

**2004-2014 F-Series Black Handle
Rear Vision Camera with Optional Gridlines
FLTW-7614**

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

Items Included in the Kit:

Tailgate Bezel with Camera
Chassis Harness
Power Harness
Instructions

Tools & Supplies Needed:

Wire Ties
Electrical Tape or Heat Shrink Tubing
Plastic Trim Removal Tool
Soldering Iron & Solder (Recommended)
Small grommet or Silicone (If needed)
Vehicle service manual (If needed)



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.

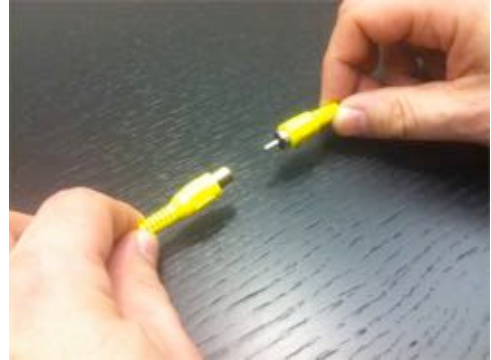
1. Disassemble tailgate and remove current tailgate bezel assembly.
2. Transfer lock assembly and install new tailgate bezel.
3. Route camera harness through the hole in bottom of tailgate. Drill hole if one does not exist.
RECOMMENDED: Protect camera harness from any sharp metal edges by applying a small amount of silicone caulk or a rubber grommet.
4. Connect camera harness to supplied chassis harness. The optimal location for this junction may occur under rear bumper.



5. Wrap connection with electrical tape to ensure tight connection and seal from environment.
IMPORTANT: Ensure harnesses moves freely with the tailgate.
6. Route chassis harness forward. Zip tie along existing wire harness. Make sure harness does not get pinched and is away from hot or moving components.
7. Route chassis harness into truck cab through existing body plug. Drill hole if necessary.
RECOMMENDED: Protect Camera Harness from any sharp metal edges by applying a small amount of silicone caulk or a rubber grommet and to seal cab from water.
8. Using a vehicle-specific service guide/wiring diagram and a multi-meter, verify 12v reverse or ignition power source. Red wire of power harness connects to 12v+ Ignition or reverse power and black wire of power harness to black chassis ground nut or wire.
RECOMMENDED: Solder wires and cover with heat shrink tubing.
9. Use wire ties to secure chassis harness up to vehicle display.

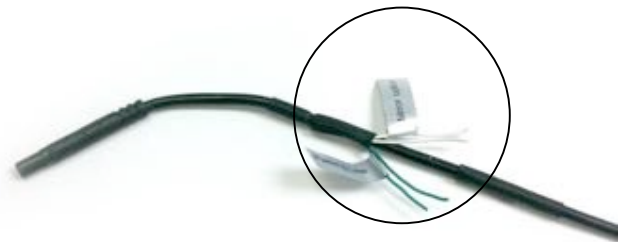
INSTALLATION INSTRUCTIONS

10. Connect chassis harness male RCA connector to RCA located on your display.
11. Coil any excess chassis harness and secure it to existing vehicle wiring with wire ties or electrical tape.



12. Test system. Close tailgate and clear all removed items from around the vehicle before starting the vehicle. Next, shift into reverse and check radio display for the camera image.
13. Reassemble vehicle. Follow your disassembly steps in reverse order, taking care not to bind the harness wiring when reinstalling trim.

Gridline options: The camera's default setting **displays gridlines**. To remove the gridline display, connect the two green wires near the end of the Camera Harness. This will remove the gridlines once the camera is repowered.



Green wires on the Camera Harness.