

**TOYOTA PRIUS**

**2010 -**

**REARSIGHT**

Part Number: 00016-00085

Code: MC90



## Conflicts

### KIT CONTENTS

ITEM	QTY	DESCRIPTION
1	1	MIRROR/MONITOR
2	1	REAR CAMERA ASSEMBLY
3	1	CAMERA EXTENSION HARNESS
4	1	SACK PARTS
5	1	OWNER'S CARD
6	1	MIRROR POWER HARNESS
7		
8		
9		
10		

### HARDWARE BAG CONTENTS

ITEM	QTY	DESCRIPTION
1	25	WIRE TIES
2	6	ADHESIVE FOAM
3	3	T-TAP, 18-22AWG
4	2	T-TAP, 14-18AWG
5	1	DOUBLE-SIDED MOLDING TAPE
6	1	SEALING PUTTY
7	1	ALCOHOL PAD
8	1	RUBBER GROMMET
9	1	ADJUSTABLE CABLE COVER
10	1	FUSE HARNESS

### ADDITIONAL ITEMS REQUIRED FOR INSTALL

ITEM	QTY	DESCRIPTION
1	N/A	ELECTRICAL TAPE
2		
3		
4		

### RECOMMENDED TOOLS

SAFETY TOOLS	
SPECIAL TOOLS	
REAR MOUNTING FIXTURE	
INSTALLATION TOOLS	
FASTENER REMOVAL TOOL	WIRE CUTTERS
TRIM REMOVAL TOOL	TORX-20 WRENCH
10-MM DEEP SOCKET	PLIERS
TORQUE WRENCH (48 IN.LB.)	
SPECIAL CHEMICALS	
SOAPY WATER OF ALCOHOL WATER	

### COLOR APPLICABILITY/TRIM LEVEL

ACCESSORY COLOR															
	VEHICLE TRIM COLOR														

### GENERAL APPLICABILITY

ALL MODELS

### Legend

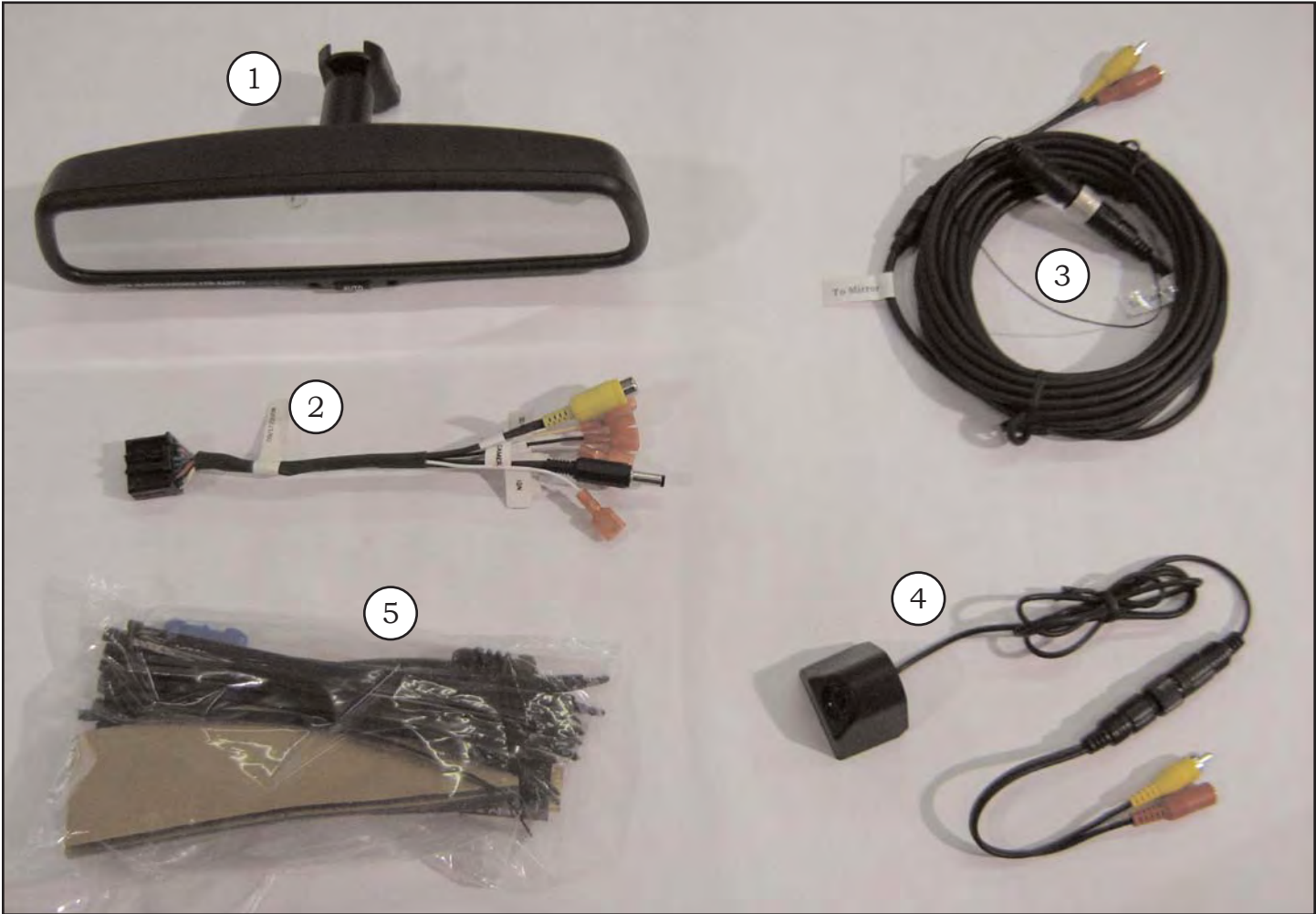
- STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.
- OPERATOR SAFETY:** Use caution to avoid risk of injury.
- CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.
- TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended for this process.
- REVISION MARK:** This mark highlights a change in installation with respect to previous issue.
- SAFETY TORQUE:** This mark indicates that torque is related to safety.

#### SPECIAL NOTE: Installation Sequences

After TMS and 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

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



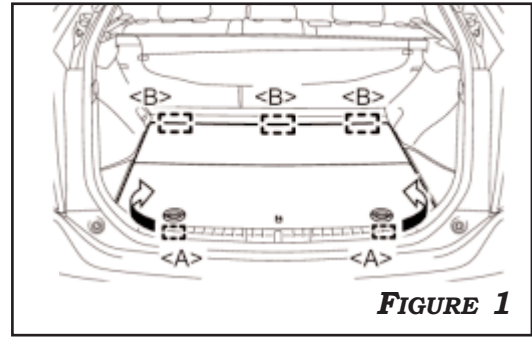
**\*BEFORE** BEGINNING INSTALLATION, FAMILIARIZE YOURSELF WITH THE INSTALLATION INSTRUCTIONS AND THE **REARSIGHT™** BACK-UP CAMERA SYSTEM COMPONENTS.

# VEHICLE PREPARATION

## NEGATIVE BATTERY CABLE REMOVAL

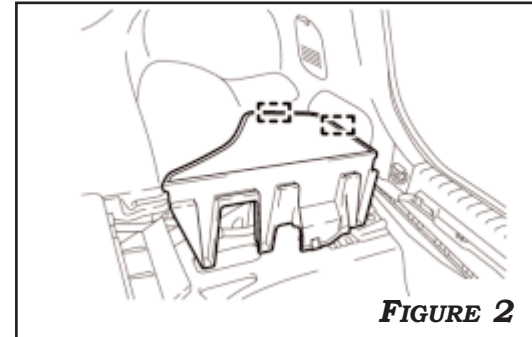


1. DISENGAGE THE 2 GUIDES <A> AND 3 GUIDES <B> TO REMOVE THE REAR FLOOR BOARD. **FIGURE 1.**



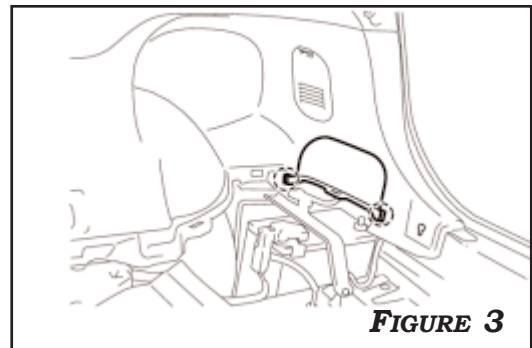
**FIGURE 1**

2. REMOVE THE DECK FLOOR BOX REAR SHOWN IN **FIGURE 2.**



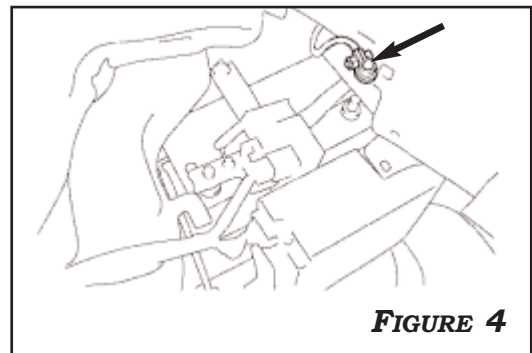
**FIGURE 2**

3. DISENGAGE TWO CLAWS TO REMOVE THE REAR FLOOR BOARD UPPER PLATE AS SHOWN IN **FIGURE 3.**



**FIGURE 3**

4. DISCONNECT THE CABLE FROM THE NEGATIVE TERMINAL OF THE 12 V BATTERY AS SHOWN IN **FIGURE 4.**



**FIGURE 4**



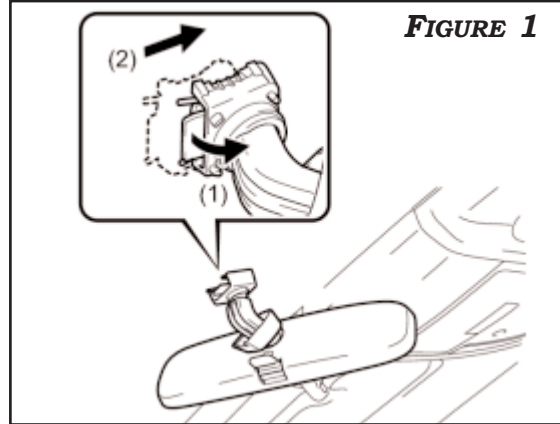
**CAUTION: It is advisable to disconnect the negative battery cable for 3 minutes before beginning installation, to avoid unintended air bag deployment. Note and record any anti-theft radio codes prior to disconnecting.**

# VEHICLE PREPARATION

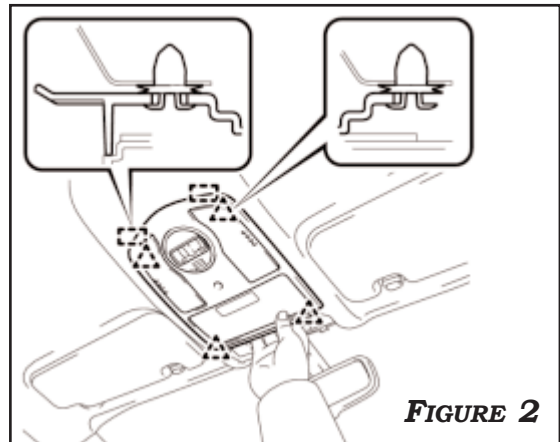
## VEHICLE PREPARATION CONTINUED...



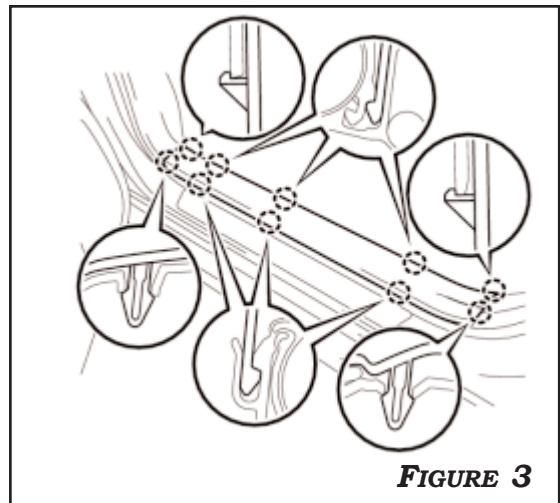
5. REMOVE THE MIRROR BASE COVER. PUSH THE LEVER, AND THEN SLIDE AND REMOVE THE INNER REAR VIEW MIRROR. **FIGURE 1**



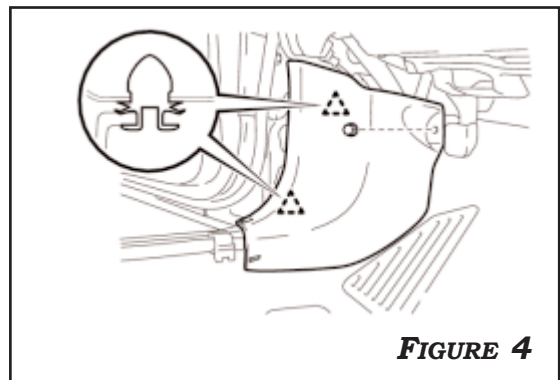
6. DISENGAGE THE 4 CLIPS, 2 GUIDES, AND DISCONNECT THE CONNECTOR TO REMOVE MAP LIGHT ASSEMBLY. **FIGURE 2**



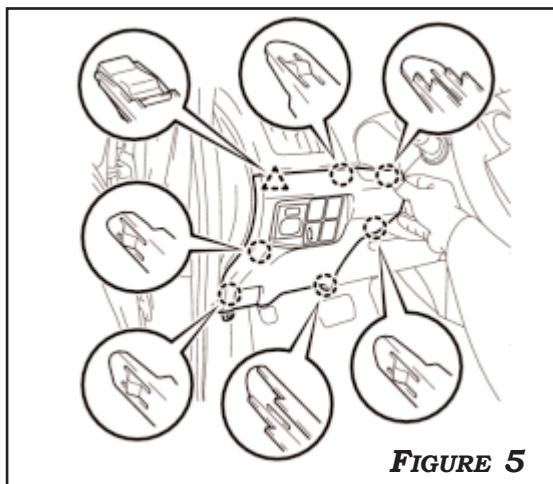
7. USING A TRIM TOOL, DISENGAGE 10 CLAWS TO REMOVE THE DRIVER SIDE DOOR SCUFF PLATE. **FIGURE 3**



8. DETACH THE CLIP AND DISENGAGE 2 CLIPS TO REMOVE THE LEFT SIDE KICK PANEL. **FIGURE 4**



9. REMOVE SCREW, DISENGAGE 6 CLAWS, AND 1 CLIP. DISCONNECT EACH CONNECTOR AND HOOD CABLE ASSEMBLY TO REMOVE THE LOWER INSTRUMENT FINISH PANEL. **FIGURE 5**



# VEHICLE PREPARATION

## VEHICLE PREPARATION CONTINUED...



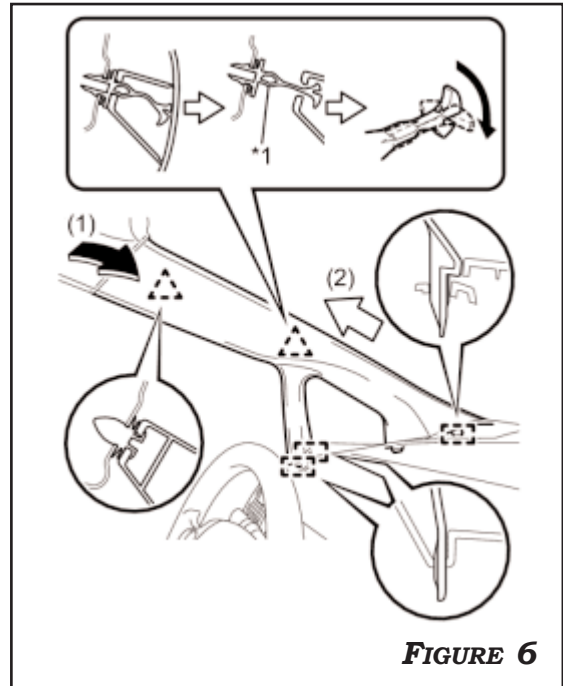
10. USE NEEDLE NOSE PLIERS TO TURN CLIP 90 DEGREES AND RELEASE AS SHOWN. DISENGAGE 2 CLIPS TO REMOVE THE LEFT FRONT PILLAR. **FIGURE 6**

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

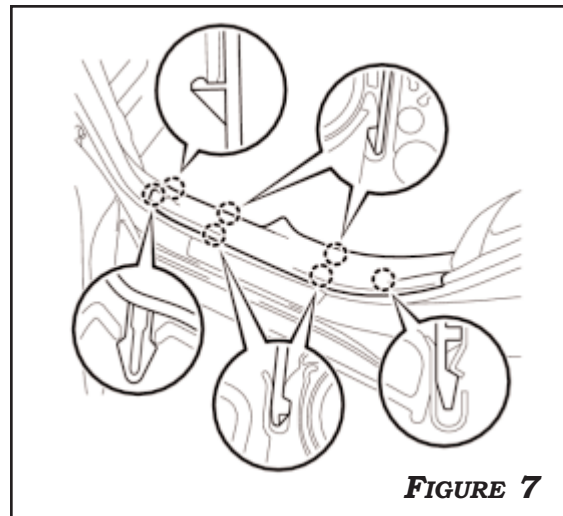
12. REMOVE LEFT COMPARTMENT SIDE COVER. REMOVE 3 BOLTS, DISENGAGE 7 CLAWS, AND 2 CLIPS TO RELEASE LEFT SIDE COMPARTMENT PANELS. **FIGURE 8**

13. DISENGAGE 11 CLIPS AND 2 CLAWS TO REMOVE BACK DOOR TRIM PANEL. **FIGURE 9**

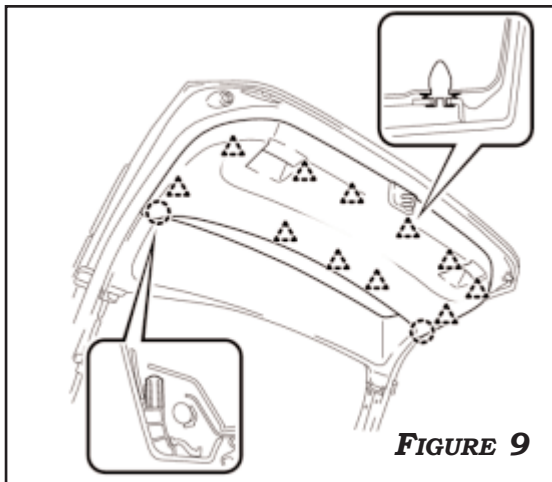
14. REMOVE KNOCKOUT PANEL COVER AND RELEASE LIC-SENSE PLATE LIGHTING FIXTURE FROM THE BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY. **FIGURE 10**



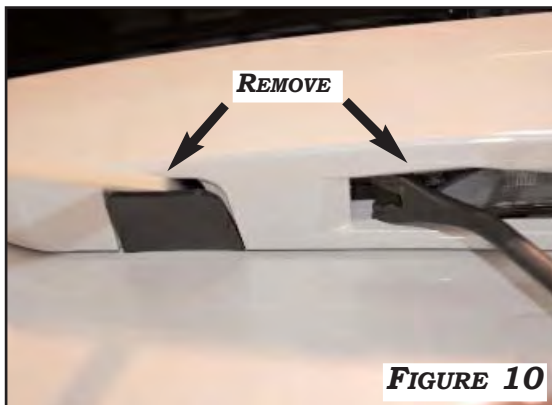
**FIGURE 6**



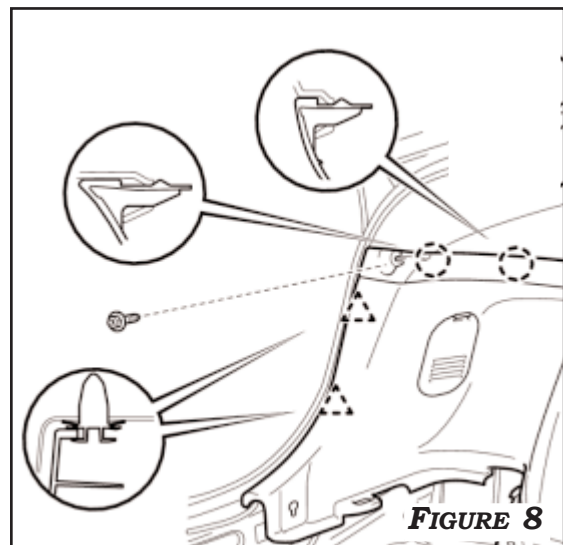
**FIGURE 7**



**FIGURE 9**



**FIGURE 10**



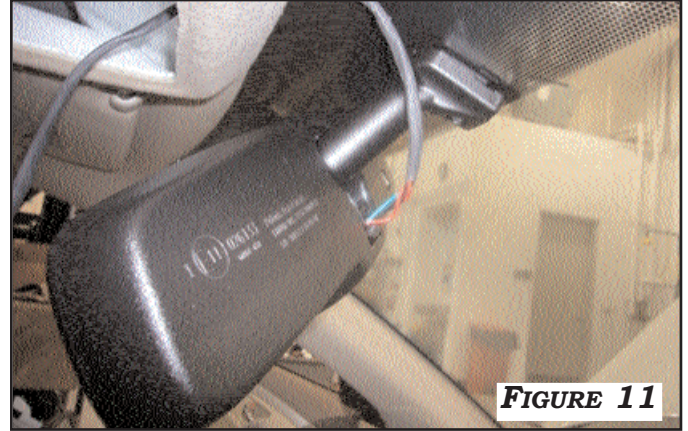
**FIGURE 8**

# INSTALLATION

## INSTALLING MONITOR/MIRROR



1. MOUNT REARSIGHT MIRROR ON EXISTING WINDSHIELD LUG AND TIGHTEN SCREW. **FIGURE 11**



**FIGURE 11**

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 12**

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. WRAP ALL **RCA** AND **DC** CONNECTORS WITH THE FOAM TAPE PROVIDED. **FIGURE 12**



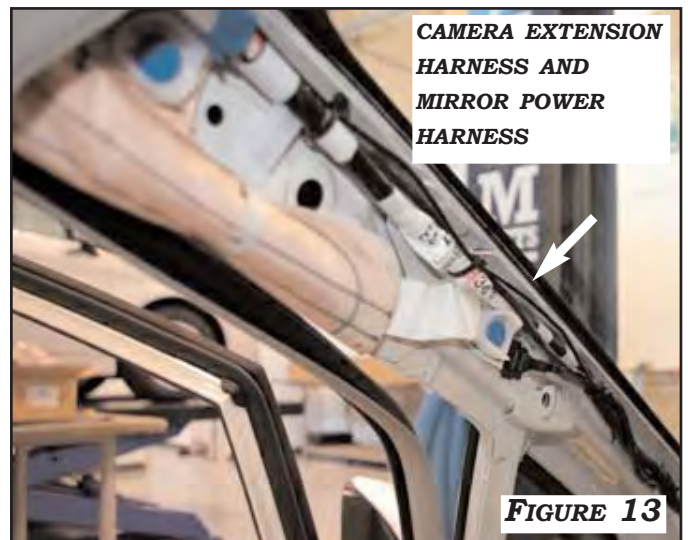
**WRAP FOAM TAPE AROUND CONNECTORS**

**FIGURE 12**

## 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 13**



**CAMERA EXTENSION HARNESS AND MIRROR POWER HARNESS**

**FIGURE 13**

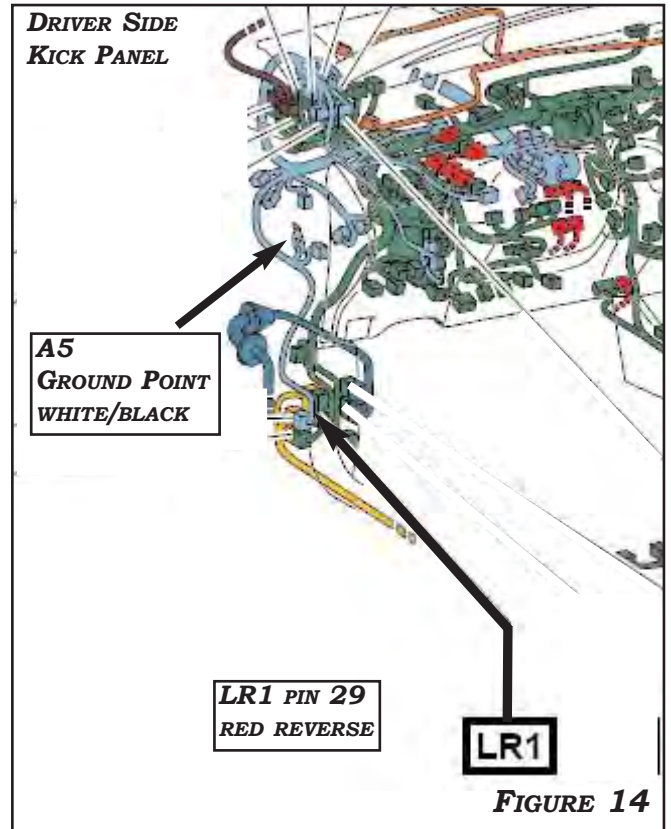
# INSTALLATION

## ROUTING HARNESSSES AND POWER CONNECTIONS CONTINUED...

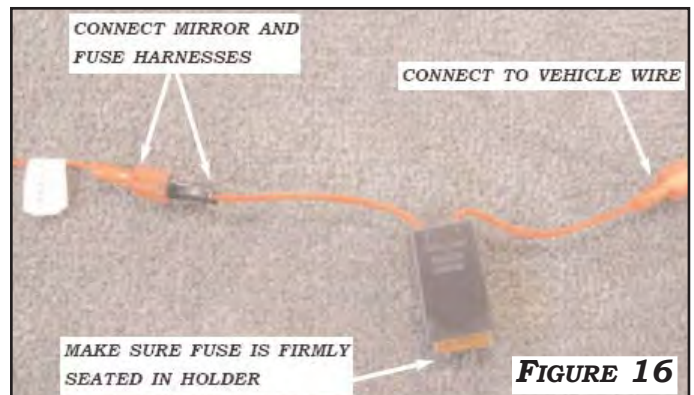
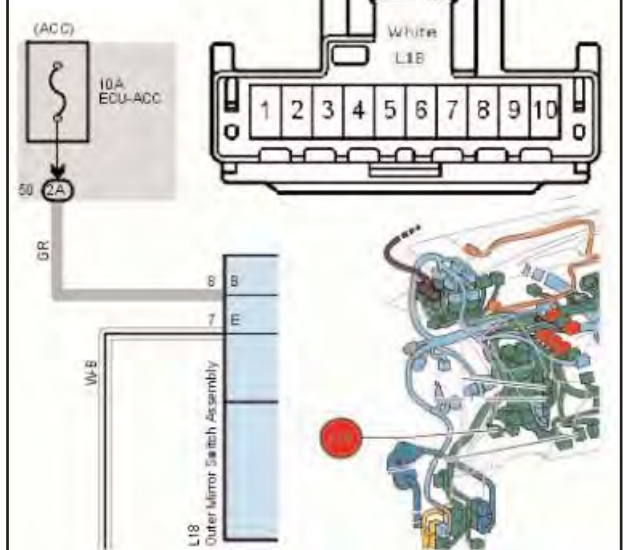


2. LOCATE WHITE CONNECTOR **LR1** AT THE DRIVER SIDE KICK-PANEL AREA. USE THE SUPPLIED RED T-TAP CONNECTOR TO CONNECT THE **WHITE REVERSE WIRE** OF THE **MIRROR POWER HARNESS** TO THE **RED WIRE** IN **PIN 29** OF WHITE CONNECTOR **LR1** (BACK UP LIGHT CIRCUIT). LOCATE WHITE CONNECTOR **L18** AT JUNCTION BOX. USE THE SUPPLIED RED T-TAP CONNECTOR TO CONNECT THE **RED IGNITION WIRE** OF THE **MIRROR POWER HARNESS** TO THE **GRAY WIRE** IN **PIN 8** OF CONNECTOR **L18** (OUTER MIRROR SWITCH CIRCUIT). **USE THE SUPPLIED FUSE HARNESS BETWEEN THE RED IGNITION WIRE OF THE MIRROR POWER HARNESS AND GRAY 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 F1**. SECURE ALL HARNESSSES WITH WIRE TIES. **FIGURES 14-16**

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 17-19**



**FIGURE 15**



# INSTALLATION

## MOUNTING CAMERA AND PCB

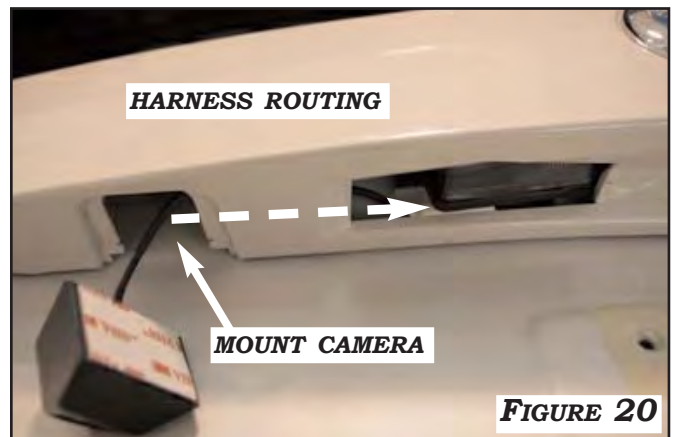
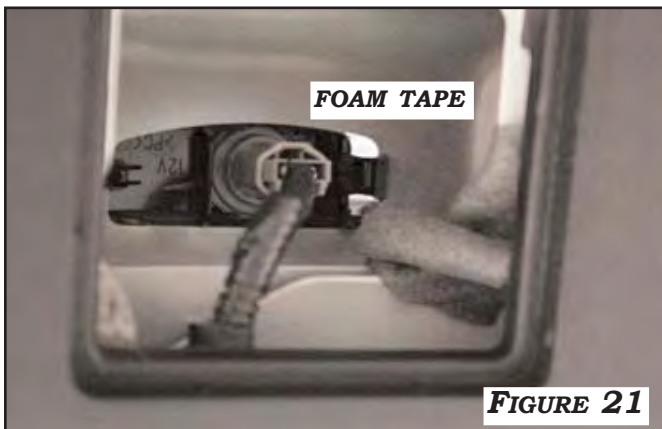
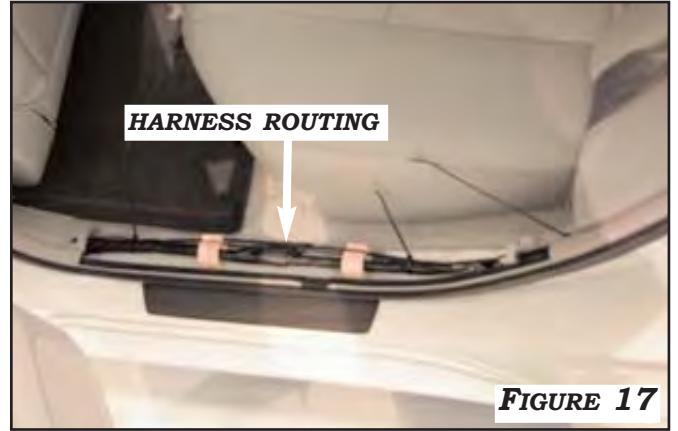


### NOTE: INSTALLATION TEMPERATURE

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

1. ROUTE THE CAMERA HARNESS INSIDE THE TRIM PIECE AND THROUGH THE LIGHTING HARNESS ENTRANCE. 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 20.** BE SURE TO USE PROVIDED FOAM TAPE WHERE THE CAMERA HARNESS ENTERS ON BACK SIDE AS SHOWN IN **FIGURE 21**

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 22**





# TESTING AND REASSEMBLY

## TESTING

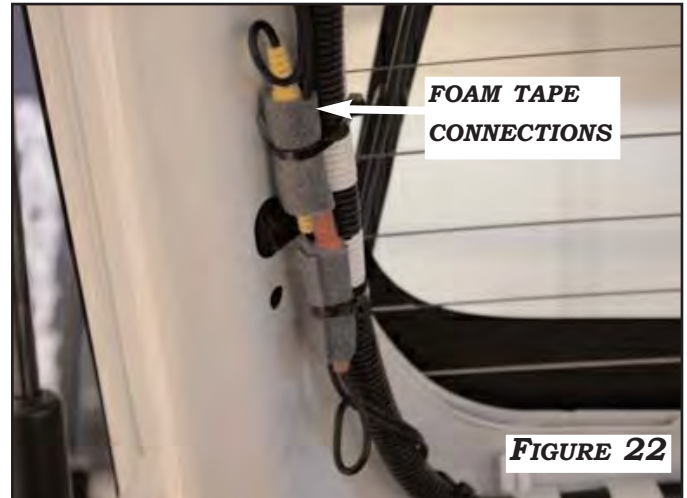


1. RECONNECT NEGATIVE BATTERY CABLE AND TORQUE TO **48 in lbs** . RE-ENTER ANY THEFT DETERRENT INFORMATION, IF APPLICABLE.



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.

FUNCTION VERIFICATIONS



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