

## 2009-2013 Toyota Tundra Rear Vision Camera with Optional Parklines (Kit part number FLTW-7718)

### **Kit Contents:**

Chassis Harness  
Radio Jumper Harness  
1 bubble bag containing:  
    Tailgate Handle Camera  
1 bag containing:  
These instructions

### **Tools & Supplies Required:**

Socket Wrench or Socket Driver  
Plastic Trim Removal Tool  
Phillips and Flat Blade Screwdrivers  
Power Drill  
Center Punch  
Heat Shrink Tubing (recommended) or Electrical Tape  
Soldering Iron and Solder (optional) or T-taps  
Corrosion Inhibitor (recommended)  
Wire Ties (recommended)

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

**IMPORTANT:** Verify kit contents are complete against list above before beginning installation.

### **Preparation**

1. Ensure all lamps and accessories are OFF.
2. Ensure ignition switch is in the OFF position.
3. Loosen negative battery cable bolt. Remove negative battery cable from terminal and position away from battery
4. Wait one (1) minute prior to working on vehicle to assure SIR roof rail airbag system has been disabled for your safety

### **Install Camera into Tailgate**

5. Lower Tailgate and (if equipped) remove plastic Tailgate Protector.
6. Remove the Tailgate Access Panel. (Figure 1)

**Figure 1**



7. Disengage (2) plastic Latch Rod Retainer Clips using your fingers. (Figure 2)

**Figure 2**



8. Remove Tailgate Handle using a Socket. (Figure 3)

**Figure 3**



9. Remove lock cylinder from original Tailgate Handle. Remove Tailgate Lock Cylinder Retaining Clip and then Tailgate Lock Cylinder and reinstall into supplied Tailgate Handle Camera. (Figure 4)

**Figure 4**



10. Route Tailgate Handle Camera connector down through Tailgate Handle opening then out through the hole at bottom of Tailgate.
11. Pull Tailgate Handle Camera connector through the pass-through hole in the rear of the pickup box.

12. Reinstall Tailgate Handle.
13. Reattach (2) plastic Latch Rod Retainer Clips using your fingers.
14. Reattach Tailgate Access Panel.
15. (If equipped), reinstall plastic Tailgate Protector.
16. Close Tailgate.

## Chassis Harness Pass Through

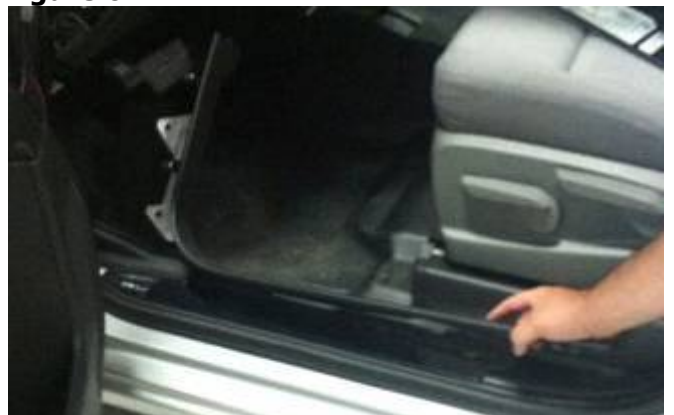
17. Using a Plastic Trim Removal Tool, remove Left Instrument Panel Outer Trim Cover. (Figure 5)

**Figure 5**



18. Remove driver side door sill cover/kick panel cover. (Figure 6)

**Figure 6**



19. Pull back driver side floor carpet.
20. Look for existing grommet or hole to run chassis harness through. If no existing hole is available make sure that there is nothing on the back side of pass through opening (wiring, parking brake cable, etc), mark center with a Center Punch and use a 1/2" Drill Bit to make a pilot hole. (Figure 7)

**Figure 7**



**21. Recommended:** Apply a corrosion inhibitor to the Chassis Harness pass through hole. (Figure 8)

**Figure 8**



**22.** Insert RCA connector end of supplied Chassis Harness through cab floor into cab. (**Recommended:** Silicon or Grommet to seal off hole.)

### Wire Chassis Harness

23. Splice **Red** power wire to vehicles 12V accessory and attach **Black** Ground wire to chassis ground. (**Recommended:** Solder and cover with Heat Shrink Tubing.)

### Connect & Secure Chassis Harness

24. Step 8: Use a plastic trim removal tool, 10mm socket, and Phillips screwdriver to remove garnish and fasteners securing the radio display.
25. Step 9: Remove the radio and disconnect the smaller white 16-pin connector.
26. Step 10: Plug the white 16-pin radio connector into the female end of supplied Jumper Harness.

**27. Step 11: Plug the male 16-pin connector of supplied Jumper Harness into the radio.**

28. Route supplied Chassis Harness along existing chassis harness toward rear of vehicle, staying clear of body mounts. (Figure 12)

**Figure 12**



29. Connect supplied Chassis Harness to Tailgate Handle Camera harness. Using a heat gun shrink the remaining used portion of the heat shrink to create seal between chassis and camera harness. (Figure 13)

**Figure 13**



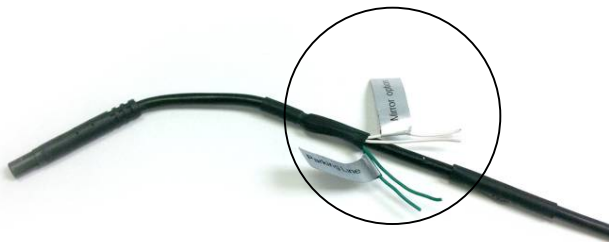
30. Secure supplied Chassis Harness along the existing Chassis Harness using Wire Ties (recommended) every 200mm (approximately 8"). **Note:** Depending on vehicle wheelbase there may be excess length in the Chassis Harness. Loop, and secure with Wire Ties (recommended) or Electrical Tape, any excess harness length along the Body Frame away from Mechanical areas.
31. Reconnect negative battery terminal.
32. Test system functionality.
33. Re-install all previously removed trim.

## CAMERA PARKLINE OPTION

The camera offers **Park lines or non-Park lines options.**

**Park line options:** Default setting **displays Park lines.** To remove the grid line display, pull back plastic convolute from end of camera harness and connect the two green wires.

**Display options:** Do not use white wires.



**Green and White wires on the Camera Harness.**