

Z1 350Z G35 (VQ35DE) CATCH CAN KIT INSTALLATION MANUAL



| This Installation Manual is intended for the following models: | |
|--|--------------------|
| 2003-2006 | Nissan 350Z |
| 2003-2006 | Infiniti G35 Sedan |
| 2003-2007 | Infiniti G35 Coupe |

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 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 - M18 Bolt to 3/8" Barb |
| 3 | 2 | M18 x 27mm 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 Screw |
| 9 | 4 | Hose Clamp |

TOOLS REQUIRED:

- Ratchet
- Pliers
- 2.5mm Allen Wrench
- 8mm Allen Wrench
- 10mm Socket/Wrench
- Flat-Head Screwdriver

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- 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 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. Locate catch can, catch can bracket, (2) banjo fittings, (2) M18 banjo fitting bolts, (4) crush washers, and (3) M4 screws.
3. Attach bracket to top of catch can using (3) M4 screws and a 2.5mm Allen wrench (as shown).
4. Place a crush washer on both sides of the (2) banjo fittings. Place a M18 bolt through fittings and washers. Thread loosely into catch can (as shown).
5. Unlatch and raise vehicle's hood. Apply hood prop.

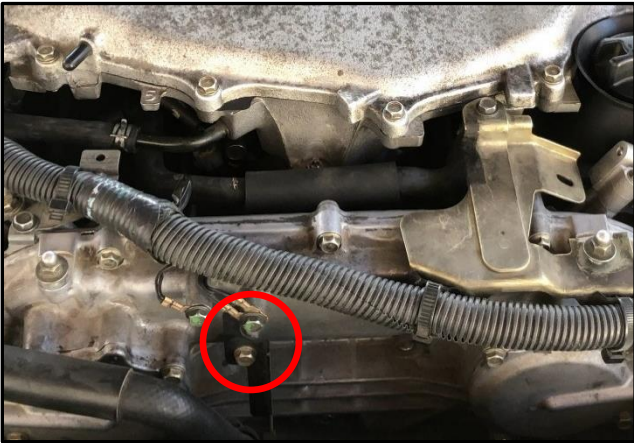


6. Remove (2) 10mm bolts on front timing cover (circled below).

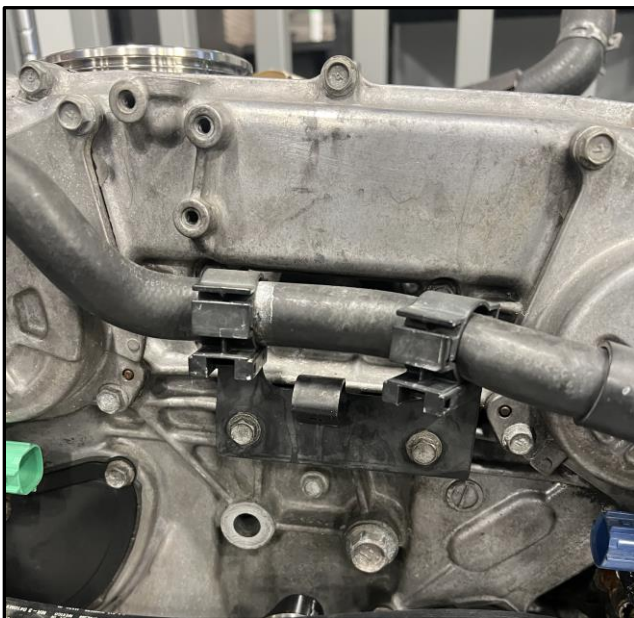
Note: Take note of any ground connections secured by bolts.

7. Using the front timing cover mounting holes, attach catch can bracket to front timing cover.

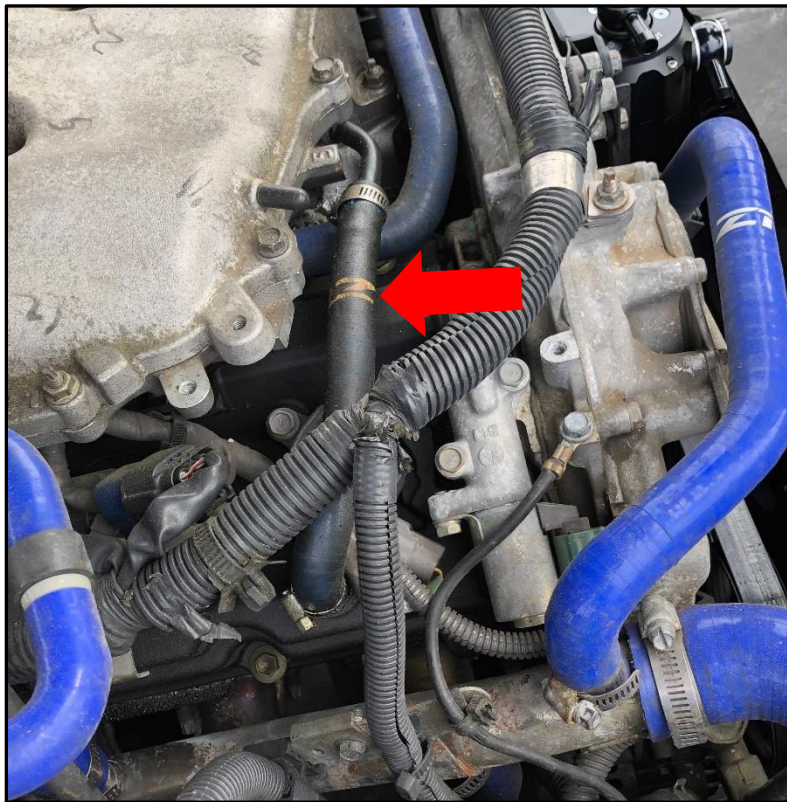
Note: Reattach any grounds that were disconnected in step #6. Torque 10mm bolts to 9ft-lbs.



Note: Models with a Rev-Up engine have a slightly different bracket holding the coolant crossover hose. Rev-Up equipped models will need to remove the hose from the clips and remove the (2) bolts to remove the bracket completely (as shown below).



8. Loosen hose clamps and remove factory PCV hose just below the front of the intake plenum.



9. Locate Z1 feed and return catch can hoses. Place a hose clamp on each end of each hose.

10. Attach feed hose end with sharp bend to valve cover connector (as shown). Attach the other end to front barb on catch can. Secure with hose clamp.

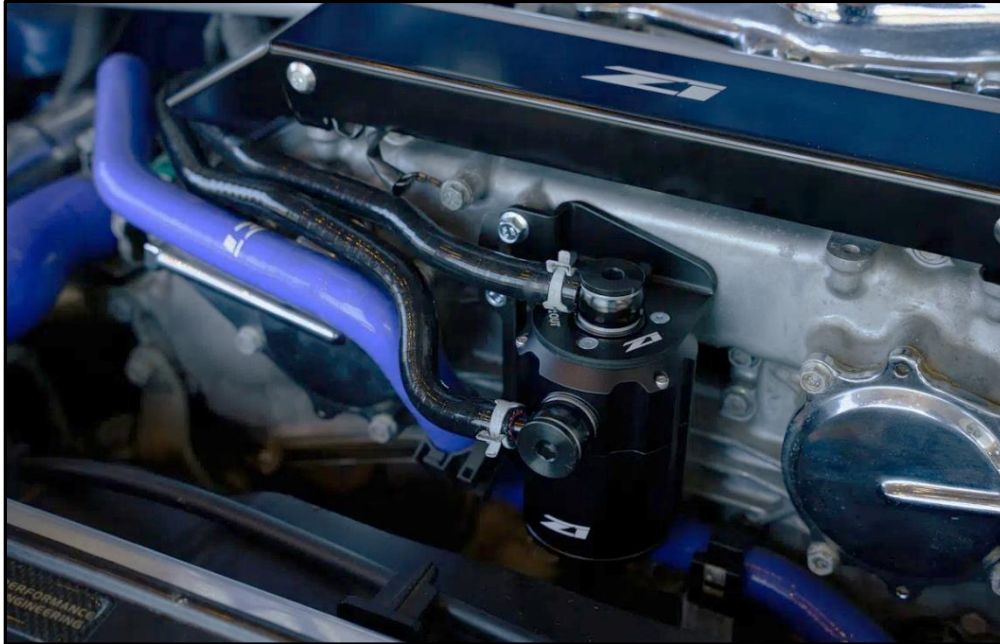
11. Attach longer end of return hose to top barb on catch can. Attach the other end to connector at front of intake plenum (as shown). Secure with hose clamp.



12. Using 8mm Allen wrench tighten banjo fitting bolts on catch can.

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

Note: Completed kit should look as shown below.



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 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
Or call 770 838 7777 between 9am and 6pm ET