

# Z1 FRONTIER XTERRA GAS TANK SKID PLATE INSTALLATION MANUAL



This Installation Manual is intended for the following models:	
2005-2021	Nissan Frontier
2022+	Nissan Frontier
2005-2015	Nissan Xterra

## 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 Gas Tank Skid Plate, consult with a Professional Mechanic or contact Z1 Off-Road for more information.

## **PARTS INCLUDED:**

Item	Quantity	Description
1	1	Z1 Gas Tank Skid Main Panel
2	5	5 Brackets
3	8	M10 x 25mm Bolt
4	8	M10 Washer
5	4	M8 x 30mm Bolt
6	4	M8 Washer

## **TOOLS REQUIRED:**

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Sockets (up to 21mm)
- Assorted Metric Wrenches (up to 21mm)
- Torque Wrench
- Hammer

## **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.

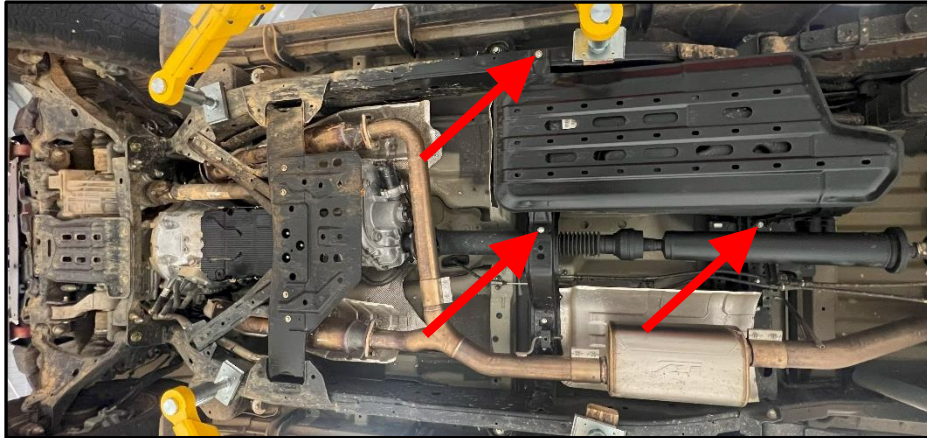
## **BEFORE YOU BEGIN:**

Remove contents from the Z1 Off-Road Frontier Xterra Gas Tank Skid Plate box. The skid plate will come with extra hardware that is not needed. The correct hardware will be stainless steel and zinc coated steel and bagged together in a 4" poly bag. There will be extra hardware (mostly black phosphate) that can be discarded.

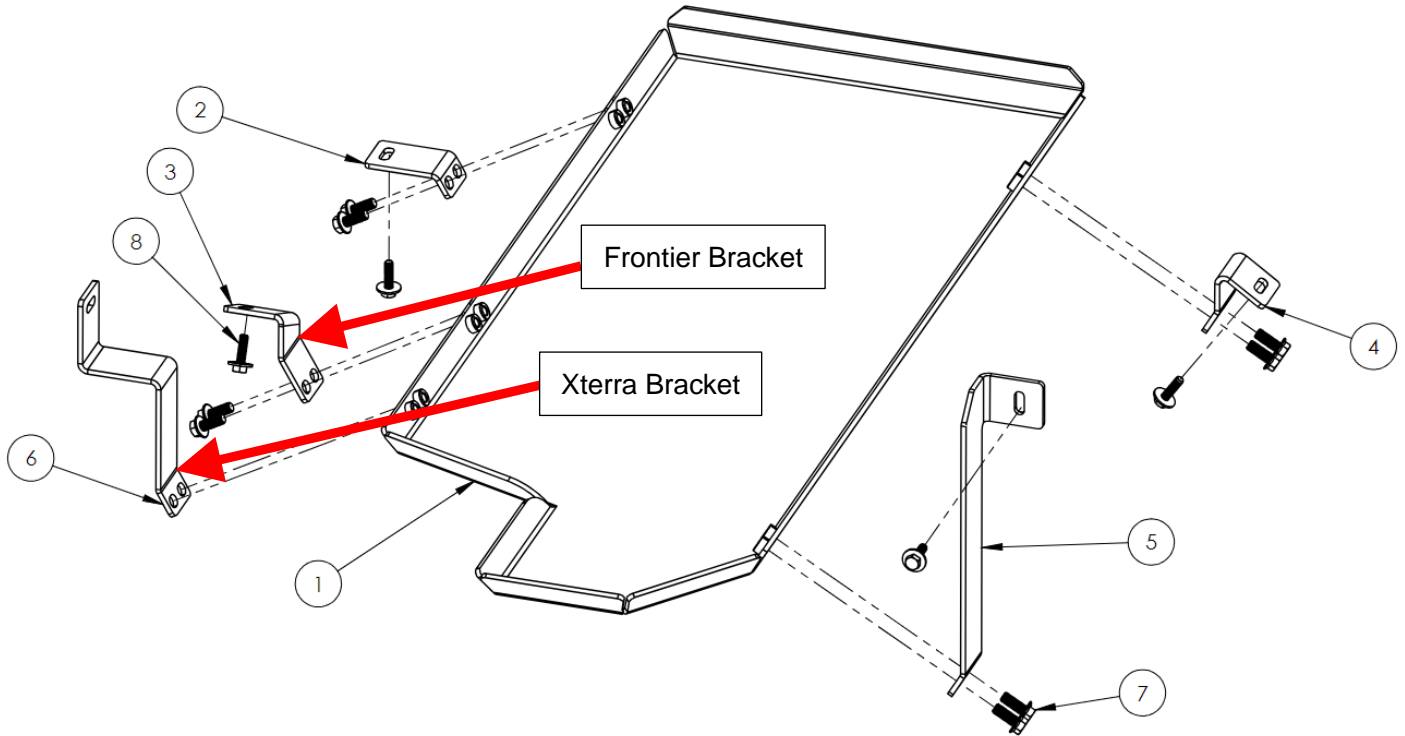
## **PROCEDURE:**

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.

3. Remove the OE gas tank cover. It is attached to the vehicle at the corners with (4) bolts (3 of which are shown below with arrows).



4. Locate the Z1 Gas Tank Skid Plate, all (5) brackets, all (8) M10 x 25mm bolts, and (8) M10 washers.
5. Loosely assemble the brackets onto the skid plate according to the diagram below. Each bracket will mount to the skid plate with (2) M10 x 25mm bolts and (2) M10 washers. The back left (driver rear) bracket is different on the Frontier vs. the Xterra, so one bracket will be unused. Use the diagram below as reference.



6. Once all the brackets are loosely installed, position the skid plate underneath the gas tank on the vehicle. Loosely install the brackets to the vehicle using the provided (4) M8 x 30mm bolts and (4) M8 washers. Leaving everything loose will provide small adjustment making the install easier.
7. Once all bolts are loosely installed, go back and tighten all hardware in steps. Torque all M8 bolts securing the brackets to the vehicle to 10ft-lbs. Torque all M10 bolts securing the brackets to the skid plate to 20ft-lbs.
8. Check vehicle for loose tools/items.
9. Properly lower vehicle from jack and jackstands.
10. Take vehicle for a test drive.

**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

