

**Snap-In Lip Mount CMOS Camera with Optional Grid Lines**  
**(Kit # FLTW-7603)**

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

**Items Included in the Kit:**

Camera  
Hole Saw for camera mount  
Chassis Harness  
Power Harness  
These Instructions with Template

**Tools & Supplies Needed:**

¼" Drill Bit (If Needed)  
Center Punch  
Power Drill  
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.**

**Step 1: Determine Camera location.** Place template in desired position to confirm fitment. (IMPORTANT: Some states prohibit items blocking the license plate; check local authorities to confirm legal status for your application).

**Step 2: Mark Camera location with supplied template, Center Punch the mark, and use supplied 19mm Hole Saw to drill Camera mounting hole.** NOTE: If your vehicle has a liftgate panel/ trunk trim cover, it must be removed.



**Step 3: (If necessary) Use a ¼" Drill Bit to make a pass through hole in any obstructing panel for the Camera Harness connector.**

**Step 4: Insert connector end of the Camera Harness through the hole(s) you drilled.**

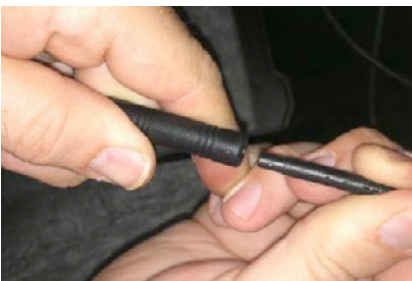
RECOMMENDED: Protect Camera Harness from any sharp metal edges by applying a small amount of silicone caulk or a rubber grommet (shown below) to any area that may come into contact with metal.



**Step 5: Route Camera and/ or Chassis Harness along existing wiring and secure using Wire Ties or Electrical Tape.**

IMPORTANT: Ensure harnesses move freely with the trunk or liftgate.

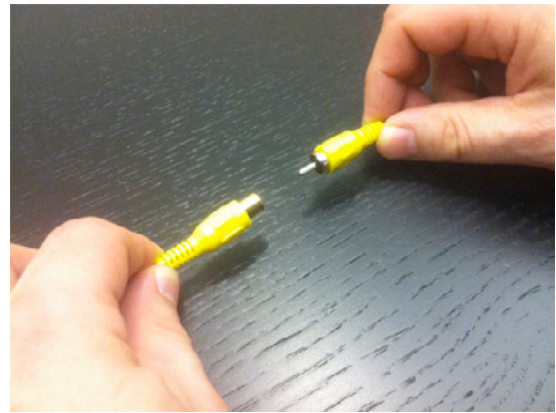
**Step 6: Connect Camera Harness to supplied Chassis Harness.** The optimal location for this junction may occur at the top of the liftgate or inner trunk edge.



**Step 7: Route Chassis Harness forward.** It may be necessary to remove sill plates, pillar covers, side panels, etc. Use a Plastic Trim Removal Tool to avoid damage to trim pieces.

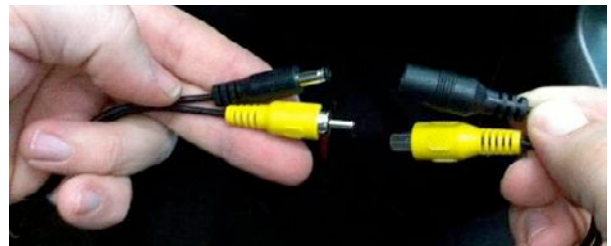
**Step 8: Connect Power Harness male RCA connector to RCA located on your Display.**

## INSTALLATION INSTRUCTIONS



**Step 9: Using a vehicle specific service guide/wiring diagram and a multi-meter verify 12v Ignition or Reverse 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 or use T-taps as an optional connection method.

**Step 10: Connect Chassis Harness to supplied Power Harness RCA and power plugs.**



**Step 11: Use Wire Ties or Electrical Tape to secure Chassis Harness and Jumper Harness RCA and power connections.**

**Step 12: Coil any excess Chassis Harness and secure it to existing vehicle wiring with Wire Ties or Electrical Tape.**

**Step 13: Test system.** Close trunk or liftgate 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.

**Step 14: (If necessary) Adjust camera aim.**  
Reposition camera to the desired viewing angle.

**Step 15: Reassemble vehicle.** Follow your disassembly steps in reverse order, taking care not to bind the harness wiring when reinstalling trim.



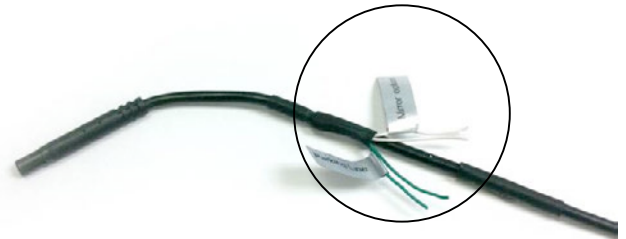
## INSTALLATION INSTRUCTIONS

### CAMERA OPTIONS

**The camera offers grid lines or non grid lines and mirror image or non mirror image options.**

**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 **non mirror image display** for **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.**