

Z1 D41 FRONTIER SIDE MARKERS INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2022+

Nissan Frontier (D41)

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 D41 Frontier Side Markers, consult with a Professional Mechanic, or contact Z1 Off-Road for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Driver Side Marker
2	1	Passenger Side Marker
Optional Harnesses		
3	1	Standalone Side Marker Harness
4	2	Raptor Light Integrated Harness
5	1	Custom Install Harness

TOOLS REQUIRED:

- Ratchet
- Ratchet Extension(s)
- Assorted Metric Sockets
- Assorted Metric Wrenches
- Pliers
- Trim Removal Tool

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 D41 Frontier Side Markers 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. Remove the Front Mud Guards, these are held on by (3) three screws each. *Figure 1.*



Figure 1

3. Remove the Front Fender Liners. These are held on by an assortment of plastic pins and (2) two screws behind the lip of the Fender Flare. Retain this hardware. *Figure 2* below shows some of the mounting points.

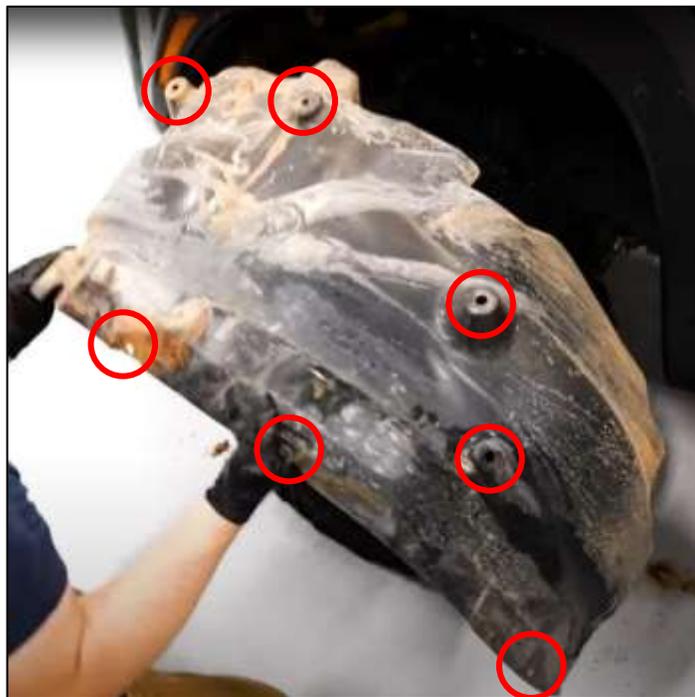


Figure 2

4. Remove the Front Fender Flares. These are held on by multiple clips inside of the Wheel Well. Using a pair of pliers, pinch the clips from inside the Wheel Well while slightly pulling on the Fender Flare. Work from one side of the Fender Flare to the other to remove it from the body. The mounting points are shown below. *Figure 3.*



Figure 3

5. With the Fender Flares removed, flip them over and remove the (2) two screws securing each OE Side Marker to the Fender Flare. Retain these screws. *Figure 4.*



Figure 4

6. Depress the clip securing the OE Side Marker to the Fender Flare and remove the Side Marker from the vehicle. *Figure 5.*



Figure 5

7. Locate the Z1 Side Markers. Feed the Wiring Harness through the Fender Flare and snap the Side Markers into place. *Figure 6.*



Figure 6

8. Use the screws removed in *Step 5* to secure the Side Markers to the Fender Flares. *Figure 7*.



Figure 7

9. Reinstall the Fender Flares to the vehicle, but do not reinstall the Fender Liners yet.

10. Depending on your Wiring Harness setup, follow the applicable sections below:

STANDALONE SIDE MARKER HARNESS

1. Locate the Standalone Side Marker Harness. One end of the Harness will only have (1) one Connector, this will connect to the Driver Side Marker. The other end has the Connector for the Passenger Side Marker, the Ground Connector and the Fuse/Power Connector. *Figure 8*.

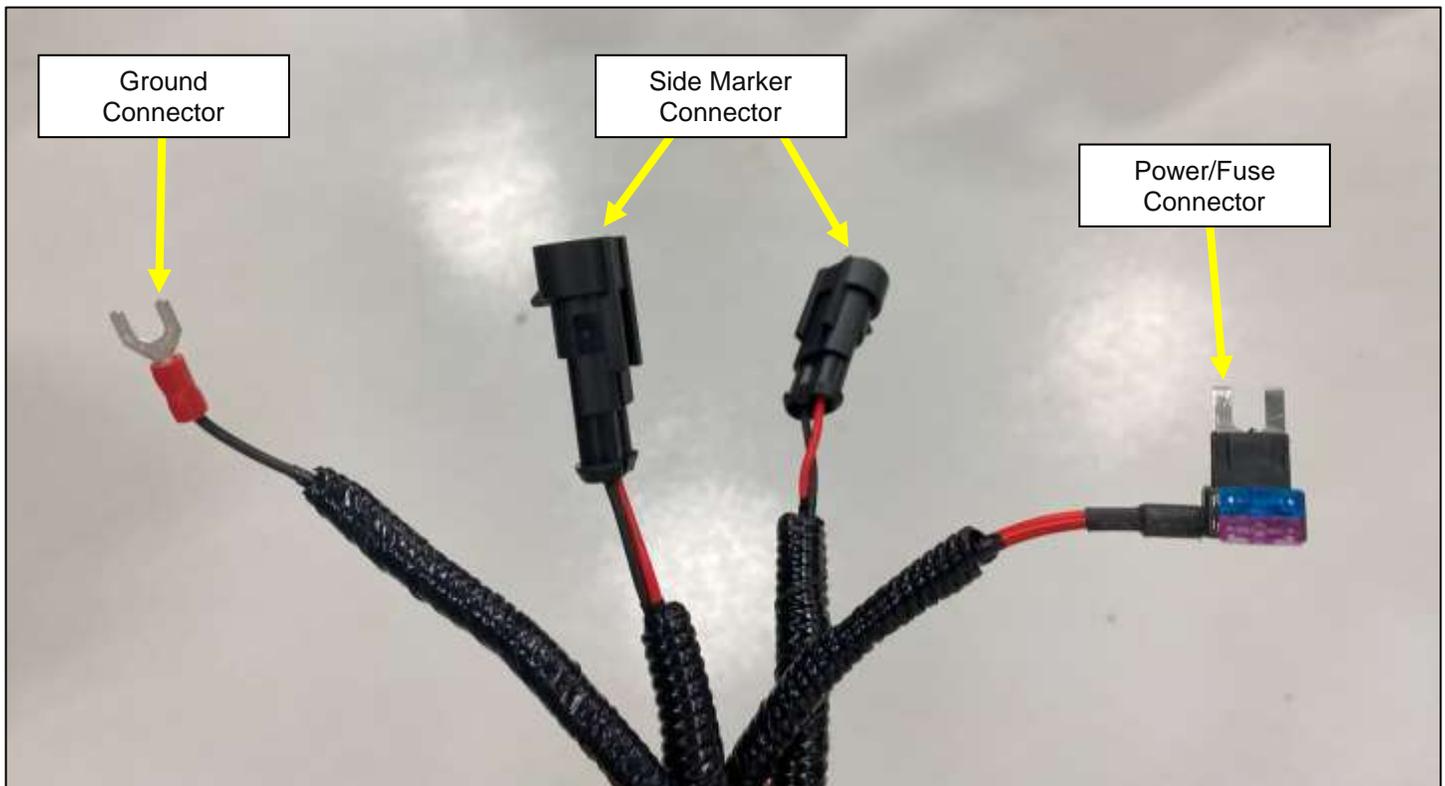


Figure 8

2. Connect the Driver Side Harness to the Driver Side Marker.
3. Run the Harness across the front of the vehicle. There are multiple ways to route it, just make sure it is not rubbing against sharp edges or moving parts. Zip tie the Harness as necessary to secure it.
4. Connect the Passenger Side Marker to the Passenger Side Marker.
5. Run the Ground and Fuse Power Connector up towards the Fuse Box on the Passenger Side of the Engine Bay. *Figure 9.*



Figure 9

6. Locate a suitable ground location for the Ground Connector. We chose a bolt to the left of the Fuse Box. Remove the bolt and attach the Ground Connector. Reinstall the Bolts to secure the Ground Connector. *Figure 10.*



Figure 10

7. Open the Fuse Box and select a Fuse to tap into. The Fuse you select will be determined by how you want the Side Markers to be turned on (Ignition/Accessory Power). We chose the ABS Module Fuse, as it gets Ignition Power. Use your Owner's Manual for a Fuse Box Diagram to determine the proper fuse. *Figure 11.*

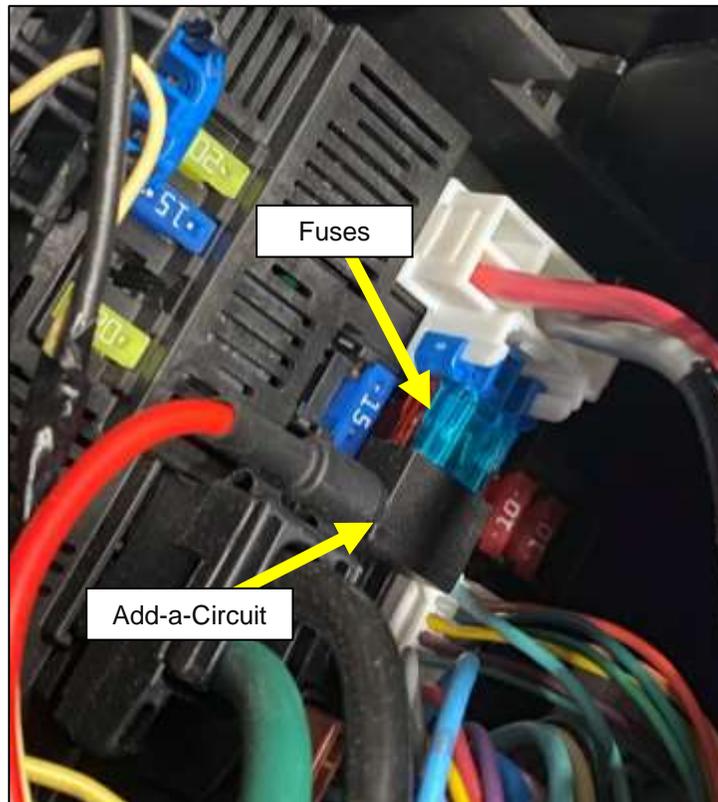


Figure 11

- Remove the desired fuse and install the Fuse/Power Connector into the now open slot.

NOTE: Be aware of the amperage of the fuse being removed. The Add-a-Circuit connector uses a 10 Amp Fuse and may need to be swapped out if you choose to tap into a 15 or 20 Amp location. The 5 Amp Fuse is for the Side Markers and needs to stay in the Add-a-Circuit.

- Notch the corner of the Fuse Box so the Wiring Harness can run into the Fuse Box without being pinched.
Figure 12.



Figure 12

- Turn on the vehicle and test the function of the Side Marker Lights.
- With the lights working, secure the Wiring Harness from rubbing on sharp corners or touching moving parts.
- Reinstall the Front Fender Liners and Mud Guards.

RAPTOR LIGHT INTEGRATED HARNESS

1. Follow the [Z1 Frontier Raptor Grille Lights Installation Manual](#) to install the Raptor Lights before proceeding. The Outside Raptor Lights will need to be disconnected from the main harness.
2. Locate the (2) two Raptor Light Integrated Harnesses. Each Harness will connect to one side of the Raptor Light Harness. *Figure 13.*

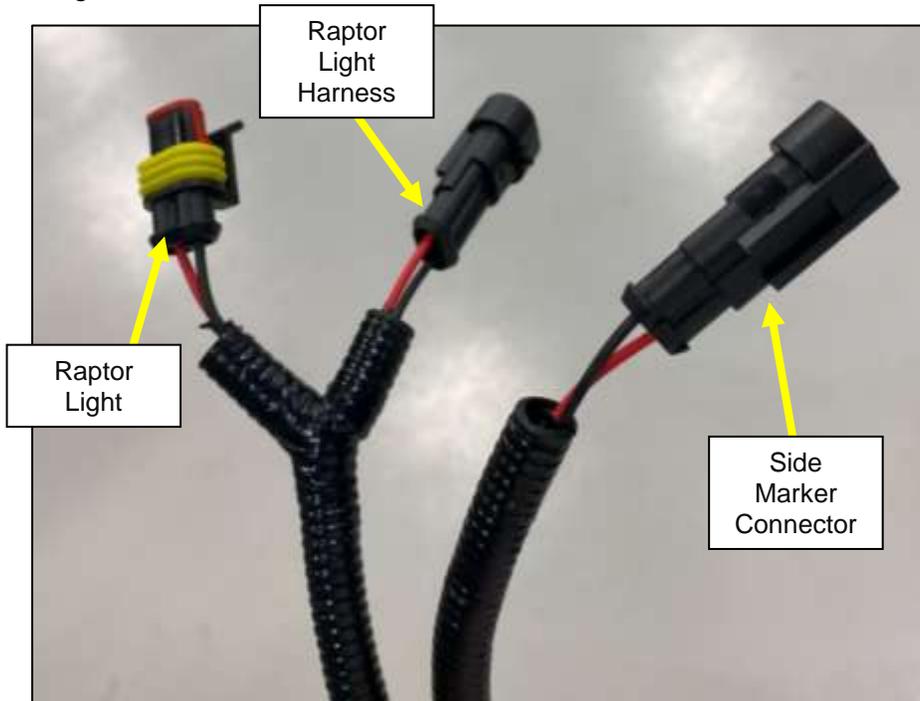


Figure 13

3. Connect the Integrated Harness to the Raptor Light.
4. Connect the Raptor Light to the Integrated Harness.
5. Run the Integrated Harness to the Side Marker and connect them together.
6. Turn on the vehicle and test the function of the Side Marker Lights and the Raptor Lights.
7. With the lights working, secure the Wiring Harness from rubbing on sharp corners or touching moving parts.
8. Reinstall the Front Fender Liners and Mud Guards.

END

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