

# 2007-2011 JEEP WRANGLER JK V6 PERFORMANCE ALUMINUM RADIATOR

## PARTS LIST AND INSTALLATION GUIDE

### PARTS LIST

1PC | MISHIMOTO PERFORMANCE ALUMINUM RADIATOR

### TOOLS NEEDED

8MM WRENCH	RATCHET EXTENSION
10MM WRENCH	LINEMAN'S PLIERS
8MM SOCKET	FLATHEAD SCREWDRIVER
10MM SOCKET	PHILLIPS HEAD SCREWDRIVER
UNIVERSAL EXTENSION	POP-CLIP PLIERS
1/4" DRIVE RATCHET	COOLANT

### DISCLAIMER

- Please dispose of any liquids properly.
- Allow vehicle to cool completely prior to attempting installation.
- Mishimoto Performance (MP) 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 install all MP products.
- Do not run the engine or drive the vehicle while overheating. Serious damage may occur.
- Raise vehicle only on jack stands or on a vehicle lift.

### INSTALLATION INSTRUCTIONS

#### 01 | REMOVING THE OEM RADIATOR

1. Disconnect the negative battery terminal.
2. Drain the coolant. The drain plug is located on the front of the radiator below the grille.
3. Unplug the air sensor.
4. Loosen the clamp on the intake hose and remove the hose from the engine bay.
5. Disconnect the PCV hose from the airbox.



6. Remove the airbox from the Jeep.

7. Remove the four pop clips that hold the upper radiator shroud to the radiator.



8. Remove the coolant overflow hose from the radiator.

9. Unplug the fan shroud.

10. Remove the upper radiator hose from the radiator.

11. Disconnect the overflow hose from the fan shroud, and pull up on the coolant reservoir to remove it from the fan shroud.

12. Remove the three pop clips to disconnect the lower radiator shroud from the fan shroud.



13. Remove the two 8mm bolts that hold the fan shroud to the radiator.

14. Remove the fan shroud from the engine bay.

15. Unplug the turn signals.

16. Remove the six screw-type clips from the top of the grille.

17. Remove the grille. Put a bit of pressure on the bottom of the grille to unclip it from the Jeep.

18. Remove the four 10mm bolts that hold the A/C condenser to the radiator.

19. Remove the lower radiator hose from the radiator.

20. Remove the four pop clips from the side radiator flaps.

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# 01

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21. Disconnect the lower shroud from the radiator by removing the two pop clips.
22. Remove the two 10mm bolts that connect the radiator to the upper radiator support.
23. Remove the single 8mm bolt that holds the bracket for the A/C line to the side of the radiator.
24. Remove the radiator from the Jeep.

## 02 | PREPARING THE MISHIMOTO RADIATOR FOR INSTALLATION

1. Transfer the two lower mounting grommets from the factory radiator to the new Mishimoto radiator.
2. Transfer the two upper mounting grommets from the factory radiator to the new Mishimoto radiator.

## 03 | INSTALLING THE MISHIMOTO PERFORMANCE ALUMINUM RADIATOR

1. Install the Mishimoto radiator into the engine bay.
2. Reinstall the two 10mm bolts that secure the radiator to the upper radiator support.
3. Reconnect the A/C condenser to the radiator by reinstalling the four 10mm bolts that secure them together.



4. Reinstall the lower radiator hose.
5. Reinstall the fan shroud into the engine bay.
6. Reinstall the fan shroud to the radiator using two 10mm bolts.
7. Plug in the fan shroud harness.
8. Reinstall the coolant reservoir.
9. Clip the overflow line to the fan shroud and reinstall it onto the radiator.
10. Reinstall the upper radiator hose.
11. Reinstall the air intake box assembly.

12. Tighten the clamp that holds the intake tube to the throttle body.
13. Reconnect the mass airflow sensor. Don't forget to depress the red tab, which is a safety measure to ensure that the sensor doesn't become unplugged.
14. Reinstall the front grille using six screw-type clips.



15. Reinstall the turn signals.
16. Reinstall the upper radiator shroud using four pop clips.



17. Reinstall the negative battery terminal.
18. Refill the cooling system with a 50/50 mixture of coolant and distilled water.
19. Start the vehicle and set the heat to high to purge any air from the cooling system. Allow the vehicle to reach operating temperature and check for any leaks in the system.
20. You have now successfully installed the Mishimoto Jeep Wrangler JK Performance Aluminum Radiator. Enjoy!