

Z1 OFFROAD INTAKE UPGRADE RETROFIT INSTALLATION MANUAL



This Installation Manual is intended for the following models:	
2005-2021	Nissan Frontier (D40)
2022+	Nissan Frontier (D41)
2005-2015	Nissan Xterra (N50)

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 Intake Upgrade Retrofit, consult with a Professional Mechanic, or contact Z1 Off-Road for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Window Seal
2	1	Window
3	1	Window Bezel
4	1	Window Backer
5	1	Filter Flange
6	1	Fender Grommet
7	1	Hose Clamp
8	8	Button Head Screw

TOOLS REQUIRED:

- Ratchet
- Ratchet Extension(s)
- Assorted Metric Sockets
- Assorted Metric Wrenches
- Allen/Hex Keys

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 Intake Upgrade Retrofit Kit and verify that ALL necessary hardware is present.

This product is intended for users with the Z1 Off-Road Frontier/Xterra Cold Air Intake to upgrade the window on the Intake Box.

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 Z1 Intake Tube and Filter from the vehicle. *Figure 1.*
 - a. Loosen the Hose Clamps on the Throttle Body Coupler.
 - b. Remove the Hose Clamp securing the PCV Hose to the Intake and disconnect the PCV Hose.
 - c. Disconnect the MAF Sensor.

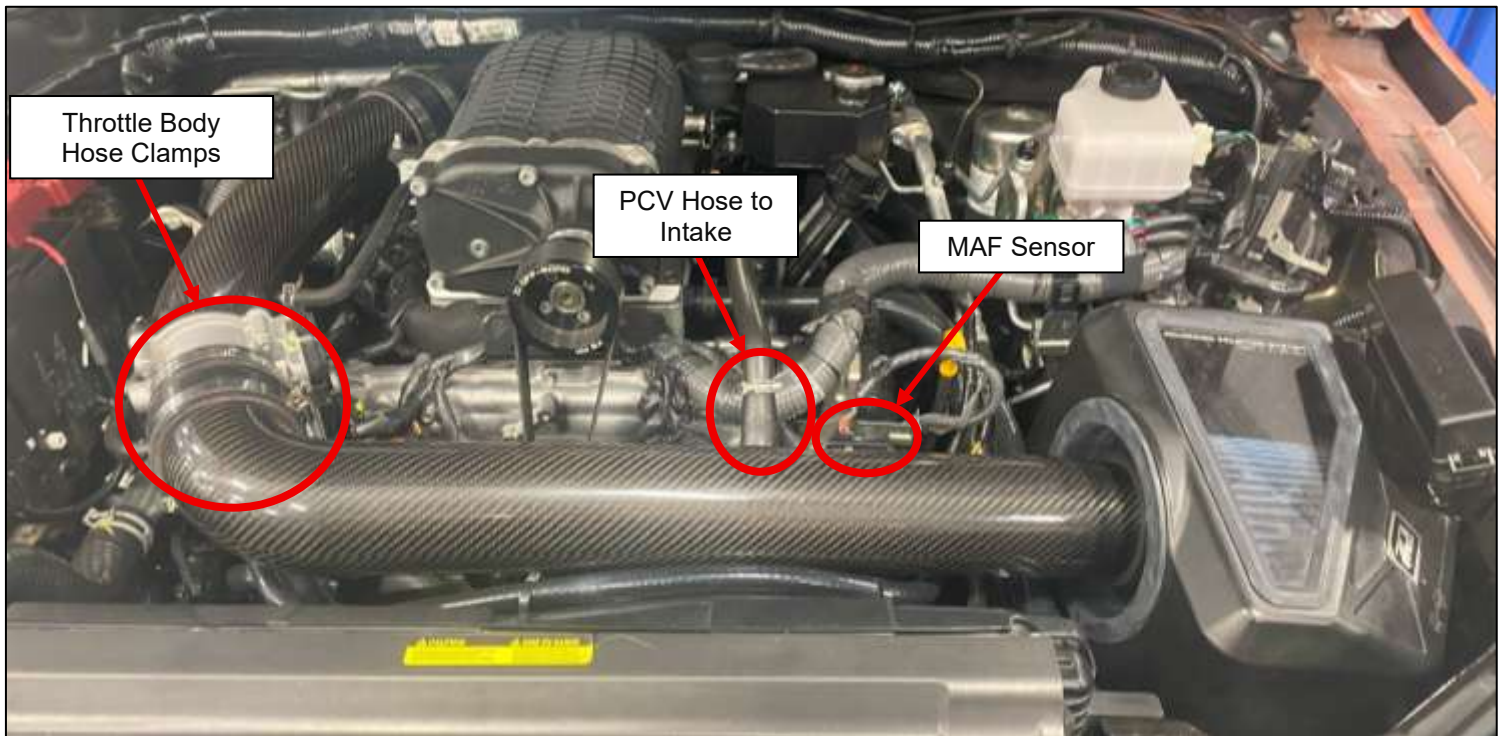


Figure 1

- d. Remove the Intake Tube from the Throttle Body and Intake Box.

4. Loosen the Hose Clamp securing the Air Filter to the Intake Tube and Grommet. *Figure 2.*



Figure 2

5. Remove the Air Filter and Grommet from the Intake Tube.
6. Place the new Filter Flange onto the Intake Tube and loosely secure with a Hose Clamp. The larger diameter lip of the Flange will be on the outside. *Figure 3.*
7. Reinstall the Air Filter onto the Intake Tube and secure with a Hose Clamp. *Figure 3.*



Figure 3

8. Pop the original Window out of the Air Intake Box. *Figure 4.*



Figure 4

9. Locate the Window, Window Seal, Window Backer, Window Bezel and (8) eight Button Head Screws. Place the Window seal onto the Window Backer. *Figure 5.*

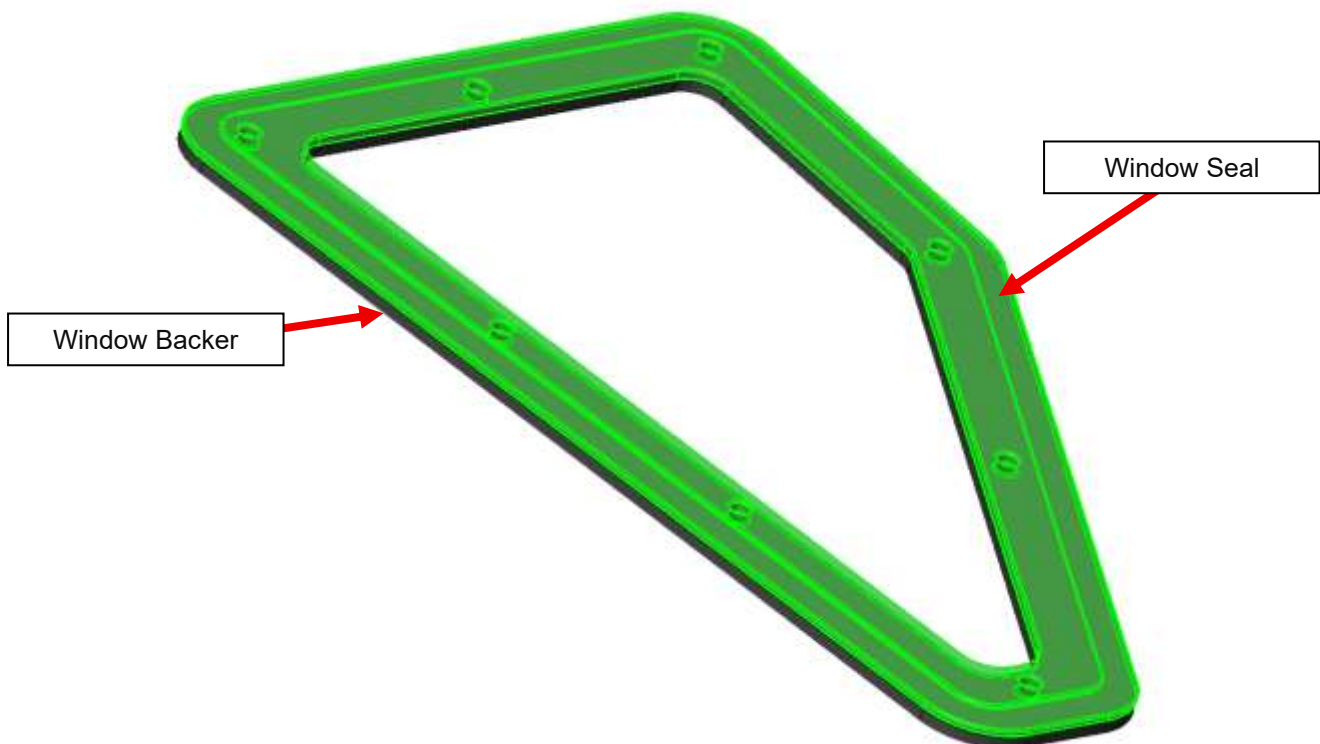


Figure 5

10. Insert the Window Backer and Seal into the Airbox with the Seal facing upwards. *Figure 6.*

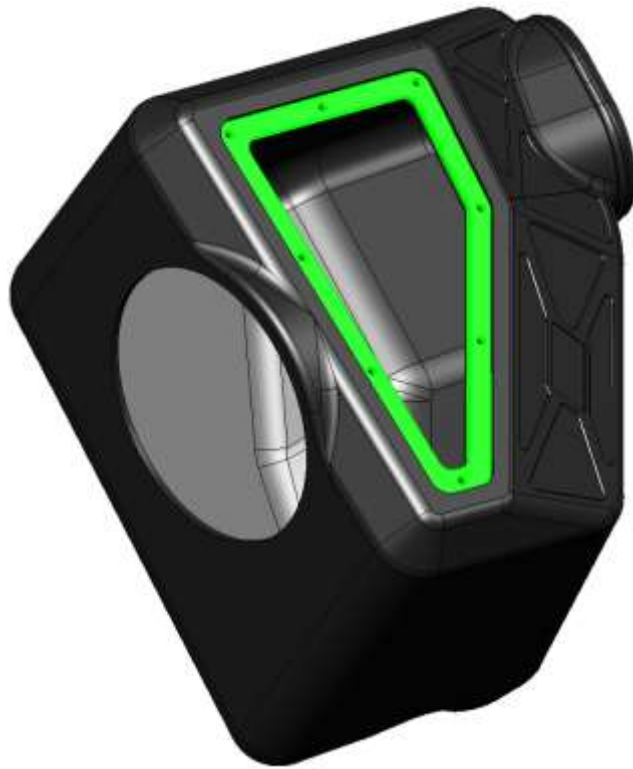


Figure 6

11. Place the new Window into the opening of the Airbox. Slight trimming of the lip on the Airbox may need to be necessary if the Window does not fit into the Airbox easily. *Figure 7.*

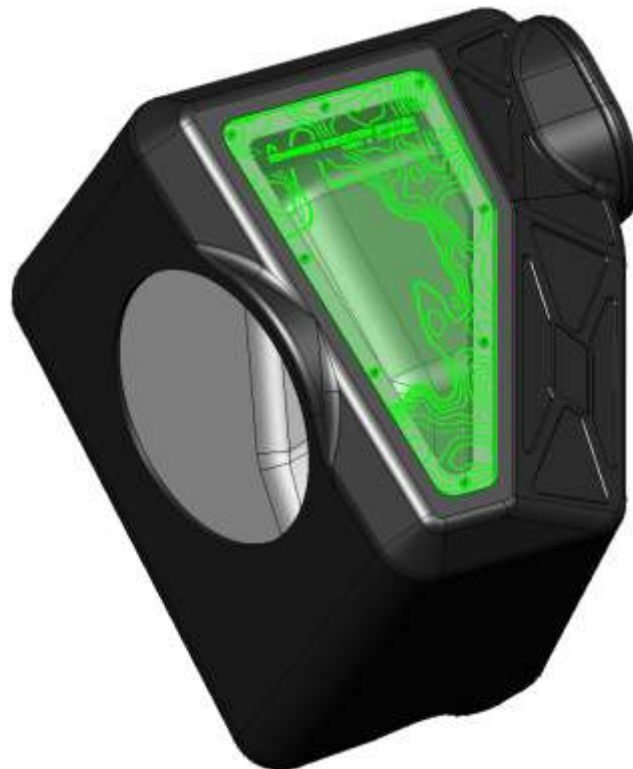


Figure 7

12. Place the Window Bezel on top of the Airbox. *Figure 8.*



Figure 8

13. Line up the Window Backer, Seal, Window and Window Bezel within the Airbox. Once lined up, secure with the (8) eight Button Head Screws. *Figure 9.*

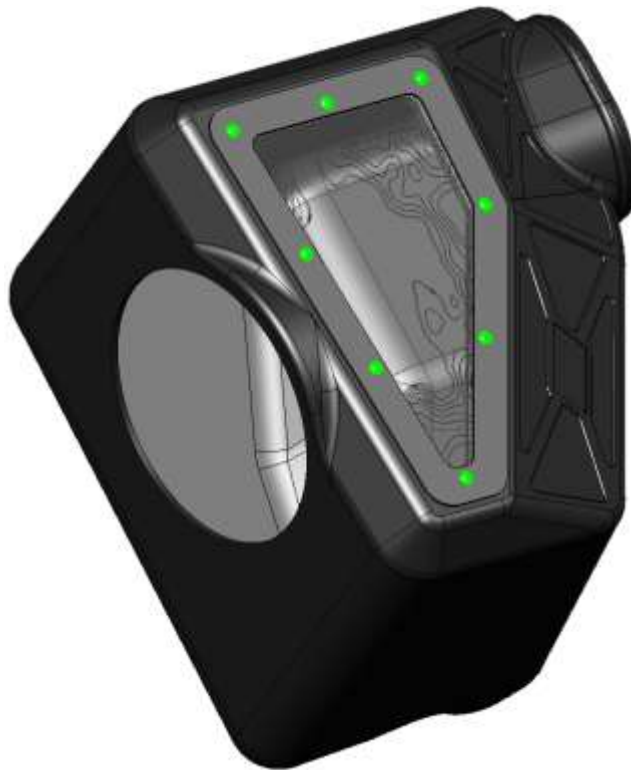


Figure 9

14. Remove the Fender Grommet and velocity stack from the Fender. The Air Box may need to be removed to access the Grommet.
15. Install the new Fender Grommet into the Fender.
16. Reinstall the Air Box to the vehicle and join the Flange to Fender Grommet.
17. Reinstall the Air Intake Tube into the Airbox and onto the Throttle Body.
18. Seat the Filter Flange groove into the Airbox to seal the Airbox. *Figure 10.*



Figure 10

19. Tighten all Hose Clamps on the Intake Tube.
20. Reinstall the PCV Hose and MAF Connector.

END

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