

**Part Number:**

**PT900-0T110, VENZA RSE (AUX)**

**PT900-0T111, VENZA RSE (AUX/USB)**

**Kit Contents**

Item #	Quantity Reqd.	Description
1	2	Seat Top Dock Assembly
2	2	Seat Top Dock Cover
3	2	Extension Cable
4	1	Audio Interface Module
5	1	Power / Audio Interface Harness
6	1	Bracket Kit
7	1	Hardware Bag
8	1	AIM Bracket Carpet Cutting Template
9	1	Seat Top Foam Cutting Template
10	1	Owner's Manual, Toyota Seat Top DVD RSE

**Bracket Kit Contents**

Item #	Quantity Reqd.	Description
1	1	Audio Interface Module Bracket
2	2	Lower Bracket
3	2	Upper Bracket
4	2	Spacer, Seat Top Bracket
5	4	Screw, M4 x 8mm
6	2	Screw, M4 x 28mm

**Hardware Bag Contents**

Item #	Quantity Reqd.	Description
1	20	Cable Tie, 8" Black
2	3 Sheets	18 Foam Pads, 2.5" x 1.5"
3	4	Nut, M4
4	1	Butyl Tape Kit
5	2	Female T-Tap, Connector
6	14	Hog Ring
7	8	Screw, M4 x 25mm

**Additional Items Required For Installation**

Item #	Quantity Reqd.	Description
1	1	Universal Seat Top LCD/DVD PT900-01100

**Conflicts**

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**Recommended Tools**

Personal & Vehicle Protection	Notes
Vehicle Protection	Blankets, Seat Covers, Protective Seat Feet Covers
Special Tools	Notes

**NOTE:** Part number of this accessory may not be the same as the part number shown.

Installation Tools	Notes
Awl	
Pliers	
Drive Ratchet	1/4", 3/8"
Socket	8mm, 10mm, 12mm, 14mm
Torque Wrenches	10-50 lbf•in, 5-75 lbf•ft
Ratchet, Extension	6"
Screwdriver	Phillips #2
Plastic Pry Tool	Panel Removal
Masking Tape	
Razor Knife	
Side Cutters	
Hog Ring Tool	Hog Ring Installation
Felt tip Marker	
Electrical Tape	
Allen Socket	M3
VDC Approved Cleaner	
Test DVD Discs (2)	
Dual Channel Test Wireless Headphones	
Test Remote Control	
<b>Special Chemicals</b>	<b>Notes</b>

**Color Applicability/Trim Level**


**General Applicability**

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**Recommended Sequence of Application**

Item #	Accessory
1	DVD RSE

\*Mandatory

**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.

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.


This document covers such items as:-

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).


Please see your Toyota dealer for a copy of this document.

NOTES:


Removed Parts:-


 Place all removed parts on a protected surface in an area they will not be damaged.


Connectors:-


 When disconnecting connectors, do not pull on the wires; pull on the connectors.


1. Vehicle Preparation and Protection


 (a) Set the emergency brake, and unlock all vehicle doors.

 **NOTE:** For vehicles with power seats, perform procedures described in Section II-5 steps (a) through (d-5) before removing the negative battery cable.

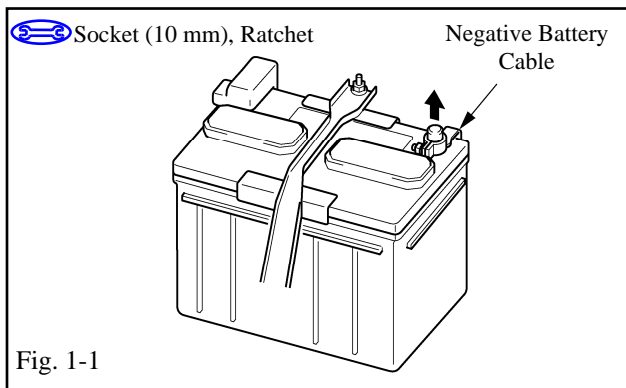
 (b) Open the hood and apply protective covers to the fender/grill area by the battery.

 (c) Remove the negative battery cable. (Fig. 1-1)

 (1) Do not touch the positive terminal with any tool when removing cable.

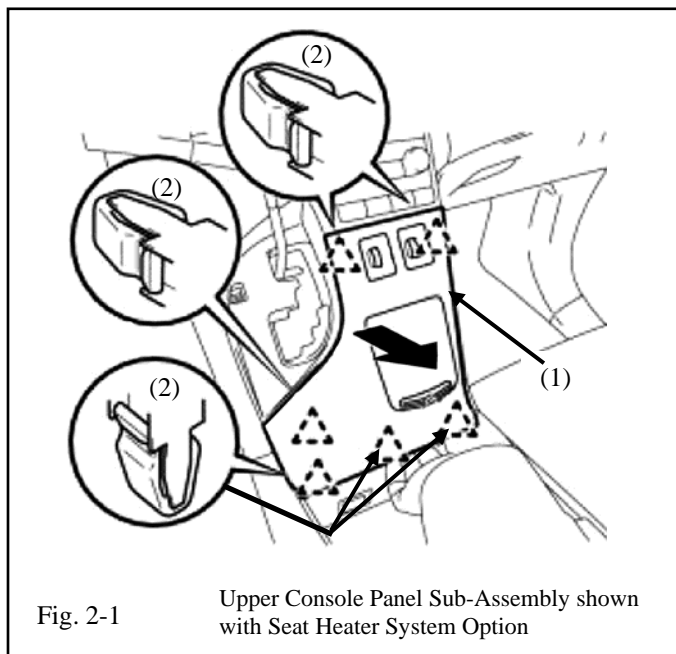
 **CAUTION: Do not disconnect the connectors under the seats unless the negative battery cable is removed!**

(d) Cover the 2nd row seats and the interior of vehicle using seat covers and blankets.



**2. Remove Upper Console Panel Sub-Assembly**

- (a) Pull the Upper Console Panel Sub-Assembly (1) to disengage the six clips (2) in the direction indicated by the arrow. (Fig. 2-1)
- (1) If vehicle is equipped with Seat Heater System, disconnect the connectors from the underside and remove the upper console panel sub-assembly.



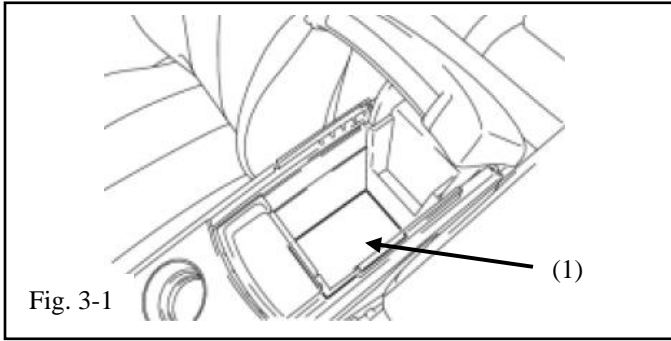


Fig. 3-1

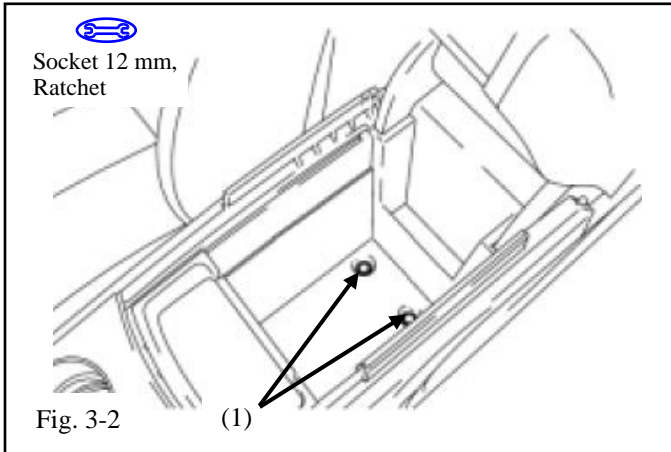


Fig. 3-2

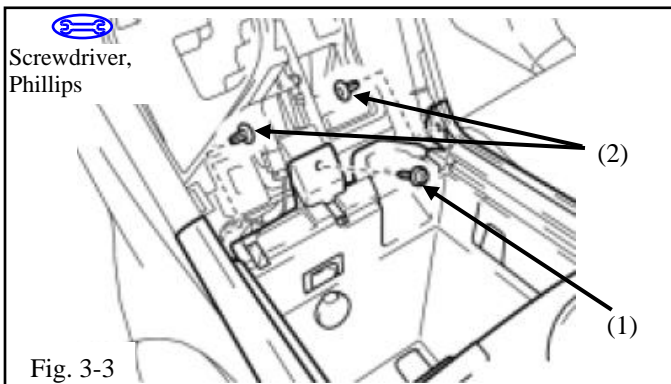


Fig. 3-3

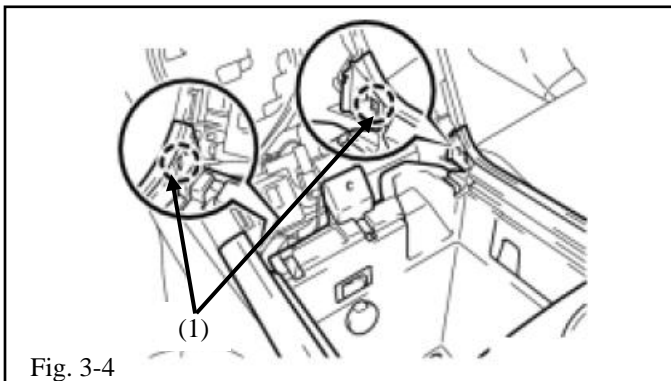
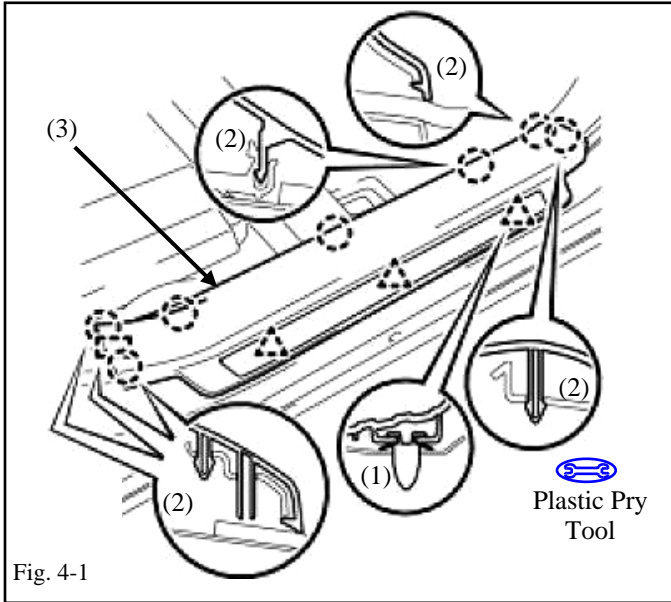


Fig. 3-4

### 3. Remove Upper Console

- (a) Open Upper Console Box Cover and remove the console box carpet (1). (Fig. 3-1)
- (b) Remove the two 12 mm bolts (1) from the console box bottom. (Fig. 3-2)
- (c) Remove the one screw (1) and two push clips (2) from the forward top side of the console box. (Fig. 3-3)
- (d) Disengage the two claws (1) and remove the console box retainer. (Fig. 3-4)
- (e) Disconnect the connectors on the bottom side of the console box assembly and remove.

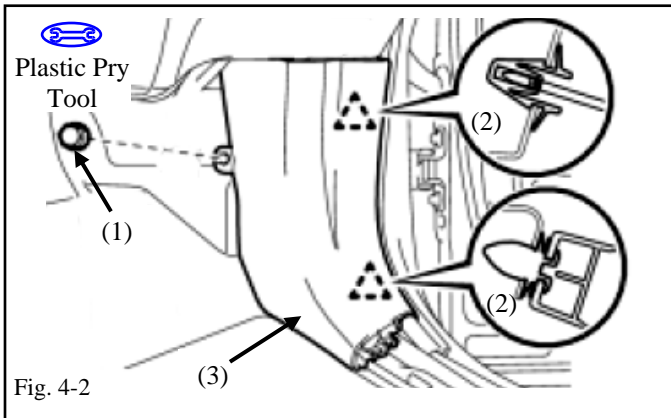


**4. Front Door Scuff Plate and Cowl Cover Removal (Passenger Side only)**

- STOP** (a) Remove the Passenger side Front Door Scuff Plate (Fig. 4-1) and Cowl Covers. (Fig. 4-2)

**Front Door Scuff Plate Removal**

- (1) Using a plastic pry tool, detach the three clips (1) and seven claws (2) to remove the door scuff plate. (Fig. 4-1)



**STOP** Cowl Cover Removal

- (2) Remove one twist clip (1). (Fig. 4-2)
- (3) Detach two clips (2) to remove the cowl (3) using a plastic pry tool. (Fig. 5-2)

5. Front Driver and Passenger Seat Removal

**⚠ CAUTION:** For vehicles with power seats, perform procedures described in steps (a) through (d-4) before removing the negative battery cable.

**⚠ CAUTION:** Do not disconnect the connectors under the seats unless the negative battery cable is removed!

**⚠ CAUTION:** Before beginning Step (e) wait for at least 90 seconds after disconnecting the negative cable to prevent the airbag from deploying.

**STOP NOTE:** The procedures described below are for the both the front driver and passenger seats, unless otherwise specified.

**STOP CAUTION:** The procedure described below can affect the SRS airbag system. Read the precautionary notices concerning the SRS airbag system before proceeding (See page RS-1 of the service manual).

(a) Press the headrest support button and pull the headrests (1) up and off of the driver and passenger front seats. (Fig. 5-1)

**STOP** (b) Remove Front Seat Rear Outer Track Cover (Driver and Passenger Sides)

(1) Operate the power seat switch (slide switch) to move the seat to the forward position.

(2) Using a plastic pry tool, disengage the two claws (1) and remove the Rear Outer Track Cover (2). (Fig. 5-2)

**STOP** (c) Remove Front Seat Rear Inner Track Cover (Driver and Passenger Sides)

(1) Using a plastic pry tool, disengage the two claws (1) and remove the Rear Inner Track Cover (2). (Fig. 5-3)

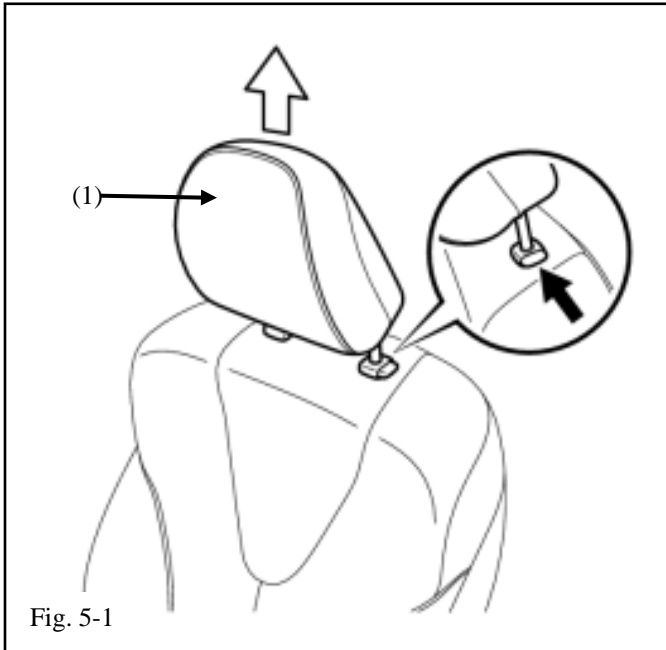


Fig. 5-1

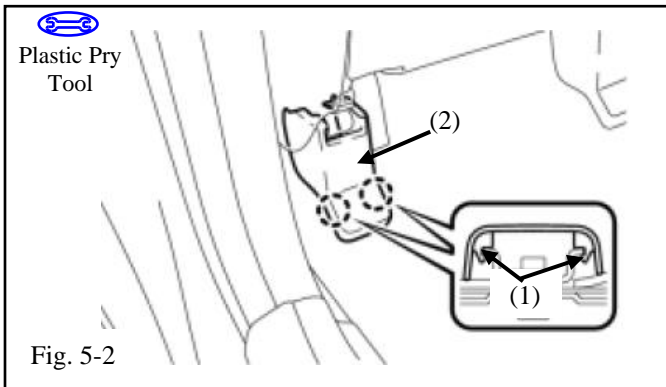


Fig. 5-2

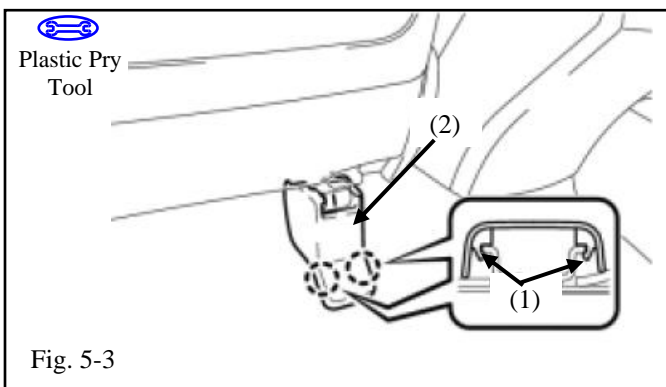
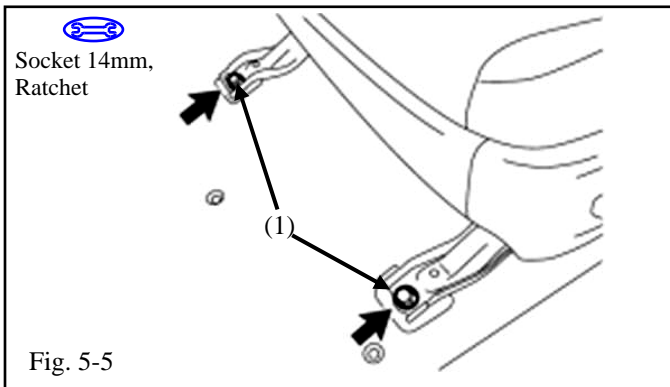
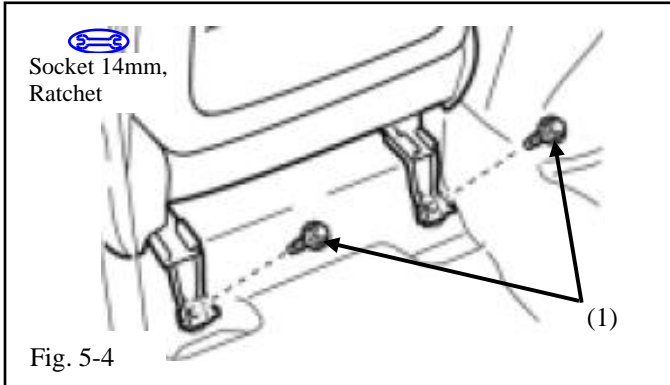


Fig. 5-3



(d) Remove Front Seats (Driver and Passenger Sides)

(1) Using a ratchet, remove the rear two bolts (1). (Fig. 5-4)



(2) Operate the power seat switch (slide switch) to move the seat to the rearmost position.

(3) Using a ratchet, remove the front two bolts (1). (Fig. 5-5)



(4) Operate the power seat switch (slide switch) to move the seat to the center position, and operate the power seat switch (reclining switch) to move the seatback to the upright position.



(5) Disconnect the cable from the negative (-) battery terminal. (Fig. 1-1)

**NOTE:** Before tilting the seat backward use protective coverings on the seat mounting flange and trim.

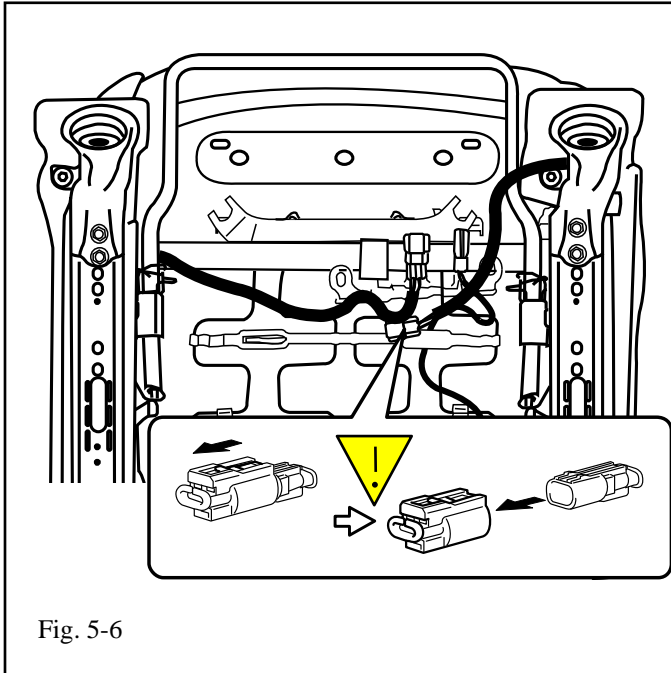


Fig. 5-6

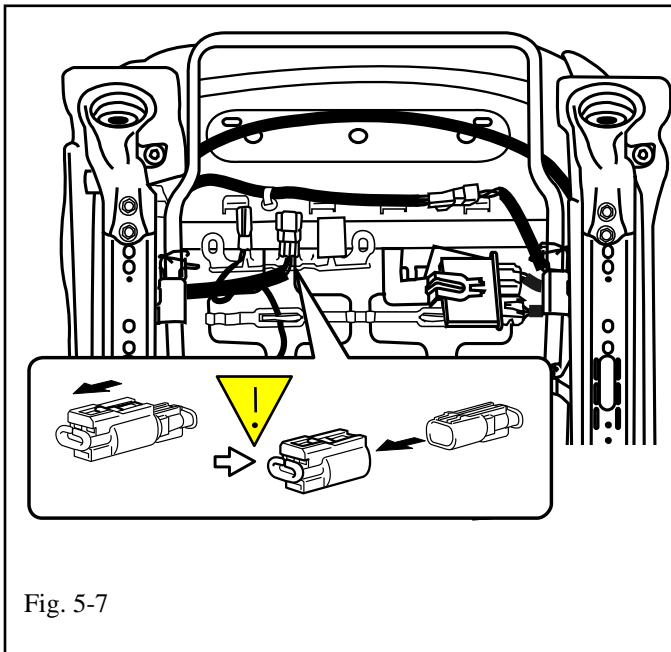


Fig. 5-7

(6) Tilt the seat backward exposing the bottom side. (Fig. 5-6 , 5-7)



**CAUTION:** To prevent damage to the SRS airbag system, do not proceed with the following steps unless the negative battery cable is removed!

(e) Disconnect the connectors under each seat (refer to service manual):

- (1) For Passenger Side: (Fig. 5-6)
- (2) For Driver Side: (Fig.5-7)



(f) Use protective seat feet covers or masking tape to prevent scratching vehicle during the removal and reinstallation.

(g) Remove the front seats and store on protective blanket.

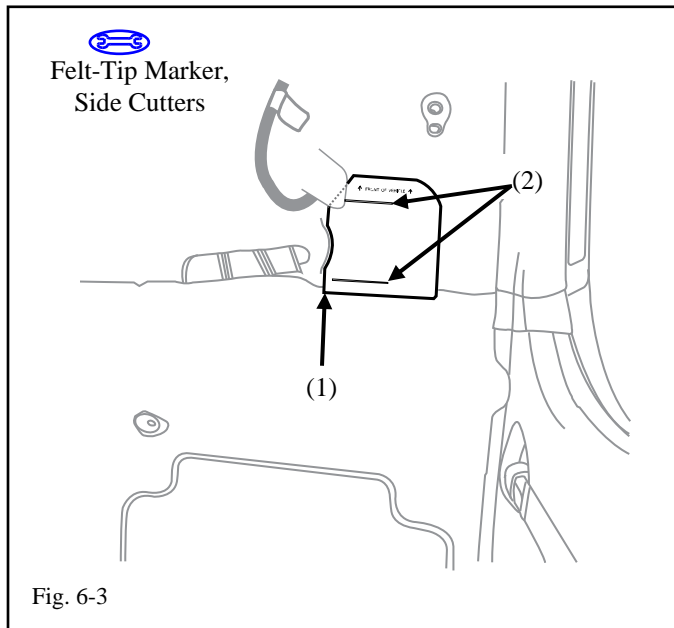


**CAUTION:** Place protective blanket on door entry. Be careful not to damage the vehicle door trim when removing the seats.



**NOTE:** During vehicle re-assembly, reinstall the front and back seat anchor bolts and torque to 27ft-lbf (37 N-m).





### 6. Marking and Cutting the Floor Carpet for the AIM Bracket

- (a) Using the Carpet Cutting Template, (IADS # VEN11-030-01) (1) mark the carpet on the passenger side with a felt-tip marker in the two required locations (2) to be cut. (Fig. 6-3)



**CAUTION:** Insert a hard surface barrier prior to cutting the carpet to protect the wire harness beneath the carpet.

- (b) Using side cutters, cut the full length along the cutting lines on the template. (Fig. 6-3)

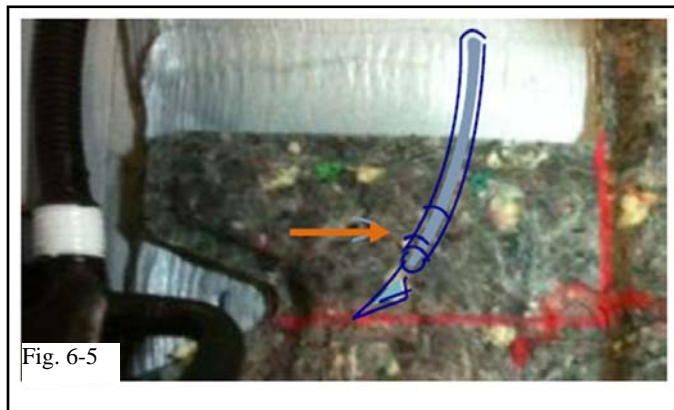
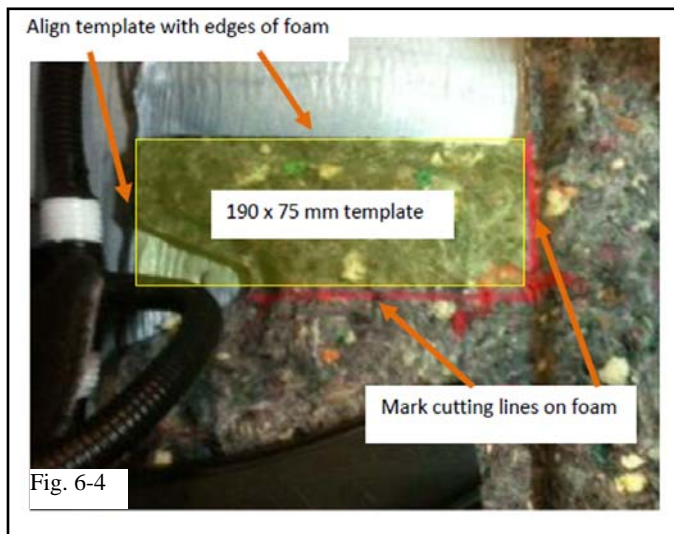


- (c) Make sure the carpet is cut all the way through to the floor the full length of the cut lines

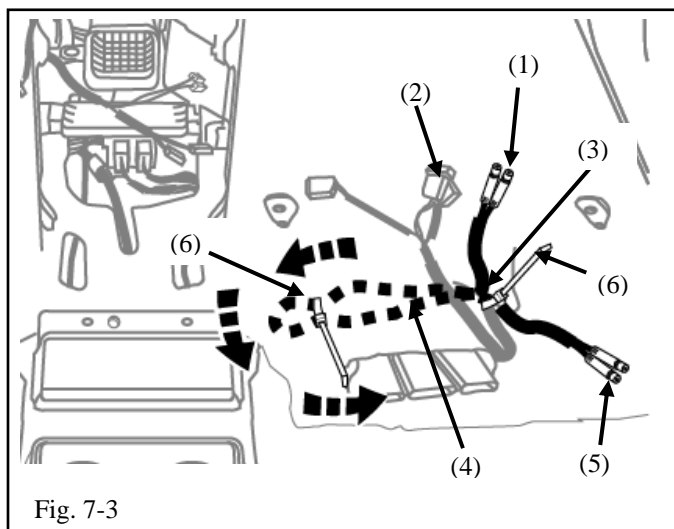
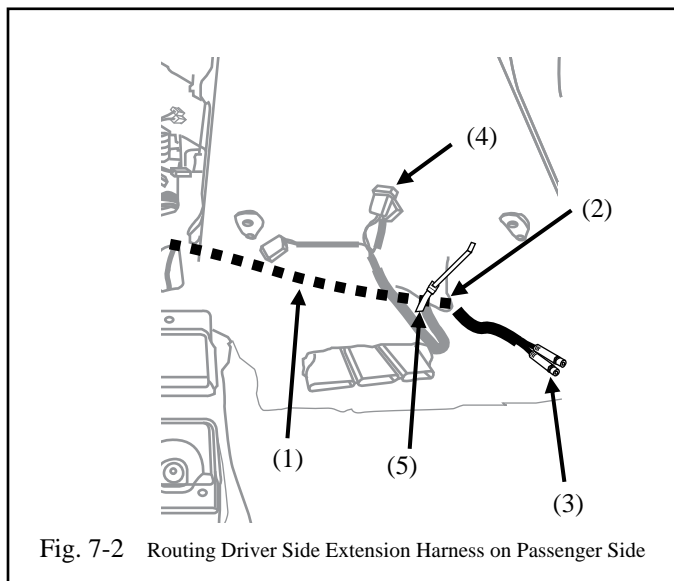
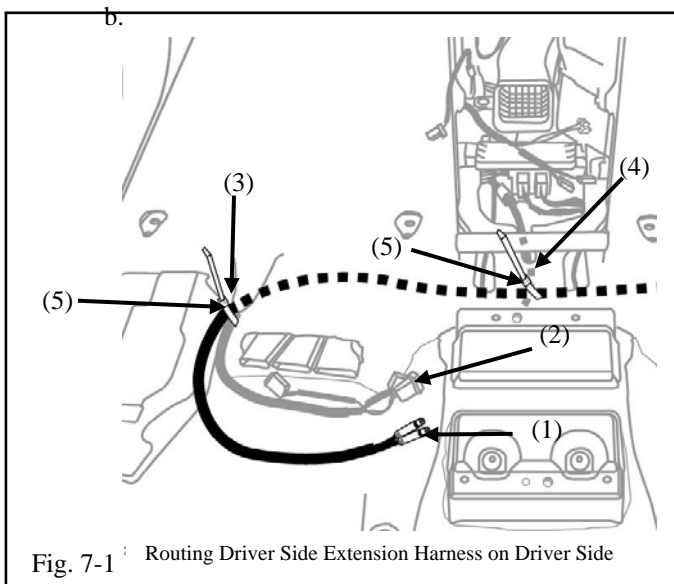
**CAUTION:** Be careful not to cut vehicle harness located under the carpet.

**NOTE:** Removal of additional foam in 2013 MY Venza to allow correct installation of RSE AIM steps (d) through (f).

- (d) Make a 190 x 75 mm template.
- (e) Place template as shown and mark the foam area to be cut with a felt tip marker. (Fig. 6-4)



- (f) Cut away foam along marked cutting lines using a sharp knife (place a hard surface barrier under the foam prior to cutting to protect the vehicle bottom; cut away from the seat harness). Remove foam and discard. (Fig. 6-5)



## 7. Extension Harness Routing



**CAUTION: Do not secure accessory harness to any harness with S.R.S. “Yellow” harness routing.**

### (a) Driver Side Extension Harness Routing

- (1) Align the yellow and blue connectors (1) on one end of the driver side extension harness with the connectors (2) of the existing vehicle harness under the Driver seat location. (Fig. 7-1)
- (2) Route the driver side extension harness along the existing vehicle harness under the carpet through the carpet opening (3) under the seat and under the emergency brake cable (4). Secure with two 8” cable ties (5). (Fig. 7-1)



**CAUTION: Be sure to route the wire harness under the emergency brake cable.**

- (3) Continue routing the driver side extension harness (1) under the carpet, across the center console and out through the carpet opening (2) under the passenger seat. (Fig. 7-2)
- (4) Align the yellow and blue connectors (3) to the same length of the connectors (4) of the existing vehicle harness under the passenger seat location. (Fig. 7-2)
- (5) Secure the driver side extension harness (1) to the vehicle harness using one 8” cable tie (5) at the carpet opening. (Fig. 7-2)

### (b) Passenger Side Extension Harness Routing

- (1) Align the red and green connectors (1) on one end of the passenger side extension harness to the same length of the connectors (2) of the existing vehicle harness under the Passenger seat location. (Fig. 7-3)
- (2) Route the passenger side extension harness along the existing vehicle harness under the carpet through the carpet opening (3) under the seat looping the excess harness (4) in the channel under the carpet and heater duct. (Fig. 7-3)
- (3) Route the red and green connectors (5) on the opposite end of the passenger side extension harness to the same length of the connectors (2) of the existing vehicle harness under the Passenger seat location. (Fig. 7-3)
- (4) Secure the passenger side extension harness to the vehicle harness using two 8” cable ties (6) at the carpet opening (3). (Fig. 7-2)

- (c) Cut all excess lengths of cable ties.

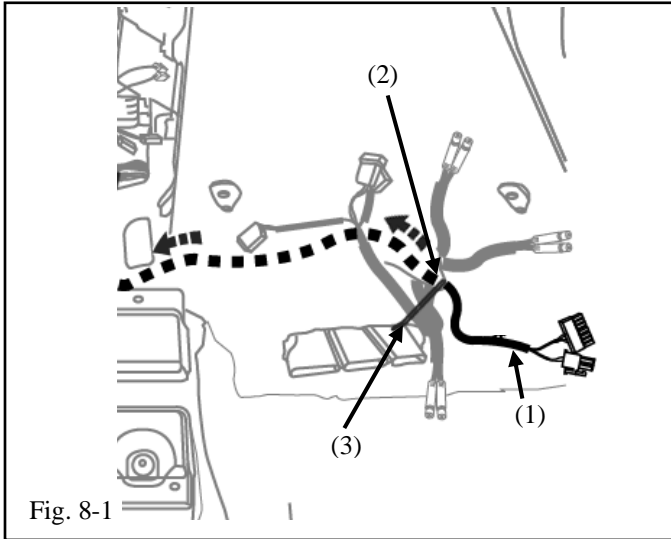


Fig. 8-1

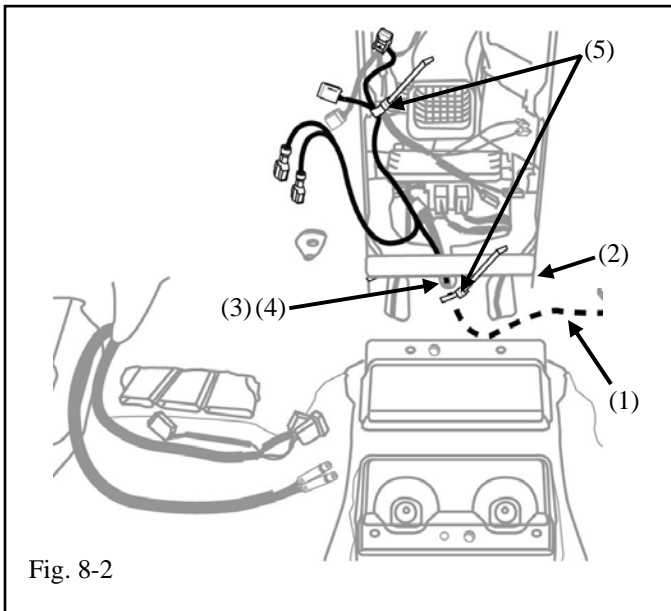


Fig. 8-2

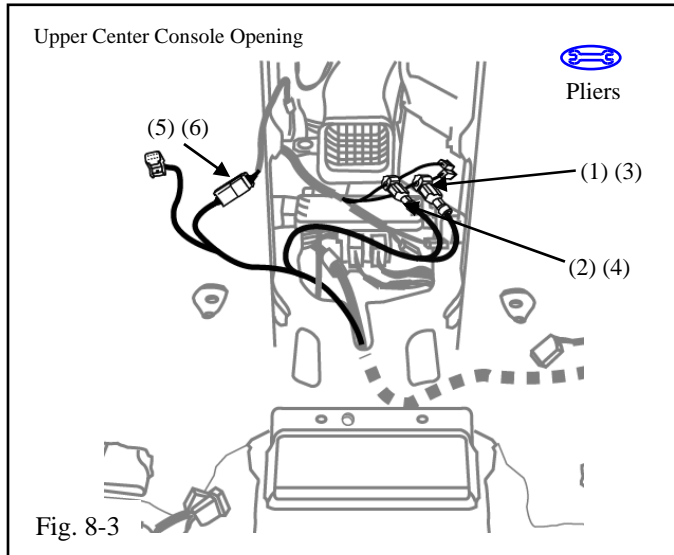
## 8. Installing the Power / Audio Interface Harness

### (a) Routing the Power / Audio Interface Harness

- (1) Route the Power/Audio Interface Harness (1) from the location where AIM Bracket will be installed to the carpet opening (2) under the passenger seat and toward the center console. (Fig. 8-1)
- (2) Secure the Power/Audio Interface Harness (1) to the vehicle harness using one 8" cable tie (3) at the carpet opening (2). (Fig. 8-1)
- (3) Continue routing the Power/Audio Interface Harness (1) under the center console carpet and the bracket (2), under the emergency brake cable (3), and up through the opening of the IP (4). (Fig. 8-2)

**CAUTION:** Be sure to route the wire harness under the emergency brake cable.

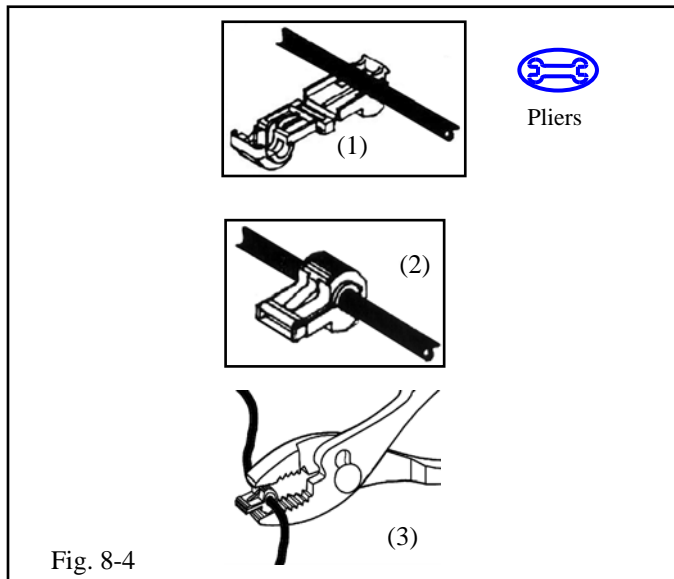
- (4) Secure the Power/Audio Interface Harness (1) using two cable ties (5). (Fig. 8-2)
- (5) Continue routing the Power/Audio Interface Harness connectors to the vehicle power outlet and aux jack connectors. (Fig. 8-3)



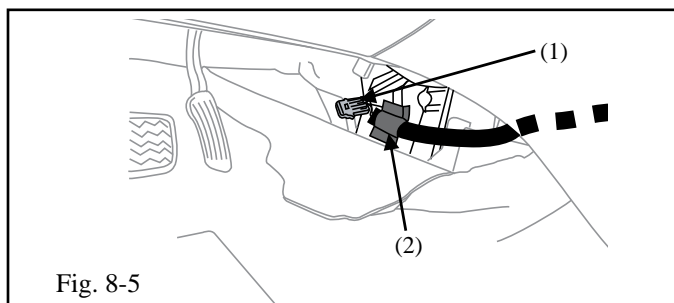
(b) Connecting the Power / Audio Interface

- (1) Locate the 12V Power connector and install one T-Tap connector on the green wire (1) and one T-Tap connector on the white w/ black stripe wire (2). (Fig. 8-3)
- (2) Install the T-Tap connectors. (Fig. 8-4)
  - i. Place wire in open channel (1).
  - ii. Fold connector body until element contacts wire (2).
  - iii. Crimp connector closed with pliers (3).
- (3) Connect the male spade connector with the red wire (3) on the Power/Audio Interface Harness to the T-Tap secured to the vehicle's green wire. (Fig. 8-3)
- (4) Connect the male spade connector with the black wire (4) on the Power/Audio Interface Harness to the T-Tap secured to the vehicle's white w/ black stripe wire. (Fig. 8-3)
- (5) Connect the audio interface connector (5) of the Power/Audio Interface Harness to the vehicles AUX input connector (6). (Fig. 8-3)

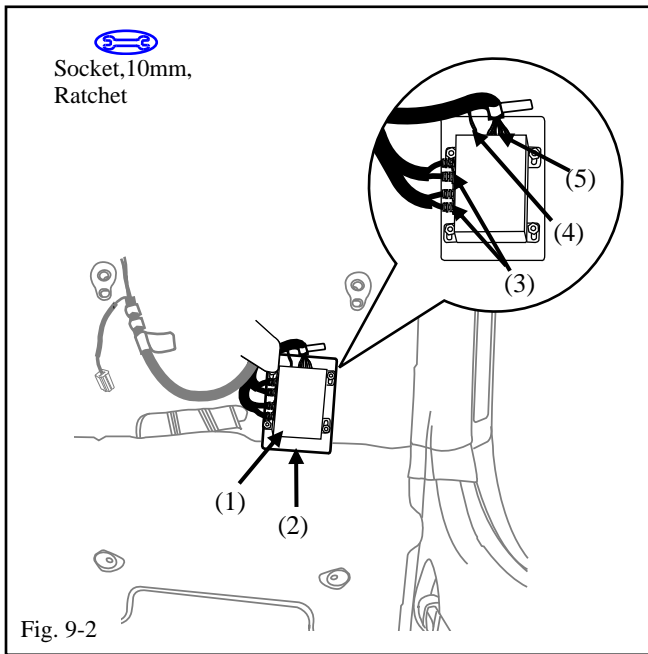
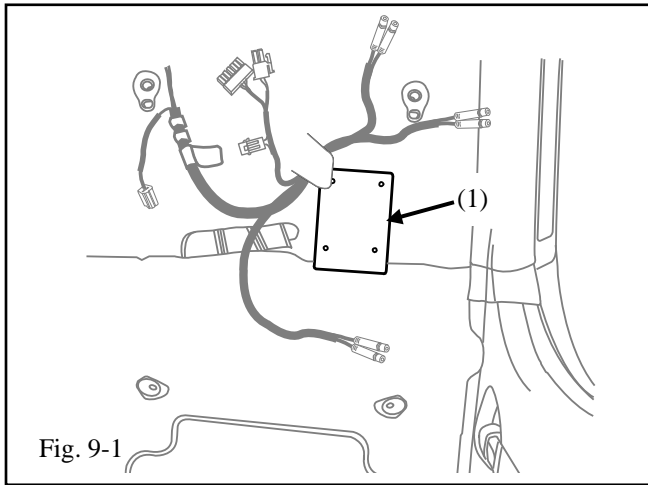
**NOTE:** For Venza vehicles with AUX only configuration proceed to the steps on the next page. For Venza vehicles with AUX/USB configuration, perform the following step.




- (c) Route the fuse holder (1) towards the driver lower front console, behind the vehicle carpet, and secure with one piece of foam tape (2). (Fig.8-5)




**CAUTION:** When reinstalling the center console be sure not to cross harnesses and extension cables.





### 9. Installing the Audio Interface Module (AIM) and Bracket


-  (a) Clean the floor pan of the vehicle with VDC approved cleaner.
- (b) Clean the bracket mounting feet with VDC approved cleaner.


 **NOTE:** All tape mounting surfaces must be completely dry and installation temp must be between 60° - 100° F.


- (c) Place one piece of the thick butyl tape on each foot of the AIM Bracket.
- (d) Remove the protective backing on the butyl tape pieces.


-  (e) Feed the AIM Bracket (1) mounting feet through the carpet cuts in the mounting location and press the AIM Bracket down to the floor pan of the vehicle. (Fig. 9-1)

-  (f) Place the AIM (1) on the AIM Bracket (2) with the four wire harnesses facing the passenger side of the vehicle. Secure the AIM to the AIM Bracket using the four nuts. (Fig. 9-2)

-  (1) Install the four nuts and torque to 12in-lbf (1.4 N-m).

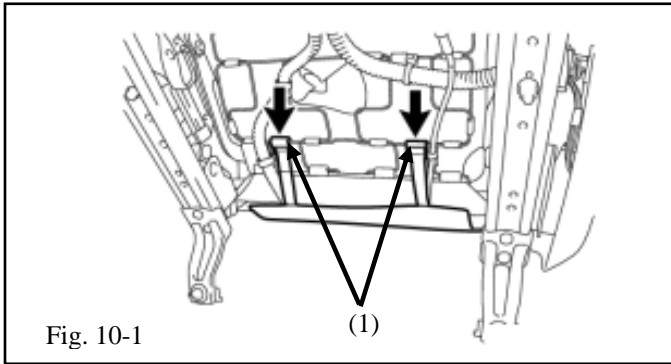
-  (g) Connect the four color coded connectors (3) on the AIM to the four color-coded extension harness connectors. (Fig. 9-2)

 **NOTE:** Do NOT force connectors. Mating connectors are keyed for proper alignment.

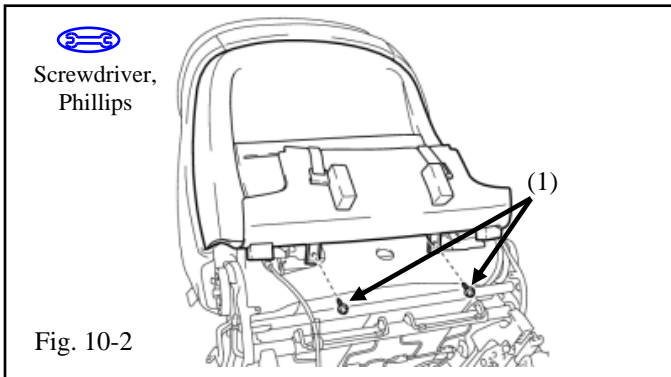
-  (h) Connect the 2-pin power connector (4) and 14-pin audio connector (5) to the AIM. (Fig. 9-2)

10. Passenger Side and Driver Side Seat Preparation

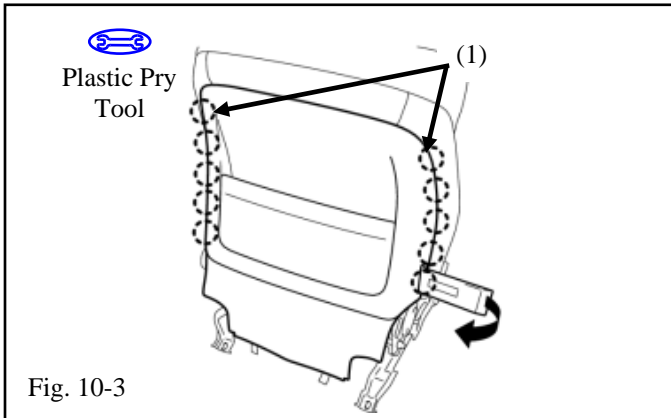
- (a) Undo the protective seat bottom flap by releasing the elastic straps (1) secured under the seat and fold back. (Fig. 10-1)



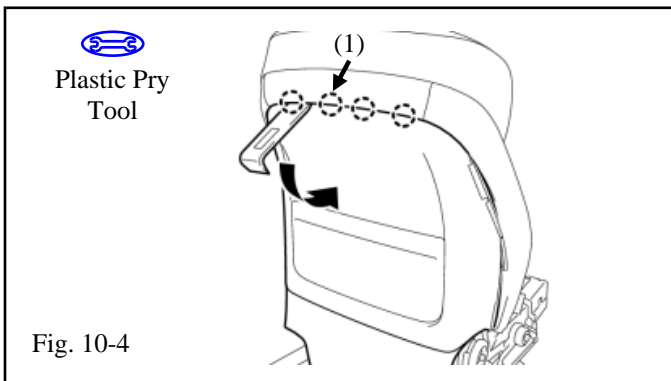
- (b) Remove front seatback board sub-assembly
  - (1) Using a phillips screwdriver, remove the two screws (1) located under the protective seat bottom flap. (Fig. 10-2)

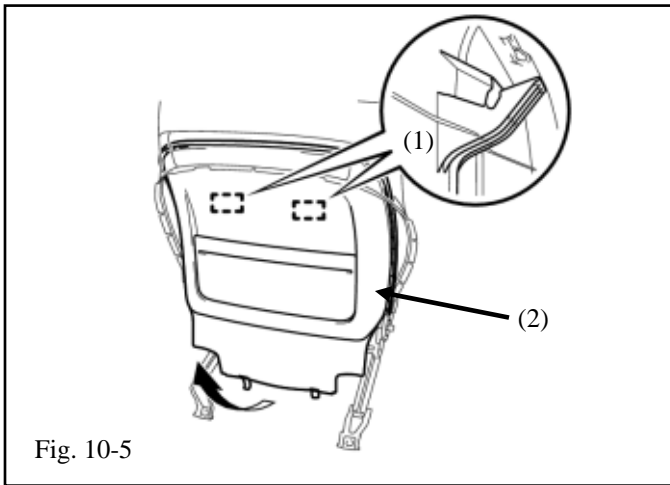


- (2) Using a plastic pry tool, disengage the five claws (1) on either side of the seatback board sub-assembly. (Fig. 10-3)

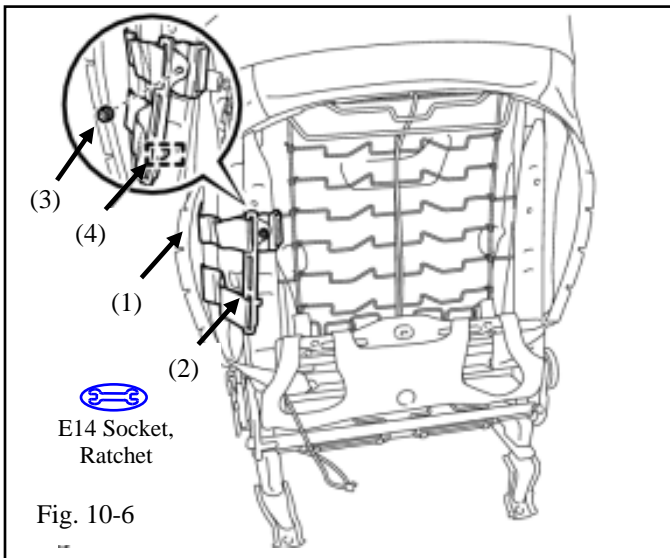


- (3) Using a plastic pry tool, disengage the four claws (1) along the top of the seatback board sub-assembly. (Fig. 10-4)



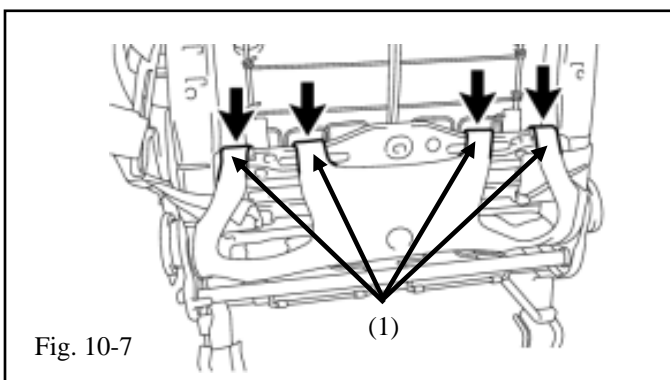


- (4) Disengage the two center guides (1) by pulling the front seatback board sub-assembly (2) outward and remove. (Fig. 10-5)

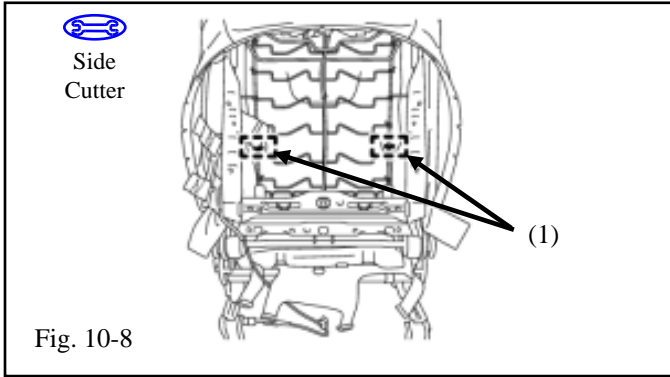


- STOP** (c) Pull the seat cover and foam (1) outward away from the seat frame to expose the Two Section S.I.A.B. strap assembly (2). Remove the acorn nut (3) from the airbag clamp assembly (4). (Fig. 10-6)

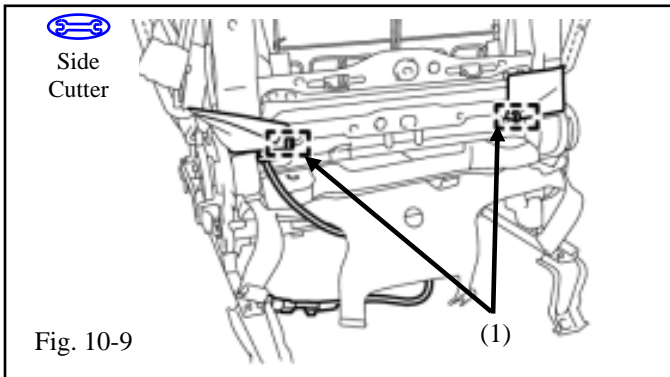
**S** **NOTE:** During vehicle re-assembly, reinstall the S.I.A.B. strap assembly and torque to 49 in-lbf (5.5 N-m).



- STOP** (d) Disengage the four seat bottom material hooks (1). (Fig. 10-7)

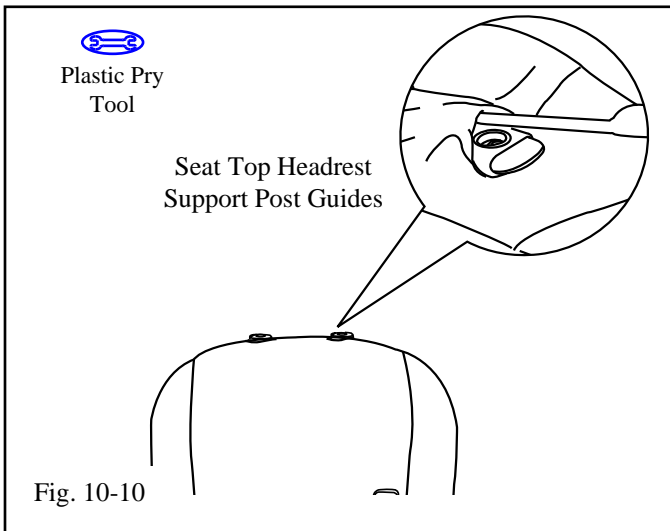


(e) Using a side cutter remove the two hog rings (1) from the side framework of the seat back cover. (Fig. 10-8)



(f) Using a side cutter remove the two hog rings (1) attaching the two seat back cover dog ear flaps at the bottom of the seat. (Fig. 10-9)

(1) Disconnect the seat heater if equipped.

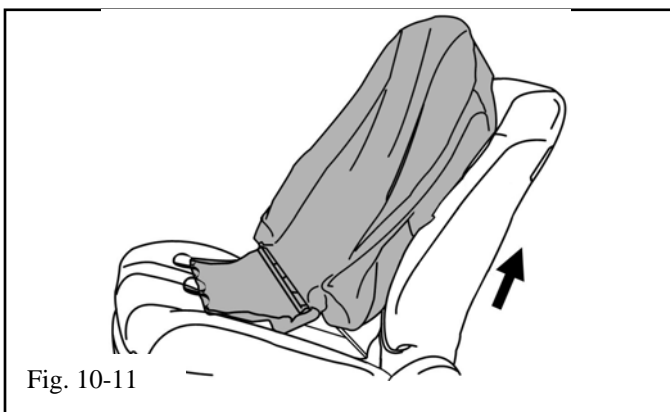


(g) Loosen the seat cover material under the headrest support post guides on each seat.

(1) Insert a plastic pry tool under the seat cover material and seat foam. (Fig. 10-10)

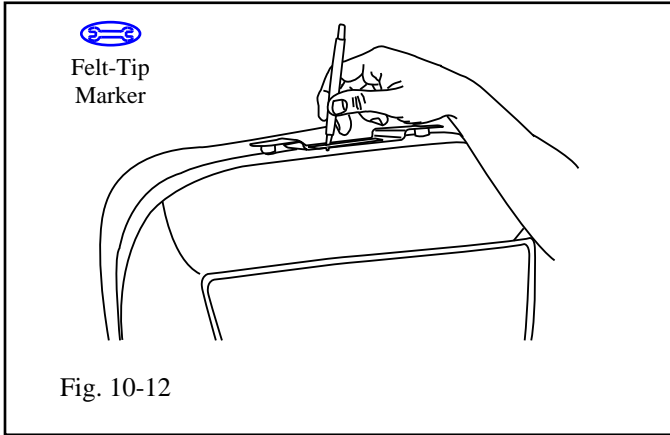


(2) Carefully lift and loosen the cover material and seat foam while rotating the plastic pry tool around the headrest support post guides (Fig. 10-10)



(h) Carefully ease both sides of the seat material upward (turning it inside out) lifting the sides of the seat cover material up over and off of the seat foam completely turning the seat cover material inside out. (Fig. 10-11)



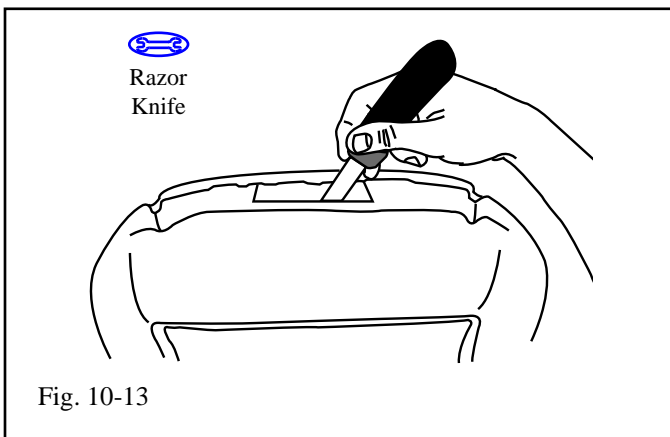


(i) Marking the Foam Seat Structure.

- (1) Install the Seat Top Marking Template, (IADS # HIG11-030-01) into the headrest post guides. (Fig. 10-12)
- (2) Mark the opening in the Seat Top Marking Template with a felt-tip marker. (Fig. 10-12)



**NOTE:** Do NOT cut seat foam.



(j) Foam Removal and Foam Cutting.

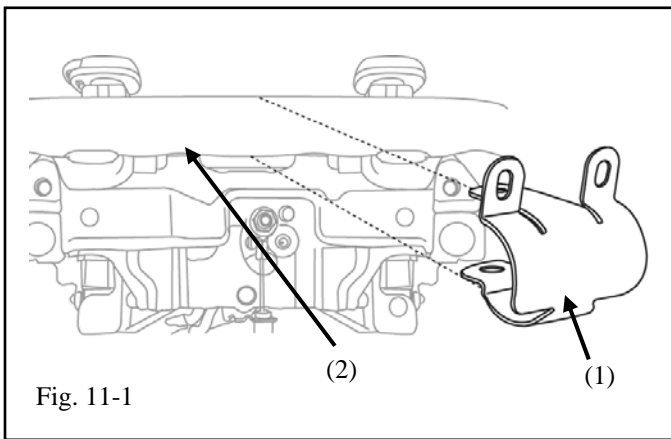
- (1) Spread and lift the seat foam from the back up and off of the seat exposing the seat back framework. (Fig. 10-13)



- (2) Using a razor knife carefully cut the seat foam in the area indicated by the Foam Marking template. (Fig. 10-13)




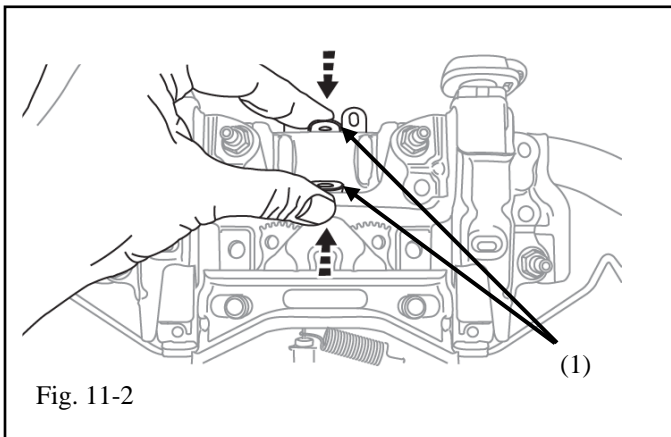
- (3) Remove the excess foam.



### 11. Seat Top Dock Bracket Mounting

The following process is performed for both the driver and passenger seats.

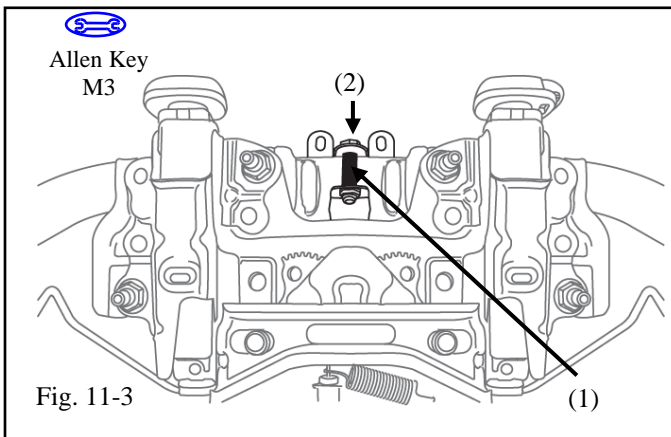
-  (a) Insert Lower Seat Top Dock Bracket (1) over top seat tube (2) from the rear of the seat with the open end facing the front of the vehicle. (Fig. 11-1)



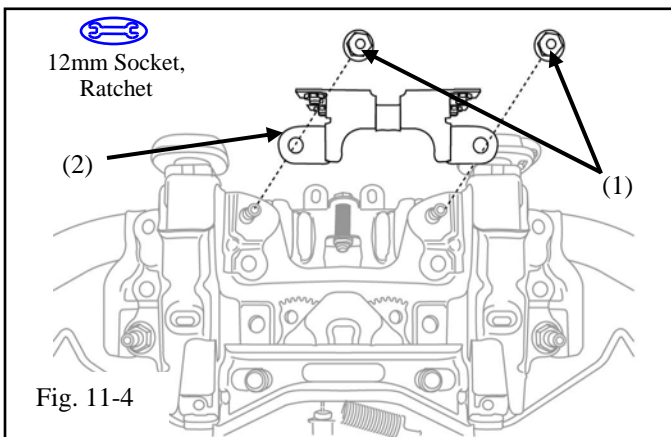
- (b) From the front side of the seat, squeeze the open ends (1) of the Lower Seat Top Dock Bracket to close the gap to fit the spacer included in the hardware kit in next step. (Fig. 11-2)



**CAUTION:** Do not use pliers to squeeze the bracket ends. Using pliers may damage the bracket or PEM nut.



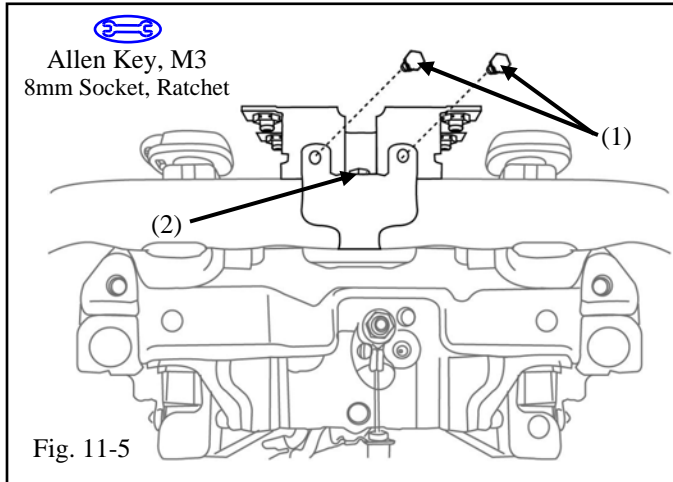
- (c) From the front side of the seat, insert the spacer (1) between the open ends of the Lower Seat Top Dock Bracket. Using an allen key, loosely install the bracket M4 x 28mm screw (2). (Fig. 11-3)



- (d) From the front side of the seat, using a ratchet, remove the two 12mm nuts (1) from active headrest restraint assembly. (Fig. 11-4)
- (e) Using a ratchet, install the Upper Seat Top Dock Bracket (2) onto the two active headrest restraint studs with the two 12mm nuts (1) removed in step (d). (Fig. 11-4)



**NOTE:** When reinstalling the two 12mm nuts, torque to 15 lbf (20 N-m).



- (f) From the rear side of the seat, install two M4 x 8mm screws (1) to fasten the Upper and Lower Seat Top Dock Brackets together. (Fig.11-5)

**S** **NOTE:** When installing the two M4 x 8mm screws, torque to 25 in-lbf (2.8 N-m).

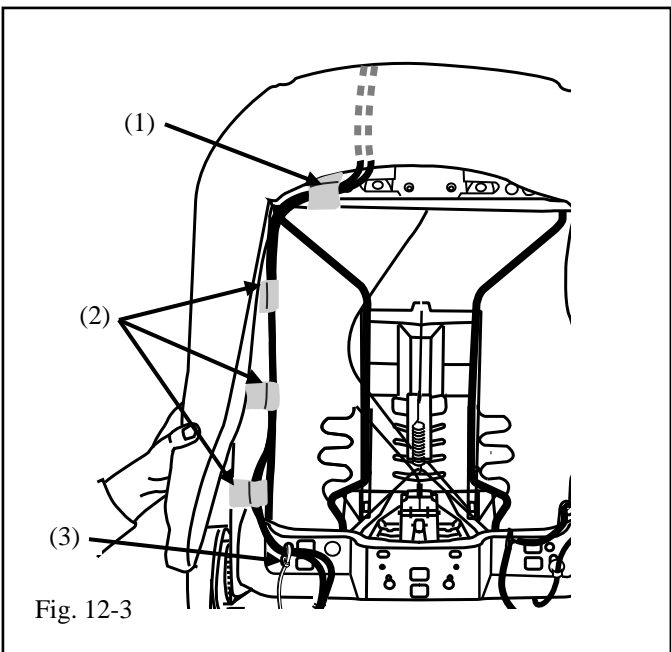
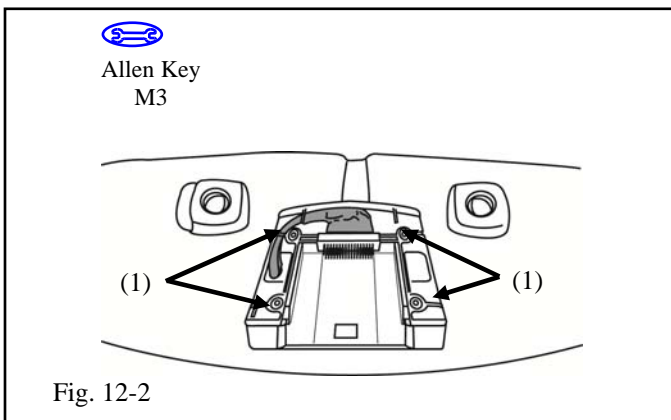
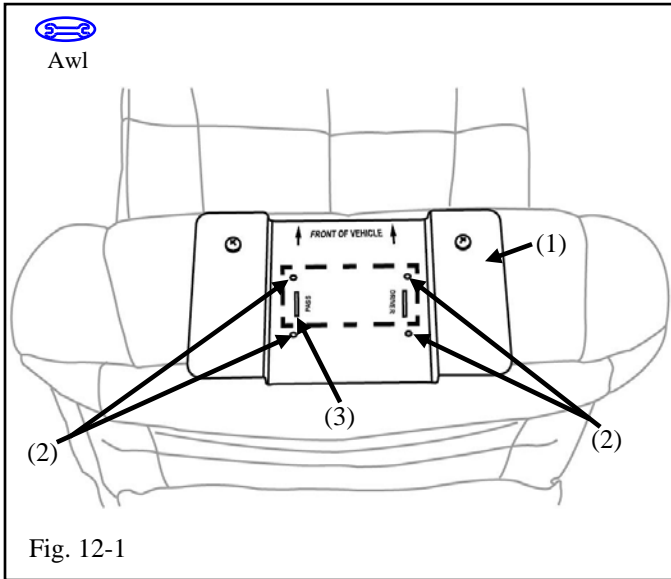
- (g) Using an M3 allen key tighten the bracket screw (2) between the open ends of the Lower Seat Top Dock Bracket. (Fig. 11-5)

**S** **NOTE:** When installing the one M4 x 28mm screw, torque to 25 in-lbf (2.8 N-m).

- STOP** (h) Spread the seat foam and slide it back onto the framework and pull the seat material down.

- STOP** (i) Make sure the seat material is pulled tight over the seat top, use a plastic pry tool to refit the foam and seat material around the headrest support post guides.

12. Seat Top Dock Installation-Passenger Side



(a) Marking the Top of the Seat


- (1) Install the Seat Top Marking Template (1), (IADS # HIG11-030-01) into the headrest post guides. (Fig. 12-1)
- (2) Mark the four circles (2) and the slot marked PASS (3) with a felt tip marker. (Fig. 12-1)
- (3) Remove the template.
- (4) Using an awl, puncture the seat material in each of the four marked areas (2). (Fig. 12-1)

(b) Cutting the Top of the Seat Material

- (1) Using a razor knife carefully cut the seat material in the PASS location.

(c) Route the passenger side seat top dock harness (red and green color coded connectors) from the seat top dock down to the bottom of the seat.


(d) Attach the seat top dock using four M4 x 25mm screws (1). (Fig. 12-2)

 (1) Install the seat top dock screws and torque to 15 in-lbf (1.7N-m).

(e) Snap the plastic top cover on the seat top dock. (Fig. 12-2)

(f) Using one piece of foam tape (1) secure the harness to the seat top framework. (Fig. 12-3)

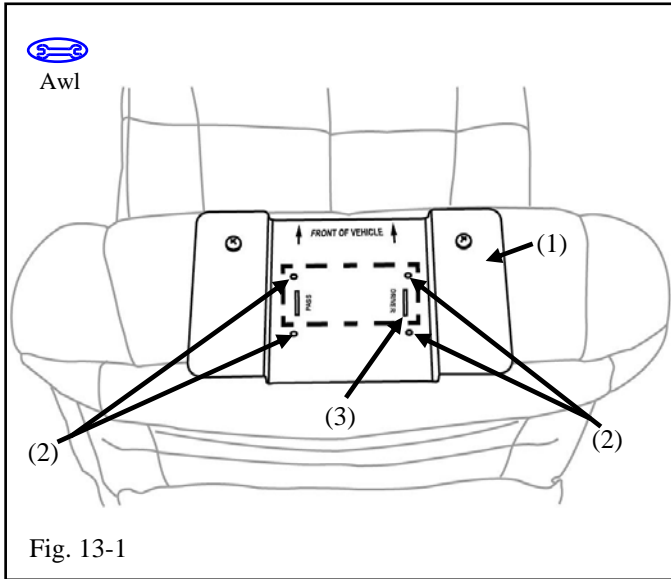
(g) Attach the harness to the seat back side support frame using three more pieces of foam tape (2) and a cable tie (3). (Fig. 12-3)

 **NOTE:** Do NOT attach harness to the Airbag Module.

(h) Re-assemble the passenger seat cover material the remaining 1/2 of the way down the seat.

(i) Cut all excess lengths of cable ties.

13. Seat Top Dock Installation-Driver Side



(a) Marking the Top of the Seat

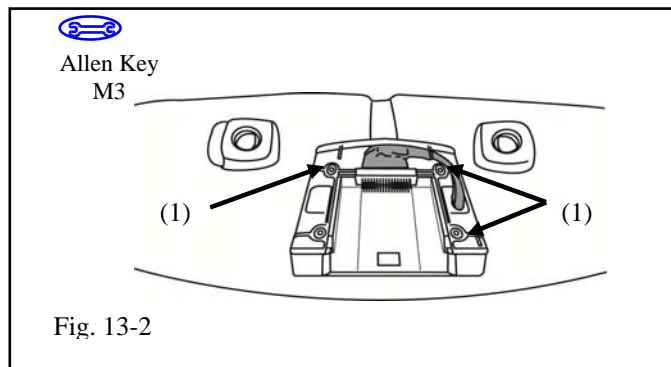
- (1) Install the Seat Top Marking Template (1), (IADS # HIG11-030-01) into the headrest post guides. (Fig. 13-1)
- (2) Mark the four circles (2) and the slot marked DRIVER (3) with a felt tip marker. (Fig. 13-1)
- (3) Remove the template.
- (4) Using an awl, puncture the seat material in each of the four marked areas (2). (Fig. 13-1)

(b) Cutting the Top of the Seat Material

- (1) Using a razor knife carefully cut the seat material in the DRIVER location.

(c) Route the driver side seat top dock harness (blue and yellow color coded connectors) from the seat top dock down to the bottom of the seat.

(d) Attach the seat top dock using four M4 x 25mm screws (1). Fig. 13-2



- (1) Install the seat top dock screws and torque to 15 in-lbf (1.7 N-m).

(e) Snap the plastic top cover on the seat top dock. (Fig. 13-2)

(f) Using one piece of foam tape (1) secure the harness to the seat top framework. (Fig. 13-3)

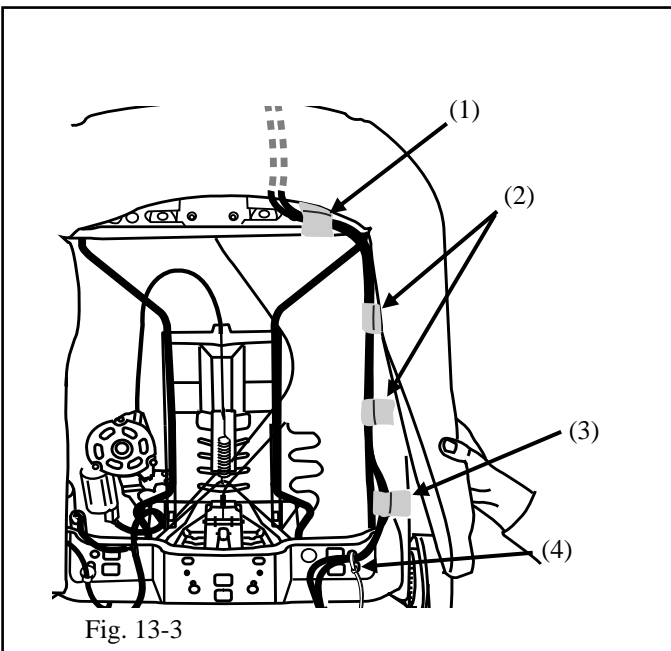
(g) Attach the harness to the seat back side support frame using three more pieces of foam tape (2) and a cable tie (3). (Fig. 13-3)

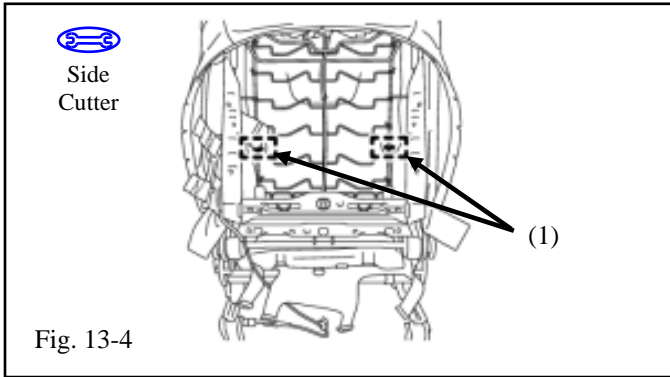


**NOTE:** Do NOT attach harness to the Airbag Module.

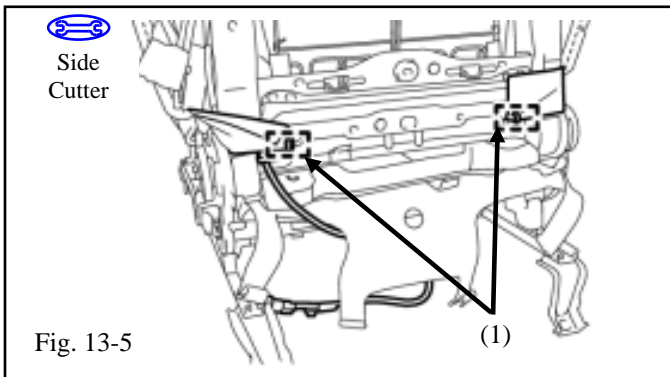
(h) Re-assemble the driver seat cover material the remaining 1/2 of the way down the seat.

(i) Cut all excess lengths of cable ties.





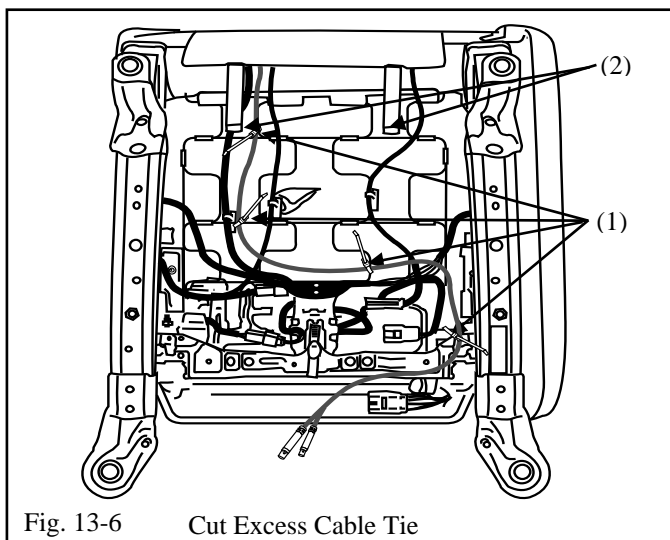
- (j) Using a hog ring tool reinstall the two hog rings (1) to the side framework of the seat back cover. (Fig. 13-4)



- (k) Using a hog ring tool reinstall the two hog rings (1) attaching the two seat back cover dog ear flaps at the bottom of the seat. (Fig. 13-5)

- (l) Turn over the seats, exposing the wire harnesses routed on the bottom side.

- (m) Continue routing the cables under and toward the front of the seat, use four 8" cable ties (1) to attach the cables to the underside of each seat. (Fig. 13-6)



- (n) Reattach protective seat bottom flap (2). (Fig. 13-6)

- (o) Reinstall the passenger side and driver side seats to the vehicle.

- (1) Return the passenger seat to the vehicle and connect the red and green seat cable to the red and green connectors on the extension cable.

- (2) Connect all other seat connectors.



- (3) During vehicle re-assembly, reinstall the front and back seat anchor bolts and torque to 27 ft-lbf (37 N-m).

- (4) Return the driver seat to the vehicle and connect the blue and yellow seat cable to the blue and yellow connectors on the extension cable.

- (5) Connect all other seat connectors



- (6) During vehicle re-assembly, reinstall the front and back seat anchor bolts and torque to 27 ft-lbf (37 N-m).

#### 14. In Process Functional Test

- (a) Temporarily reconnect battery negative cable.
- (b) Install a Seat Top DVD Electronics Unit into each seat top dock.
  - (1) Verify that both locks on the pivoting arm of the Seat Top DVD Electronics are engaged.
- (c) Turn ignition key to ACC position.
- (d) Press the power button on each of the DVD players. Verify the backlighting illuminates displaying the TOYOTA Splash Screen.
- (e) Insert a DVD into each of the DVD players. Verify that the DVD players accept the discs.



**NOTE:** The Remote Control is a dual function remote control that can control each Seat Top DVD Assembly independently. Press the “M1” button to code the remote control to control the Passenger Side Seat Top DVD Assembly. Press the “M2” button to code the remote control to control the Driver Side Seat Top DVD Assembly.

- (f) Press the play button on the remote control. Verify that the DVD video is displayed on each of the LCD monitors.







**NOTE:** On the wireless headphones, the 1-2 switch allows the user to select the audio from either the Passenger Side (CH 1) or the Driver Side (CH 2). When sitting in front of the passenger side screen, use the CH 1 switch setting. When sitting in front of the driver side screen, use the CH 2 switch setting.



- (g) Using the test wireless headphones, verify that audio from each of the DVD players can be heard through the headphones and with the correct channel settings.
- (h) Press the power button on the head unit and verify that the radio turns on.
- (i) Press the AUX button on the head unit and verify that the audio is heard from the DVD playing on the Passenger Side DVD.

- (1) Fully adjust the Audio Balance to the Passenger side of the vehicle and verify that the audio is heard.
- (2) Fully adjust the audio balance to the Driver side of the vehicle and verify that the audio is heard.
- (j) Disconnect negative battery terminal.
- (k) Reassemble the vehicle interior components and trim

**15. Final Preparation**

-  (a) Place the owner’s manual in the glove box.
-  (b) Place the remote control in the glove box.
-  (c) Place the headphones in the rear cargo area.
-  (d) Reconnect negative battery terminal and tighten nut to 36 lbf-in (4.1 N-m).
- (e) Temporarily install short pin.
- (f) Perform the seat occupancy re-calibration procedure.
- (g) Re-initialize windows and doors.
- (h) Re-install the seat plastic protective covers on the driver and passenger seats.

**16. Airbag Diagnostic Check**

-  (a) Connect the Techstream to the vehicle’s diagnostic connector.
- (b) Turn the ignition switch to the ON position.
-  (c) Check for Airbag ECU Trouble codes – if present then clear the DTC’s

**NOTE:** Check for the latest version of the software on Toyota Information System (TIS) before setting up the Techstream.

**NOTE:** Download the latest software from Toyota Information System (TIS).



### 17. Zero Point Calibration & Sensitivity Check

1. Connect the Techstream connector to the vehicle's diagnostic connector in the lower dash area.
  - i. Turn ignition switch to ON position.
  - ii. Check for Airbag ECU trouble codes – if present then clear the DTCs.
  - iii. Refer to hand held scan tool tester operator's manual for further details.
  - iv. Perform the Occupancy Classification Zero Point Calibration and Sensitivity checks as described in the vehicle repair.



**NOTE:** Check for the latest version of the software on Toyota Information System (TIS) before setting up the Techstream.



**NOTE:** Ensure the software is the latest version.

2. Reset the power windows.
  - i. Turn ignition key to ON position.
  - ii. Push down the power window switches of each door, and lower the windows halfway.
  - iii. Pull up the switches until the windows close and hold switches up for a further one (1) second (minimum.)
3. Reset the power moon roof.
  - i. Push and hold moon roof switch to close side until moon roof closes. Hold for a further two (2) seconds.
4. Clean up and remove any trash.



Section III – Functional Verifications  
Check: \_\_\_\_\_

Accessory Function Checks

**Turn the ignition key to the ACC or Run position and turn the vehicle radio ON.**

- Press the power button on each of the DVD players.
  
- Insert a DVD into each of the DVD players.
- Press the play button on remote control.
  
- Press the Power button and the AUX button on the radio.
- Balance adjust
  
- Press and release the power button on the test wireless headphones to turn them on.
- Press the STOP button on the remote control.
- Press the EJECT button on each of the DVD players.
- Check all switches on the lower center I.P.

**Turn the vehicle radio OFF and turn the ignition key to the OFF position.**

Vehicle Function Checks

- Air Conditioner
- Fan
- Radio Back Light
- Emergency Flashers
- Check all switches on the lower center I.P.
- Diagnostic Codes – using Handheld Scan Tool
  
- Seat bolt confirmations
- AUX-ACCY Power Socket
- Cigarette Lighter

Look For: \_\_\_\_\_

Verify the backlighting illuminates and displays the TOYOTA Logo on both monitors.

Verify that the DVD accepts the discs on both monitors.

Verify that DVD video is displayed on both LCD monitors.

Verify that audio from the Passenger and Driver Side DVD can be heard through the vehicle speakers (with a disk in each monitor respectively). To hear audio from the Driver Side monitor you must first choose the m2 source on the Passenger Side monitor.

Adjust the Audio Balance to the Passenger and Driver sides of the vehicle and verify that the audio is heard.

Verify that audio from the DVD can be heard through the headphones.

Verify that DVD discs stop playing.

Verify that DVD players eject the discs properly.

Verify that all switches function properly.

Functioning Air Conditioner.

Functioning Fan.

Functioning Radio Back Light.

Functioning Emergency Flashers.

Verify that all switches function properly.

Confirm that no diagnostic trouble codes are present.

Confirm torque range 24-30 ft-lbf.

Verify that AUX-ACCY functions properly.

Verify that Cigarette Lighter functions properly.