

## Third Brake Light Cargo Camera 1999-2016 Ford F-250, 2011-2016 Ford F-350 (Kit # FLTW-7629)

Please read thoroughly before starting installation and check that kit contents are complete.

### Items Included in the Kit:

Cargo lamp bracket w/camera  
Chassis harness  
Power/video harness  
These instructions

### Tools & Supplies Needed:

Wire strippers  
Wire cutters  
Electrical tape  
Zip ties  
Plastic panel removal tools  
Digital Volt Meter / BCM safe test light  
Screwdriver  
Socket set/wrench  
Torx bits



### **Safety Precautions:**

- Work in well ventilated area that is clear of obstructions.
- Secure vehicle with tire chucks in both front and rear of tires.
- Turn vehicle accessories OFF and ensure ignition key is in OFF position.
- Wear safety goggles and snug fitting clothes.
- Use tools only for their intended purpose and which are in good repair.
- Only perform this task if confidence, skill, and physical ability permit.

**NOTE: We strive to provide accurate and up-to-date installation instructions. For the latest full color instructions, as well as an installation video, please visit [www.brandmotion.com](http://www.brandmotion.com)**

## INSTALLATION INSTRUCTIONS

1. Remove the factory cargo lamp from the vehicle by removing the (2) Phillips screws and lifting from the bottom.



2. Unplug factory connector from the back of the light.



3. Place the factory cargo lamp on top of the cargo lamp bracket with camera, and reconnect the factory cargo lamp connector.



4. Insert the camera harness into the opening in the roof.
5. From the inside of the vehicle remove the rear of the headliner to gain access to the camera harness. (Each vehicle is different, be careful not to bend the headliner too much to access the harness).
6. Route the cable forward to the A-pillar of the vehicle.

7. Remove the (2) covers on the handle to gain access to the 10mm bolts.



8. Remove the (2) 10mm bolts and route the harness down the pillar toward the display. (Be careful of any airbags in the pillar and avoid routing the harness over the airbag).

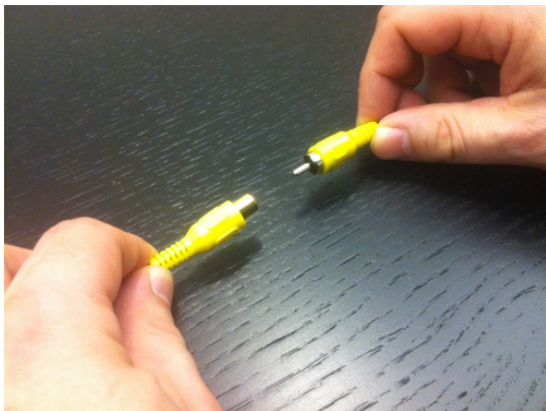


## INSTALLATION INSTRUCTIONS

9. Connect Chassis Harness to supplied Power Harness RCA and power plugs.



10. Connect Power Harness male RCA connector to RCA located on your display.



11. Using a vehicle specific service guide/wiring diagram and a multi-meter, verify 12V ignition. RED wire of power harness connects to 12V+ ignition/accessory and BLACK wire of power harness to black chassis ground nut or wire. **RECOMMENDED:** Solder wires and cover with heat shrink tubing or use T-taps as an optional connection method.
12. Use wire ties or electrical tape to secure chassis harness and jumper harness RCA and power connections.
13. Coil any excess chassis harness and secure it to existing vehicle wiring with wire ties or electrical tape.
14. Install the factory cargo lamp with the cargo lamp bracket with camera behind it. Use the factory screws.

15. Start the screw in the light about a ¼ inch and then put on back of vehicle cab and tighten the screws the rest of the way. (Be sure the foam gasket is set in the correct place). We are not responsible for leaks from around the new lamp.
16. Test system. Check display for the camera image.
17. Reassemble vehicle. Follow your disassembly steps in reverse order, taking care not to bind the harness wiring when reinstalling trim.



### CAMERA OPTIONS

**The camera offers grid lines or no grid lines and mirror image options for forward-facing cameras.**

**Grid line options:** Default setting **displays grid lines**. To remove the grid line display, connect the two green wires near the end of the Camera Harness.

**Display options:** Default setting is **mirror image display** (i.e., words and letters appear backwards as in a mirror) for **rearward facing camera** (rear view) installation. To change to **forward facing camera** (front view), connect the two white wires near the end of the camera harness.



Green and White wires on the Camera Harness