



INSTALLATION GUIDE

Performance Intercooler Charge Pipes, Fits 2024+ Ford Mustang 2.3L EcoBoost
SKU: MMICP-MUS4-24

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RESOURCES & CONTACT



CALL 1.877.466.4744

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



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ENGINEERING BLOG

WWW.MISHIMOTO.COM/ENGINEERING

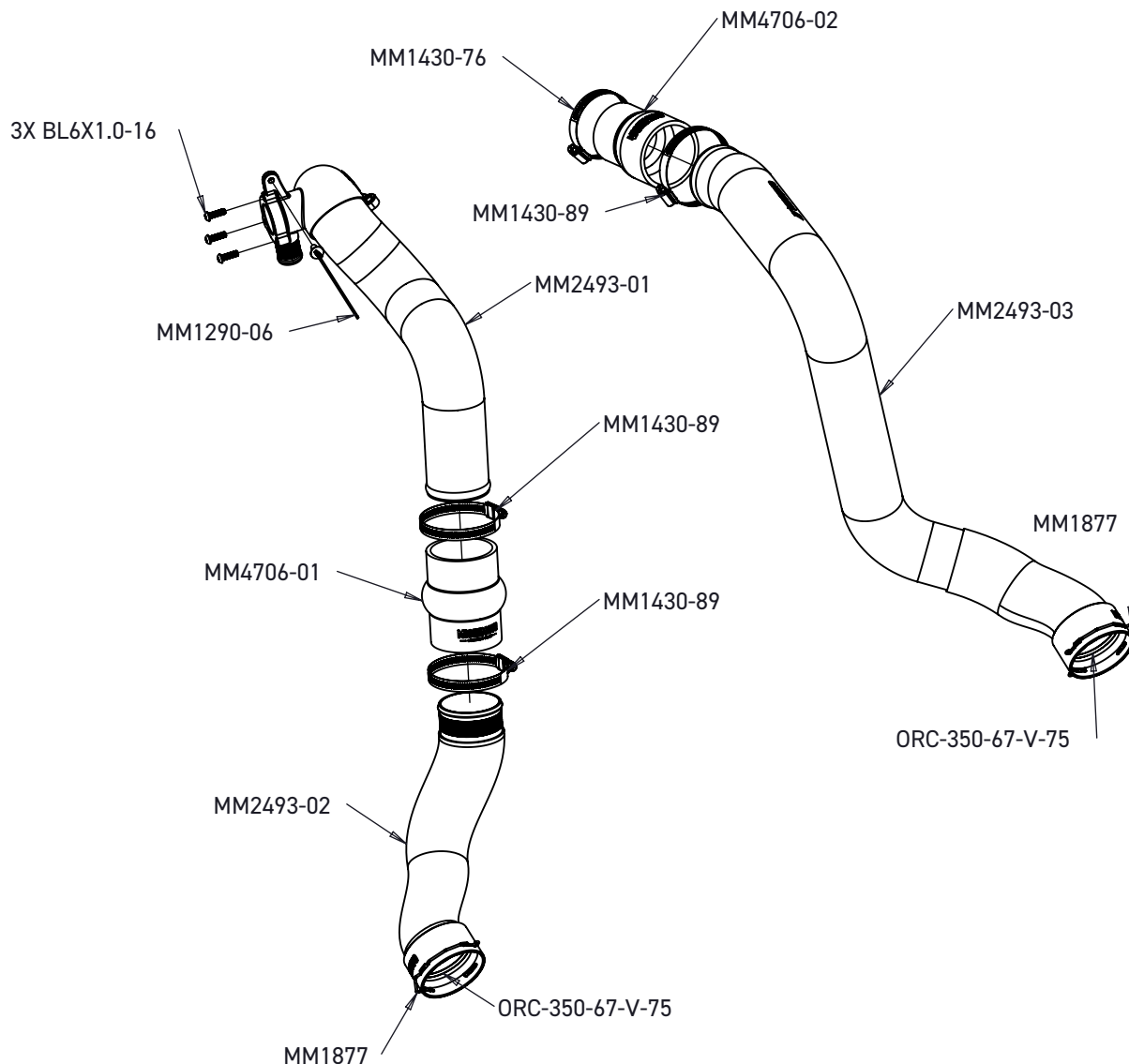


PARTS BREAKDOWN

PART NUMBER	DESCRIPTION	QTY
MM2493-01	HOT SIDE PIPE ASSEMBLY 1	1
MM2493-02	HOT SIDE SECTION 2	1
MM2493-03	COLD SIDE PIPE ASSEMBLY	1
MM1877	SPRING CLIP	2
MM4706-01	COUPLER 1	1
MM4706-02	COUPLER 2	1

PARTS BREAKDOWN

PART NUMBER	DESCRIPTION	QTY
MM1430-89	65-89MM HIGH TORQUE WORM GEAR CLAMP	3
MM1430-76	52-76MM HIGH TORQUE WORM GEAR CLAMP	1
BL6X1.0-16	BUTTON HEAD LOCKING BOLT	3
MM1290-06	TREE CLIP ZIP TIE	1
ORC-350-67-V-75	O-RING	2



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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

4MM SOCKET	T25 TORX SOCKET
5.5MM SOCKET	RATCHET WRENCH
7MM SOCKET	10MM WRENCH
8MM SOCKET	POP CLIP TOOL
10MM SOCKET	

SUPPLIED PARTS

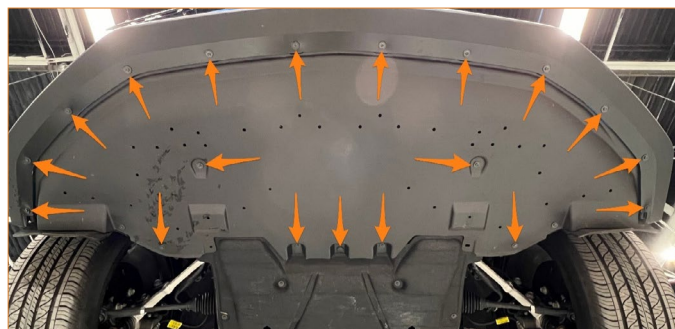
- (1X) HOT SIDE INTERCOOLER PIPE 1
- (1X) HOT SIDE INTERCOOLER PIPE 2
- (1X) COLD SIDE INTERCOOLER PIPE
- (2X) SILICONE COUPLERS
- (3X) 89MM WORM GEAR CLAMPS
- (1X) 76MM WORM GEAR CLAMPS
- (3X) M6X16 BOLTS
- (1X) TREE CLIP ZIP TIE

INSTALL TIME: 3 HOURS

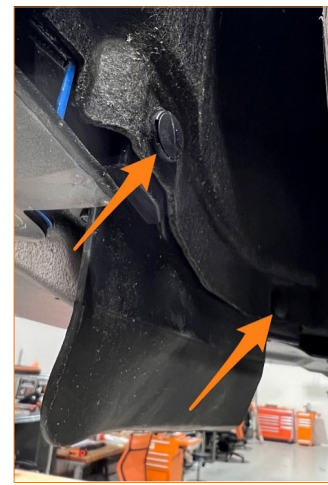
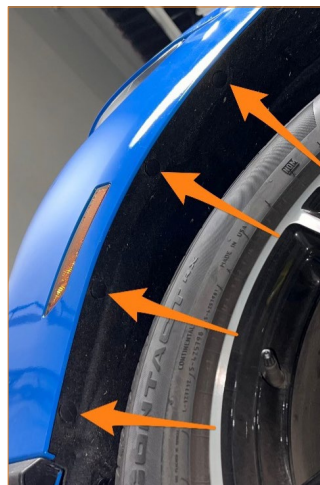
INSTALL DIFFICULTY:     

INSTALLATION INSTRUCTIONS

1. Raise the vehicle off the ground to gain access underneath. Remove the 18 screws (7mm socket) and 1 pop clip from the splash guard.



2. Remove the 6 pop clips from the left side wheel liner. Repeat this for the right side, and then remove the splash guard from the vehicle.



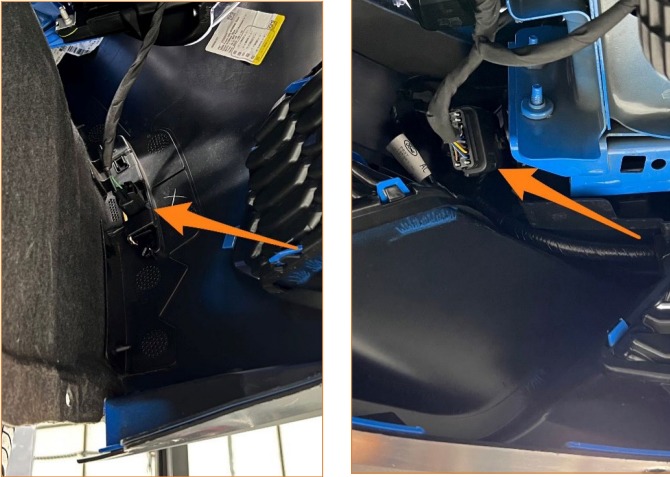
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PERFORMANCE INTERCOOLER CHARGE PIPES FITS 2024+ FORD MUSTANG 2.3L ECOBOOST INSTALLATION INSTRUCTIONS

3. On the inside of the front bumper, unplug the marker lights (one on each side) and the front bumper harness connector.



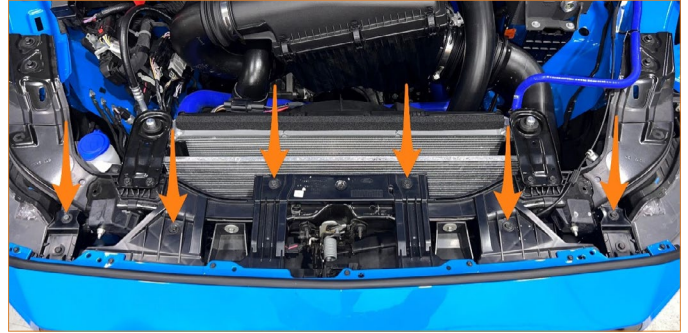
4. Remove the 8 pop clips from the plastic radiator cover then remove the cover from the vehicle.



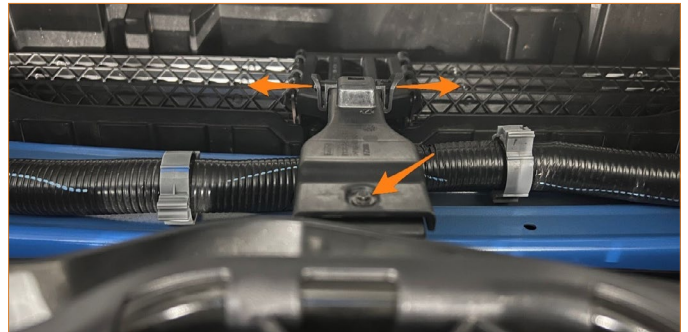
5. Behind the upper part of the front fender, remove the 2 bolts from the left-side front bumper bracket (10mm socket). Repeat for the right side.



6. Remove the 6 bolts from the upper part of the bumper (10mm socket) then remove the bumper.



7. Behind the grill shutters and in front of the radiator, remove the screw for the grill shutter link (5.5mm socket), then bend the 2 tabs out on the bottom end and remove the link.



8. Remove the 3 tree clips fastening the ducting around the grill shutter assembly.



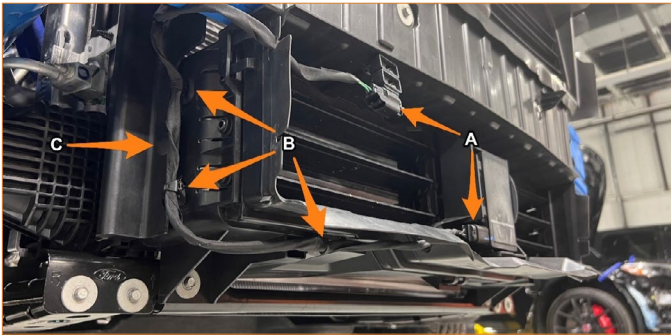
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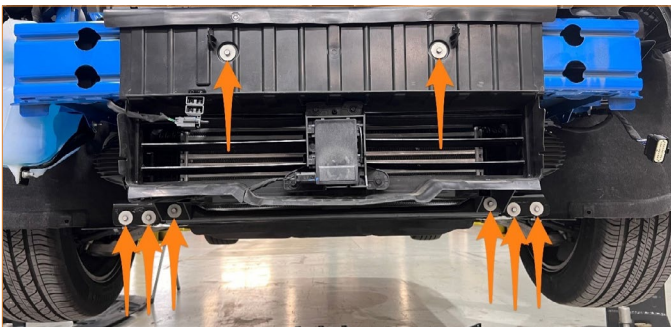
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PERFORMANCE INTERCOOLER CHARGE PIPES FITS 2024+ FORD MUSTANG 2.3L ECOBOOST INSTALLATION INSTRUCTIONS

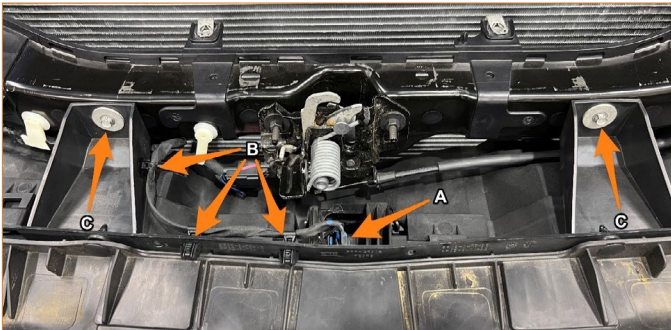
9. Unplug the 2 electrical connectors "A", remove the 3 harness tree clips "B", and remove the duct tree clip "C". Free the harness from the grill shutter assembly.



10. Remove the 4 bolts fastening the grill shutter assembly and the 4 bolts for the lower brace (8mm socket).



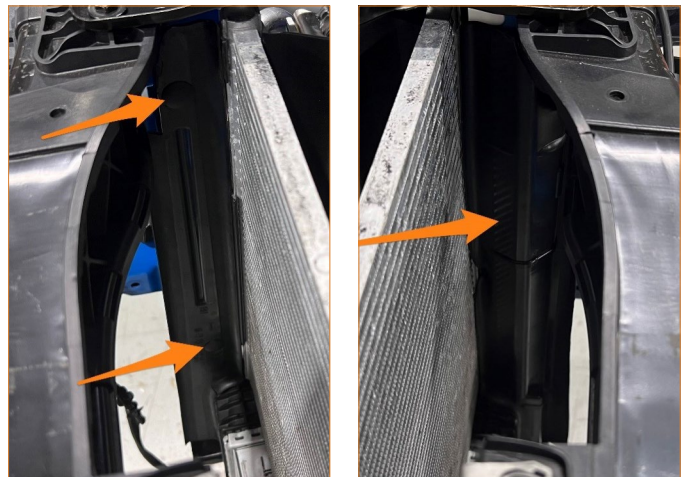
11. Unplug the electrical connector "A", remove the 3 harness tree clips "B", and remove the 2 bolts "C" (8mm socket). Remove the grill shutter assembly and the lower brace from the vehicle.



12. Remove the 2 plastic ducts.



13. Remove the 2 tree clips (left), then remove the 2 plastic ducts (left and right).



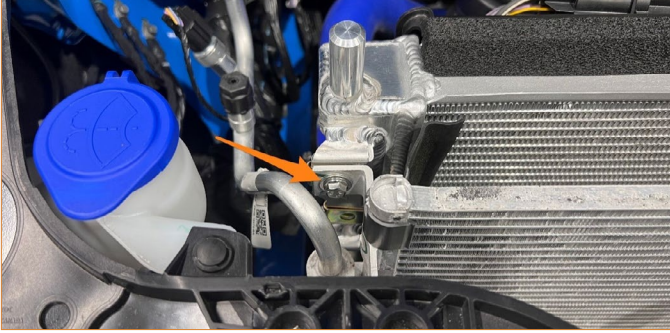
14. Remove the 4 bolts for the 2 radiator brackets, and then remove the brackets.



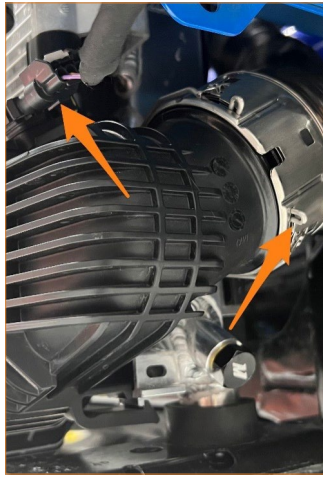
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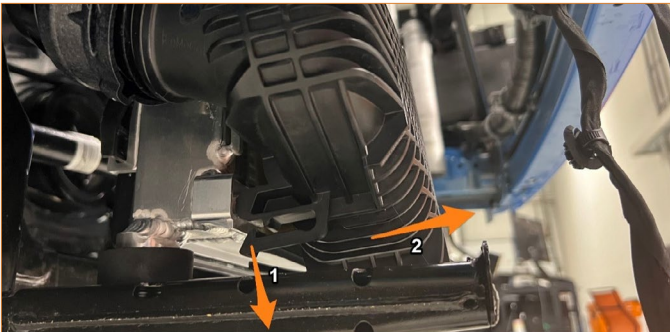
15. Remove the bolt from the AC condenser (10mm wrench).



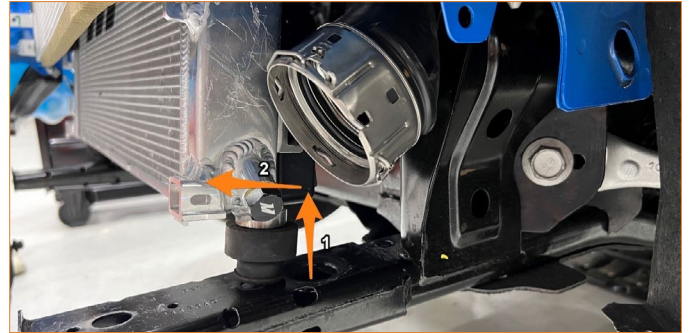
16. Release the clips on the 2 quick-disconnect fittings and pull them off the intercooler. Unplug the electrical connector for the pressure sensor.



17. Release the intercooler from the radiator by pulling down on the lock tabs and then pulling forward on the bottom of the intercooler. Remove the intercooler by lifting the whole assembly up over the hooks on the radiator then removing it out the front. Note: you may have to lift up on the AC condenser.



18. Lift on the bottom of the radiator until the rubber mounts, clear the holes, and then swing the bottom of the rad forward. This will give clearance to get the charge pipes in and out.



19. Loosen the clamp on the cold side charge pipe, and then remove the pipe from the vehicle.

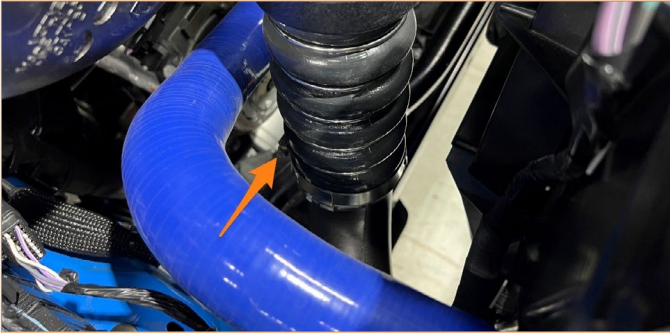


20. Unplug the electrical connector for the MAF sensor, loosen the clamp on the intake pipe (7mm socket), then release the 3 clips on the airbox top and remove it.

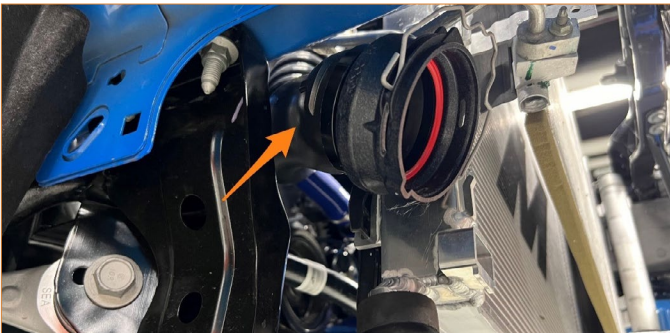


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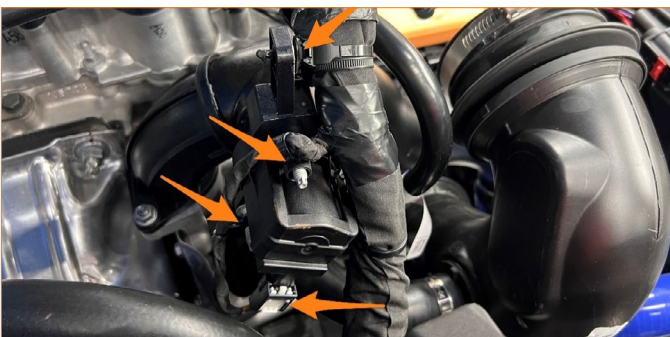
21. Loosen the hose clamp on the hot side charge pipe (7mm socket).



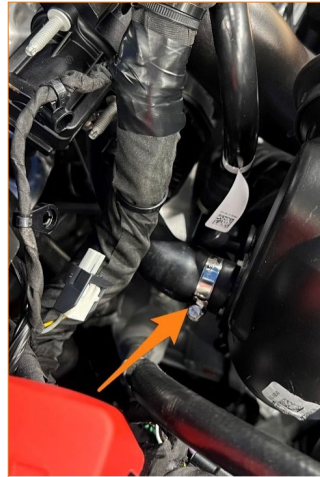
22. Remove the lower section of the hot side charge pipe out through the bottom.



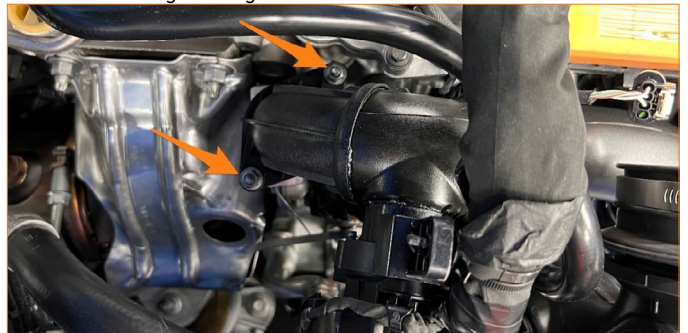
23. Unplug the electrical connector, and then remove the 3 harness clips.



24. Loosen the 2 clamps and remove the hose. Note: clamps are different than pictured.



25. Remove the 2 nuts from the hot side charge pipe flange (10mm socket) then remove the upper section of the hot side charge pipe. It will have to be rotated 180 degrees to get it around the harness.



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PERFORMANCE INTERCOOLER CHARGE PIPES FITS 2024+ FORD MUSTANG 2.3L ECOBOOST INSTALLATION INSTRUCTIONS

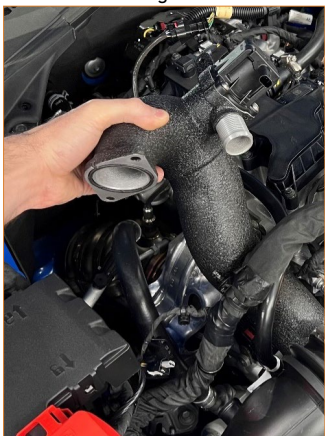
26. Remove the 3 screw studs from the stock hot side charge pipe. Swap the diverter valve to the Mishimoto charge pipe and fasten it with the provided M6 bolts.



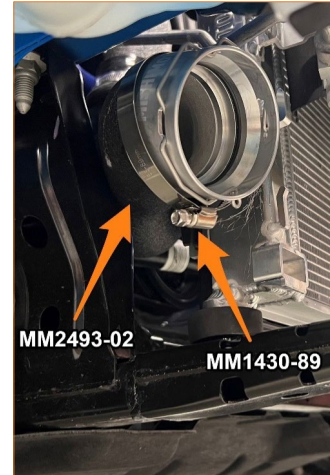
27. Swap the flange O-ring from the stock charge pipe to the Mishimoto one.



28. Install the upper section of the Mishimoto charge pipe in the vehicle by feeding the bead rolled end under the harness and rotating it into position onto the mounting studs.



29. Slide an 89mm worm gear clamp onto the charge pipe, then install coupler 1. Place an 89mm worm gear clamp over the lower section of the Mishimoto charge pipe, then install it onto the coupler through the bottom side of the vehicle.



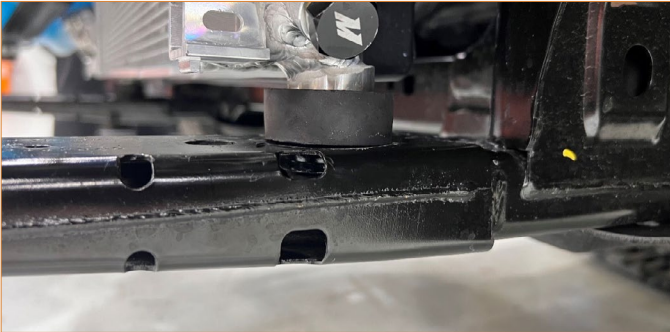
30. Install the Mishimoto cold side pipe into the vehicle.



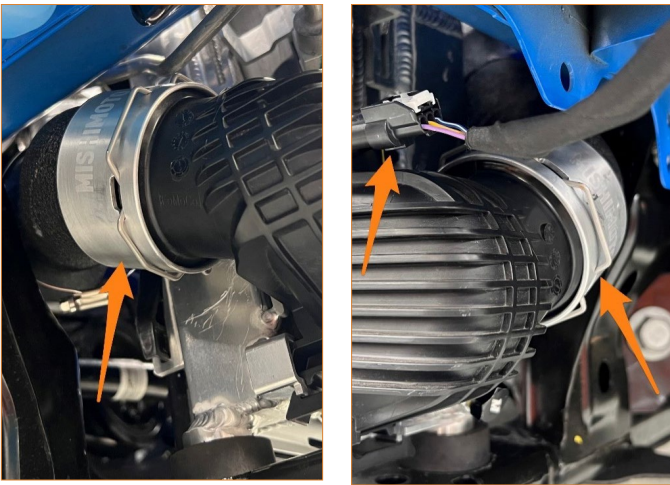
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31. Move the radiator mounts back into their mounting positions.



32. Reinstall the stock intercooler by reversing step 17. Once in place, push the charge pipe quick-connects onto the intercooler until the clips lock into place. Plug the pressure sensor connector back in.



33. Install coupler 2 between the throttle body and cold side charge pipe. Fasten the coupler with an 89mm worm gear clamp and a 76mm worm gear clamp.



34. Fasten the upper section of the hot side charge pipe using the 2 stock nuts. Tighten the 2 89mm worm gear clamps on coupler 1.



35. Reinstall the diverter valve hose and secure it with the stock clamps.



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PERFORMANCE INTERCOOLER CHARGE PIPES FITS 2024+ FORD MUSTANG 2.3L ECOBOOST INSTALLATION INSTRUCTIONS

36. Plug the electrical connector back into the diverter valve and use the supplied tree clip zip tie to fasten the harness to the pipe.



37. Reassemble the rest of the vehicle by reversing the appropriate previous steps.

38. Test drive the vehicle to check for boost leaks.

39. Please place 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.

This concludes the installation.

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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** 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