

Z1 Z CATCH CAN INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2023+

Nissan Z

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 Nissan Z 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 Assembled Catch Can
2	2	Banjo Fitting M18 Bolt to 3/8" Barb
3	2	Banjo Fitting 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
10	1	M8 x 12mm Flange Bolt
11	1	2.5mm Ball-End Hex Screwdriver

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Wrenches
- Assorted Metric Sockets
- Torque Wrench
- 5mm Hex Key
- 8mm Hex Key

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 Nissan Z 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 (4) four bolts securing the Driver Side Intercooler to the vehicle.
4. Disconnect the (2) two Electrical Connectors located on the Driver Side Intercooler. Disconnect the Intercooler Inlet Pipe on the bottom right corner of the Intercooler. *Figure 1.*



Figure 1

5. Loosen the Clamp at the Driver Side Throttle Body and rotate the Intercooler out of the way towards the front of the vehicle. *Figure 2.*



Figure 2

6. Disconnect the factory PCV Hose. It is attached to the front of the Driver Side Valve Cover next to Oil Fill Cap, and connects to the rear of the Intake Manifold, next to the Driver Side Throttle Body. *Figure 3.*



Figure 3

7. Locate the Z1 Catch Can Feed and Return Hoses. *Figure 4.*

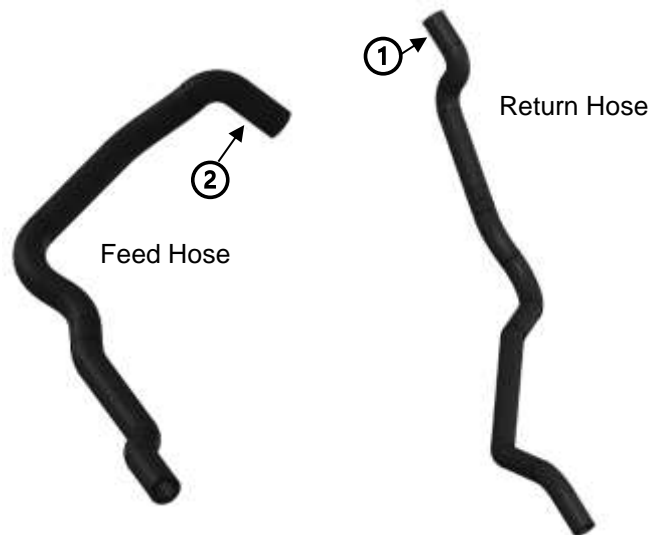


Figure 4

8. Attach the Return Hose end labeled **1** to the port on the Upper Intake Manifold next to the Driver Side Throttle Body where the OEM Hose was removed in *Step 6*. Secure the hose with a Hose Clamp. Route the rest of the hose along the Intake Plenum and under the other Factory Coolant Hoses and towards the front of the car.
9. Attach the Feed Hose end labeled **2** to the port on the Driver Side Valve Cover where the OEM Hose was removed in *Step 6*. Secure the Hose with a Hose Clamp. Route the rest of the Hose under the other Factory Coolant Hoses towards the front of the car. *Figure 5.*



Figure 5

10. Locate the Z1 Catch Can, Catch Can Bracket, (3) three M4 Flat Head Socket Cap Screws, (2) two Banjo Fittings, (2) two Banjo Bolts, (4) four Crush Washers and the supplied 2.5mm Hex Screwdriver.
11. Use the 2.5mm Hex Screwdriver and the M4 Flat Head Screws, attach the Catch Can Bracket to the Z1 Catch Can in the same orientation as *Figure 6* below.

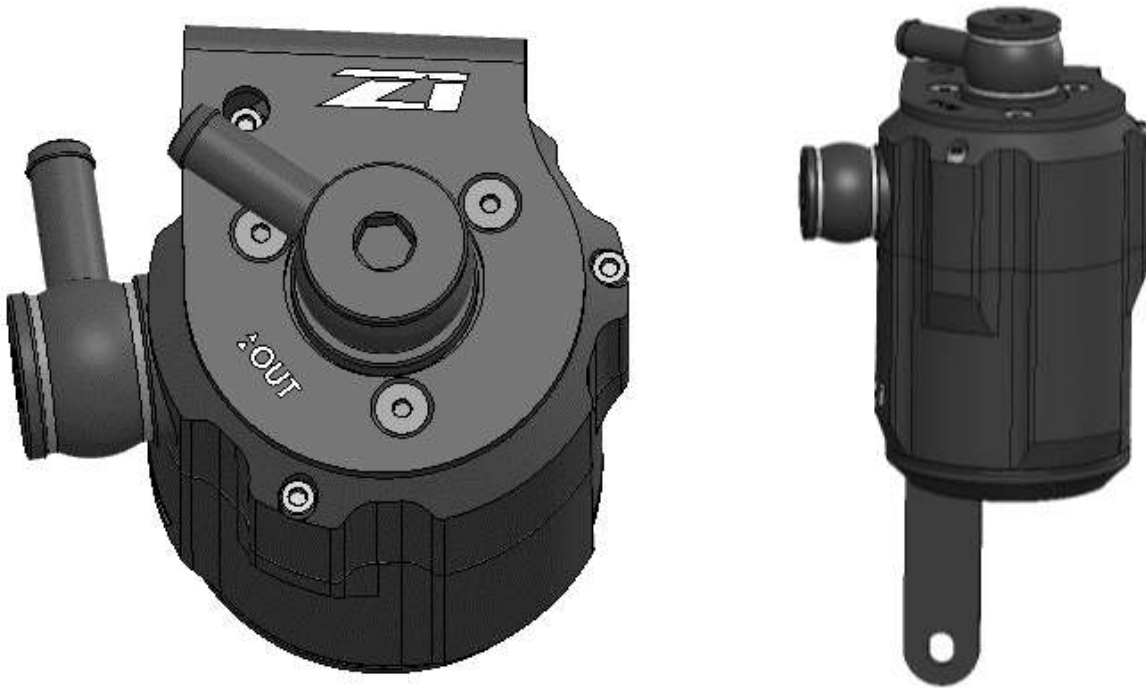


Figure 6

12. With the Bracket attached, install the Banjo Bolt with a Crush Washer into a Banjo Fitting, with another Crush Washer on the other side. Install the Banjo Fittings loosely into the Catch Can.
13. If you are installing the Catch Can Drain Kit, do so now.

14. Remove the bolt on the front of the engine circled below. The Catch Can Bracket will mount here. *Figure 7.*



Figure 7

15. Attach the Catch Can Bracket to the front of the engine using the mounting point and bolt removed in *Step 14*. Using the supplied M8 Flanged Bolt, secure the other mounting point of the Bracket to the threaded hole on the engine, shown below.
16. Attach the Return Hose to the top Banjo Fitting. Secure with a Hose Clamp.
17. Attach the Feed Hose to the front Banjo Fitting. Secure with a Hose Clamp.
18. Using an 8mm Hex Key, tighten the Banjo Bolts.
19. Follow *Steps 3-5* in reverse to reinstall the Driver Side Intercooler.
20. Start the vehicle and check for any leaks or faulty operation of the Z1 Catch Can.

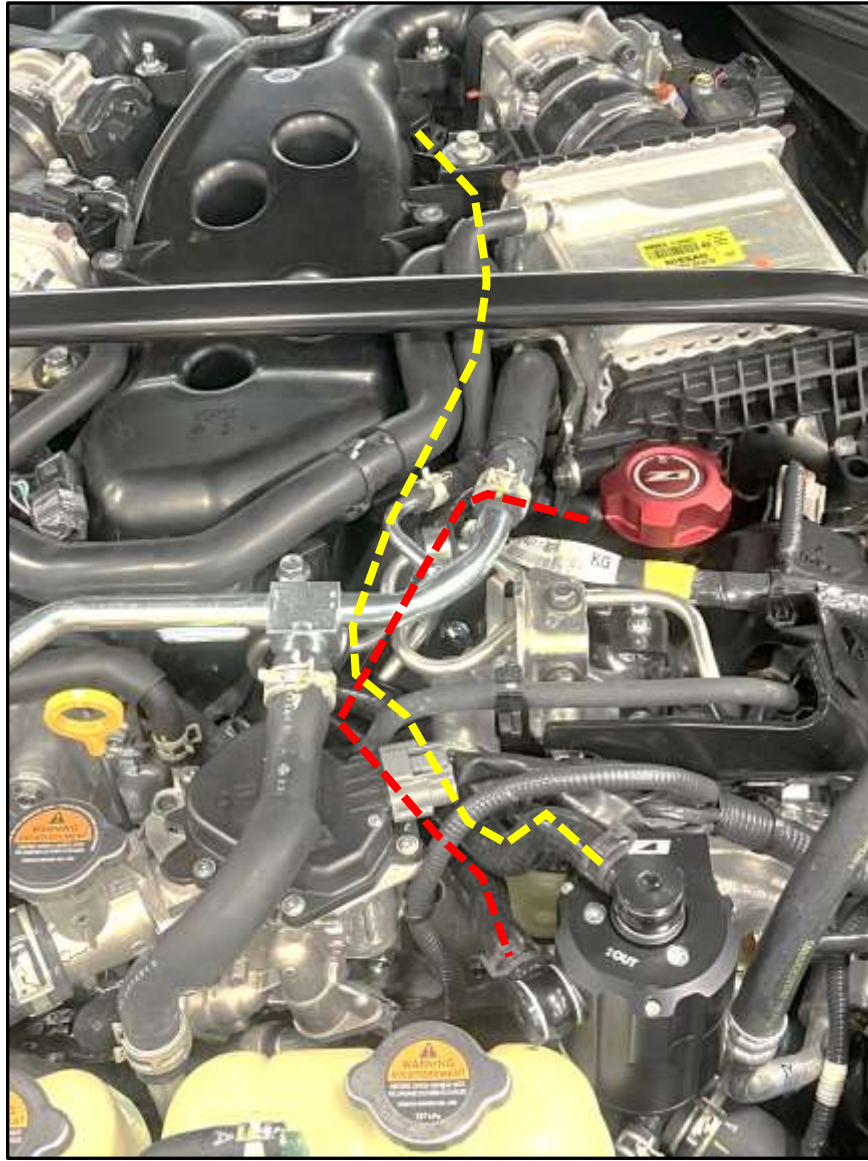


Figure 8

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

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