

2013 – Current Subaru Legacy & Outback Factory 4" Display Radio Camera (Kit # FLTW-7636)

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
- Display Harness with 28-pin connector ends
- These Instructions with Template

Tools & Supplies Needed:

- Phillips Screwdriver
- Center Punch
- 1/4" Drill Bit (if needed)
- Power Drill
- Wire Ties
- Electrical Tape or Heat Shrink Tubing
- Plastic Trim Removal Tool
- Soldering Iron & Solder (Recommended)
- T-taps (optional)
- 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.

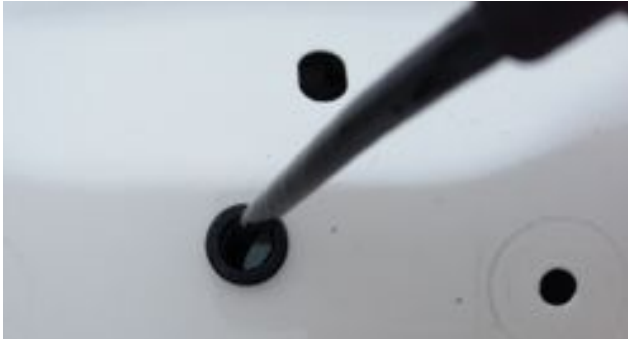


Step 3: (If necessary) Use a 1/4" Drill Bit to make a pass through hole in any obstructing panel for the Camera Harness connector.

INSTALLATION INSTRUCTIONS

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

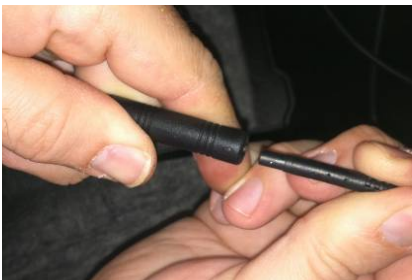
RECOMMENDED: Protect Camera Harness from any sharp metal edges by applying a small amount of silicone caulk or a rubber grommet (shown below) to any area that may come into contact with metal.



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: Use a Plastic Trim Removal Tool, 7 or 10mm Socket, and/ or Phillips Screwdriver to remove garnish and fasteners securing the radio display.

Step 9: Pull the radio out to disconnect the vehicles 28-pin connector. Caution: Be careful not to disconnect antenna or other connection to back of radio.

28 pin camera connection

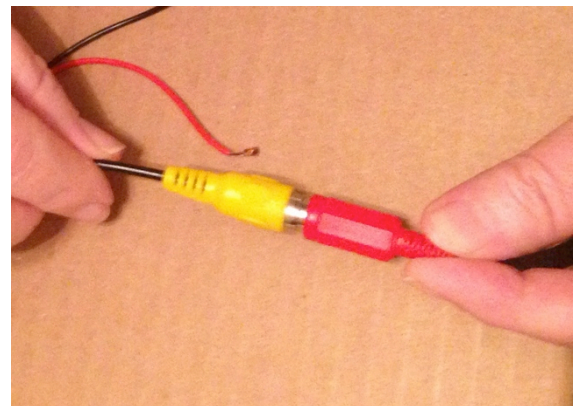


Step 10: Plug the vehicles 28-pin radio connector into the female 28-pin connector of supplied Display Harness.

Step 11: Plug the male 28-pin connector of supplied Display Harness into the radio.

Step 12: Route supplied Chassis Harness under carpet to the center console area. CAUTION: Keep harness away from accelerator, brake pedal, and parking brake assembly.

Step 13: Connect Power Harness male RCA connector to Display Harness female RCA connector.



Step 14: Using a vehicle specific service guide/wiring diagram and a multi-meter verify 12v Ignition power source. Red wire of power harness connects to 12v+ Ignition power and Black wire of power harness to

INSTALLATION INSTRUCTIONS

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 15: Connect Chassis Harness to supplied Power Harness RCA and power plugs.



Step 16: Use Wire Ties or Electrical Tape to secure Chassis Harness and Jumper Harness RCA and power connections.

Step 17: Coil any excess Chassis Harness and secure it and the Jumper Harness to existing vehicle wiring with Wire Ties or Electrical Tape.

Step 18: Reinstall radio display and inspect that all connections are proper and secure.

Step 19: 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 20: (If necessary) Adjust camera aim.

Reposition camera to the desired viewing angle.

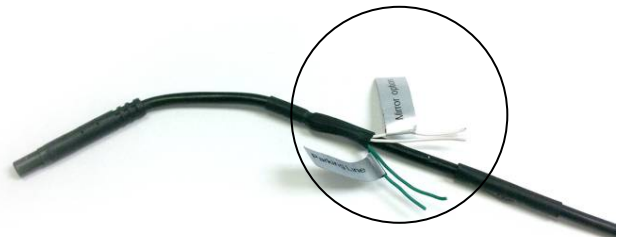
Step 21: Reassemble vehicle. Follow your disassembly steps in reverse order, taking care not to bind the harness wiring when reinstalling trim.

CAMERA OPTIONS

The camera offers **grid lines or 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.