

PARTS IDENTIFICATION

ITEM	QUANTITY	PART NUMBER	DESCRIPTION
1	1	00016-00085-01	2.4" REARSIGHT MIRROR
2	1	00016-00085-02	MIRROR ADAPTER HARNESS
3	1	00016-00040-04	CAMERA EXTENSION HARNESS
4	1	00016-00040-02	REAR CAMERA ASSEMBLY
5	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. USING A **T20 "TORX"** SOCKET WRENCH, REMOVE THE SCREW AND THE INNER REAR VIEW MIRROR. **FIGURE 1**
2. DISENGAGE THE 12 CLAWS AND REMOVE THE DRIVER SIDE DOOR SCUFF PLATE. **FIGURE 2**
3. DISENGAGE THE CLAW AND 2 CLIPS AND REMOVE THE DRIVER'S SIDE KICK PANEL. **FIGURE 3**
4. REMOVE THE (2) **10MM** BOLTS. DISENGAGE THE 10 CLIPS, 3 GUIDES, DISCONNECT CONNECTORS TO REMOVE INSTRUMENT PANEL LOWER FINISH PANEL. **FIGURE 4**
5. DISENGAGE THE 6 CLAWS AND SEPARATE THE FUEL LID LOCK OPEN LEVER AND HOOD LOCK CONTROL LEVER. **FIGURE 5**

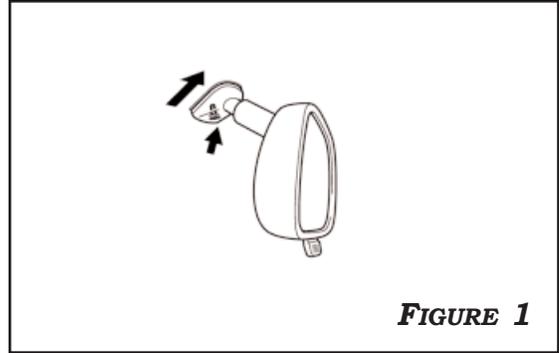


FIGURE 1

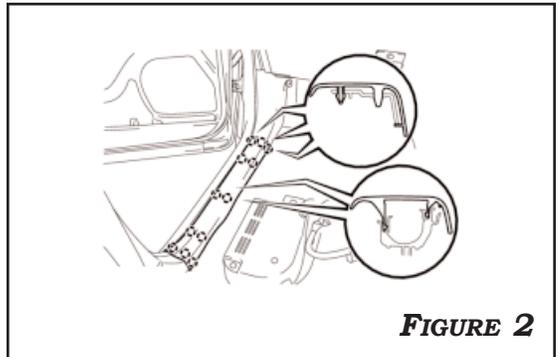


FIGURE 2

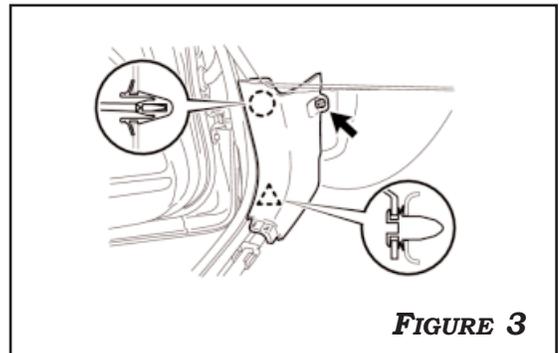


FIGURE 3

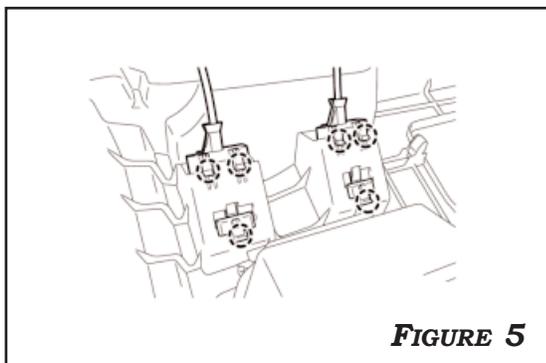


FIGURE 5

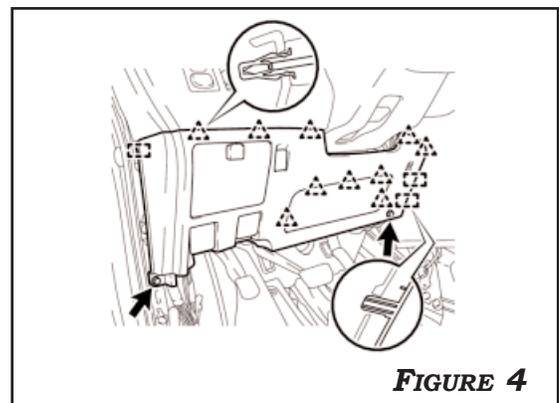


FIGURE 4

VEHICLE PREPARATION

VEHICLE PREPARATION CONTINUED...



6. USE NEEDLE NOSE PLIERS TO TURN AND RELEASE CLIP A. DISENGAGE 5 CLIPS TO REMOVE THE LEFT FRONT PILLAR. **FIGURE 6**

FIGURE 6

7. USE TRIM TOOL TO DISENGAGE THE 5 CLIPS AND REMOVE THE LEFT REAR DOOR SCUFF PLATE. **FIGURE 7**

8. REMOVE (3) 10MM BOLTS. DISENGAGE 8 CLIPS TO REMOVE THE BACK DOOR SCUFF PLATE. **FIGURE 8**

9. REMOVE ONLY CLIPS THAT ARE NECESSARY TO RELEASE LEFT SIDE COMPARTMENT PANELS FOR HARNESS ROUTING. **FIGURE 9**

FIGURE 9

10. DISENGAGE 19 CLIPS TO REMOVE BACK DOOR TRIM PANEL. **FIGURE 10**

11. REMOVE (4) 10MM NUTS, DISCONNECT CONNECTORS, AND DISENGAGE THE CLIPS TO REMOVE THE BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY. **FIGURE 11**

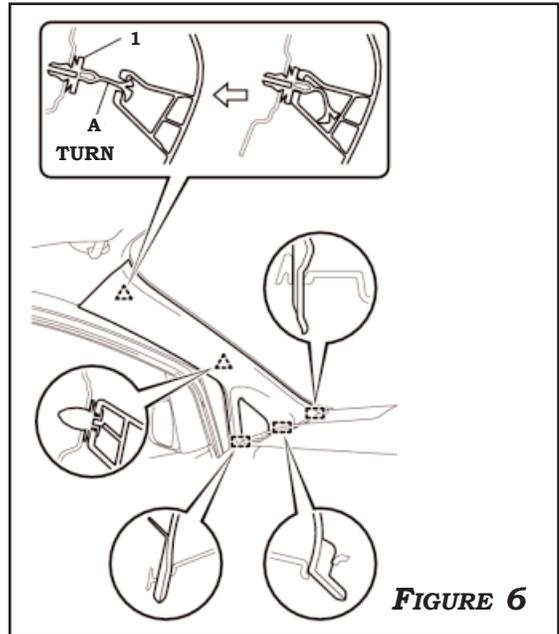


FIGURE 6

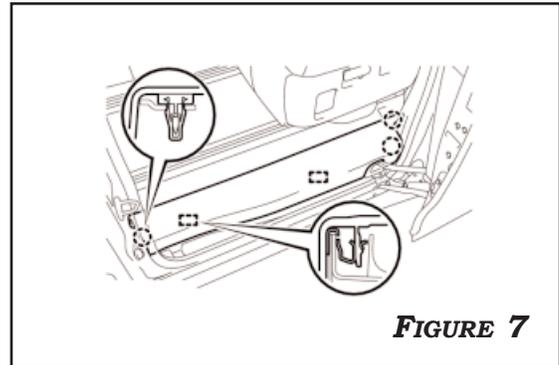


FIGURE 7

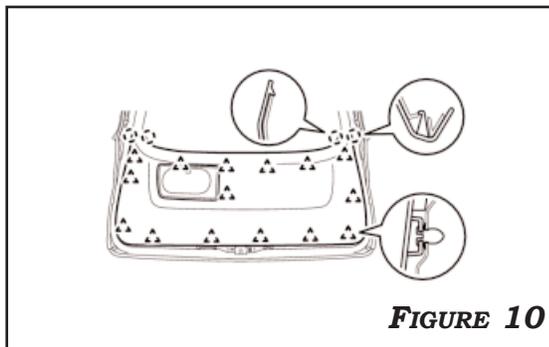


FIGURE 10

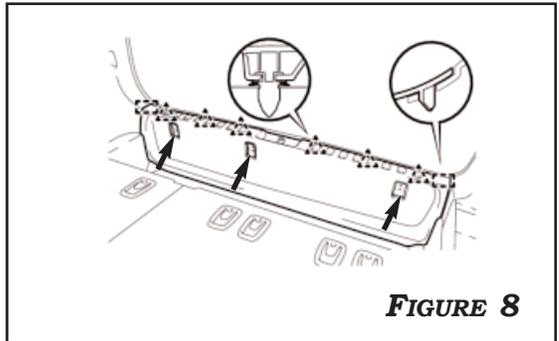


FIGURE 8

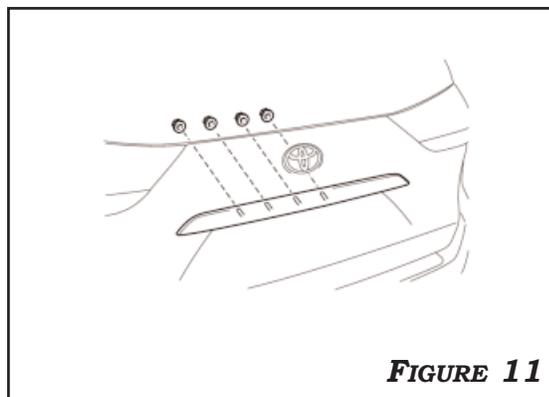


FIGURE 11

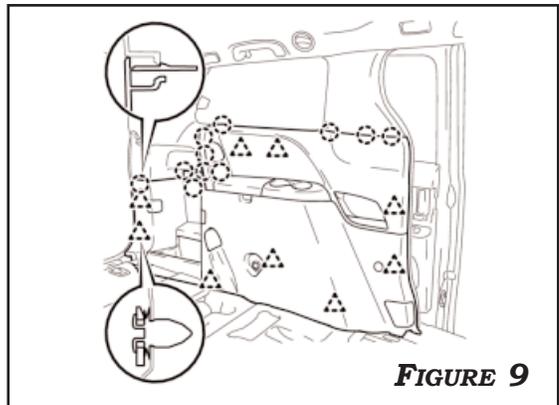


FIGURE 9

INSTALLATION

INSTALLING MONITOR/MIRROR

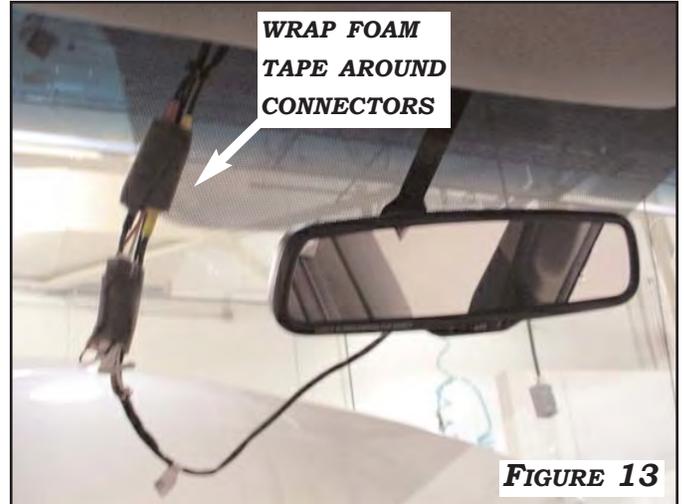
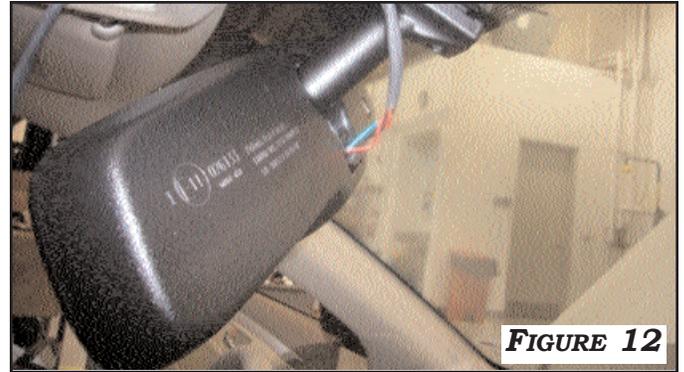


1. MOUNT REARSIGHT MIRROR ON EXISTING WINDSHIELD LUG AND TIGHTEN SCREW. **FIGURE 12**

2. ROUTE MIRROR HARNESS UP WINDSHIELD. ROUTE THE END OF THE CAMERA EXTENSION HARNESS MARKED "TO MIRROR" WITH THE MALE CONNECTORS UP THE CENTER OF THE WINDSHIELD. **FIGURE 13**

3. CONNECT **MALE RCA** VIDEO CONNECTOR OF CAMERA EXTENSION HARNESS TO **VIDEO** INPUT (YELLOW CONNECTOR) OF MIRROR HARNESS. CONNECT **MALE DC** POWER CONNECTOR OF CAMERA EXTENSION HARNESS TO CAMERA **POWER** OUTPUT (BLACK CONNECTOR) OF REARSIGHT MIRROR HARNESS. CONNECT RED, WHITE, AND BLACK WIRES OF POWER EXTENSION HARNESS AS SHOWN IN **FIGURE 13**. WRAP ALL **RCA** AND **DC** CONNECTORS WITH THE FOAM TAPE PROVIDED.

4. INSTALL WIRE COVER SUPPLIED IN KIT. **FIGURE 14**



ROUTING HARNESSES AND POWER 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 OR FOAM TAPE 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 KICK PANEL. **FIGURE 15**



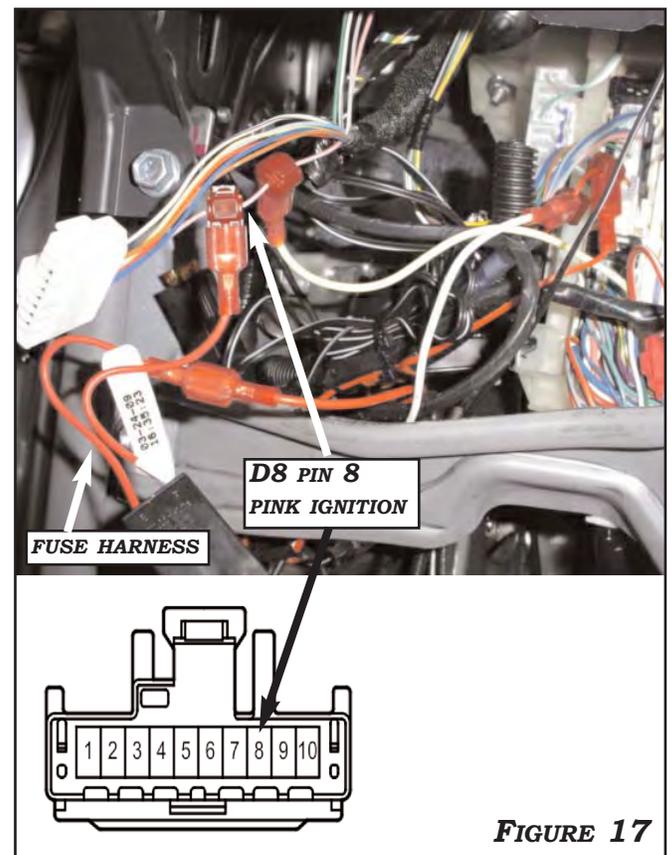
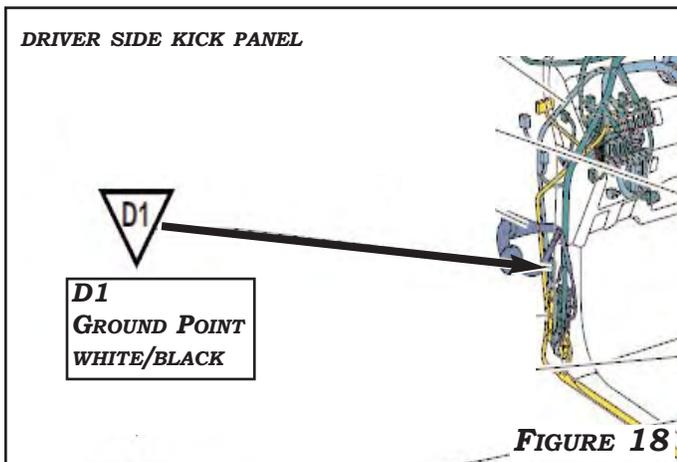
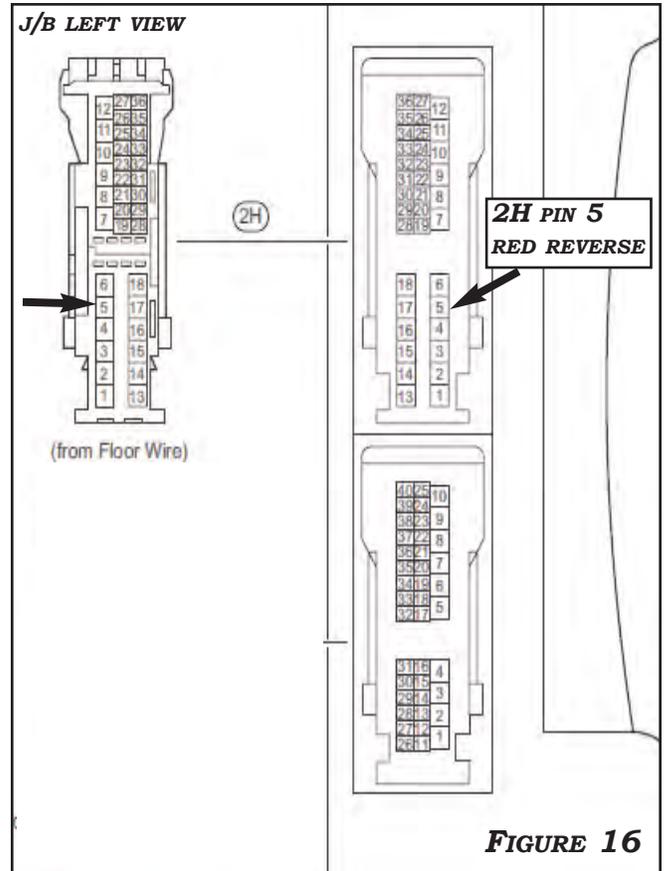
INSTALLATION

ROUTING HARNESSES

AND POWER CONNECTIONS CONTINUED...

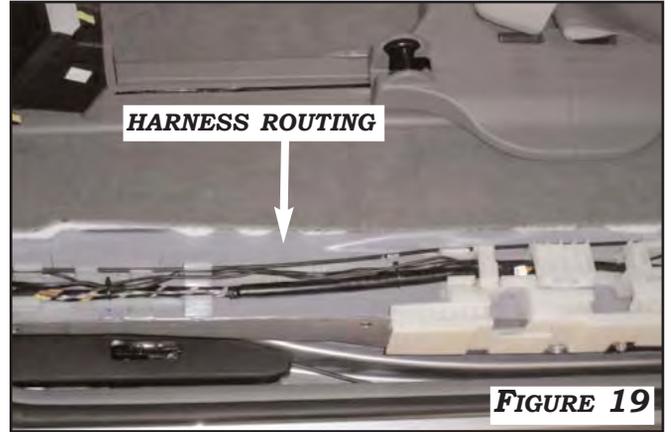


2. LOCATE WHITE CONNECTOR **2H** AT THE LEFT SIDE JUNCTION OF THE BOX. USE THE SUPPLIED RED T-TAP CONNECTOR TO CONNECT THE **WHITE REVERSE WIRE** OF THE **MIRROR POWER HARNESS** TO THE **RED WIRE** IN **PIN 5** OF WHITE CONNECTOR **2H** (BACK UP LIGHT CIRCUIT). LOCATE WHITE CONNECTOR **D8** AT THE RIGHT SIDE OF THE JUNCTION BOX. USE THE SUPPLIED RED T-TAP CONNECTOR TO CONNECT THE **RED IGNITION WIRE** OF THE **MIRROR POWER HARNESS** TO THE **PINK WIRE** IN **PIN 8** OF CONNECTOR **D8** (POWER OUTSIDE MIRROR CIRCUIT). USE THE SUPPLIED FUSE HARNESS BETWEEN THE **RED IGNITION WIRE** OF THE **MIRROR POWER HARNESS** AND **PINK WIRE** OF **VEHICLE**. USE A BLUE T-TAP TO CONNECT THE **BLACK GROUND WIRE** OF THE **MIRROR POWER HARNESS** TO THE **WHITE/BLACK WIRE** IN **GROUND POINT D1**. SECURE ALL HARNESSES WITH WIRE TIES. **FIGURES 16-18**



INSTALLATION

3. ROUTE THE CAMERA EXTENSION HARNESS FROM THE KICK PANEL UNDER THE DOOR SILL TRIM AND BESIDE THE REAR SEAT TO THE CARGO AREA. USE THE FACTORY WIRE CHANNELS AND RETAINING CLIPS. ROUTE THE HARNESS ALONG THE FLOOR UNDER THE LEFT REAR TRIM PANELS AND UP THE LEFT D-PILLAR ABOVE THE HEADLINER TO THE REAR DOOR HOSE GROMMET. PULL THE HARNESS THROUGH THE HOSE, USING SOAPY WATER AS A LUBRICANT. *OPTIONAL: WATER ALCOHOL/SOLUTION CAN BE USED. ROUTE THE HARNESS FROM THE HOSE INSIDE THE REAR DOOR TO THE AREA WHERE THE OUTSIDE GARNISH SUB-ASSEMBLY WAS REMOVED. FOLLOW THE FACTORY HARNESSSES WHERE POSSIBLE. SECURE THE HARNESS WITH WIRE TIES OR FOAM TAPE. **FIGURE 19-21**



MOUNTING CAMERA



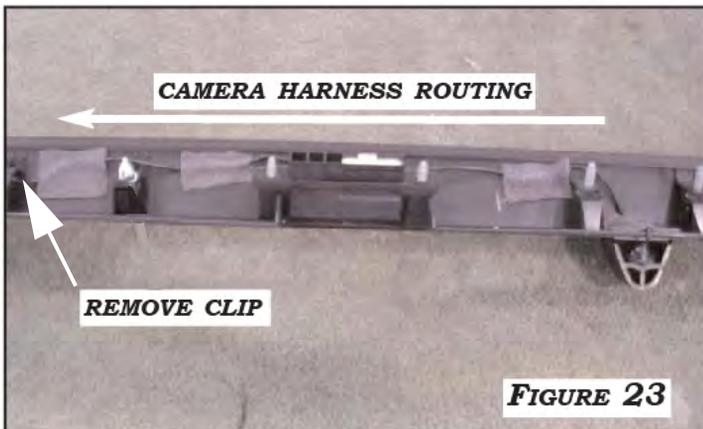
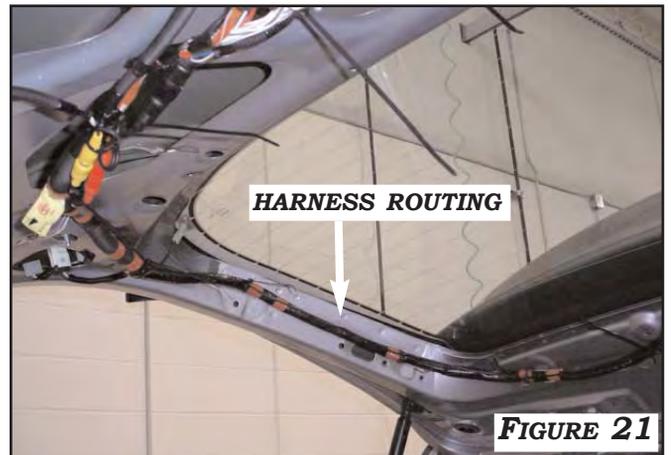
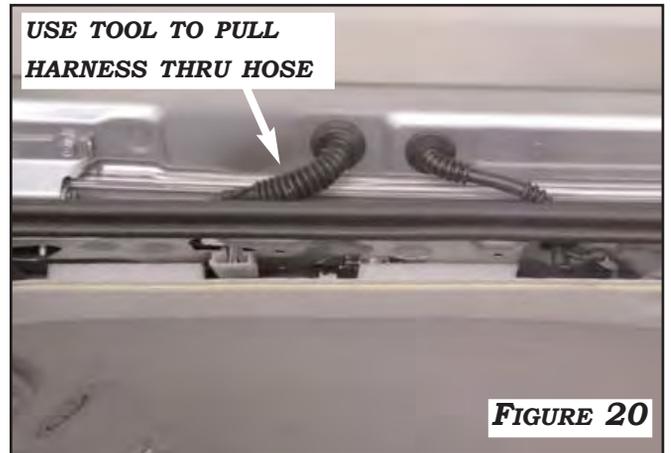
NOTE: INSTALLATION TEMPERATURE

SURFACE TEMPERATURE MUST BE BETWEEN 70 DEGREES F AND 110 DEGREES F FOR OPTIMUM INSTALLATION.

1. CLEAN THE LEFT SIDE OF THE BOTTOM OF THE LICENSE PLATE TRIM PIECE WITH ALCOHOL. PEEL THE CLEAR LINER OFF OF THE DOUBLE-SIDED TAPE ON THE CAMERA ASSEMBLY AND MOUNT THE CAMERA ASSEMBLY TO THE TRIM PIECE. CENTER CAMERA SHROUD ON TRIM PIECE AS SHOWN FOR ALIGNMENT. BE SURE THE CAMERA ASSEMBLY IS PRESSED DOWN FIRMLY ON THE TRIM PIECE FOR FIVE SECONDS BEFORE RELEASING. **FIGURE 22.**

2. ROUTE THE CAMERA HARNESS INSIDE THE TRIM PIECE AS SHOWN. USE FOAM TAPE IN THE AREAS SHOWN TO SECURE CAMERA HARNESS. **FIGURE 23**

3. REMOVE MOUNTING CLIP FROM THE BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY AS SHOWN IN **FIGURE 23.**



INSTALLATION

MOUNTING CAMERA



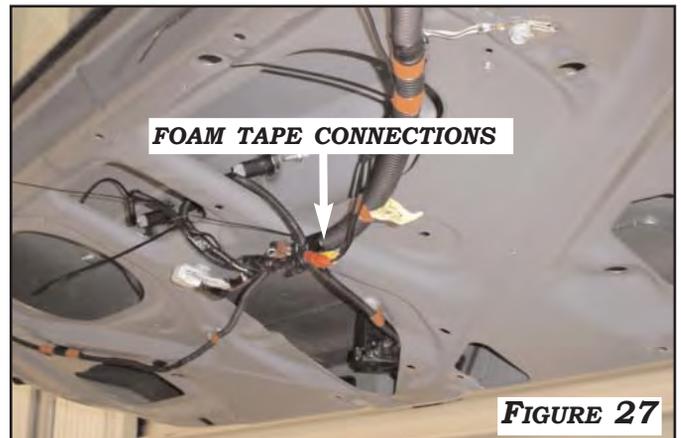
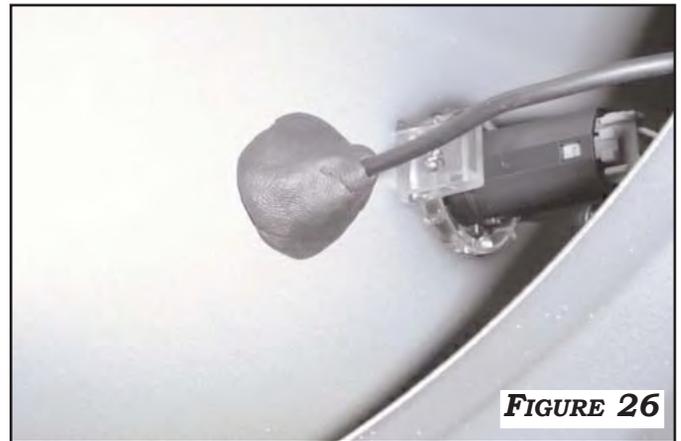
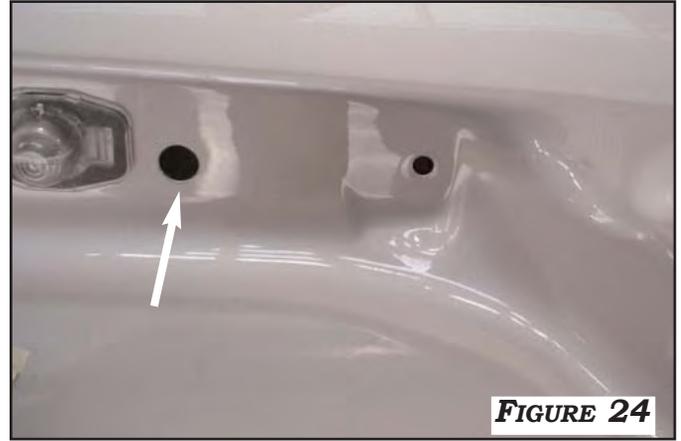
4. LOCATE THE EXISTING MOUNTING HOLE OF THE BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY BESIDE THE RIGHT SIDE LICENSE PLATE LIGHTING FIXTURE. **FIGURE 24**

5. APPLY MASKING TAPE TO THE AREA TO PROTECT THE BACK DOOR BEFORE DRILLING. USE A STEP DRILL BIT TO ENLARGE THE HOLE TO 5/8". DEBURR THE HOLE AND COAT THE INSIDE OF THE HOLE WITH ZINC GALVANIZER OR SOME OTHER RUST INHIBITOR. LET DRY. **FIGURE 25**

6. USE THE SUPPLIED WEATHER SEALANT WHERE THE CAMERA HARNESS ENTERS THE VEHICLE AND REINSTALL THE TRIM PIECE ONTO THE VEHICLE. **FIGURE 26**

7. 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 27**

8. REINSTALL REAR GARNISH AND TORQUE TO 42 IN LBS.



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 CONNECTORS 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.



CHECK: _____

LOOK FOR: _____

ACCESSORY FUNCTION CHECKS

**TURN THE IGNITION SWITCH ON
AND PUT VEHICLE IN REVERSE**

**VERIFY CAMERA PICTURE COMES ON. (IMAGE WILL
DISAPPEAR WHEN VEHICLE IS TAKEN OUT OF GEAR)**

**TURN THE IGNITION SWITCH ON
AND PRESS "AUTO" BUTTON**

VERIFY LED LIGHT IS ON IN IGNITION

VEHICLE FUNCTION CHECKS

OVERHEAD MAP LIGHT OPERATION

MAP LAMPS SHOULD TURN ON/OFF

TRUNK RELEASE

VERIFY TRUNK RELEASE HANDLE OPERATES

BACK UP LIGHTS

**VERIFY BACK UP LIGHTS COMES ON WHEN
PLACED IN REVERSE**

**RADIO OPERATION (CHECK BY PLACING VEHICLE
IN REVERSE GEAR)**

RADIO SHOULD OPERATE NORMALLY