

**Snap-In Adjustable Bullet Camera with Optional Grid Lines
(Kit # 9002-7612)**

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

24.5 MM HOLESAW NOT INCLUDED IN THIS KIT

Items Included in the Kit:

Camera
Chassis Harness
These instructions with template

Tools & Supplies Needed:

1/4" 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)
24.5 mm Holesaw



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 24.5mm hole Saw to drill camera mounting hole.

Step 3: (If necessary) Use a 1/4" 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.



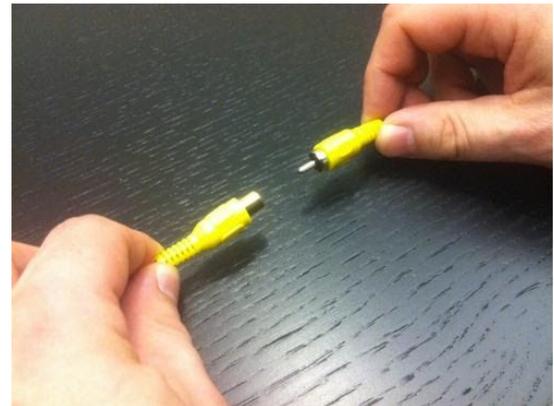
Step 5: Route camera and/ or chassis harness along existing wiring and secure using wire ties or electrical tape. **IMPORTANT:** Ensure harnesses move freely with the trunk or liftgate.

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 chassis harness male RCA connector to RCA located on your display.



Step 9: Using a vehicle-specific service guide/wiring diagram and a multi-meter, verify 12v Ignition. Red wire of chassis harness in the front or the rear connects to 12v+ Ignition and black wire of chassis harness to a ground in vehicle. **RECOMMENDED:** Solder wires and cover with heat shrink tubing or use T-taps as an optional connection method.

INSTALLATION INSTRUCTIONS

Step 10: Coil any excess chassis harness and secure it to existing vehicle wiring with wire ties or electrical tape.

Step 11: 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 12: (If necessary) Adjust camera aim. Reposition camera to the desired viewing angle by using the U shape tool in kit, by inserting the ends into the "holes" around the lens.

Step 13: 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 or forward-facing 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 **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.

Hole Saw Template

24.5mm diameter

