

# Z1 FRONTIER FENDER LINER GUARD INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2022+

Nissan Frontier (Short-Bed Models)

## 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 Fender Liner Guard, consult with a Professional Mechanic, or contact Z1 Off-Road for more information.

## **PARTS INCLUDED:**

Item	Quantity	Description
1	1	RH Guard
2	1	LH Guard
3	2	Frame Bolt Sleeve
4	2	M12 x 1.25 Frame Nut
5	2	Frame Bolt
6	2	Frame Support Bracket
7	8	M6 Oversized Washer
8	8	M6 x 1.0 Button Head Screw, 16mm

## **TOOLS REQUIRED:**

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Sockets
- Assorted Metric Wrenches

## **SAFETY REQUIREMENTS:**

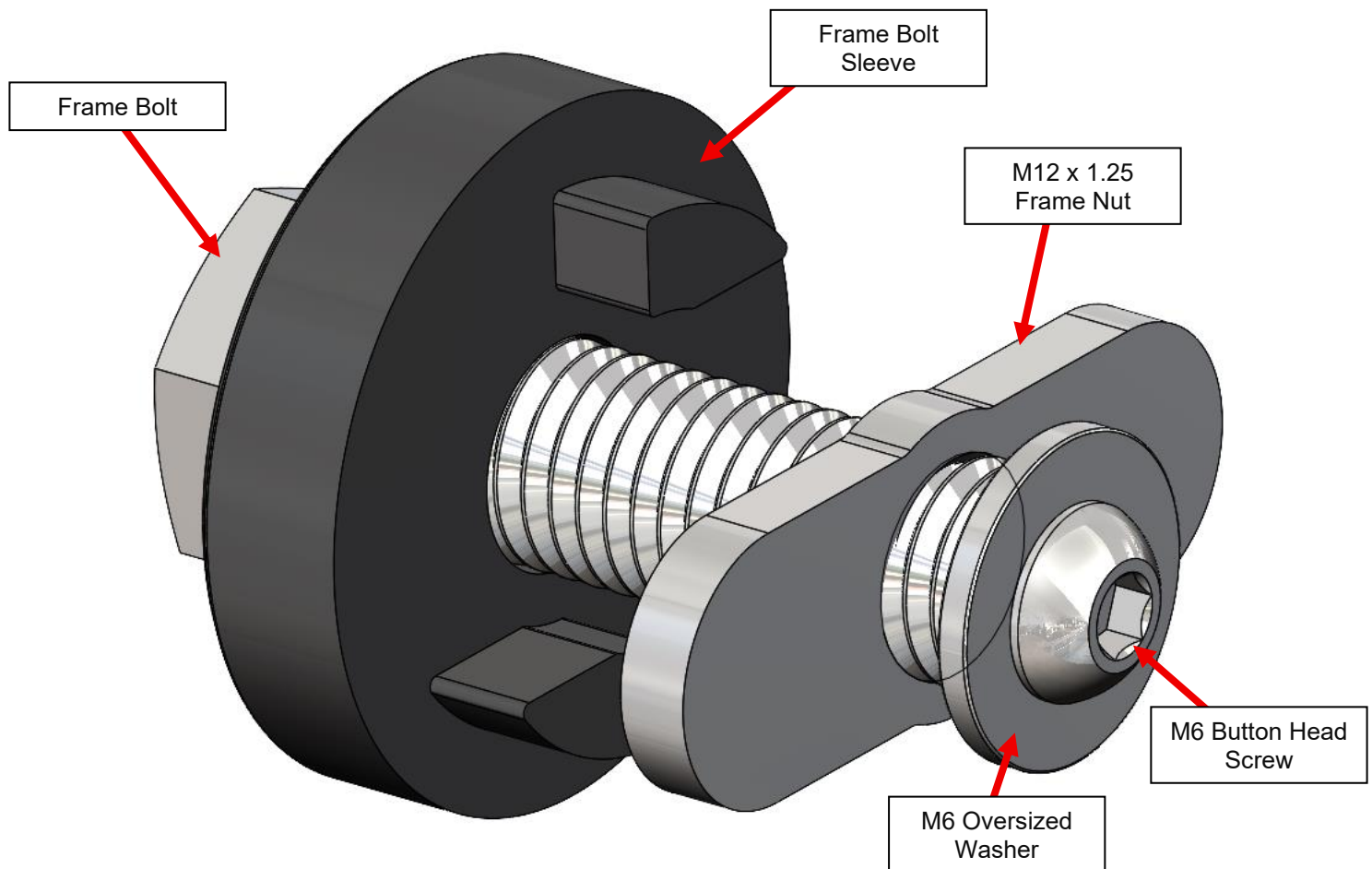
- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Always turn the ignition 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 Fender Liner Guard 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. Depending on your suspension and wheel setup, you may need to jack up the rear of the vehicle to gain access to the inside of the Rear Wheel Well.
3. Locate (1) one Frame Bolt Sleeve, (1) one Frame Bolt, (1) one M12 x 1.25 Frame Nut, (1) one M6 Oversized Washer and (1) one M6 x 1.0 Button Head Screw, 16mm. Place the Frame Bolt Sleeve onto the Frame bolt as shown and thread the M12 Frame Nut onto the Frame Bolt. *Figure 1.*
4. Place the M6 Washer onto the M6 Button Head Screw and thread it into Frame Bolt as shown. *Figure 1.*



*Figure 1*

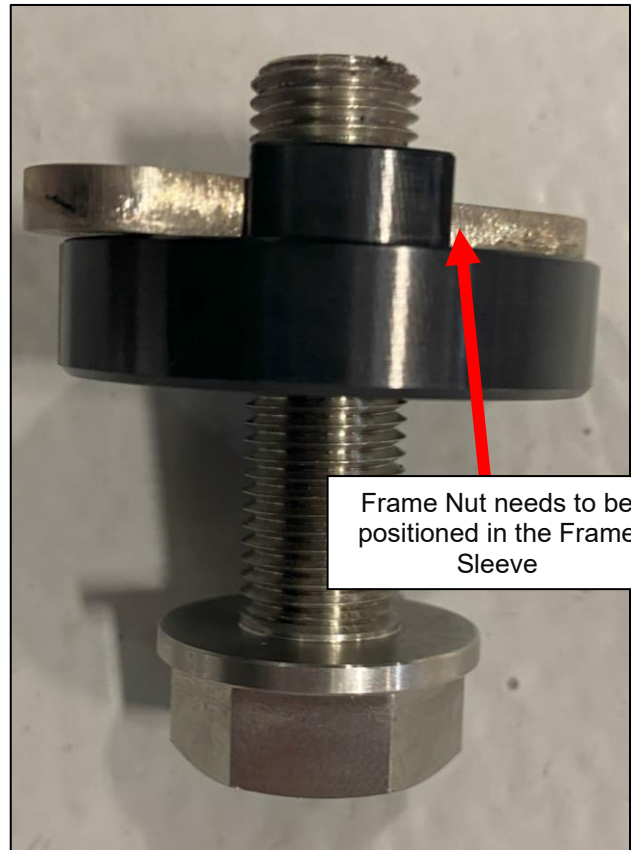
5. Thread the M12 Frame Nut slightly down the Frame Bolt.
6. In the forward most hole of the frame, feed the M12 Frame Nut into the frame. *Figure 2.*



*Figure 2*



7. Push the Frame Bolt Sleeve into the Frame and pull the Frame Bolt. The M12 Frame Nut needs to be positioned in the tabs of the Frame Nut. *Figure 3.*



*Figure 3*

8. While securing the Frame Bolt Sleeve and pulling the Frame Bolt, tighten the Frame Bolt until it is tight against the Frame Bolt Sleeve, then tighten with a wrench to fully secure the assembly. *Figure 4.*



*Figure 4*

9. Remove the (2) two bolts that secure the Bump Stop to the Frame and remove the Bump Stop. Retain the Hardware. *Figure 5.*



*Figure 5*

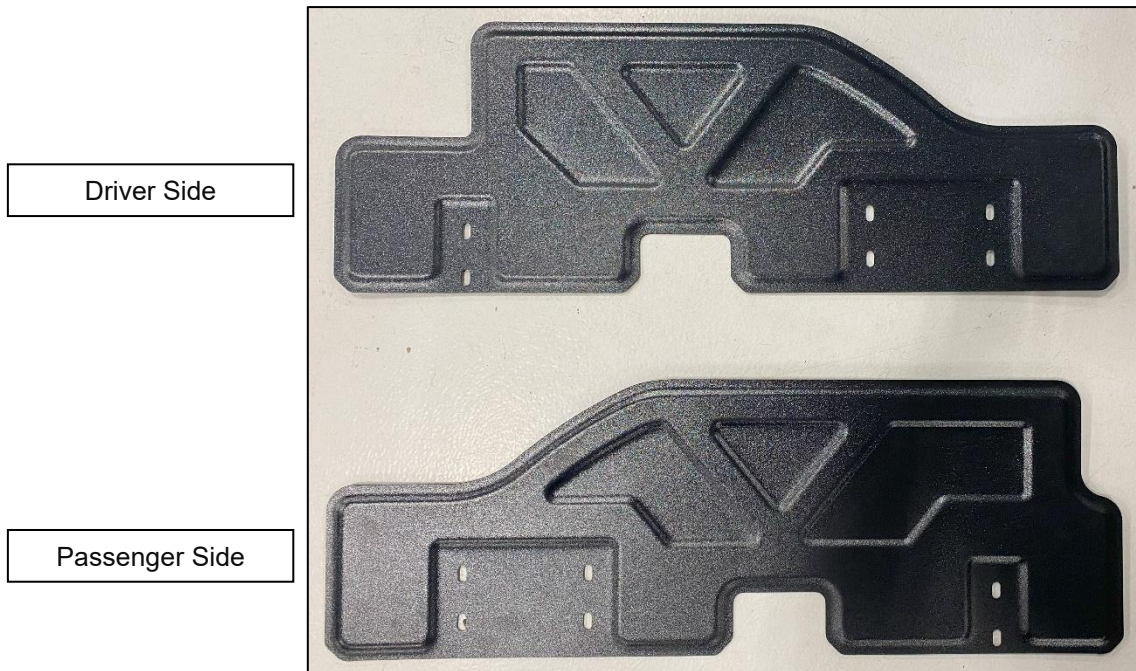
10. Locate (1) one Frame Support Bracket. Position the Support Bracket under the Bump Stop and reinstall it to the Frame using the OE Bolts. *Figure 6.*



*Figure 6*



11. Locate the Fender Liner Guard, (3) three M6 Button Head Bolts and (3) three M6 Washers. Depending on what side of the vehicle you started on will determine which Fender Linder Guard you use. Position the Fender Liner Guard up to the Vehicle, if your vehicle is at stock height, use the upper holes. If your truck is body lifted, use the lower holes. Secure the Fender Liner Guard with the M6 Bolts and Washers to the Frame Bolt and the Frame Support Bracket. *Figure 7.*



*Figure 7*

12. Repeat Steps 3-11 for the other side of the vehicle.

**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