

PARTS IDENTIFICATION

ITEM	QUANTITY	PART NUMBER	DESCRIPTION
1	1	00016-00040-01	REARSIGHT MONITOR/MIRROR
2	1	00016-00040-04	CAMERA EXTENSION HARNESS
3	1	00016-00040-02	REAR CAMERA ASSEMBLY
4	1	00016-00040-03	SACK PARTS: TIE STRAPS, T-TAPS, SEALING PUTTY



***BEFORE** BEGINNING INSTALLATION, **FAMILIARIZE** YOURSELF WITH THE INSTALLATION INSTRUCTIONS AND THE **REARSIGHT™** BACK-UP CAMERA SYSTEM COMPONENTS.

VEHICLE PREPARATION



CAUTION: IT IS ADVISABLE TO DISCONNECT THE NEGATIVE BATTERY CABLE FOR 3 MINUTES BEFORE BEGINNING INSTALLATION, TO AVOID UNINTENDED AIR BAG DEPLOYMENT. NOTE AND RECORD ANY ANTI-THEFT RADIO CODES PRIOR TO DISCONNECTING.



VEHICLE PREPARATION



1. Remove OE mirror & discard.
Insert tip of panel removal tool into mirror base to release mirror from button. **FIGURE 1**
2. REMOVE THE DRIVER SUNVISOR RETAINING CLIP & map light assembly.
(a) Detach the 4 clips and remove the map light.
(b) Disconnect the light connector. **Figure 2**
3. REMOVE OR LOOSEN DRIVER SIDE TRIM PANELS INCLUDING: A-PILLAR TRIM, KICK PANEL AND DOOR SILL TRIM, B-PILLAR AND REAR DOOR SILL TRIM. PULL BACK CARPET IN THE REAR CARGO AREA TO EXPOSE THE METAL FLOOR. **FIGURES 3 AND 4**

FIGURE 1



FIGURE 2

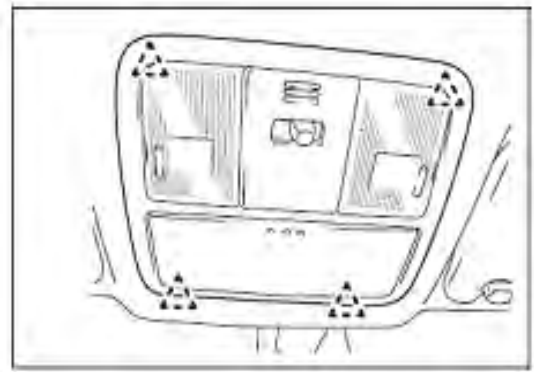


FIGURE 3



FIGURE 4



INSTALLATION

INSTALLING MONITOR/MIRROR

1. MOUNT REARSIGHT MIRROR ON EXISTING WINDSHIELD LUG AND TIGHTEN SCREW. **(FIGURE 5)** ROUTE MIRROR HARNESS UP WINDSHIELD AND BEHIND THE HEADLINER TO CONSOLE OPENING. ROUTE THE END OF THE CAMERA EXTENSION HARNESS MARKED "TO MIRROR" WITH THE MALE CONNECTORS UP THE CENTER OF THE WINDSHIELD AND BEHIND HEADLINER TO THE CONSOLE OPENING. **FIGURE 6**

2. CONNECT **MALE RCA** VIDEO CONNECTOR OF CAMERA EXTENSION HARNESS TO **VIDEO 1** INPUT (BLACK CABLE) OF THE MIRROR HARNESS. CONNECT **MALE DC** POWER CONNECTOR OF CAMERA EXTENSION HARNESS TO **POWER 1** OUTPUT (GREEN CABLE) OF REARSIGHT MIRROR HARNESS. WRAP ALL **RCA** AND **DC** CONNECTORS WITH THE FOAM TAPE PROVIDED. **FIGURE 7**

WIRE ROUTING AND CONNECTIONS

1. ROUTE **CAMERA EXTENSION HARNESS** AND **MIRROR POWER HARNESS** (RED, BLACK AND WHITE WIRES) ABOVE HEADLINER TO DRIVER-SIDE A-PILLAR. ROUTE HARNESSES DOWN THE A-PILLAR USING THE FACTORY RETAINING CLIPS WHENEVER POSSIBLE. IF THE VEHICLE HAS SIDE CURTAIN AIRBAGS, BE SURE TO SECURE THE HARNESS SO THAT IT DOES NOT INTERFERE WITH AIRBAG DEPLOYMENT. ROUTE THE HARNESSES FROM THE A-PILLAR TO THE KICKPANEL. **FIGURE 8**

2. LOCATE CONNECTOR **HE1** AT THE DRIVER SIDE KICKPANEL. USE THE SUPPLIED RED T-TAP CONNECTORS TO CONNECT THE **RED IGNITION WIRE** OF THE **MIRROR POWER HARNESS** TO THE **BLUE WIRE IN PIN 1** OF CONNECTOR **HE1**. CONNECT THE **BLACK GROUND WIRE** OF THE **MIRROR POWER HARNESS** TO GROUND POINT **E1**. LOCATE CONNECTOR **IA** ON THE DRIVER SIDE KICKPANEL. USE THE SUPPLIED RED T-TAP CONNECTOR TO CONNECT THE **WHITE REVERSE WIRE** OF THE **MIRROR POWER HARNESS** TO THE **RED WIRE IN PIN 30** OF BLACK CONNECTOR **IA** LOCATED AT JUNCTION BOX. SECURE ALL HARNESSES WITH WIRE TIES. **FIGURES 9-10**

3. ROUTE THE CAMERA EXTENSION HARNESS FROM THE KICKPANEL UNDER THE FRONT AND REAR DOOR SILL TRIM AND BESIDE THE REAR SEAT TO THE CARGO AREA. USE FACTORY WIRE CHANNELS AND RETAINING CLIPS. ROUTE THE HARNESS ALONG THE FLOOR UNDER THE LEFT REAR TRIM AND THRU LEFT D PILLAR. LOCATE ACCESS GROMMET HOLE IN THE REAR CARGO AREA. **FIGURE 11**

4. REMOVE GROMMET AND ROUTE HARNESS THROUGH ACCESS HOLE AND THROUGH SLIT IN GROMMET. PLACE GROMMET BACK IN ACCESS HOLE AS SHOWN IN **FIGURE 12**. AND SEAL WITH PUTTY.



FIGURE 5

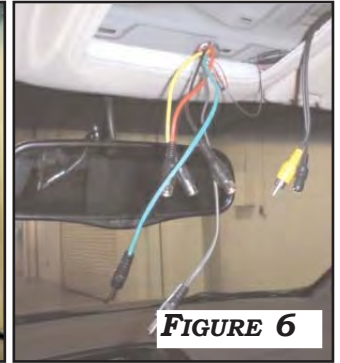


FIGURE 6

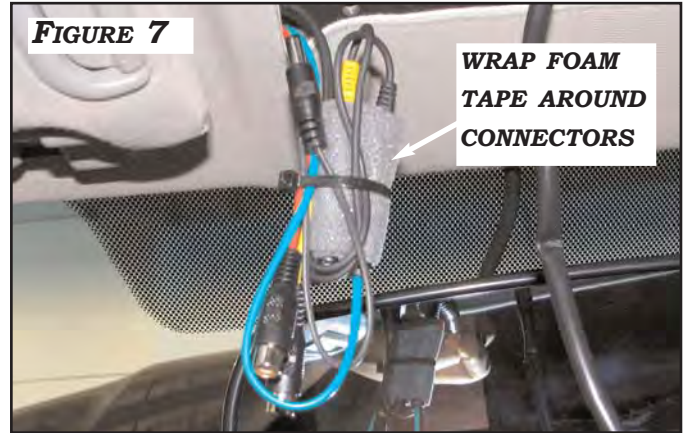


FIGURE 7

WRAP FOAM TAPE AROUND CONNECTORS

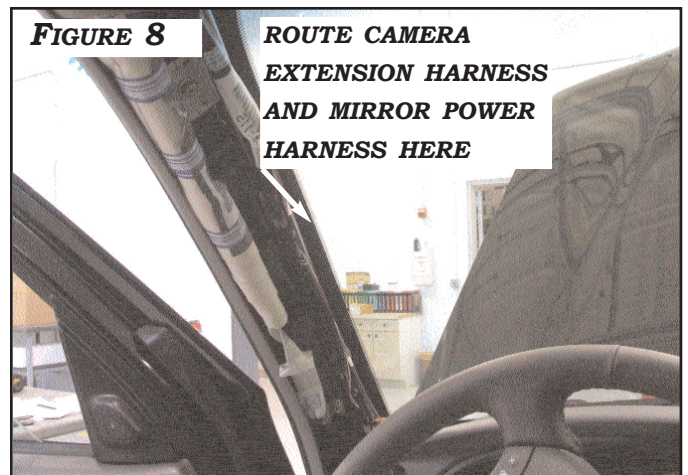


FIGURE 8

ROUTE CAMERA EXTENSION HARNESS AND MIRROR POWER HARNESS HERE

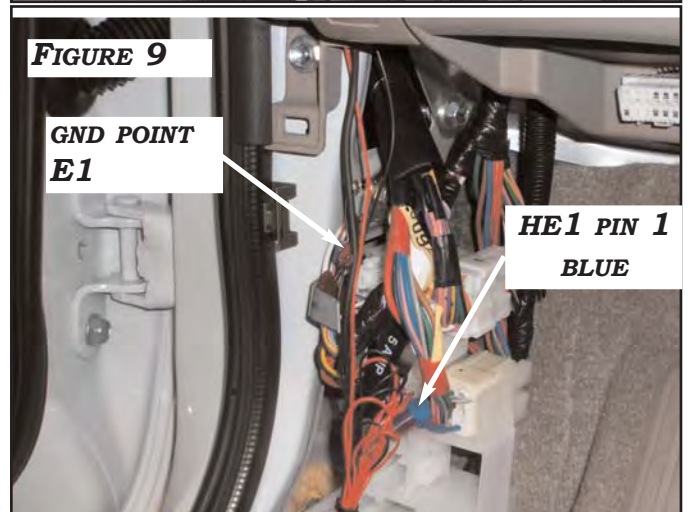


FIGURE 9

GND POINT E1

HE1 PIN 1 BLUE

Installation

Installation Temperature



Surface temperature must be between 70° F and 110° F for optimum installation.

MOUNTING CAMERA AND PCB

Use step 1 for vehicle without a spare tire.

1. CLEAN AREA BENEATH BUMPER WITH ALCOHOL & WATER. PEEL LINER OFF OF THE BACK OF THE CAMERA ASSEMBLY. USING TEMPLATE AS SHOWN IN **FIGURE 13. A & B** PRESS CAMERA FIRMLY AGAINST BUMPER FOR FIVE SECONDS BEFORE RELEASING .

Use step 1A for vehicles with spare tires.

- 1A.** CLEAN AREA BENEATH BUMPER ALCOHOL & WATER. MEASURE 2 3/4 INCHES FROM THE EDGE OF THE RAISED PORTION OF THE BUMPER & MARK WITH GREASE PENCIL AS SHOWN IN **FIG13C**. PEEL LINER OFF OF THE BACK OF THE CAMERA ASSEMBLY, ALIGN REAR OF CAMERA 1/4 INCH FROM REAR LIP & ALIGN CENTER OF CAMERA WITH THE MARK. PRESS CAMERA FIRMLY AGAINST BUMPER FOR FIVE SECONDS BEFORE RELEASING AS SHOWN IN **FIG. 13D**

MOUNT THE **PCB** TO THE INSIDE OF THE REAR BUMPER AREA USING THE SUPPLIED 1X 2 INCH DOUBLE-SIDED TAPE AS SHOWN IN **FIGURE 14**. CLEAN THE AREA WITH AN ALCOHOL PAD FIRST.

2. CONNECT **RCA** CONNECTOR AND **DC POWER** CONNECTOR OF CAMERA HARNESS TO THE EXTENSION HARNESS. WRAP **RCA** AND **DC** CONNECTORS WITH FOAM TAPE PROVIDED. PROPERLY BUNDLE AND SECURE EXCESS HARNESS INSIDE OF REAR DOOR. BE SURE HARNESS IS NOT BINDING AND IS CLEAR OF MOVING PARTS.

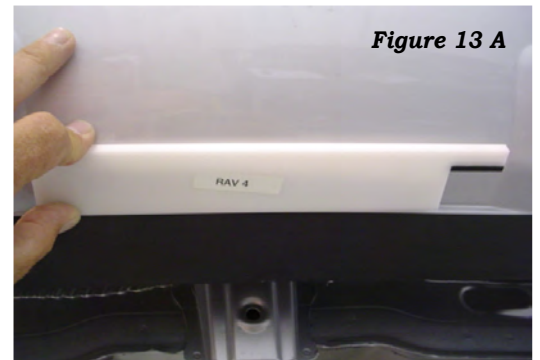
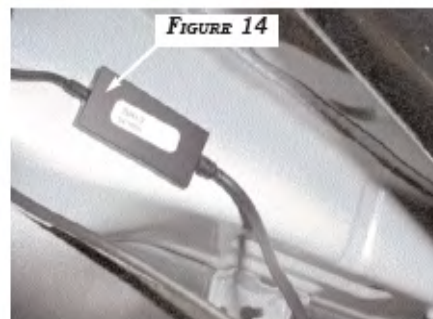
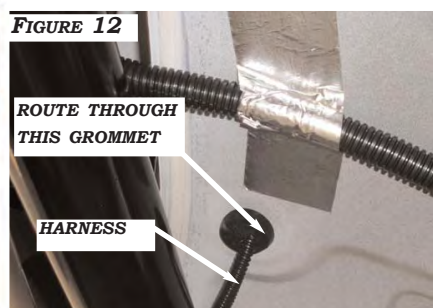
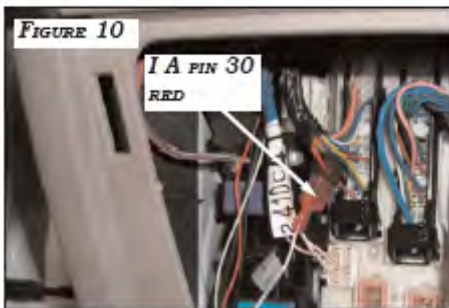


Figure 13 A

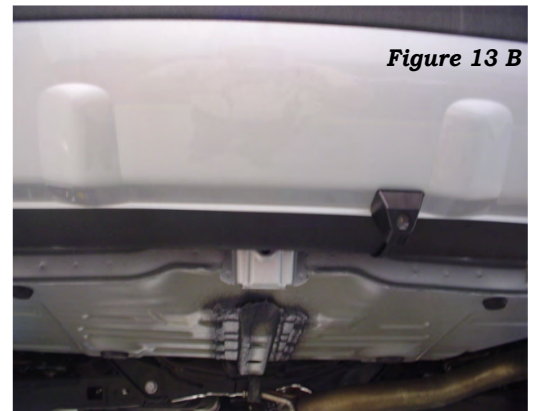


Figure 13 B

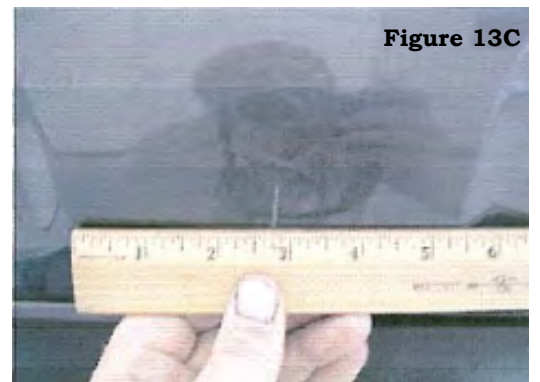


Figure 13C



Figure 13D

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 REARSIGHT MIRROR 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 HARNESES AND WIRING CONNECTIONS ARE PROPERLY SECURED.

2. BE SURE HARNESS IS NOT PINCHED OR BOUND BY TRIM PIECES.

3. PLACE THE OWNER'S CARD IN THE GLOVE BOX.

4. RECONNECT ALL DISCONNECTED BULBS AND CHECK FOR FUNCTION.

VEHICLE FUNCTION CHECK

AFTER ALL PANELS, COVERS, AND COMPONENTS HAVE BEEN REINSTALLED, THAT WERE REMOVED, TEST THOROUGHLY, ALL MECHANICAL AND ELECTRICAL COMPONENTS DISCONNECTED AND OR REMOVED FROM THE VEHICLE DURING THE INSTALLATION OF THIS ACCESSORY.

Section III - Functional Verifications



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Check: _____

Look For: _____

Accessory Function Checks

- Turn the ignition switch to ON and put vehicle in reverse.
- With ignition switch ON & vehicle out of gear press "REV"
- With ignition switch ON & vehicle out of gear press "REV" again.

Verify camera picture comes on. (Image will disappear when vehicle is taken out of gear)

Verify camera picture comes on.

Verify camera picture turns off.

NOTE: PUTTING THE VEHICLE INTO REVERSE WILL INTERRUPT ANY CURRENT IMAGE ON THE SCREEN AND DISPLAY THE IMAGE FROM THE BACK-UP CAMERA UNTIL THE VEHICLE IS TAKEN OUT OF REVERSE. PRESSING AND RELEASING ANY INPUT BUTTON IN UNDER 1 SECOND WILL TURN THAT INPUT ON FOR 20 SECONDS. PRESSING AND HOLDING ANY INPUT BUTTON FOR LONGER THAN 1 SECOND AND THEN RELEASING IT WILL TURN THAT INPUT ON INDEFINITELY. THE INPUT CAN THEN BE TURNED OFF BY PRESSING THE BUTTON AGAIN, BY SWITCHING TO ANOTHER INPUT, OR BY TURNING OFF THE VEHICLE.

Vehicle Function Checks

- Overhead Map Light Operation
- Trunk Release
- Back Up Lights
- Radio Operation (Check by placing vehicle reverse gear)

Map lamps should turn on/off.

Verify trunk release handle operates

Verify back up lights comes on when placed in reverse.

Radio should operate normally.

Note: This template is for units without spare tires

CUT-OUT TEMPLATE

