

2011 – Current Chrysler 300, Dodge Charger, Dodge Journey Factory Display Radio Camera (CTP, RE2, RE4)

(Kit # FLTW-7631) NOTE: Requires Chrysler/Dodge dealer to activate; see below

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
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.

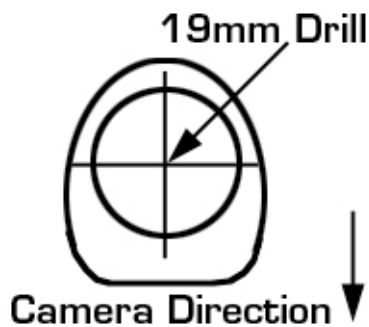
NOTE: We strive to provide accurate and up-to-date installation instructions.

IMPORTANT: Use of this camera with the factory screen 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.

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.

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.



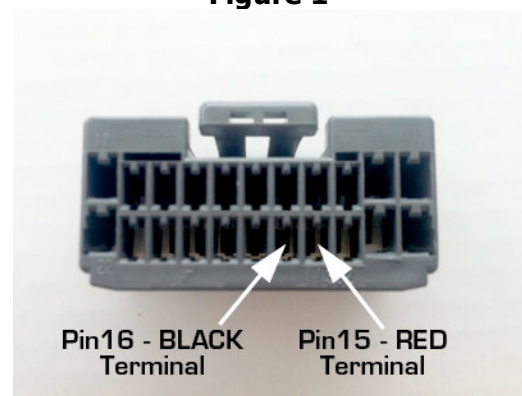
Step 7: Route Chassis Harness forward. It may be necessary to remove sill plates, pillar covers, side panels, etc. Use a Plastic Trim Removal Tool to avoid damage to trim pieces.

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

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

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

Figure 1



IMPORTANT: If the Gray 22-pin connector is present in the vehicle and Pins 15 and/or 16 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 10: Locate pin position 15 on the Gray 22-pin radio connector (Figure 1) and insert Red terminal of Display Harness until it clicks securely.

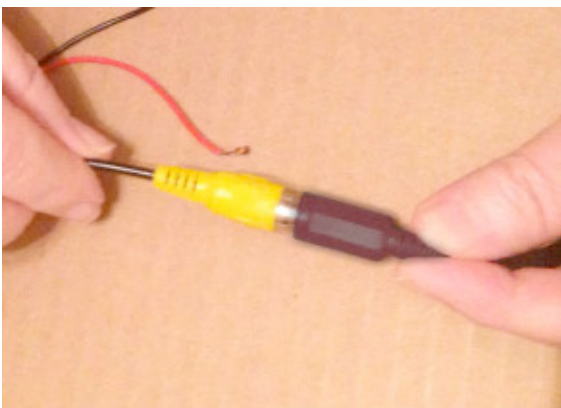
Step 11: Insert Black terminal of Display Harness into pin position 16 on the Gray 22-pin radio connector (Figure 1) until it clicks securely.

Step 12: Connect Gray 22-pin Connector to radio along with all remaining radio connectors before reinstalling radio head unit and all trim removed.

Step 13: Route supplied Chassis Harness under carpet to the center console area.

CAUTION: Keep harness away from accelerator, brake pedal, and parking brake assembly.

Step 14: Connect Power Harness male RCA connector to Display Harness female RCA connector.



INSTALLATION INSTRUCTIONS

Step 15: 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 16: Connect Chassis Harness to supplied Power Harness RCA and power plugs.



Step 17: Use Wire Ties or Electrical Tape to secure Chassis Harness and Jumper Harness RCA and power connections.

Step 18: Coil any excess Chassis Harness and secure it and the Jumper Harness to existing vehicle wiring with Wire Ties or Electrical Tape.

Step 19: 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 20: 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 21: (If necessary) Adjust camera aim. Reposition camera to the desired viewing angle.

Step 22: Reassemble vehicle. Follow your disassembly steps in reverse order, taking care not to bind the harness wiring when reinstalling trim.

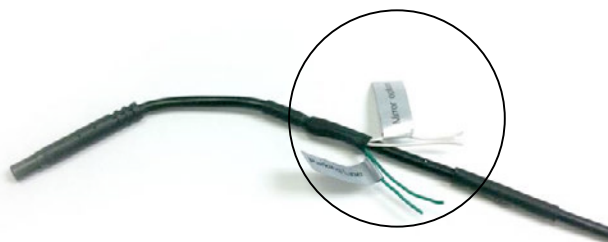
INSTALLATION INSTRUCTIONS

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.