

Rear Camera and Sensor Bar Installation Instructions

2019+ Ram 1500/2500/3500 (Except 1500 Classic)

015683
015795

Note: This solution is for specific factory installed rear cameras and sensors on model 60, G2 series liftgates for pickup body only. It does not support aftermarket products. For a list of available applications see the Tommy Gate Rear Camera and Sensor Bar Application Chart (DPN 095193).

Note: For vehicles manufactured after May 1, 2018 the image on the rear camera display screen must comply with the standard in National Highway Traffic Safety Administration rule number FMVSS 111.

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

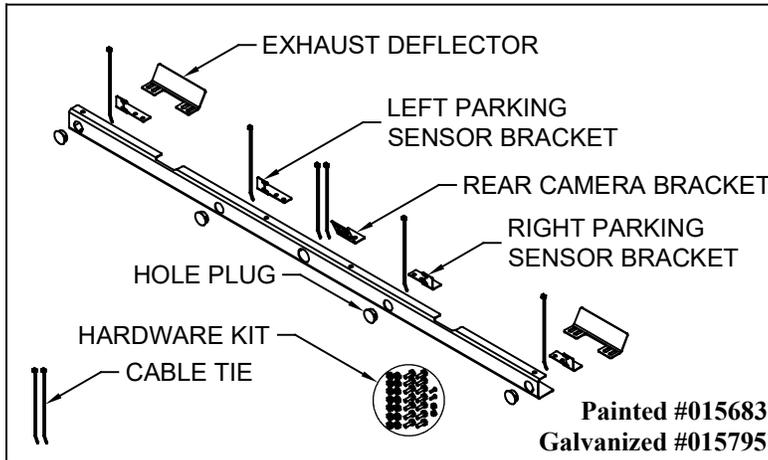


Figure 1: Part Identification

Table 1: Part List

QTY.	PART NO.	DESCRIPTION
1	15685	Rear Camera and Sensor Bar
1	15715	Rear Camera Bracket
2	15716	Left Parking Sensor Bracket
2	15717	Right Parking Sensor Bracket
2	15799	Exhaust Deflector
6	9077	Cable Tie
1	15529	Hardware Kit

Removing Rear Camera and Sensors

1. **Verify** rear camera and sensor bar kits (Figure 1 and Table 1).
2. **Verify** truck sensors. Trucks with outboard facing parking sensors (total of 6 sensors in the rear bumper) will need the side sensor kit 016845 (Painted) or 016846 (Galvanized), and prep work before installing the liftgate.
2. **Remove and Save** the rear camera and wire harness from the tailgate.
3. **Mark or Note** markings on rear bumper harness indicating outboard facing parking sensors, if applicable.
4. **Remove and Save** the parking sensors and wire harness from the bumper. Do not reuse the factory mounting bezel (Figure 2), doing so may position the sensors incorrectly.
5. **Tape Off** unused connectors on each harness.

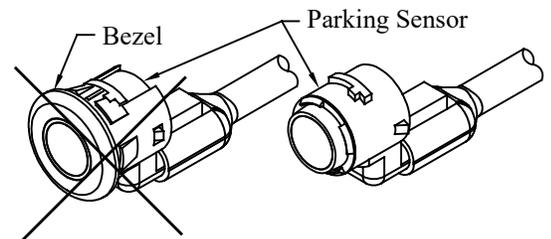


Figure 2: Parking sensor: no factory mounting bezel.

Drilling Mounting Holes in Older Liftgates

If mounting holes already exist in the mainframe, skip this section.

1. **Position** the rear camera and sensor bar underneath the liftgate mainframe (Figure 3).
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.

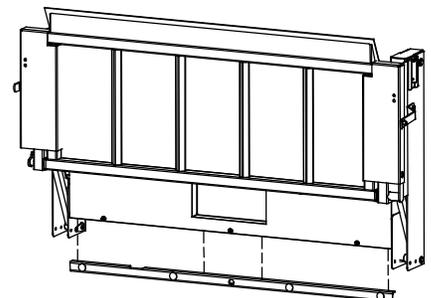


Figure 3: Rear camera and sensor bar mounting location.

Rear Camera and Sensor Bar Installation Instructions

Installing the Rear Camera and Sensor Bar

1. **Install** the rear camera and sensor bar underneath the liftgate using 1/4" hex bolts and nuts from the hardware kit (Figure 3).

2. **Route** wire harnesses from the vehicle to below the liftgate mainframe.

3. **Determine** which camera came with the truck. (Figure 4).

- The violet style has a violet or pink body and is too large to fit the rear camera bracket with the knockout in place.
- The black style has a black body and will fit with almost no play when placed into the rear camera bracket as shown.
- Step 4 is for the violet style camera only. If the black style camera came with the truck, **Skip** step 4.

4. **Remove** the knockout from the rear camera bracket (Figure 4) and apply rust preventative to the broken tabs (violet camera only).

5. **Place** the rear camera into the rear camera bracket and **secure** it with cable ties (Figure 4).

6. **Determine** the parking sensor layout.

- 4 sensor harness: Proceed to the next step as normal.
- 6 sensor harness: **Plug** the outboard sensor apertures (Figure 6) and perform the next steps on the inboard pair of sensors only. The remaining sensors are mounted to the side sensor kit.

7. **Position** parking sensors onto parking sensor brackets and **Secure** using cable ties (Figure 5).

8. **Install** the rear camera bracket and parking sensor brackets into rear camera and sensor bar using provided 1/4" hex bolts and nuts.

9. **Install** exhaust deflectors between the tailpipes and rear camera and sensor bar using provided 1/4" hex bolts and nuts (Figure 6).

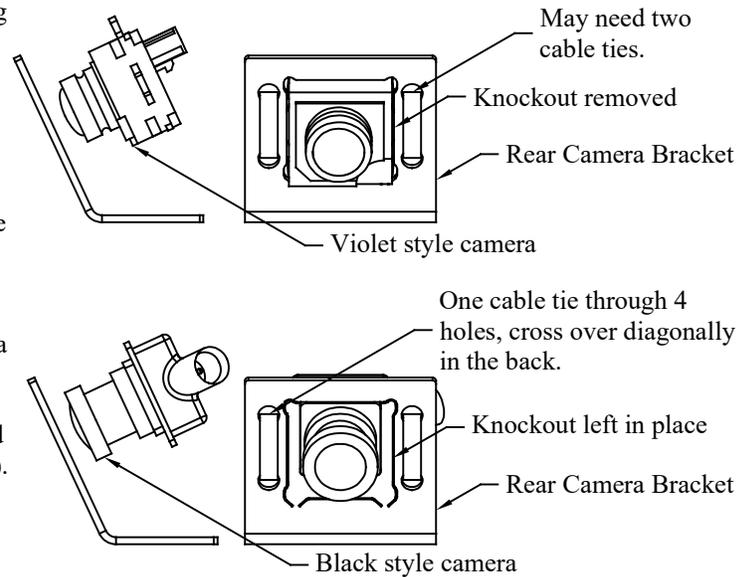
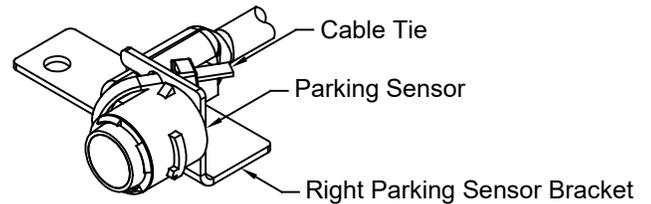


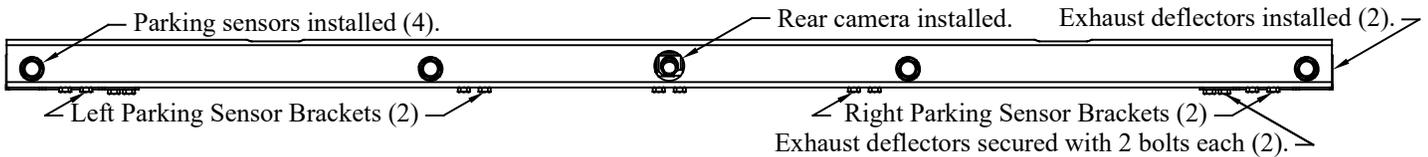
Figure 4: Two styles of rear camera and camera bracket.



Note: Right is shown, left is similar.

Figure 5: Parking sensor in right parking sensor bracket.

No side sensor kit:



Side sensor kit to be installed:

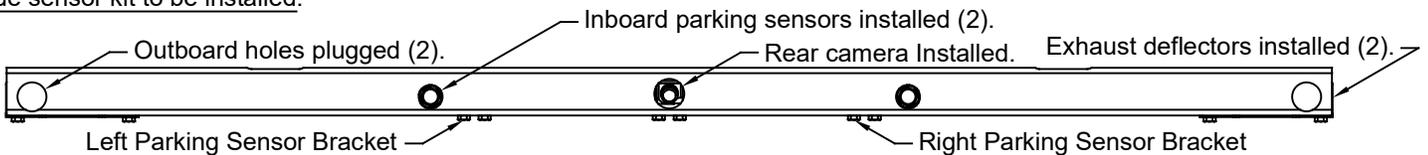


Figure 6: Assembled rear camera and sensor bar

Finishing Steps

1. **Install** side sensor kit if applicable.

2. **Secure** wire harnesses using cable ties.

3. **Perform** FMVSS111 mandated verification. **Shim** camera bracket to adjust camera angle if needed.