

# Z1 2020+ (VQ38) FRONTIER OIL CATCH CAN INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2020+

Nissan Frontier (VQ38)

## 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 Off-Road 2022+ Frontier Oil Catch Can, consult with a Professional Mechanic or contact Z1 Off-Road for more information.

## **PARTS INCLUDED:**

Item	Quantity	Description
1	1	Z1 Assembled Catch Can
2	1	Z1 Catch Can Bracket
3	1	Catch Can Return Line
4	1	Catch Can Feed Line
5	2	Banjo Fitting - Banjo
6	2	Banjo Fitting - Bolt
7	4	Crush Washer
8	3	M4 x 8mm Screw
9	4	Hose Clamp
10	1	2.5mm Ball-End Hex Screwdriver

## **TOOLS REQUIRED:**

- Ratchet
- Ratchet Extension(s)
- 10mm Socket/Wrench
- 8mm Allen/Hex Key
- 5mm Allen/Hex Key
- Pliers

## **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.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- Only operate drivetrain in safe space and well-ventilated areas.

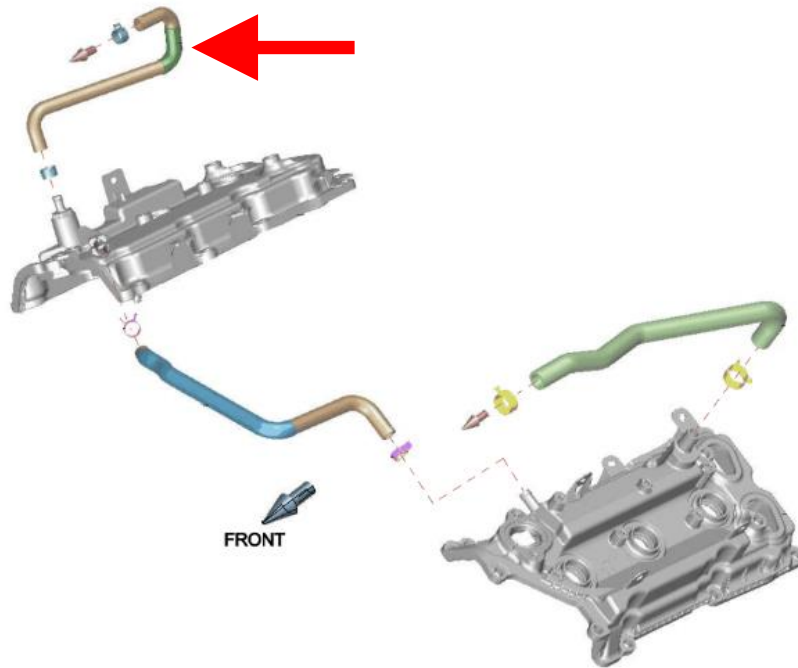
## **BEFORE YOU BEGIN:**

Remove contents from the Z1 Off-Road 2022+ Frontier Oil Catch Can and verify that ALL necessary hardware is present.

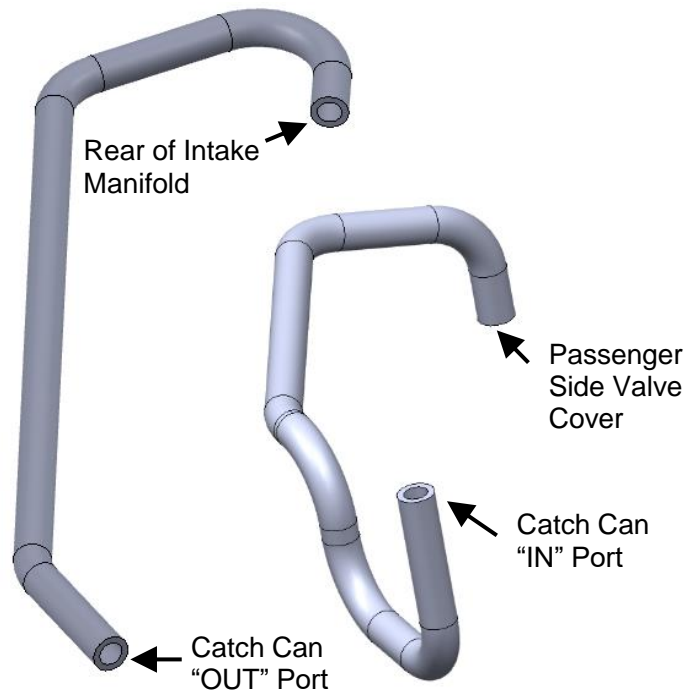
## **PROCEDURE:**

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Open hood and remove engine cover.

3. Remove the OEM PCV hose going from the passenger side valve cover to the intake plenum. Hose is shown in the diagram below.



4. Locate both silicone hoses and (2) supplied hose clamps.
5. Install the hoses according to the diagram below onto the same ports the OEM hoses were removed from in step # 3 with a supplied hose clamp.



6. Locate Z1 assembled catch can, catch can bracket, (3) M4 x 8mm screws, (2) banjo fitting barbs, and (2) banjo fitting bolts. Attach the catch can to the bracket with (3) M4 screws, making sure the front of the catch can with the "IN" port is facing the front (as shown below).
7. Insert a banjo fitting bolt through each banjo barb with a crush washer on both sides. Secure banjo fittings to catch can (as shown below).
8. Remove (2) bolts on the passenger side of the throttle body and attach catch can bracket under those bolts.



9. With a clamp on each end, attach hoses to the catch can as shown above and according to the diagram under step # 3.
10. Using an 8mm Allen/hex key, tighten both banjo fitting bolts.
11. Reattach engine cover.
12. Assure all bolts and clamps are securely tightened. Inspect vehicle for loose components or issues.

## END

**Additional Technical Support:**  
 Contact Z1 Off-Road at [info@z1offroad.com](mailto:info@z1offroad.com)  
 Or call 678-839-8019 between 9am and 6pm ET

## 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 back screw should be accessible through the access hole on the top of the bracket. You may need to loosen the top banjo bolt and rotate the banjo barb out of the way to access the hole.
2. Remove the bottom of the Z1 Oil Catch Can. Properly dispose of oil.
3. Reattach bottom of catch can.