

# Z1 FRONTIER / XTERRA / PATHFINDER BAFFLED OIL CATCH CAN INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2005-2012	Nissan Pathfinder 4.0L
2005-2015	Nissan Xterra
2005-2020	D40 Nissan Frontier 4.0L

## 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 Frontier / Xterra / Pathfinder Baffled 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 Frontier / Xterra / Pathfinder Baffled Oil Catch Can and verify that ALL necessary hardware is present.

## **PROCEDURE:**

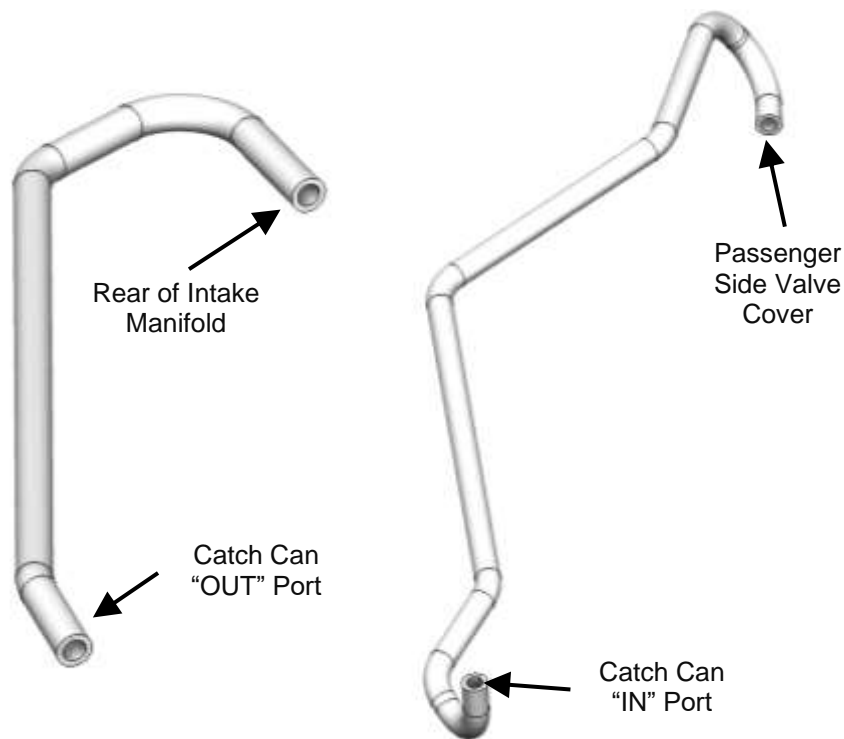
1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Open and support the hood of the vehicle.
3. Remove the Engine cover if applicable.
4. Remove the OEM PCV hose routing from the Passenger Side Valve Cover to the rear of the Intake Plenum.  
*Figure 1.*



*Figure 1*

5. Locate both Silicone Hoses and (2) two supplied Hose Clamps.

6. Install the Hoses according to the diagram below onto the same ports the OEM Hose was removed from in *Step 4* and secure with a supplied Hose Clamp. *Figure 2*.



*Figure 2*

7. Locate the Z1 Assembled Catch Can, Catch Can Bracket, (3) three M4 x 8mm screws, (2) two Banjo Fittings, and (2) two Banjo Bolts. Attach the Catch Can to the Bracket with (3) three M4 screws, making sure the front of the catch can with the "IN" port is on the left side of the bracket (as shown below).
8. Insert a Banjo Bolt through each Banjo Fitting with a Crush Washer on both sides. Secure the Banjo Fittings to the Catch Can. If you are installing the [Z1 Catch Can Drain Kit](#), do so at this point. *Figure 3*.



*Figure 3*

9. Remove the (2) two bolts on the passenger side of the Throttle Body and attach the Catch Can Bracket under those bolts. *Figure 4.*



*Figure 4*

10. With a Hose lamp on each end, attach the hoses to the Catch Can as shown above in *Figure 4* and according to the diagram under *Step 6*.
11. Using an 8mm Allen/hex key, tighten both Banjo Bolts.
12. Reinstall the Engine Cover if applicable.

## **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) three 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 Fitting out of the way to access the hole.

2. Remove the bottom of the Z1 Oil Catch Can. Properly dispose of any oil.
3. Reattach the bottom of the Catch Can.

## **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