

2016+ CHEVROLET CAMARO 2.0T & 2013+ CADILLAC ATS 2.0T PERFORMANCE INTERCOOLER PARTS LIST & INSTALLATION GUIDE



PARTS INCLUDED

- 1PC Aluminum Intercooler
- 3PC Tree Clips

TOOLS NEEDED

- Flathead Screwdriver
- 7mm Socket
- 10mm Socket
- 3/8" Drive Ratchet
- Pop-Clip Removal Tool
- T15 Torx Socket
- Needlenose Pliers
- Pick Tool

INSTALL TIME 2 Hours

INSTALL DIFFICULTY

DISCLAIMER

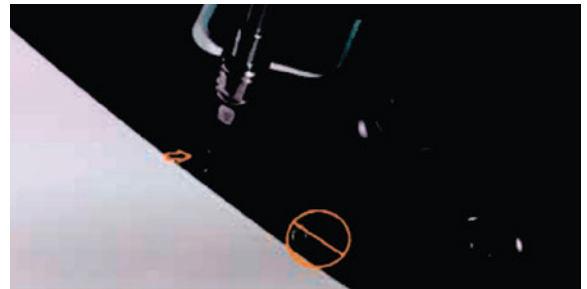
- Raise vehicle only on jack stands or on a vehicle lift.
- Allow vehicle to cool completely prior to attempting installation.
- Do not run the engine or drive the vehicle while overheating; serious damage can occur.
- Mishimoto is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of Mishimoto products.
- Mishimoto suggests that a trained professional install all Mishimoto products.

CAUTION: Never work on the cooling system when it is hot. The coolant temperature in the radiator can be considerably higher than boiling, and the system may be under pressure. Opening a cooling system that is hot or under pressure can result in serious injury. Always wait until the system has cooled completely before servicing it in any way.

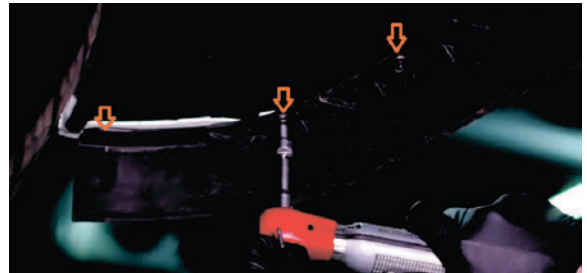
NOTE: Set the vehicle on an automotive lift or raise it with a jack and place it securely on jack stands. Refer to your owner's manual for safe lifting points if you are unsure.

INSTALL PROCEDURE

1. Remove the two pop-clips that secure the upper edge of the front bumper. (2x pop-clips)
2. Remove the six screws that secure the upper edge of the front bumper. Do not remove the screws that secure the black plastic alignment tabs. (6x T15 Torx screws)



3. Remove the five screws that secure the air diverter to the driver side of the vehicle and remove the air diverter. Repeat this process on the passenger-side. (10x 7mm screws)



4. Remove the eight screws that secure the lower edge of the bumper. (8x 7mm screws)



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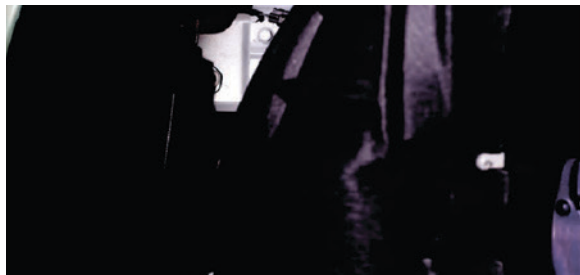
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5. Remove the four screws and six bolts that secure the splash panel to the underside of the vehicle. Then remove the splash panel. (4x 7mm screws, 6x 10mm bolts)



6. Remove the front wheels from the vehicle. It is possible to perform this install without removing the wheels, but it makes accessing everything much easier. (10x lug nuts)



7. Remove the seven screws and one pop-clip that secure the driver-side fender liner to the vehicle. (7x T15 screws, 1x pop-clip)
8. Unseat the liner from the fender and pull it back to expose the front of the wheel well.
9. Remove the four screws that secure the bumper to the front edge of the fender. (4x 7mm screws)



10. Remove the two screws that secure the bumper to the fender and loosen the inner screw. (3x 7mm screws)



11. Pull the upper corner of the bumper away from the fender to release it from the vehicle.
12. Release the two tree-clips that secure the lighting harness to the vehicle. Then release the harness connector from the body and disconnect it. To release this connector, slide the red lock tab out of the connector and depress the black tab. (2x tree-clips)



13. Remove the seven screws and one pop-clip that secure the passenger-side fender liner to the vehicle. (7x T15 screws, 1x pop-clip)
14. Unseat the liner from the fender and pull it back to expose the front of the wheel well.
15. Remove the two screws that secure the bumper to the fender and loosen the inner screw. (3x 7mm screws)
16. Remove the four screws that secure the bumper to the front edge of the fender. (4x 7mm screws)
17. Pull the upper corner of the bumper away from the fender to release it from the vehicle.

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- 18. Lift the top edge of the bumper to free it from the alignment tabs.
- 19. Remove the front bumper by sliding it forward off the nose of the vehicle.
- 20. Use a pop-clip removal tool to pull out the clips that secure both the upper and lower shrouding.



- 21. Remove the top two shrouding pieces once they're free. (12x pop-clips)



- 22. There are spring washers located around the stock radiator. Use a flathead screwdriver to wedge these free. (5x spring washers)



- 23. Remove the bolts that hold up the lower

transmission bracket and let it rest at its lowest position. (2x 10mm bolts)



- 24. Separate the car horn from the front bumper. (1x 10mm bolt)



- 25. Disconnect the temp sensor wiring from the plastic shrouding. (2x tree clips)



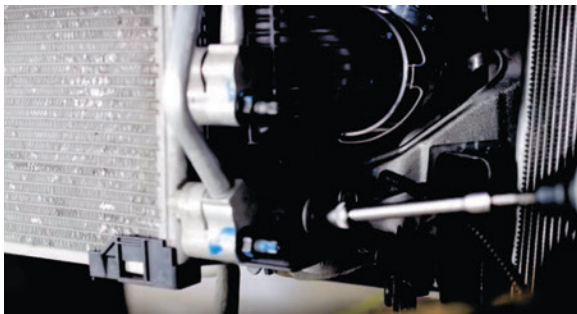
- 26. Remove the radiator stay ends and upper shroud. (4x 10mm bolts)

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27. Remove the bolts that secure the AC condenser. Then, slide the condenser upward to free it from the tabs at the top. Lower the unit to give yourself some space to reach the intercooler. (2x 10mm bolts)



28. Remove the bolts that secure the lower section of the intercooler. (2x 10mm bolts)



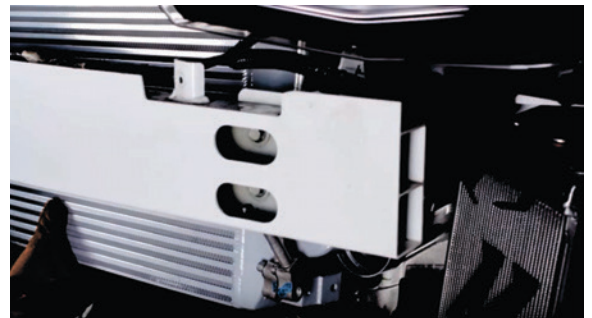
29. Pull the ring clips off the intercooler end tank connections. Then, take the hot and cold-side pipes off the intercooler. (2x ring clips)



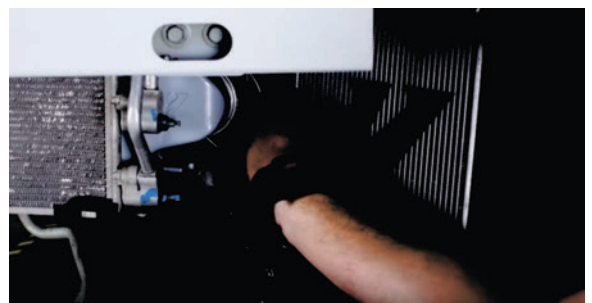
30. Remove the rubber shrouding on the driver side, in between the headlight and radiator. (1x pop-clip)



31. Lower the stock intercooler from the vehicle.
32. Install the Mishimoto intercooler by lifting it up into the same location as the stock component and letting it rest on the lower brackets. The AC condenser was removed for this image to give a better view of the step, but you can still install the part without removing the condenser.



33. Connect the hot and cold-side pipes to the intercooler and secure each connection with a ring clip. (2x ring clips)



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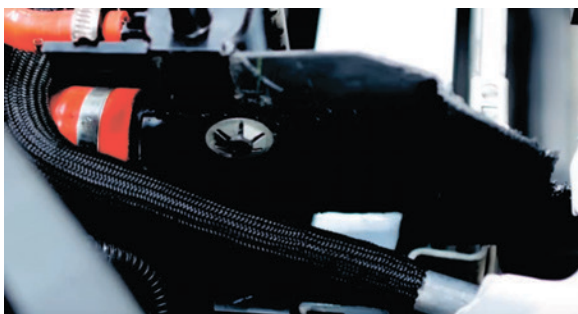
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34. Secure the bottom of the intercooler with the original hardware. (2x 10mm bolts)
35. Secure the AC condenser to the intercooler with the original hardware. (2x 10mm bolts)
36. Reinstall the larger ducting piece, feeding it up and behind the front bumper.



37. Lift the transmission cooler bracket up and bolt it back onto the lower edge of the bumper. (2x 10mm bolts)
38. There are three tree clips included in your kit. Use them to replace the spring washers you removed earlier, only the areas on the intercooler. The other two locations at the top edges will get the original spring washers. (3x tree clips, 2x spring washers)



39. Reinstall the radiator stay end shroud. (4x 10mm bolts)
40. Reinstall the two side shrouding pieces above the bumper, and then secure both the bottom and lower shroud pieces with the original clips. (12x pop-clips)
41. Reinstall the car horn. (1x 10mm bolt)
42. Install the front bumper. Align the pins on the bumper with the holes in the fender as you slide the bumper over the nose of the vehicle. Lift the top edge of the bumper over the alignment tabs. Check the fender gap on both sides.
43. Install the eight screws that secure the bumper to the front edge of the fenders. (8x 7mm screws)
44. Install the screws that secure the bumper to the bottom of the fenders. (6x 7mm screws)
45. Reconnect the lighting harness, lock the connector with the red tab, and secure it to the vehicle with the integrated tree-clips. (3x tree-clips)
46. Push the driver-side fender liner back into place and make sure the edges are fully seated behind the ducting. Then secure the fender liner with the original hardware. Repeat this process on the passenger side. (14x T15 Torx screws, 2x pop-clips)
47. Install the pop-clips that secure the upper edge of the front bumper. (2x pop-clips)
48. Install the six screws that secure the upper edge of the bumper. (6x T15 Torx screws)
49. Install the splash panel to the underside of the vehicle and secure it with the original hardware. (8x 10mm bolts)
50. Install both air diverters and secure them with the original hardware. If you forgot which side is which, look on the underside of the diverters. The driver-side will be marked LH and the passenger-side will be marked RH. (10x 7mm screws)
51. Install the four screws that secure the splash panel to the fender liner. (4x 7mm screws)

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52. Install the eight screws that secure the front edge of the bumper. (8x 7mm screws)
53. Reinstall the front wheels. Torque the lug nuts to 140 lb ft in a star pattern. (10x lug nuts)

Congratulations! You have finished installing the Mishimoto 2016+ Chevrolet Camaro 2.0T/2013+ Cadillac ATS 2.0T Performance Intercooler.