

## IMPORTANT UPDATE

# TECHNICAL INSTRUCTIONS FOR SAFETY RECALL G04 PHASE 1 POWER SLIDING DOOR

**CERTAIN 2015-2016 Sienna**  
(2011-2014 Phase 1 models detailed in separate TI)

**UPDATED JANUARY 11, 2018**

Updated January 11, 2018

- This TI is updated to include directions for Phase 1 Mobility vehicles
- This TI is updated to add the part #'s for door harness boxes

The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this recall are required to successfully complete the most current version of the E-Learning course "Safety Recall and Service Campaign Essentials". To ensure that all vehicles have the repair performed correctly; technicians performing this recall repair are required to currently hold at least one of the following certification levels:

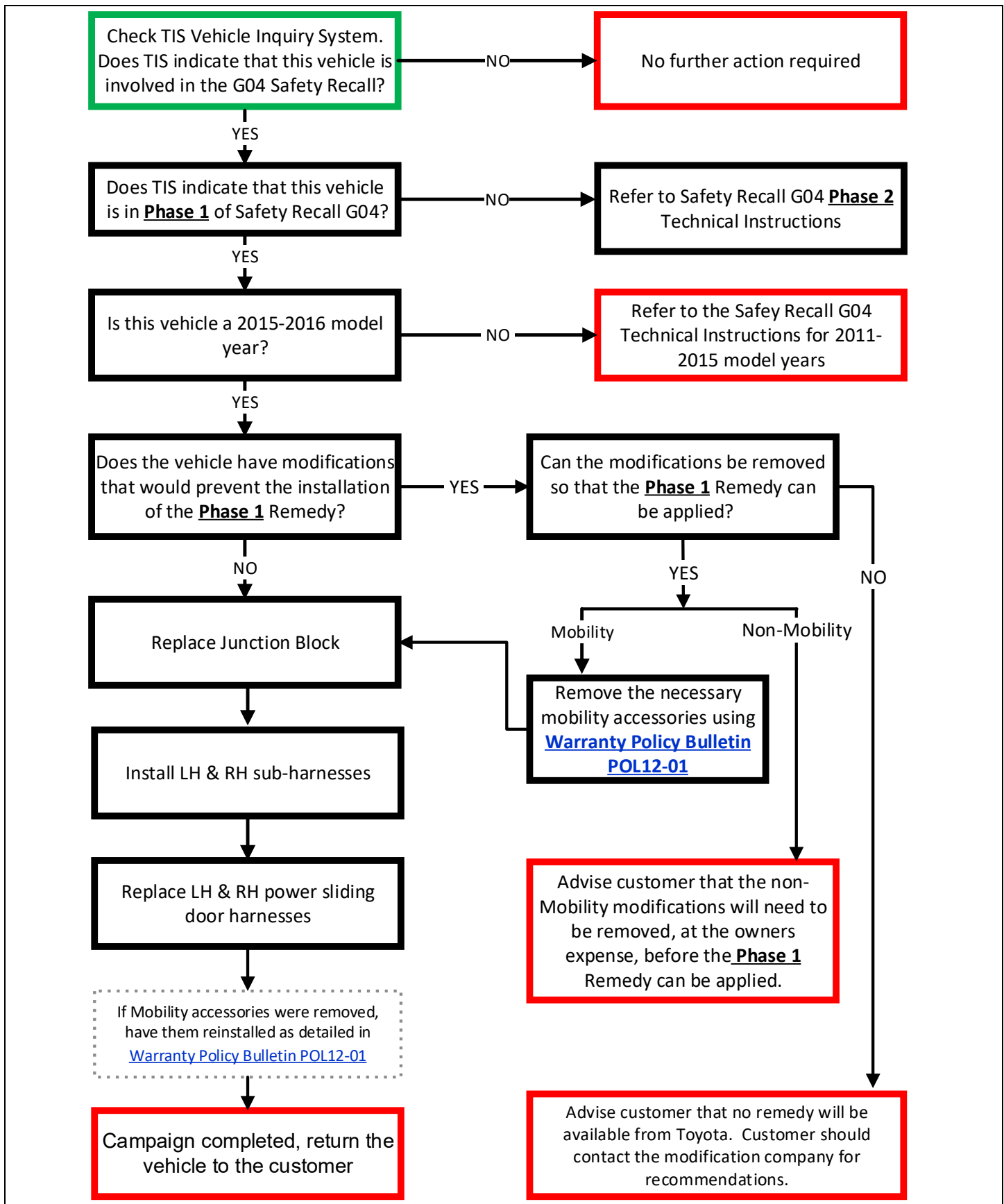
- Certified Technician (Electrical)
- Expert Technician (Electrical)
- Master Technician
- Master Diagnostic Technician

Additionally, technicians performing this recall repair are also required to complete the following instructor led course:

- SRG04 Sienna Sliding Door

It is the dealership's responsibility to select technicians with the above certification level or greater to perform this recall repair. Carefully review your resources, the technician skill level, and ability before assigning technicians to this repair. It is important to consider technician days off and vacation schedules to ensure there are properly trained technicians available to perform this repair at all times.

## I. OPERATION FLOW CHART



## II. IDENTIFICATION OF AFFECTED VEHICLES

- Check the TIS Vehicle Inquiry System to confirm the VIN is involved in Phase 1 of Safety Recall G04, and that the Campaign has not already been completed prior to dealer shipment or by another dealer.
- TMS warranty will not reimburse dealers for repairs completed on vehicles that are not affected or were completed by another dealer.
- This TI details the repair procedures for Phase 1 2015-2016 vehicles. Please note that there is a separate set of Technical Instructions for the 2011-2014 model years, and separate instructions for Phase 2 vehicles

## III. PREPARATION

### A. PARTS

This campaign will require a parts kit for the appropriate model year, and a wire harness for each of the sliding doors. The 2015-2016 models will NOT require a label sheet to update the fuse information in the Owner's Manual. Due to the many variances in the door wire harnesses, a website has been set up to assist in correctly ordering parts for this Recall.

Parts Lookup website: <https://Toyota-g04-parts-lookup.imagespm.info>

Part Number	Part Description (2015-2016)	Quantity
04007-03108	G04 parts kit (2015-2016)*	1
(from website)	RH Door Wire Harness	1
(from website)	LH Door Wire Harness	1

\*The kit above includes the following parts:

Part Number	Part Description	Quantity
8216A-08010	Floor Wire #7	1
8216C-08010	Floor Wire #9	1
82730-08130	Drivers Side Junction Block	1
58521-08021	Floor Carpet Hook	6
82711-08220	Wire Harness Clamp (zip tie)	17

Note: Warranty will only allow campaign part kits on the claim. Do not order parts individually.

Part Number	Parts NOT required	Quantity
90980-12820	Connector 2D replacement if damaged	Only as needed
90980-12821	Black locking handle for Connector 2D if damaged	Only as needed
90980-12826	Connector 2H replacement if damaged	Only as needed
90980-12782	Black locking handle for Connector 2H if damaged	Only as needed

**Note:** These connector housings are offered as replacement parts only if the original connector housings are damaged and unusable. The cost associated with replacing these connector housings is not covered by this Recall.

## B. TOOLS & EQUIPMENT

- Techstream
- Standard Hand Tools
- Torque Wrench

SST – Special Service Tools required for this repair:

Part Number	Tool Name	Quantity
Recall Tool 1-114	Terminal Removal Tool 1.5mm	1
Recall Tool 1-78	Terminal Removal Tool 0.64 mm	1
SST 00002-09077-01	Seat Calibration Weight 22 lbs	3

## C. MATERIALS

- Electrical Tape

## IV. BACKGROUND

In the involved vehicles, there is a possibility that under certain limited conditions, if the sliding door opening operation is impeded, the sliding door motor circuit could be overloaded, opening the fuse for the motor. If this occurs when the door latch is in an unlatched position, the door could open while driving, increasing the risk of injury to a vehicle occupant.

## V. PROCEDURE FOR MOBILITY VEHICLES

The following Safety Recall G04 Phase 1 Technical Instructions have been designed for unmodified Toyota Sienna's. The installation of the necessary parts for this remedy requires access to the many areas of the vehicle. Since mobility vehicles can be extensively modified in these same areas, installation of the Safety Recall G04 components may not be possible. Before proceeding with updates to any mobility vehicle, read the following notes to determine if each mobility vehicle is a candidate for this procedure.

### **Phase 1 Vehicles Requirements:**

Phase 1 vehicles having Mobility equipment installed need to be reviewed on a case by case basis to determine eligibility for this repair. The following conditions must be met:

#### **Requirements for the installation of Phase 1 Remedy:**

- Sub-harness #7 & #9 must be routed as indicated.
- The floorboards of the vehicle must be unmodified in the areas the sub-harness will be routed.
- The driver and front passenger seat must be removed.
- Door sill and B-pillar trim covers must be removed for sub-harness installation.
- LH lower dash needs to be removed for Junction Block replacement.
- The carpet needs to be folded back as indicated.
- Both sliding door panels need to be removed.
- Both sliding door wire harnesses need to be replaced.
- No modifications to the Junction Block, wire sub-harnesses, and door harnesses are allowed.



**If any of the above requirements cannot be met, this vehicle will not be eligible to receive a Safety Recall G04 Phase 1 Remedy repair. Advise the customer to contact the company that modified their vehicle for recommendations.**

### **Removing Mobility Accessories on Phase 1 Vehicles:**

There will be vehicles that meet the above requirements but have mobility accessories installed, such as hand controls, that prevent the necessary disassembly to complete the installation of the remedy repair. In this case, the dealer will sublet the removal of the necessary mobility equipment to an authorized Mobility Service Center. If you are in doubt about the serviceability of a mobility accessory, contact the customer and a mobility service center for recommendations.

It is critical that **ONLY properly trained Mobility technicians remove, install and calibrate Mobility accessories. Toyota dealership technicians are not authorized to service Mobility systems.** The owner of the vehicle should be able to assist in contacting a Mobility service center that is trained to remove and install these systems. If not, try to identify the brand of the accessory(s) that needs to be removed and search the internet for an authorized Mobility service center.

Warranty [Policy Bulletin POL12-01](#) will provide details on how to submit a Warranty Claim for the sublet of removal and installation of Mobility accessories

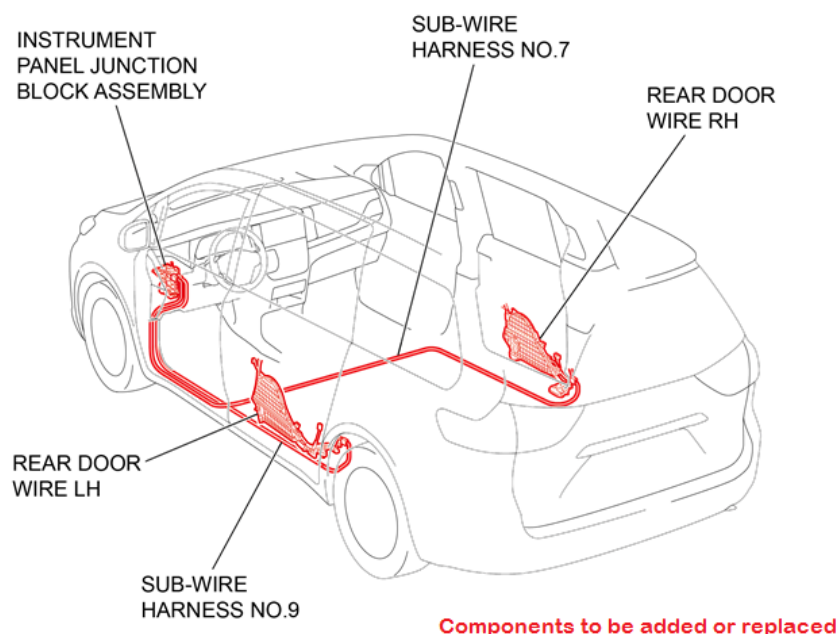
### **Phase 2 Vehicles:**

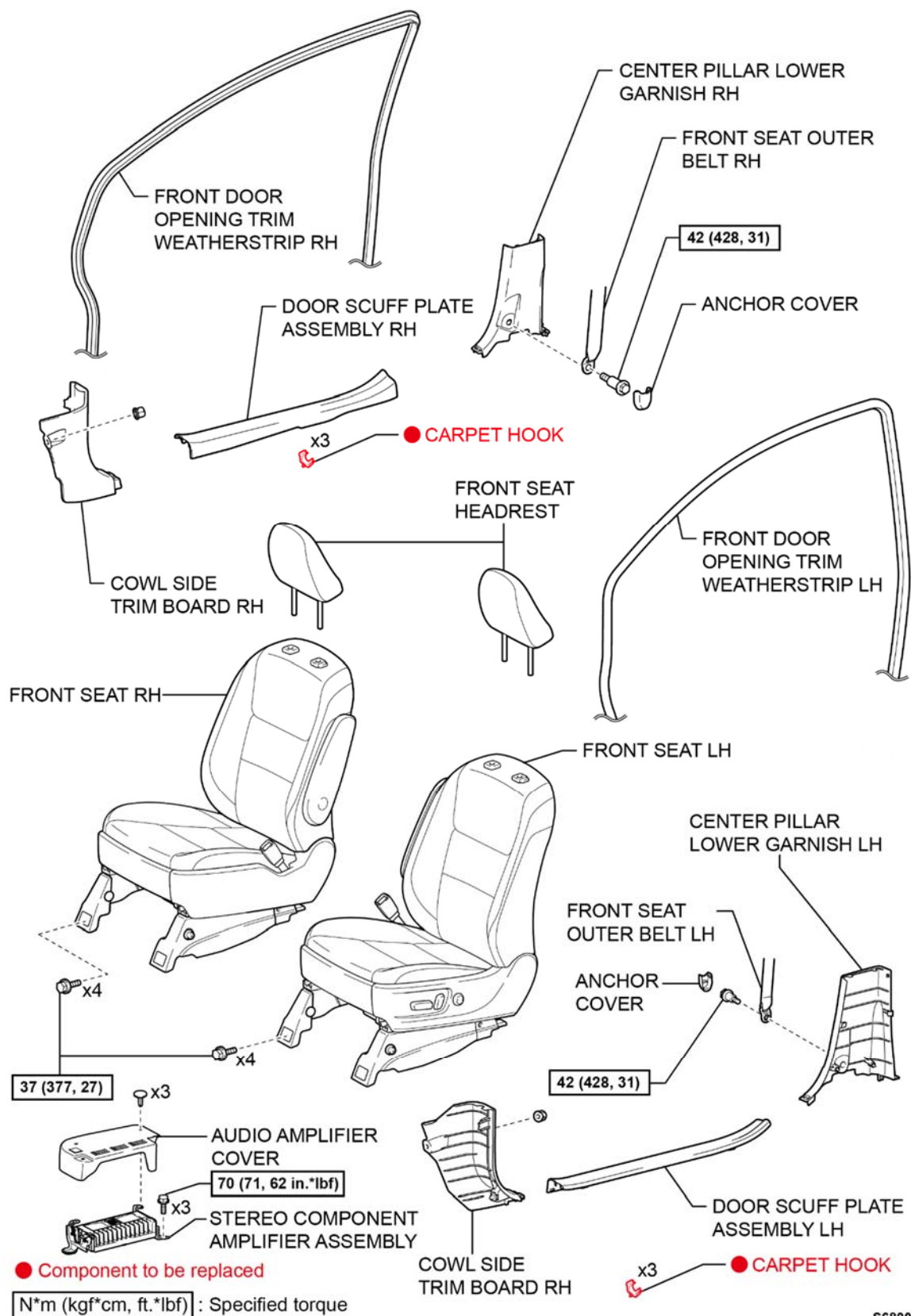
Toyota has partnered with **BraunAbility, Vantage Mobility International, and Eldorado National** to support the mobility market. These Toyota approved vehicles will be indicated as PHASE 2 in the TIS Service Campaign Designation. Reference Safety Recall G04 Phase 2 Technical Instructions for these vehicles. All other vehicles will be indicated as Phase 1, including Mobility vehicles built by other companies and will only be eligible for the Phase 1 repair.



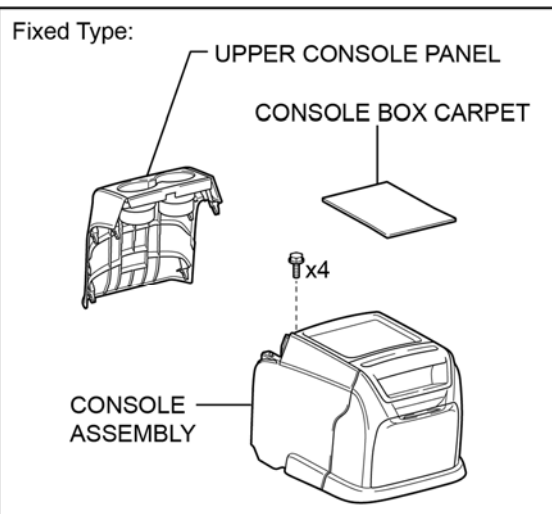
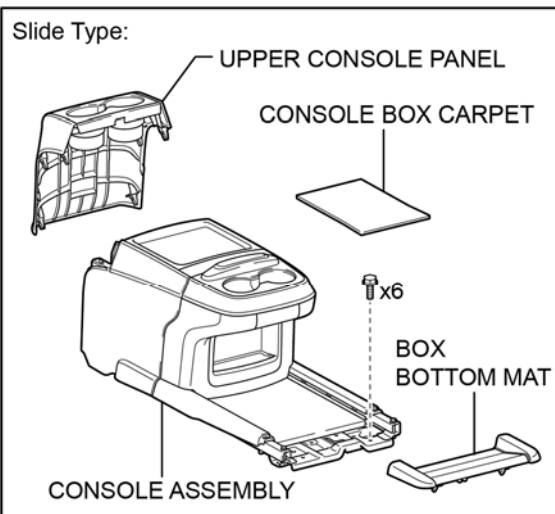
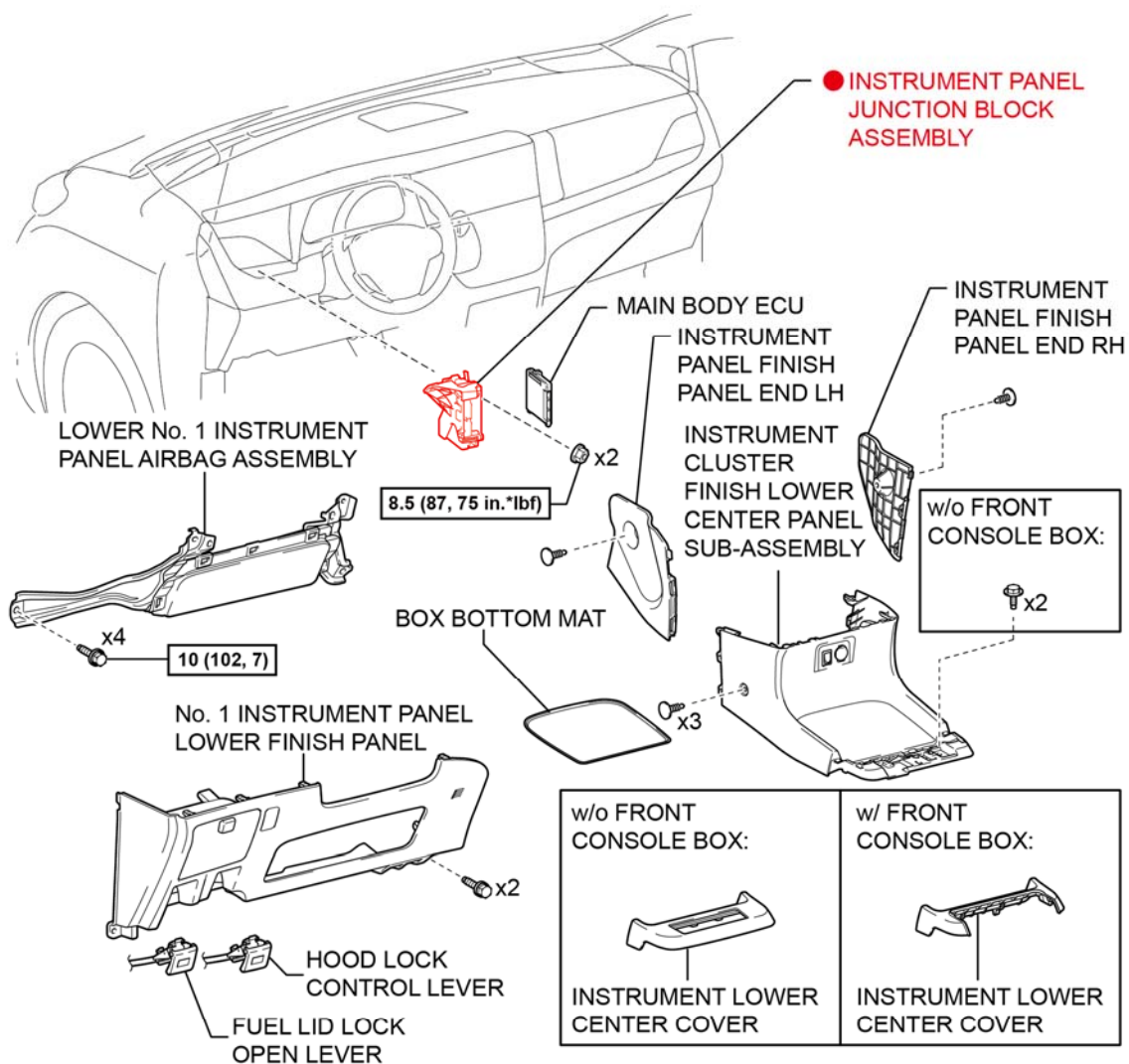
**DO NOT perform the G04 Phase 2 repair on Phase 1 vehicles. The Phase 2 repair will only apply to vehicles that are indicated as Phase 2 in the TIS Service Campaign designation.**

## **VI. COMPONENTS**





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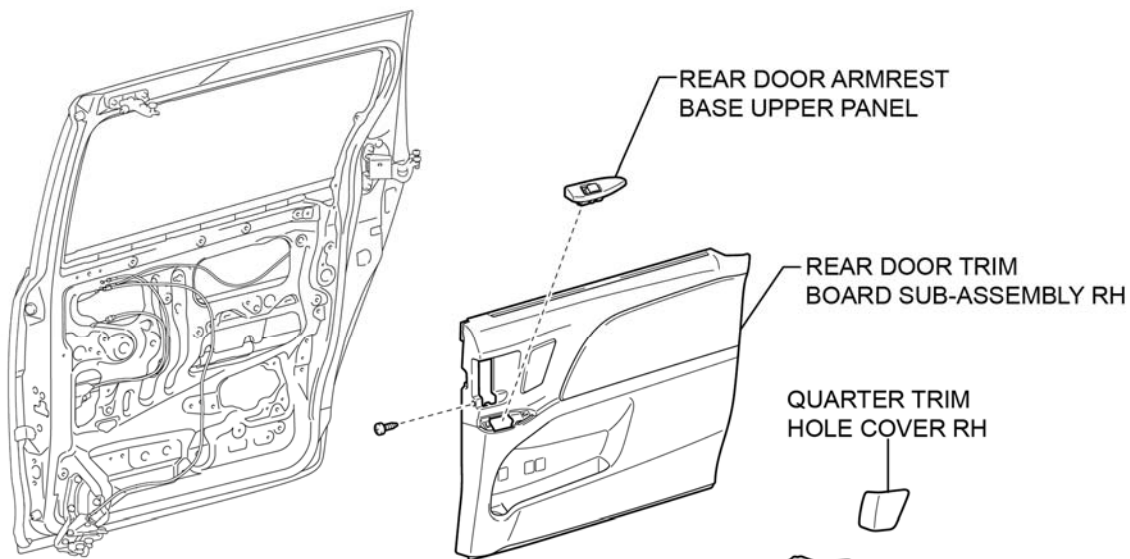


● Component to be replaced

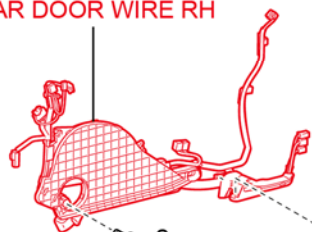
N\*m (kgf\*cm, ft.\*lbf) : Specified torque

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● REAR DOOR WIRE RH



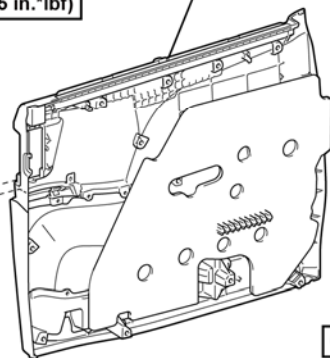
x2

6.2 (63, 55 in.\*lbf)

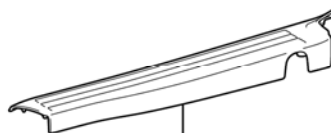
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REAR DOOR TRIM  
BOARD SUB-ASSEMBLY LH

REAR DOOR  
ARMREST BASE  
UPPER PANEL



REAR DOOR  
SCUFF PLATE LH



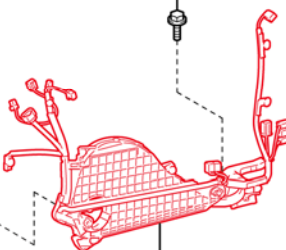
QUARTER TRIM  
HOLE COVER LH



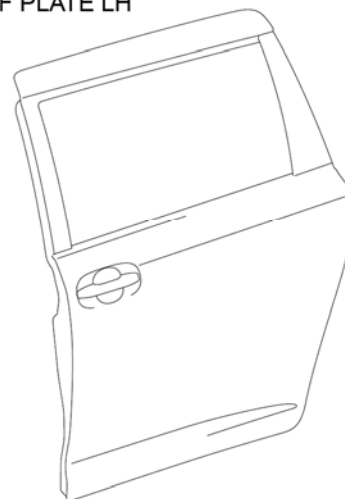
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6.2 (63, 55 in.\*lbf)

x2



● REAR DOOR WIRE LH



● Component to be replaced

N\*m (kgf\*cm, ft.\*lbf) : Specified torque

S68003bS



## VII. SAFETY PRECAUTIONS

### 1. PRECAUTION FOR HANDLING SRS SYSTEM

- (a) Failure to carry out service operations in the correct sequence could cause the SRS to unexpectedly deploy during servicing, possibly leading to a serious accident. Furthermore, if a mistake is made when servicing the SRS, it is possible that the SRS may fail to operate when required. Before servicing (including removal or installation of parts, inspection or replacement), be sure to read the following items carefully, then follow the procedures exactly as indicated in the repair manual.

### 2. PRECAUTION FOR DISCONNECTING CABLE FROM NEGATIVE BATTERY TERMINAL

- (a) As SRS malfunctions are difficult to confirm, the Diagnostic Trouble Codes (DTCs) become the most important source of information when troubleshooting. When troubleshooting the SRS, always check for DTCs before disconnecting the battery.
- (b) Work must be started at least 90 seconds after the ignition switch is turned off and the cable is disconnected from the negative (-) battery terminal.

#### CAUTION:

- a) The SRS is equipped with a back-up power source. If work is started within 90 seconds after disconnecting the cable from the negative (-) battery terminal, the SRS may deploy.
- b) Never use a back-up power source (battery or other) to avoid clearing the system memory. The back-up power source may inadvertently power the SRS and cause it to deploy.
- (c) When the cable is disconnected from the negative (-) battery terminal, the memory of various systems will be cleared. Because of this, be sure to make a record of the contents memorized in each system before starting work. When work is finished, adjust each system to its previous state.

## VIII. INSPECTION

### 1. VERIFY VEHICLE APPLICABILITY

- a. Using TIS, check for vehicle applicability. It is critical that this vehicle is indicated as “involved in Phase 1 of Safety Recall G04”, as noted in the Memo field of the Service Campaign information. If the Memo indicates Phase 2, refer to the separate Technical Instruction for Phase 2 vehicles.



### 2. INSPECT VEHICLE

- a) Perform a Health Check on the vehicle to determine any current issues with the vehicle.
- b) Check the power sliding operation of both rear doors.
- c) Check the power window operation of the rear doors.
- d) Check the door lock operation of the rear doors.

**Note:** This Recall only covers the addition of sub-harnesses for the power sliding rear doors. Any condition found during these inspections should be corrected before proceeding with this Recall. Any repair that is not detailed in these Technical Instructions will not be paid by this Safety Recall.

## IX. INTERIOR DISASSEMBLY



1. **REMOVE FRONT SEATS LH & RH** (complete each step for both seats before moving to next step)



**DO NOT disconnect the SRS (yellow) connectors before disabling the 12v battery.**

- a) Remove the floor mats.
- b) Move seat sliders to the forward position.
- c) Tilt the seatbacks fully forward
- d) Using a small screwdriver through the access slot, open the access covers for the seat track rear bolts. The covers are hinged on the opposite side, so only pry from the access slot side.
- e) Remove the seat track rear bolts.
- f) Close the rear access covers to prevent damage.
- g) Move the seats to the most rearward position.

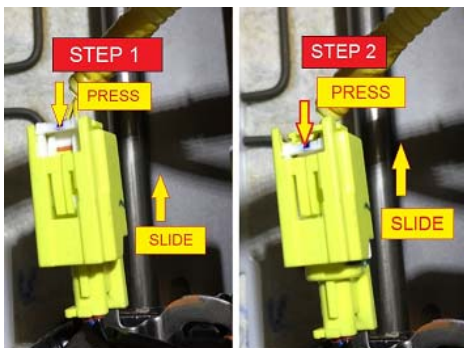


- h) Open the access covers for the seat track front bolts.
- i) Remove the seat track front bolts.
- j) Close the front access covers to prevent damage.
- k) **DISCONNECT THE 12V BATTERY**



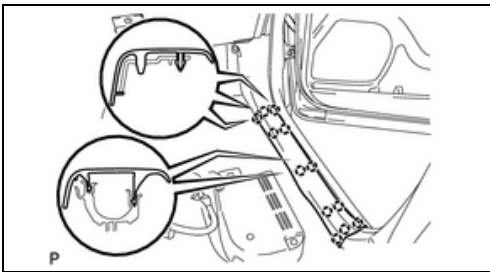
**Wait at least 90 seconds after disconnecting the battery before proceeding to unplug an SRS component.**

### SEAT AIRBAG CONNECTOR REMOVAL



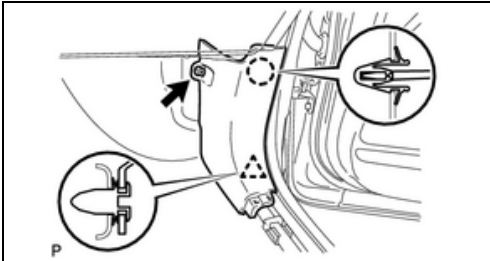
- l) Lean the seats rearward and disconnect the electrical connectors on the bottom of the seat.  
**Note:** The yellow seat airbag connectors are removed in two steps, as detailed in the diagram.
- m) Remove the wire harness retaining clip
- n) Lean the seats forward.
- o) Remove the headrests.
- p) Remove the seats from the vehicle.

**Note:** Be extremely careful to not scratch any of the interior trim with the seat tracks as you remove the seats.



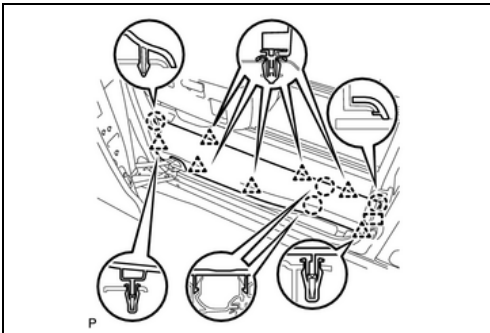
## 2. REMOVE FRONT DOOR SCUFF PLATE LH & RH

- a) Pull upward to disengage the 12 clips.



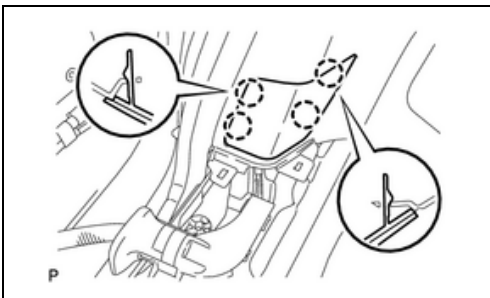
## 3. REMOVE COWL SIDE TRIM LH & RH

- a) Remove the plastic nut (indicated by the arrow).
- b) Pull Cowl Trim rearward to disengage the two clips.

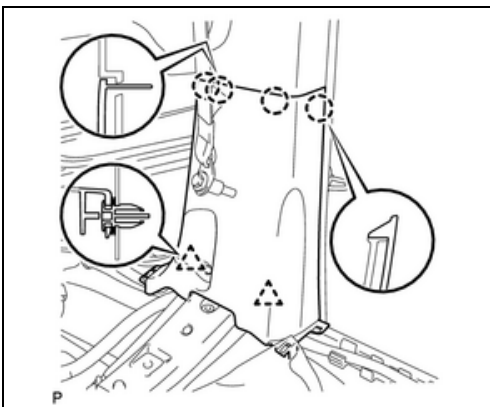


## 4. REMOVE REAR DOOR SCUFF PLATE LH & RH

- a) Pull upward to disengage the 4 claws and 7 clips.

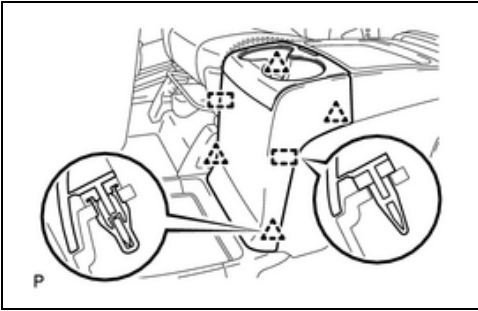


## 5. REMOVE QUARTER TRIM COVER PLATE



## 6. REMOVE B-PILLAR LOWER TRIM LH & RH

- a) Remove seat belt anchor lower cover.
- b) Remove seat belt anchor lower bolt.
- c) Pull the weather stripping away from the B-pillar to clear the lower trim .
- d) Remove the B-Pillar trim panel by pulling inward to disengaging the 4 claws and 2 clips.
- e) Push the weather stripping back into place.

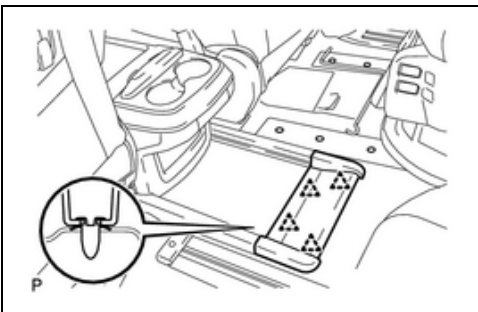


**7. REMOVE FRONT CONSOLE (fixed type console)**

- a) Pull upward and at an angle toward the dash on the cup holder front section to disengage the 4 clips and 2 guides.

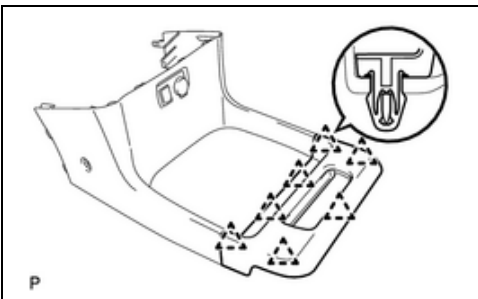


- b) Remove the felt cover in the bottom of the console storage area.
- c) Remove the 4 bolts (indicated by arrows).
- d) Unplug electrical connector (if equipped)
- e) Remove the console from the vehicle.



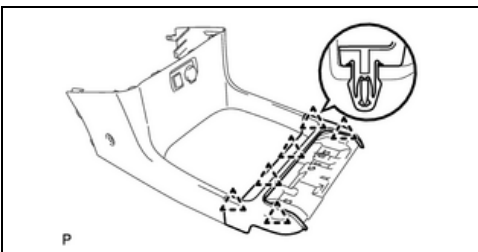
**8. REMOVE FRONT CONSOLE BOX (sliding type console)**

- a) Pull upward on the box bottom trim panel to disengage the 4 clips.



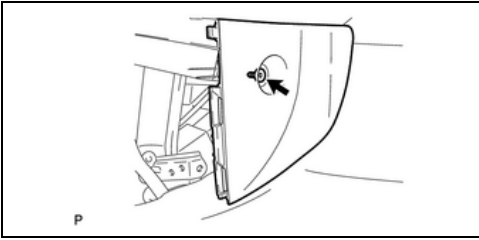
**9. REMOVE LOWER CENTER COVER (w/o console)**

- a) Pull upward to disengage the 7 clips.



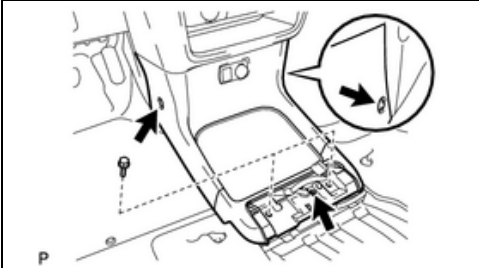
**10. REMOVE LOWER CENTER COVER (w/ console)**

- a) Pull upward to disengage the 6 clips.



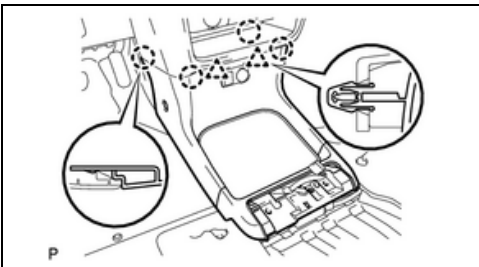
### 11. REMOVE FINISH PANEL END LH & RH

- Remove the clip
- Remove the panel

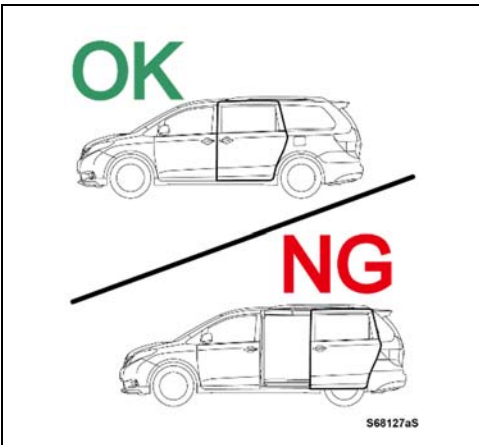


### 12. REMOVE LOWER CENTER PANEL

- Remove 2 bolts (w/o console)
- Remove 3 clips



- Pull rearward on the Lower Center Panel to disengage the 4 claws and 2 guides.
- Slide the center panel rearward to access the electrical connector.
- Unplug the electrical connectors.

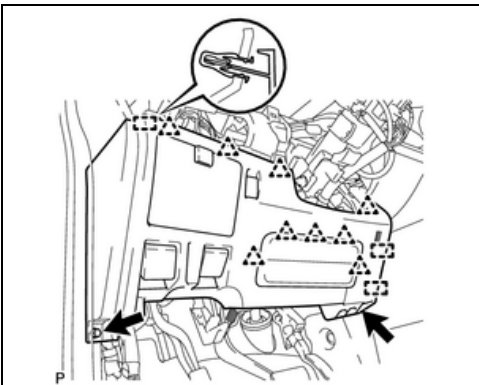


### 13. REMOVE INSTRUMENT PANEL LOWER FINISH PANEL

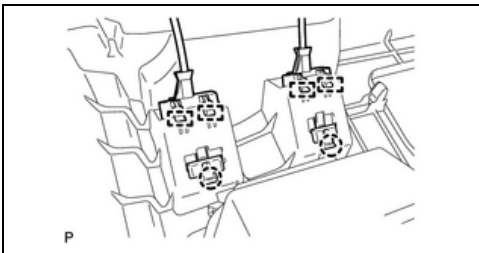
- Close the LH Sliding door.



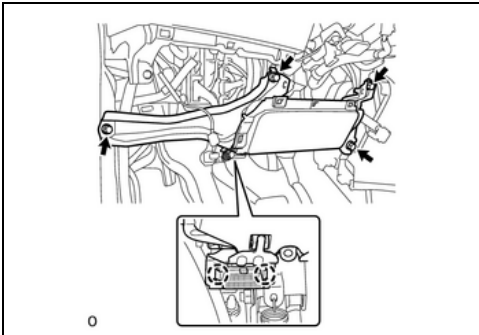
Ensure that the door is closed, or the fuel lid may open and damage the vehicle during the removal of the instrument panel lower finish panel.



- Remove 2 bolts (indicated at arrows).
- While pulling the panel away from dash, disengage the 9 clips and 3 guides.
- Once the Lower Finish Panel is separated, there will be a few electrical connections to unplug, depending on the options of the vehicle.

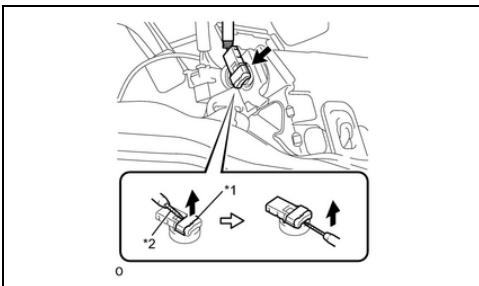


- e) Depress the claw release and slide the assembly back to remove the hood and fuel door release levers from the lower finish panel.
- f) Open the LH sliding door. Ensure that the fuel filler door is closed before sliding the door.

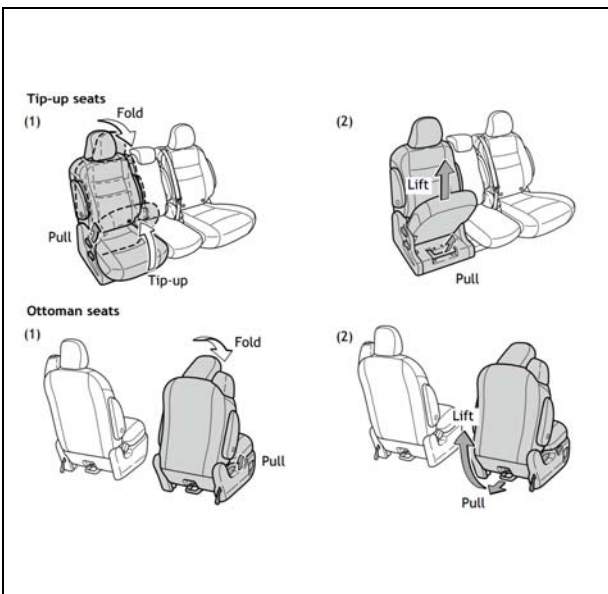


#### 14. REMOVE KNEE AIRBAG

- a) Remove the 4 bolts
- b) Lift up on the airbag bracket to disengage from the dashboard.



- c) Using a small screwdriver with the tip wrapped in protective tape (\*2), pull up on the release clip (\*1) to unseat the lock.
- d) Pull up on the connector to disconnect it from the airbag.
- e) Disengage the 2 claws on the DLC3 connector and separate it from the knee airbag.

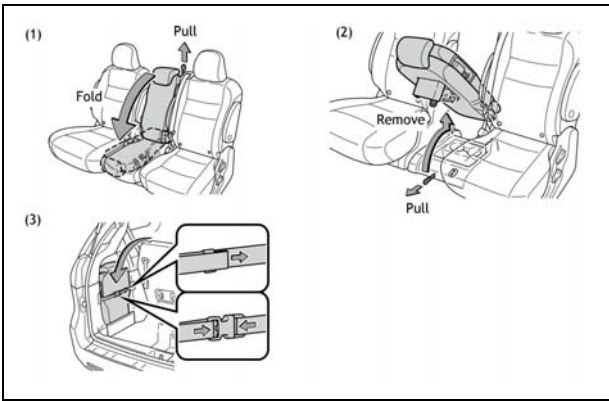


#### 15. REMOVE THE SECOND ROW SEATS

- a) Using steps as shown in the diagram, remove the second row seats.

**Note:** If the vehicle is equipped with an Auto Access seat, it is advisable to not remove it.





- b) Using steps shown in the diagram, remove the second row center seat (if equipped).

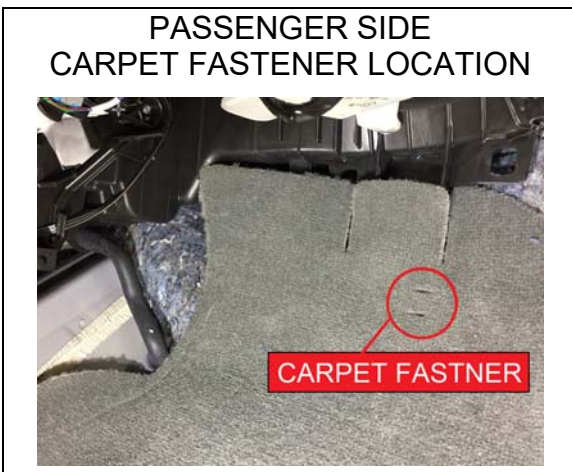


## 16. FOLD CARPET INTO SECOND ROW SEATING AREA

- a) Remove the harness and cable (drivers side) from the 3 carpet clips along each door sill, between the A & B pillars.
- b) Remove the 3 carpet clips (on each side) from the floorboard. These clips will not be reused.
- c) The carpet behind the accelerator and brake pedals is held in place by Velcro type fasteners that are stapled to the carpet and underlayment. Note the locations of the two attachment points in the picture. When removing the carpet behind the pedals, be sure to separate the Velcro type fasteners and not pull the staples from the carpet or underlayment.



**The carpet behind the accelerator and brake pedals is held into place with Velcro type fasteners. Be extra cautious to separate these fasteners and not pull the staples from the carpet or underlayment.**

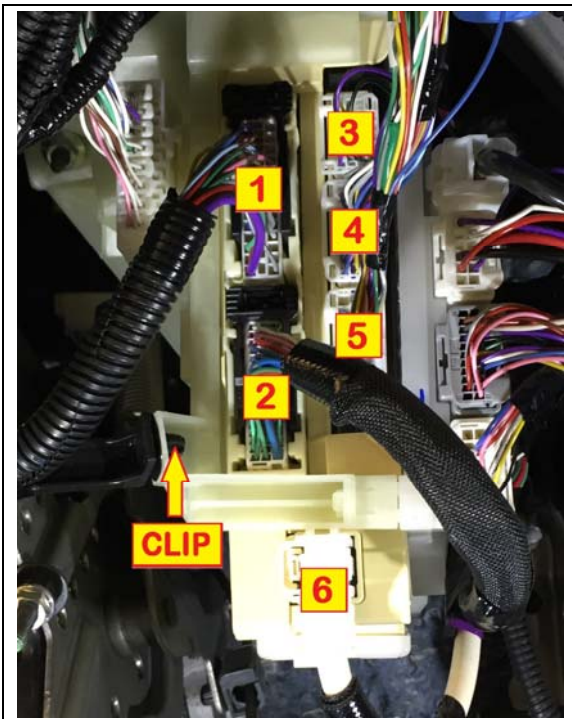


**The carpet in the passenger foot well is held into place with a Velcro type fastener. Be extra cautious to separate this fastener and not pull the staples from the carpet or underlayment.**



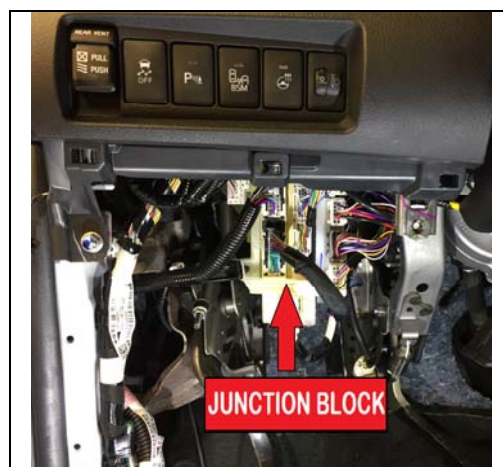
- e) Fold the carpet back into the second row seating area, with the fold in the area of the B-Pillar.

**Note:** Jute padding on the 2011-2014 models is attached to the carpet. On the 2015-2016 models, it's attached to the floorboard.



## 17. REMOVE JUNCTION BLOCK ASSEMBLY

- Unplug connectors 1-6 from the front of the JB.
- Use a small screwdriver to release the harness retaining clip without damage.



- Pull the CAN Communication connector housing toward you and separate it from the JB. DO NOT pull by the wires.



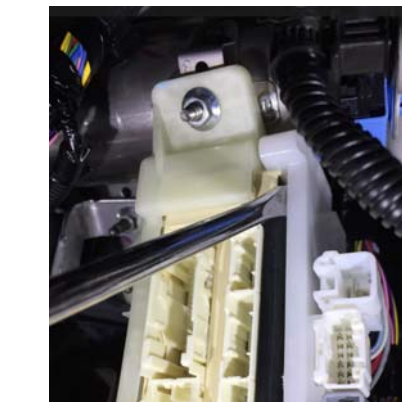
**DO NOT unplug the individual CAN connectors. Only separate the entire housing from the JB.**



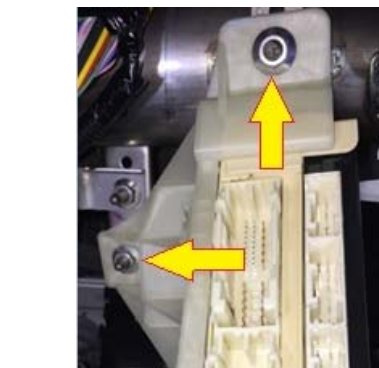
- d) Attached on the right side of the JB is a bracket that holds additional connectors. Use a small screwdriver to release the locking tab in the front lower right corner of the JB.



- e) In the rear lower right corner of the JB is another release. Use your finger to pull out on the release tab and separate the bracket from the JB.



- f) In the upper right corner of the JB is an additional release. Use a screwdriver to separate the bracket from the JB.



- g) Remove the two nuts and lower the JB.

**Note:** There are still two connectors at the rear of the JB, so be careful not to damage any wires as you lower the JB. These connectors will be disconnected in the next step.

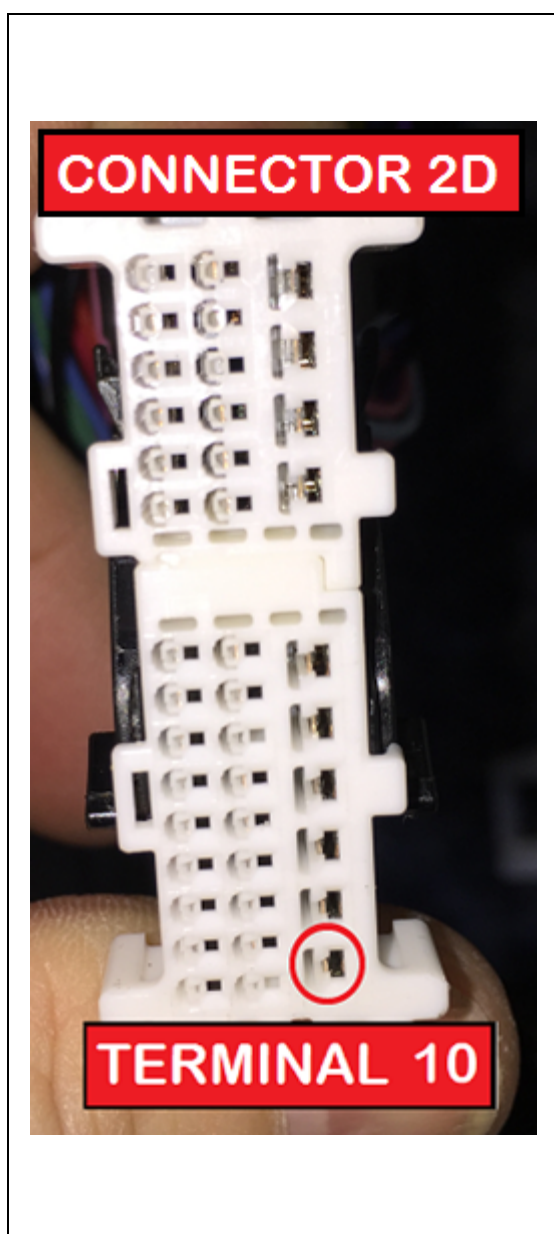




- h) From the rear of the JB, unplug connector #8
- i) Slide the yellow safety latch forward by first releasing the locking tab.
- j) Unplug connector #9



## X. SUB HARNESS #7 INSTALLATION (RH Sliding Door)

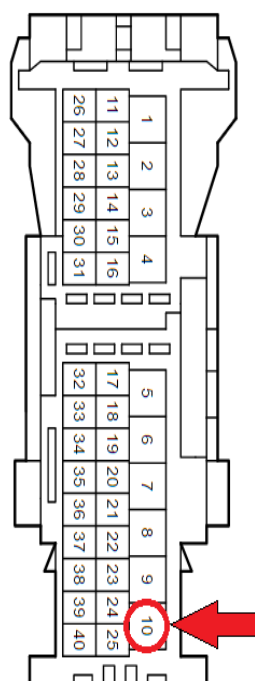


### 1. REMOVE TERMINAL #10 FROM CONNECTOR 2D

- a) Locate connector 2D. This connector is one of the two connectors that was removed from the rear (bulkhead side) of the junction block.
- b) Locate terminal #10 of connector 2D (view from the front)



The four JB connectors look very similar, so pay close attention to the shape and terminal count of the connector to verify you have selected connector 2D.

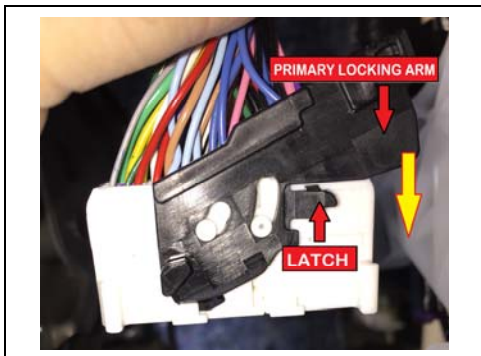




- c) Turn connector 2D around to view the wire side. Locate the wire that is plugged into terminal 10. It will be a light green color.



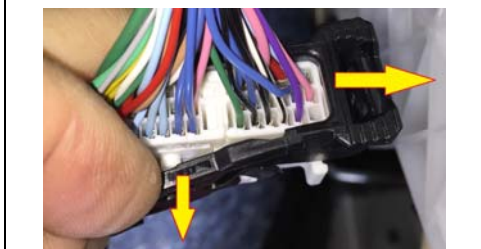
If the wire that you see in terminal 10 is anything other than light green, you have not properly identified connector 2D.



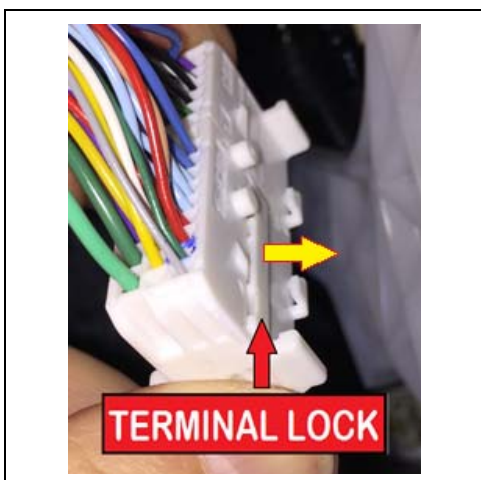
- d) Fold the Connector Locking Arm to the locked position by first releasing the latch on both sides and then pivoting the arm to the locked position.



- e) Slide the Connector Locking Arm off the connector by first pulling outward at the rear of the Arm on both sides, about 1/4" (6mm). This should be just enough for the slots on the Primary Locking Arm to clear the pins on the connector.



Attempting to remove the Connector Locking Arm in the open position will result in damage to the alignment guide. Be sure to first close the Locking Arm before attempting to remove it.



- f) Unlock the secondary terminal lock by using a very small pick or screwdriver (DO NOT use the terminal removal tool). Pry up at both ends until the secondary terminal lock has popped up about 1/32" (1mm)

**Note:** The secondary terminal lock will not pop up any more than about 1/32" (1mm). DO NOT force it any more than this. Make sure that it is evenly open from end to end.



USING THE TERMINAL REMOVAL TOOL TO OPEN THE SECONDARY LOCK WILL RESULT IN DAMAGE TO THE TOOL.

### 1.5mm Terminal Removal Video

TOYOTA

How to replace a 1.5mm female terminal

Insert tool here.

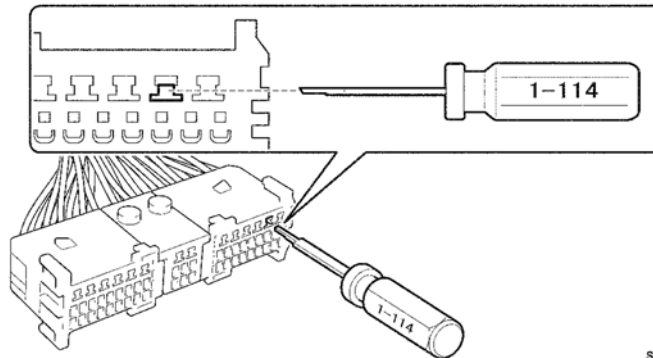


- g) Using the terminal removal tool provided for this recall, remove the terminal from position #10 of connector 2D.

### 1.5mm Terminal Removal Video

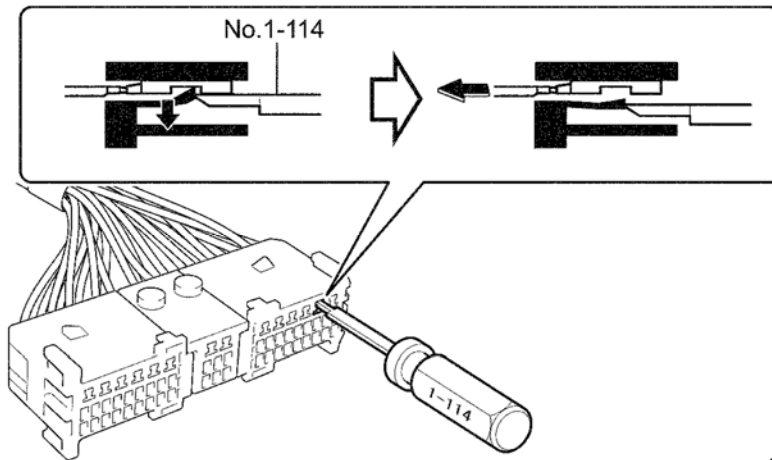


Terminal removal tool



S68105bS

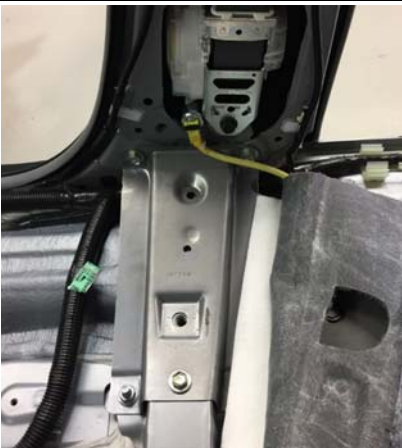
**Note:** Connector shown is an example only. Diagrams do not indicate Connector 2D.



S68106bS

## 2. ROUTE SUB-HARNESS #7 FOR RH DOOR

- Locate sub-harness #7 from the parts kit. It will be the longer of the two harnesses (approx. 15' 4" or 470cm).
- Locate the sheet metal brace between the floorboard and the B-pillar on the RH side

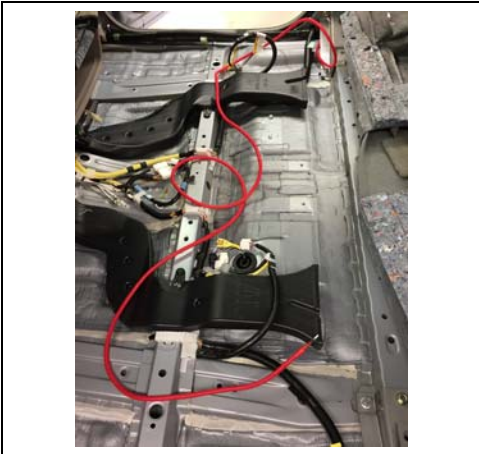






- c) Route the terminal end of sub-harness #7 (shown in red) under the sheet metal brace at the B-pillar on the RH side. Start at the rear of the brace and push the wire through the space between the brace and floorboard until it is reachable from the front side of the brace.

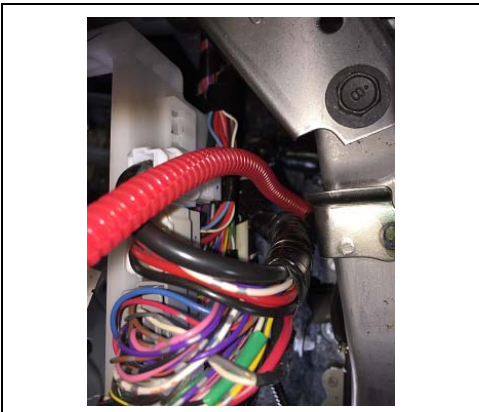
**Note: The pictures in these instructions show the sub-harnesses as red in color. This is for illustrative purposes only. The parts you will actually install on the car will be black.**



- d) Pull about 10' (300cm) of sub-harness #7 through the brace.  
e) Lay the wire across the floorboard so that it can be reached from the LH side.



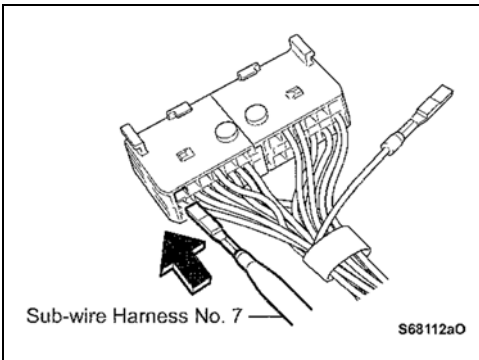
- f) At the front of the LH B-pillar, route sub-harness #7 as shown. It needs to be routed under the transverse and the longitudinal body harness.  
g) Pull about 4' (122cm) of the sub-harness through.



- h) Route the terminal end of the sub-harness #7 between the connector block and the brake pedal brace; on top of the body harness.



- i) Route the harness around the back side of the connector block, making sure to have the wire behind (bulkhead side) the brake pedal wire harness.

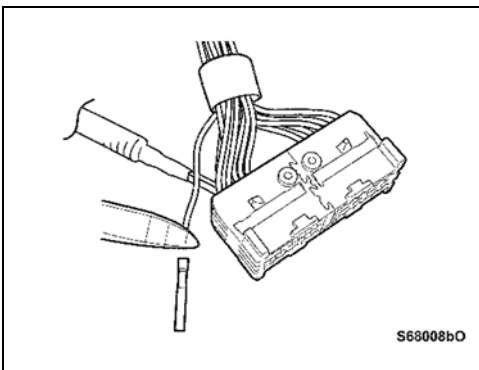
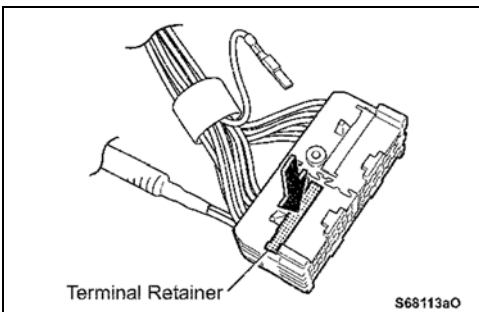


### 3. INSTALL TERMINAL INTO CONNECTOR 2D

- a) Verify the secondary terminal lock is still unlocked.
- b) Insert the terminal end of sub-harness #7 into cavity #10 of connector 2D (the same location that you previously removed the light green wire).
- c) Verify correct installation by pulling lightly on the wire to ensure that it is properly latched into the connector. The wire should not pull out of the connector.

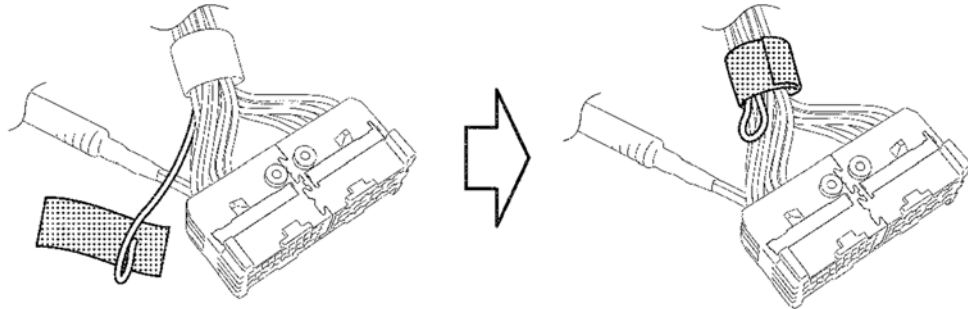
Note: Connector shown is an example only.

- d) Engage the primary terminal lock by pressing in.



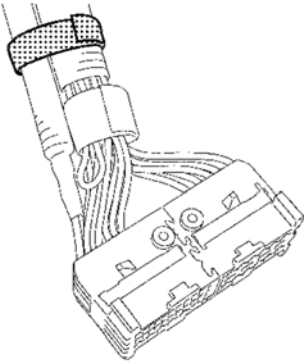
- e) Cut the terminal end off of the light green wire that was removed from connector 2A pin 13.

f) Apply electrical tape to the end of the cut wire, and secure it to the main harness as shown.



S68009b0

a) Using electrical tape, fasten sub-harness #7, to the main wire harness for connector 2D.



b) Reinstall the primary locking arm to the closed position.



Attempting to install the Connector Locking Arm in the open position will result in damage to the alignment guide. Be sure to install the locking arm in the closed position.

c) Rotate the locking arm to the open position.





#### 4. TRANSFER BODY ECU TO **NEW** JUNCTION BLOCK

- a) Remove the Body ECU (black) from the original JB (beige) by inserting a small screwdriver into the access opening on the side with the connectors.
- b) Depress the release tab while gently prying upward on the Body ECU. Continue to lift the Body ECU to disengage the hooks at the rear of the Body ECU.
- c) Verify the part number of the **NEW** Junction Block:  
82730-08130 for 2015-2016
- d) Install the original Body ECU into the **NEW** Junction Block.



#### 5. INSTALL JUNCTION BLOCK

- a) Reinstall the bottom connector (2A) into the rear of the JB and lock into place.
- b) Slide the yellow safety lock over connector 2A.
- c) Install the top connector (2D) into the rear of the JB and lock into place.



- d) As you guide the JB into place, reattach the junction connector bracket on the right.
- e) Guide the JB over the 2 mounting studs and start the nuts.  
**Torque to 75 in.lbs {8.5 N·m, 87 kgf·cm}**
- f) Reinstall the connectors #1-5 as shown.
- g) Notice that the 6<sup>th</sup> connector (2H) will not be installed at this time.
- h) Slide the CAN communication housing into place

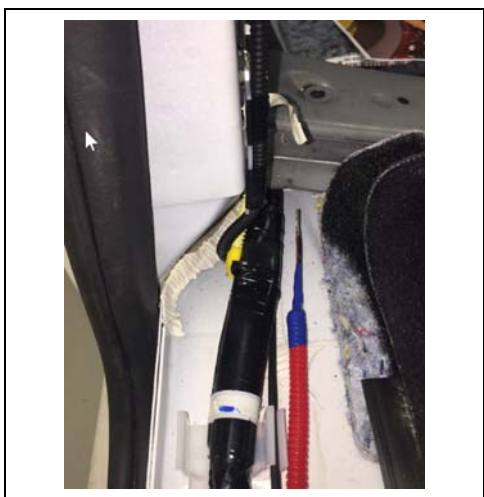


## XI. SUB HARNESS #9 INSTALLATION (2011-2016)

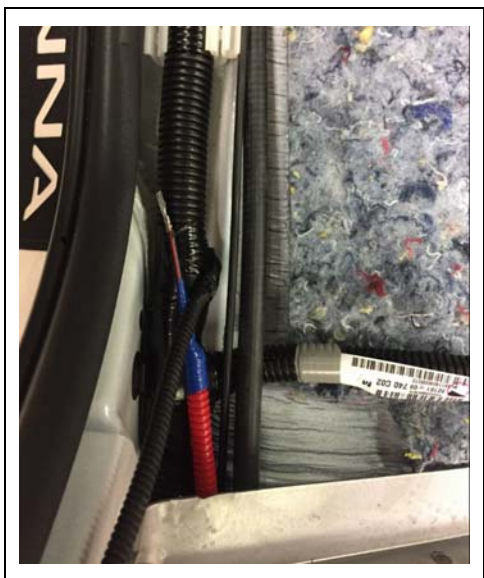


### 6. ROUTE SUB-HARNESS #9 FOR LH SLIDING DOOR

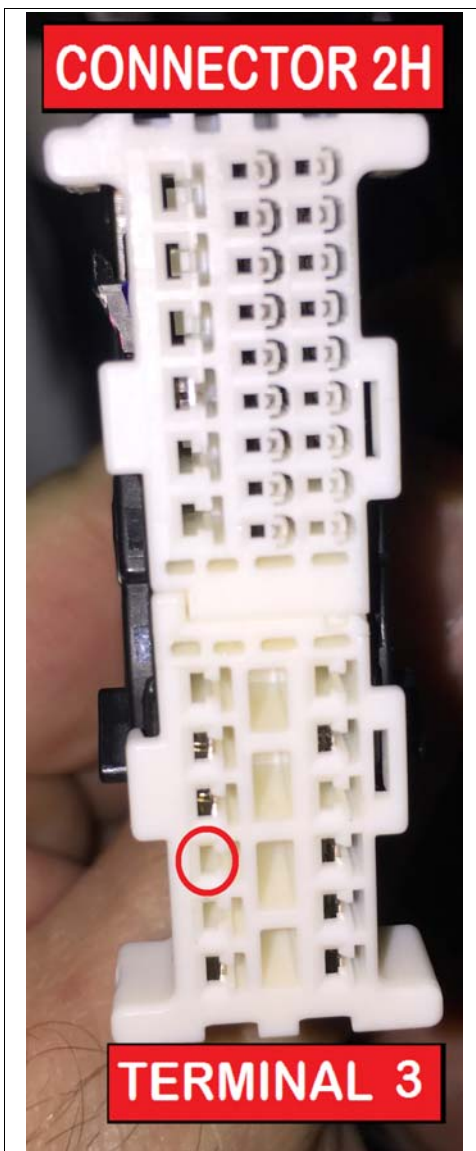
- a) Locate sub-harness #9 from the parts kit. It will be the shorter of the two harnesses (approx. 9'2" or 280cm).
- b) Locate the sheet metal brace between the floorboard and the B-pillar on the LH side.



- c) Route the terminal end of sub-harness #9 under the sheet metal brace at the B-pillar on the LH side. Start at the rear of the brace and push the wire through the space between the brace and floorboard until it is reachable from the front side of the brace.

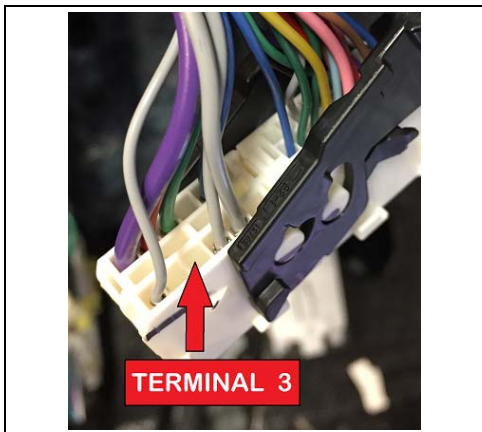
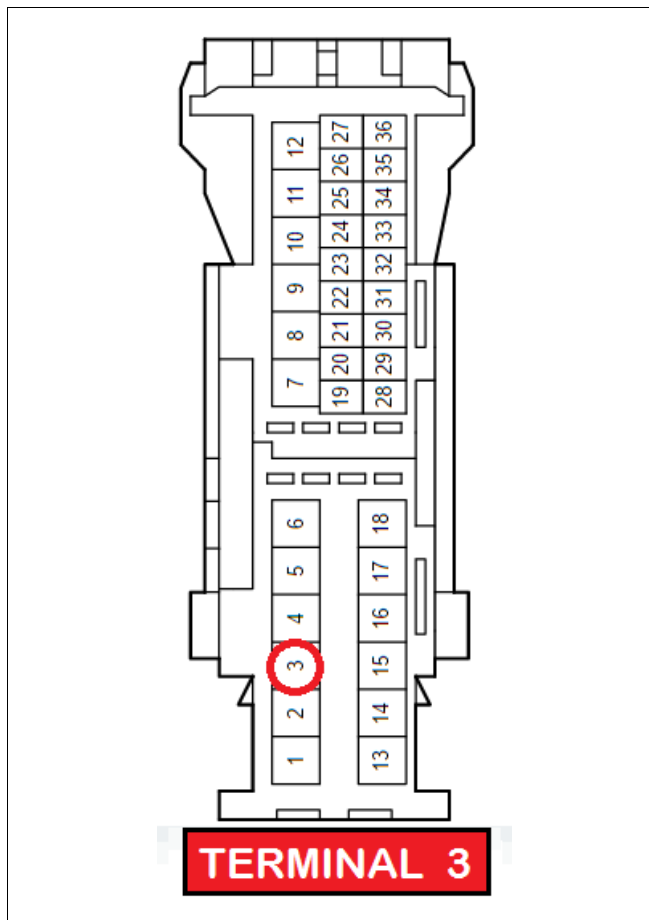


- d) Route sub-harness #9 between the B-pillar and the small wire harness that runs vertically to the door jamb switch.
- e) Pull about 4' (122cm) of sub-harness #9 through.



## 2. INSTALL SUB-HARNESS #9 INTO CONNECTOR 2H

- Locate connector 2H. It's one of the two large connectors that plugs into the front of the JB.
- Locate terminal #3 of connector 2H.

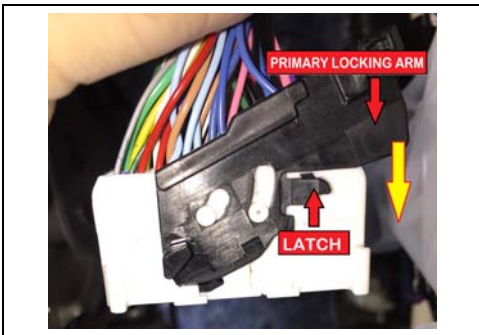


- Turn the connector around to view the wire side. Locate terminal #3. This will be an open cavity with no wire installed.



If there is a wire in terminal 3, you have not properly identified connector 2H.

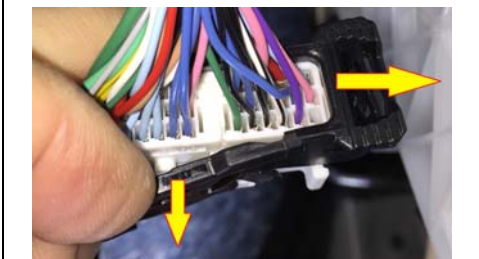




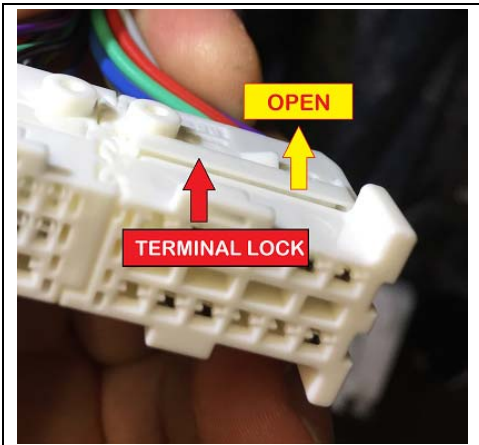
- d) Fold the Connector Locking Arm to the locked position by first releasing the latch on both sides and then pivoting the arm to the locked position.



- e) Slide the Connector Locking Arm off the connector by first pulling outward at the rear of the Arm on both sides, about 1/4" (6mm). This should be just enough for the slots on the Primary Locking Arm to clear the pins on the connector.

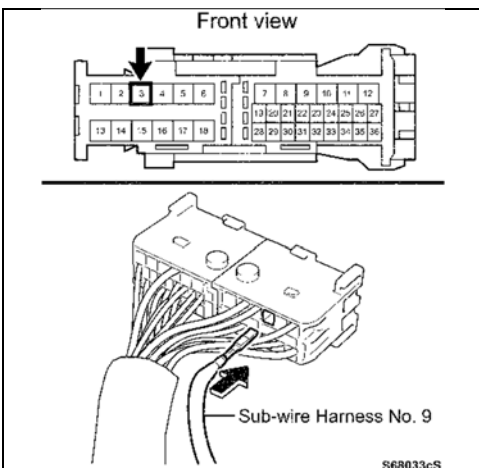


Attempting to remove the Connector Locking Arm in the open position will result in damage to the alignment guide. Be sure to first close the Locking Arm before attempting to remove it.



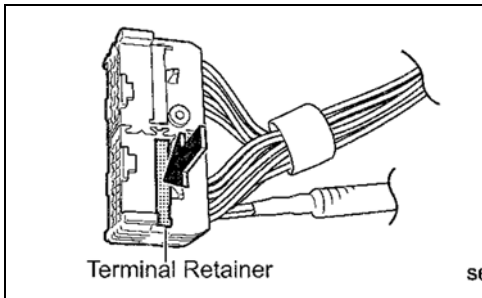
- f) Unlock the secondary terminal lock by using a very small pick or screwdriver (do not use the terminal removal tool). Pry up at both ends until the secondary terminal lock has popped up about 1/32" (1mm)

Note: The secondary terminal lock will not pop up any more than about 1/32" (1mm). DO NOT force it any more than this. Make sure that it is evenly open from end to end.

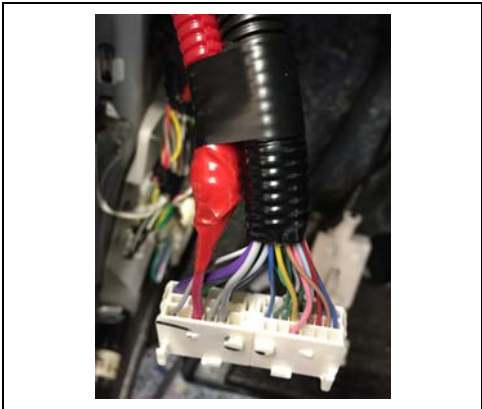


- g) Insert the terminal end of sub-harness #9 into terminal #3 of connector 2H.

- h) Verify correct installation by pulling lightly on the wire to ensure that it is properly latched into the connector. The wire should not back out of the connector



- i) Relock the terminal lock by pressing in.



- j) Wrap electrical tape around sub-harness #9 and the main wire harness for connector 2H. Wrap the tape around the tubing and not the wires.



- k) Reinstall the primary locking arm to the closed position.



Attempting to install the Connector Locking Arm in the open position will result in damage to the alignment guide. Be sure to install the locking arm in the closed position.

Connector shown is not 2H



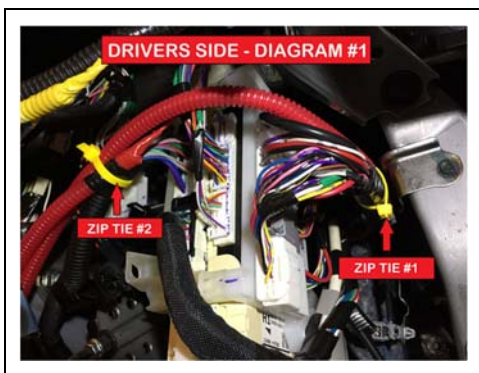
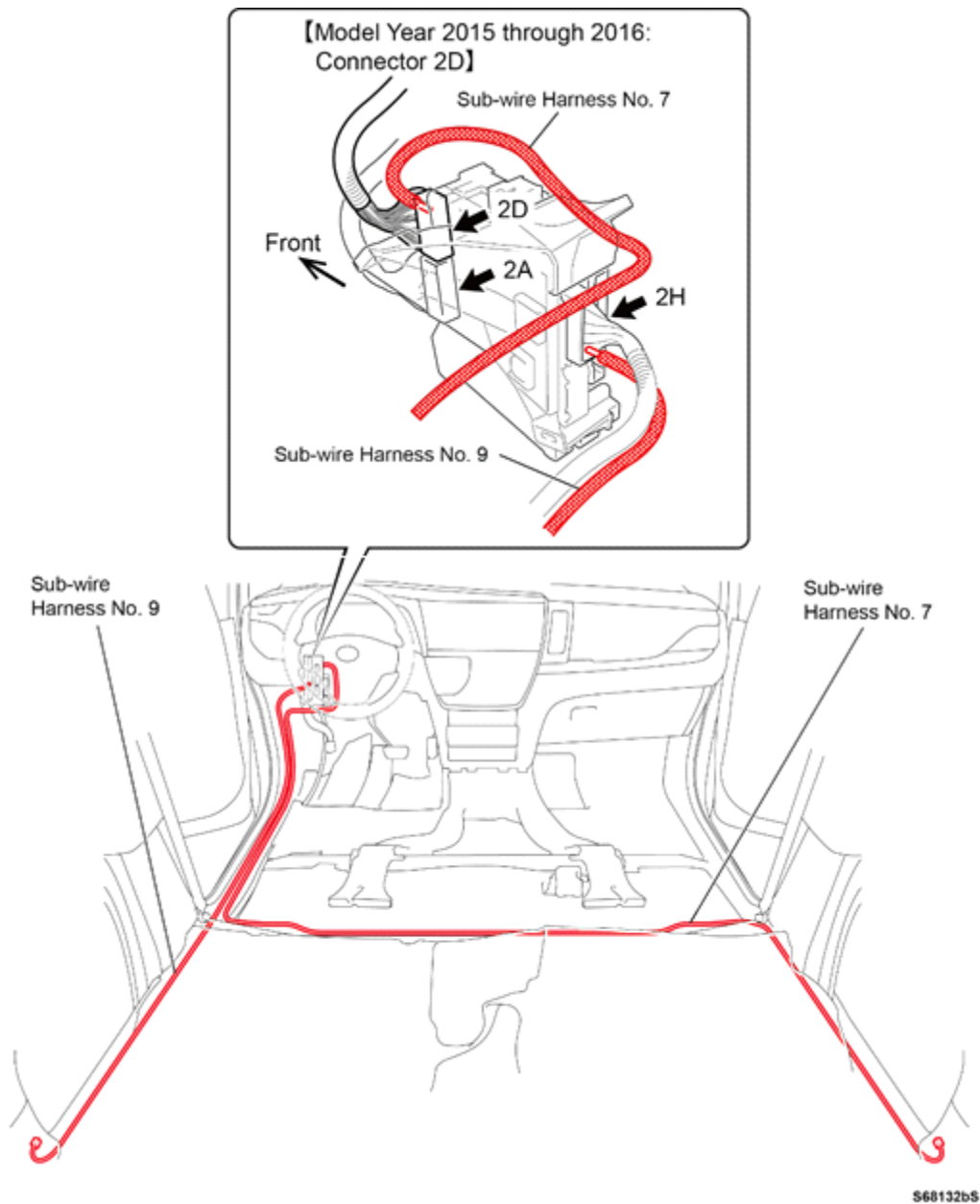
- l) Rotate the locking arm to the open position.  
m) Reinstall connector 2H into the JB.

Connector shown is not 2H

## XII. ROUTE AND SECURE SUB-HARNESSES

### 1. PRINT THE LAYOUT DIAGRAMS

- Print the full page layout diagrams from section XIII.
- The diagrams are labeled in reference to which side of the vehicle they belong, and the order from front to back.
- Lay the diagrams onto the floorboard of the vehicle in the proper order.
- Use the diagrams as a visual aid to properly route the sub-harnesses and install the zip ties to secure the sub-harnesses to the vehicle.



## 2. ROUTING ON DRIVERS SIDE: DIAGRAM #1

- Starting at the JB, ensure that sub-harness #7 from the back side of JB has a gentle radius as it wraps around to the front of the JB. Be sure that is clear of the brake pedal bracket. Wrap Zip Tie #1 around sub-harness #7 and the body harness that feeds the connector block on the side of the JB.
- Zip Tie #2 will be detailed on the next diagram.



### 3. ROUTING ON DRIVERS SIDE: DIAGRAM #2

- Wrap Zip Tie #2 around both sub-harnesses and the connector harness. Be sure the zip tie is wrapped around the tubing, and the wires.
- Wrap Zip Tie #3 around both sub-harnesses and the main body harness, just above the clip.
- Wrap Zip Tie #4 around both sub-harnesses and the main body harness
- Wrap Zip Tie #5 as the sub-harnesses make the 90 degree turn to run along the door sill. Leave as much room as possible for the clip of the Cowl Side trim panel behind the mounting bracket.



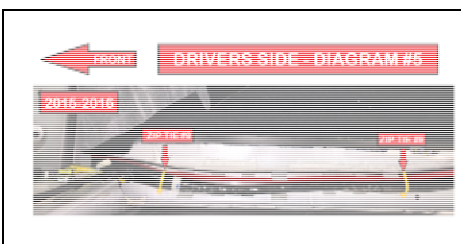
### 4. ROUTING ON DRIVERS SIDE: DIAGRAM #3

- Zip tie #5 was detailed on Diagram #1
- Route both sub harnesses along the sill, to the outside of the white plastic clips that are holding the body harness. There is enough room for one harness to lay on top of the other harness.



### 5. ROUTING ON DRIVERS SIDE: DIAGRAM #4

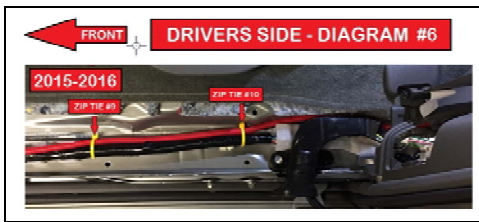
- Wrap Zip tie #6 around sub harness #7 and the main body harness.
- Wrap Zip tie #7 through the opening in the carpet padding and around the body harness.
- Run the sub-harness along the floorboard rail all the way to the passenger's side. No zip ties are required.



### 6. ROUTING ON DRIVERS SIDE: DIAGRAM #5

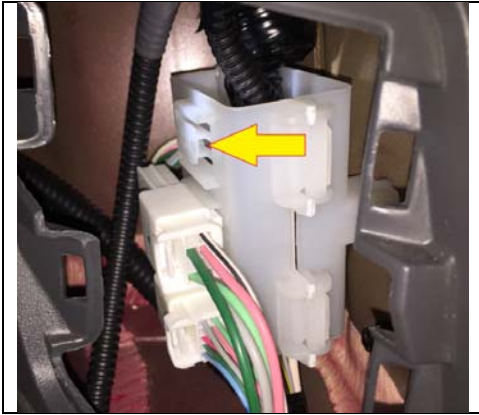
- Wrap Zip Tie #8 & #9 around the sub harness and the body harness, but not around the fuel door release cable.





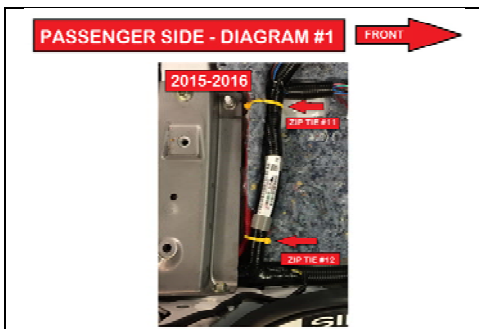
## 7. ROUTING ON DRIVERS SIDE: DIAGRAM #6

- Zip Tie #9 was detailed on Diagram #5
- Wrap Zip Tie #10 around the sub harness and the body harness, but not around the fuel door release cable.



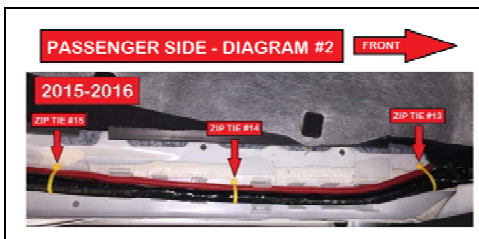
## 8. ATTACH SUB-HARNESS CONNECTOR LH

- Slide the connector end of the sub-harness onto the open slot of the connector mounting block at the base of the C-pillar.



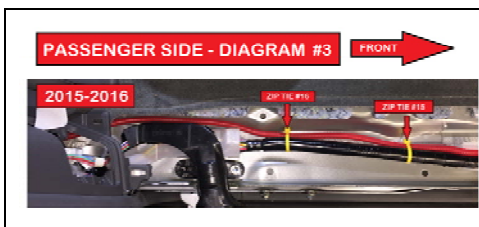
## 9. ROUTING ON PASSENGERS SIDE: DIAGRAM #1

- Wrap Zip Tie #11 through the opening in the carpet padding and then around the sub-harness and main body harness.
- Wrap Zip Tie around the body harness. Be sure there is a large enough radius in the wire and it goes under the B-pillar brace.



## 10. ROUTING ON PASSENGERS SIDE: DIAGRAM #2

- Route the sub harness as shown in the diagram and attach them to the main body harness with the zip ties in the locations indicated.



## 11. ROUTING ON PASSENGERS SIDE: DIAGRAM #3

- Route the sub harness as shown in the diagram and attach them to the main body harness with the zip ties in the locations indicated.



## 12. ATTACH SUB-HARNESS CONNECTOR RH

- a) Slide the connector end of the sub-harness onto the open slot of the connector mounting block at the base of the C-pillar.

## XIII. REPLACE SLIDING DOOR HARNESS LH & RH

### Door Panel Removal Video

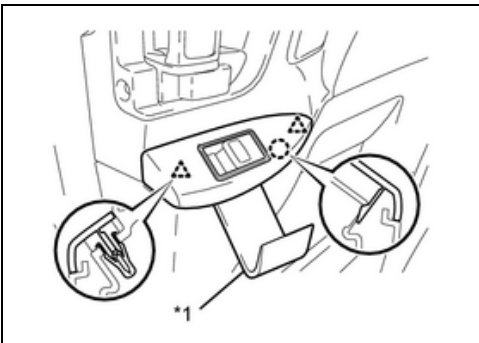


### 1. REMOVE LH & RH SLIDING DOOR PANEL

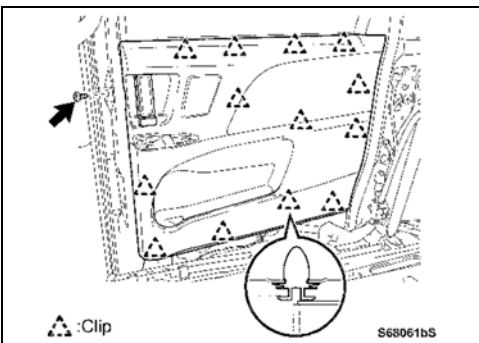
- a) View the door panel removal video.

[Door Panel Removal Video](#)

**Note:** The sliding door panels remove in a manner different than many other door panels. Using the methods shown in the video will help prevent damage. The video details the 2015-2016 models. There are variations in design between model years, but this procedure will work with all model years.

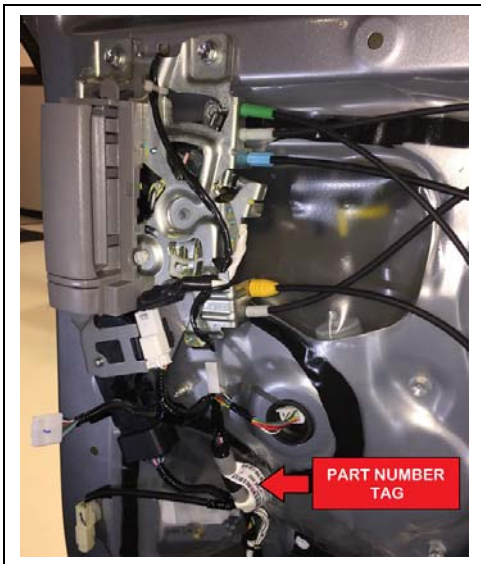


- b) Remove the window switch panel.
- c) Disengage the electrical connector on the switch.
- d) Slide the door lock to the locked position.



- e) Remove the screw
- f) Disengage the 13 clips
- g) If equipped with 10 Speaker Audio, remove the electrical connector for the speaker.





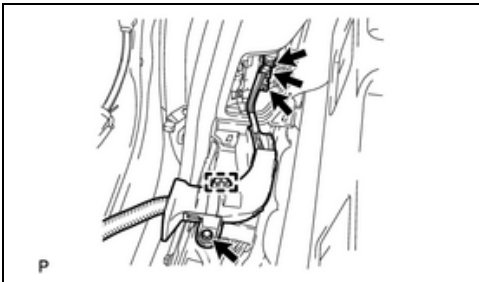
## 2. VERIFY REPLACEMENT DOOR HARNESS

- a) Locate the part number tag on the sliding door wire harness. Use the following chart to verify the **NEW** harness is the correct replacement for the original harness removed from the vehicle.



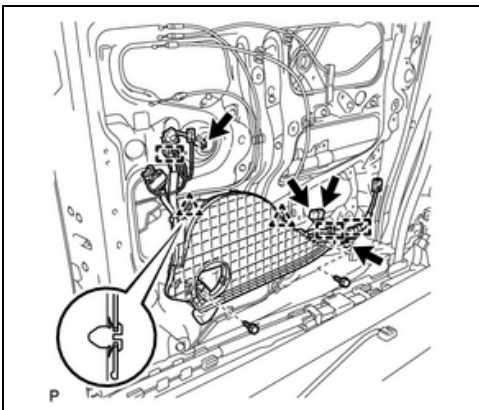
Left side (drivers)		
Original Part #	New Part #	Box Part #
82054-08050	82054-08190	04007-03708
82054-08130	82054-08200	04007-03808
82054-08140	82054-08210	04007-03908

Right side (passengers)		
Original Part #	New Part #	Box Part #
82053-08040	82053-08220	04007-03208
82053-08120	82053-08230	04007-03308
82053-08130	82053-08240	04007-30408
82053-08140	82053-08250	04007-30508
82053-08150	82053-08260	04007-03608

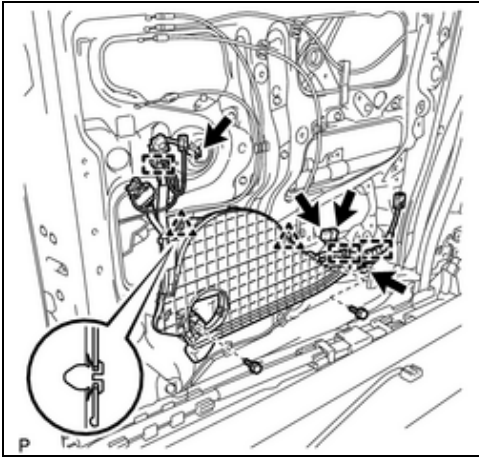


## 3. REMOVE REAR DOOR WIRE HARNESS LH & RH

- a) Disconnect the two electrical connectors.  
b) Remove the bolt to disengage the harness guide.



- c) Remove the bolt and disengage the guide  
d) Disconnect the electrical connectors  
e) Remove the 3 clamps  
f) Remove the 2 bolts  
g) Disengage the 2 clips and remove the rear door wire harness.

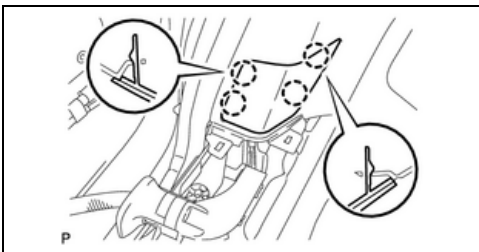


#### 4. INSTALL **NEW** DOOR HARNESS LH & RH

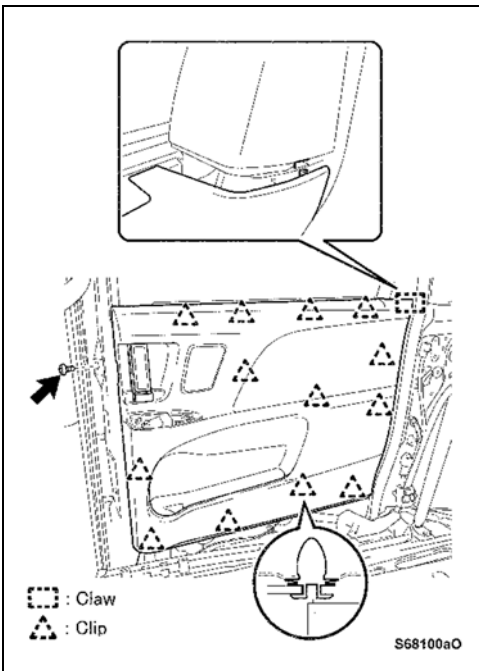
- a) Engage the 2 clips and install assembly
- b) Install 2 bolts  
***Torque 55 in.lbs {6.2 N·m, 63 kgf·cm}***
- c) Install 3 clamps
- d) Plug in electrical connectors



- e) Engage the guide and install the bolt  
***Torque 55 in.lbs {6.2 N·m, 63 kgf·cm}***
- f) Connect the three electrical connectors

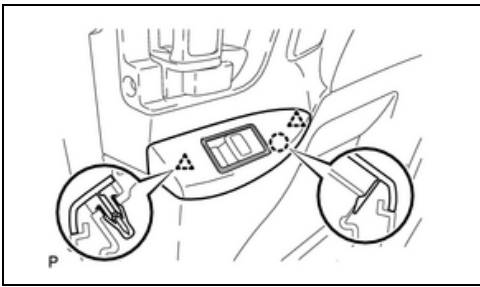


- g) Install the quarter trim hole cover.



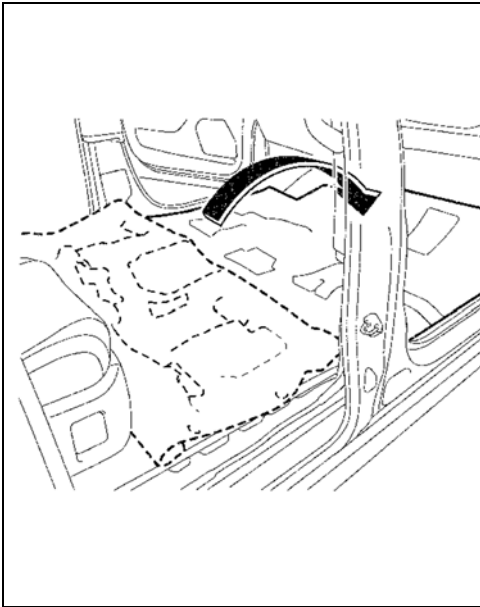
#### 5. INSTALL DOOR PANEL LH & RH

- a) Verify that the door lock slider is still in the unlocked position.
- b) If vehicle is equipped with the 10 speaker audio system, connect the speaker electrical connector.
- c) Insert the claw of the door panel in the slot in the window garnish as indicated.
- d) Engage the 15 clips by pushing in on the door panel.
- e) Reinstall the retaining screw.



- f) Reinstall the window switch plate and electrical connector.

## XIV. INSTALL INTERIOR

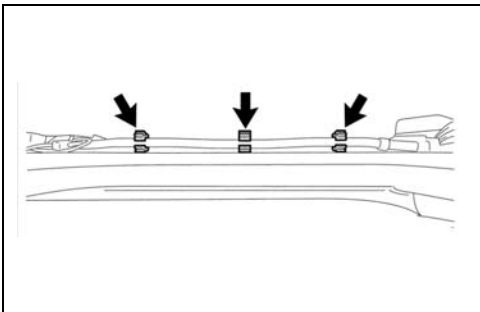


### 1. INSTALL CARPET

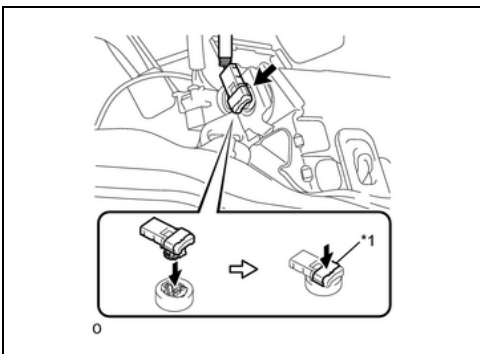
- Lay the carpet back into the front of the vehicle.
- Be sure to align and thoroughly engage the two Velcro type fasteners under the accelerator and brake pedals. Ensure that the Velcro on the carpet is properly attached to the vehicle to prevent the carpet from shifting under the accelerator pedal.
- Align and thoroughly engage the Velcro type fastener in the passengers footwell.
- Route the harness for the seats and audio amplifier (if equipped) through the openings in the carpet.



**BE SURE TO PROPERLY ENGAGE THE VELCRO TYPE FASTENERS BETWEEN THE CARPET AND THE FLOORBOARD.**



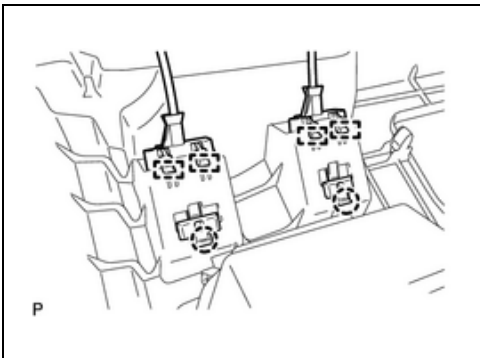
- At the LH & RH front door sill, the carpet goes under the wiring harnesses. Lay the carpet in place in the door sill area, placing it under the wiring harnesses.
- Install the **NEW** floor carpet hooks from the kit.
- Install the body harness and fuel door cable (LH side) into the clips in the **NEW** floor carpet hooks.
- Route sub-harness #7 & #9 to the outside of the floor carpet hooks (LH side only).



### 2. INSTALL KNEE AIR BAG

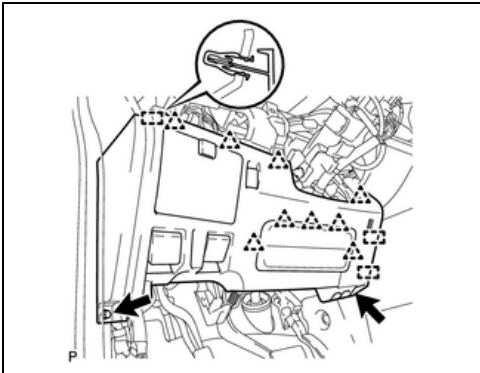
- Verify that the 12v battery is still disconnected, and has been for at least 90 seconds.
- Connect the airbag connector. Be sure the engage the lock.
- Reconnect the DLC3 connector to the bracket at the base of the knee airbag.
- Install the 4 bolts for the knee airbag.

***Torque 7 ft.lbs {10 N·m, 102 kgf·cm}***

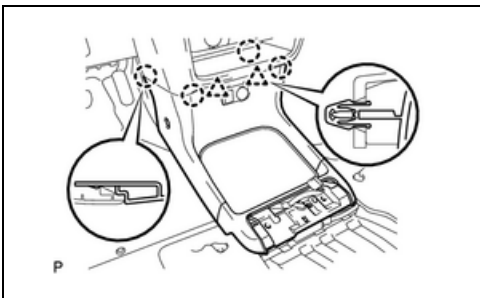


### 3. INSTALL LOWER FINISH PANEL

- Slide the fuel door and hood release assemblies into place to engage the claws.
- Reconnect the electrical connectors for the Sliding Door, TPWS, Interior Room temp sensor, and others depending on options.

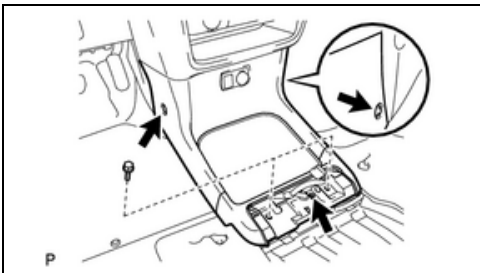


- Push in on the lower finish panel to engage the 9 clips and 3 guides.
- Install the 2 bolts.

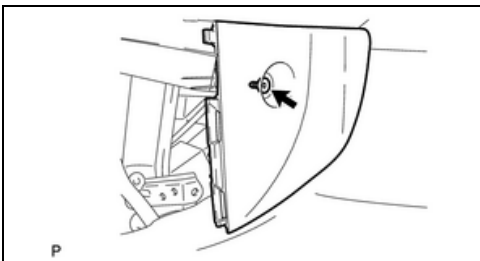


### 4. INSTALL LOWER CENTER PANEL

- Slide the Lower Center panel in to engage the 4 claws and 2 guides.

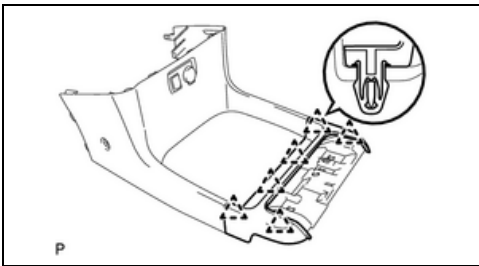


- Install 2 bolts.
- Install 3 clips.

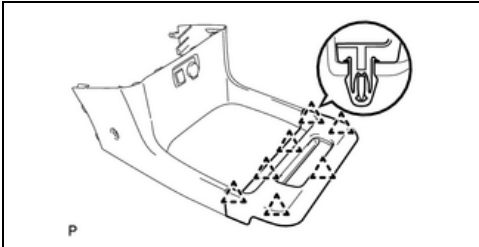


### 5. INSTALL FINISH PANEL ENDS LH & RH

- Align guides with Lower Center Panel.
- Install clip.



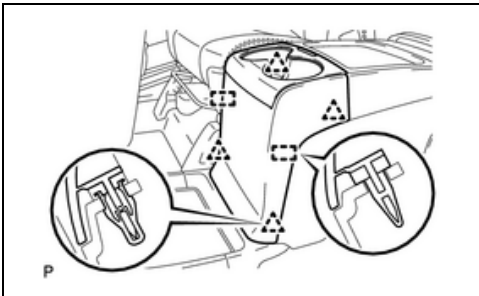
- 6. INSTALL LOWER CENTER COVER (w/ CONSOLE BOX)**  
a) Push down to engage the 6 clips.



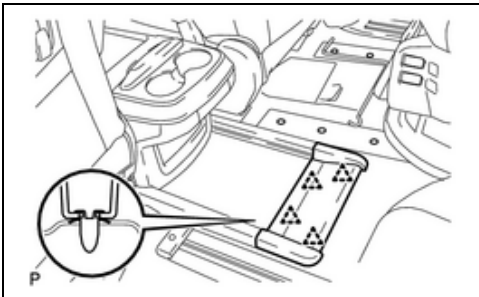
- 7. INSTALL LOWER CENTER COVER (w/o CONSOLE BOX)**  
a) Push down to engage the 7 clips.



- 8. INSTALL FRONT CONSOLE BOX (w/ SLIDING TYPE)**  
a) Set the console assembly into place.  
b) Install 6 bolts.  
c) Install the felt liner in the bottom of the box.

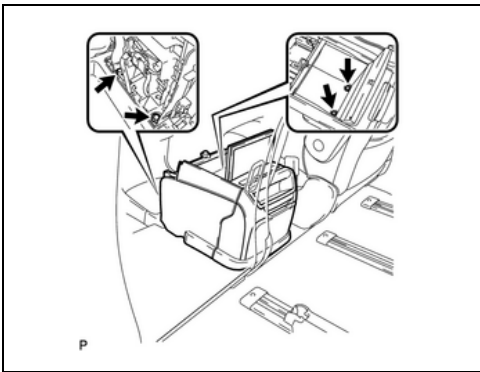


- d) Slide the cupholder assembly into place at a downward angle.



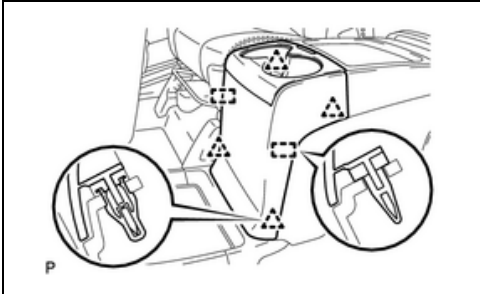
- e) Install bottom trim panel by pushing downward to engage the 4 clips.



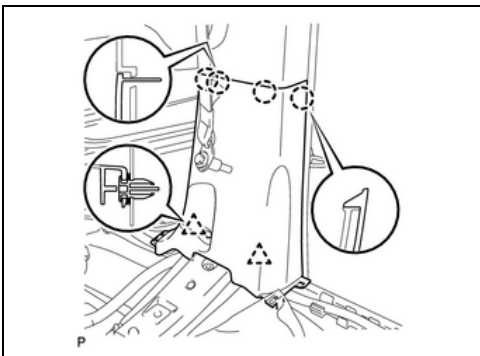


## 9. INSTALL FRONT CONSOLE BOX (W/O SLIDING TYPE)

- Set the console into place.
- Install 4 bolts.
- Install felt liner in bottom of box.

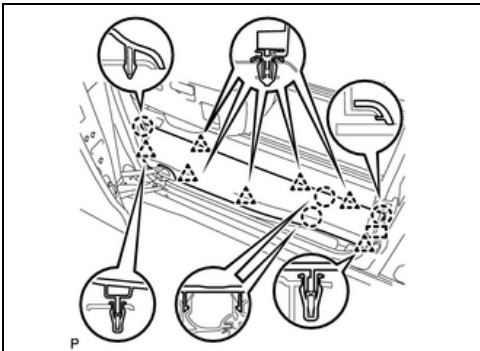


- Slide the cupholder assembly into place at a downward angle.



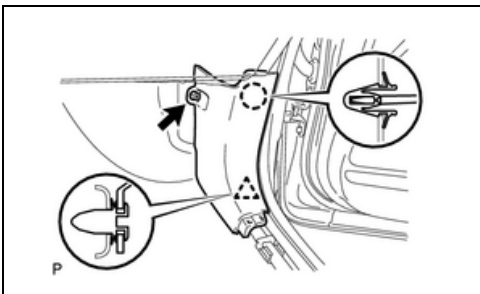
## 10. INSTALL B-PILLAR TRIM LH & RH

- Pull the weather stripping away from the B-pillar.
- Push in on the trim piece to engage the 4 claws and 2 clips.
- Set the weather stripping back into place.
- Install the seat belt anchor lower bolt  
***Torque 31 ft.lbs {42 N·m, 428 kgf·cm}***
- Install seat belt anchor lower cover



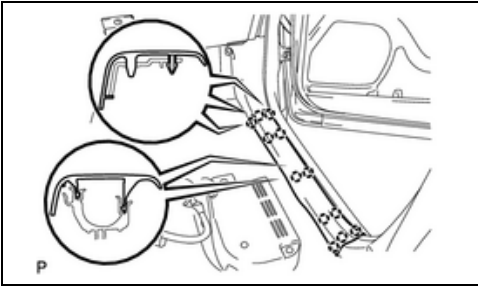
## 11. INSTALL REAR DOOR SCUFF PLATE LH & RH

- Push down to engage the 4 claws and 7 clips.



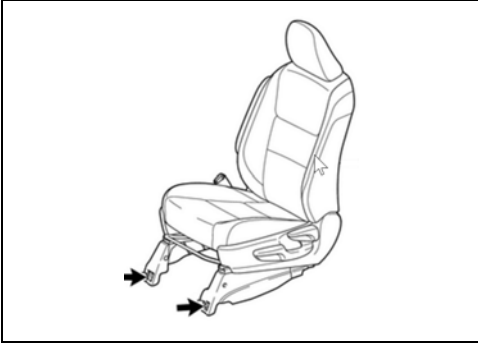
## 12. INSTALL COWL SIDE TRIM LH & RH

- Push the Cowl Side Trim in the engage the 2 clips.
- Thread the plastic nut into place.



### 13. INSTALL FRONT DOOR SCUFF PLATE LH & RH

- a) Push down to engage the 12 clips



### 14. INSTALL FRONT SEATS LH & RH

- a) Place the seat in position using extreme care not to damage any of the interior trim.
- b) Install the headrest.
- c) **Ensure that the 12v battery is still disconnected, and has been for at least 90 seconds.**
- d) Lean the seat rearward and connect the electrical connectors.
- e) Lean the seat forward and start the 2 bolts in the front of the seat tracks, but leave them loose.



- f) Connect the 12v battery.



**Make sure that the airbag connectors on BOTH seats are connected before the battery is connected.**

- g) Move the seat to the forward position and install 2 rear bolts.  
**Torque 27 ft.lbs {37 N·m, 377 kgf·cm}**
- h) Move the seat to the rear position and tighten the 2 front bolts.  
**Torque 27 ft.lbs {37 N·m, 377 kgf·cm}**
- i) Install floor mats.

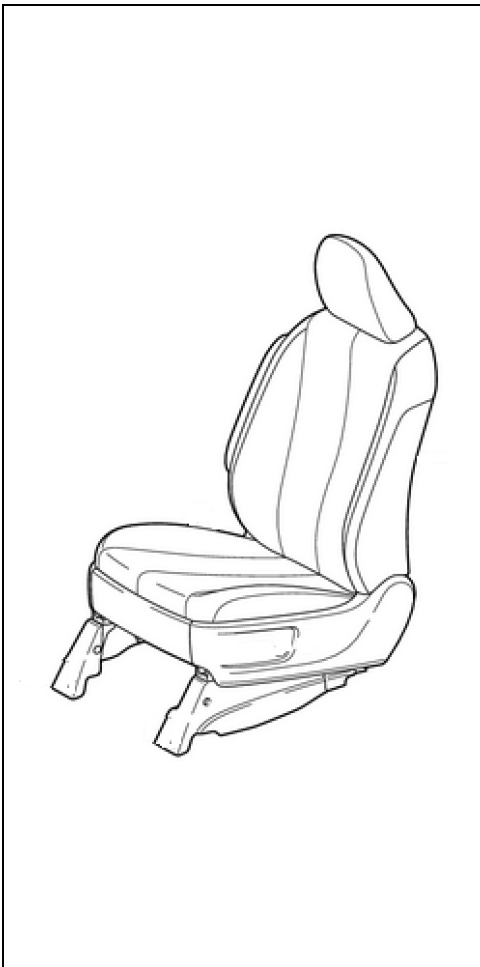
## XV. INITIALIZATION

### 1. INITIALIZATION OF POWER SLIDING DOOR

- a) Slide the PSD from the open position to the closed position. The door will have significant resistance when moving to the closed position. Once closed, open the door to verify the operation of the Power Sliding Door.

### 2. INITIALIZATION OF POWER BACK DOOR (if equipped)

- a) Press the unlock button on the driver's door, then fully close the back door by hand to initialize the power back door system. Press the release button to verify the operation of the Power Back Door



### 3. PASSENGER SEAT ZERO POINT CALIBRATION

The Occupant Detection System must be calibrated after the passenger seat has been removed and reinstalled.

- a) Check that all the following conditions are met:
  - The vehicle is parked on a level surface
  - No objects are placed on the passenger seat
  - The RH front seat belt is disconnected
- b) Adjust the seat position based on the table below.

ADJUSTMENT ITEM	POSITION
Slide Direction	Rearmost Position
Reclining Angle	Upright Position
Headrest Height	Lowest Position
Lifter Height	Lowest Position

- c) Connect the Techstream to the DLC3.
- d) Enter the following menus: Body Electrical / Occupant Detection / Utility / Zero Point Calibration.
- e) Perform the Zero Point calibration by following the prompts from the Techstream.
- f) If the Zero Point calibration is successful, "Zero Point calibration is complete" will be displayed. Proceed to the Sensitivity Check.
- g) If the Zero Point Calibration did not complete, refer to the Repair manual for further instructions.

### 4. SENSITIVITY CHECK

After completing the Zero Point Calibration, the Occupant Detection sensor will need to be tested.

- a) Enter the following menus: Body Electrical / Occupant Detection / Utility / Sensitivity Check
- b) Confirm that the sensor reading is within standard range:

-7.0 to 7.0 lbs. (-3.2 to 3.2 kg)

- c) Place 3 of the 22 lb. seat calibration weights (SST 00002-09077-01) on the seat as shown in the illustration. (Total of 66 lbs.)

**Note:** Do not allow the calibration weights to contact the seatback when placing them on the seat cushion.

- d) Confirm that the value displayed is within range:
 

59.5 to 72.8 lbs (27 to 33 kg)

**Note:** If the values are not within the standard range, refer the Manual for further instructions

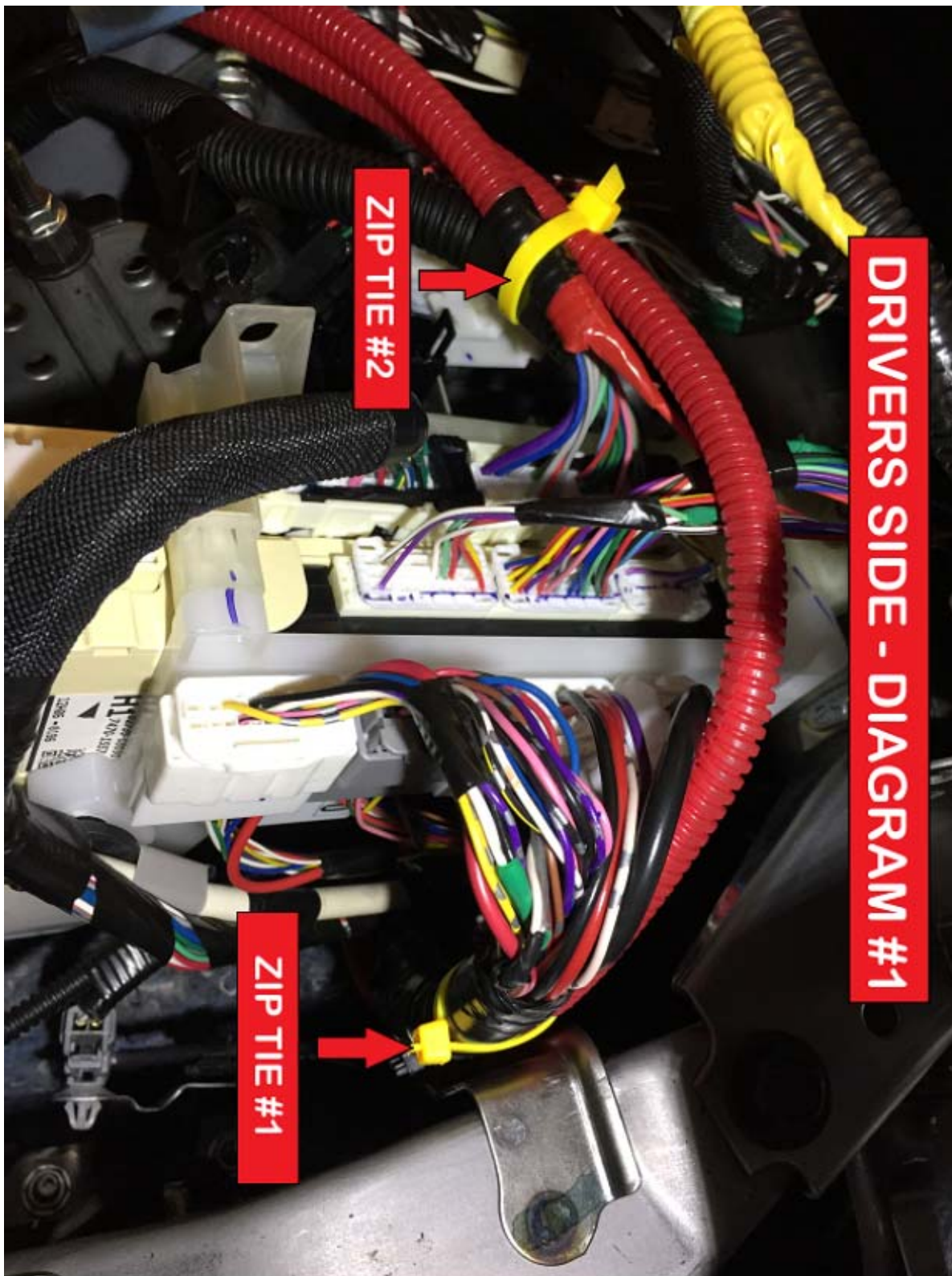




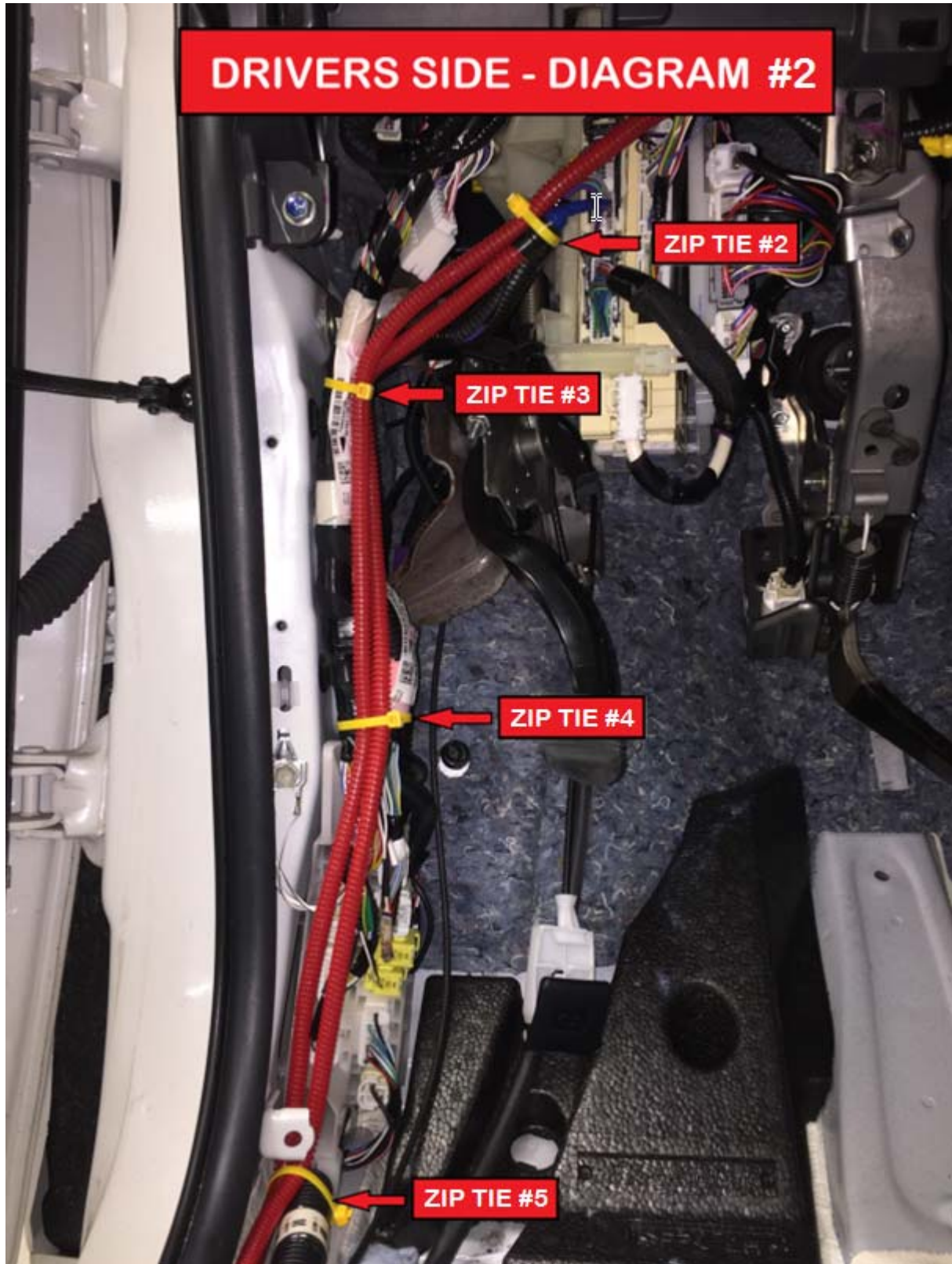
## **5. HEALTH CHECK**

- a) Perform a Health Check. Review the results and note any DTC's. If necessary, diagnose any DTC's and correct the issues found.
- b) Clear codes in all ECU's.
- c) Perform a Health Check and verify that no codes are present.

## XVI. SUB-HARNESS LAYOUT PHOTOS





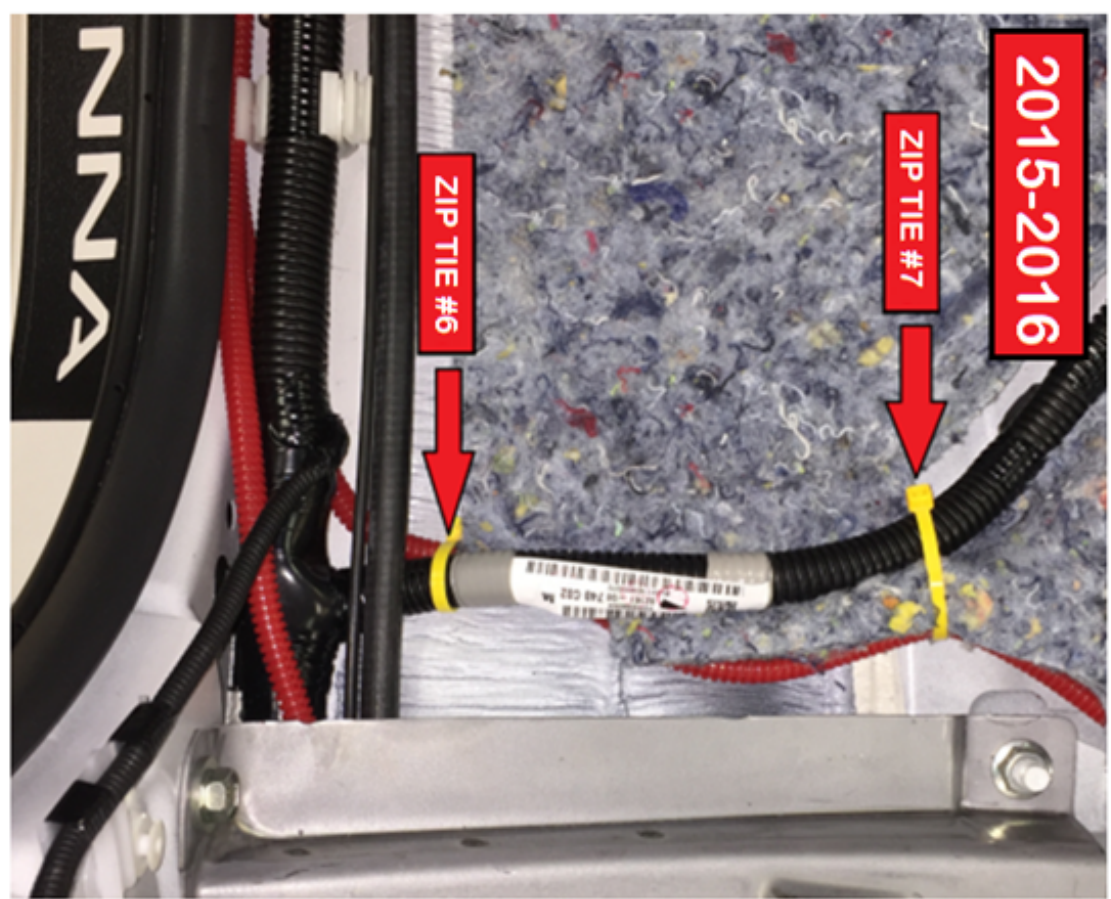








**DRIVERS SIDE - DIAGRAM #4**



FRONT

## DRIVERS SIDE - DIAGRAM #5

2015-2016

ZIP TIE #8

ZIP TIE #9





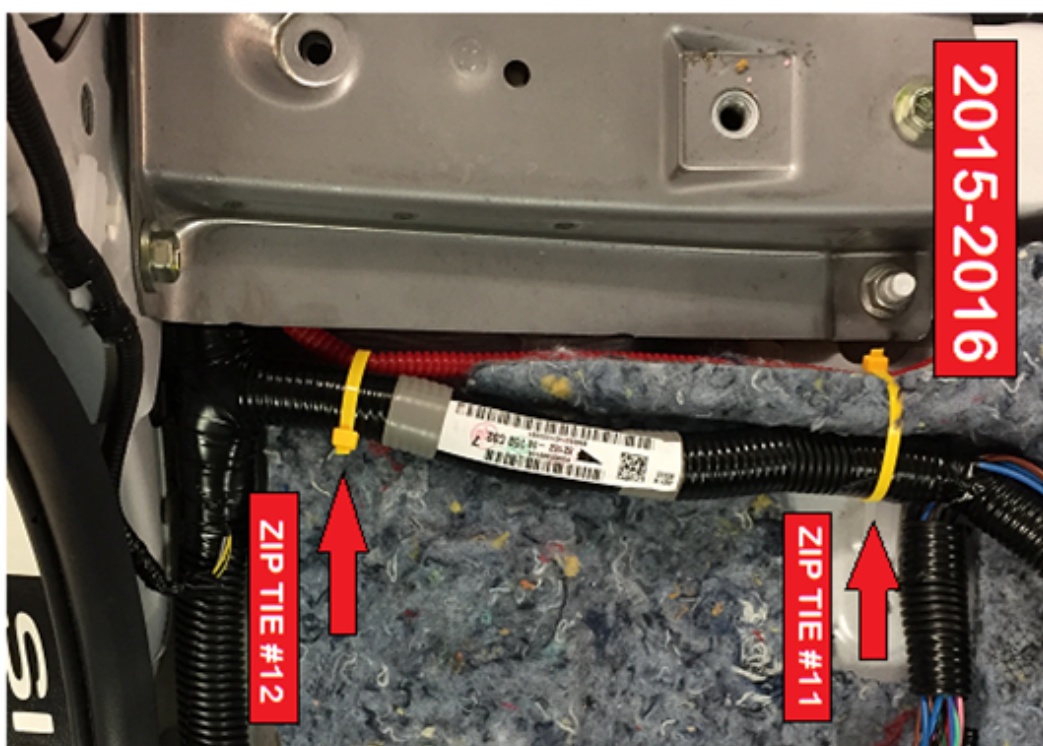
## DRIVERS SIDE - DIAGRAM #6





# PASSENGER SIDE - DIAGRAM #1

FRONT



## PASSENGER SIDE - DIAGRAM #2

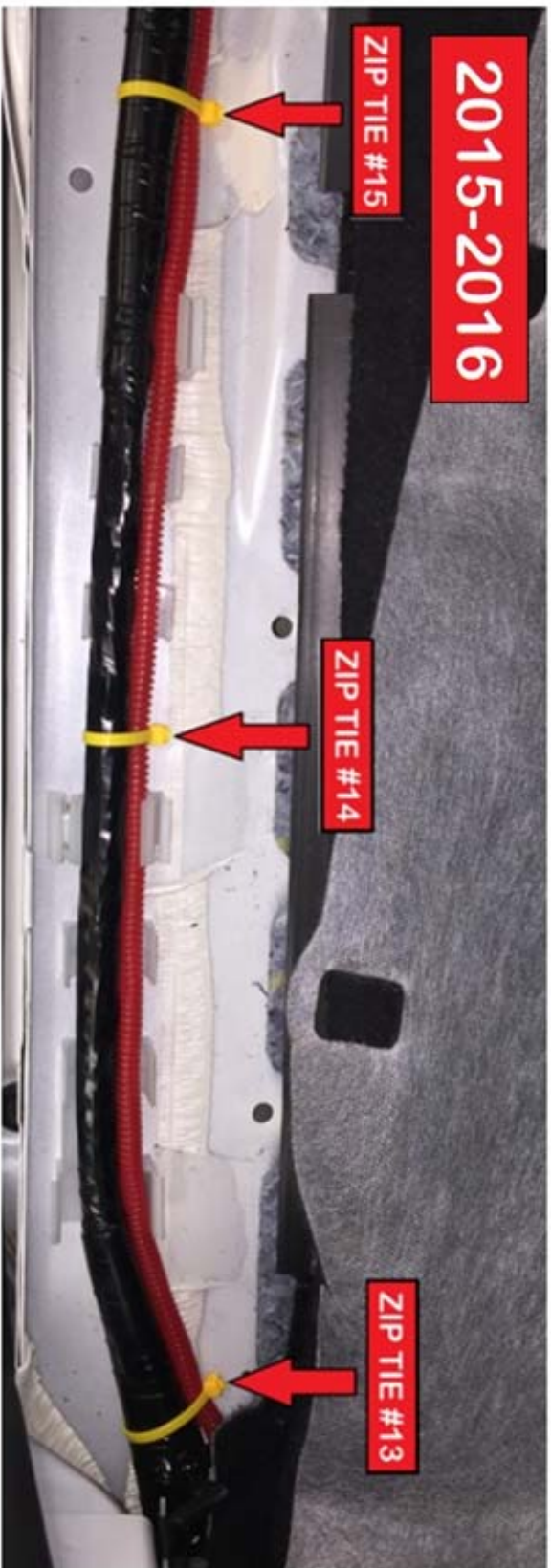
FRONT

2015-2016

ZIP TIE #15

ZIP TIE #14

ZIP TIE #13



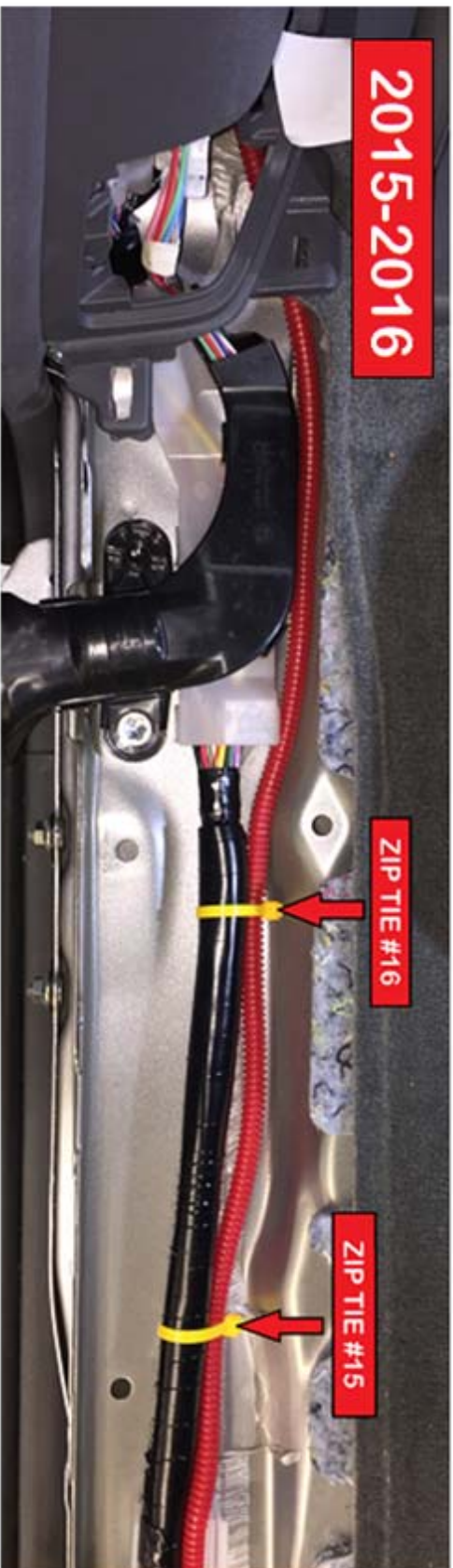
## PASSENGER SIDE - DIAGRAM #3

FRONT

2015-2016

ZIP TIE #16

ZIP TIE #15



## ◀ VERIFY REPAIR QUALITY ▶

Confirm the following is operational:

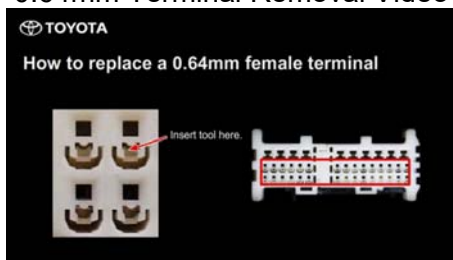
- Power sliding doors (LH & RH)
- Power Windows (FR, FL, RR, RL)
- Power Door Locks (FR, FL, RR, RL)

Verify the following:

- Health Check shows no DTC's
- Passenger seat has had Zero Point Calibration and Sensitivity Check completed.

## XVII. APPENDIX

### 0.64mm Terminal Removal Video



### 1. REPLACEMENT OF 0.64MM TERMINAL

If connectors 2D or 2H is damaged while servicing, the terminals can be removed so that these connectors can be replaced. An additional terminal removal tool has been provided to remove the 0.64mm terminals in these connectors. The part numbers for these connectors is provided in Section III. View the following animation to see how the 0.64mm terminals are removed:

#### [0.64mm Terminal Removal Video](#)



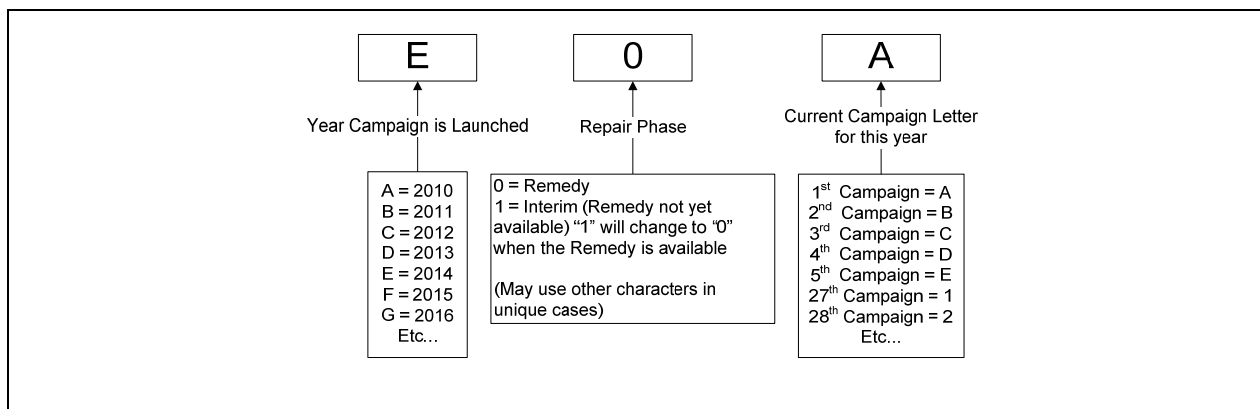
0.64mm Terminal Tool

**Note:** The cost associated with replacing these damaged connector housings is not covered by this Recall.

### 2. PARTS DISPOSAL

As required by Federal Regulations, please make sure all recalled parts (original parts) removed from the vehicle are disposed of in a manner in which they will not be reused, ***unless requested for parts recovery return.***

### 3. CAMPAIGN DESIGNATION DECODER



Examples: A0D = Launched in 2010, Remedy Phase, 4<sup>th</sup> Campaign Launched in 2010  
 B1E = Launched in 2011, Interim Phase, 5<sup>th</sup> Campaign Launched in 2011  
 C1C = Launched in 2012, Interim Phase, 3<sup>rd</sup> Campaign Launched in 2012