

# Z1 350Z G35 (VQ35HR) BAFFLED OIL CATCH CAN KIT INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2007-2008	Nissan 350Z
2007-2008	Infiniti G35 Sedan

## PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

## WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Motorsports 350Z / G35 (VQ35HR) Baffled Oil Catch Can Kit, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

## **PARTS INCLUDED:**

Item	Quantity	Description
1	1	Z1 Universal Catch Can
2	2	Banjo Fitting
3	2	Bango Bolt
4	1	Catch Can Bracket
5	1	Catch Can Return Hose
6	1	Catch Can Feed Hose
7	4	Crush Washer
8	3	M4-0.7 x 8mm Screw
9	4	Hose Clamp
10	1	M6 Lock Nut
11	1	M6-1.0 x 10mm Bolt
12	1	2.5mm Ball-End Hex Screwdriver

## **TOOLS REQUIRED:**

- Ratchet
- Pliers
- 8mm Allen Wrench/Socket
- 10mm Socket/Wrench
- 12mm Socket
- Flat-Head Screwdriver
- 2.5mm Ball-End Hex Screwdriver (supplied)

## **SAFETY REQUIREMENTS:**

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

## **BEFORE YOU BEGIN:**

Remove contents from the Z1 Motorsports 350Z / G35 (VQ35HR) Baffled Oil Catch Can Kit and verify that ALL necessary hardware is present.

## **PROCEDURE:**

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Raise and support the hood of the vehicle.
3. Remove the (6) six bolts and (2) two nuts securing the Strut Tower Bracer to the vehicle. Remove and set aside the Strut Tower Brace.
4. Remove the Engine Cover if applicable.
5. Loosen the clamp and remove the Passenger Air Intake Pipe from the passenger side Throttle Body.
6. Remove the (4) four bolts securing the Throttle Body to the engine and rotate the Throttle Body out of the way.
7. Disconnect the connector located at the back left of the Upper Intake Manifold. *Figure 1.*

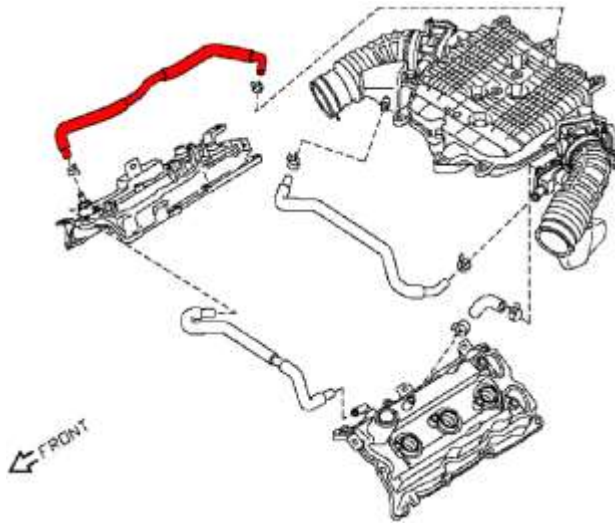


*Figure 1*

8. Remove the (8) eight bolts securing the Upper Intake Manifold to the engine but do not remove the Upper Plenum.

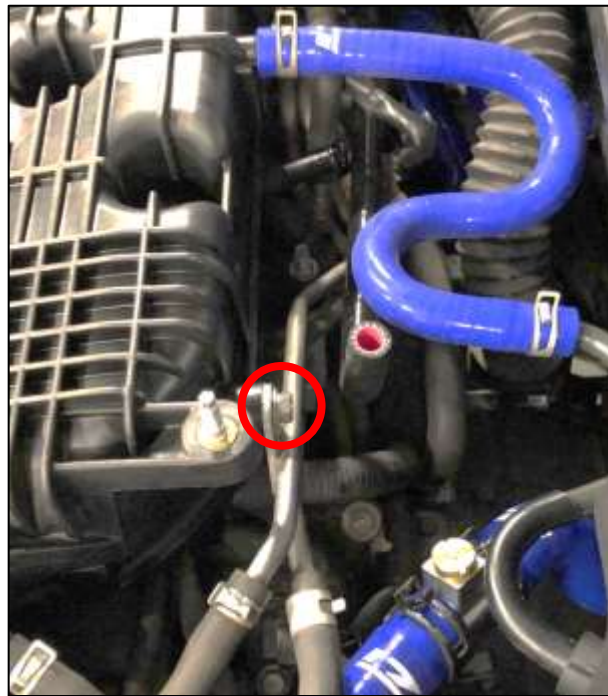
9. Loosen the Hose Clamps and remove the OEM PCV Hose that runs from the passenger side Valve Cover to the rear of the Upper Intake Plenum. *Figure 2.*

**NOTE:** The hose runs underneath the Upper Intake Plenum near where the Throttle Body connects. Slightly lift the Plenum in order to pull the hose out of its slot, shown below at right.



*Figure 2*

10. Locate the new Z1 Oil Catch Can Feed Hose (the longer of the two supplied hoses). Attach the longer side to the PCV Port on passenger side Valve Cover where the OEM hose was removed in *Step 9* and secure it with a Hose Clamp. Route the Hose similar to how the OEM one was, under the Throttle Body connector toward the rear of the Upper Intake Plenum.
11. Remove the bolt securing the hardline to the back right of the Upper Intake Plenum. Retain the bolt as it will be reused. *Figure 3.*



*Figure 3*

12. Locate the Catch Can Bracket. Place the Catch Can Bracket onto the stud next to the bolt removed in *Step 11*. Thread the bolt from previous step back into the same mounting hole securing the catch can bracket in place. If your Plenum does not have a stud in this location, use the supplied M6 x 1.0 Flanged Bolt, 10mm, to secure the Bracket in place. *Figure 4*.



*Figure 4*

13. If you are installing the [Catch Can Drain Kit](#), install it now.
14. Locate the Z1 Catch Can, (3) three M4 screws, and (1) one 2.5mm Ball-End Hex Screwdriver. Using the supplied 2.5mm Ball-End Hex Screwdriver, attach the bracket to the top of the Catch Can using (3) three M4 screws in the same orientation as pictured below. Be sure the outer screw under the access hole in the top of the bracket is accessible. *Figure 5*.



*Figure 5*



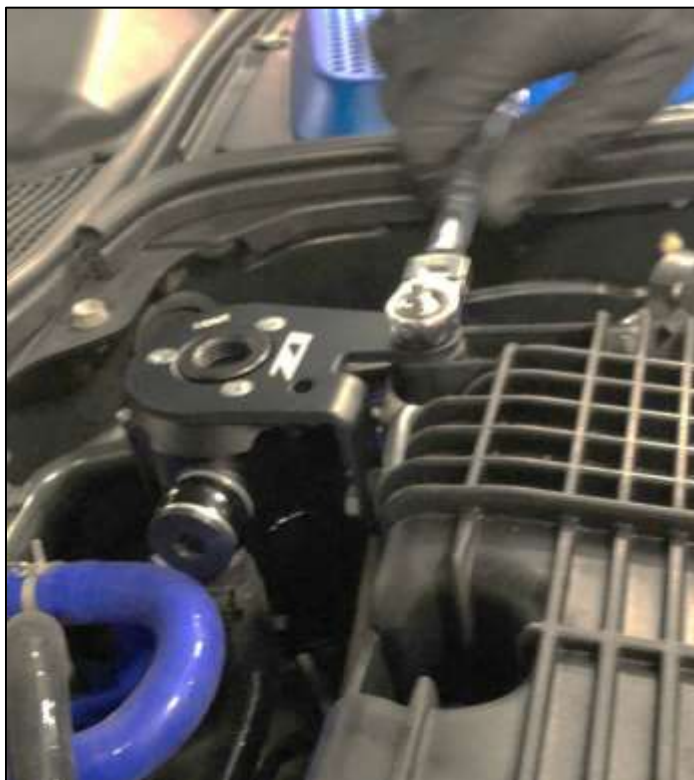
15. Locate (2) two Banjo fittings, (2) two Banjo bolts and (4) four Crush Washers. Place a Crush Washer on each Banjo Bolt. Then place each bolt through a Banjo Fitting. Place another Crush Washer on the end of each bolt. Thread a bolt into each slot on catch can (as shown below, off the vehicle). Do not tighten bolts yet. *Figure 6.*



*Figure 6*

16. Thread the supplied M6 Lock Nut onto the stud on top of the Catch Can Bracket. *Figure 7.*

**NOTE:** If your Plenum does not have a stud in this location, use the supplied M6 x 1.0 Flanged Bolt, 10mm to secure the bracket in place.



*Figure 7*

17. Attach the loose end of the Feed Hose to the side Banjo fitting barb on the Catch Can. Secure with a Hose Clamp.
18. Locate the Z1 Oil Catch Can Return Hose. Attach the short end of the Return Hose to the port on the back of the Upper Intake Plenum (as shown). This is the same port as the OEM hose was removed from in *Step 9*. Secure with a Hose Clamp. *Figure 8*.



*Figure 8*

19. Attach the other end of the Return Hose to the top Banjo Fitting on the Catch Can. Secure with a Hose Clamp.
20. Using an 8mm Allen wrench, tighten the Banjo Bolts.
21. Follow *Steps 3-8* in reverse to reinstall components removed in earlier steps. *Figure 9*.

**NOTE:** If you decide to reinstall the Engine Cover, some small trimming may be necessary for a perfect finish.



*Figure 9*

22. Start vehicle. While at idle, check for leaks or faulty operation of the Z1 Oil Catch Can Kit.

## **DRAINING PROCEDURE:**

This procedure is only for users not using the Catch Can Drain Kit

1. While supporting the bottom of the Catch Can, use the supplied 2.5mm ball-end hex screwdriver to unscrew the (3) three outer bolts on the top of the Z1 Oil Catch Can.

**NOTE:** **DO NOT** unscrew the (3) bolts securing the top of the Catch Can to the Bracket. The screw closest to the engine should be accessible through the access hole on the top of the Bracket.

2. Carefully remove the bottom of the Z1 Oil Catch Can. Properly dispose of oil.
3. Reattach bottom of catch can.

**END**

**Additional Technical Support:**

Contact Z1 Motorsports at [info@z1motorsports.com](mailto:info@z1motorsports.com)  
Or call 770 838 7777 between 9am and 6pm ET