



INSTALLATION GUIDE

2011+ Ford F-150 2.7L/3.5L + 5.0L V8 Catch Can
SKU: MMBCC-FRD-11

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RESOURCES & CONTACT



CALL 1-877-GOMISHI

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



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WEBSITE

WWW.MISHIMOTO.COM



ENGINEERING BLOG

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

SUPPLIED PARTS

- | | |
|---|--|
| (1) MISHIMOTO OPPOSING PORT CATCH CAN | (2) 90° NPT ELBOWS |
| (1) CATCH CAN MOUNTING BRACKET | (2) WORM GEAR HOSE CLAMPS |
| (1) HOSE WITH 90° QUICK DISCONNECT CONNECTOR (FROM PCV VALVE TO CATCH CAN "IN" PORT) | (3) M4 BUTTON HEAD FLANGE BOLTS |
| (1) HOSE WITH 45° QUICK DISCONNECT CONNECTOR (FROM CATCH CAN "OUT" PORT TO INTAKE MANIFOLD) | (2) M6 HEX HEAD BOLTS |
| | (2) M6 CLIP NUTS (FOR 2011-2020 APPLICATIONS ONLY) |
| | (2) M6 LOCK NUTS (FOR 2021+ APPLICATIONS ONLY) |

REQUIRED TOOLS

- | | |
|-------------------|-----------------------------------|
| 10MM SOCKET | FLAT HEAD SCREWDRIVER |
| SOCKET DRIVER | 2MM ALLEN WRENCH |
| DRIVE EXTENSION | (OPTIONAL) 1/4" (6.4MM) DRILL BIT |
| PANEL CLIP PLIERS | (OPTIONAL) DRILL |

INSTALLATION INSTRUCTIONS

- 01.** Using a 10mm socket remove the (2) nuts that secure the engine cover (2015+ 2.7L EcoBoost & 2017+ 3.5L EcoBoost only). Remove the oil filler cap. Then remove the engine cover from the vehicle. Note: the oil filler cap can be reinstalled to prevent debris from entering the engine.



- 02.** Remove the hose from the PCV valve and intake manifold by pressing the tab and pulling the connectors off the engine.

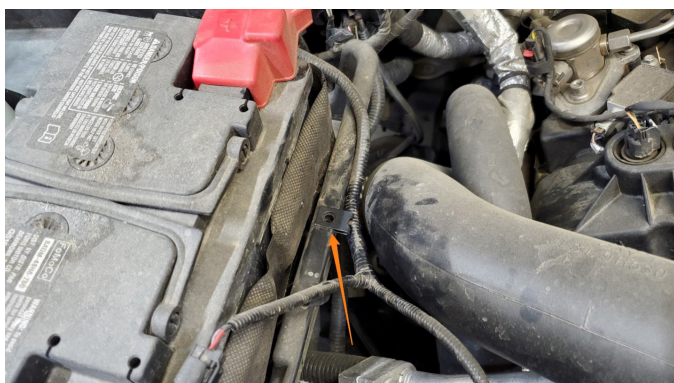


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03. Using panel clip pliers remove the wiring harness clip from the battery tray.



04. For 2011-2020 applications, install (1) supplied M6 clip nut onto the hole that the wiring harness clip was removed from. For 2021+ applications the bracket will be mounted with the supplied M6 locknuts instead of the clip nuts.

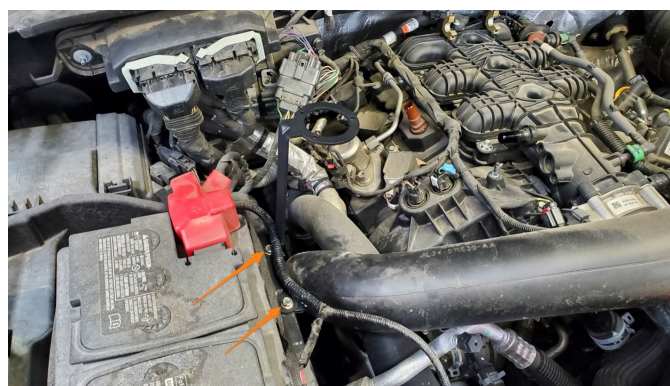


05. (Optional) This step is optional but highly recommended. If you do not want to drill a hole in the battery tray, skip to step 6. Using the catch can mounting bracket as a template drill a second hole in the battery tray with a 1/4" (6.4mm) drill bit. Then, for 2011-2020 applications install the (1) remaining supplied M6 clip nut onto the hole that was just drilled. For 2021+ applications the bracket will be mounted with the supplied M6 locknuts instead of the clip nuts.

(See top images on right)



06. Using a 10mm socket and the (2) supplied M6 hex head bolts, secure the catch can mounting bracket to the battery tray. For 2021+ applications, secure the bracket with the (2) supplied M6 hex head bolts and the (2) supplied M6 locknuts. Note: If optional step 5 was skipped, only (1) M6 hex head bolt will be used to secure the bracket. It is highly recommended to complete step 5.



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07. Install the hose with the 90° quick disconnect connector to the PCV valve (shown to the left in the photo below). Install the hose with the 45° quick disconnect connector to the intake manifold (shown to the right in the photo below).



08. Install the (2) supplied 90° NPT elbows into the Mishimoto opposing port catch can.



09. Loosely slide (1) supplied worm gear clamp over the free end of each of the hoses. Connect the hose from the PCV valve with the 90° quick disconnect connector to the 90° NPT elbow on the "IN" side of the catch can. Connect the hose to the intake manifold with the 45° quick disconnect connector to the 90° NPT elbow on the "OUT" side of the catch can. Using a flat head screwdriver secure the hoses to the 90° NPT elbow by tightening the worm gear clamps to 22 lb-in (2.5 Nm). **Note:** Some applications may not require the full hose length. The free end of the hoses may be trimmed to the desired length for a tidier install. (View top image on right)



10. Using a 2mm allen key, secure the catch can to the catch can mounting bracket with the (3) supplied M4 button head flanged bolts.



11. Remove the oil filler cap if it was replaced at the end of step 1. Reinstall the engine cover, the (2) nuts removed in step 1 (2015+ 2.7L EcoBoost & 2017+ 3.5L EcoBoost only), and the oil filler cap. (Image on next page)

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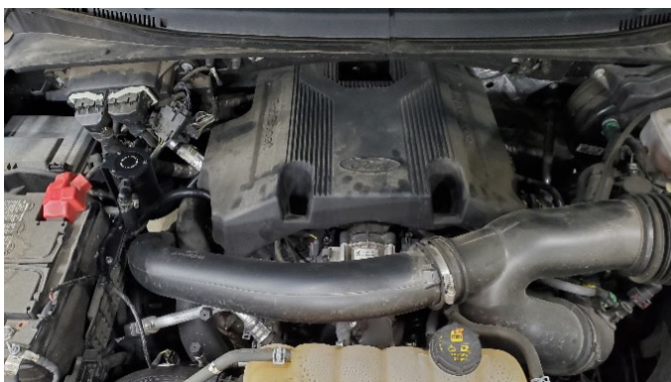


Congratulations! Your installation is now complete.

Before



After



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