



INSTALLATION GUIDE

2017-2019 CHEVROLET / GMC 6.6L L5P DURAMAX
INTERCOOLER KIT | SKU: MMINT-DMAX-17

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RESOURCES & CONTACT



CALL 1-877-GOMISHI

CUSTOMER SERVICE HOURS: MON-FRI 8:30AM-5:00PM EST



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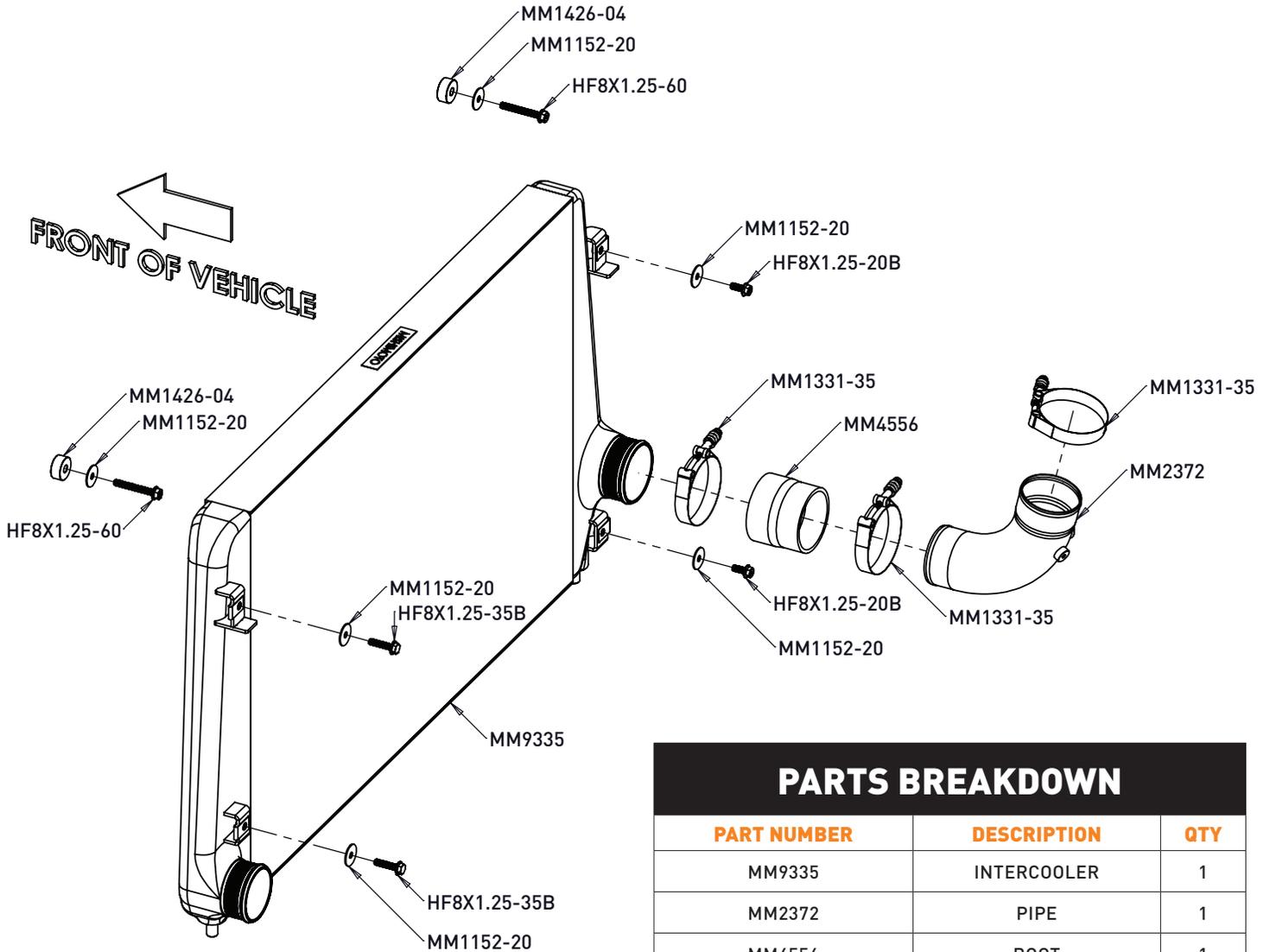
WEBSITE

WWW.MISHIMOTO.COM



ENGINEERING BLOG

WWW.MISHIMOTO.COM/ENGINEERING



PARTS BREAKDOWN

PART NUMBER	DESCRIPTION	QTY
MM9335	INTERCOOLER	1
MM2372	PIPE	1
MM4556	BOOT	1
MM1331-35	CONSTANT TENSION T-BOLT CLAMP	3
MM1426-04	SPACER	2
HF8X1.25-20B	20MM LONG BOLT	2
HF8X1.25-35B	35MM LONG BOLT	2
HF8X1.25-60	60MM LONG BOLT	2
MM1152-20	WASHER	6

IMPORTANT SAFETY INFORMATION

- Mishimoto recommends you use safety glasses and protective gloves during the install of their products
- 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
- If you need any assistance while installing our products, reach out to our Customer Service Team at 1-877-GOMISHI

INSTALLATION TIME **8 HOURS**

INSTALLATION DIFFICULTY

TOOLS NEEDED

T15 TORX BIT	3/8" RATCHET AND EXTENSION
7MM SOCKET	10MM WRENCH
10MM SOCKET	13MM WRENCH
10MM DEEP SOCKET	14MM WRENCH
11MM DEEP SOCKET	FLATHEAD SCREWDRIVER
13MM SOCKET	PICK TOOL
15MM SOCKET	PANEL TOOL
18MM SOCKET	DRAIN PAN
1/4" RATCHET AND EXTENSION	ANGLE GRINDER

INSTALLATION INSTRUCTIONS

1. Remove the driver-side fender flare and fender liner. (17x T15 torx screws, 1x 7mm bolt, 1x 13mm bolt)
2. Remove the passenger-side fender flare and fender liner. (17x T15 torx screws, 1x 7mm bolt, 1x 13mm bolt)
3. Drain the engine coolant.

This is an optional step to reduce the weight of the radiator.



4. Remove the radiator cover. (12x pop clips)

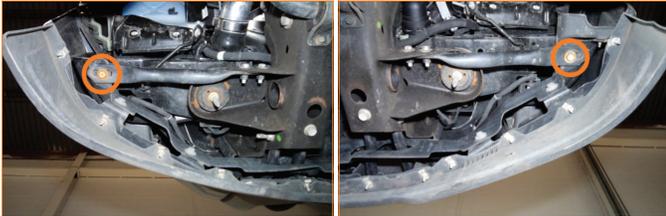


5. Remove the grille. (4x 10mm bolts)



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6. Disconnect the electrical harness from behind the center of the bumper. (1x electrical connector)



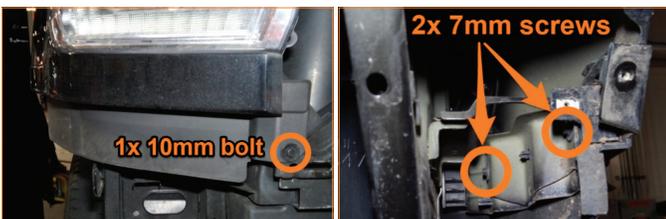
7. Remove the front bumper brace bolts. (2x 15mm bolts)



8. Remove the front bumper bolts, then remove the bumper from the vehicle. (4x 18mm bolts)



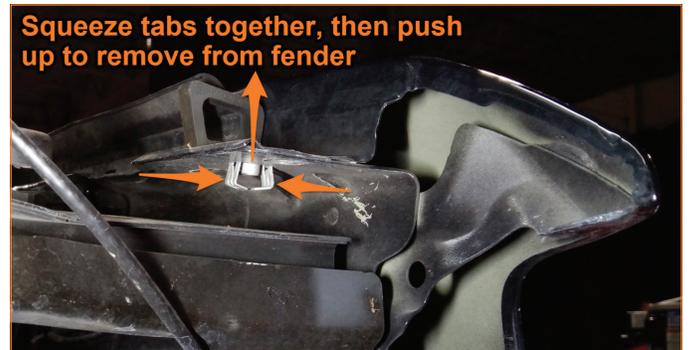
9. Remove the plastic cover in the passenger-side wheel well. (1x pop clip)



10. Remove the front bumper filler panels located below the headlights. (1x 10mm bolt and 2x 7mm screws on each side)



11. Remove the headlights. (4x 10mm bolts and 1x electrical connector on each side)

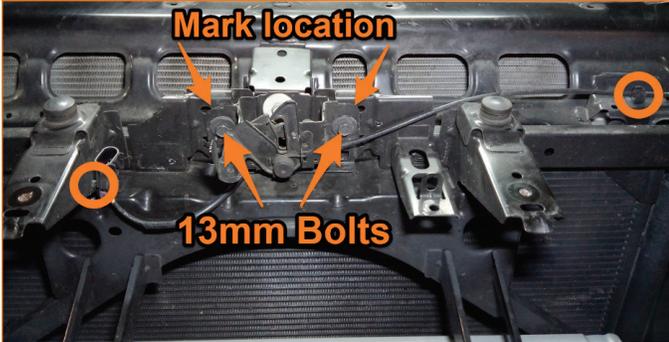


12. Remove the threaded headlight mounting clips from the fenders. (1x mounting clip on each side)

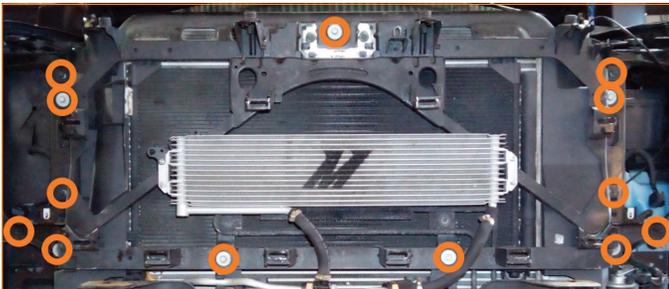


13. Disconnect the temperature sensor and hood latch, then unclip the wire harness from the upper radiator support and grille support. (2x electrical connectors, 5x harness routing tree clips)

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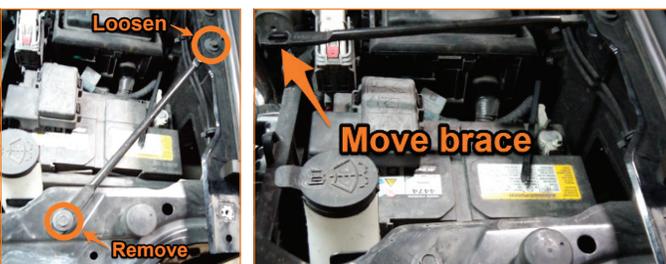
14. Using a marker or scribe, mark the location of the hood latch. Remove the hood latch from the grille support and place it to the side. [2x 13mm bolts, 1x harness tree clip, 1x hood latch cable routing tree clip]



15. Remove the grille support from the vehicle. [7x 13mm bolts, 6x 10mm nuts] ** If you have the Mishimoto transmission cooler kit installed on your vehicle, you'll need to disconnect the hoses from the cooler.**



16. Remove the bolts securing the radiator to the upper core support. [2x 13mm bolts]



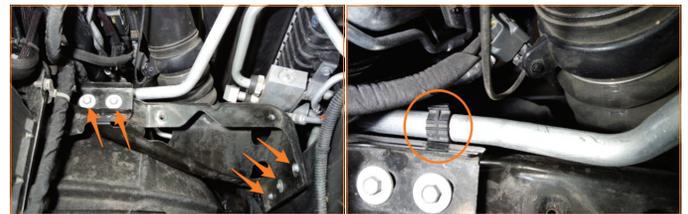
17. Remove the bolt securing the brace to the upper core support and loosen the bolt securing the brace to the driver-side fender. Move the brace away from the upper core support. [2x 10mm bolts]



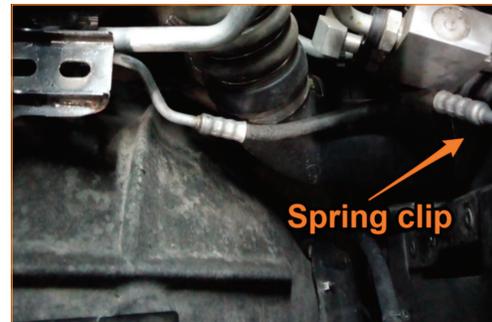
18. Remove the upper core support from the vehicle. [6x 10mm bolts]

The upper A/C condenser mounts will stay attached to the upper core support and will slid off the top of the condenser as the core support is removed.

19. Remove the air intake tube, air box, and air box mounting bracket.



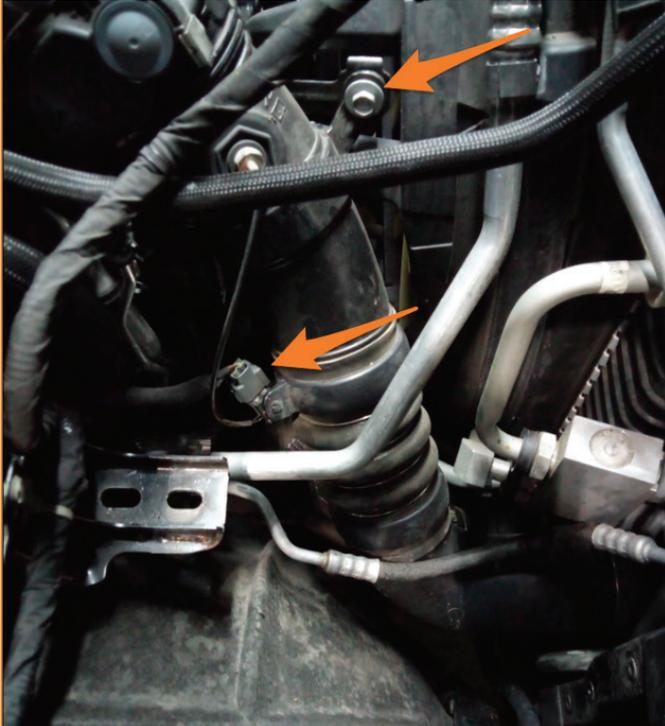
20. Remove the air intake box bracket. [5x 10mm bolts and 1x line routing tree-clip]



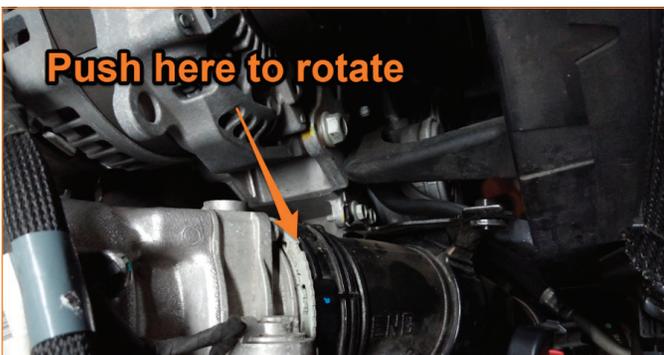
21. Remove the cold-side intercooler pipe from the intercooler. [1x spring clip]

If you have the Mishimoto intercooler piping kit installed on your vehicle, skip to step 27

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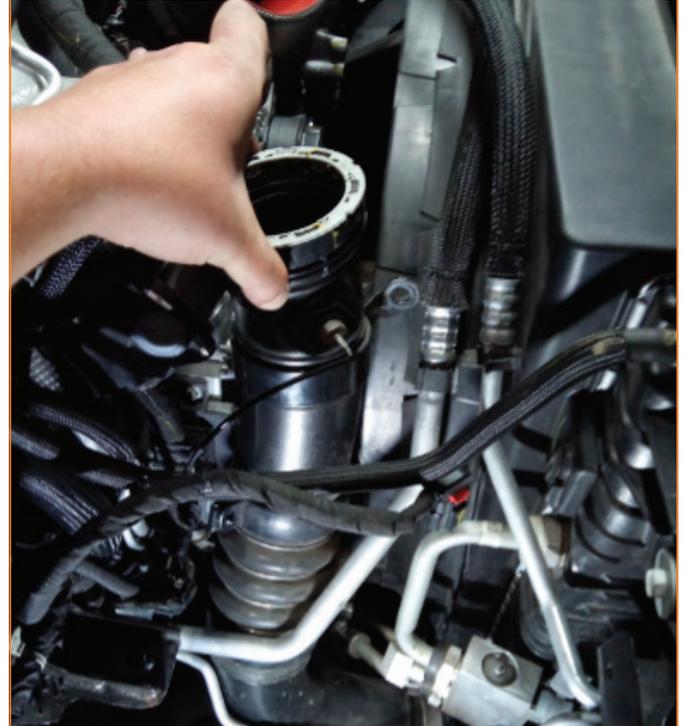


22. Remove the bolt securing the stock cold-side intercooler pipe to the engine and disconnect the air temperature sensor. (1x 13mm bolt and 1x electrical connector)



23. Remove the stock cold-side intercooler pipe from the intake manifold. (1x plastic locking ring)

****Tip – Rotate the plastic locking ring clockwise and then pull downward on the pipe to remove it****



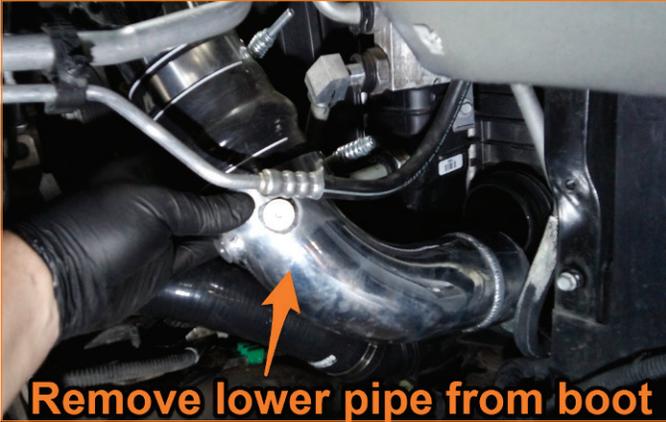
24. Remove the stock cold-side pipe from the vehicle.



25. Cut plastic retaining ring on stock cold-side intercooler pipe lower section and remove the lower section from the boot. Note: Be careful not to cut the boot underneath the plastic retaining ring.

26. Reinstall the stock cold-side intercooler pipe to the intake manifold, reconnect the air temperature sensor, and proceed to step 18. (1x 13mm bolt and 1x electrical connector)

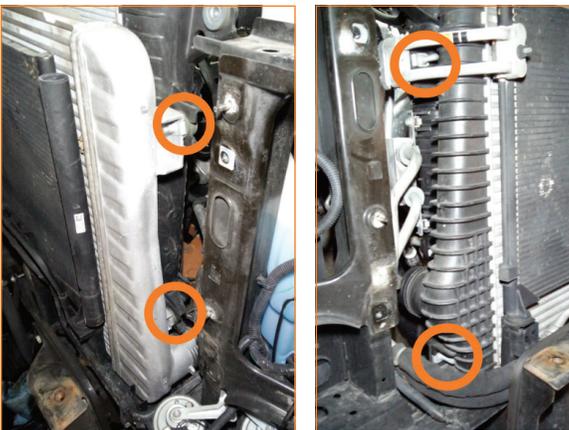
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27. Remove the cold-side intercooler pipe lower section from the vehicle. (1x constant tension T-bolt clamp)



28. Disconnect the hot-side intercooler pipe from the intercooler. (1x constant tension T-bolt clamp)



29. Remove the bolts securing the radiator to the intercooler. (4x 13mm bolts)



30. Remove the grommets from the driver-side brackets on the radiator. (2x grommets)



31. Unseat the A/C condenser from its lower mounts. Lift the A/C condenser up and over the power steering cooler, then place it back down carefully.

32. Lift the radiator up slightly and push it towards the engine, then remove the stock intercooler from the vehicle.



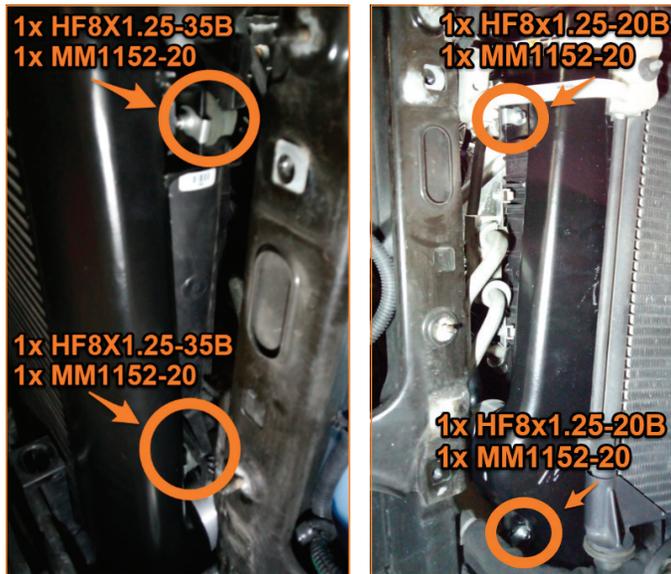
33. Remove the bushings from the bottom pegs on the intercooler and reinstall them into their location on the vehicle. (2x bushings)

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34. Install the Mishimoto intercooler into the vehicle. Push the radiator towards the engine to increase clearance around the intercooler.

35. Reinstall the grommets to the driver-side brackets on the radiator. (2x grommets)

36. Lift the radiator up and pull it towards the intercooler. Set the upper radiator-to-intercooler brackets onto the intercooler brackets.



37. Secure the radiator to the intercooler using the provided bolts and washers. (4x MM1152-20, 2x HF8X1.25-20B, 2X HF8X1.25-35B)

38. Lift the A/C condenser up and over the power steering cooler, then place it back down carefully into its lower mounting points.

39. Reinstall the upper core support to the vehicle. (6x 10mm bolts)

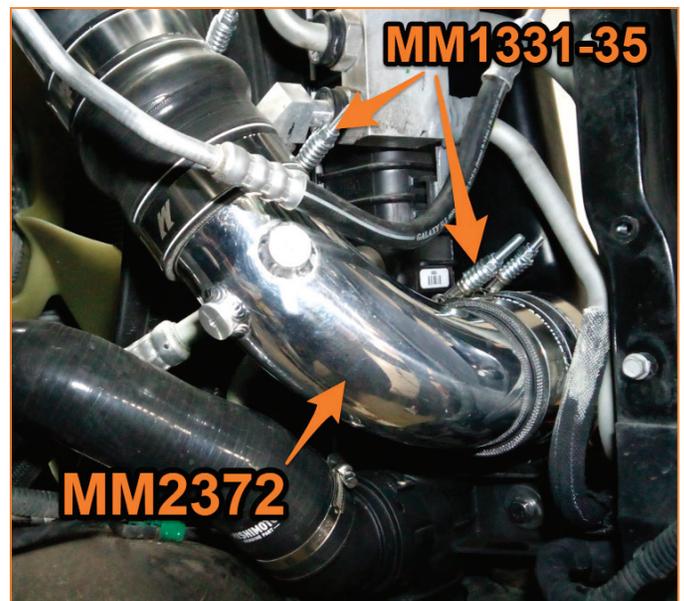
40. Reinstall the brace to the upper core support. (2x 10mm bolts)



41. Using the provided spacers, bolts, and washers, secure the radiator to the upper core support. (2x MM1426-04, 2x MM1152-20, 2x HF8X1.25-60)



42. Connect the larger diameter of the MM4556 boot to the cold-side of the intercooler as shown in the image above. (1x MM4556, 1x MM1331-35 constant tension t-bolt clamp)



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43. Connect the MM2372 pipe to the MM4556 boot and the cold-side intercooler pipe boot (Stock or Mishimoto). (1x MM2372, 2x MM1331-35 constant tension t-bolt clamps)

44. Reconnect the hot-side intercooler pipe. (1x constant tension t-bolt clamp)

45. Reinstall the air intake box bracket. (5x 10mm bolts and 1x line routing tree-clip)

46. Reinstall the air intake tube, air box, and air box mounting bracket.

47. Reinstall the grille support to the vehicle. (7x 13mm bolts, 6x 10mm nuts)

****** If you have the Mishimoto transmission cooler kit, reconnect the transmission cooler lines.******

48. Reinstall the hood latch to the grille support. (2x 13mm bolts, 1x harness tree clip, 1x hood latch cable routing tree clip)

49. Reconnect the temperature sensor and hood latch, then secure the wire harness to the upper radiator support and grille support. (2x electrical connectors, 5x harness routing tree clips)

50. Reinstall the threaded headlight mounting clips to the fenders. (2x mounting clips)

51. Reinstall the headlights. (4x bolts and 1x electrical connector on each side)

52. Reinstall the front bumper filler panels located below the headlights. (1x 10mm bolt and 2x 7mm screws on each side)

53. Reinstall the plastic cover in the passenger side wheel well. (1x pop clip)

54. Reinstall the front bumper. (4x 18mm bolts)

55. Reinstall front bumper brace bolts. (2x 15mm bolts)

56. Reconnect the electrical harness behind the center of the bumper. (1x electrical connector)

57. Reinstall the grille. (4x 10mm bolts)

58. Reinstall the radiator cover. (12x pop clips)

59. Reinstall the driver-side fender flare and fender liner. (17x T15 torx screws, 1x 7mm bolt, 1x 13mm bolt)

60. Reinstall the passenger-side fender flare and fender liner. (17x T15 torx screws, 1x 7mm bolt, 1x 13mm bolt)

61. If you drained your vehicles cooling system, refill and bleed it.

62. If you have the Mishimoto transmission cooler kit installed on your vehicle, check the transmission fluid level, and add fluid as needed.

63. Check the vehicle for any coolant, transmission fluid, and boost leaks.

Congratulations! You have finished your installation.

****For Disposal Instructions and Warranty Information continue to the following page.***

DISPOSAL INSTRUCTIONS

- › Do not dispose of any product as unsorted municipal waste. Use separate collection facilities. Contact your local authority for information regarding the collection systems available.
- › Never improperly dispose of any coolant, oil, or other chemicals.

WARRANTY INFORMATION



- › All claims must be accompanied with a picture of the Mishimoto product showing the issue for which the claim is being submitted.
- › Mishimoto asks that the customer inspect their purchased item for any damage immediately upon arrival.
- › Any product deemed dead on arrival (DOA) must be claimed within 14 business days of delivery. Claims outside of this time frame will not be covered under the Mishimoto Lifetime Warranty.
- › This warranty does not include payment and/or reimbursement of the cost of labor in connection with the removal of any product returned pursuant to the warranty policy or in connection with the installation of any replacement items provided under the warranty policy.
- › Mishimoto has the right to refuse a claim at any time.
- › When Mishimoto accepts a claim, Mishimoto retains full discretion to choose if it will: (i) repair or replace purchaser's original Mishimoto product; (ii) replace purchaser's original Mishimoto product with the most current available model; or (iii) provide the purchaser with a gift card redeemable on Mishimoto.com in the amount of the original purchase price of the original Mishimoto product. The provision of a replacement of a Mishimoto product is subject to availability and Mishimoto retains the right to substitute any warranty claim item with a comparable item or credit at any time.

- › If Mishimoto determines that it will provide a replacement item in connection with a claim under this warranty policy, and such item is out of stock, Mishimoto will place the customer on backorder and ship the replacement product to the purchaser once it becomes available.
- › Mishimoto is not liable for incorrect shipments in connection with a claim if a claim form is completed incorrectly, or if a model number is not included in a claim.
- › If you have a vehicle equipped with an automatic transmission, please make sure to specify this within the text box on the claim form. Mishimoto is not responsible for incorrect replacement shipments if transmission type is not indicated.



WARNING
Cancer and
Reproductive Harm
www.P65Warnings.ca.gov

This product can expose you to chemicals which are known to the state of California to cause cancer. For more information visit: www.p65warnings.ca.gov