

# Z1 OFFROAD STEERING LIGHT BRACKET INSTALLATION MANUAL



This Installation Manual is intended for the following models:

|           |                       |
|-----------|-----------------------|
| 2005-2020 | Nissan Frontier (D40) |
| 2021+     | 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 Steering Light Bracket, consult with a Professional Mechanic, or contact Z1 Off-Road for more information.

## **PARTS INCLUDED:**

| Item | Quantity | Description            |
|------|----------|------------------------|
| 1    | 1        | Driver Side Bracket    |
| 2    | 1        | Passenger Side Bracket |

## **TOOLS REQUIRED:**

- Ratchet
- Ratchet Extension(s)
- Assorted Metric Sockets
- Assorted Metric Wrenches
- Torque Wrench

## **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.

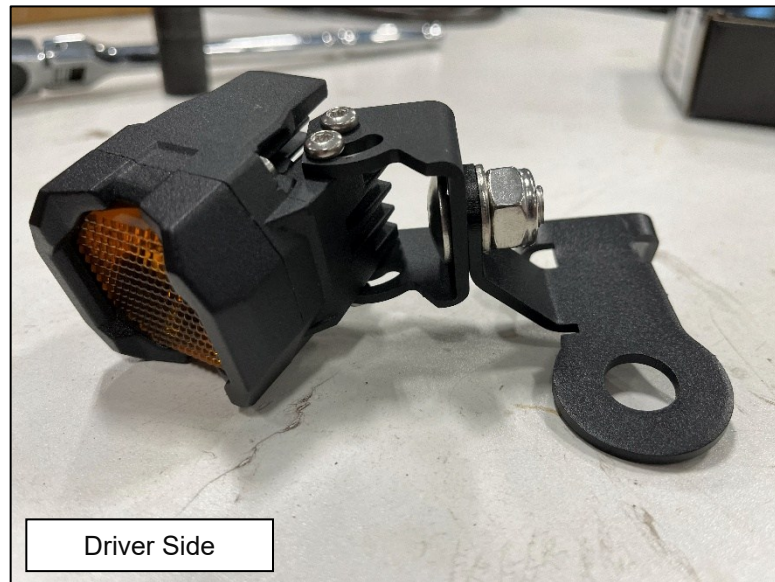
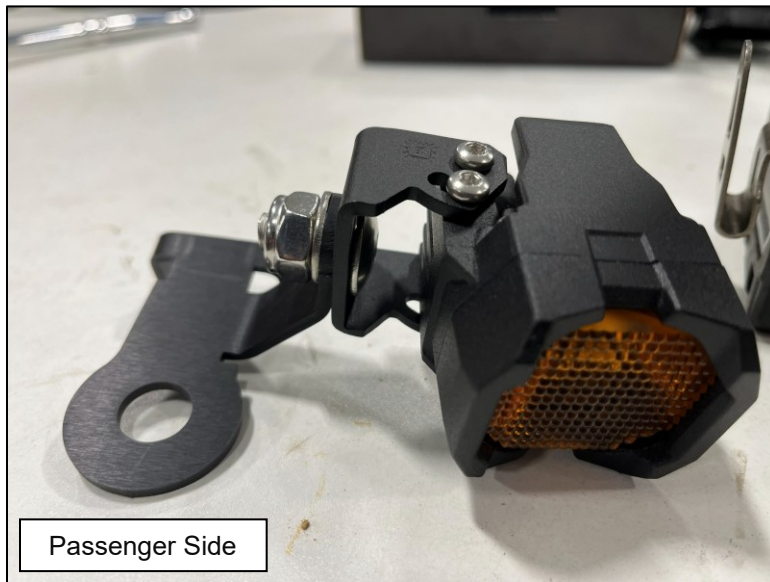
## **BEFORE YOU BEGIN:**

Remove contents from the Z1 Off-Road Steering Light Brackets and verify that ALL necessary hardware is present.

This guide is a general guide and does not cover the wiring of the Steering Lights as there are multiple ways to install them and they will differ depending on the brand of lights you choose. Refer to the manufacturer's instructions for wiring the lights.

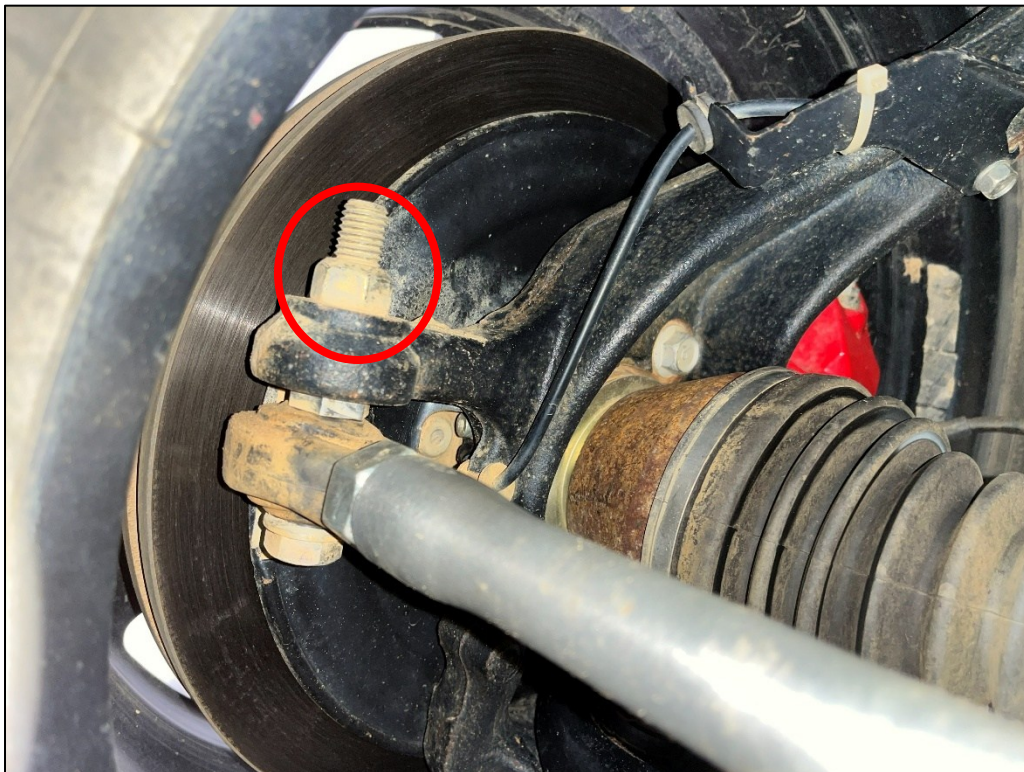
## **PROCEDURE:**

1. Turn the Front Wheels one direction until they are locked.
2. Locate the Steering Brackets and the Lights you have chosen. Install the Lights onto the Brackets with the hardware included with the lights as shown. *Figure 1.*



*Figure 1*

3. Remove the nut securing the Outer Tie Rod to the Steering Knuckle. *Figure 2.*



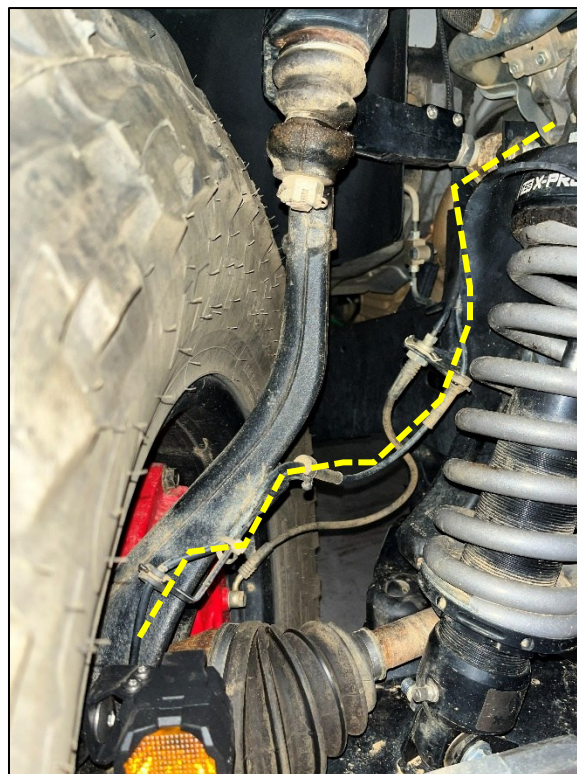
*Figure 2*

4. Place the Bracket Assembly onto the Steering Knuckle. Secure with the OE Nut. Torque to **37 ft-lbs.** *Figure 3.*



*Figure 3*

5. Locate the Wiring Harness for the Lights. Connect the Harness to each light.
6. Route the Harness up the Steering Knuckle with the ABS Line and secure with Zip Ties. Ensure the Harness doesn't touch any sharp edges or moving parts. *Figure 4.*



*Figure 4*

7. Connect the Harness to your Power Module of choice.
8. Adjust the Steering Lights as necessary.

**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