

2011-2016 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. The one 8mm bolt is underneath the fuel line and sits just in front of the fuel filter bracket. (1x 10mm stud, 1x 13mm stud, 2x 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)



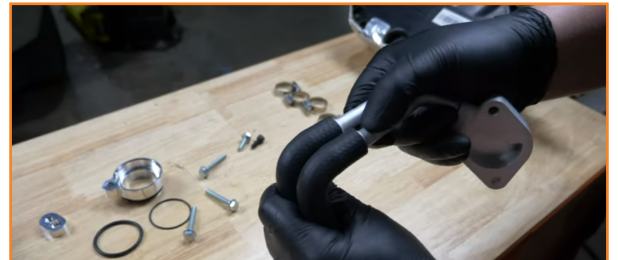
8. Lift the air-oil separator and drain some excess oil. Clean the housing once the oil has been drained.
9. Replace the stock O-ring at the bottom of the air-oil separator.



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



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



13. Position the hoses as shown here. Pay attention to the orientation of the clamps. There may be a fitment issue otherwise.

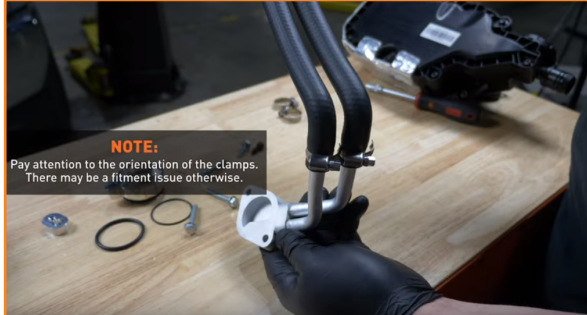


14. Position the clamps on the hose as shown below. There may be a fitment issue otherwise.

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15. 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.



16. 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.



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

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



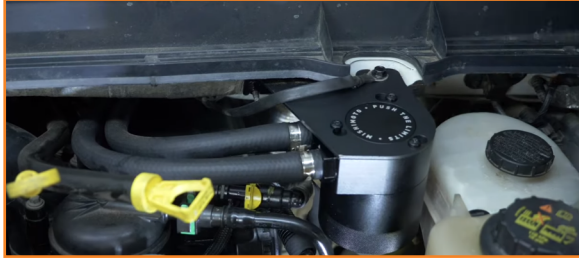
19. Torque the three previously install long bolts to 89_in./lb. (10nm.). (3x10mm bolts)
20. Reinstall the fuel filter bracket. Torque the bolts to 89_in./lb. (10nm.). (1x 10mm stud, 1x 13mm stud, 2x 8mm bolts)
21. Secure the fuel rail. Torque the bolts to 89_in./lb. (10nm.). (2x 8mm bolts)
22. Reinstall the fuel filter and reconnect the fuel lines.
23. Remove the ground strap from the firewall. (1x 8mm bolt, 1x plastic clip)
24. Install the bracket to the firewall. (2x 10mm nuts, 1x 10mm bolt)



25. Thread the fittings onto the catch can. Tighten the fittings with a wrench.
26. Partially thread the Allen bolts into the catch can lid. (3x 4mm Allen bolts)
27. Install the catch can to the bracket and tighten the Allen bolts. (3x 4mm Allen bolts)
28. Attach the short hose to the inlet port on the catch can. (1x worm gear clamp)
29. Attach the longer hose to the outlet port on the catch can. (1x worm gear clamp)

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30. Reinstall the hot-side intercooler pipe.
(1x worm gear clamps, 1x spring clip)

**Congratulations! You have finished
installing the Mishimoto 2011-2016 Ford
6.7L Powerstroke Baffled Oil Catch
Can Kit.**