



INSTALLATION GUIDE

2022–2024 Subaru WRX Performance Top-Mount Intercooler Kit

SKU: MMTMIC-WRX-22KSLRD, MMTMIC-WRX-22KSLBK, MMTMIC-WRX-22KBKRD, MMTMIC-WRX-22KBKKBK

TABLE OF CONTENTS

- Pg 1** RESOURCES AND CONTACT INFORMATION
- Pg 2** EXPLODED VIEW & PARTS INCLUDED
- Pg 3** IMPORTANT SAFETY INFORMATION
REQUIRED TOOLS
INSTALLATION INSTRUCTIONS
- Pg 8** DISPOSAL INSTRUCTIONS
WARRANTY INFORMATION

RESOURCES & CONTACT



CALL 1-877-GOMISHI

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



MISHIMOTO



GOMISHIMOTO



MISHIMOTO



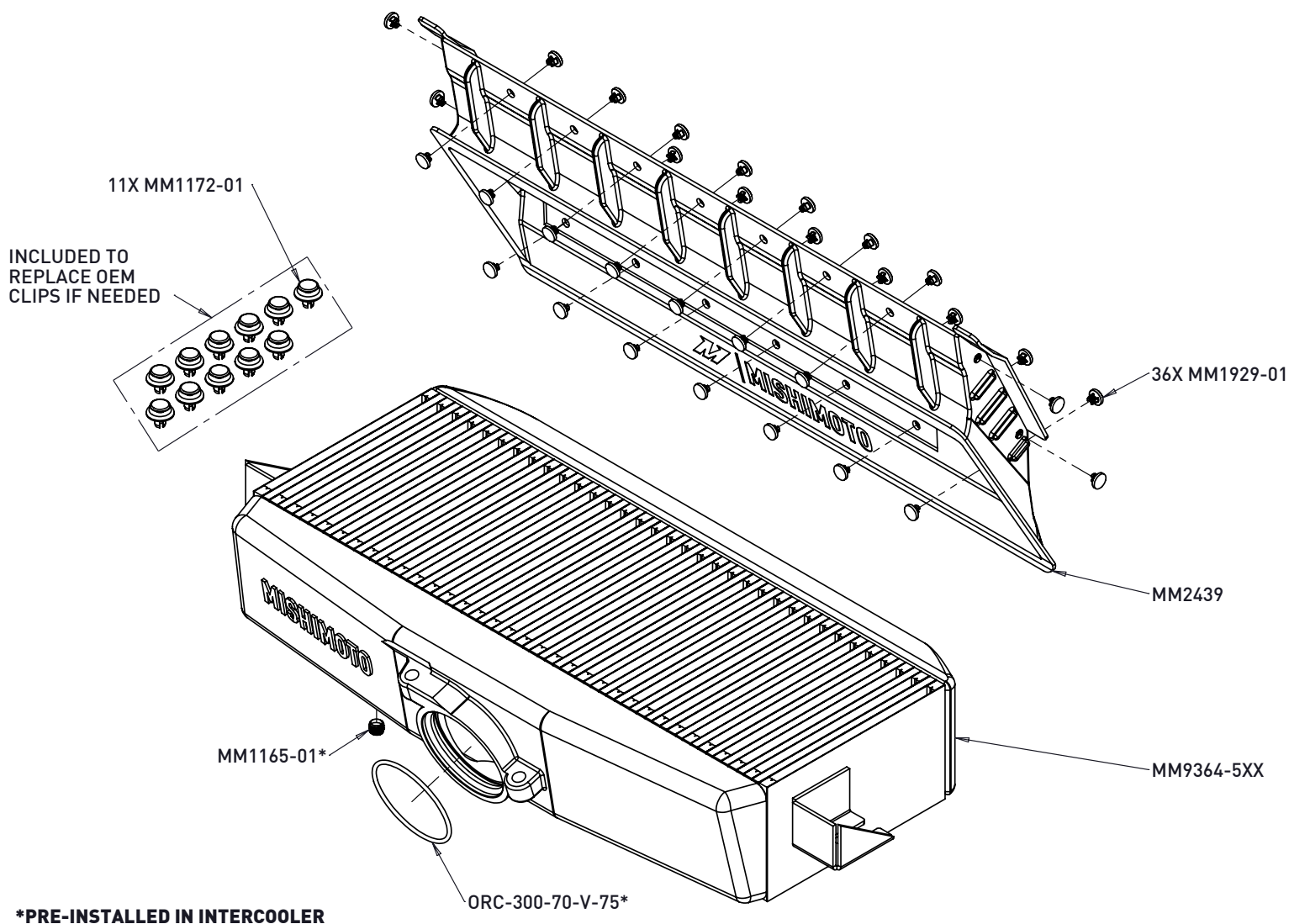
WEBSITE

WWW.MISHIMOTO.COM



ENGINEERING BLOG

WWW.MISHIMOTO.COM/ENGINEERING



PARTS BREAKDOWN

PART NUMBER	DESCRIPTION	QTY
MM9364-5XX	INTERCOOLER	1
MM2439	SHROUD	1
MM1165-01	1/8" NPT PLUG	1
ORC-300-70-V-75	O-RING	1
MM1929-01	PLASTIC RIVETS	36
MM1172-01	PUSH-ON PANEL CLIP	11

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-GOMISHI

REQUIRED TOOLS

SOCKET DRIVER	SOCKET EXTENSION
8MM SOCKET	FLATHEAD SCREWDRIVER
10MM SOCKET	PICK TOOL
12MM SOCKET	

INSTALL TIME: 1 HOUR

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.



BEFORE

AFTER

INSTALLATION INSTRUCTIONS

01. Using a 12mm socket, remove the four (4) bolts securing the intercooler to the vehicle.

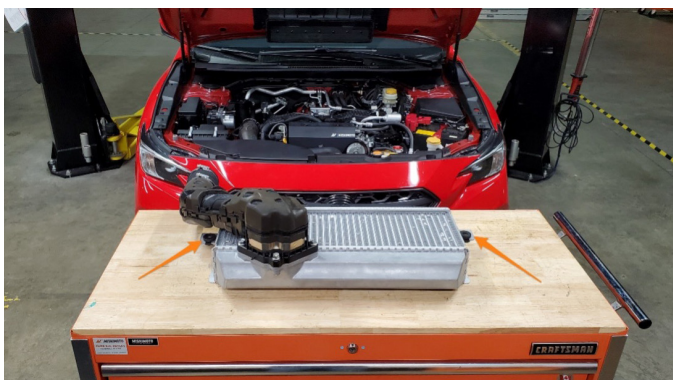


02. Using a flathead screwdriver, release the spring clip that secures the two (2) sections of the charge pipe. Remove the stock intercooler from the vehicle.



Continued on next page

03. Remove the two (2) rubber grommets from the brackets on the stock intercooler and install them into the brackets on the Mishimoto intercooler.



04. Using a 12mm socket, remove the three (3) bolts securing the charge pipe to the stock intercooler. Inspect the stock gasket in the charge pipe for damage. If the gasket is in good condition, it may be reused. If the gasket is damaged, it should be replaced with a new one (OEM part number 21896AA150).



05. Using a 12mm socket, install the stock charge pipe onto the Mishimoto intercooler with the three (3) bolts that were removed in Step 4. Tighten the bolts in the sequence shown below to 16Nm (11.8lb-ft).



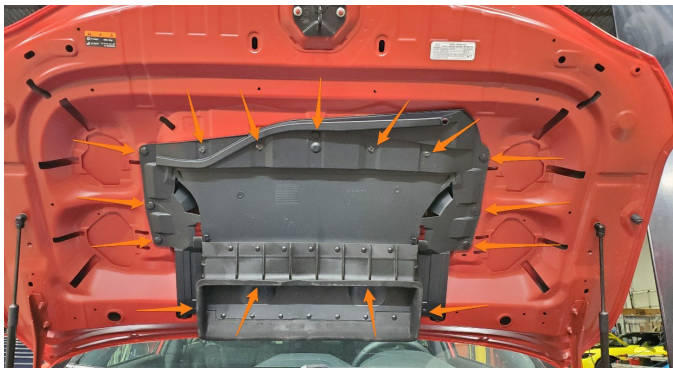
06. Depress the spring clip that was disengaged in Step 2. Place the Mishimoto intercooler into position on the vehicle. Reconnect the charge pipe by pushing the section attached to the intercooler into the section attached to the engine until the spring clip clips into place. Then, using a

Continued on next page

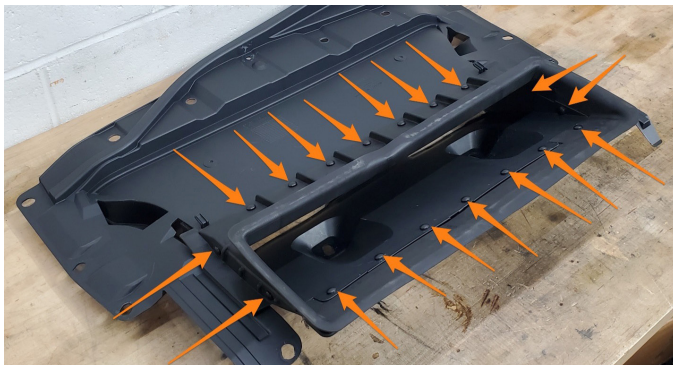
12mm socket, install the Mishimoto intercooler onto the vehicle with the four (4) bolts removed in step 1 and tighten to 16Nm (11.8lb-ft).



07. Using an 8mm socket and a flathead screwdriver (or pop clip removal tool), remove the four (4) bolts and eleven (11) pop clips that secure the intercooler shroud to the hood and remove the shroud from the vehicle. Replacement pop clips are included if any are broken or lost during removal.



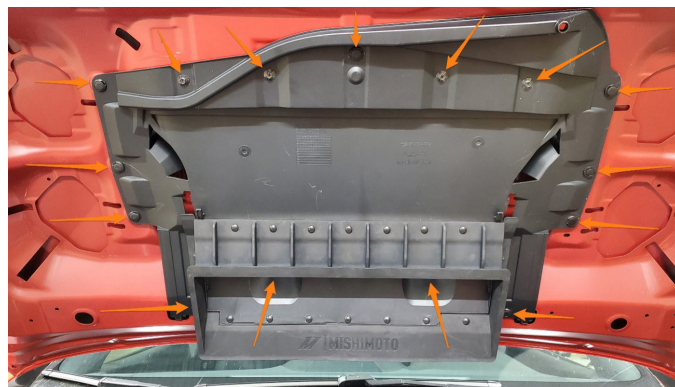
08. Remove the rubber part of the shroud from the plastic part by removing the 18 plastic rivets. The OEM rivets may need to be cut to be removed.



09. Install the included rubber Mishimoto intercooler shroud onto the plastic part of the stock shroud and secure it with the eighteen (18) supplied pairs of plastic rivets.



10. Using an 8mm socket and the four (4) bolts and eleven (11) pop clips that were removed in Step 7 (or the supplied replacement pop clips, if needed), install the shroud assembly back onto the hood.



11. Using a flathead screwdriver (or pop clip removal tool), remove the two (2) pop clips securing the air duct to the front bumper and remove the air duct from the vehicle.



12. Using a 10mm socket, remove the two (2) bolts securing the passenger side section of the fan shroud to the radiator. Next, disconnect the three (3) electrical connectors between the two (2) sections of the fan shroud. Remove the passenger side section of the fan shroud from the vehicle.



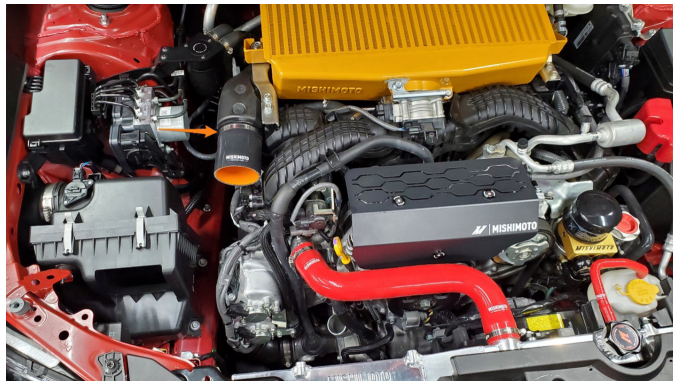
13. Using a 12mm socket, remove the bolt securing the stock charge pipe to the engine. Then, using a flathead screwdriver or pick tool, disengage the spring clip at each end of the stock charge pipe and remove the charge pipe from the vehicle.



14. Using a flathead screwdriver, loosen the clamp securing the stock coupler to the intercooler pipe and remove the coupler and clamp from the vehicle.

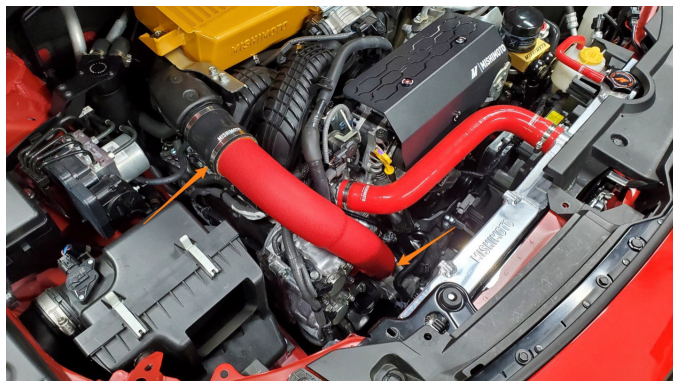


15. Install the smaller end of the supplied coupler onto the stock intercooler pipe and secure it with the supplied 60-80mm worm gear clamp. Slide the supplied 70-90mm worm gear clamp (not pictured) onto the other end of the Mishimoto coupler.

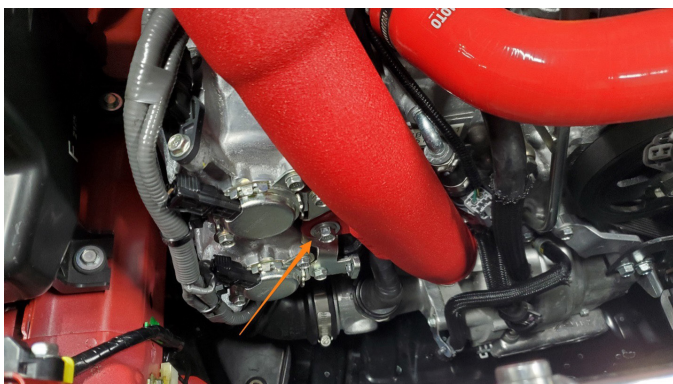


16. Install the lower end of the Mishimoto charge pipe onto the turbo outlet until the spring clip snaps into place. Applying a light coating of clean motor oil to the outside of the turbo outlet and inside of the charge pipe will aid in installation. Install the upper end of the Mishimoto charge pipe into the Mishimoto coupler and secure it with the 70-90mm worm gear clamp. The four (4) bolts securing the intercooler to the engine may be removed so the intercooler can be slid backward if additional space is needed to insert the charge pipe into the coupler.

Note: If the intercooler was removed, reinstall it in its original position once the charge pipe has been installed into the coupler and reinstall the four (4) bolts. Torque the intercooler bolts to 16 Nm (11.8 lb-ft).



17. Using a 12mm socket, secure the Mishimoto charge pipe to the engine using the supplied washer and the bolt that was removed in Step 3.



18. Reinstall the fan shroud and secure it with the two (2) bolts that were removed in Step 2. Reconnect the three (3) electrical connectors between the two (2) sections of the fan shroud. Reinstall the air duct and secure it with the two (2) pop clips that were removed in Step 1.



19. Please place the included CARB EO sticker in a clean, visible location.
CARB EO label is required to aid inspection of the vehicle under the California Smog Check Program.

NOTE: Any sensors installed in any port(s) shall have a fitting of 1/8-inch NPT and shall not be connected to the vehicle's electronic control units. In addition, stock sensors that are equipped on the vehicle shall not be relocated to the port(s). The port(s), when not used, should be closed off with the supplied plug(s).

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.



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