

9002-6511

2015 Ford F-150 Black Handle OEM Camera

Kit Contents:

Tailgate Handle with Camera
Chassis Harness with RCA
Wire Ties
Corrosion Inhibitor
1 bag containing:
 Template (along with these instructions)

Tools Required:

T30 Torx Driver
8mm and 10mm Sockets
Flat Head Screwdriver
Phillips Screwdriver
Plastic Trim Removal tool
Drill Bit (if needed)
1 inch Center Hole Saw
Soldering Iron
Small brush
Round file (if needed)
Deburring Tool



NOTE: We strive to provide accurate and up-to-date installation instructions. The latest full color instructions can be accessed at www.brandmotion.com

PRE-INSTALLATION VEHICLE CHECKLIST

Before beginning, determine how the vehicle is equipped and check appropriate boxes:

Determine whether the vehicle has an opening in the center of pickup bed close to opposite of the opening in the bottom of the tailgate.

- ☐ **YES**, skip Section 1.
- ☐ **NO**, tailgate must be removed to drill an opening for the camera harness (refer to Section 1).
- ☐ Check kit contents are complete against the list above.

	Pages
Section 1: Cut Pickup Bed Opening (if required)	2
Section 2: Camera Installation	3
Section 3: Chassis Harness Installation	4-5
Section 4: Wiring for Display	6

Section 1: Cut Pickup Bed Opening

Follow Steps 1 through 4 only if the vehicle does not have an opening in the bed above the license plate per Figure 1

Figure 1



1. Prepare a clean, flat work surface for tailgate. Remove tailgate retaining straps with a screwdriver. With an assistant, remove the tailgate by lifting away from lower tension pins, and set tailgate aside.
2. Measure 21 inches from the left edge and 1¼ inches from the top and make a temporary mark on the pickup bed (Figure 2).

Figure 2



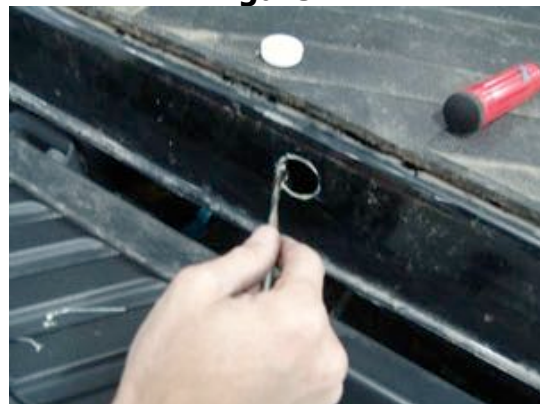
3. Center punch the mark and drill a pilot hole. Next, cut a 1-inch opening with a hole saw (Figure 3).

Figure 3



4. Clean the rough edges of the opening with a deburring tool. Recommended: Use a cotton swab or small brush to apply corrosion inhibitor to exposed edges (Figure 4). Reinstall tailgate.

Figure 4



Section 2: Camera Installation

- 5.** Remove the sheet metal cover from inside of the bed on the tailgate by removing the Torx bolts holding it on.
- 6.** Remove the tailgate handle by loosening two nuts with a 10mm socket.
- 7.** Route camera harness through handle opening in tailgate to the hole in the bottom of the tailgate.
- 8.** Reconnect to latch rods onto the handle.
- 9.** Install supplied tailgate handle camera into tailgate by tightening two nuts with 10mm socket.
- 10.** Pass the connector end of the tailgate handle camera through the 1-inch opening in the pickup bed.
- 11.** Reattached the tailgate to the bed of the truck if you had to remove it for installation of the camera harness.
- 12.** Reinstall the metal cover back on the tailgate with the Torx bolts that were just removed.

INSTALLATION INSTRUCTIONS

Section 3: Chassis Harness Installation

- 13.** Remove the driver side sill plate with a trim tool.

Figure 5



- 14.** Loosen driver side A-pillar molding with hands and then remove the driver side lower kick panel.
15. Pull back carpet in front of driver's seat.

Figure 6



- 16.** Secure F150 template over opening in front of driver's seat.

Figure 7



- 17.** Center punch and drill a pilot hole then drill a 1-inch hole with a hole saw.

- 18.** Clean the hole with a deburring tool.

Figure 8



- 19.** Recommended: Use a cotton swab or small brush to apply corrosion inhibitor to exposed edges.

Figure 9



- 20.** Route the supplied chassis harness through the drilled opening and seat the grommet from the inside of vehicle.

Figure 10



INSTALLATION INSTRUCTIONS

Section 3: Chassis Harness Installation continued

- 21.** Route the exterior portion of the supplied chassis harness along existing vehicle chassis harness and over fuel tank. Using supplied tie wraps, secure the harness to existing wiring at 2 inch intervals.

Figure 11



Figure 12



- 22.** Loop any excess from the harness as shown and secure with tie wraps.

Figure 13



- 23.** Plug the chassis harness into the camera harness installed earlier under the pickup bed.

Figure 14



INSTALLATION INSTRUCTIONS

Section 4: Wiring for Display

24. If needed, install aftermarket display or navigation display per instructions.
25. Remove the door sillplate with a trim tool and remove passenger side kick panel with hands.
26. Route the supplied chassis harness green, red, and black wires along the vehicle cross dash harness. Secure using wire ties wherever possible at 2-inch intervals.
27. Splice the green wire to reverse from the supplied chassis harness. ***If using an Interface that automatically switches the screen to the reverse input, connect the green wire to ignition.*** Solder and cover the connection with tape or heat shrink tubing.
28. Attach the black ground wire eyelet from the supplied chassis harness to sheet metal.
29. Splice the red wire to ignition from the supplied chassis harness. Solder and cover the connection with tape or heat shrink tubing.
30. Connect the male RCA from the chassis harness to the camera IN on the aftermarket display or navigation display. In some cases a RCA extension may be required.
31. Start the vehicle and shift into reverse. If all of the connections are correct an image will appear on the aftermarket display or navigation display.
32. Reinstall all previously removed interior and exterior parts.