

# 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.

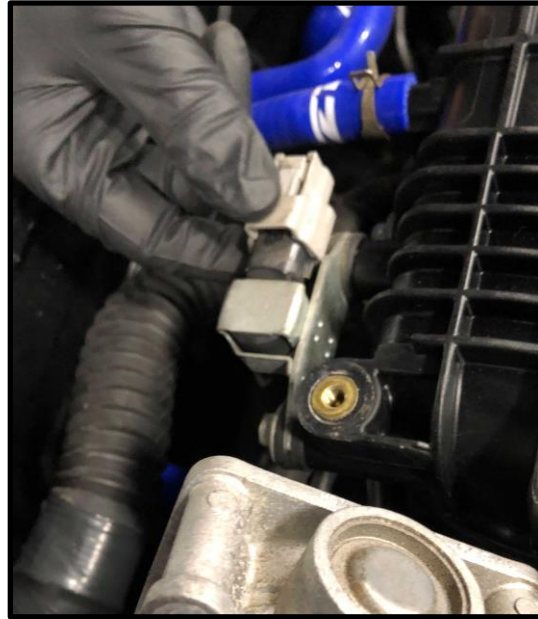
## **BEFORE YOU BEGIN:**

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

## **PROCEDURE:**

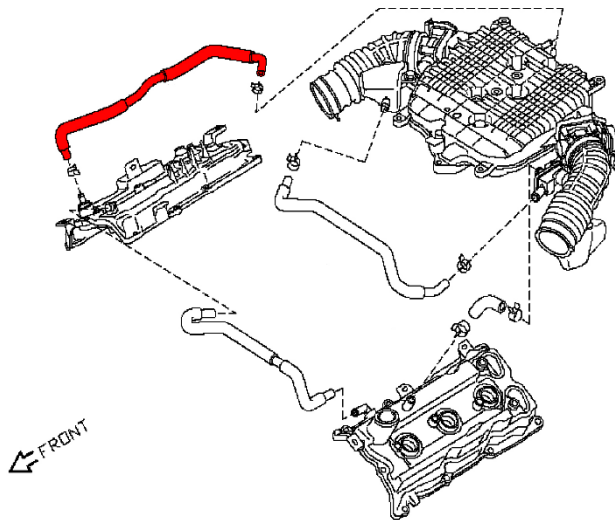
1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Unlatch and raise vehicles hood. Apply hood prop.
3. Remove the (6) bolts and (2) nuts securing strut tower bar to vehicle. Remove strut tower bar and set aside.
4. Remove engine cover.
5. Loosen clamp and remove the passenger air intake pipe from the passenger side throttle body.

6. Remove (4) bolts securing throttle body to engine. Rotate throttle body out of the way.
7. Disconnect the connector located at the back left of the upper intake manifold/plenum (as shown).



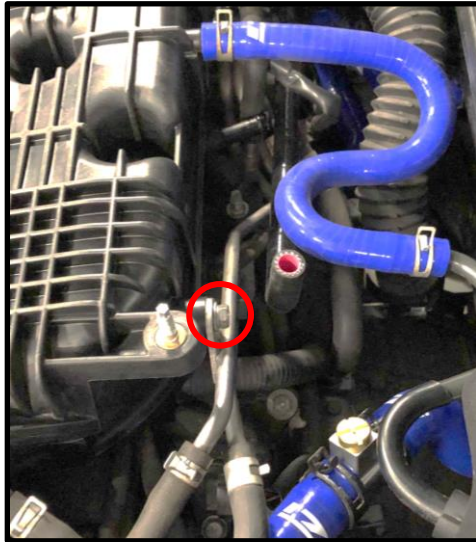
8. Remove (8) bolts securing upper intake manifold/plenum to engine. Do not remove the upper plenum.
9. Loosen hose clamps and remove the OEM PCV hose that runs from the passenger side valve cover to the rear of the upper intake plenum (shown in red below).

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 (as shown).

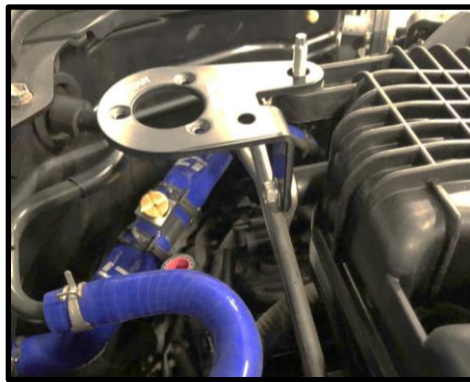


10. Locate new Z1 Oil Catch Can Feed Hose (longer of the two supplied hoses). Attach longer side to PCV port on passenger side valve cover where OEM hose was removed in step #7, secure with hose clamp. Route the hose similar to how the OEM one was just removed, under the throttle body connector toward the rear of the upper intake plenum.

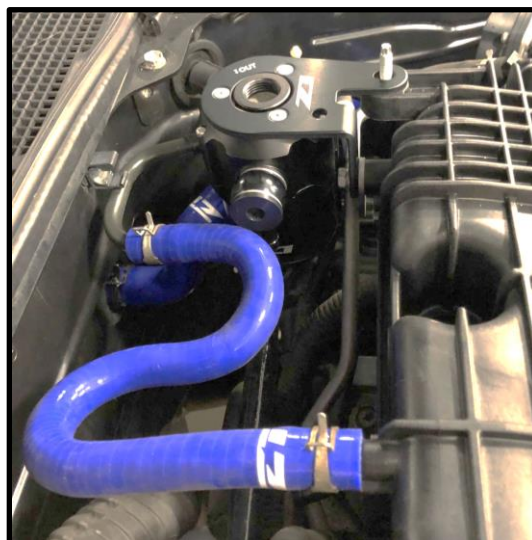
11. Remove the bolt securing the hardline to the back right of the upper intake plenum (circled below). Retain the bolt as it will be reused.



12. Locate catch can bracket. Place catch can bracket onto stud next to bolt removed in step #12. Thread 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, please use the supplied M6-1.0 x 10mm flanged bolt to secure the bracket in place.



13. Locate Z1 Catch Can, (3) M4 screws, and (1) 2.5mm Ball-End Hex Screwdriver. Attach bracket to top of catch can using (3) M4 screws and the supplied 2.5mm Ball-End Hex Screwdriver in the same orientation as pictured below. Be sure the outer screw under the access hole in the top of the bracket is accessible.

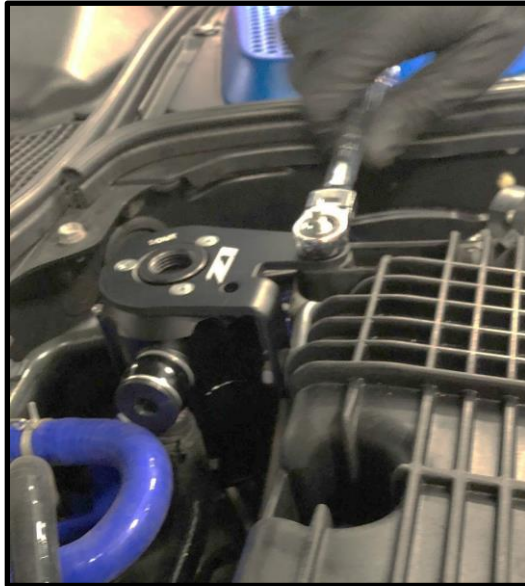




14. Locate (2) banjo fittings, (2) banjo bolts, (4) crush washers. Place a crush washer on each banjo fitting bolt. Then place each bolt through a banjo fitting barb. Place another crush washer on the end of each bolt. Thread a bolt into each slot on catch can (as shown below, off the vehicle). Do not tighten bolts yet.



15. Thread the supplied M6 lock nut onto stud on top of catch can bracket.



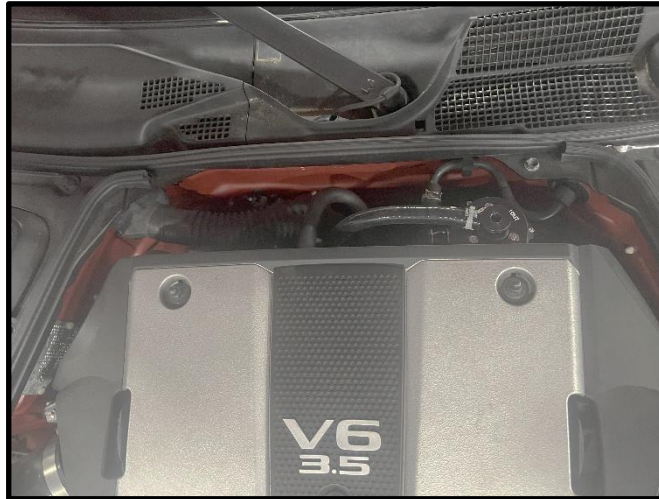
Note: If your plenum does not have a stud in this location, please use the supplied M6-1.0 x 10mm flanged bolt to secure the bracket in place.

16. Attach the loose end of feed hose to the side banjo fitting barb on catch can. Secure with hose clamp.
17. Locate new Z1 Oil Catch Can Return Hose. Attach short end of return hose to the port on back of upper intake plenum (as shown). This is the same port as the OEM hose was removed from in step #7. Secure with hose clamp.
18. Attach the other end to the top banjo fitting barb on catch can. Secure with hose clamp.
19. Using an 8mm Allen wrench, tighten banjo fitting bolts.



20. Repeat steps #3-8 in reverse order to reattach components removed in earlier steps.

Note: If you decide to reinstall the engine cover, some small trimming may be necessary for a perfect finish.



21. Assure all bolts and clamps are securely tightened. Inspect vehicle for loose components or issues.

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

### **Drain Instructions**

1. While supporting the bottom of the catch can, use the supplied 2.5mm ball-end hex screwdriver to unscrew the (3) 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 outer screw closest to the front of the vehicle 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