

Rear Camera and Sensor Bar Installation Instructions

Fullsize Chevy & GMC Trucks-
 1500: 2019-present (Excludes 2019 1500 "LD" and "Limited")
 2500, 3500: 2020-present

KIT PN
 Painted: 015870
 Galvanized: 015871

Note: This solution is for specific factory installed rear cameras and sensors on model 60 G2 liftgates 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: The installer must ensure that the rear-view camera systems adheres to the National Highway Traffic Safety Administration rule number FMVSS 111.

!Warning: Relocating the factory installed rear camera may affect the accuracy of the camera guidelines, hitch view and alternate camera views. Operate with caution and be sure to check surroundings before reversing the vehicle.

!Warning: Relocating the factory installed rear sensors may affect sensor ranging and introduce blind spots. Operate with caution and do not rely on advanced features that may take over steering or braking.

Preparing for Install

1. Verify rear camera and sensor bar kit (Figure 1 and Table 1).

Table 1: Part List.

QTY.	PART NO.	DESCRIPTION
1	015907*	Rear Camera and Sensor Bar
1	015868	Standard Rear Camera Bracket
1	016207	High Definition Rear Camera Bracket
2	014873	Left Rear Sensor Bracket
2	014871	Right Rear Sensor Bracket
2	015799	Exhaust Deflector
7	009077	Cable Tie
1	015529	Bolt Bag
2	015893	#8-32x1-1/4" Bolt
3	015869	#8x7/16x3/8 Spacer

Note: * Galvanized in 15871, Painted in 15870

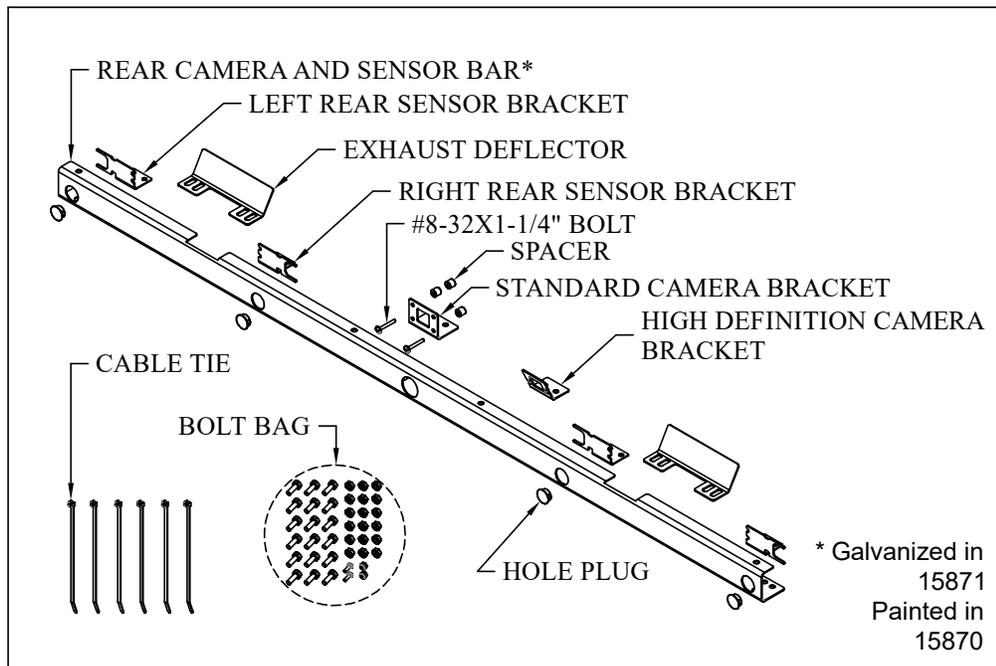


Figure 1: Part Identification.

Removing Camera and Sensors

- 1. Identify** rear camera model used in vehicle.
 - **Standard Rear Camera (UVC)** shows a curved bumper on the screen when backing up. It looks like the camera shown in Figure 2.
 - **High Definition Rear Camera (UVB)** shows a straight bumper on the screen when backing up, and may have options to select advanced trailering views, including the curved bumper view. It looks like the camera shown in Figure 3.
- 2. Remove and Save** the rear camera and wire harness from the tailgate.
 - Leave the standard rear camera attached to its plastic mounting bracket (Figure 2).
 - Remove the high definition rear camera from the plastic mounting bracket (Figure 3).
- 3. Remove and Save** the rear sensors and wire harness from the bumper.
 - Do not reuse the factory mounting bezel (Figure 4), doing so may not position the sensors correctly.

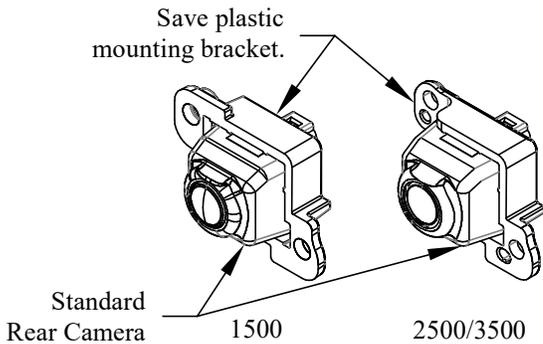


Figure 2: Standard rear camera.

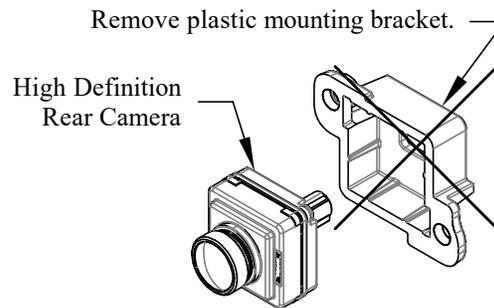


Figure 3: High definition rear camera.

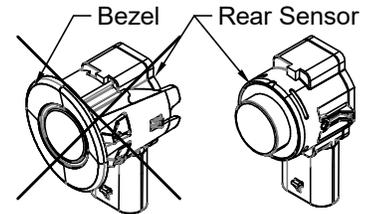


Figure 4: Rear sensor - no bezel.

Installing Rear Camera and Sensor Bar

If mounting holes already exist in the mainframe, skip to step 5.

- 1. Position** the rear camera and sensor bar underneath the liftgate mainframe.
Align the bar so its vertical face is flush with the mainframe box cover (Figure 5).
- 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 rear camera and sensor bar underneath the liftgate using the supplied 1/4-20 hex bolts and nuts (Figure 5).

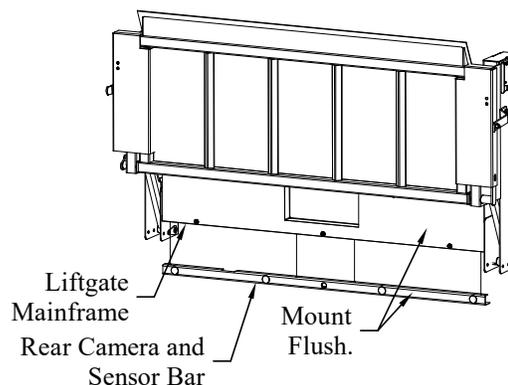


Figure 5: Rear camera and sensor bar position.

Installing Rear Sensors

If the vehicle does not have rear sensors, plug the sensor holes with hole plugs and skip this section.

1. **Route** wire harnesses from the vehicle to below the liftgate mainframe.
2. **Plug in** rear sensors to wire harnesses.
3. **Position** sensors into brackets and fix in position using a cable tie (Figure 6).
Match the orientation of sensors to Figure 7.
4. **Install** sensor brackets into rear camera and sensor bar using the supplied 1/4-20 hex bolts and nuts (Figure 7).
5. **Secure** wiring harnesses with cable ties.

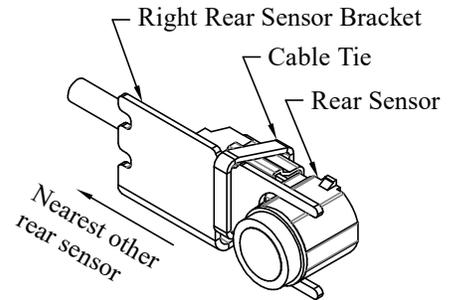


Figure 6: Orientation of sensor in bracket.

Arrows indicate sensor plug direction.

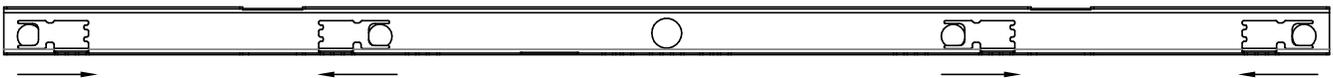


Figure 7: Orientation of sensors in rear camera and sensor bar.

Installing Rear Camera

1. **Select** appropriate camera bracket and fasteners (Figure 8).
2. **Plug in** camera and sensors to wire harnesses.
3. **Place** camera into bracket and fix in position using the appropriate supplied fasteners (Figures 9, 10).

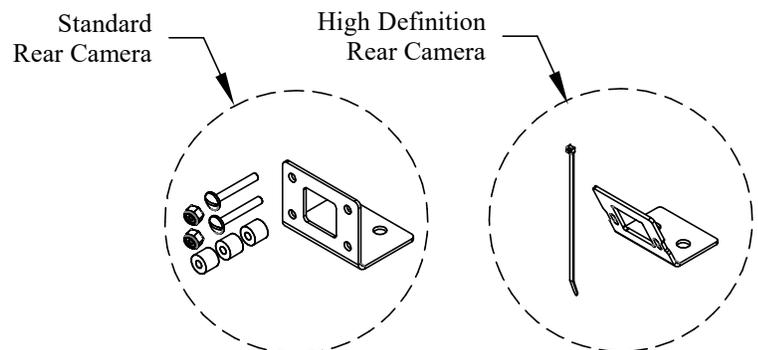


Figure 8: Camera brackets and fasteners.

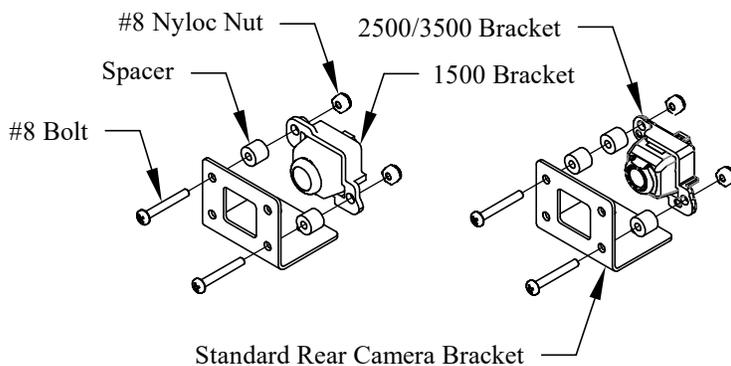


Figure 9: Method to secure standard rear camera in bracket (1500 left, 2500 and 3500 right).

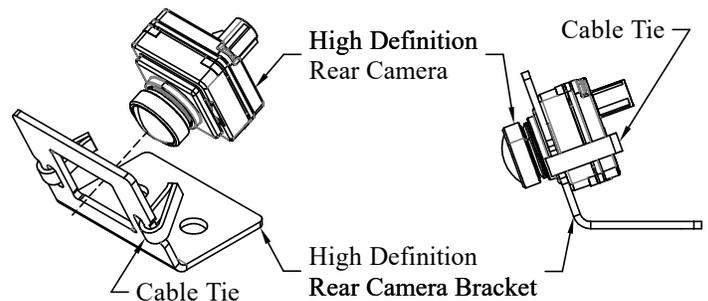


Figure 10: Method to secure high definition rear camera in bracket.

Installing Rear Camera (Continued)

4. **Install** camera bracket into rear camera and sensor bar using the supplied 1/4-20 hex bolts and nuts (Figures 11 and 12).
5. **Secure** wiring harnesses with cable ties.

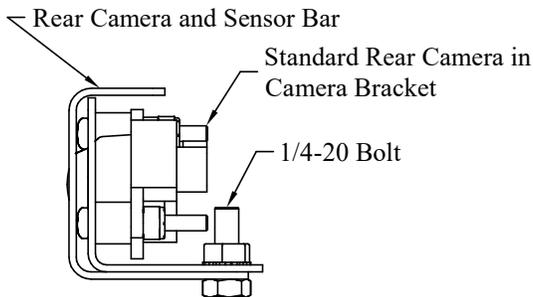


Figure 11: Standard rear camera in rear camera and sensor bar.

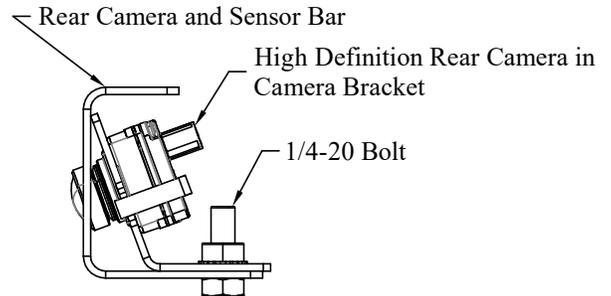


Figure 12: High definition rear camera in rear camera and sensor bar.

Installing Exhaust Deflectors

If the top of the tailpipe is located below the bottom of the rear camera and sensor bar this section is optional.

1. **Install** the exhaust deflectors using two 1/4" Nuts and bolts per deflector (Figures 13 and 14).

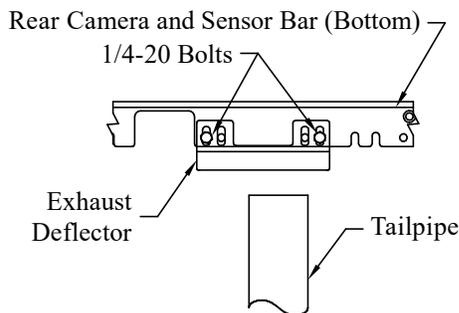


Figure 13: Exhaust deflector as seen from below.

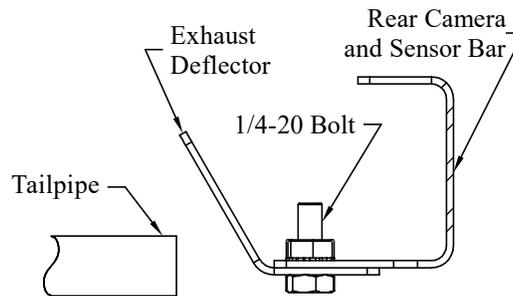


Figure 14: Exhaust deflector as seen from the left side.