

2008-2010 FORD F-250 6.4L POWERSTROKE ALUMINUM RADIATOR

PARTS LIST AND INSTALLATION GUIDE

PARTS LIST

1PC | MISHIMOTO PERFORMANCE ALUMINUM RADIATOR

TOOLS NEEDED

8MM SOCKET	RATCHET EXTENSION
10MM SOCKET	NEEDLENOSE PLIERS
11MM DEEP SOCKET	FLATHEAD SCREWDRIVER
13MM SOCKET	COOLANT
UNIVERSAL SOCKET JOINT	FUNNEL
RATCHET	

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 terminal on both batteries.
2. Locate the drain plug on the base of the radiator and allow all coolant to drain from the radiator. To speed up the draining process, remove the cap on the coolant reservoir.
3. Loosen the clamps on the upper intercooler pipe boot.
4. Loosen the clamps on the lower intercooler pipe boot.
5. Remove the two 10mm bolts from the top of the intercooler.



6. Remove the intercooler from the truck.
7. Remove the six 13mm bolts that hold the upper radiator support to the truck.
8. Remove the four 10mm bolts that hold the radiator to the upper radiator support.



9. Remove the single 10mm bolt that holds the vehicle horns to the radiator support.
10. Disconnect the hood release cable from its bracket.
11. Remove the upper radiator support from the truck, and lay to the side.
12. Disconnect the power steering line from the radiator.
13. Remove the two 8mm bolts that hold the transmission cooler to the radiator.
14. Disconnect the transmission lines from the radiator. Make sure to have a pan ready, as transmission fluid will drain.



15. Remove the two 8mm bolts that hold the A/C condenser to the radiator.
16. Remove the four pop clips that hold the lower side gaskets to the radiator.
17. Remove the three pop clips that hold the upper gasket to the radiator.
18. Unbolt the upper fan shroud from the radiator by removing the two 8mm bolts.

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19. Unbolt the upper fan shroud from the lower fan shroud by removing the two 8mm bolts.

20. Remove the two 8mm bolts that hold the power steering reservoir to the fan shroud.



21. Remove the coolant overflow hose from the radiator.

22. Remove the upper fan shroud from the radiator.

23. Disconnect the upper radiator hose.

24. Disconnect the lower radiator hose.

25. Carefully remove the radiator from the engine bay. Have someone help you with this, as the radiator is fairly large.

02 | INSTALLING THE MISHIMOTO PERFORMANCE ALUMINUM RADIATOR

1. Transfer the mounting grommets from the factory radiator to the new Mishimoto radiator.

2. Transfer the upper mounting clips from the factory radiator to the new Mishimoto radiator.

3. Position the Mishimoto radiator into the engine bay.

4. Reattach the upper and lower radiator hoses.

5. Using two 8mm bolts, reinstall the upper fan shroud to the radiator.

6. Using two 8mm bolts, reattach the upper fan shroud to the lower fan shroud.



7. Reattach the battery lead to the radiator, and then reinstall the upper gasket on the radiator.



8. Reinstall the A/C condenser to the radiator, using two 8mm bolts.

9. Reinstall the transmission cooler and cooler lines to the radiator using two 8mm bolts.

10. Reattach the power steering reservoir to the fan shroud using two 8mm bolts.



11. Reinstall the side gaskets on the radiator using four pop clips. Then reconnect the hood release cable to its bracket.

12. Reconnect the coolant reservoir hose.

13. Reattach the radiator to the radiator support using four 10mm bolts.



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14. Using six 13mm bolts, reattach the upper radiator support to the truck.

15. Reinstall the single 10mm bolt that holds the horns to the upper radiator support.



16. Reinstall the intercooler in the truck. Make sure that mounting pegs seat properly when installing.

17. Reattach the cold-side pipe boot to the intercooler.



18. Using two 10mm bolts, reinstall the top of the intercooler to the upper radiator support.

19. Reattach the lower hot-side pipe boot to the intercooler.



20. Refill the cooling system with a 50/50 mix of coolant and distilled water.



21. Reconnect the negative battery terminals on both batteries.

22. 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.

23. You have now successfully installed the Mishimoto Ford Powerstroke Performance Aluminum Radiator. Enjoy!