

BMW N54 BAFFLED OIL CATCH CAN, CCV SIDE, 2006–2010

PARTS LIST AND INSTALLATION GUIDE

PARTS LIST

- 1PC| APPLICATION-SPECIFIC MOUNTING BRACKET
- 1PC| BLACK, ANODIZED 6061 ALUMINUM CATCH CAN
- 2PC| DIRECT-FIT HOSES, BLACK
- 2PC| PLASTIC BARBED FITTINGS
- 1PC| AIR DIVERTER
- 1PC| INTERNAL BAFFLE AND ROD
- 1PC| 3/8" NPT PLUG
- 1PC| LARGE O-RING
- MOUNTING HARDWARE

TOOLS NEEDED

- | | |
|-------------------------|----------------------|
| 2.5MM ALLEN KEY | 10MM SOCKET |
| 5MM ALLEN KEY | 7/8" WRENCH |
| 1/4" DRIVE RATCHET | PICK TOOL |
| 1/4" DRIVE 6" EXTENSION | FLATHEAD SCREWDRIVER |
| 8MM SOCKET | |

INSTALLATION TIME: 2 HOURS

INSTALLATION DIFFICULTY: 3/5

DISCLAIMER

- 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, as 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.
- Mishimoto suggests that a trained professional install all Mishimoto products.

PREPARING FOR INSTALLATION

1. Pull up on the four tabs and remove the top cover, exposing the battery cable and wire harness.
2. Remove the battery cable and then the wire harness. Set both aside.



3. Remove the bottom half of the tray that holds the harnesses, and unfasten the three clips. (Pick tool or flathead screwdriver).



4. Remove the last wire harness. Unfasten the two clips and pull outward.



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5. Remove the harness for the ambient temperature sensor on the driver side, near the access panel. Remove the clips by hand and then set the harness aside.



6. Twist the harness on the passenger side about 30 degrees and pull outward. Set the harness aside.



7. Remove the passenger-side panel by lifting up on the two side tabs and moving the last tab toward the cabin of the vehicle.



8. Remove the driver-side panel by lifting up on the two side tabs and moving the last tab toward the cabin of the vehicle.

9. Remove the two 8mm machine-threaded bolts from the exposed side panels on both sides of the vehicle.



10. Remove the six 8mm course-threaded bolts that hold the cabin filter to the main panel, and then remove the cabin filter.



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11. On the driver side, lift up on the rubber tab and set aside. Repeat on the passenger side, and then remove the main panel from the engine bay.



12. Remove the four Allen bolts on the engine cover, and then remove the cover from the engine bay.

13. Unfasten the clip on the flapper valve. (Pick tool or screwdriver)



14. Unclip the other side of the flapper valve, and then remove the entire hose. (Pick tool or screwdriver)

15. Pull off the quick-disconnect fitting from the hose removed in step 14. (If needed, a heat gun can be used. Use caution and do not damage the fitting.)



16. Reinstall the quick-disconnect fitting in its original location.



17. Take the first hose with the 180-degree bend, and slide it through so it seats properly. Attach this hose to the intake port, and then route the hose toward the front of the driver-side engine bay.



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18. Attach the second hose to the valve cover port where the quick-disconnect fitting was installed (step 16). Route it in the same way as the first hose (step 17).



ASSEMBLING AND INSTALLING THE CATCH CAN

19. Thread both fittings into the can. (7/8" wrench)

20. Attach the mounting bracket to the top of the can (3x M4 screws and washers, 2.5mm Allen key)



21. Remove the two 10mm nuts from the bracket that holds the power steering reservoir in place.



22. Using the two 10mm nuts removed in the previous step, install the catch can assembly onto the bracket and tighten the nuts.



23. Connect the hose coming from the valve cover to the inlet on the catch can. (These hoses are under vacuum, so worm-gear clamps are not required.)

24. Connect the hose coming from the intake to the outlet on the catch can.



25. Reinstall the engine cover. (4x Allen bolts)

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26. Reinstall the main panel, and then slide the rubber tabs on both sides of the vehicle into place to lock the panel.



27. Reinstall the cabin filter using the coarse-threaded bolts that hold the filter to the main panel. (6x 8mm bolts)

28. Reinstall the machine-threaded bolts onto the exposed side panels on both sides of the vehicle. (2x 8mm bolts)

29. Reinstall the driver side panel. Reinstall the harness for the ambient temperature sensor by refastening the clips.

30. Reinstall the passenger side panel, and then reinstall the harness by twisting about 30 degrees and pushing inward to lock into place.

31. Reinstall the first wire harness, and snap the clips into place. (Pick tool or flathead screwdriver)

32. Reinstall the bottom tray that holds the harnesses, and snap the clips into place. (Pick tool)

33. Place the last two harnesses into the tray.

34. Reinstall the top cover and push down on the four tabs.

You've successfully installed your new Mishimoto BMW N54 Baffled Oil Catch Can. Enjoy!