

2005-2013 CHEVROLET CORVETTE

PERFORMANCE ALUMINUM RADIATOR

PARTS LIST & INSTALLATION GUIDE



PARTS INCLUDED

1PC Mishimoto Aluminum Radiator

TOOLS NEEDED

7mm Socket
10mm Socket
3/8" Drive Ratchet & Extension
19mm Wrench
Adjustable Wrench
Flathead Screwdriver
Hose Clamp Pliers
Pliers
Pick Tool

INSTALL TIME 2 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. Disconnect the MAF sensor on the intake tube.
2. Loosen the clamp on the intake tube. Then separate the PCV/CCV hose from the intake.



3. Remove the intake tube. To do so, pull out the two clips securing it to the upper radiator support. (2x tree clips)
4. Unclip the hose from the upper radiator support.
5. Remove the upper radiator support. (4x 10mm bolts)



6. Compress the clamp on each end of the upper radiator hose and slide it off the ports to remove it from the vehicle. (2x spring clamps)



7. Compress the clamp where the coolant hose connects to the radiator and slide the hose off the port. (1x spring clamp)
8. Separate all hoses and electrical lines from the brackets at the back of the fan shroud. (2x tree clips)
9. Disconnect the fan shroud electrical connector.



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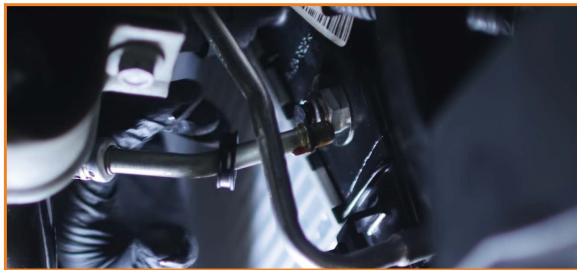
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10. Remove the bolts that secure the fan shroud to the radiator. Then remove the fan shroud.



11. Detach the transmission lines from the radiator. Use a pick tool to slide the clip cover back and pull the clip out. Once each line is off the radiator, plug them to avoid spillage. (2x spring clips)



12. Compress the clamp on the lower radiator hose and slide the hose off the port.



13. Separate the AC condenser from the radiator.
14. Shift the AC condenser forward to give you enough room to lift the radiator out of the vehicle.
15. Transfer grommets to the Mishimoto radiator.

16. Tighten the drain plug on the radiator.
17. Install the appropriate-threaded port/plug that matches the stock radiator to the driver-side end tank. Then tighten all cooler fittings until snug.



18. Install the Mishimoto radiator.
19. Attach the lower radiator hose to the radiator and secure the connection with the same clamp. (1x spring clamp)
20. Reinstall the lower transmission line. (1x spring clip)
21. Reinstall the fan shroud. Then reconnect its electrical harness. (2x 10mm bolts)
22. Reinstall the upper transmission line. (1x spring clip)
23. Reconnect the hoses and electrical lines to the brackets on the fan shroud. (2x tree clips)
24. Slide the coolant hose onto the radiator port and secure it with the appropriate clamp. (1x spring clamp)
25. Reinstall the upper radiator hose. (2x spring clamps)
26. Reinstall the upper radiator support and secure it with the four bolts. (4x 10mm bolts)
27. Reinstall the intake tube. Secure the clamp on the connection to the engine as well as the two flaps on the radiator support. Then reconnect the MAF sensor and PCV/CCV lines.
28. Fill the cooling system with premixed, Chevrolet-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.

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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 2005-2013 Chevrolet Corvette Performance Aluminum Radiator.