PART NUMBER: 250-8409 & 250-8410
*REQUIRES CHRYSLER/DODGE DEALER ACTIVATION
CHRYSLER 300
DODGE CHARGER
DODGE JOURNEY

KIT CONTENTS

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<tr>
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<td>INTERFACE ADAPTER HARNESS</td>
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<tr>
<td>2</td>
<td>1</td>
<td>REAR CAMERA ASSEMBLY</td>
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<tr>
<td>3</td>
<td>1</td>
<td>CAMERA EXTENSION HARNESS</td>
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HARDWARE BAG CONTENTS

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<td>ALCOHOL PAD</td>
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ADDITIONAL ITEMS REQUIRED FOR INSTALL

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CONFLICTS

NOTE:

RECOMMENDED TOOLS

SAFETY TOOLS

SPECIAL TOOLS

INSTALLATION TOOLS

FASTENER REMOVAL TOOL  WIRE CUTTERS
TRIM REMOVAL TOOL      T30 TORX SOCKET
10-MM DEEP SOCKET      TORQUE WRENCH (36 in.lb.)

SPECIAL CHEMICALS

COLOR APPLICABILITY/TRIM LEVEL

GENERAL APPLICABILITY

VEHICLES WITH 8.4" TOUCHSCREEN DISPLAY

RECOMMENDED SEQUENCE OF APPLICATION

* MANDATORY

LEGEND

STOP: Damage to vehicle may occur. Do Not Proceed until process compliance has been met.

OPERATOR SAFETY: Use Caution to Avoid Risk of Injury.

CRITICAL PROCESS: Proceed with Caution to Ensure a Quality Installation. These points will be audited on a completed vehicle installation.

GENERAL PROCESS: This highlights specific processes to ensure a quality installation. These points will be audited during the accessory installation.

TOOLS & EQUIPMENT: This calls out the specific tools and equipment required for the process.

REVISION MARK: This mark highlights a change in installation with respect to previous issue.

Special Note: Installation Sequences

After Safety mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.
### Parts Identification

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<td>250-8147</td>
<td>CMOS Rear Camera Assembly Camera Extension Harness</td>
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<td>Sack Parts: Tie Straps</td>
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*Before beginning installation, familiarize yourself with the installation instructions and the ReaRSight™ back-up camera system components.*
VEHICLE PREPARATION

1. Use a trim tool to disengage the 4 clips and remove the air conditioner control assembly. Disconnect all connectors. Figure 1

2. Remove 4 screws as shown to release the radio receiver assembly with bracket. Figure 2

3. Disengage clips to remove the front driver side door scuff plate. Figure 3

4. Disengage clips to remove the rear door scuff plate. Figure 4. Remove carpet from trunk area and remove license plate light assembly.
INSTALLING INTERFACE HARNESS

1. REMOVE BLACK 22-PIN CONNECTOR HARNESS BEHIND THE RADIO RECEIVER AT THE BOTTOM RIGHT OF THE HOUSING. **FIGURE 5**

2. CONNECT THE INTERFACE ADAPTER HARNESS INTO RADIO RECEIVER CONNECTOR HOUSING. THEN CONNECT THE REMOVED BLACK CONNECTOR HARNESS INTO THE MATING CONNECTOR OF THE INTERFACE ADAPTER HARNESS. **FIGURE 6**

4. CONNECT **MALE RCA** VIDEO CONNECTOR OF CAMERA EXTENSION HARNESS TO **VIDEO** INPUT (YELLOW CONNECTOR) OF INTERFACE ADAPTER HARNESS. **WRAP RCA** CONNECTORS WITH THE FOAM TAPE PROVIDED. **FIGURE 7**. ROUTE CAMERA EXTENSION HARNESS FROM INTERFACE ADAPTER HARNESS TO THE DRIVER’S SIDE KICK PANEL AREA AND THROUGH FRONT AND REAR DOOR SCUFF PLATES.
ROUTING HARNESS AND MOUNTING
CAMERA

1. See the camera extension harness and camera assembly harness routing in Figure 8. Locate the license plate access hole and left side grommet behind carpet. Use the existing wiring with wire clips to secure harnesses.

2. Drill a 5/16” (8mm) hole in the area to the right of the license plate light assembly (Dodge Charger shown). Figure 9. For Dodge Journey, locate an area close to rear center of the vehicle to mount the camera. Be sure that the location chosen is accessible from the interior of the vehicle to provide access to screw on the nut for the camera.

3. Use the provided two sided tape and insert stud to mount Camera Assembly into the previously drilled hole. Figure 10
CAMERA CONNECTIONS

1. Connect the camera extension harness to the camera assembly connector in the trunk area. Figure 11. Secure the connector with foam tape. Using the supplied T-taps and male spade terminals, connect the **Red Wire** lead from the camera extension harness to +12 volts ignition power. Connect the **Black Wire** lead to ground.

2. Cut the green wire and isolate both halves of the wire to disable the gridlines overlaid onto the video feed of the camera by default. Figure 12

4. If the camera orientation is desired as shown in Figure 13, the white wire from the camera harness will need to be cut and isolated in order to flip the video image upright.

5. Cut the **White Wire** and isolate both halves of the wire to flip the video image to match the orientation of the camera. Figure 14
TESTING AND REASSEMBLY

TESTING

1. Reconnect Negative Battery Cable and torque to 3 ft lbs. Re-enter any theft deterrent information if applicable.

2. Turn the ignition switch on. Put the vehicle in reverse. Verify that the radio display is on and that the camera’s picture appears.

3. If there is no picture, verify all connections are secure.

REASSEMBLY

1. Reinstall all trim pieces taking special care to ensure harnesses and wiring connections are properly secured.

2. Be sure harness is not pinched or bound by trim pieces.

3. Reconnect all disconnected bulbs and check for function.

DEALER ACTIVATION INSTRUCTIONS: 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 StarScan diagnostic tool, complete the procedure below:

1. Log on to https://dealerconnect.chrysler.com
2. In the “Vehicle Option” screen under the “Global Claims System” category in the “Service” tab, enter the vehicle VIN and add the sales code XAC (Park View Rear Back-Up Camera) as a “Dealer Installed Option”.
3. Confirm that the new sales code has been successfully added to the VIN.
4. With the StarScan diagnostic tool connected to both the internet (via Ethernet port or wireless connection) and the vehicle, follow the steps below:
5. Using the StarScan select the VEHICLE PREPARATION and then select RESTORE VEHICLE CONFIGURATION.
6. Follow the step by step instructions on the StarScan to complete the Park View Rear Back-Up Camera vehicle configuration.
7. When the Park View Rear Back-Up Camera Vehicle Configuration is complete, go to the Validation Process to verify that the vehicle has been updated.

VALIDATION PROCESS

From the “Initial Start Up” screen on the StarScan follow the steps below:

1. Using the StarScan follow the menu to ECU VIEW, select TIPMCGW CENTRAL GATEWAY, MORE OPTIONS, ECU DETAILS and then CONFIG INFO
2. Verify REAR CAMERA PRESET- - -SET is present.