

**TECHNICAL INSTRUCTIONS**  
**FOR**  
**SAFETY RECALL F1V (F0V)**  
**PRE-COLLISION SYSTEM DISABLEMENT (INTERIM)**  
**CERTAIN 2013 –2015 MODEL YEAR AVALON**

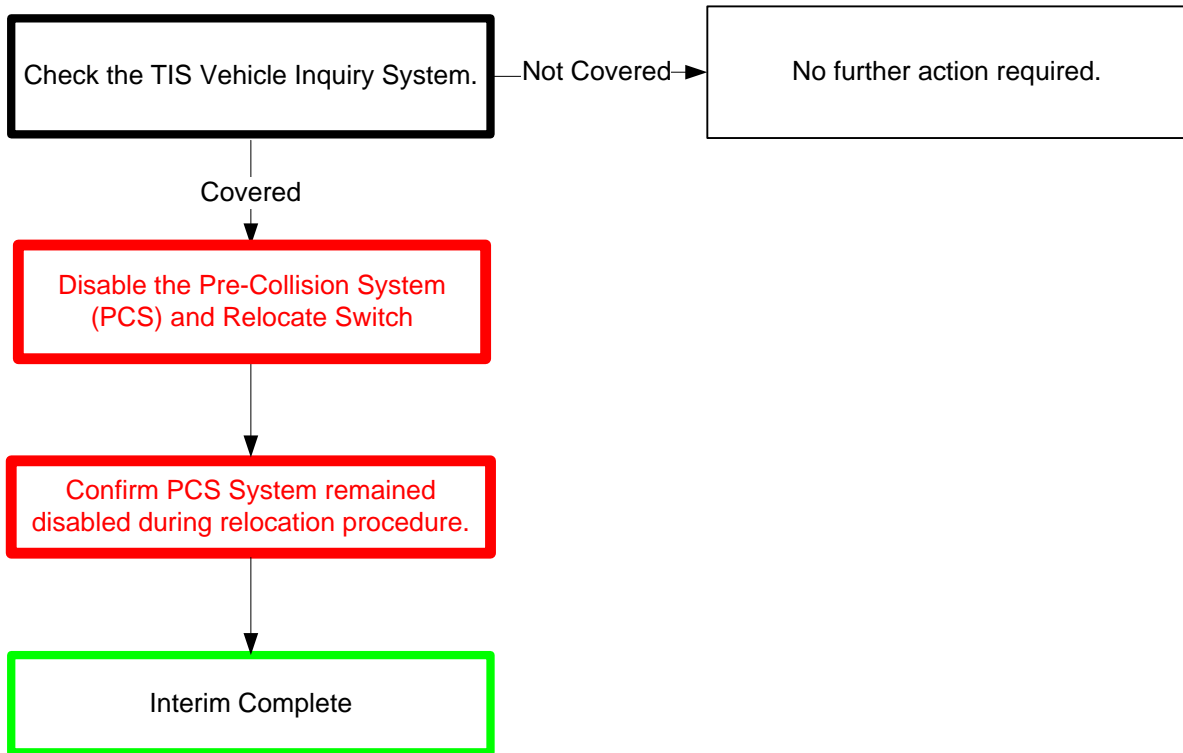
The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this repair are required to successfully complete the most current version of the E-Learning course “Safety Recall and Service Campaign Essentials”. To ensure that all vehicles have the repair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

- Certified Technician (any specialty)
- Expert Technician (any specialty)
- Master Technician
- Master Diagnostic Technician

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.

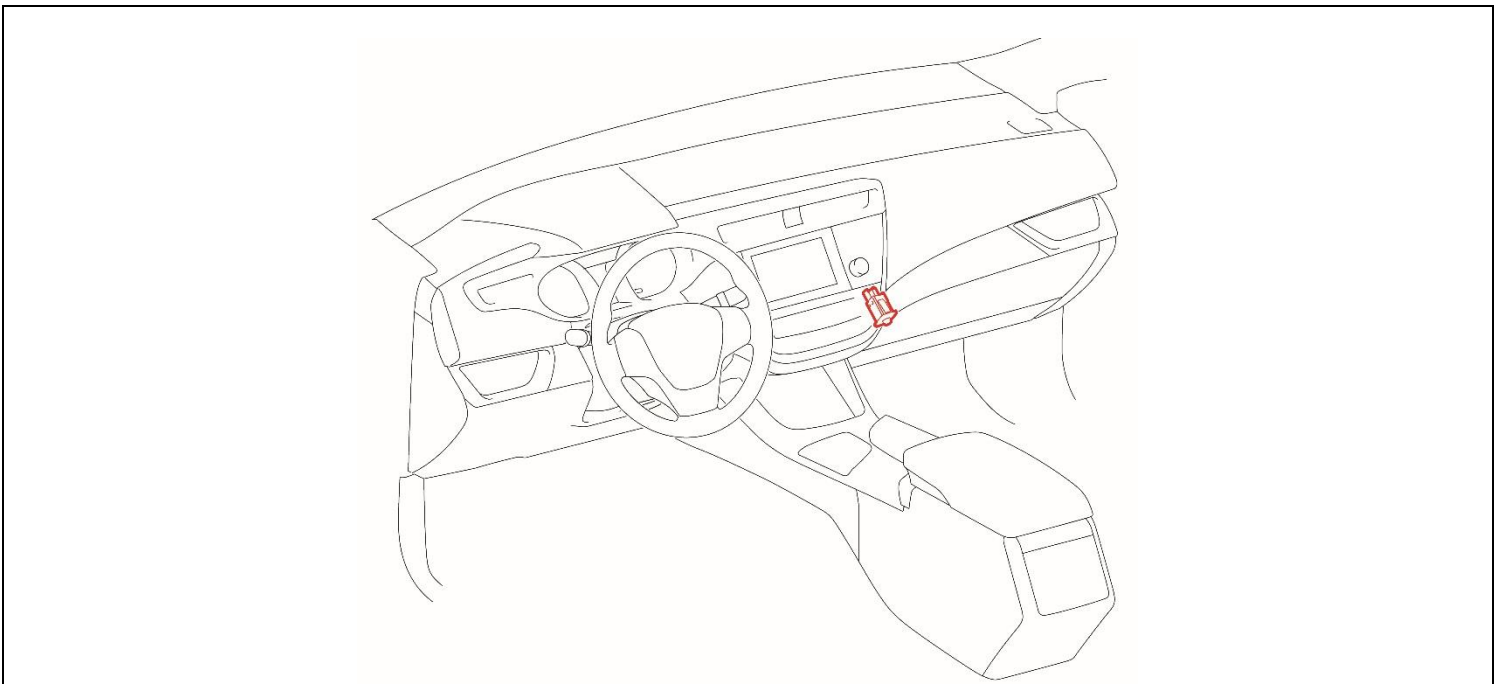
## I. OPERATION FLOW CHART

The flow chart is for reference only. **DO NOT** use it in place of the full technical instructions. Follow **ALL** steps as outlined in the full technical instructions to confirm the campaign is completed correctly.



## II. BACKGROUND

In certain driving situations, the optional Pre-Collision System (PCS), on the involved vehicles could interpret a steel road joint or steel plate in the road surface as an obstacle or vehicle in the path of travel and activate. When the system activates, the vehicle's brakes are applied automatically, the system activates Brake Assist mode, and the front seat belts may tighten. The driver will hear a warning buzzer, the PCS indicator lamp will illuminate, and a message will appear on the multi-information display.



### III. IDENTIFICATION OF AFFECTED VEHICLES

- Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this Safety 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.**

### IV. PREPARATION

#### A. PARTS



**DO NOT throw out the plastic bag that the plastic cap comes in, it will be used in the relocation procedure for the PCS switch.**

Part Number	Description	Qty
55539-0E010	Plastic Cap	1
00411-150001*	Notice Hang Tag	1

**\*Notice Hangtags were distributed to your dealer at the launch of the campaign, however if additional hang tags are needed they can be obtained through the MDC.**

#### B. MATERIALS

Part Description	Part Number
Single Sided Foam Tape	Local Source
Black Electrical Tape	Local Source

#### C. TOOLS & EQUIPMENT

- Standard hand tools
- Molding remover set
- Torque wrench
- Techstream

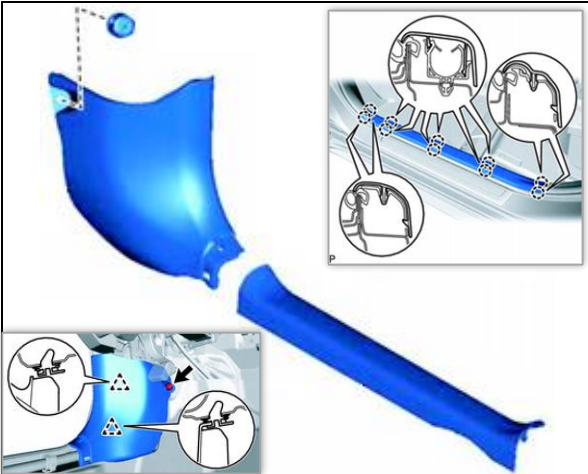
## V. WORK PROCEDURE

### A. VEHICLE DISASSEMBLY

1. SLIDE THE FRONT PASSENGER SEAT AS FAR REAR WARD AS POSSIBLE
2. DISCONNECT THE NEGATIVE TERMINAL OF THE BATTERY



- Wait at least 90 seconds after disconnecting the battery terminal to prevent airbag and seat belt pre-tensioner deployment.
- Follow all precautions as outlined on TIS before servicing the SRS system.



3. REMOVE THE FRONT PASSENGER DOOR SCUFF PLATE AND COWL SIDE TRIM PANEL

Note: Driver's side door scuff plate & cowl trim panel is shown for retention clip/claw locations.



4. DISENGAGE THE FRONT PASSENGER DOOR WEATHERSTRIP

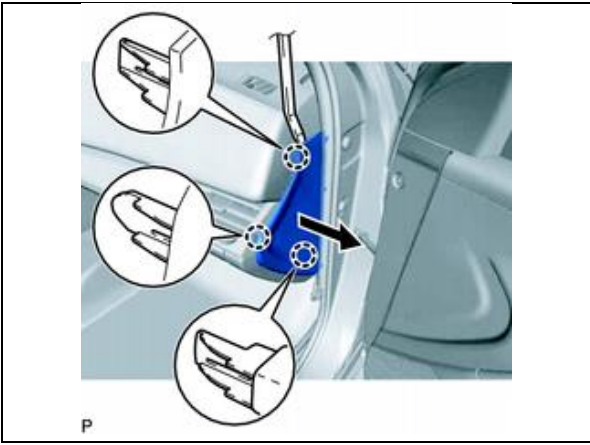


5. REMOVE THE NO. 2 INSTRUMENT PANEL UNDER COVER

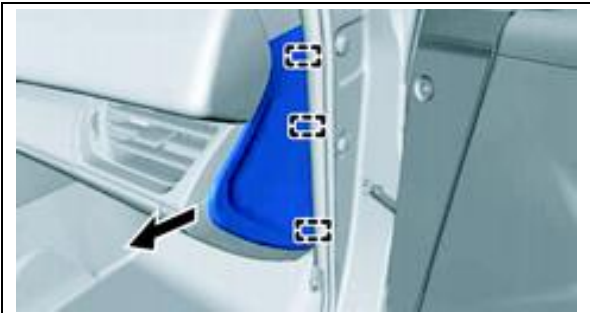
- a) Disengage the 4 claws and two guides to remove the undercover.

6. REMOVE INSTRUMENT SIDE PANEL

- a) Using a plastic molding remover, disengage the 3 claws.

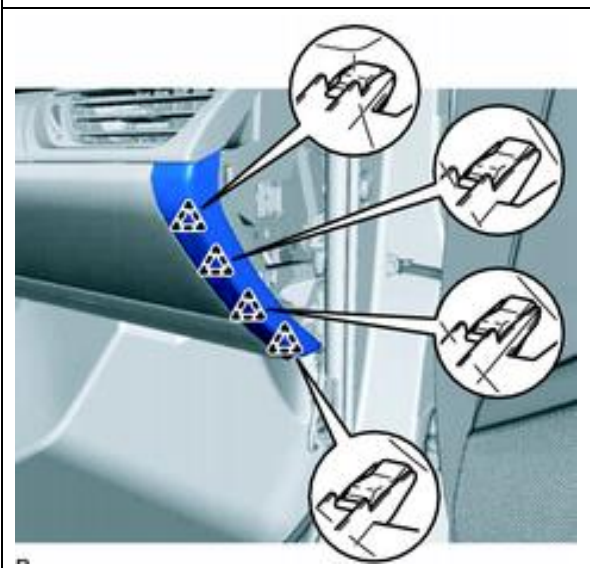


- b) Disengage the 3 guides and remove the panel as shown.



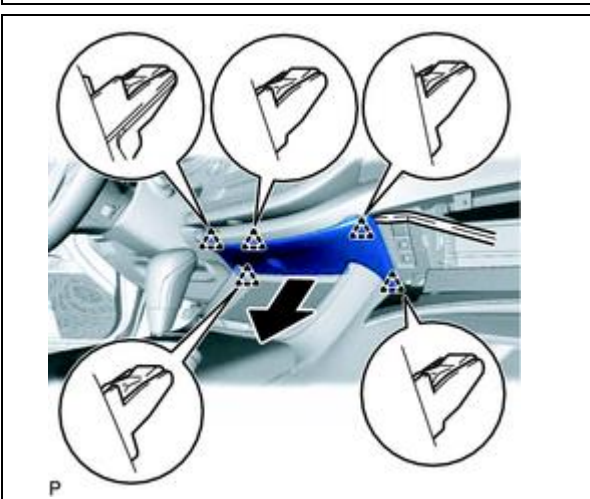
### 7. REMOVE GLOVE COMPARTMENT PLATE

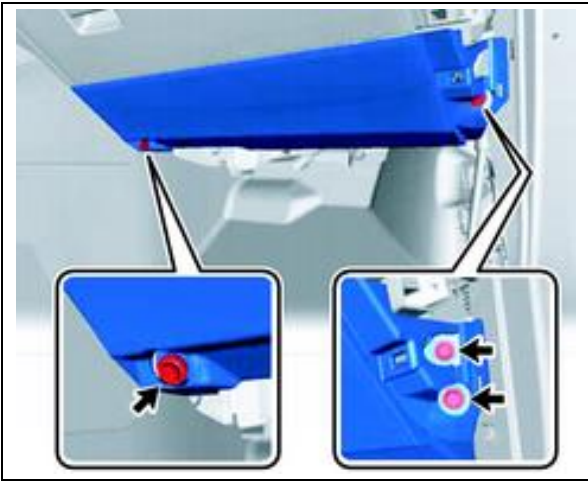
- a) Disengage the 4 clips and remove the glove compartment plate.



### 8. REMOVE LOWER CENTER INSTRUMENT PANEL FINISH PANEL

- a) Using a molding remover, disengage the 5 clips as shown in the illustration.
- b) Disconnect the connector and remove the lower center instrument panel finish panel.



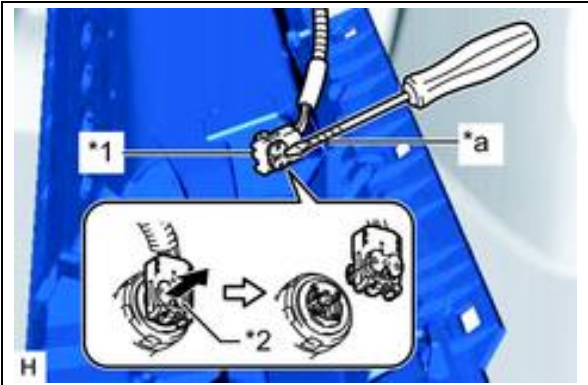


## 9. REMOVE PASSENGER KNEE AIRBAG

a) Remove the 3 bolts.



b) Disengage the 3 claws and separate the airbag from the instrument panel.



c) Using a taped screwdriver carefully release the airbag connector lock.

d) Disconnect the connector and remove the airbag.

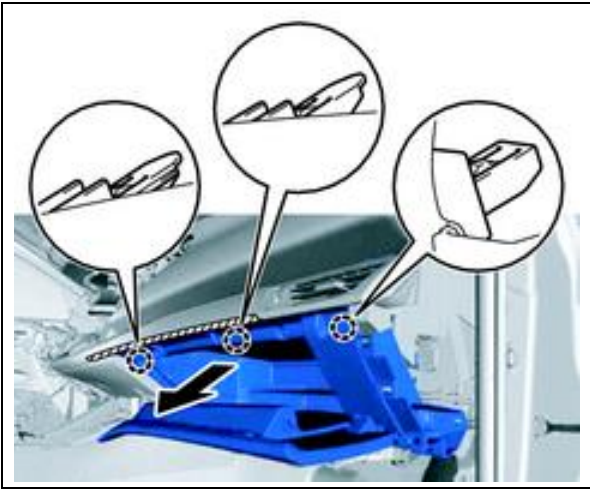


## 10. REMOVE GLOVE BOX

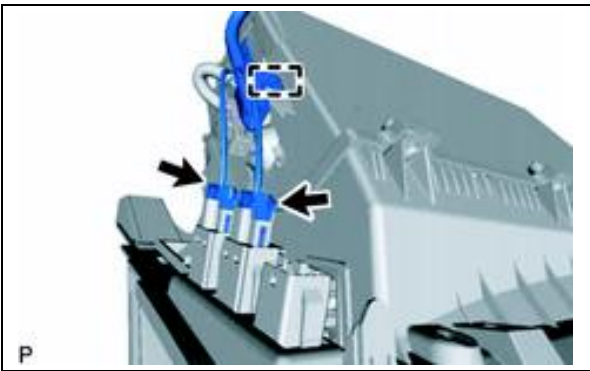
a) Apply protective tape to the instrument panel as shown to ensure the leather is not damaged during removal.



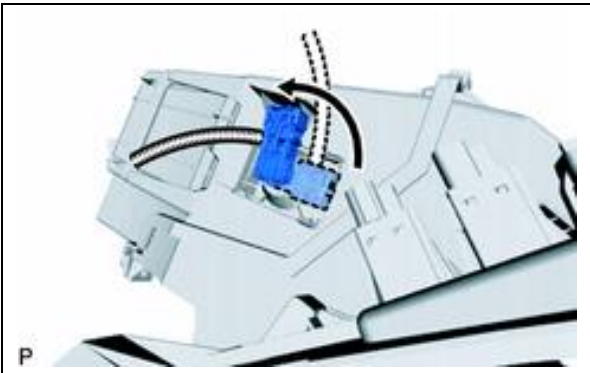
b) Remove the 5 screws



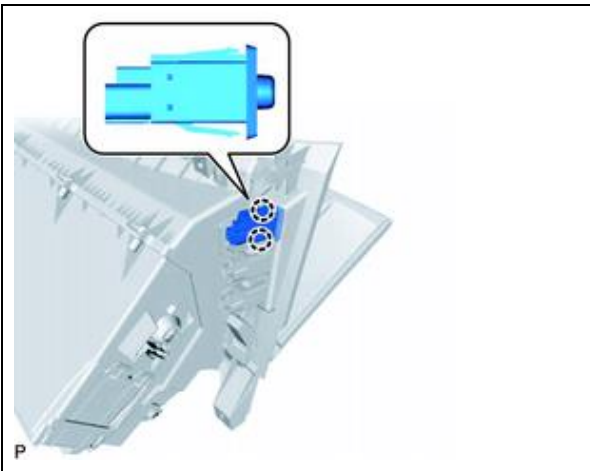
c) Disengage the 3 claws and slowly remove the glove box.



d) Remove the electrical connectors



e) Remove the glove box light.



**11. REMOVE THE PCS SWITCH FROM THE GLOVE BOX ASSEMBLY**

## B. DISABLE AND RELOCATE PCS SWITCH



### 1. DISABLE THE PCS SYSTEM

- a) Confirm the PCS Switch to the “Off” position as shown.



**While relocating the switch always use caution to ensure the switch remains in the “Off” position.**

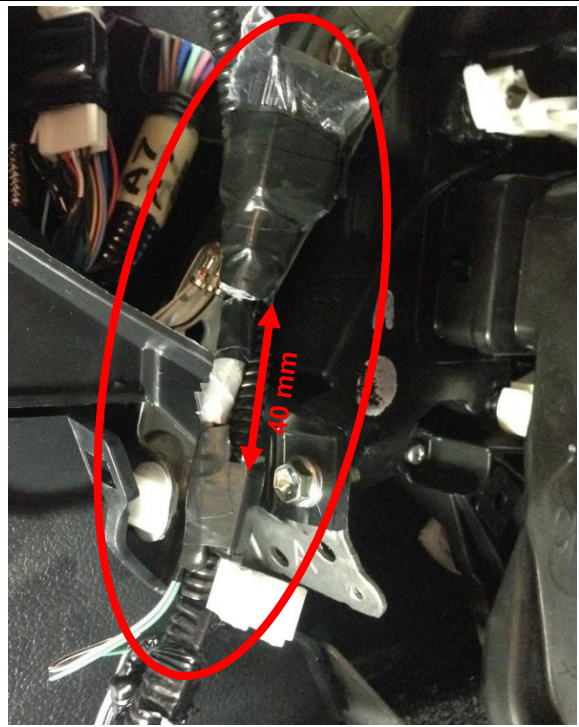
### 2. SECURE AND INSULATE THE PCS SWITCH

- a) Reconnect the PCS switch connector.
- b) Using the plastic bag that the glove box plastic cap is provided in, cover the PCS switch and wire harness as shown:

**Note: The plastic bag is required to protect the switch from tape adhesive when securing it to the wire harness.**



- c) Using electrical tape secure the PCS switch and plastic bag to the glove box wire harness as shown.
- d) The PCS switch should be attached approximately 40 mm above the white alligator clip housing as shown.





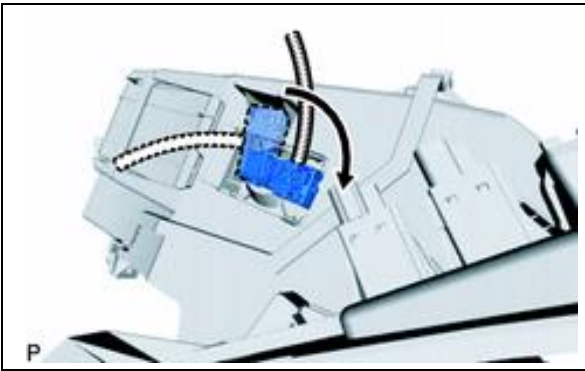


- e) Using rubber foam tape insulate both the PCS switch and wires (green and white) to protect them from damage and to prevent rattle noises.



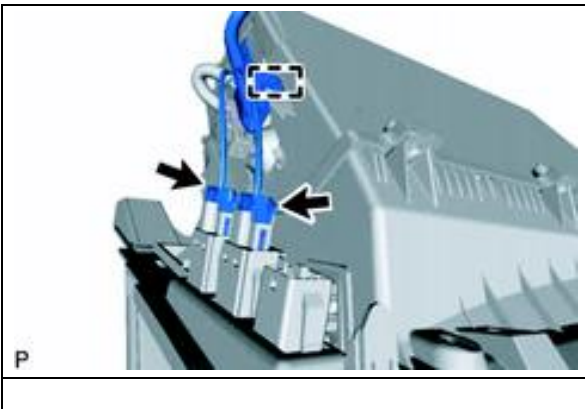
**This is a crucial step to ensure customer satisfaction and to ensure the wires are not damaged by the sharp metal under the dash.**

### C. VEHICLE REASSEMBLY



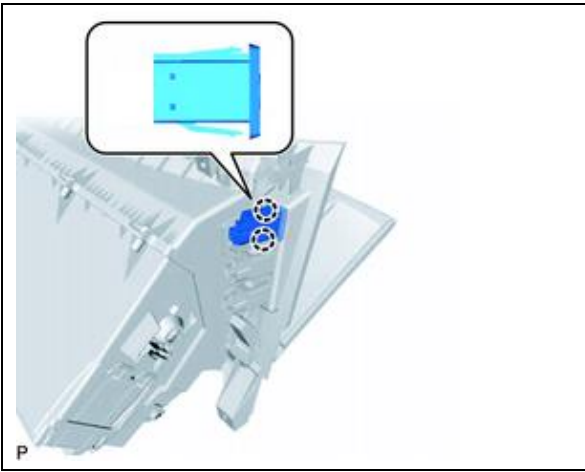
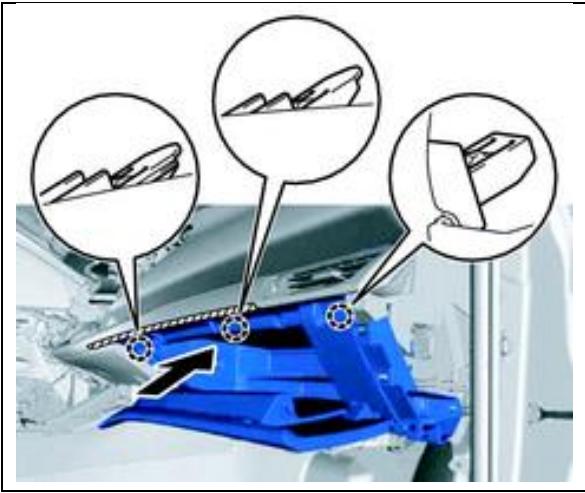
#### 1. INSTALL THE GLOVE BOX

- a) Install the glove box light as shown.



- b) Install the connectors as shown..

- c) Engage the 3 claws as shown.

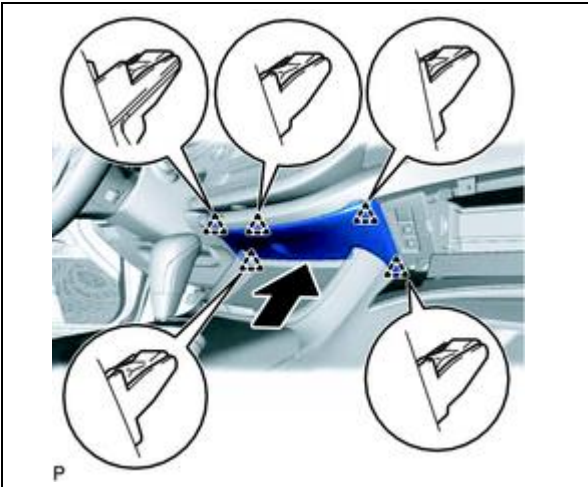


d) Install the 5 screws as shown.

e) Install the switch blank where the PCS switch was previously installed and confirm both claws lock.

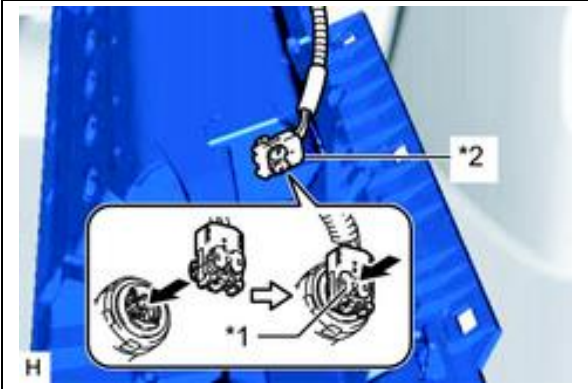
f) After installing the glove box ensure that the relocated PCS switch is still secured and that no wires are contacting the metal brackets located under the dash.

**Note: This picture was taken looking up from the passenger foot well.**



**2. REINSTALL LOWER CENTER INSTRUMENT PANEL FINISH PANEL**

- a) Connect connector.
- b) Engage the 5 clips as shown.

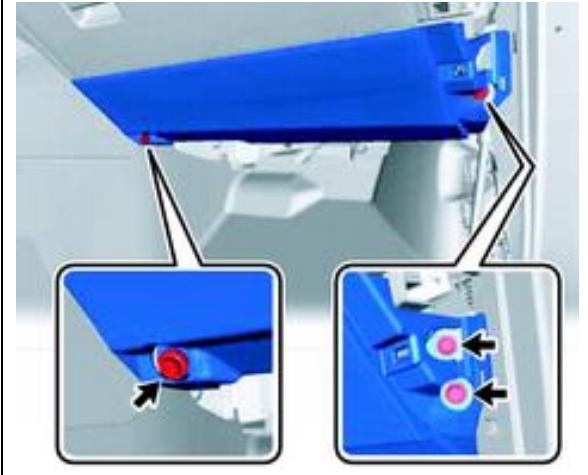


**3. REINSTALL THE PASSENGER KNEE AIRBAG**

- a) Reinstall the knee airbag connector and lock the connector as shown.

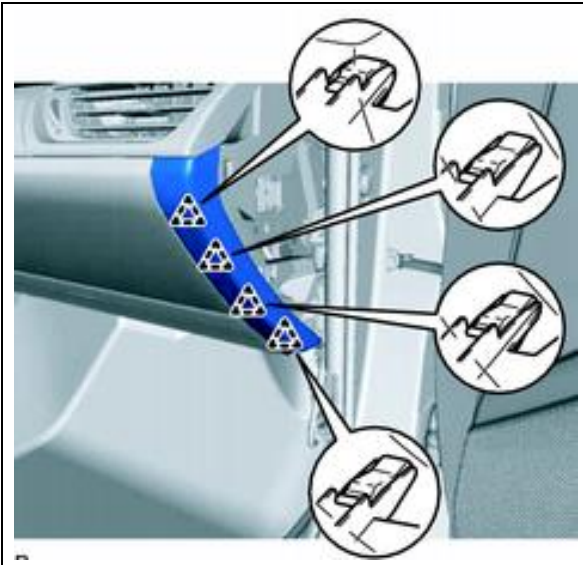


- b) Engage the 3 claws to temporarily install the knee airbag.



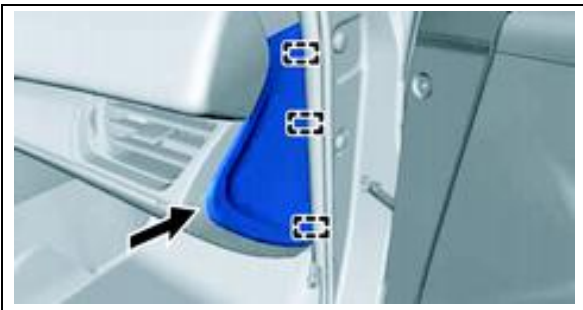
- c) Install the 3 bolts and torque to spec.

**Torque Spec: 7ft-lbs (102kgf-cm, 10Nm)**



**4. REINSTALL THE GLOVE COMPARTMENT PLATE**

- a) Engage the 4 claws as shown.



**5. REINSTALL THE INSTRUMENT SIDE PANEL**

- a) Engage the 3 guides as shown.



- b) Engage the 3 claws as shown.

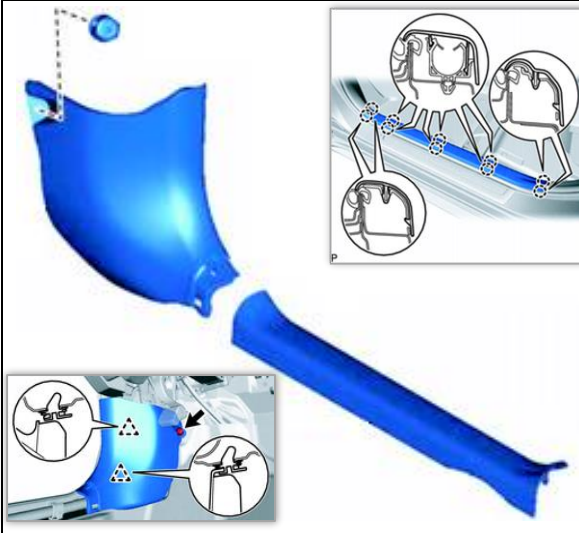


**6. REINSTALL THE NO. 2 INSTRUMENT PANEL UNDER COVER**

- a) Connect the connectors.
- b) Engage the 2 guides and 4 claws as shown.



7. RECONNECT THE PASSENGER FRONT DOOR WEATHERSTRIP




8. REINSTALL THE COWL SIDE TRIM PANEL AND DOOR SCUFF PLATE.

9. RECONNECT THE BATTERY TERMINAL

**D. CONFIRM PCS SYSTEM IS DISABLED**



1. CONFIRM PCS LIGHT REMAINS ILLUMINATED AFTER BULB CHECK



If the PCS light does not remain this indicates that the switch did not remain in the “Off” position.



2. INSTALL THE NOTICE TAG

- a) Install the notice tag on the driver's side storage tray.

**Note:** Early production notice tags will require you to cut out the upper left corner of the tag so that the customer will be able to access tray release button.

## ◀ VERIFY REPAIR QUALITY ▶

- Confirm all precautions are followed to ensure safety during the repair
- Confirm the PCS System remained disabled.
- Confirm the notice tag is installed.

If you have any questions regarding this update, please contact your regional representative.

### VI. APPENDIX

#### A. CAMPAIGN DESIGNATION DECODER

