

REVISION C

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.

INSTALLATION

VEHICLE PREPARATION



**DIS-CONNECT THE NEGATIVE BATTERY CABLE BEFORE
BEGINNING INSTALLATION.**

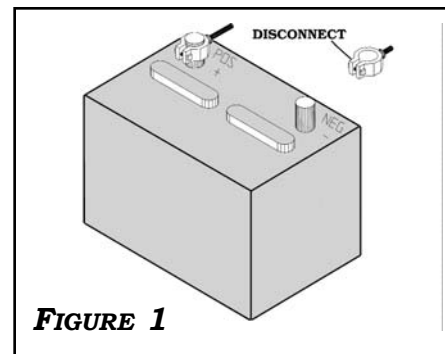


FIGURE 1



1. LOOSEN **TORX-20 WINDSHIELD LUG MOUNT SCREW AND
REMOVE EXISTING REARVIEW MIRROR. **FIGURE 2****

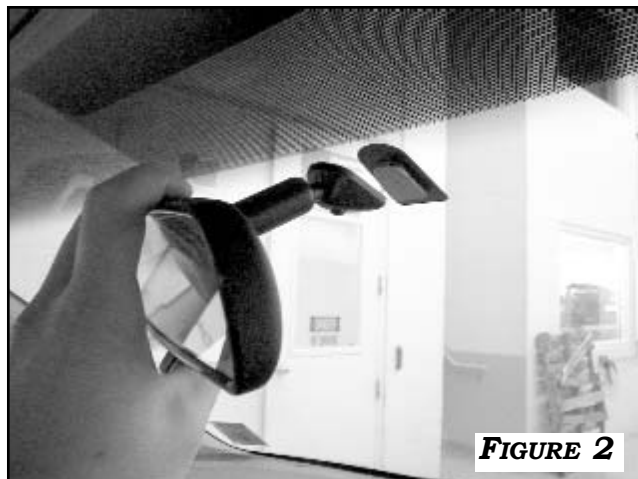


FIGURE 2



2. REMOVE OVERHEAD CONSOLE BY REMOVING (2) **TORX-20
SCREWS (**FIGURE 3**), RELEASING (2) CLIPS AND
DISCONNECTING (3) HARNESS CONNECTORS (**FIGURE 4**).**

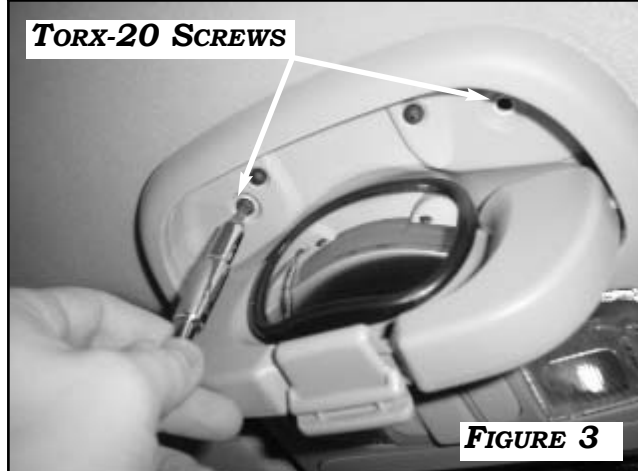


FIGURE 3

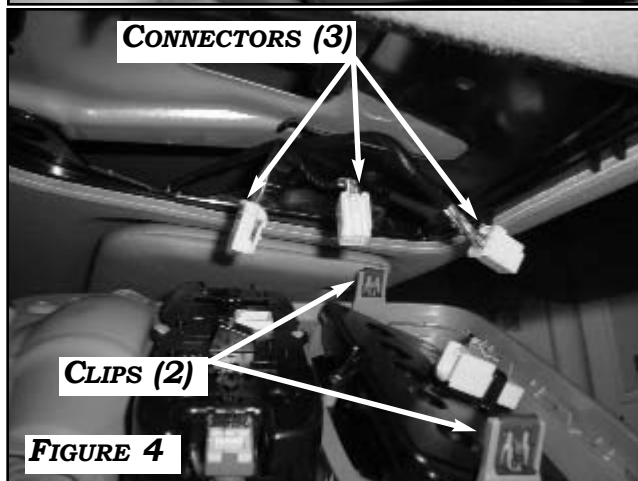



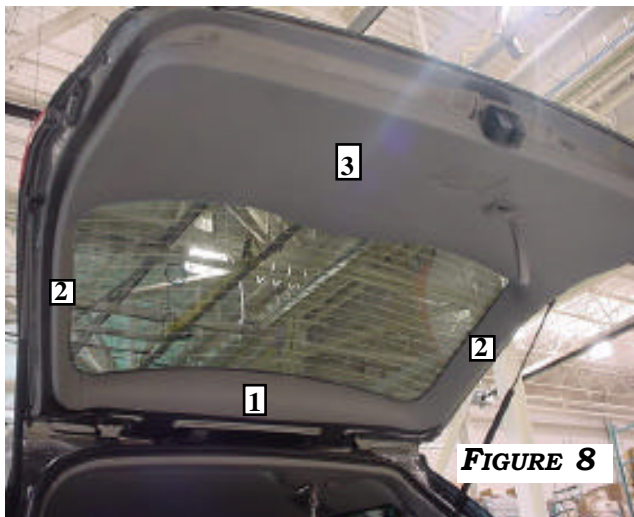
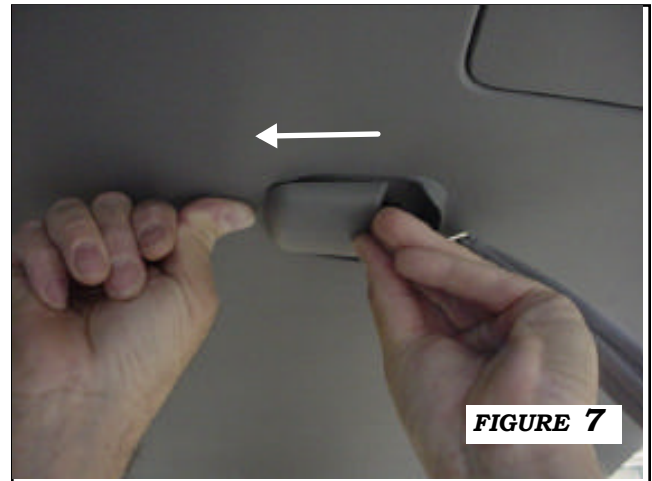
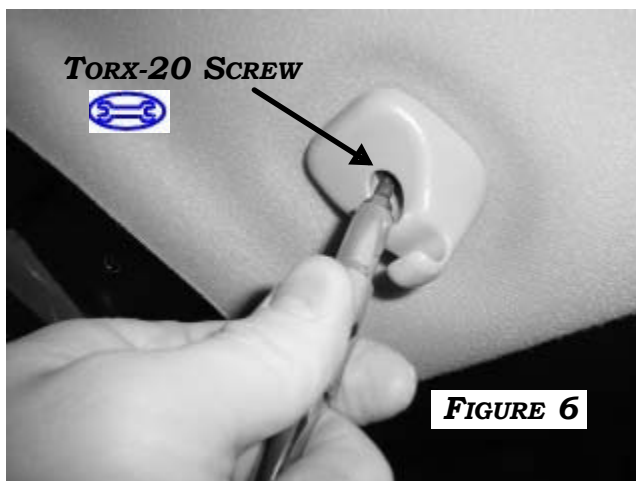
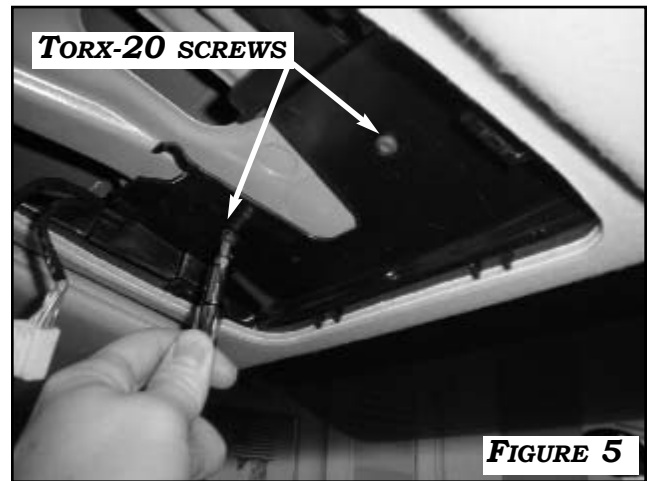


FIGURE 4

INSTALLATION

VEHICLE PREPARATION (CONTINUED)

-  **3.** RELEASE HEADLINER ABOVE WINDSHIELD BY REMOVING **(2) TORX-20 SCREWS (FIGURE 5)** BEHIND OVERHEAD CONSOLE. REMOVE **(1) TORX-20 SCREW** RETAINING PASSENGER VISOR CLIP **(FIGURE 6)**.
- 4.** REMOVE OR LOOSEN PASSENGER SIDE TRIM PANELS INCLUDING: A-PILLAR TRIM, KICK PANEL AND DOOR SILL TRIM; SLIDING DOOR SILL TRIM;
- 5.** REMOVE TAIL GATE HAND STRAP COVER BY PRESSING IN PANEL ABOVE STRAP AND PUSH COVER UP AND OFF, THEN REMOVE 10MM BOLT SECURING HAND STRAP. **FIGURE 7**
-  **6.** REMOVE INTERIOR TRIM PANELS AT TAILGATE AS NUMBERED. **FIGURE 8**
-  **7.** REMOVE PANEL #3 FROM TOP EDGE FIRST, LIFT FORWARD TO RELEASE HOOKS. **FIGURES 8 & 9**



INSTALLATION

VEHICLE PREPARATION (CONTINUED)

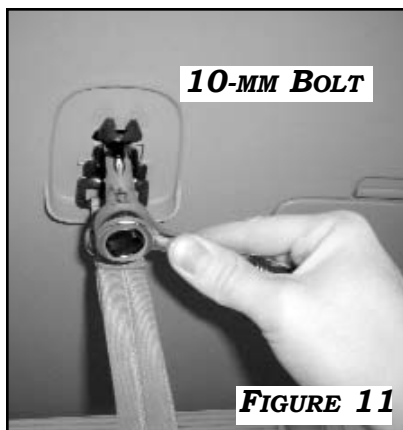
5. FOR MODELS WITH POWER REAR DOOR: REMOVE REAR DOOR TRIM PANELS BY DISCONNECTING THE AUTOMATIC DOOR SUPPORT ARM FROM DOOR CONNECTION (**FIGURE 10**) AND REMOVING (1) **10-MM BOLT** SECURING HANDSTRAP (**FIGURE 11**).
CAUTION: *Slide cover up to remove.*



6. REMOVE (5) **10-MM NUTS** SECURING LICENSE PLATE TRIM TO TAILGATE. DISCONNECT **2-PIN CONNECTOR** AND RELEASE **GROMMET** FROM TAILGATE. RELEASE **RETAINER CLIP** AND REMOVE LICENSE PLATE TRIM. **FIGURE 12.**

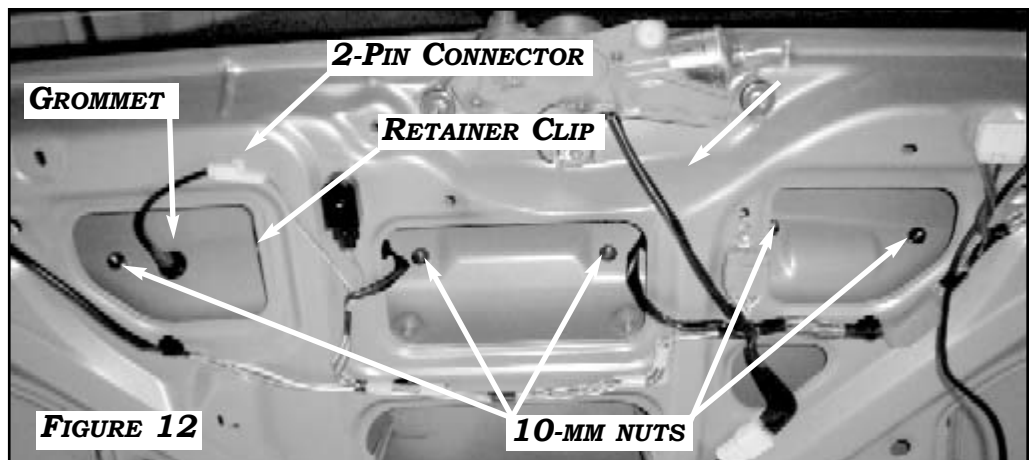


FIGURE 10



10-MM BOLT

FIGURE 11



GROMMET

2-PIN CONNECTOR

RETAINER CLIP

FIGURE 12

10-MM NUTS

7. REMOVE THE GLOVE BOX AND PASSENGER SIDE KICK PANEL AS SHOWN IN **FIGURE 13.**

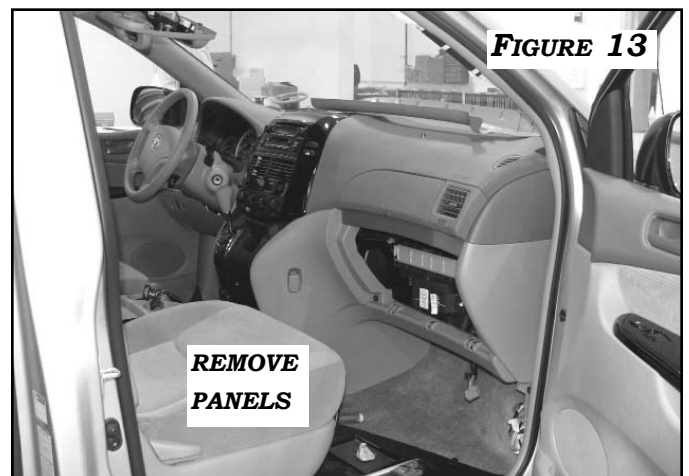


FIGURE 13

**REMOVE
PANELS**

INSTALLATION

INSTALLING MONITOR/MIRROR

1. MOUNT REARSIGHT MIRROR ON EXISTING WINDSHIELD LUG AND TIGHTEN SCREW. **FIGURE 14.**



FIGURE 14

2. 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 15.**

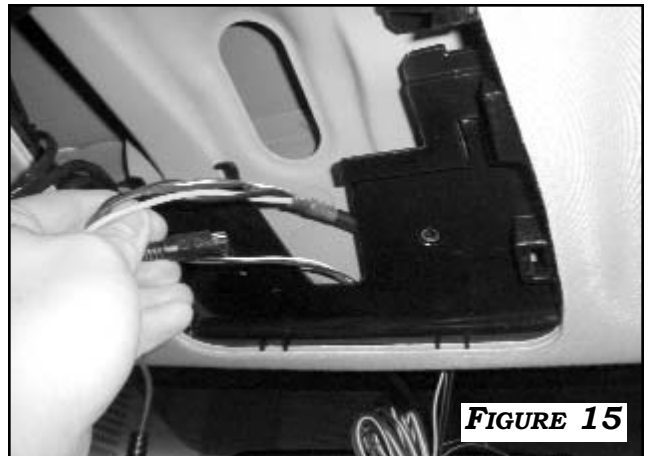
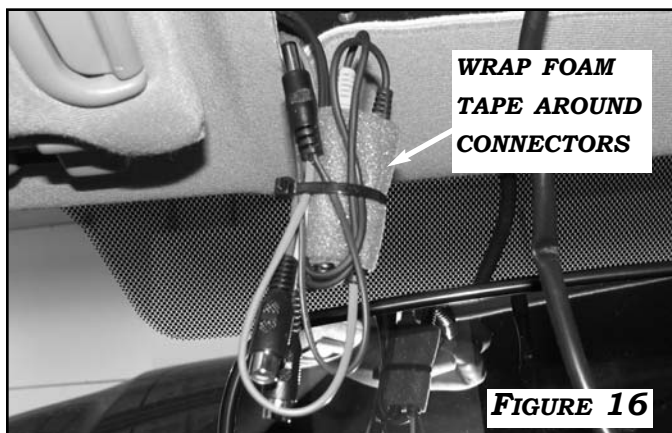


FIGURE 15

3. CONNECT **MALE RCA** VIDEO CONNECTOR OF CAMERA EXTENSION HARNESS TO **VIDEO 1** INPUT (BLACK CABLE) OF MIRROR HARNESS. CONNECT **MALE DC** POWER CONNECTOR OF CAMERA EXTENSION HARNESS TO CAMERA **POWER 1** OUTPUT (GREEN CABLE) OF REARSIGHT MIRROR HARNESS. WRAP ALL **RCA** AND **DC** CONNECTORS WITH THE FOAM TAPE PROVIDED. **FIGURE 16**

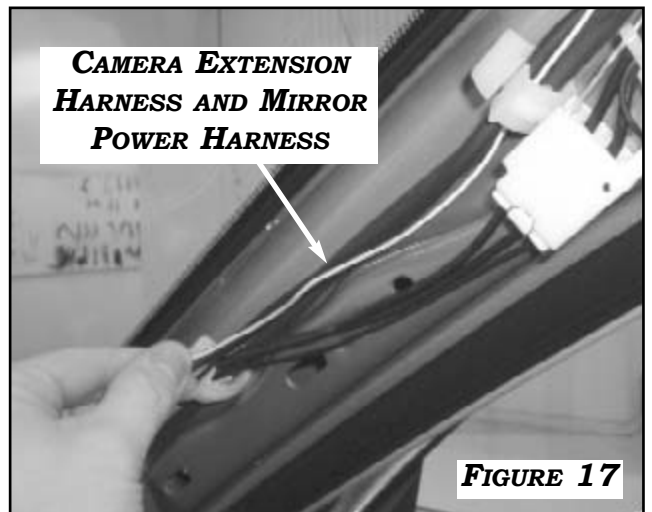
ROUTING HARNESS

1. ROUTE **CAMERA EXTENSION HARNESS** AND **MIRROR POWER HARNESS** (RED, BLACK AND WHITE WIRES) ABOVE HEADLINER TO PASSENGER-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 17**



**WRAP FOAM
TAPE AROUND
CONNECTORS**

FIGURE 16



**CAMERA EXTENSION
HARNESS AND MIRROR
POWER HARNESS**

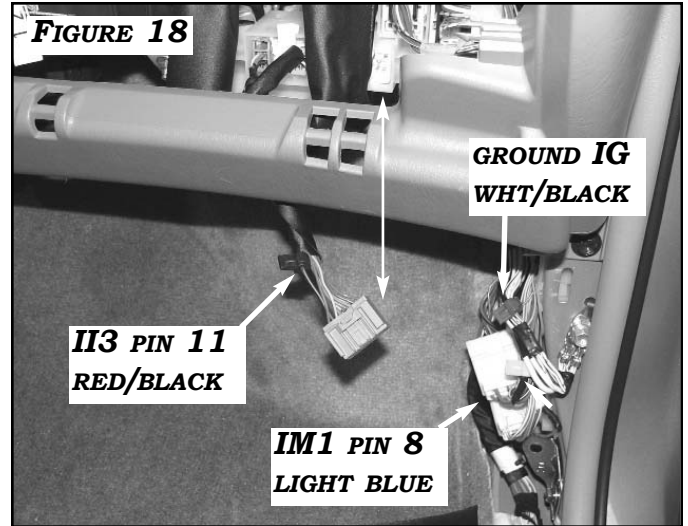
FIGURE 17

INSTALLATION

ROUTING HARNESS (CONTINUED)

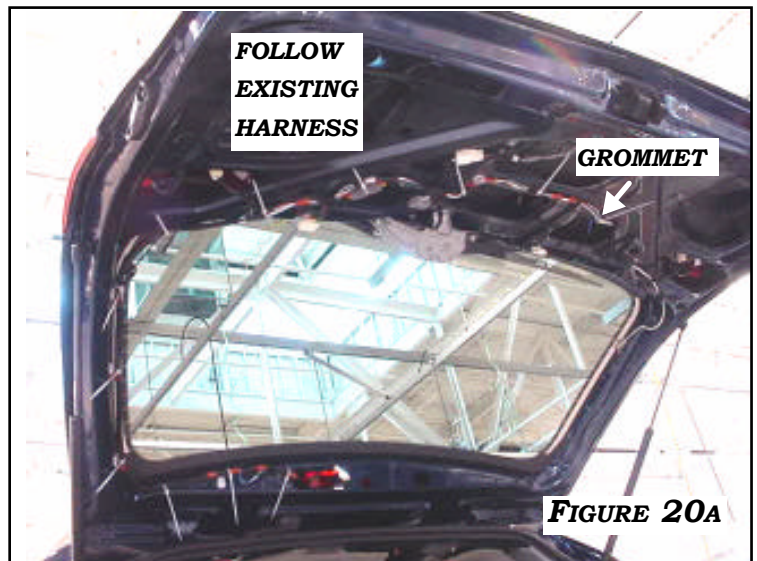
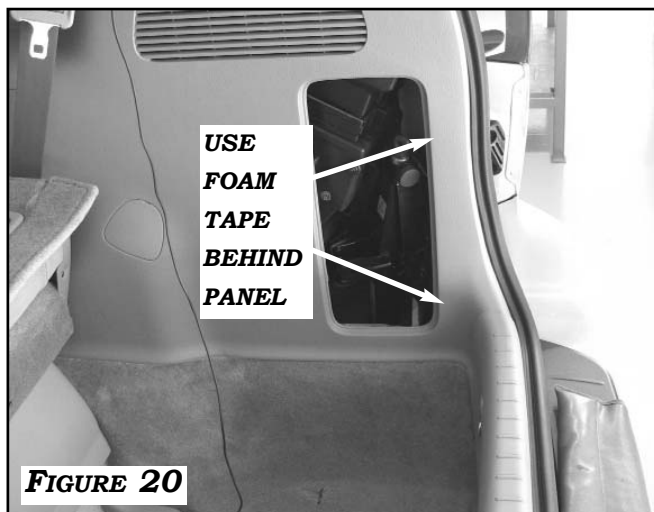
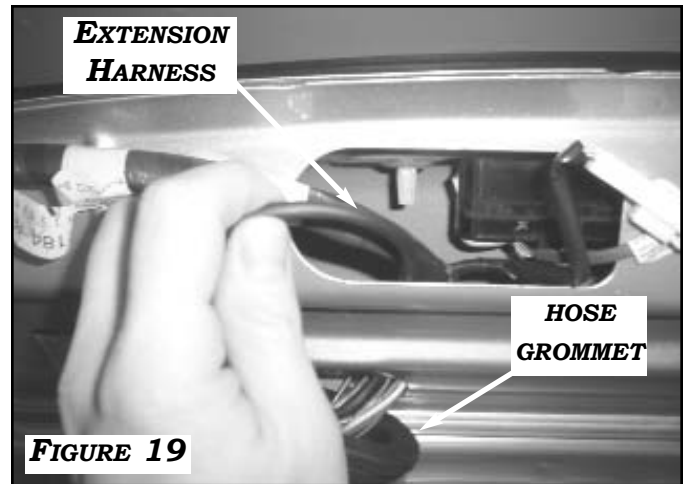


3. LOCATE WHITE CONNECTOR **IM1** AT THE PASSENGER SIDE KICKPANEL. USE THE SUPPLIED BLUE AND RED T-TAP CONNECTORS TO CONNECT THE **RED IGNITION WIRE** OF THE **MIRROR POWER HARNESS** TO THE **LIGHT BLUE WIRE** IN **PIN 8** OF CONNECTOR **IM1**. CONNECT THE **BLACK GROUND WIRE** OF THE **MIRROR POWER HARNESS** TO THE **WHITE/BLACK WIRE** AT GROUND POINT **IG**. LOCATE GRAY CONNECTOR **II3** BEHIND THE GLOVE BOX AREA NEAR THE KICKPANEL. USE THE SUPPLIED RED T-TAP CONNECTOR TO CONNECT THE **WHITE REVERSE WIRE** OF THE **MIRROR POWER HARNESS** TO THE **RED/BLACK WIRE** IN **PIN 11** OF CONNECTOR **II3**. SECURE ALL HARNESSES WITH WIRE TIES. **FIGURE 18**



4. ROUTE THE CAMERA EXTENSION HARNESS FROM THE PASSENGER KICKPANEL UNDER THE FRONT DOOR SILL, B-PILLAR, AND SLIDING REAR DOOR SILL TRIM TO THE CARGO AREA. USE THE FACTORY WIRE CHANNELS AND RETAINING CLIPS. ROUTE THE HARNESS ALONG THE FLOOR UNDER THE RIGHT REAR TRIM PANELS AND UP THE RIGHT D-PILLAR ABOVE THE HEADLINER TO THE REAR DOOR HOSE GROMMET. PULL THE HARNESS THROUGH THE HOSE, USING * SOAPY WATER AS A LUBRICANT. ROUTE THE HARNESS INSIDE THE REAR DOOR TO THE AREA WHERE THE LICENSE PLATE TRIM PIECE WAS REMOVED. **(FIGURES 19-20A)** FOLLOW THE FACTORY HARNESSES WHERE POSSIBLE. SECURE THE HARNESS WITH WIRE TIES AT THE FACTORY TIE-DOWN LOCATIONS. USE FOAM TAPE WHERE WIRE TIES CAN NOT BE USED. BE SURE EXTENSION HARNESS IS FREE FROM MOVING PARTS, BINDING, PINCHING OR CRIMPING.

*OPTIONAL: WATER ALCOHOL/SOLUTION CAN BE USED USED



INSTALLATION

MOUNTING CAMERA AND PCB



Installation Temperature

Surface temperature must be between 70⁰ F and 110⁰ F for optimum installation.



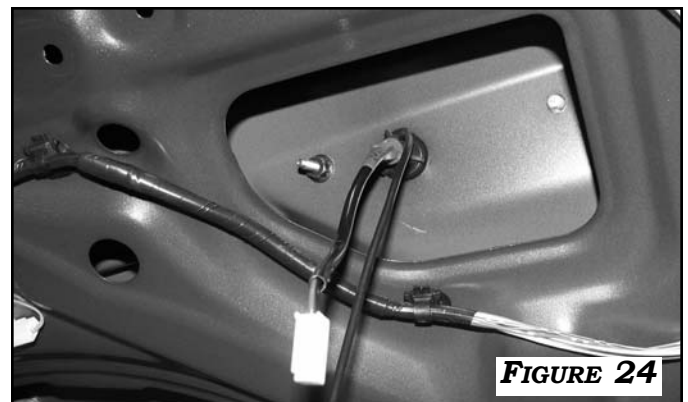
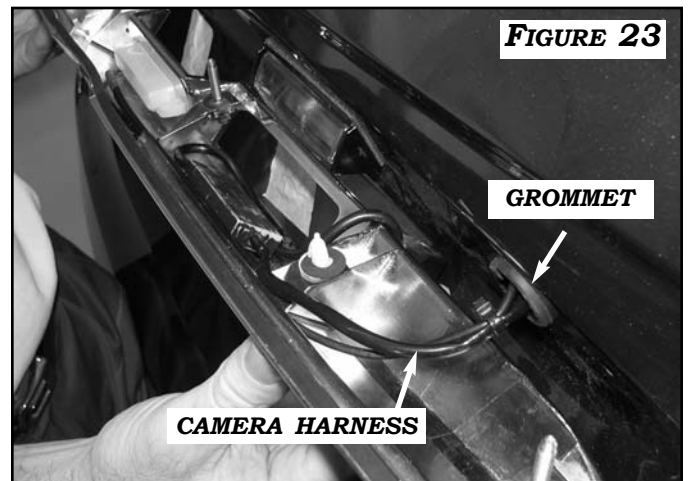
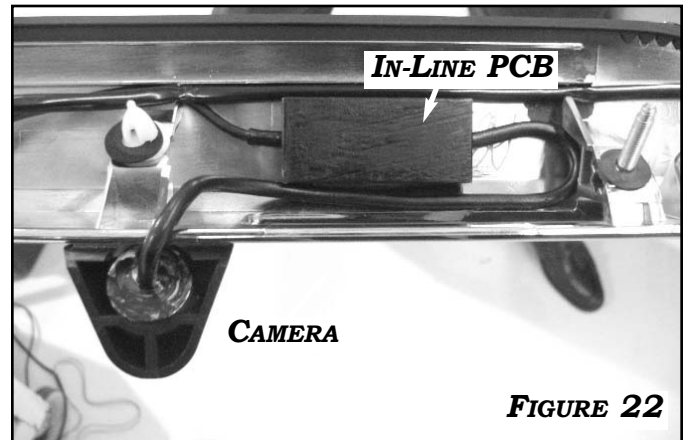
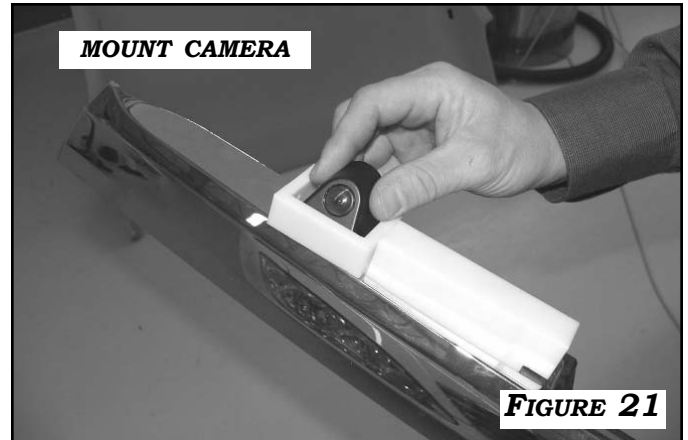
1. CLEAN THE RIGHT SIDE OF THE BOTTOM OF THE LICENSE PLATE TRIM PIECE WITH ALCOHOL. MATE THE TRIM PIECE TOGETHER WITH THE REARSIGHT SIENNA REAR CAMERA MOUNTING FIXTURE USING THE MOUNTING BOLTS AS A GUIDE AS SHOWN IN **FIGURES 21**. PEEL THE CLEAR LINER OFF OF THE DOUBLE-SIDED TAPE ON THE CAMERA ASSEMBLY AND MOUNT THE ASSEMBLY TO THE TRIM PIECE USING THE FIXTURE FOR ALIGNMENT. BE SURE TO PUSH THE CAMERA ASSEMBLY FIRMLY INTO THE GAP IN THE FIXTURE, AND PRESS DOWN FIRMLY ON THE TRIM PIECE FOR FIVE SECONDS BEFORE RELEASING. REMOVE THE MOUNTING FIXTURE FROM THE TRIM PIECE. ROUTE THE CAMERA HARNESS INSIDE THE TRIM PIECE AND MOUNT THE PCB TO THE BACK-SIDE (CLEAN WITH ALCOHOL PAD FIRST) USING THE SUPPLIED 1x2" DOUBLE-SIDED TAPE AS SHOWN IN **FIGURE 22**.



2. CUT A SLIT IN THE EXISTING TRIM PIECE HARNESS GROMMET AND INSERT THE CAMERA HARNESS. USE THE SUPPLIED SEALING PUTTY WHERE THE HARNESS ENTERS THE GROMMET. INSERT HARNESSES AND GROMMET INTO THE REAR DOOR AND REINSTALL THE TRIM PIECE ONTO THE VEHICLE. BE SURE THE HARNESS IS NOT BOUND OR PINCHED. **FIGURES 23-24**



3. 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.



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.

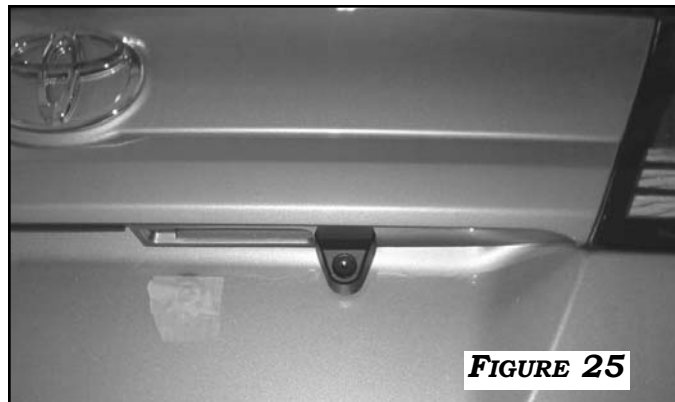


FIGURE 25

REASSEMBLY



1. REINSTALL TRIM PIECES TAKING SPECIAL CARE TO ENSURE HARNESES AND WIRING CONNECTIONS ARE PROPERLY SECURED. Figure 25



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.



Section III - Functional Verifications

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 console Operation
- ☐ Glove Box Operation
- ☐ Rear Hatch Door
- ☐ Radio Operation (Check by placing vehicle reverse gear)

Verify electrical operations.

Verify proper opening & closing.

Verify proper rear hatch door operation

Radio should operate normally.

APPENDIX

INSTALLING THE FUSE HARNESS

PRIOR TO CONNECTING THE RED WIRE OF THE REARSIGHT MIRROR POWER HARNESS TO THE SPECIFIED IGNITION WIRE IN THE VEHICLE, CONNECT THE SUPPLIED FUSE HARNESS TO THE RED “IGNITION” WIRE OF THE MIRROR POWER HARNESS BY MATING THE INSULATED CONNECTORS. THEN CONNECT THE OTHER END OF THE FUSE HARNESS TO THE SPECIFIED IGNITION WIRE IN THE VEHICLE.

