



INSTALLATION GUIDE

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

TABLE OF CONTENTS

1. RESOURCES & CONTACT INFO
2. EXPLODED VIEW
3. IMPORTANT SAFETY INFORMATION
INSTALL TIME & DIFFICULTY
REQUIRED TOOLS
7. DISPOSAL & WARRANTY INFORMATION

RESOURCES & CONTACT



CALL 1.877.466.4744

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



@MISHIMOTO



@GOMISHIMOTO



MISHIMOTO



@MISHIMOTO



ENGINEERING BLOG

WWW.MISHIMOTO.COM/ENGINEERING

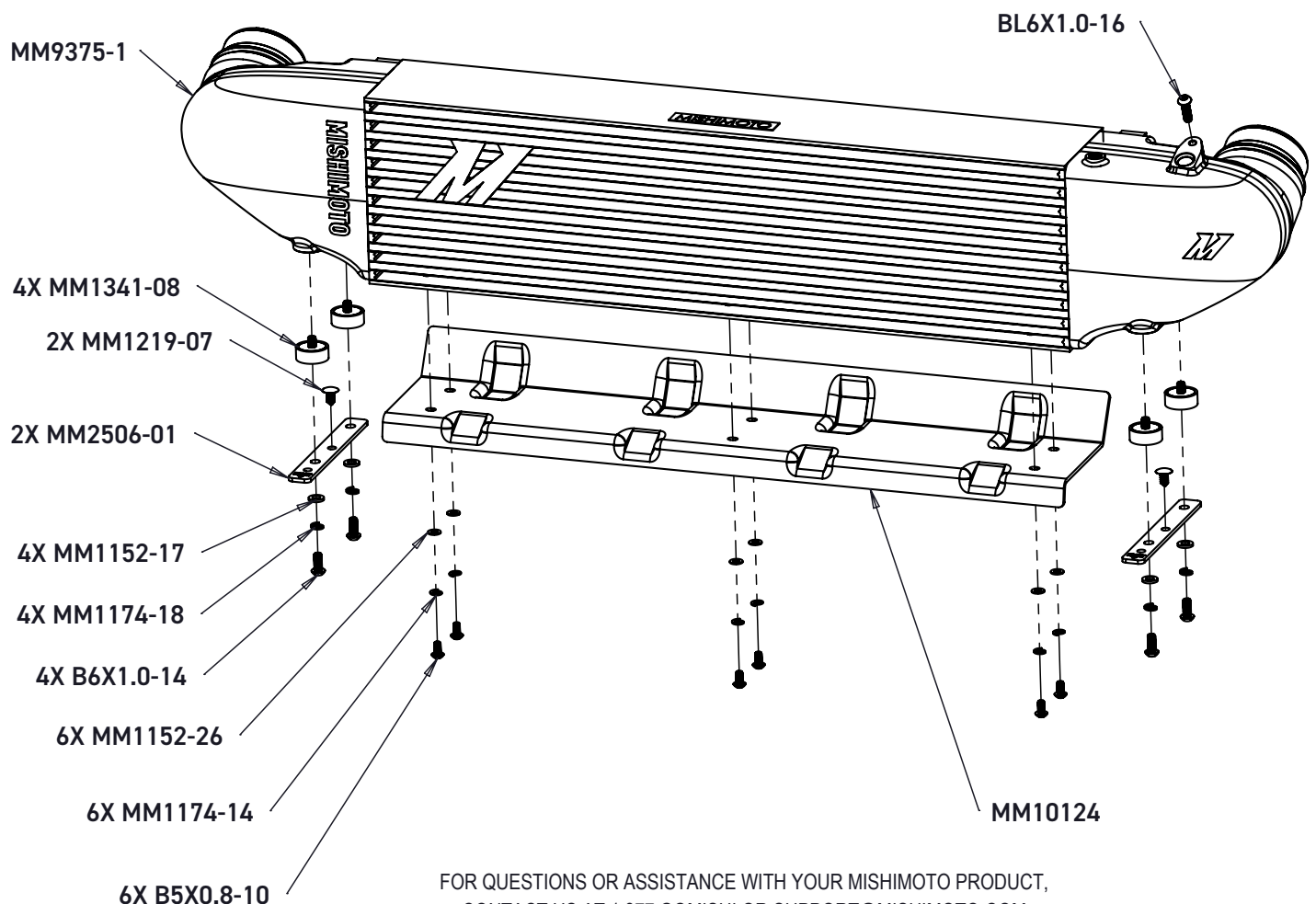


PARTS BREAKDOWN

PART NUMBER	DESCRIPTION	QTY
MM9375-1	INTERCOOLER	1
MM1341-08	RUBBER MOUNT	4
MM2506-01	TIE DOWN PLATE	2
MM1152-17	M6 FLAT WASHER	4
MM1174-18	M6 LOCK WASHER	4
B6X1.0-14	M6 BUTTON HEAD BOLT	4

PARTS BREAKDOWN

PART NUMBER	DESCRIPTION	QTY
MM1219-07	TREE CLIP	2
MM10124	DEFLECTOR	1
MM1152-26	M5 FLAT WASHER	6
MM1174-14	M5 LOCK WASHER	6
B5X0.8-10	M5 BUTTON HEAD BOLT	6
BL6X1.0-16	BUTTON HEAD LOCKING BOLT	1



FOR QUESTIONS OR ASSISTANCE WITH YOUR MISHIMOTO PRODUCT,
CONTACT US AT 1.877.GOMISHI OR SUPPORT@MISHIMOTO.COM

Continued on next page



MISHIMOTO

PERFORMANCE INTERCOOLER FITS 2024+ FORD MUSTANG 2.3L ECOBOOST IMPORTANT SAFETY INFORMATION & INSTALLATION INSTRUCTIONS

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

SUPPLIED PARTS:

(1X) INTERCOOLER ASSEMBLY	(4X) M6 LOCK WASHERS
(1X) AIR DEFLECTOR	(4X) M6 FLAT WASHERS
(2X) TIE-DOWN PLATES	(4X) RUBBER MOUNTS
(2X) TREE CLIPS	(6X) M5X10 BOLTS
(4X) M6X14 BOLTS	(6X) M5 LOCK WASHERS
(1X) M6X16 LOCKING BOLT	(6X) M5 FLAT WASHERS

REQUIRED TOOLS:

3MM HEX KEY	10MM SOCKET
4MM HEX KEY	T30 TORX SOCKET
5.5MM SOCKET	RATCHET WRENCH
7MM SOCKET	10MM WRENCH
8MM SOCKET	POP CLIP TOOL

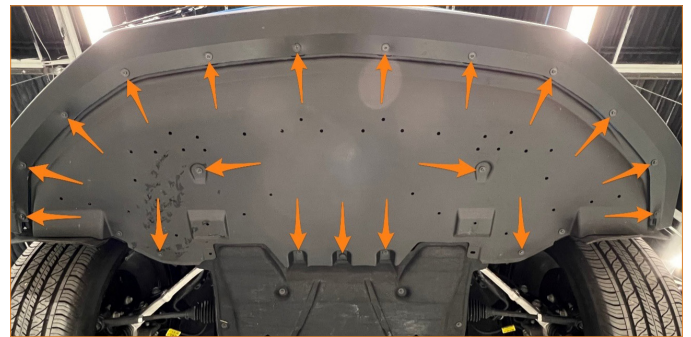
INSTALL TIME: 3 HOURS

INSTALL DIFFICULTY:     

INSTALLATION INSTRUCTIONS

***Note:** To avoid potential injury, wait for the vehicle to completely cool off before working in the engine bay.

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, then remove the splash guard from the vehicle.



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



Continued on next page



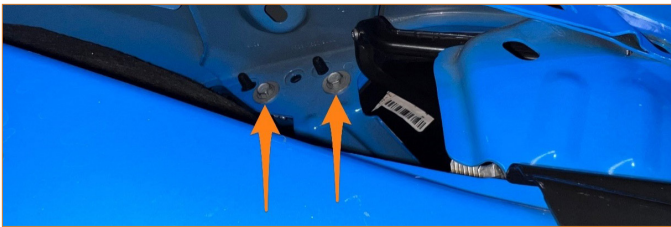
MISHIMOTO

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

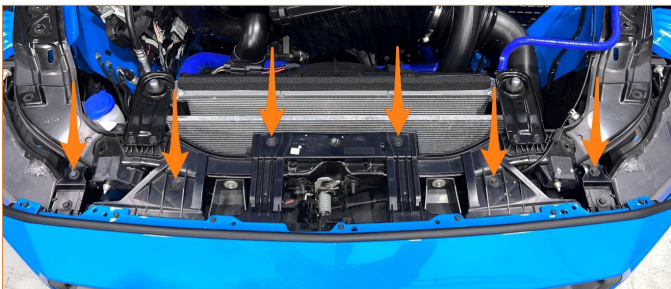
4. Remove the 8 pop clips from the plastic radiator cover then, remove the cover from the vehicle.



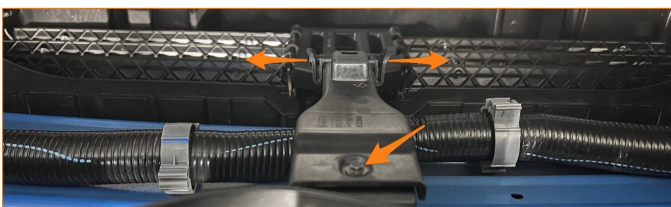
5. Behind the upper part of the front fender, remove the 2 bolts and 1 tree clip from the left-side front bumper bracket (10mm socket). Repeat for the right side.



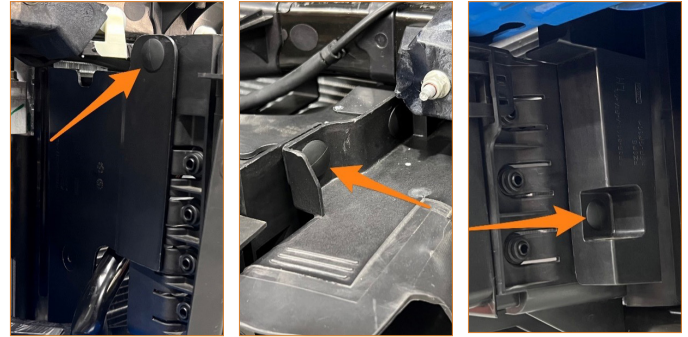
6. Remove the 6 bolts from the upper part of the bumper (10mm socket), then remove the bumper.



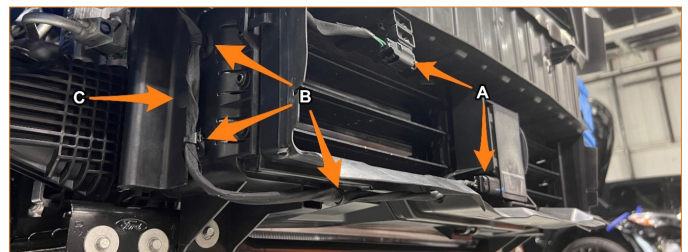
7. Behind the grill shutters and in front of the radiator, remove the screw for the grill shutter link (5.5mm socket), then bend the 2 tabs out on the bottom end and remove the link.



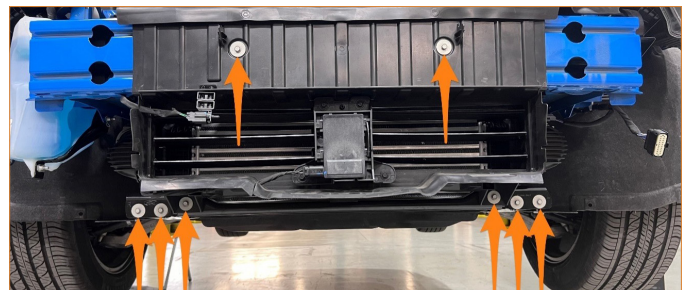
8. Remove the 3 tree clips fastening the ducting around the grill shutter assembly.



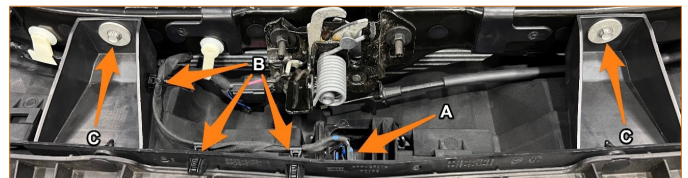
9. Unplug the 2 electrical connectors "A", remove the 3 harness tree clips "B", and remove the duct tree clip "C". Free the harness from the grill shutter assembly.



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.



Continued on next page



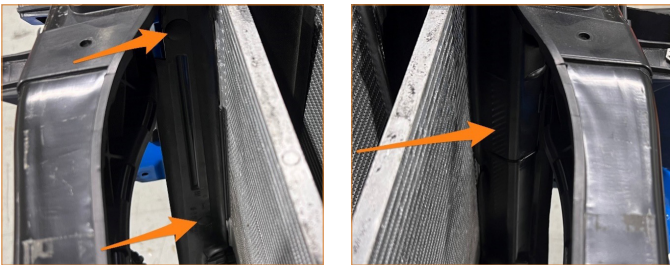
MISHIMOTO

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

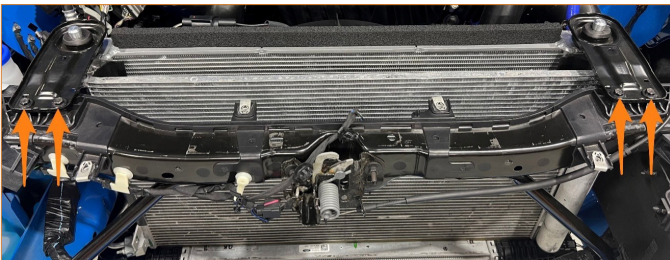
12. Remove the 2 plastic ducts.



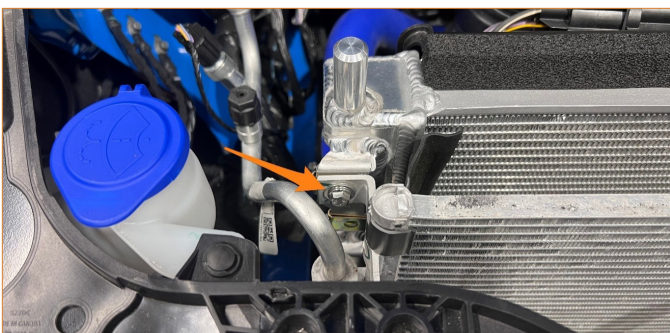
13. Remove the 2 tree clips (left) then remove the 2 plastic ducts (left and right).



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



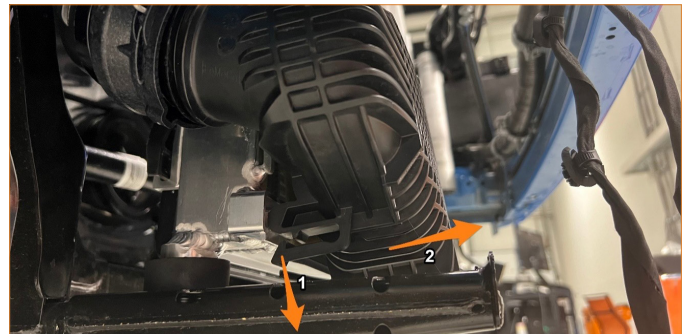
15. Remove the bolt from the AC condenser (10mm wrench).



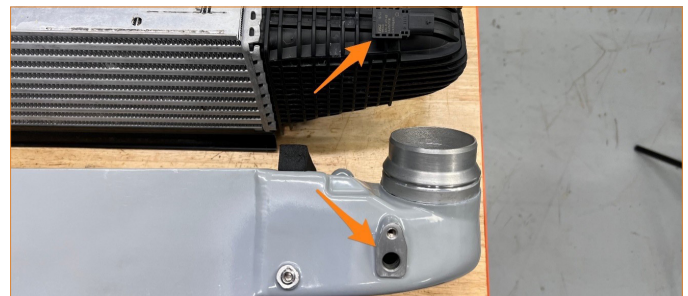
16. Release the clips on the 2 quick-disconnect fittings and pull them off the intercooler. Unplug the electrical connector for the pressure sensor.



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 the AC condenser a bit to gain more room.



18. Remove the screw (T30 Torx) fastening the pressure sensor to the stock intercooler and remove the sensor. Install the sensor into the Mishimoto intercooler and fasten it using the provided M6 locking bolt (4mm hex key).



Continued on next page



MISHIMOTO

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

19. Install the 4 provided rubber mounts onto the bottom of the intercooler. Tighten firmly by hand.



20. Feed the tie-down plate through the hole in the front of the frame tube with "front" facing forward and text facing up.



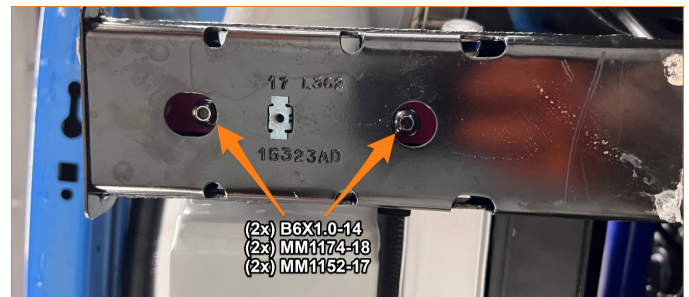
21. Through the 2 holes on the bottom of the frame, use your fingers to align the tie-down plate as shown. Hold it against the inside of the frame tube and install one of the supplied tree clips (MM1249-07) through the frame into the plate to secure it. Repeat for the other side of the vehicle.



22. Place the intercooler in position on top of the frame tubes.



23. Line up the holes in the tie-down plate with the threads in the rubber mounts, then fasten the intercooler using the provided M6 hardware (4mm hex key). Repeat for the other side of the vehicle.

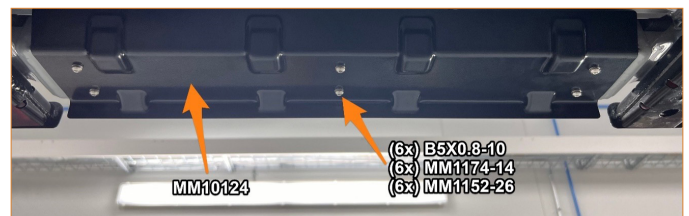


24. Push the charge pipe quick-connects onto the intercooler until the clips lock into place. Plug the electrical connector back in for the pressure sensor.



25. Install the air deflector panel onto the bottom of the intercooler as shown using the provided M5 hardware (3mm hex key). Do not over tighten, as this may crack the plastic.

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



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

Congratulations! You have completed your installation.

Continued on next 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