REAR CAMERA & SENSOR KIT



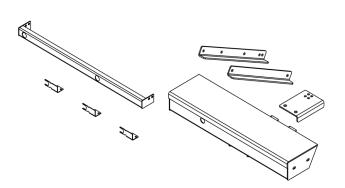
for Ford Transit® Commercial Vans

Camera and Sensor Kits for Ford Transit Commercial Vans have been expertly designed to accommodate both the factory installed backup equipment and the hydraulic lift. The kits reposition the camera and sensors while maintaining the van's aesthetic appeal and component functionality.

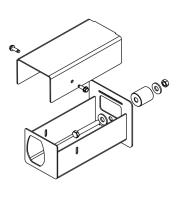
CVL-AF-1330 EF71



Sensor Bar*



Camera Housing*



* includes wiring harness, not shown.

Make/Model	Year	Kit#	Kit Description
Ford Transit	2015-2025	14741	Transit Sensor Kit
Ford Transit	2015-2017	14775*	Transit Camera Kit
Ford Transit Low Roof	2018-2025	14775*	Transit Camera Kit

^{*}Kit 14775 is only compatible with rear cameras located in the van's rear door. It is not compatible with rear cameras located in the van's brake light housing.

In view of the responsibility of altered-stage vehicle manufacturers to comply with FMVSS 111, Tommy Gate offers its "Camera and Sensor Kits" as a possible solution. However, it is the sole responsibility of the upfitter/final stage manufacturer to determine if the Tommy Gate Camera and Sensor Kit meets FMVSS 111 and/or any other applicable vehicle certification - and it is not the responsibility of Tommy Gate/Woodbine Manufacturing Company. Any information made available by Tommy Gate regarding its Camera and Sensor Kit is not intended to be, and shall not be, relied upon as final determination of compliance with FMVSS 111 and/or any other vehicle certification. Each distributor must, on its own, make each such required determination for each vehicle it offers to a customer. Tommy Lifts are industrial products for material handling only and are not to be used as personnel or wheelchair lifts. For safe handling and operating instructions, visit: www.tommygate.com.

Transit CVL Rear Sensor Relocation Instructions

These instructions will aid you in relocating OEM rear sensors on a Ford Transit equipped with a Tommy Gate Cantilever (CVL) liftgate.

Preparing for Installation

1. Verify sensor kit (Figure 1 and Table 1).

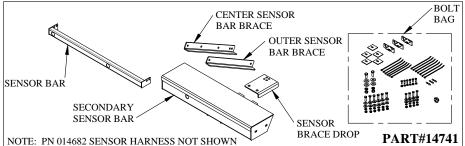


Figure 1: Part identification.

2. Unplug and **Remove** wire harness for sensors #1 and #2 from vehicle harness in bumper (Figure 2).

Note: This portion of the wiring harness will not be reused.

- **3. Remove** and **Save** sensors #1, #2, and #3 from vehicle harness (Figure 2). Note: Sensor #4 remains in factory location.
- **4. Insert** hole plug into empty sensor #3 hole on driver side.

Rear Bumper Location "A" Rear of Van Sensor #3 Sensor #1 Factory Vehicle Harness Plug Sensor #4

DESCRIPTION

TRANSIT SECONDARY SENSOR BAR

TRANSIT SENSOR HARNESS EXTENSION

CENTER SENSOR BAR BRACE

TRANSIT SENSOR BAR BOLT BAG

OUTER SENSOR BAR BRACE

SENSOR BRACE DROP

Table 1: Parts list.

14755

14752

14682

14774

14751 TRANSIT SENSOR BAR

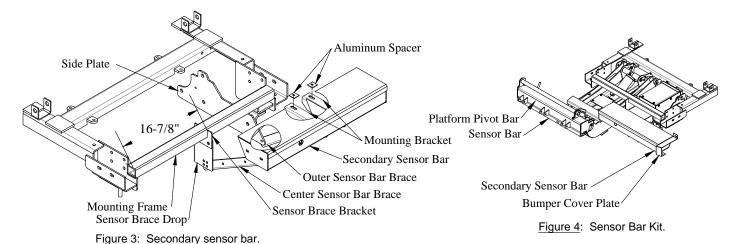
QTY. PART NO.

Figure 2: Factory vehicle wire harness.

Installing the Sensor Bar Kit

- **1. Bolt** sensor bar to bottom of platform pivot bar using provided 5/16" bolts, washers, lock washers, and nuts (Figure 4). The washers may be used as a shim between the two plates.

 Note: If bolt locations are not available, **Weld** sensor bar to platform pivot bar.
- 2. Bolt the sensor brace drop to the mounting frame using provided 1/2" bolts, washers, lock washers, and nuts (Figure 3).
- 3. Bolt the mounting brackets of the secondary sensor bar to the under side of the van using mounting hardware from the bumper and provided aluminum spacers as needed (Figure 3).
 Note: Aluminum spacers are used to shim secondary sensor cover flush with bumper cover plate (Figure 4).
- **4. Bolt** the outer sensor bar brace between the liftgate side plate and secondary sensor bar using provided 3/8" bolts, washers, lock washers, and nuts (Figure 3).
- **5. Bolt** the center sensor bar brace between the sensor brace drop and secondary sensor bar using provided 3/8" bolts, washers, lock washers, and nuts (Figure 3). Make sure secondary sensor bar is level.
- **6. Bolt** the secondary sensor bar to the passenger bumper cover plate with provided 3/8" bolts, washers, lock washers, and nuts (Figure 4). **Drill** holes in bumper cover plate if needed.

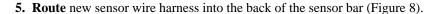


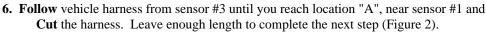
DPN: 095207 Page 1 of 2 Rev 6 4-12-24

Transit CVL Rear Sensor Relocation Instructions

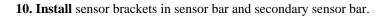
Installing New Wire Harness

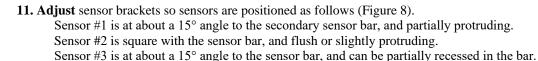
- 1. Feed the vehicle plug end of the new sensor harness through the secondary sensor bar mounting brackets. Start at the van center and stop at the factory vehicle harness plug (Figures 2 and 7).
- **2. Plug** new sensor harness into vehicle wire harness (Figure 5).
- **3. Route** new sensor wire harness along the center sensor bar brace (Figure 8).
- 4. Route new sensor wire harness over the top and down the inside of the passenger side lift arm, following limit switch wire harness (Figure 8).

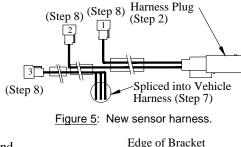




- 7. Splice sensor harness into vehicle harness at location "A", matching wire color (Figure 5).
- **8. Plug** sensors into new sensor harness (Figure 5).
- **9. Position** sensors into brackets and fix in position using zip ties. Be sure connector hangs over edge of bracket, allowing the back of the sensor to be flat against the bracket (Figure 6 and Figure 7).







Harness Plug

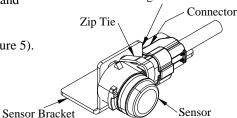


Figure 6: Orientation of sensor in bracket.

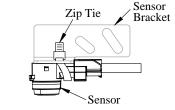
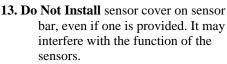


Figure 7: Top view of sensor in bracket.



12. Secure new sensor wire harness with zip ties.

14. Test rear sensors for proper operation.

