Backup Bar Installation Instructions
2017 Nissan Titan

Note: This solution is for specific factory installed backup cameras and sensors on 60” wide pickup body G2 liftgates only. It does not support aftermarket products. For a list of available applications see the Tommy Gate Backup Bar Application Chart (DPN 095193).

Note: The image on the backup camera display screen should adhere to the standard in National Highway Traffic Safety Administration rule number FMVSS 111.

Warning: Relocating the factory installed backup camera may result in the display screen gridlines being inaccurate. Operate with caution and be sure to check surroundings before reversing the vehicle.

Installing Backup Camera and Sensors
If mounting holes already exist in the mainframe, skip to step 5.

1. Position the backup bar channel underneath the liftgate mainframe.
   Align the bar so its vertical surface is flush with the mainframe's.
2. Mark the location of the four mounting holes.
3. Check for obstructions in the mainframe before drilling holes.
4. Drill 1/4” holes in the mainframe of the liftgate where marked in step 2.
5. Install the backup bar underneath the liftgate using the supplied 1/4-20 hex bolts and nuts (Figure 3).
6. Route wire harnesses from the vehicle to below the liftgate mainframe.
7. Plug in camera and sensors to wire harnesses.
8. Position sensors into brackets and fix in position using a cable tie (Figure 4).
   Sensor wires face towards the center of the truck.

Removing Camera and Sensors
1. Verify backup bar kit (Figure 1 and Table 1).
2. Remove and save the backup camera and wire harness from the tailgate.
   Leave the camera attached to its mounting plate (Figure 2).
3. Remove and save the backup sensors and wire harness from the bumper.

<table>
<thead>
<tr>
<th>QTY</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>014351</td>
<td>Backup Bar</td>
</tr>
<tr>
<td>1</td>
<td>015746</td>
<td>Camera Bracket</td>
</tr>
<tr>
<td>2</td>
<td>014402</td>
<td>Right Parking Sensor Bracket</td>
</tr>
<tr>
<td>2</td>
<td>014403</td>
<td>Left Parking Sensor Bracket</td>
</tr>
<tr>
<td>6</td>
<td>009077</td>
<td>Cable Tie</td>
</tr>
<tr>
<td>1</td>
<td>015529</td>
<td>Bolt Bag</td>
</tr>
</tbody>
</table>

Table 1: Part List

Figure 1: Part Identification

![Figure 1: Part Identification](image1.jpg)

Figure 2: Backup Camera in Factory Mounting Plate

![Figure 2: Backup Camera in Factory Mounting Plate](image2.jpg)

Figure 3: Attaching the Backup Bar

![Figure 3: Attaching the Backup Bar](image3.jpg)

Figure 4: Orientation of sensor in bracket

![Figure 4: Orientation of sensor in bracket](image4.jpg)
Installing Backup Camera and Sensors

9. Place camera into bracket and secure using the supplied 1/4-20 hex bolts and nuts (Figure 5).

10. Install camera and sensor brackets into backup bar using the supplied 1/4-20 hex bolts and nuts (Figure 6).

11. Secure wiring harnesses with cable ties.