

# 03-10 DODGE 5.9L/6.7L CUMMINS RADIATOR PARTS LIST AND INSTALL GUIDE

## PART LIST

**1PC** | MISHIMOTO ALUMINUM RADIATOR

**1PC** | MISHIMOTO RADIATOR CAP

## TOOLS NEEDED

SOCKET WRENCH + EXTENSIONS	11MM WRENCH AND SOCKET
1/2" WRENCH AND SOCKET	10MM WRENCH AND SOCKET
STANDARD SCREWDRIVER	PLIERS

## DISCLAIMER

- Mishimoto Performance is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of MP products.
- MP always suggests that a trained professional installs all MP products.
- Refill coolant system with 50/50 coolant, unless specified by the manufacturer.
- Do not run the engine or drive the vehicle while overheating. Serious damage may occur.

**NOTE:** Removal of the A/C condenser, intercooler is recommended for more room to work with.

## INSTALLATION INSTRUCTIONS

### 01 | REMOVING OEM RADIATOR

1. Make sure car is completely cooled off. Locate the petcock to drain the OEM radiator. Remove the radiator cap to aid in the draining of the radiator. Drain antifreeze into suitable container and dispose of properly.



2. Remove the plastic clips holding the front air dams in place.



3. Remove the (4) 1/2" head bolts which hold the A/C condenser to the intercooler. Lift A/C condenser out and hang off to the side. **NOTE:** Do not disconnect the A/C lines. If lines are disconnected, the A/C system must be recharged.



4. Loosen the (2) 11mm head T-bolts on the intercooler end tanks.



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# 01

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## 01 | REMOVING OEM RADIATOR CONTINUED

5. Loosen couplers from the intercooler with a screwdriver.



6. Remove the (2) 10mm head upper intercooler mounting bolts.

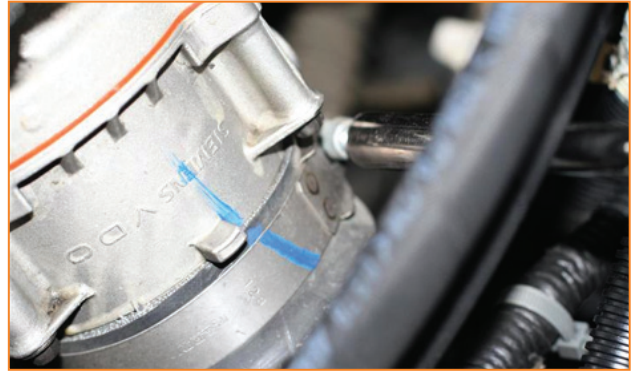


7. Lift intercooler with an up and outward motion to remove.

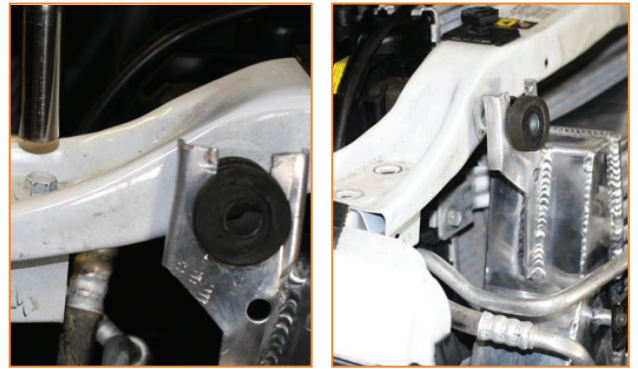


8. Pull couplers off the inlet and outlet end tanks of the intercooler.

**Note:** It is suggested to loosen the (1) T-bolt clamp on the intake to be able to remove the charge piping and create additional room to work with.



9. Remove the (4) 1/2" head upper radiator support bolts.



10. Remove the (2) 10mm bolts holding the radiator to the upper radiator support from the backside.



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## 01 | REMOVING OEM RADIATOR CONTINUED

11. Lift up radiator support and lay off to the side.



12. Remove the (2) 1/2" head transmission cooler bolts. Pull up on the transmission cooler to separate from the radiator. Lean the transmission cooler forward.



13. Remove upper and lower radiator hoses clamps and pull hoses off of the radiator.



14. Move battery cables off to the side.



15. Remove the (2) 1/2" head bolts on the fan shroud on the backside of the radiator.



16. If your vehicle has a bolt attaching the intake system to the fan shroud, remove this and then lift up on the shroud to remove.



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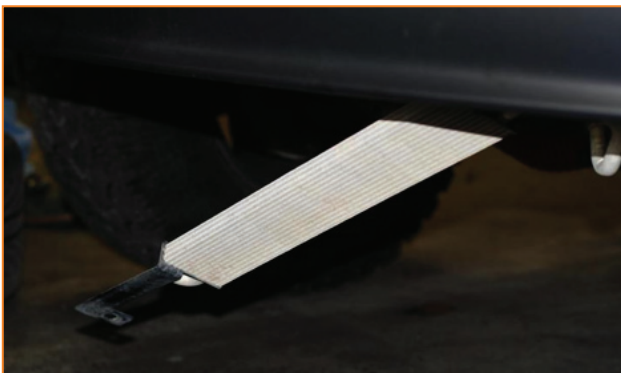
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## 01 | REMOVING OEM RADIATOR CONTINUED

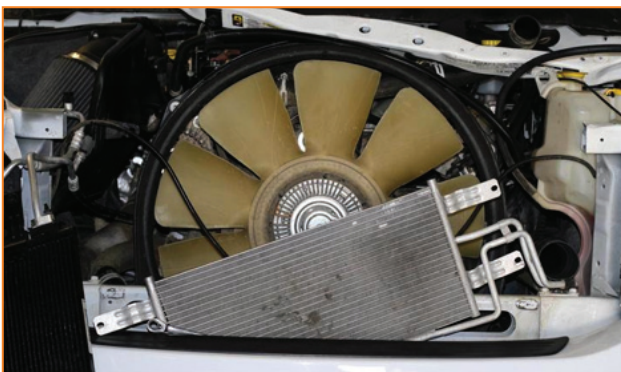
17. Pop out transmission lines from the radiator end tank bracket on the driver's side.



18. Remove the (2) 1/2" head bolts holding the Power Steering cooler onto the radiator and allow to hang once removed.



19. Lift up and remove the radiator.



## 02 | PREPARING YOUR MISHIMOTO RADIATOR FOR INSTALLATION

1. Lay the OEM unit next to the Mishimoto radiator.

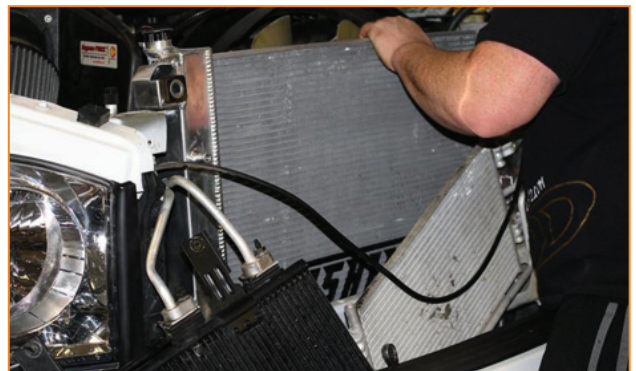


2. Transfer OEM rubber bushings/isolators to the Mishimoto radiator.



## 03 | INSTALLING THE MISHIMOTO RADIATOR

1. Lower the radiator into the vehicle.



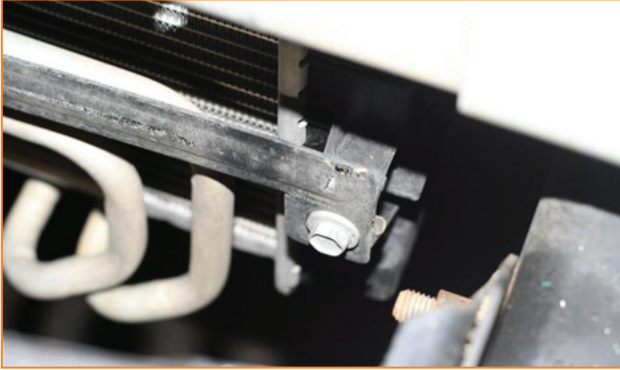
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## 03 | INSTALLING MISHIMOTO RADIATOR CONTINUED

2. Reinstall the (2) 1/2" head bolts for the Power Steering cooler.

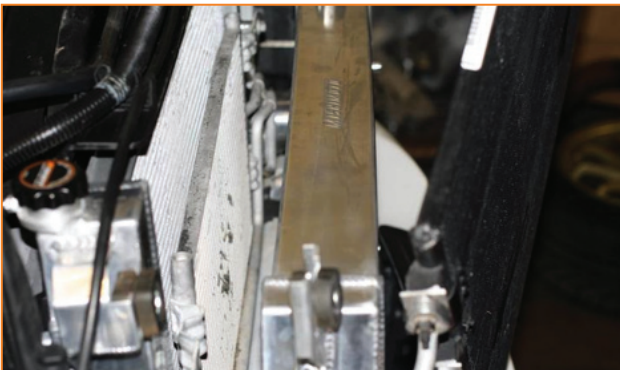


3. Slide the OEM fan shroud onto the back of the Mishimoto radiator.

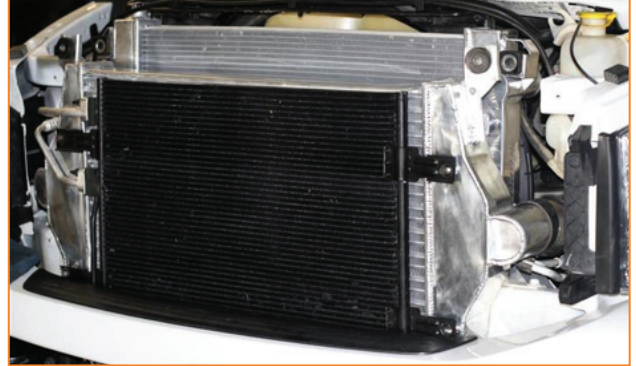


4. Reinstall the (2) OEM 1/2" head bolts for the fan shroud from the backside.

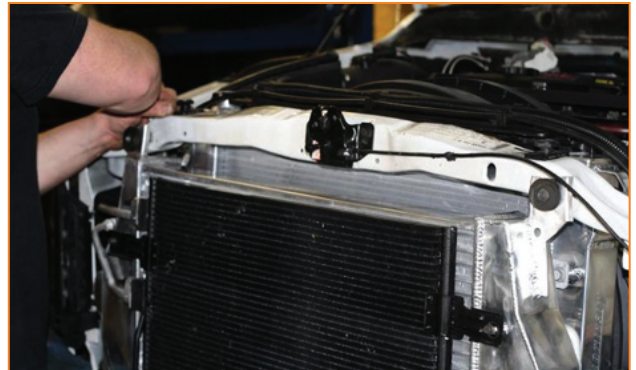
5. Reinstall the intercooler couplers/charge piping. Tighten the OEM 11mm head T-bolt clamps.



6. Reinstall the A/C condenser with the (4) 1/2" head bolts.



7. Reinstall the OEM upper radiator support using the (4) 1/2" head bolts.



8. Reinstall the intercooler with the (2) OEM 10mm upper intercooler mounting bolts.



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## 03 | INSTALLING MISHIMOTO RADIATOR CONTINUED

9. Reinstall the (2) 10mm bolts to attach the Mishimoto radiator to the OEM upper radiator support from the backside.



10. Reinstall the radiator hoses and clamps.

11. Reinstall front air dams using the OEM plastic clips.

12. Fill Mishimoto radiator with approximately 5.8 gallons of coolant and bleed the coolant system for air. Refill the cooling system make sure to top off the system with a 50/50 mix of antifreeze and distilled water. During the bleeding process place the heat on high inside the car to evacuate any air bubbles in the system quickly. Check for any leaks in the cooling system. If the coolant temperature gauge indicates more than  $\frac{1}{2}$  way then shut the engine off and top off the antifreeze until all the air bubbles are out of the system. Do not run or drive the engine while overheating or serious damage may occur and is common on these particular models. Be sure to top off the coolant reservoir and check frequently.