the radiator to the power steering cooler. (2x 10mm bolts)
6. Reinstall the lower radiator hose and secure the hose clamp.
7. Reinstall the upper radiator hose and secure the hose clamp.
8. Reconnect the coolant overflow hose to the top of the radiator.
9. Place the fan shroud back into the engine bay behind the radiator.
10. Place the fan back into the fan shroud.
11. Thread the center of the fan back onto the fan mounting point.



12. Reinstall fan harness connection into the side of the fan shroud. (Note: The connection slides into the side of the shroud.)
13. Reconnect fan harness connection.
14. Reinstall fan shroud mounting bolts. (3x 13mm bolts)
15. Reinstall plastic shroud. (4x pop clips)
16. Loosen the coolant bleeder valve.



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## INSTALLATION GUIDE

17. Remove the radiator cap and refill the cooling system with Dodge Cummins-approved DEX-COOL Extended Life coolant. Use a 50/50 mix of water and coolant.
18. Start the truck and turn the heat to high. This will help bleed any leftover air from the cooling system.
19. Once the system has been properly bled, secure the coolant bleeder valve screw.
20. You have now successfully installed the Mishimoto 2010-2012 Dodge 6.7L Cummins Aluminum Radiator. Enjoy!