

Grand Cherokee, Dodge Durango, Dodge Caravan Factory Display Radio Camera

(Kit # FLTW-7632) NOTE: Requires Chrysler/Dodge dealer to activate; see below

- Applications:** 2011 – current Chrysler Town & Country (RBZ, RHB, RER, REZ, RBZ, REW radios)
2011 – current Dodge Durango (RHR, RHB, RHZ, RHP, 8.4" radios)
2011 – current Dodge Grand Caravan (RBZ, RHB, RER, REZ, RBZ, REW radios)
2011 – current Dodge Ram Tradesman (RBZ, RHB, RER, REZ, RBZ, REW radios)
2008 – 2010 Jeep Commander (430, 730 radios)
2008 – current Jeep Grand Cherokee (430, 730, RHR, RHB, RB2, RHP, 8.4" radios)

IMPORTANT: Use of this camera with the factory display requires activation by a Chrysler/Dodge dealer. See below for Dealer Programming Instructions. If possible, have the dealer "enable" the camera option prior to installation.

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 22-pin connector
Loose red and black wires (if needed)
These Instructions with Template

Tools & Supplies Needed:

Dealer Programmer Tool
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:

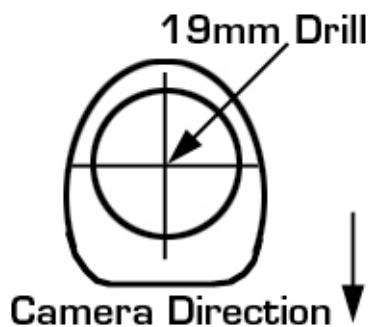
- Work in well ventilated area that is clear of obstructions.
- Secure vehicle with tire chucks in both front and rear of tires.
- Turn vehicle accessories OFF and ensure ignition key is in OFF position.
- Wear safety goggles and snug fitting clothes.
- Use tools only for their intended purpose and which 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.

INSTALLATION INSTRUCTIONS

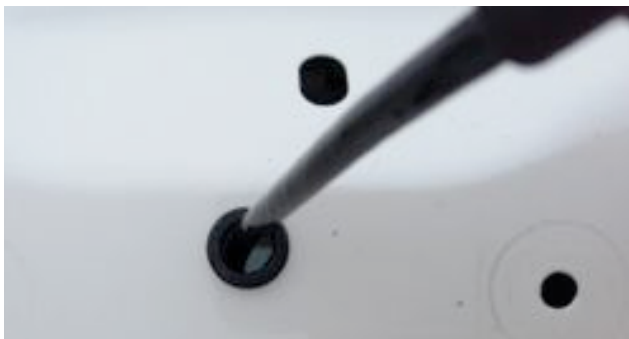
Step 1: Determine Camera location. Place template in desired position to confirm fitment. (IMPORTANT: Some states prohibit items blocking the license plate; check local authorities to confirm legal status for your application).

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.

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.

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.



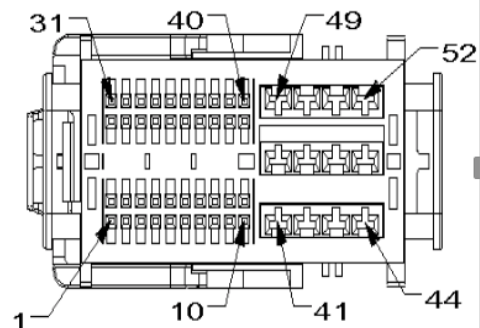
Step 7: Route Chassis Harness forward. It may be necessary to remove sill plates, pillar covers, side panels, etc. Use a Plastic Trim Removal Tool to avoid damage to trim pieces.

Step 8: Use a Plastic Trim Removal Tool, 7mm Socket, and/or Phillips Screwdriver to remove garnish and fasteners securing the radio display.

Step 9: Unplug all radio connectors from the radio head unit and set radio aside.

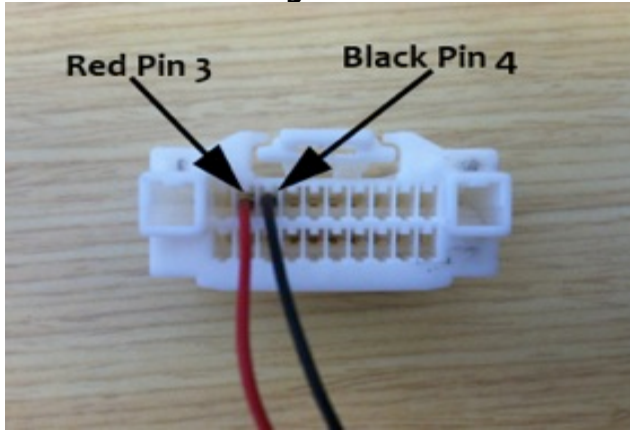
Only complete Step 10 for 2014 Dodge Durango and 2014 Jeep Grand Cherokee vehicles.

Step 10: Insert terminal from red wire on supplied chassis harness into position 31 of black 52-pin radio connector and insert terminal from black wire on supplied chassis harness into position 32 of black 52-pin radio connector.



NOTE: If vehicle is NOT equipped with a 22-pin radio connector (Figure 1), use supplied White connector to complete Steps 23 & 24.

Figure 1



IMPORTANT: If the White 22-pin connector is present in the vehicle and Pin 3 and/or Pin 4 are already populated, remove the terminal(s) using Delphi Terminal Removal Tool #12094429 or a Small Flat Watch Repair Screwdriver and isolate with Electrical Tape.

Step 11: Remove both terminals from chassis harness. Splice provided loose red wire to chassis harness red wire and insert terminal into pin position 3 on the white 22-pin radio connector (Figure 1) until it clicks securely.

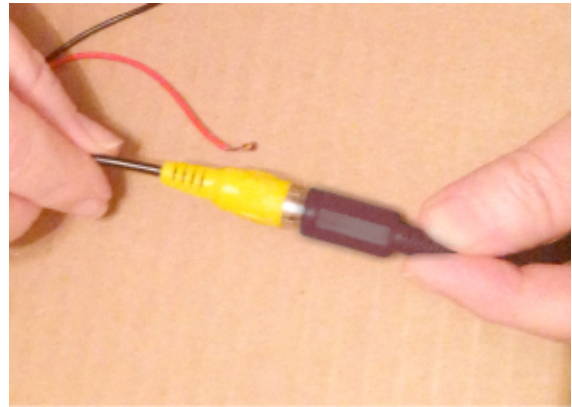
Step 12: Splice provided loose black wire to chassis harness black wire and insert terminal into pin position 4 on the white 22-pin radio connector (Figure 1) until it clicks securely.

Step 13: Connect White 22-pin Connector to radio along with all remaining radio connectors before reinstalling radio head unit and all trim removed.

Step 14: Route supplied Chassis Harness under carpet to the center console area.
CAUTION: Keep harness away from accelerator, brake pedal, and parking brake assembly.

INSTALLATION INSTRUCTIONS

Step 15: Connect Power Harness male RCA connector to Display Harness female RCA connector.



Step 16: 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 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 17: Connect Chassis Harness to supplied Power Harness RCA and power plugs.



Step 18: Use Wire Ties or Electrical Tape to secure Chassis Harness and Jumper Harness RCA and power connections.

Step 19: Coil any excess Chassis Harness and secure it and the Jumper Harness to existing vehicle wiring with Wire Ties or Electrical Tape.

Step 20: Dealer Programming Instructions

PARK VIEW REAR BACK-UP CAMERA VEHICLE CONFIGURATION

Vehicle VIN must be updated with the sales code of the added accessory in order to enable system functionality. Using the DealerCONNECT website and the scan tool, complete the procedure below:

- A. Log on to <https://dealerconnect.chrysler.com>
- B. In the "Vehicle Option" screen under "Global Claims System" category in the "Service" tab, enter the VIN and add the following sales code: XAC (PARK VIEW REAR BACK-UP CAMERA) as a "Dealer Installed Option."
- C. Confirm that the new sales code has been successfully added to the VIN. With the scan tool connected to both the internet (via Ethernet port or wireless connection) and the vehicle, perform the following steps:
- D. Using the scan tool, select VEHICLE PREPARATION and then select RESTORE VEHICLE CONFIGURATION.
- E. Follow the step by step instructions on the scan tool to complete the Park View Rear Back-Up Camera vehicle configuration.

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.

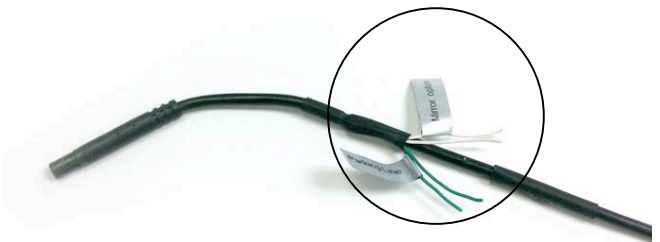
Step 21: Reassemble vehicle. Follow your disassembly steps in reverse order, taking care not to bind the harness wiring when reinstalling trim.

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.