



# 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



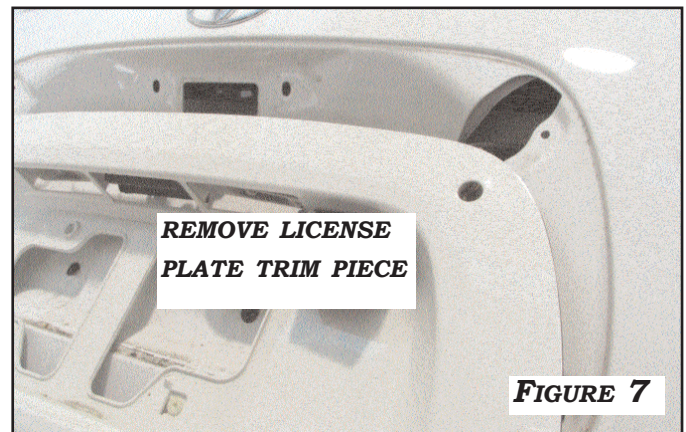
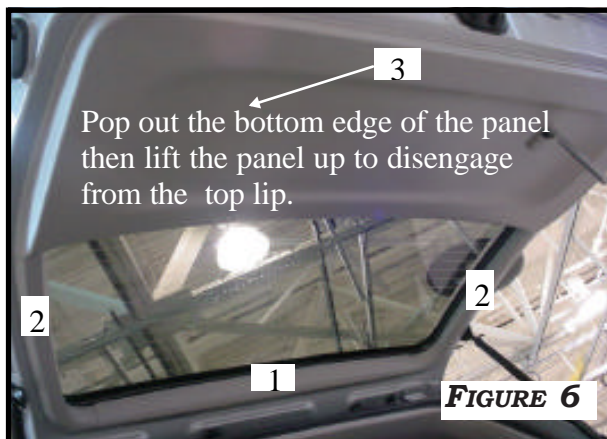
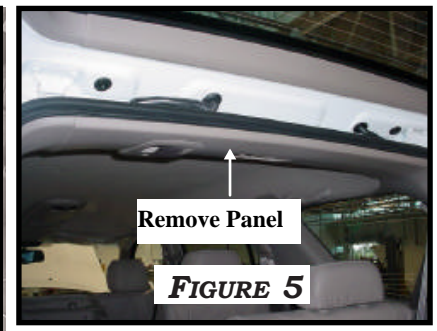
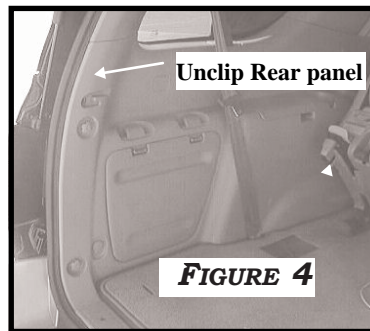
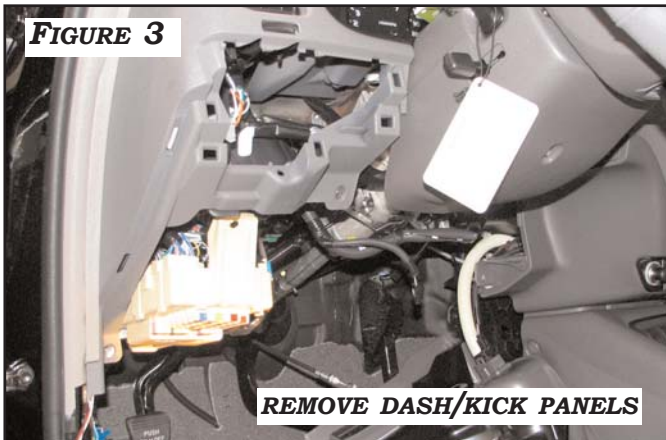
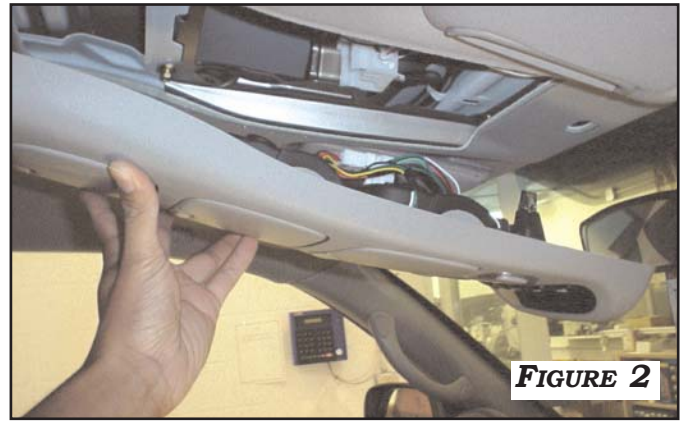
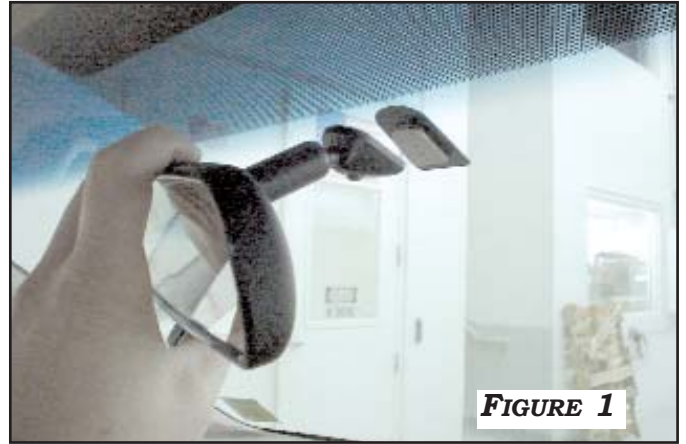
**DIS-CONNECT THE NEGATIVE BATTERY CABLE BEFORE**

**BEGINNING INSTALLATION.**



## VEHICLE PREPARATION

1. LOOSEN **TORX-20** WINDSHIELD LUG MOUNT SCREW AND REMOVE EXISTING REARVIEW MIRROR. **FIGURE 1**
2. REMOVE OVERHEAD CONSOLE BY REMOVING THE PHILIPS AND TORX SCREWS IN THE OVERHEAD COMPARTMENTS AND PULLING DOWN THE CONSOLE AS SHOWN **FIGURE 2**. REMOVE THE DRIVER SUNVISOR RETAINING CLIP.
3. REMOVE OR LOOSEN DRIVER SIDE TRIM PANELS INCLUDING A-PILLAR TRIM, KICK PANEL AND DOOR SILL TRIM, DASH PANEL; REAR DOOR SILL TRIM & HATCH DOOR SILL TRIM.
4. REMOVE CARGO LIGHT COVER, 2 SCREWS & UPLUG LIGHT. UNSNAP UPPER TRIM PANEL & UPLUG 3RD. BRAKE LIGHT WIRE. PULL BACK THE DRIVER SIDE REAR CARPET TO EXPOSE THE METAL FLOOR. **FIGURES 3-6**
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.
6. REMOVE INTERIOR TRIM PANELS AT TAILGATE AS NUMBERED. **FIGURE 6**
7. REMOVE 2 GROMMETS, AND REMOVE THE MOLDED TRIM PIECE BEHIND THE LICENSE PLATE BY REMOVING THREE (3) 10MM NUTS AND UNCLIPPING FIVE (5) PLASTIC CLIPS. **FIGURE 7**



# INSTALLATION

## INSTALLING MONITOR/MIRROR

1. MOUNT REAR SIGHT MIRROR ON EXISTING WINDSHIELD LUG AND TIGHTEN SCREW. (FIGURE 8) 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 9



FIGURE 8

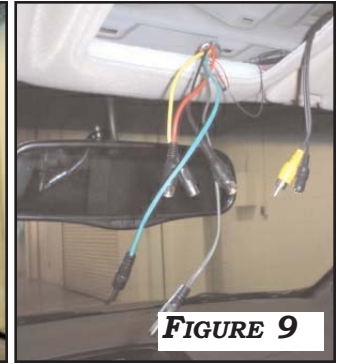


FIGURE 9

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 REAR SIGHT MIRROR HARNESS. WRAP ALL RCA AND DC CONNECTORS WITH THE FOAM TAPE PROVIDED. FIGURE 10



FIGURE 10

## 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 11



FIGURE 11

2. LOCATE GRAY CONNECTOR IB1 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 BLACK/RED WIRE IN PIN 9 OF CONNECTOR IB1. CONNECT THE BLACK GROUND WIRE OF THE MIRROR POWER HARNESS TO THE WHITE/BLACK WIRE IN PIN 12 OF JUNCTION CONNECTOR J7. LOCATE BLACK CONNECTOR 1E ON THE DRIVER SIDE JUNCTION BOX ON THE BACK OF THE FUSE BOX. 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 9 OF CONNECTOR 1E. SECURE ALL HARNESSES WITH WIRE TIES. FIGURES 12-13

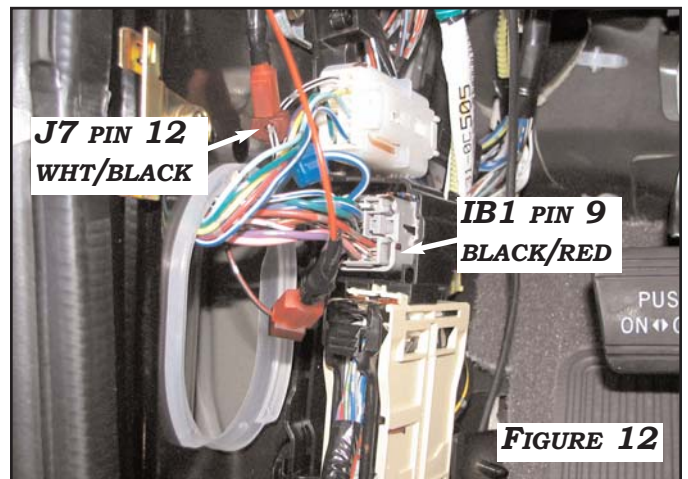



FIGURE 12

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 PANELS AND UP THE LEFT D-PILLAR, THEN ABOVE THE HEADLINER TO THE REAR DOOR HOSE GROMMET. DISCONNECT AND REMOVE THE VEHICLE HARNESS WITH THE HOSE GROMMET FROM THE REAR DOOR BY CUTTING THE TAPE HOLDING THE HARNESS TO THE RETAINER CLIPS. FOR INSTALLED SPOILER VEHICLES, REMOVE THE THIRD BRAKE LIGHT TO DISCONNECT THE HARNESS FROM INSIDE THE DOOR CAVITY. PULL BOTH GROMMETS OUT OF THE DOOR SO AND STRAIGHTEN THE HOSE AS SHOWN IN FIGURE 14. USE SOAPY WATER AND A PULLING TOOL TO PULL THE CAMERA EXTENSION HARNESS THROUGH THE HOSE AND THE REAR DOOR.

# INSTALLATION

4. REPLACE THE RUBBER HOSE GROMMETS IN THE DOOR. RE-ATTACH THE FACTORY REAR DOOR HARNESS TO THE RETAINER CLIPS. ROUTE THE CAMERA EXTENSION HARNESS ALONG THE FACTORY HARNESS AND SECURE WITH WIRE TIES.

5. CUT A SLIT IN THE GROMMET SHOWN IN **FIGURE 14a**.

 ROUTE THE CAMERA EXTENSION HARNESS THROUGH THIS GROMMET TO INSIDE THE DOOR. SEAL THE SLIT WITH PUTTY. USING WIRE TIES, ROUTE THE EXTENSION HARNESS TIGHTLY ALONG THE FACTORY HARNESS TO AVOID MOVING PARTS AS SHOWN IN **FIGURE 15**.


## MOUNTING CAMERA AND PCB





### Installation Temperature

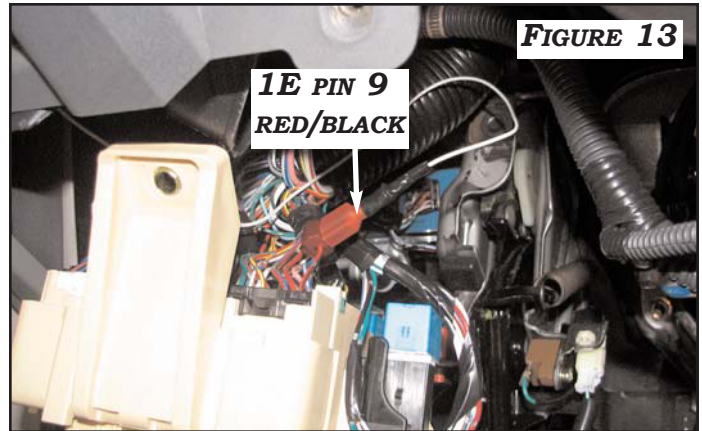
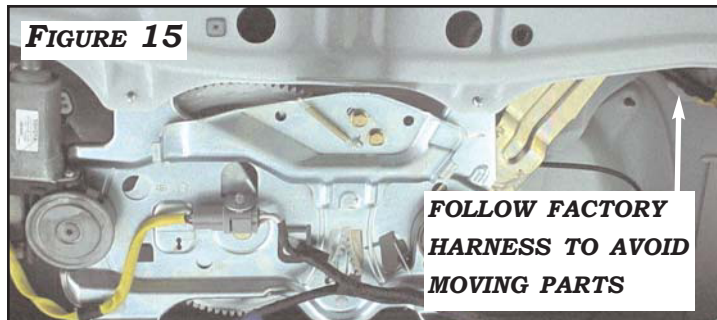
Surface temperature must be between 70° F and 110° F for optimum installation.



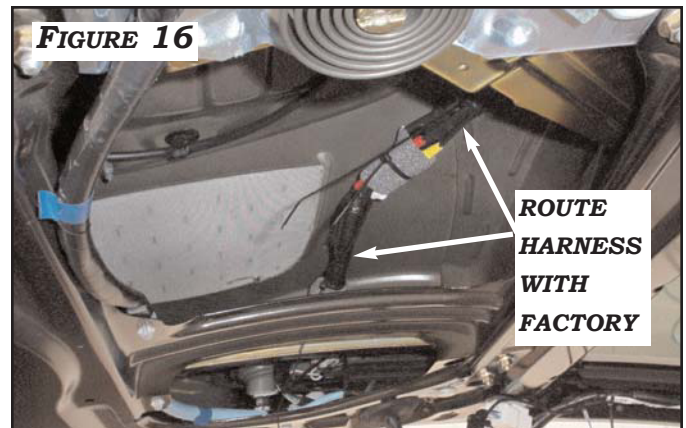
 1. CLEAN THE RIGHT SIDE OF THE BOTTOM OF THE LICENSE PLATE TRIM PIECE WITH ALCOHOL. MATE THE TRIM PIECE TOGETHER WITH THE REARSIGHT SEQUOIA REAR CAMERA MOUNTING FIXTURE. USE LICENSE PLATE SCREW HOLE AS A GUIDE AS SHOWN IN **FIGURE 17**. PEEL THE CLEAR LINER OFF OF THE DOUBLE-SIDED TAPE ON THE CAMERA 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. REMOVE THE RIGHT LICENSE PLATE LIGHT ASSEMBLY FROM THE TRIM PIECE BY REMOVING TWO (2) PHILIPS SCREWS. ROUTE THE CAMERA HARNESS INSIDE THE LIGHT CAVITY AND REPLACE THE LIGHT ASSEMBLY. **FIGURE 18**

 2. ROUTE THE CAMERA HARNESS ALONG THE EXISTING TRIM PIECE HARNESS. USE WIRE TIES TO SECURE IT AS SHOWN IN **FIGURE 19**. CONNECT THE LATCH CABLE TO THE LATCH AND REPLACE THE TRIM PIECE ONTO THE VEHICLE, BEING CAREFUL NOT TO PINCH THE WIRES. MOUNT THE PCB TO THE INSIDE OF THE REAR DOOR NEAR THE LOCK USING THE SUPPLIED 1x2" DOUBLE-SIDED TAPE AS SHOWN IN **FIGURE 21**. CLEAN THE AREA WITH AN ALCOHOL PAD FIRST.

 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. **FIGURE 16**




**NOTE: THE REAR WINDOW ROLLS DOWN. ROUTE THE HARNESS AWAY FROM MOVING PARTS; CLEAR THE WINDOW.**



# 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 HARNESSES AND WIRING CONNECTIONS ARE PROPERLY SECURED.



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



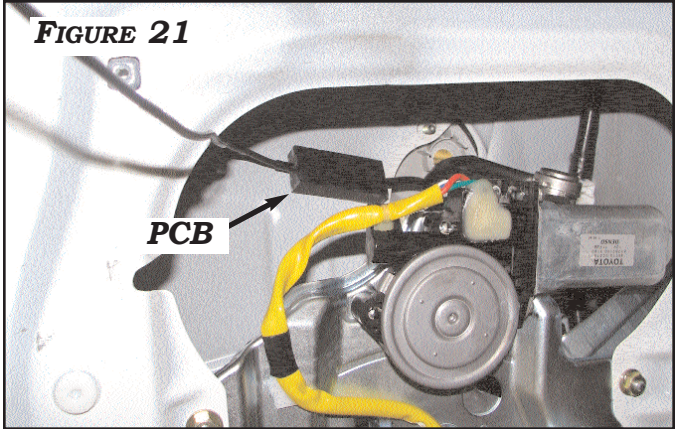
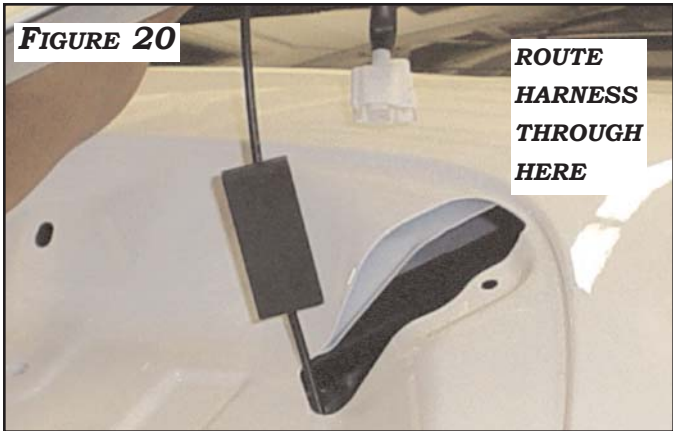
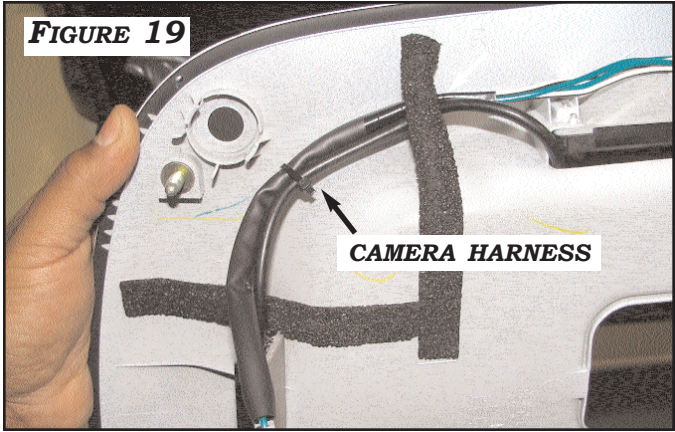
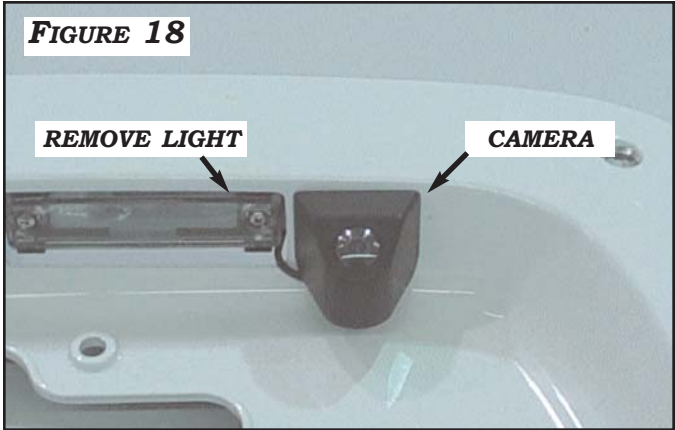
3. PLACE THE OWNER'S CARD IN THE GLOVE BOX.



4. RECONNECT ALL DISCONNECTED BULBS AND CHECK FOR FUNCTION.



5. INITIALIZE REAR TAILGATE WINDOW





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 Map Light Operation
- Third brake light (Spoiler Installed Only)
- Rear Tailgate Glass Operation
- Radio Operation (Check by placing vehicle reverse gear)

Map lamps should turn on/off.

Verify light turns on/off.

Operates with no interference of wires.

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.

