

## PARTS INCLUDED

- 1PC** Mishimoto Aluminum Radiator
- 2PC** Pre-installed Oil Cooler Adapters
- 2PC** Pre-installed Transmission Cooler Adapters
- 1PC** Magnetic Drain Plug
- Mounting Hardware

## TOOLS NEEDED

- 10mm Socket
- 13mm Socket
- 1/4" Drive Ratchet & Extension
- Adjustable Wrench
- Flathead Screwdriver
- Pick Tool

**INSTALL TIME** 3 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

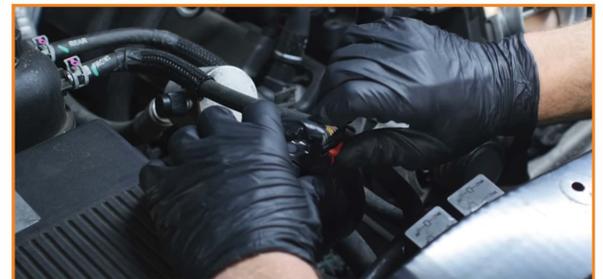
1. Separate the paneling on the front edge of the engine bay to reveal the radiator. (12x pop-clips)



2. Loosen the clamps on both ends of the intake tube. (2x worm gear clamps)
3. Separate the quick-disconnects on the intake, then remove the intake tube.



4. Disconnect the MAF sensor. Lift the red tab and depress the black tab at the center.



5. Remove the airbox.
6. Disconnect the electrical harnesses for the fan shroud. Slide the gray tab over and depress the black tab.



7. Free the transmission cooler lines and lower radiator hose. They are held in place by three clips. (3x tree clips)

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8. Remove the bolts that secure the fan shroud to the radiator. (2x 10mm bolts)



9. Separate the upper oil cooler line from the radiator. Slide the clip cover down the line, and then pull out the clip that secures the connection. Plug the line to prevent spillage. (1x spring clip)



10. Lift the fan shroud out of the engine bay.  
11. Like with the upper oil cooler line, separate the lower oil cooler line from the radiator. Plug the line to prevent spillage. (1x spring clip)



12. Remove the bolts on the upper radiator brackets. (2x 13mm bolts)



13. Remove the transmission cooler line from the radiator. (2x spring clips)



14. Drain your coolant system. This requires disconnecting the lower hose on the reservoir tank. (1x spring clamp)  
15. Slide the upper and lower radiator hoses off the radiator. Have a bucket ready to catch any residual fluid in your cooling system. (2x spring clamp)



16. Separate the small coolant hose from the radiator. (1x spring clamp)

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17. Remove the bolt that holds on the AC condenser lines, which is located on the passenger side of the radiator end tank. (1x 10mm bolt)
18. Lean the radiator back and slide the AC condenser off the radiator brackets to divide the two.
19. Lift the radiator up and out of the engine bay. Be sure to clear any lines surrounding the radiator.
20. Transfer hardware and grommets on the stock radiator to the Mishimoto radiator.
21. Snug the fittings all along the Mishimoto radiator end tanks.



22. Lower the Mishimoto radiator in at an angle. Then secure the AC condenser line located on the passenger side end tank. (1x 10mm bolt)
23. Secure the AC condenser with the install bolts. (2x 10mm bolts)



24. Reinstall the driver-side transmission line to the cooler and radiator. (2x spring clips)
25. Slide the lower radiator hose onto the radiator. (1x spring clamp)
26. Reinstall the oil cooler lines. (2x spring clip)
27. Reinstall the fan shroud. Reconnect the electrical harnesses, and secure the wiring and radiator hose. Then secure the fan shroud to the radiator. (2x 10mm bolts, 3x tree clips)
28. Secure the upper radiator brackets. (2x 13mm bolts)
29. Slide the upper radiator hose onto the radiator. (1x spring clamp)
30. Attach the small coolant hose to the radiator. (1x spring clamp)
31. Attach the coolant hose to the expansion tank. (1x spring clamp)
32. Reconnect the MAF sensor.
33. Reinstall the airbox and reconnect the intake tube, including the two quick-disconnects. (2x worm gear clamps)
34. Reinstall the front paneling over the radiator. (12x pop-clips)
35. 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. 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 2014–2018 Chevrolet Silverado 1500 V8 Aluminum Radiator.**

**03**