

2014+ CHEVROLET SILVERADO 1500 V8 TRANSMISSION COOLER PARTS LIST & INSTALLATION GUIDE



PARTS INCLUDED

- 1PC** Mishimoto Stacked-Plate Transmission Cooler
- 2PC** High-Pressure Transmission Cooler Lines
- 2PC** High-Strength Aluminum Transmission Lines w/ Quick-Disconnect Fittings
- 2PC** Pre-Installed CNC-Machined Aluminum Mounting Brackets
- 2PC** CNC-Machined Aluminum Mounting Brackets
- 1PC** Removable Thermal Bypass Valve Delete
- 1PC** Ambient Air Temperature Sensor Relocation Bracket
- 1PC** Stick-On Drilling Template
- 1PC** Installation Note Card
- Mounting Hardware

TOOLS NEEDED

- 7mm Socket
- 10mm Socket
- 1/4" Drive Ratchet
- Flathead Screwdriver
- Step Drill Bit or 1/2" Drill Bit
- Drill
- Pick Tool
- T15 Torx

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. Remove pop-clips to free the radiator cover. Then remove the radiator cover. (12x pop-clips)



2. Separate the fender liner on the driver side and passenger side. (2x 7mm bolts, 4x T15 torx screws)



3. Disengage the bumper cap at the sides and along the bottom of the grille. There are a number of tabs just under the grille that will release this piece. Remove the loose bumper cap. (2x 7mm bolts)



4. Take out the bolts that secure the grille. This includes all hardware along the bottom and top. (8x 10mm bolts)

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5. Disconnect the active grille shutter, if applicable. Depress the tab at the center of the connector to separate the connection.



6. Disengage the grille tabs under the top edge. Once free, pull the grille off the front of the truck.



7. Disconnect the MAF sensor from the intake. Lift the red tab on the face of the connector and then depress the black tab at the middle to separate the connection.



8. Loosen the clamps on the intake tube. (2x worm gear clamps)
9. Remove the airbox lid. There are bolts at each

corner of the airbox that secure the lid. Once the lid is off, pull the bottom half out of the engine bay. (4x 7mm bolts)

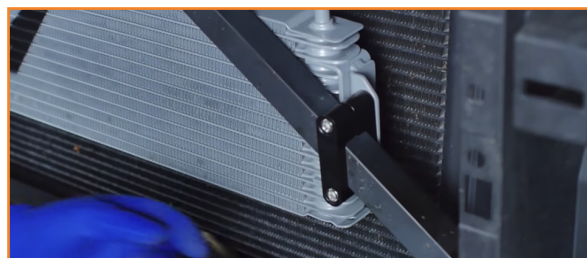
10. Separate the upper cooler line. Free the nearby wiring harness for easier access. (1x retainer clip)
11. Separate the lower cooler line. Then remove the stock transmission cooler. (1x retainer clip)



12. Angle the transmission cooler behind the bracket in front of the radiator. Prop the black ridges at the ends of the cooler up on the bracket to keep it in place.



13. Secure the transmission cooler with your mounting hardware. If the cooler is crooked and needs to be adjusted, loosen the button head bolts on the backside of the cooler brackets to adjust its position. (2x brackets, 4x Allen bolts)



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14. Drill two holes into the plastic shrouding. Use the included sticker template as guidance for position and sizing.



15. Set the line adapters and grommets that are provided in your kit into the recently drilled holes.



16. Connect the cooler lines to the adapters. Transfer the two safety caps to the new lines.



17. Install the long hose to your transmission cooler. One end will go to the bottom port where the holes were drilled and the other to the cooler's furthest port. (2x worm gear clamp)



18. Install the short hose to the top port where the holes were drilled and the other to the closer transmission cooler port. (2x worm gear clamp)



19. Reconnect the temperature sensor and secure the wiring.
20. Reinstall the grille. Connect the active grille charger, if applicable. (8x 10mm bolts)
21. Lower the airbox back into place and engage the grommets.
22. Reinstall the intake filter and airbox lid. (4x 7mm bolts)
23. Secure the intake tube to the airbox. (1x worm gear clamp)
24. Reconnect the MAF sensor.
25. Reinstall the bumper cap. Secure the edges to the fender. (2x 7mm bolts)
26. Secure the fender liner on both sides. (2x 7mm bolts, 4x T15 torx screws)

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27. Reinstall the radiator cover. (12x pop-clips)
28. Refill the transmission fluid to the proper level.

**Congratulations! You have finished installing
the Mishimoto 2006-2010 Chevrolet Silverado
1500 V8 Transmission Cooler.**