

# Z1 370Z / G37 CATCH CAN KIT INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2009-2020	Nissan 370Z
2008-2015	Infiniti G37

## 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 370Z / G37 Catch Can Kit, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

## **PARTS INCLUDED:**

Item	Quantity	Description
1	2	Z1 Universal Catch Can
2	4	Banjo Fitting w/ Barb
3	4	Banjo Bolt
4	8	Crush Washer
5	6	M4-0.7 x 8mm Screw
6	8	Hose Clamp
7	2	2.5mm Ball-End Hex Screwdriver
8	1	Catch Can Bracket - Passenger
9	1	Catch Can Bracket - Driver
10	1	Catch Can Return Hose - Passenger
11	1	Catch Can Return Hose - Driver
12	1	Catch Can Feed Hose - Passenger
13	1	Catch Can Feed Hose - Driver
14	2	M6-1.0 x 40mm Flanged Bolt
370Z Catch Can Kit will provide the following:		
15	2	M6-1.0 x 16mm Flanged Bolt
G37 Catch Can Kit will provide the following:		
16	2	M6-1.0 x 25mm Flanged Bolt
17	2	12mm Tall Aluminum Spacer

## **TOOLS REQUIRED:**

- Ratchet
- Pliers
- 10mm Socket/Wrench
- 8mm Hex Socket/Wrench
- 2.5mm Hex Socket/Wrench (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 370Z / G37 Catch Can Kit and verify that ALL necessary hardware is present.

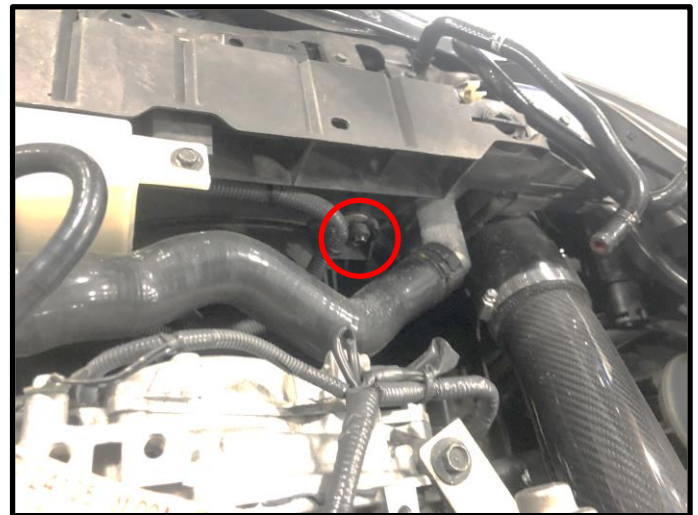
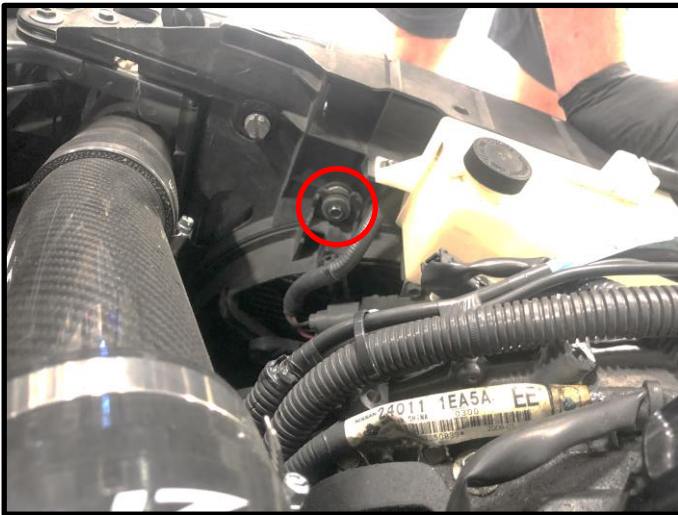
## **PROCEDURE:**

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.

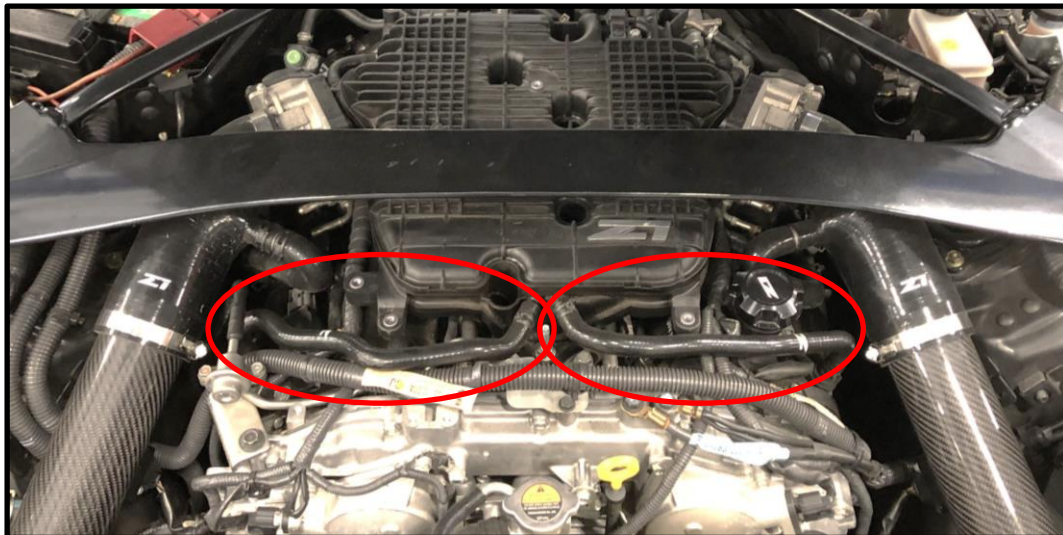
2. Unlatch and raise vehicle's hood. Apply hood prop.
3. Locate (2) assembled catch cans, both catch can brackets, (6) M4-07 x 8mm screws, and (1) supplied 2.5mm ball-end hex screwdriver.
4. Attach a bracket to the top of each catch can using (3) supplied M4 screws. Orient the bracket so the Z1 logo on the can is opposite of the logo on the bracket.
5. Locate (4) banjo fittings, (4) banjo fitting bolts, and (8) crush washers.
6. Place a crush washer on each banjo bolt. Insert each bolt through a banjo fitting. Place another crush washer on end of each bolt. Thread bolts with banjo fittings and washers into each port on catch can (as shown). Do not fully tighten bolts yet.



7. Remove (1) bolt on each side of the radiator core support (circled below).



8. Remove both OEM PCV hoses, running from each valve cover to the front of the intake plenum (circled below).

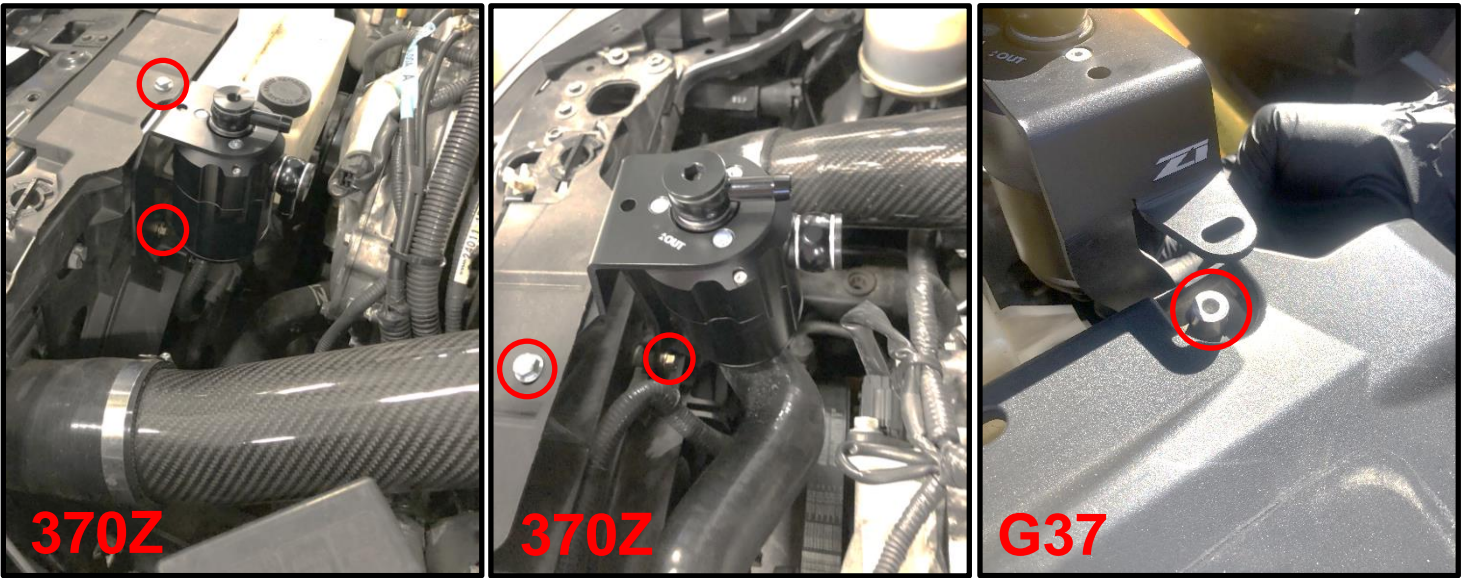


9. Using the 40mm bolt, attach driver side catch can assembly to radiator core support where bolt was removed in step #7.
10. For Nissan 370Z Models:  
Secure the top of the catch can bracket to the core support using (1) 16mm bolt and the hole in the top of the core support (as shown).

For Infiniti G37 Models:

Locate (1) 12mm aluminum spacer. Place aluminum spacer between catch can bracket and radiator shroud (as shown below at right). Secure with 25mm bolt.

11. Repeat steps #9-11 on passenger side of vehicle.

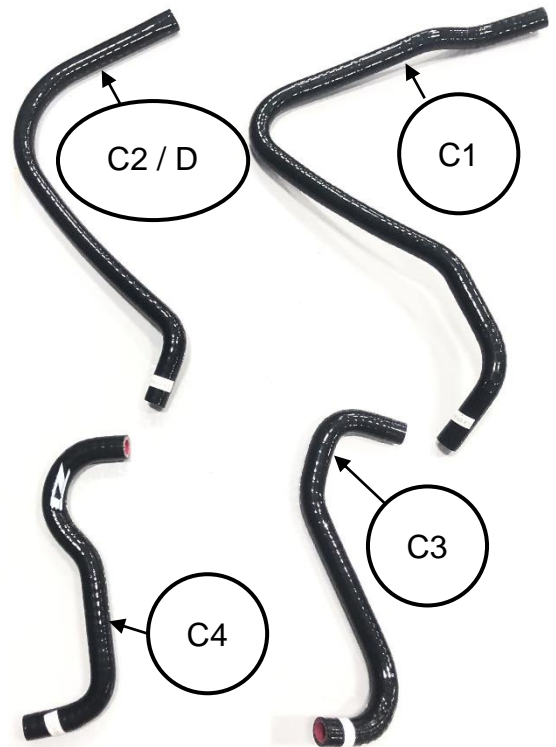


12. Locate all (4) Z1 Catch Can Hoses. Each hose should have a removeable label with its part number.

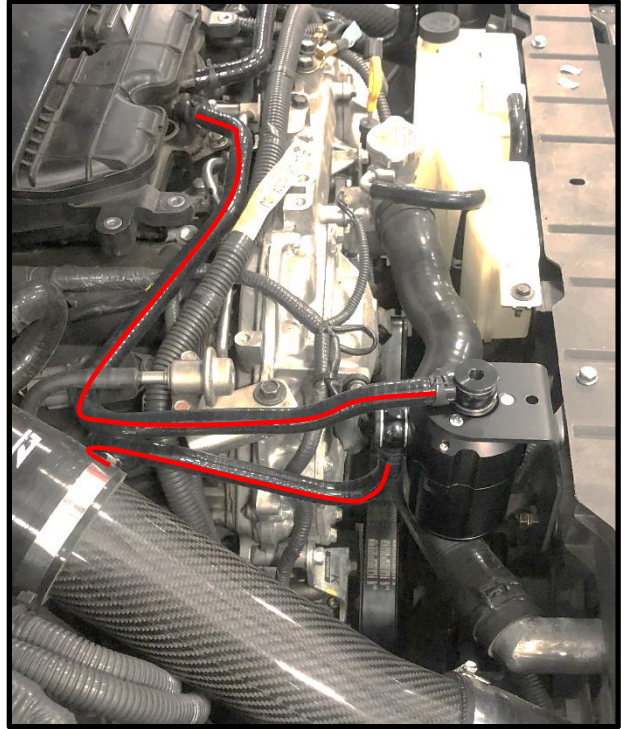
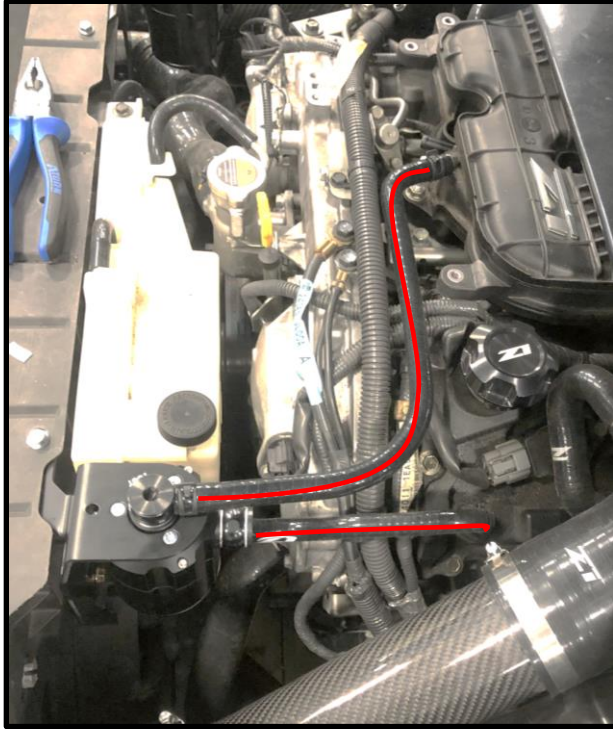
Use the following chart as reference for the location and routing of hoses:

Hose	Location & Routing
20044-C1	Passenger Can Out → Passenger Side Plenum Port
20044-C3	Passenger Can In → Passenger Side Valve Cover
20044-C4	Driver Can In → Driver Side Valve Cover
370Z Catch Can Kit will provide the following:	
20044-C2	Driver Can Out → Driver Side Plenum Port
G37 Catch Can Kit will provide the following:	
20064-D	Driver Can Out → Driver Side Plenum Port

Note: The G37 Driver Return hose (20064-D) is not pictured. It has a similar shape to the 370Z version (20044-C2) but with a tighter middle bend. Refer to the removeable part number label on each hose.



13. Attach the round end of C4 (end with Z1 logo) to the driver side can's "IN" port. Attach other end to driver side valve cover port. Secure each end with a hose clamp (as shown below).
14. Attach the longer end of C2 to the driver side can's "OUT" port on the top of the can. Attach the other end to the driver's side port on the intake plenum. Secure each end with a hose clamp (as shown below).
15. Attach the round end of C3 to the passenger side can's "IN" port. Attach the other end (one with 90° bend) to the passenger side valve cover port. Secure each end with a hose clamp (as shown below).
16. Attach the longer end of C1 to the passenger side can's "OUT" port on the top of the can. Route the hose under the diaphragm and vacuum line and attach the other end to the passenger's side port on the intake plenum. Secure each end with a hose clamp (as shown below).



17. Using an 8mm hex socket/wrench, tight both banjo bolts.
18. Assure all bolts and clamps are securely fastened. Inspect vehicle for loose components or issues.
19. 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 on each catch can 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