

# 2017+ FORD 6.7L POWERSTROKE BAFFLED OIL CATCH CAN KIT PARTS LIST & INSTALLATION GUIDE



## PARTS INCLUDED

- 1PC Application-Specific Mounting Bracket
- 1PC Black, Anodized High-Flow Catch Can
- 2PC Direct-Fit Catch Can Hoses
- 3PC CNC-Machined CCV Adapters
- 2PC CNC-Machined Aluminum Barbed Fittings
- 4PC High-Quality Worm Gear Clamps
- 1PC Baffle w/ Polyurethane Filter
- 1PC 3/8" NPT Plug
- 1PC Large O-Ring
- 1PC Mounting Hardware Pack

## TOOLS NEEDED

- 7mm Socket
- 8mm Socket
- 10mm Socket
- 13mm Socket
- 1/4" Drive Ratchet
- 1/4" Extension
- 4mm Allen Key
- 5mm Allen Key
- Torque Wrench
- 1 1/8" Wrench
- Pick Tool

**INSTALL TIME** 4 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

1. Loosen the intercooler hot-side pipe. Lift it out of the engine bay. (1x spring clamp, 1x spring clip)



2. Place a set of buckets under the vehicle to catch any residual fluid.
3. In this step you will be disconnecting the fuel lines. Allow the fuel system to depressurize before disconnecting the fuel lines. Wait until the vehicle has cooled down or 5 minutes from when it was last turned off, whichever is longer, before disconnecting.



4. Remove the fuel filter.
5. Remove the bolts that secure the fuel filter bracket, and then remove the bracket from the vehicle. Take note of the short bolt location. The one 8mm bolt is underneath the fuel line and sits just in front of the fuel filter bracket. (4x 8mm bolts)

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6. Remove the bolts that secure the fuel rail. (2x 8mm bolts)
7. Remove the bolts that secure the air-oil separator. (4x 8mm bolts)
8. Separate the fuel line bracket.



9. Replace the stock metal bracket attached to the fuel line retaining clip with the provided Mishimoto bracket.



10. Attach the shorter hose (MM4488-01) to the top barb. (1x worm gear clamp)
11. Attach the longer hose (MM4488-02) to the bottom barb. (1x worm gear clamp)

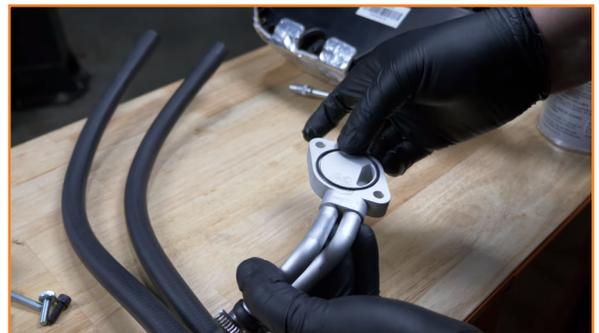
12. Position the hoses as shown here. Pay attention to the orientation of the clamps.



13. Position the clamps on the hose as shown below. There may be a fitment issue otherwise.



14. Grease the O-ring groove on the aluminum adapter and place the thin O-ring within the groove. This was done outside the vehicle for a clear representation.



15. Lift the air-oil separator and drain some excess oil. Clean the housing once the oil has been drained.

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16. Replace the stock O-ring at the bottom of the air-oil separator.



17. Lubricate the new O-ring and install the Mishimoto adapter to the bottom of the air-oil separator.



18. Install the adapter and hoses to the back end of the air-oil separator. Make sure the O-ring has not fallen off the bottom of the adapter. The image below was taken with the separator out of the vehicle for a clearer representation.



19. Install the three long bolts provided with the aluminum adapters. Leave the bolts loose for now. (3x 10mm bolts)

20. Install the small aluminum bracket between the valve cover and the air-oil separator. (1x 10mm bolt, 1x 5mm Allen bolt)



21. Torque the three previously installed long bolts to 89\_in./lb. (10nm.). (3x10mm bolts)  
22. Reinstall the plastic fuel line bracket.  
23. Place the provided Mishimoto bracket under the fuel filter bracket.



24. Reinstall the fuel filter bracket along with the Mishimoto bracket using the three provided long bolts and one short bolt. Torque the three long bolts to 89\_in./lb. (10nm.). (3x 8mm long bolts, 1x 8mm short bolt)  
25. Secure the fuel rail. Torque the bolts to 89\_in./lb. (10nm.). (2x 8mm bolts)  
26. Reinstall the fuel filter and reconnect the fuel lines.  
27. Remove the stud and ground strap from the firewall. (1x 13mm stud, 1x 15mm nut)



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28. Install the bracket to the firewall.  
(1x 13mm stud, 1x 15mm nut)



29. Thread the fittings onto the catch can. Tighten the fittings with a wrench.
30. Install the catch can to the bracket and tighten the Allen bolts. (3x 4mm Allen bolts)
31. Attach the short hose to the inlet port on the catch can. (1x worm gear clamp)
32. Attach the longer hose to the outlet port on the catch can. (1x worm gear clamp)
33. Reinstall the hot-side intercooler pipe.  
(1x worm gear clamps, 1x spring clip)

**Congratulations! You have finished installing the Mishimoto 2017+ Ford 6.7L Powerstroke Baffled Oil Catch Can Kit.**