

# 2017+ FORD F-150 3.5L ECOBOOST BAFFLED OIL CATCH CAN PARTS LIST & INSTALLATION GUIDE



## PARTS INCLUDED

- 1PC Application-Specific Mounting Bracket
- 1PC 12 fl oz Black, Anodized 6061 Aluminum Catch Can
- 1PC 3 fl oz Black, Anodized 6061 Aluminum Catch Can
- 6PC Worm Gear Clamps
- 5PC Direct-Fit Hoses
- 4PC Pre-Installed Quick-Disconnect Fittings
- 4PC CNC-Machined Aluminum Barbed Fittings
- 2PC Bronze Filters
- 2PC Air Diverters
- 2PC Internal Baffle & Rods
- 2PC 3/8" NPT Plugs
- 2PC Large O-Rings
- Mounting Hardware

## TOOLS NEEDED

- 7mm Socket
- 15mm Socket
- 10mm Socket
- 17mm Wrench
- 20mm Wrench
- 3/8" Drive Ratchet
- Pick Tool
- Heat Gun
- 2.5mm Allen Key
- 3mm Allen Key

**INSTALL TIME** 2 Hours

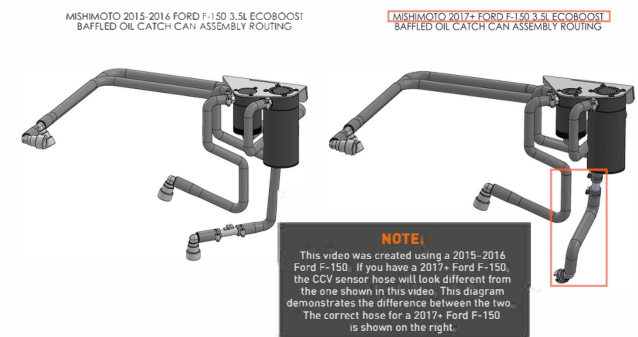
**INSTALL DIFFICULTY**

## DISCLAIMER

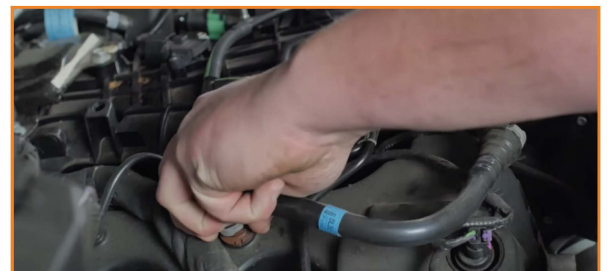
- Allow vehicle to cool completely prior to attempting installation.
- Mishimoto is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of Mishimoto products.
- Mishimoto suggests that a trained professional install all Mishimoto products.

## INSTALL PROCEDURE

Please review the following diagram before beginning the installation process. The diagram illustrates the hose setup on a 2017+ Ford F-150, as this install was done on a 2015–2016 Ford F-150. Once reviewed, you can then move on to Step 1 of the install. Enjoy!



1. Remove the oil cap to lift the engine cover. Once the engine cover is gone, replace the oil cap.
2. Attach the fittings to the catch cans. Snug them down using a 20mm wrench for the larger can and a 17mm wrench for the smaller one.
3. Separate the quick-disconnects on the PCV hose to remove it.

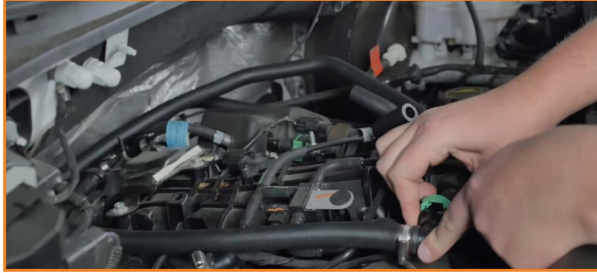


4. Of the two lengthier hoses, distinguish the longer hose from the shorter hose.
5. Connect the shorter hose to the valve cover port. Slide the green tab down to secure the connection.
6. Connect the longer hose to the PCV valve. Slide the green tab down to secure the connection.

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7. Run both hoses along the back of the engine.
8. Disconnect the electrical harness on the CCV hose. Lift the small gray tab up and then pull out the connector.



9. Separate the quick-disconnects on the CCV hose and remove it.



10. Separate the sensor from the CCV hose. Heat each end of the sensor to loosen it from the hose connections.



11. Install the sensor to the Mishimoto hoses. (2x worm gear clamps)
12. Connect the hose with the installed sensor to the intake port. Slide the green tab down to secure the connection.
13. Reconnect the wiring harness to the sensor. Engage the gray tab to lock the sensor's connector.
14. Connect the second hose to the valve cover port. Slide the green tab down to secure the connection.



15. Remove the nut that secures the ground strap to the firewall. Then slide the plastic prop and metal plate off the nearby stud. (1x 15mm acorn nut)



16. Connect the longer hose to the OUT port on the 12oz catch can. (1x worm gear clamp)
17. Connect the smaller hose to the IN port on the 12oz catch can. (1x worm gear clamp)
18. Attach the 12oz catch can to the bracket using the hardware in your kit. (4x 3mm Allen bolts)

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19. Secure the bracket to the firewall. Place the ground strap back over the stud, and then set the bracket over the two studs.  
(1x 15mm acorn nut, 1x 10mm nut and washer)



20. Attach the 3oz catch can to the bracket using the hardware in your kit. (3x 2.5mm Allen bolts)
21. Install the hose with the sensor to the catch can's OUT port. Then install the last remaining hose to the catch can's IN port. (2x worm gear clamp)



22. Remove the oil fill cap to reinstall the engine cover. Then replace the oil fill cap.

**Congratulations! You have finished installing the Mishimoto 2017+ Ford F-150 3.5L EcoBoost Baffled Oil Catch Can.**