



# INSTALLATION GUIDE

Intercooler Kit, Fits 2023+ Honda Civic Type-R  
SKU: MMINT-CTR-23K

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## RESOURCES & CONTACT



**CALL 1.877.466.4744**

CUSTOMER SERVICE HOURS: MON-FRI 9:00AM-7:00PM EST



**@MISHIMOTO**



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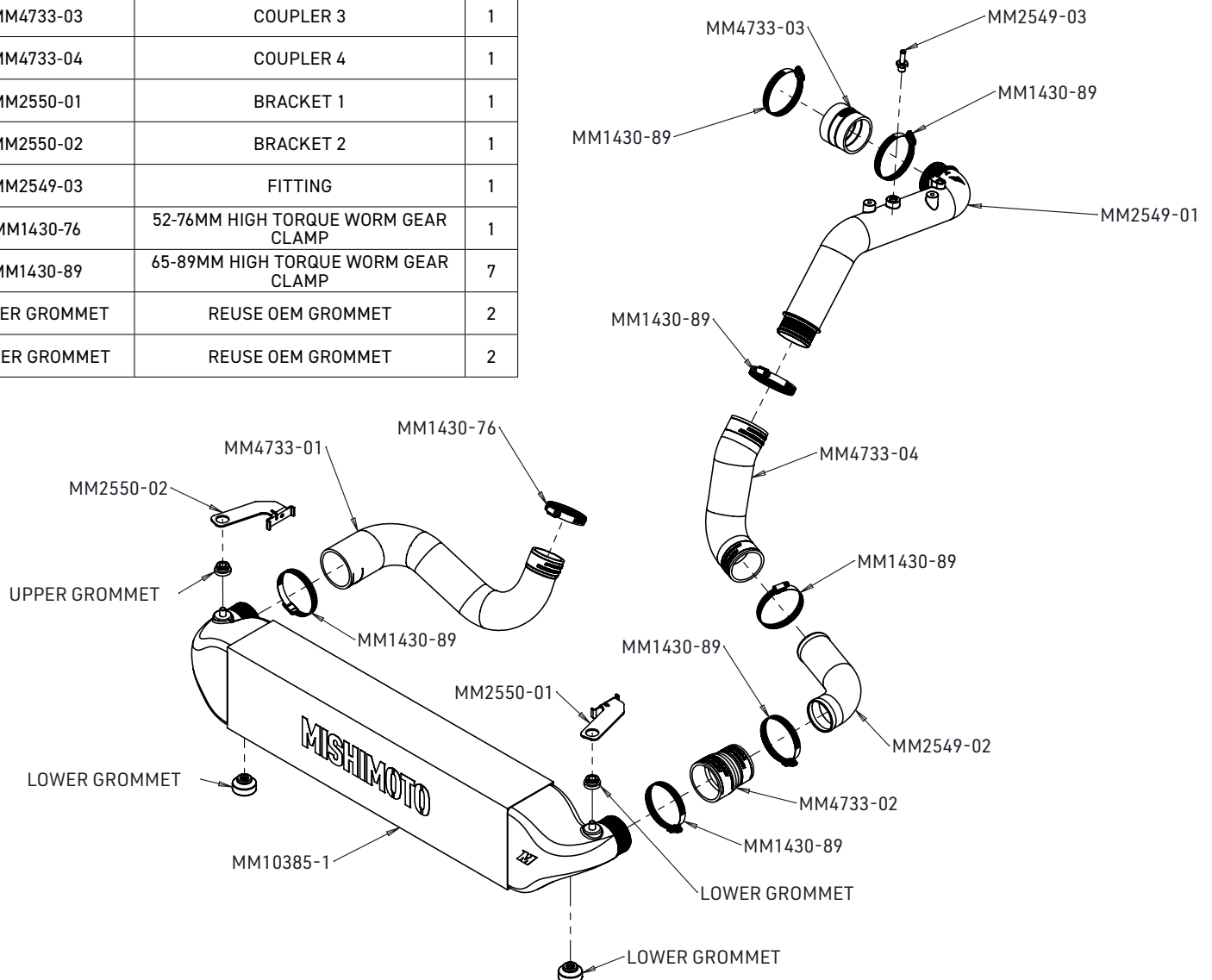


**ENGINEERING BLOG**

[WWW.MISHIMOTO.COM/ENGINEERING](http://WWW.MISHIMOTO.COM/ENGINEERING)

## PARTS BREAKDOWN

PART NUMBER	DESCRIPTION	QTY
MM10385-1	INTERCOOLER	1
MM2549-01	PIPE 1	1
MM2549-02	PIPE 2	1
MM4733-01	COUPLER 1	1
MM4733-02	COUPLER 2	1
MM4733-03	COUPLER 3	1
MM4733-04	COUPLER 4	1
MM2550-01	BRACKET 1	1
MM2550-02	BRACKET 2	1
MM2549-03	FITTING	1
MM1430-76	52-76MM HIGH TORQUE WORM GEAR CLAMP	1
MM1430-89	65-89MM HIGH TORQUE WORM GEAR CLAMP	7
UPPER GROMMET	REUSE OEM GROMMET	2
LOWER GROMMET	REUSE OEM GROMMET	2



## IMPORTANT SAFETY INFORMATION

- › Mishimoto recommends you use safety glasses and protective gloves during the installation of our 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 1.877.466.4744

## SUPPLIED PARTS

- |   |                                   |
|---|-----------------------------------|
| (1X) INTERCOOLER                          | (3X) SILICONE COUPLERS            |
| (1X) CAST ALUMINUM COLD-SIDE PIPE         | (7X) HIGH-TORQUE WORM GEAR CLAMPS |
| (1X) MANDREL-BENT ALUMINUM COLD-SIDE PIPE | (2X) MOUNTING BRACKETS            |

## REQUIRED TOOLS

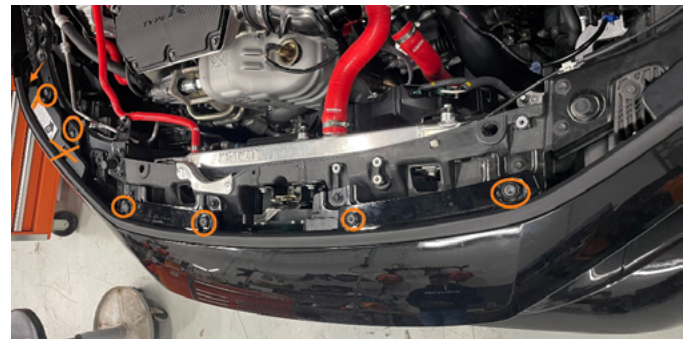
- |                        |   |
|------------------------|---|
| 5.5MM SOCKET           | POWER DRILL                               |
| 8MM SOCKET             | SILICONE GREASE (OPTIONAL)                |
| 10MM SOCKET            | PHILLIPS SCREWDRIVER                      |
| 12MM SOCKET            | PLASTIC TRIM PANEL REMOVAL TOOLS          |
| 14MM SOCKET            | 1/4" OR 3/8" DRIVE RATCHET AND EXTENSIONS |
| 19MM WRENCH            |   |
| 5/16" OR 8MM DRILL BIT |   |
| PLIERS                 |   |
| CUTTERS                |   |

**INSTALL TIME: 3.5 HOURS**

**INSTALL DIFFICULTY:** 

## INSTALLATION INSTRUCTIONS

- 1.** Allow the vehicle to cool completely. Raise the vehicle on a lift or jack stands.
- 2.** Remove the ten push clips that secure the top of the bumper to the vehicle. There are two small clips underneath the weather stripping on each side as shown. The clip covered by an X does not need to be removed.

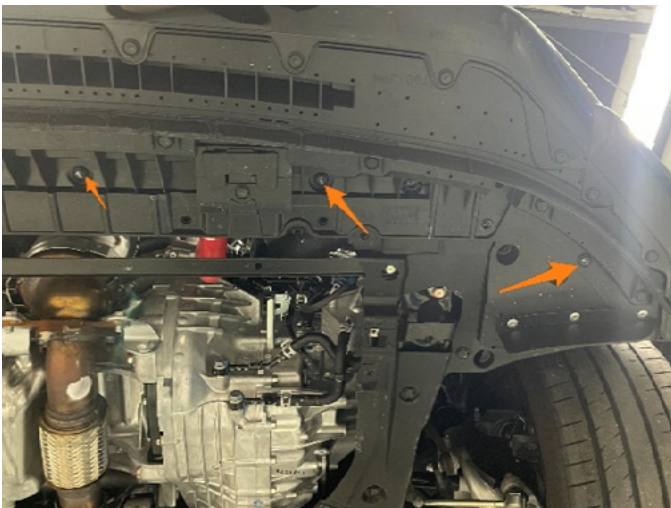


- 3.** Remove the four push clips, four Phillips head screws (two black screws near the front and two silver screws near the rear), and four quarter turn flat head fasteners and remove the vehicle undertray.



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4. Remove the six 10mm bolts securing the bottom of the bumper to the vehicle. Then remove the Phillips head screw and the remaining seven pop clips. Only the pop clips that have arrows need to be removed.



5. In the front of the passenger side wheel well, remove the three Phillips head screws and the push clip. Repeat for the driver's side.



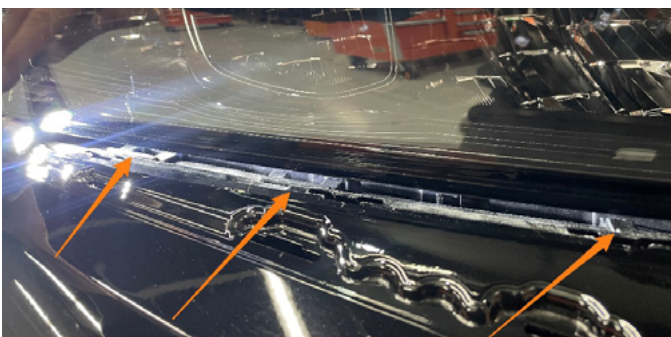
6. With a plastic trim tool, carefully pry up on the trim piece underneath the headlight and remove it from the vehicle. Repeat on the other side.



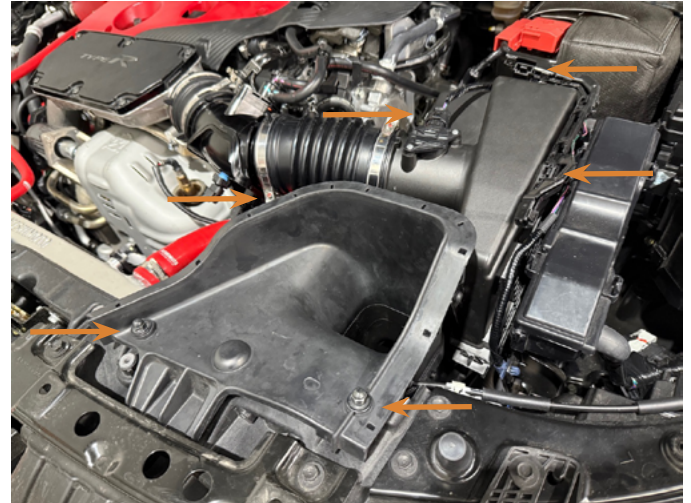
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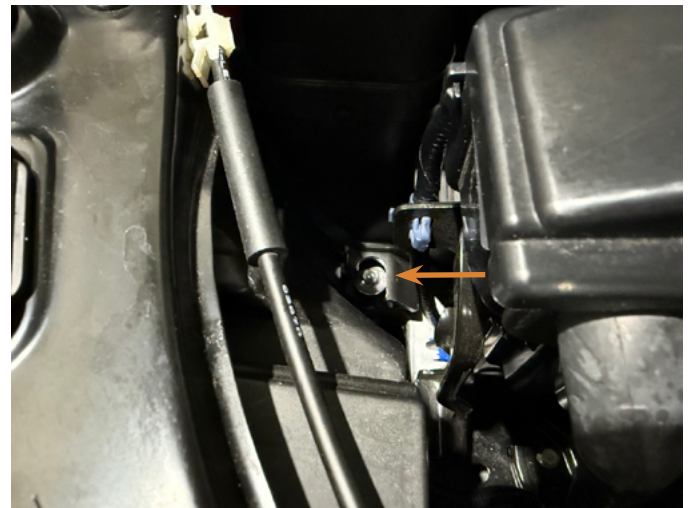
**7.** Apply painter's tape to the bumper, fender, and headlight where they meet to prevent them from touching and scratching while the bumper is being removed and re-installed. Then, pry the bumper away from the fender starting from the outside, both next to the headlight and on top of the headlight. Then, using a trim removal tool, pry up on the tabs underneath the headlight, starting on the outside, and moving towards the center of the vehicle. Repeat on the other side and the bumper should be free to remove from the vehicle. This step may require a second person to ensure the bumper doesn't fall off the vehicle and become damaged.



**8.** Remove the two bolts from the air intake, disconnect the MAF sensor connector and loosen the indicated clamp. Unclip the MAF sensor wiring harness from the airbox by pressing the two tabs where it connects to the airbox.



**9.** Loosen the bolt holding the front of the airbox in place.

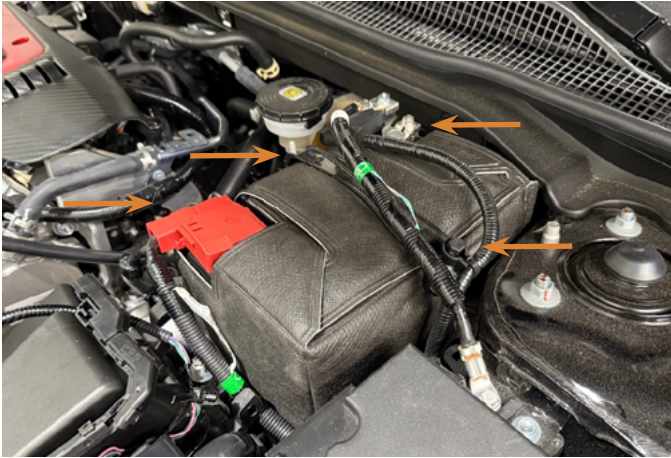


**10.** Remove the bolt holding the rear of the airbox in place and remove the intake assembly.

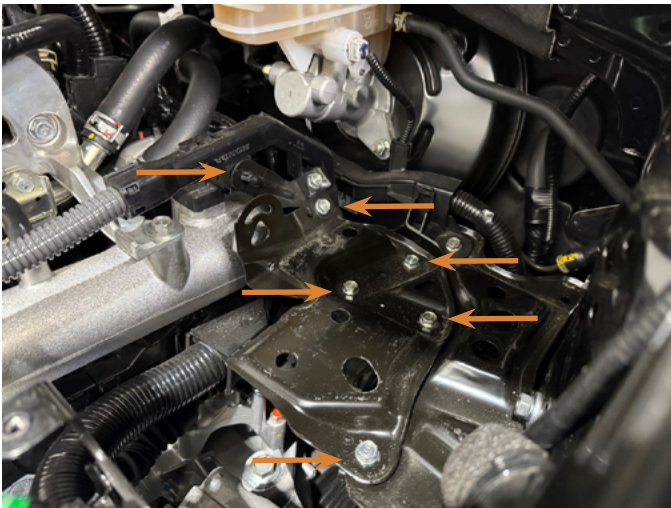


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**11.** Disconnect each of the battery terminals and remove the battery strap. Once the battery has been disconnected, and the battery strap removed, remove the battery and the battery tray. The battery tray can be removed by simply lifting it up out of place.



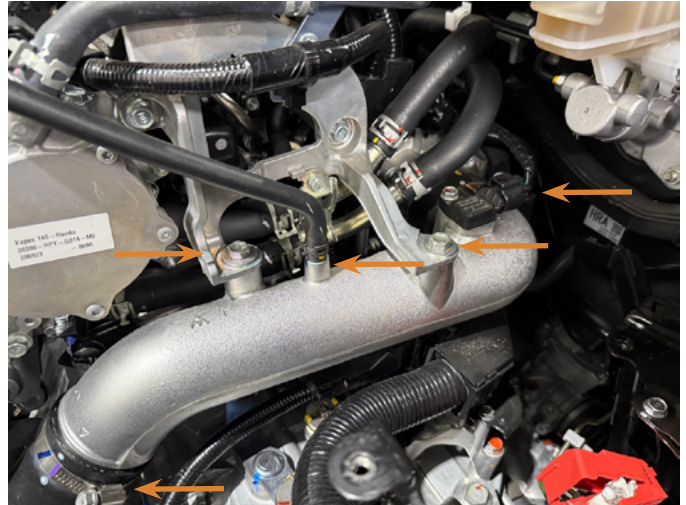
**12.** Remove the four bolts holding down the battery support bracket as well as the bolt and clip connecting the wire harness to the support bracket. Remove the battery support bracket.



**13.** Loosen the worm gear clamp holding the cast cold-side pipe to the throttle body.



**14.** Disconnect the MAP sensor connector and vacuum line on the cast cold-side pipe. Loosen the worm gear clamp connecting the coupler and cold-side pipe. Remove the two bolts that secure the cold-side pipe to the bracket and remove the cold-side pipe.



**15.** Remove the two bolts securing the bracket that runs across both sides of the vehicle.



**15.** Loosen the worm gear clamp holding the coupler to the turbocharger and disconnect the coupler from the turbocharger.



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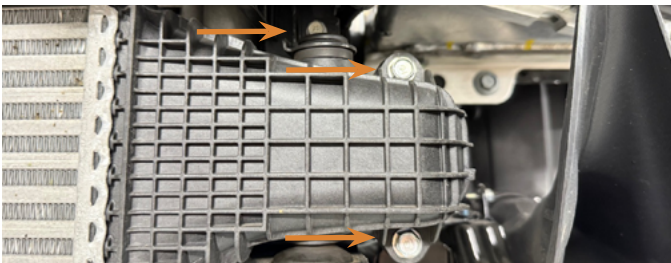
16. Unclip the ambient air temperature sensor.



17. Remove the two bolts connecting the intercooler to the hot-side piping and the bolt that secures the mounting bracket to the vehicle chassis.



18. Remove the two bolts connecting the intercooler to the cold-side piping and the bolt that secures the mounting bracket to the vehicle chassis. Make sure to support the intercooler when removing the final bolt as the intercooler could tilt forward and fall. Once the bolts securing the intercooler have been removed, remove the intercooler.



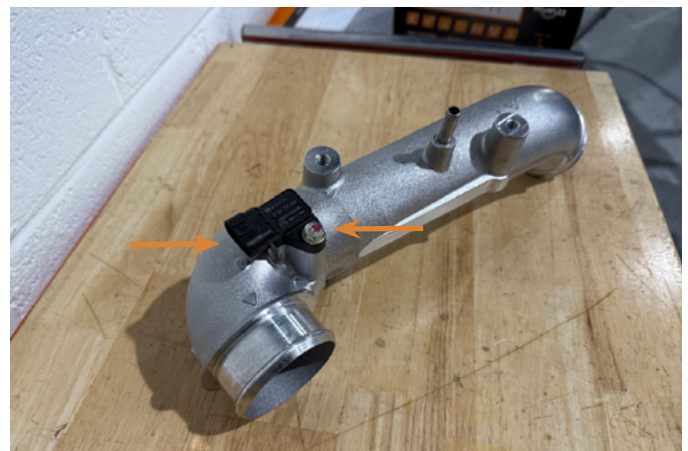
19. Remove the bolt securing the hot-side piping in place and then remove the hot-side piping along with the attached coupler.



20. Remove the bolt securing the cold-side piping in place and then remove the cold-side piping along with the attached coupler.

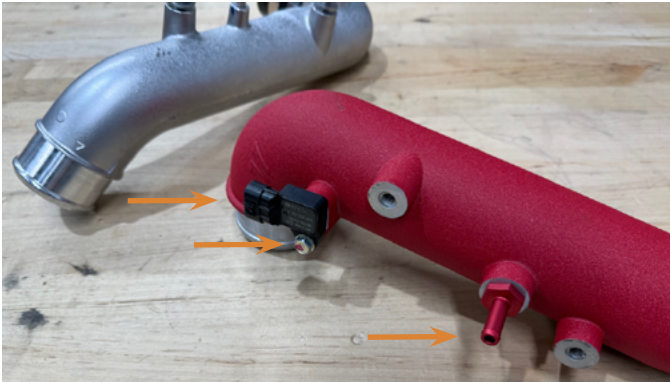


21. Remove the bolt securing the MAP sensor in place, then remove the MAP sensor from the stock cast cold-side pipe.



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**22.** Install the MAP sensor along with the bolt onto the Mishimoto cast cold-side pipe. Also, assemble the vacuum port onto the Mishimoto cast cold-side pipe.



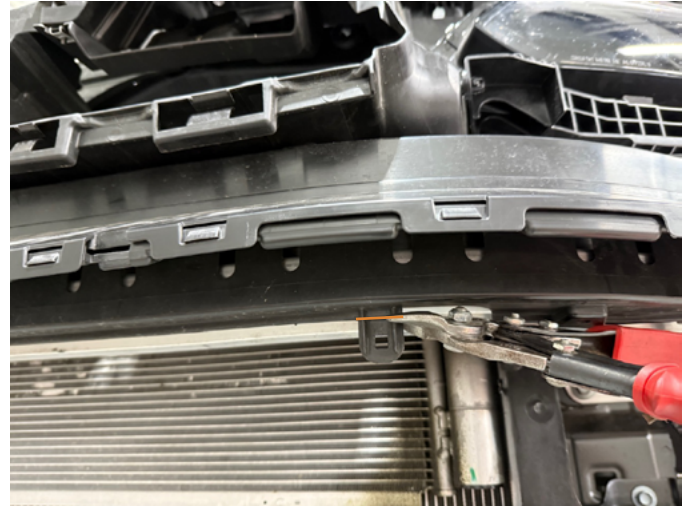
**23.** Remove the grommets from each of the stock intercooler mounts.



**24.** Install the grommets removed in the previous step onto the Mishimoto intercooler mounting brackets as shown. Note the orientation of the flat side of the grommets.



**25.** Trim the ambient air sensor bracket.



**26.** Drill a hole in the bumper trim piece using a 5/16" or 8mm drill bit in a suitable location for remounting the ambient air temperature sensor.

The hole should be in a place that the sensor is able to reach. You do not need to drill through both layers of the trim piece.

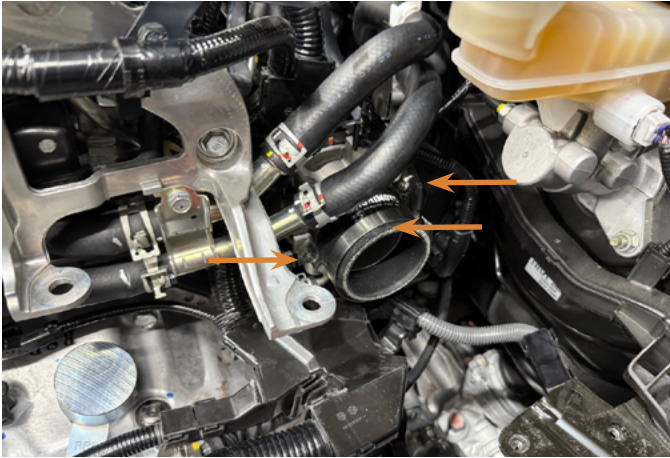


**27.** Reinstall the ambient air temperature sensor into the newly drilled hole.

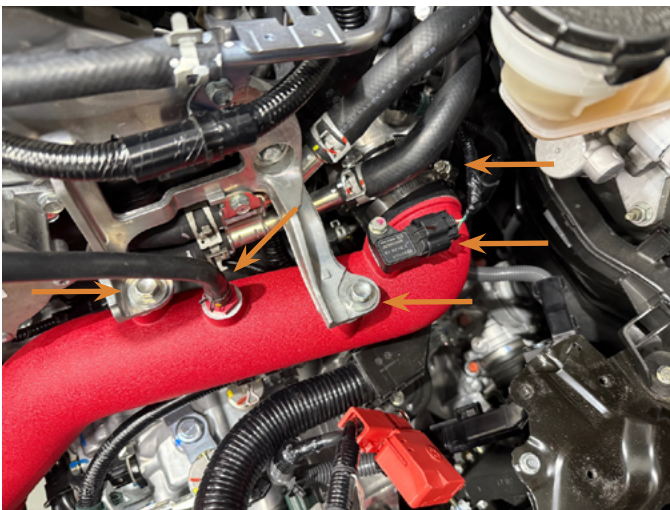


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**28.** Install the Mishimoto throttle body coupler onto the throttle body, making sure that the side labeled "THROTTLE BODY" is on the throttle body side. Install two worm gear clamps, tightening the throttle body clamp but leaving the other loose.



**29.** Install the Mishimoto cast cold-side pipe. Tighten down the two bolts securing the pipe to the mounting bracket. Re-attach the vacuum hose and MAP sensor connectors. Also, tighten down the throttle body coupler worm gear clamps.



**30.** Obtain three worm gear clamps, the cold-side couplers, and the cold-side bent pipe.

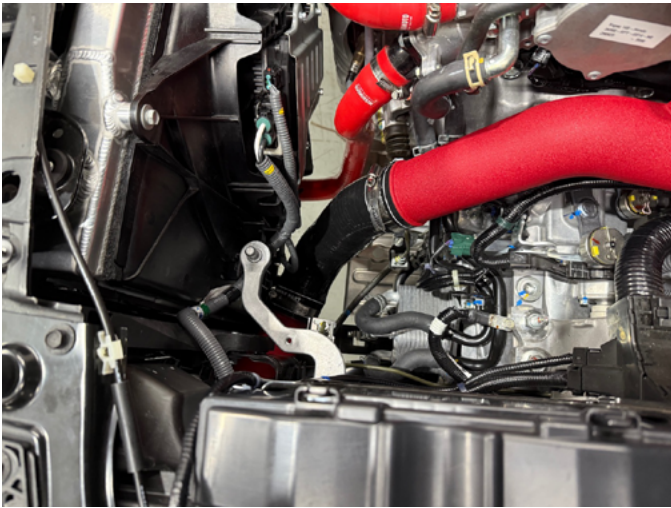


**31.** Assemble the cold-side pipe and couplers outside of the vehicle as shown above, paying attention to the direction of the arrow on the coupler (which indicates the direction of airflow through the coupler) and which side of the intercooler couple is labeled "INTERCOOLER". Keep in mind the rough orientation of the piping and make sure not to fully tighten the clamps as this will allow you to adjust the orientation of the piping.

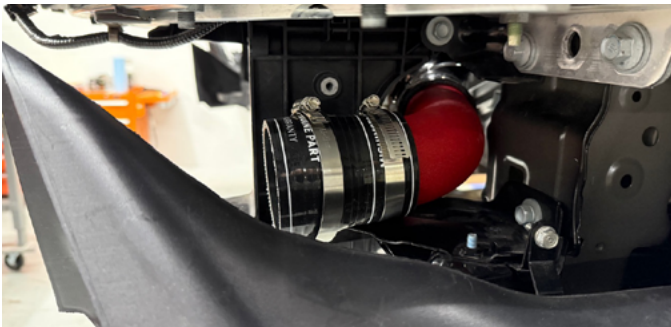


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**32.** Install the cold-side couplers and pipe onto the vehicle. It is recommended to leave the worm gear clamps loose enough to allow for some adjustment if necessary.



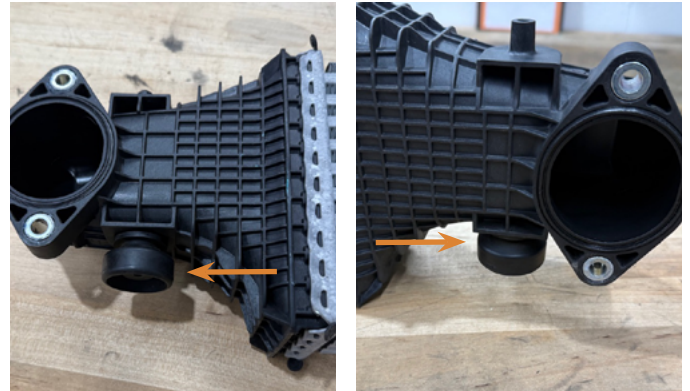
**33.** Place the hot-side coupler in place with the small worm gear clamp loosely installed on the turbocharger side and a larger worm gear clamp placed over the other side of the coupler.



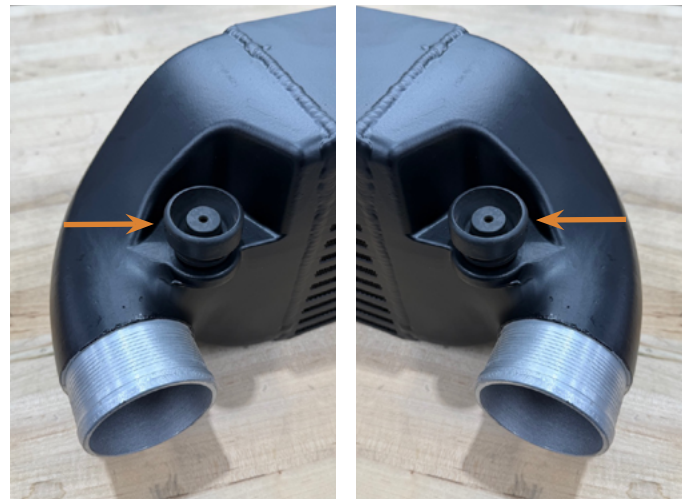
**34.** When the hot-side and cold-side pipes and couplers are installed, they should look like this. Silicone grease or a similar lubricant can be applied to the inside of the couplers to make installation of the intercooler easier.



**35.** Remove both lower grommets from the stock intercooler.



**36.** Install the grommets removed from the stock intercooler onto the Mishimoto intercooler.

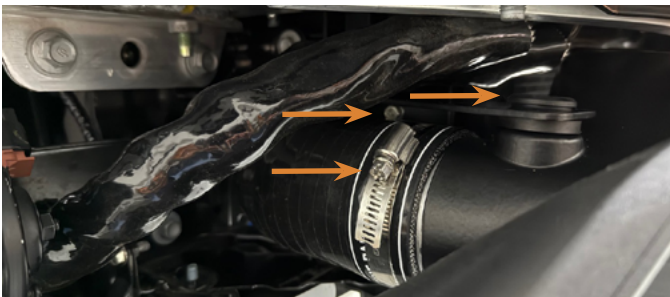


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**37.** Install the Mishimoto intercooler, tighten the worm gear clamps and install the driver side intercooler mounting bracket (labeled with an "L") utilizing the stock bracket bolt.



**38.** Tighten the passenger side intercooler worm gear clamp and install the appropriate bracket (labeled with an "R") utilizing the stock mounting bolt.



**39.** Attach the hot-side intercooler coupler to the turbocharger and tighten the worm gear clamp.



**40.** Check that there are no kinks in any of the intercooler couplers and then tighten all the worm gear clamps that were previously left loose.

**41.** Reinstall the air intake assembly.

**42.** Reinstall the crossbar and skid plate piece.

**43.** Remove the four screws and both intercooler ducts from the front bumper.



**44.** You can optionally trim the four ducting mounting posts once the ducting has been removed. If these are left untrimmed, they will mark the finish of the intercooler but will not affect the intercooler durability or functionality.



**45.** Reinstall the front bumper.



**46.** Reinstall the battery bracket, tray and battery.

**Congratulations!** The installation is now complete.

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## 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](https://www.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.



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Reproductive Harm  
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- › 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](https://www.p65warnings.ca.gov)