



# INSTALLATION GUIDE

**Ford F-150 EcoBoost Performance Intercooler, 2015–2023**

**SKU: MMINT-F150-15**

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## RESOURCES & CONTACT



**CALL 1-877-GOMISHI**

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



**MISHIMOTO**



**GOMISHIMOTO**



**MISHIMOTO**



**WEBSITE**

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



**ENGINEERING BLOG**

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

### 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

7MM SOCKET	FLATHEAD SCREWDRIVER
8MM SOCKET	PICK TOOL
13MM SOCKET	

### SUPPLIED PARTS

(1) MISHIMOTO INTERCOOLER W/ ASSEMBLED RUBBER TRIM	(1) M6 X 1.0 X 20MM BOLTS
(1) BYPASS VALVE BRACKET	(4) 1152-17 WASHERS
(1) 1183-01 NUT	(3) 1174-01 LOCKING WASHERS
(2) M6 X 1.0 X 12MM BOLTS	(1) CARB STICKER

**INSTALL TIME: 1 HOURS**

**INSTALL DIFFICULTY:**     

### INSTALLATION INSTRUCTIONS

**1:** Using a 7mm socket, loosen the hot-side intercooler boot clamps and remove both boots. Be careful, the boots will likely contain some oil.



**2:** On the cold-side end tank, disconnect the bypass-valve hose



**3:** Disengage the cold-side intercooler pipe spring clip and separate the pipe connection from the intercooler.



**4:** Disconnect the electrical harness above the bypass valve.



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**5:** Using a 13mm socket, remove the two bolts securing the bottom of the intercooler to the truck.

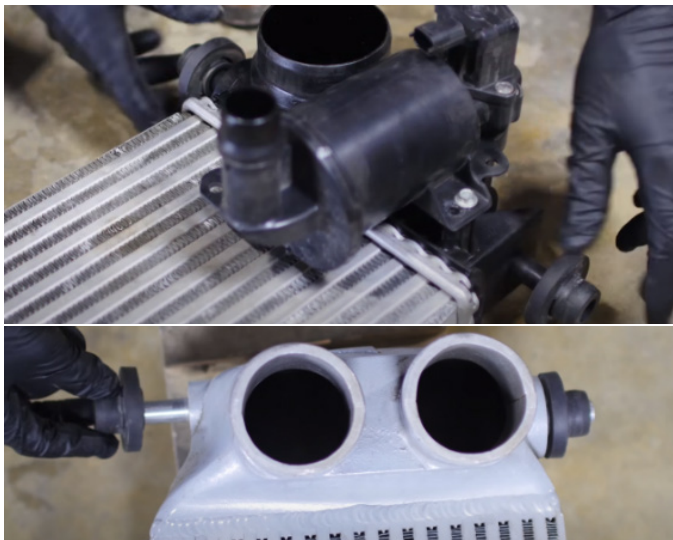


**6:** Carefully remove the intercooler from the vehicle.

**7:** Remove the plastic intercooler shrouding from the vehicle. Use a flathead screwdriver or pick tool to disengage the plastic clips securing this shroud to the grille.



**8:** Transfer the four rubber grommets from the stock intercooler to the Mishimoto intercooler.

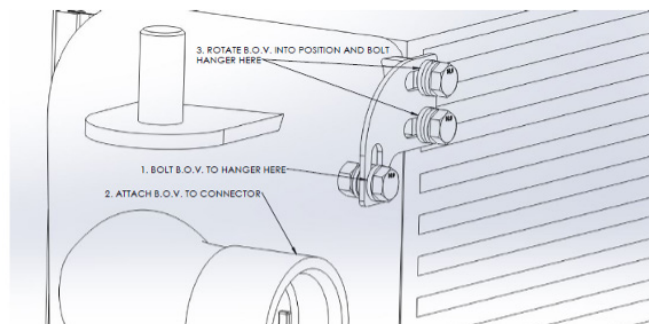


**9:** Using an 8mm socket, remove the bolt holding the bypass valve to the stock intercooler. Twist the bypass valve assembly counterclockwise and remove from the intercooler.



Using the included bypass valve adapter bracket and hardware; (1) M6 X 1.0 X 20mm Bolt, (1) M6 Nut, (1) M6 Lock washer, (2) M6 Flat Washer, install the bypass valve adapter bracket onto the stock bypass valve.

**10:** Using the remaining hardware; (2) M6 X 1.0 X 12mm bolts, (2) M6 lock washers, (2) M6 flat washers, secure the factory bypass valve to the Mishimoto intercooler.



**11:** Transfer the stock lower intercooler bracket to the Mishimoto intercooler. Lift the Mishimoto intercooler into place in the engine bay. Secure in place using the (2) stock 13mm bolts.



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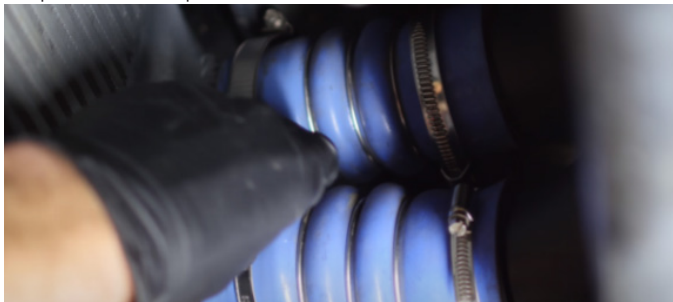
**12:** Reconnect the bypass valve hose.



Reconnect the cold-side intercooler pipe connection. Be sure the spring clip snaps into place and the pipe is fully secured.



**13:** Using a 7mm socket, reconnect the two hot-side intercooler pipe couplers and clamps.



**14:** Please place the included CARB EO sticker in a clean, visible location.

**Congratulations! You have finished your installation.**

## 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](https://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](https://www.p65warnings.ca.gov)