

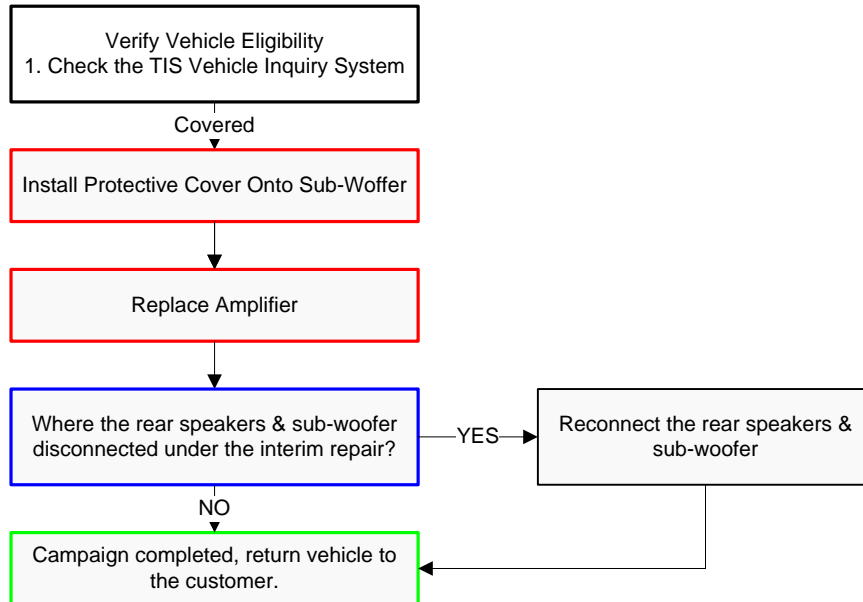
TECHNICAL INSTRUCTIONS
FOR
SAFETY RECALL CAMPAIGN F0D
CERTAIN 2011-2012 MODEL AVALON
PREMIUM AUDIO SYSTEM - REAR SUB-WOOFER

The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this procedure 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 are required to currently hold at least one of the following certification levels to perform this operation:

- Toyota Certified Electrical
- Toyota Expert Electrical
- Master
- Master Diagnostic Technicians

It is the dealership's responsibility to select technicians with the above certification level or greater to perform this 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

NOTE:

- Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this Recall 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 conducted on vehicles that are not affected or were completed by another dealer.**

III. PREPARATION

A. TOOLS & EQUIPMENT

- Standard Hand Tools
- Torque Wrench

Part Number	Description	Quantity
00002-06000-01	Plastic Pry Tool Set	1

B. PARTS

Part Number	Description	Quantity
04005-16107	Sub-Woofers Repair Kit	1

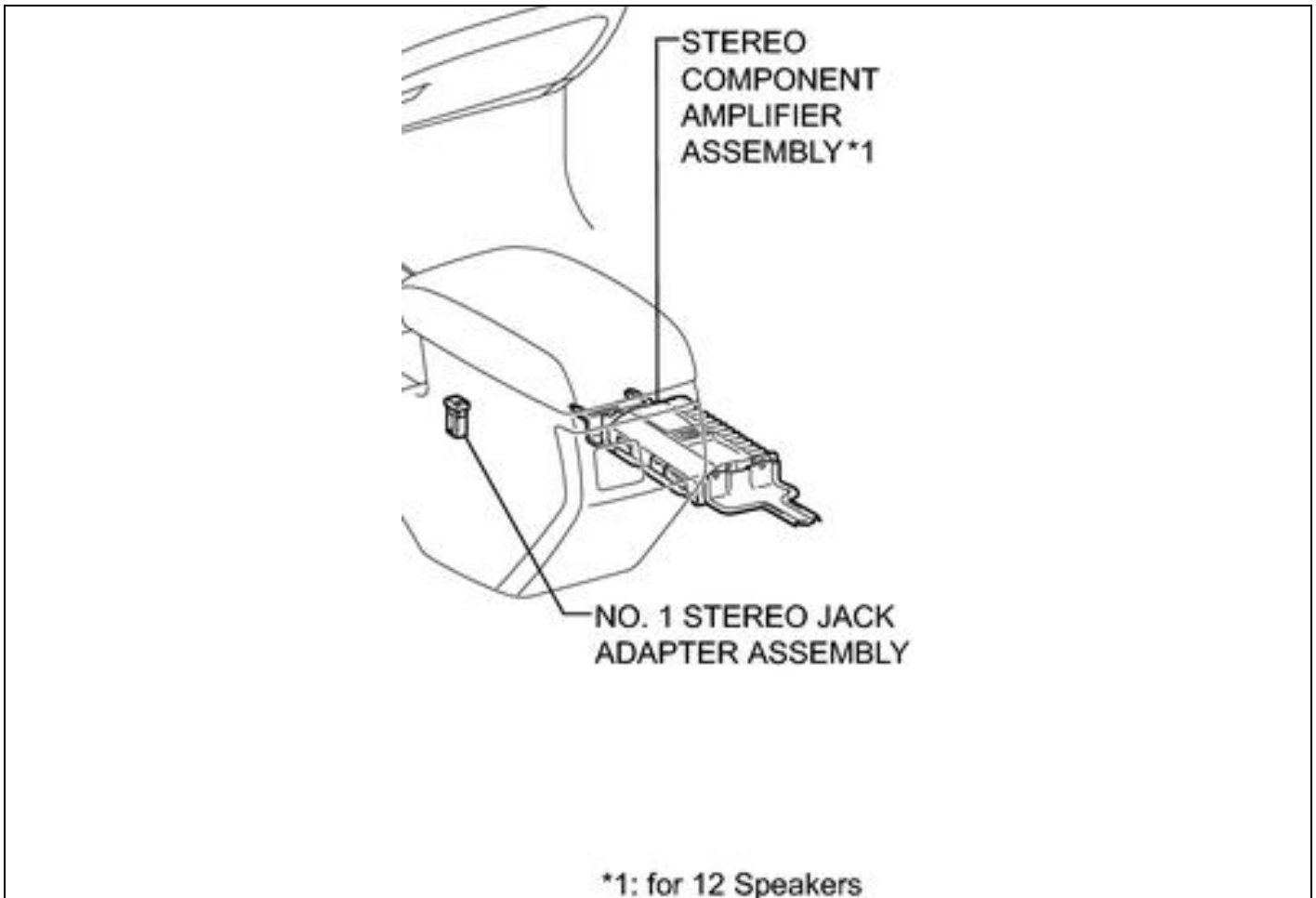
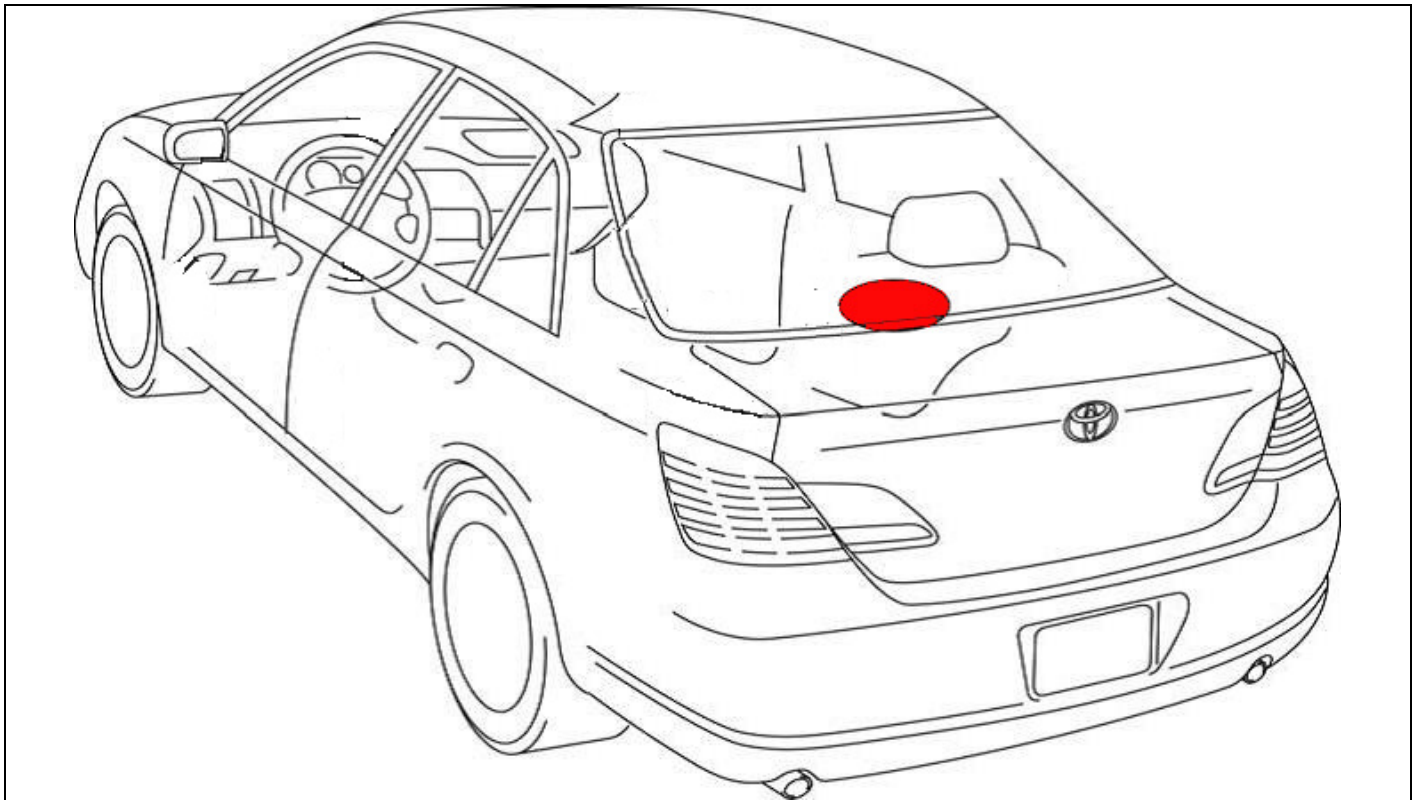
The Sub-Woofers kit contains the following:

Part Number	Description	Quantity
86161-07070	Sub-Woofers Protective Cover	1
86280-07080	Stereo Amplifier	1

IV. BACKGROUND

The subject vehicles are equipped with a 12-speaker, premium audio system package which includes a sub-woofer mounted inside the trunk. Large or loose cargo located in the trunk could contact one of the sub-woofer wires, and move it out of its normal position. If one of these wires contacts the metal frame of the sub-woofer, it may result in an intermittent short circuit. If this occurs, the sub-woofer could overheat, increasing the risk of a fire.

V. COMPONENTS

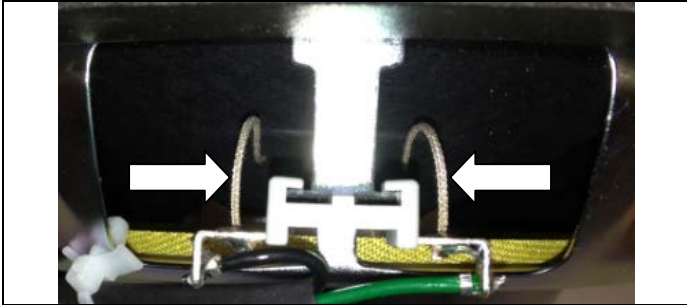


VI. WORK PROCEDURE



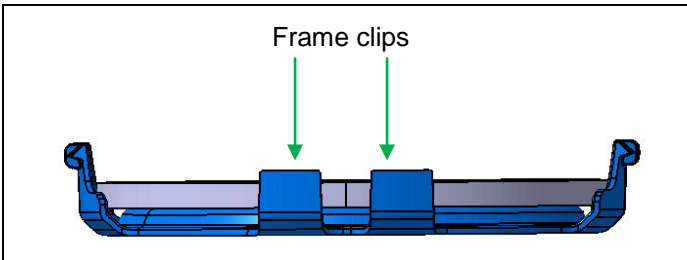
1. INSTALL SUB-WOOFER PROTECTIVE COVER

- a) Locate the sub-woofer in the trunk on the parcel shelf.
- b) Check that the area around the woofer is clear of any external objects.

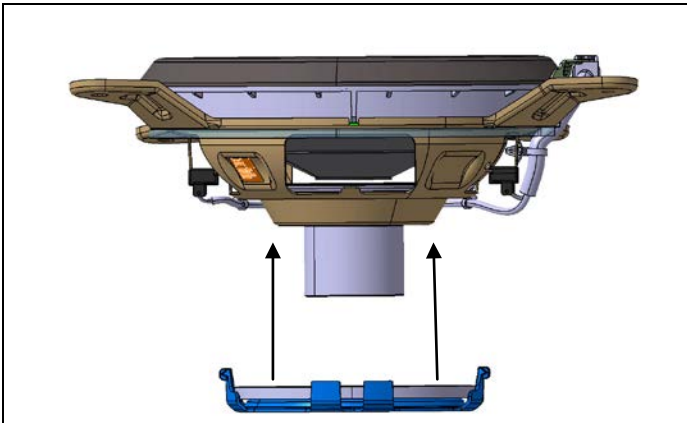


- c) Inspect the wires on each side of the woofer from the connector to the speaker cone.

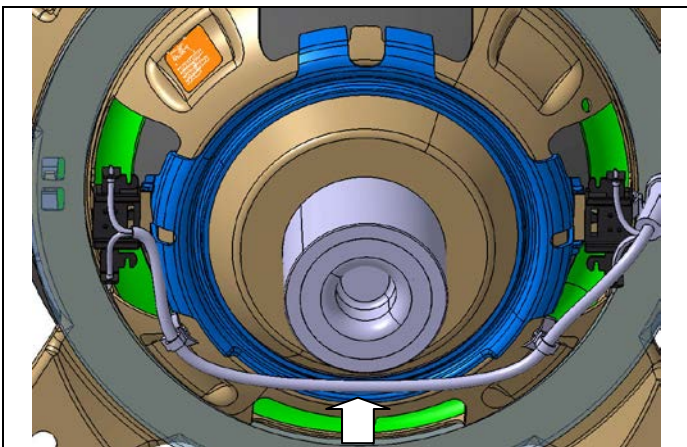
NOTE: The wires going to the speaker cone must not touch the metal frame and be positioned as shown.



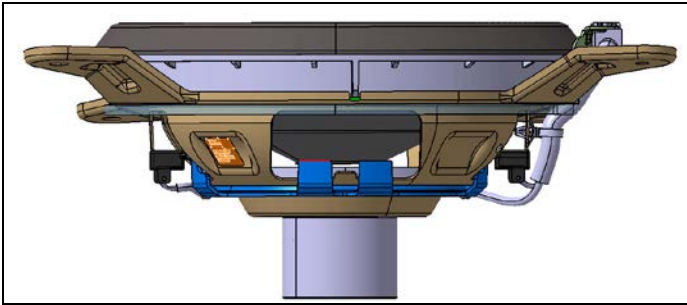
- d) The protective cover will be installed onto the woofer with the frame clips towards the rear of the vehicle.



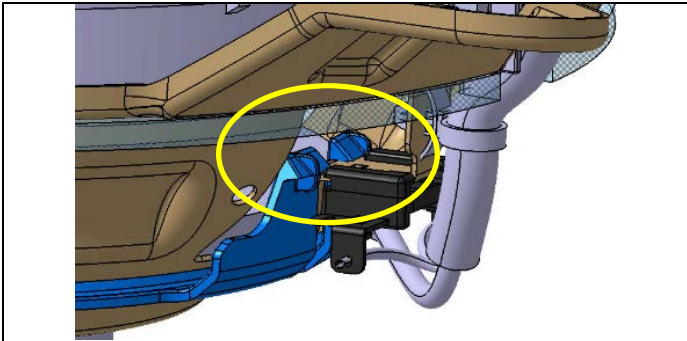
- e) Install the protective cover onto the woofer.



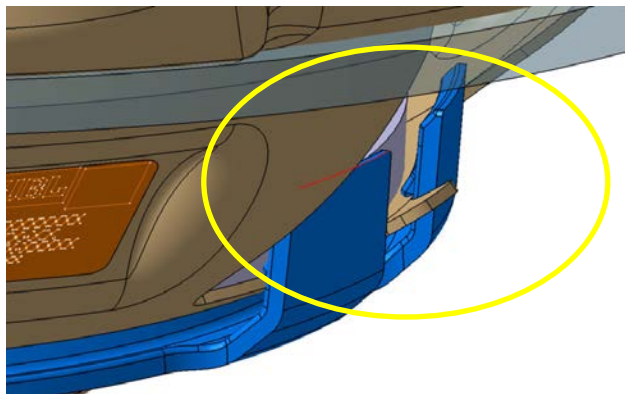
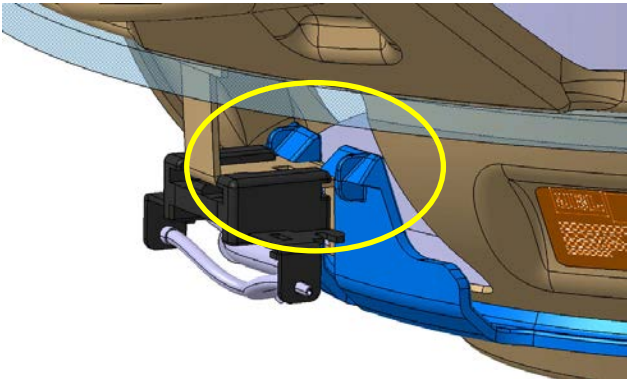
- f) When installing the cover, ensure that the cover goes above the woofers sub-harness.

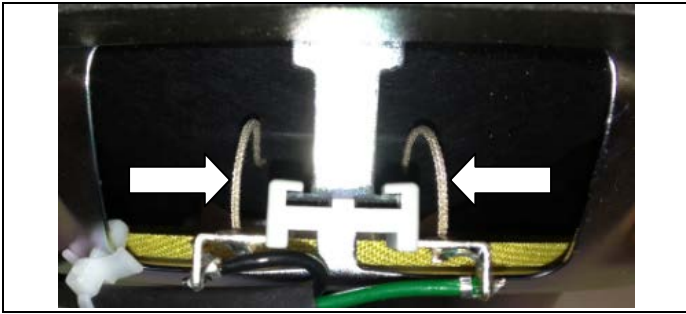


g) Engauge all 6 cover clips onto the woofer.



h) Ensure that all 6 cover clips are fully engaged.





- i) Recheck that the protective cover is secure on the woofer.
- j) Recheck the wires on each side of the woofer from the connector to the speaker cone.

NOTE: The wires going to the speaker cone must not touch the metal frame and be positioned as shown.

2. REPLACE STEREO AMPLIFIER

Refer to the Technical Information System (TIS), using the applicable vehicle and model year.

Remove Amp

[2011 Avalon](#)
03/2010 -12/2010 Production

[2011 Avalon](#)
12/2010- Production

[2012 Avalon](#)

Install Amp

[2011 Avalon](#)
03/2010 -12/2010 Production

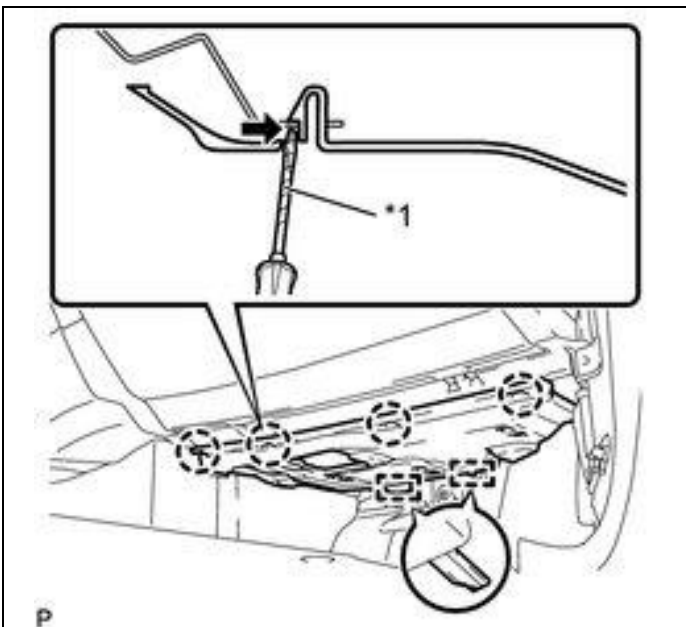
[2011 Avalon](#)
12/2010- Production

[2012 Avalon](#)

VII. RECONNECT REAR SPEAKERS AND SUB-WOOFER (IF NECESSARY)



This procedure only needs to be performed on vehicles that had the rear speakers and sub-woofer disconnected under the interim procedure.

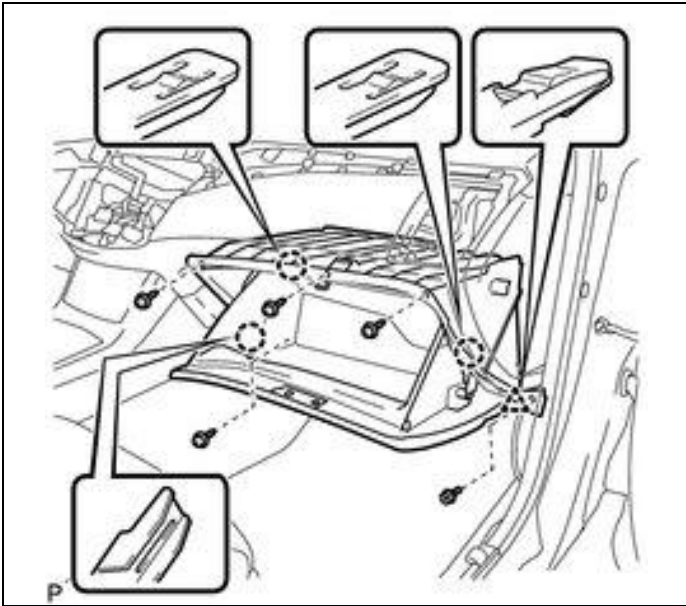


1. REMOVE THE RIGHT COWL SIDE TRIM

2. REMOVE THE NO. 2 INSTRUMENT PANEL UNDER COVER

- a) Disengage the 4 claws and 2 guides as shown in the illustration.
- b) Disconnect each electrical connector and remove the panel.

Note: Wrap the tip of a screwdriver with tape to protect the panels.



3. REMOVE THE LOWER INSTRUMENT PANEL

- a) Remove the 4 screws and bolt.
- b) Disengage the 3 claws and clip to remove the panel.



4. LOCATE THE REAR SPEAKER CONNECTOR

- a) Locate the black connector in the area of the junction block.

NOTE: The connector in the interim procedure was to be secured to an adjacent wire harness with electrical tape.

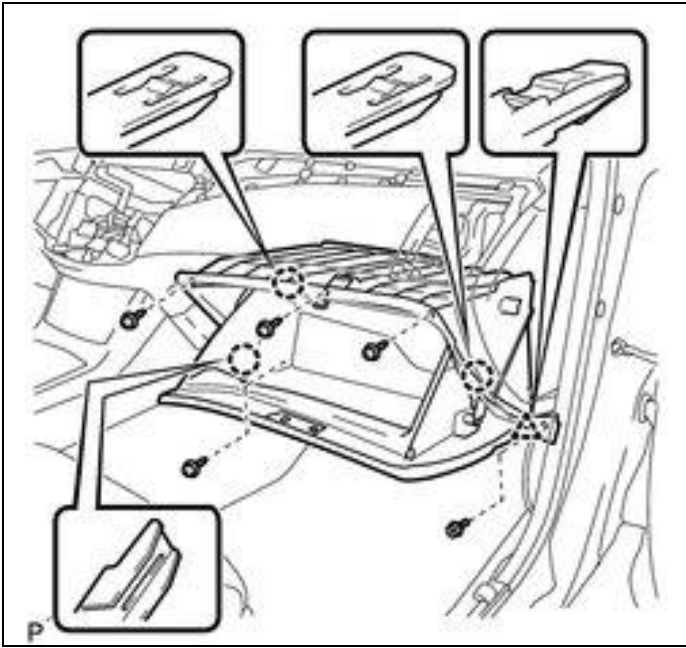
- b) Unwrap the electrical tape.



5. REINSTALL THE CONNECTOR

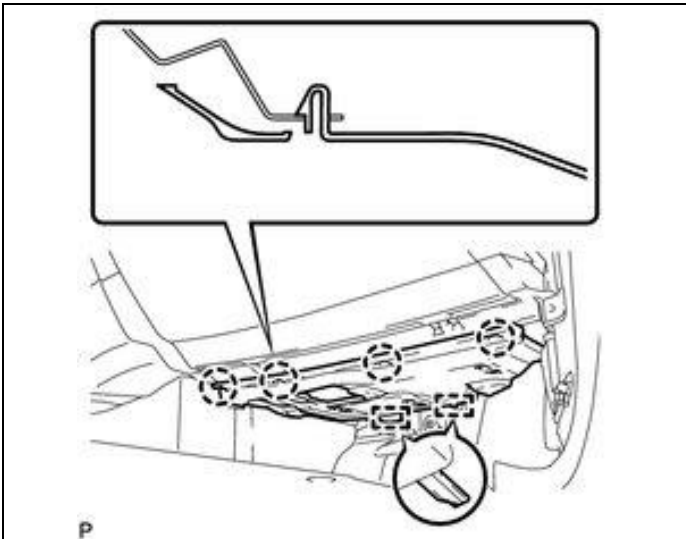
- a) Reinstall the rear speaker connector into the junction block.

NOTE: The connector cavity is in the lower right hand corner of the J/B.



6. REINSTALL THE LOWER INSTRUMENT PANEL

- a) Engage the 3 claws and clip.
- b) Reinstall the 4 screws and bolts.



7. REINSTALL NO.2 INSTRUMENT PANEL UNDER COVER

- a) Connect each connector.
- b) Engage the 4 claws and 2 guides.

8. REINSTALL THE RIGHT COWL SIDE TRIM

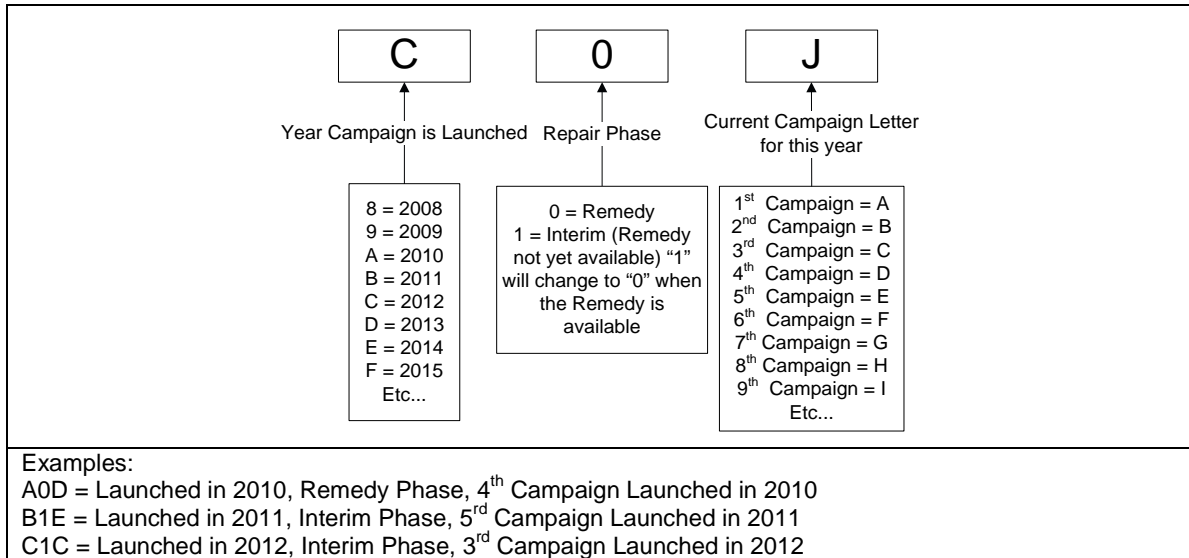
◀ VERIFY REPAIR QUALITY ▶

- Confirm that the Sub-Woofer protective cover is secure.
- Confirm proper audio system operation.

If you have any questions regarding this campaign, please contact your area representative.

VIII. APPENDIX

A. CAMPAIGN DESIGNATION DECODER



B. CAMPAIGN PARTS DISPOSAL

As required by Federal Regulations, please make sure all campaign 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.***