

2007-2013 MAZDA MAZDASPEED3 BAFFLED OIL CATCH CAN, PCV SIDE PARTS LIST & INSTALLATION GUIDE



PARTS INCLUDED

- 1PC Application-Specific Mounting Bracket
- 1PC Anodized 6061 Aluminum Catch Can, Black
- 2PC Silicone Hoses
- 4PC High-Quality Worm Gear Clamps
- 2PC Plastic Barbed Fittings
- 1PC Air Diverter
- 1PC Internal Baffle & Rod
- 1PC 3/8" NPT Plug
- 1PC Large O-Ring
- 1PC Mounting Hardware

TOOLS NEEDED

- 7mm Swivel Socket
- 10mm Socket
- 10mm Ratchet Wrench
- 3/8" Long Extension
- 3/8" Drive Ratchet
- Needlenose Pliers
- 2.5mm Allen Key

INSTALL TIME **1 HOUR**

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. Remove the bolts securing the undertray, and then remove the undertray. (10x 10mm bolts)



2. Compress the clamps on each end of the PCV hose and slide them off the port to remove the hose. (2x spring clamps)



3. Under the airbox, there is an electrical connector, which is held in by two bolts. Remove the bolts on the connector. (2x 10mm bolts)



4. Thread the two plastic fittings onto the catch can.
5. Gather the hoses included in your kit. One of the lines has an integrated check-valve system. This line will connect to your intake manifold. The check-valve system prevents your can from being pressurized under boosted applications. The other line in your kit without the check-valve has a curved end that connects to the PVC valve on your engine, while the other end goes to the IN port on your catch can.



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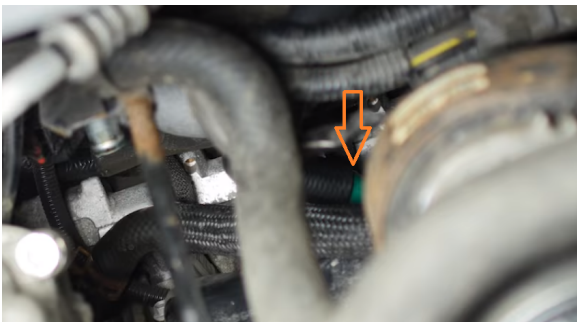
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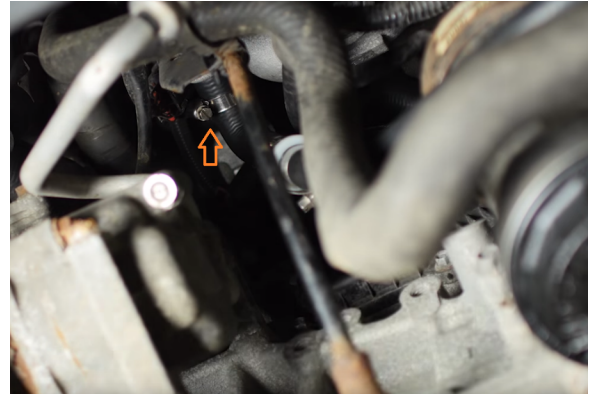
6. Install the catch can bracket under the electrical connector and secure it with the two bolts you removed earlier. (2x 10mm bolts)



7. Install the catch can to the bracket using the hardware from your kit. (2x M4 screws)
8. Slide a clamp over the hose without a check-valve and connect it to the IN port on the catch can. Then, use another clamp to slide over the opposite end and connect it to the PVC valve. You will need to run the hose over some of the wiring to reach the valve. (2x worm gear clamps)



9. Take another worm gear clamp and slide it over the one end, with a 45-degree bend, of your second hose and connect it to the OUT port on the catch can. (1x worm gear clamp)
10. Run the other end, with the check-valve, behind the oil line and up to the port on the intake manifold. Make sure to place a clamp over the hose before connecting it to the port and orient it for easy access. (1x worm gear clamp)



11. Tighten the clamps at all connections.



12. Reinstall the undertray. There are two tabs on the front of the undertray that slide in first. Secure the undertray with the original hardware. (10x 10mm bolts)

The contents of the catch can should be checked and drained every 1000 miles until a baseline for oil accumulation is established. The volume collected in the can will be different for every car and will vary based on climate, temperature, and driving conditions.

Congratulations! You have finished installing the Mishimoto 2007-2013 Mazda Mazdaspeed3 Baffled Oil Catch Can.