

TECHNICAL INSTRUCTIONS
FOR
SAFETY RECALL F2E (FLE)
PRE-COLLISION SYSTEM DISABLEMENT (INTERIM)
CERTAIN 2013 –2015 MODEL YEAR ES350 and ES300H

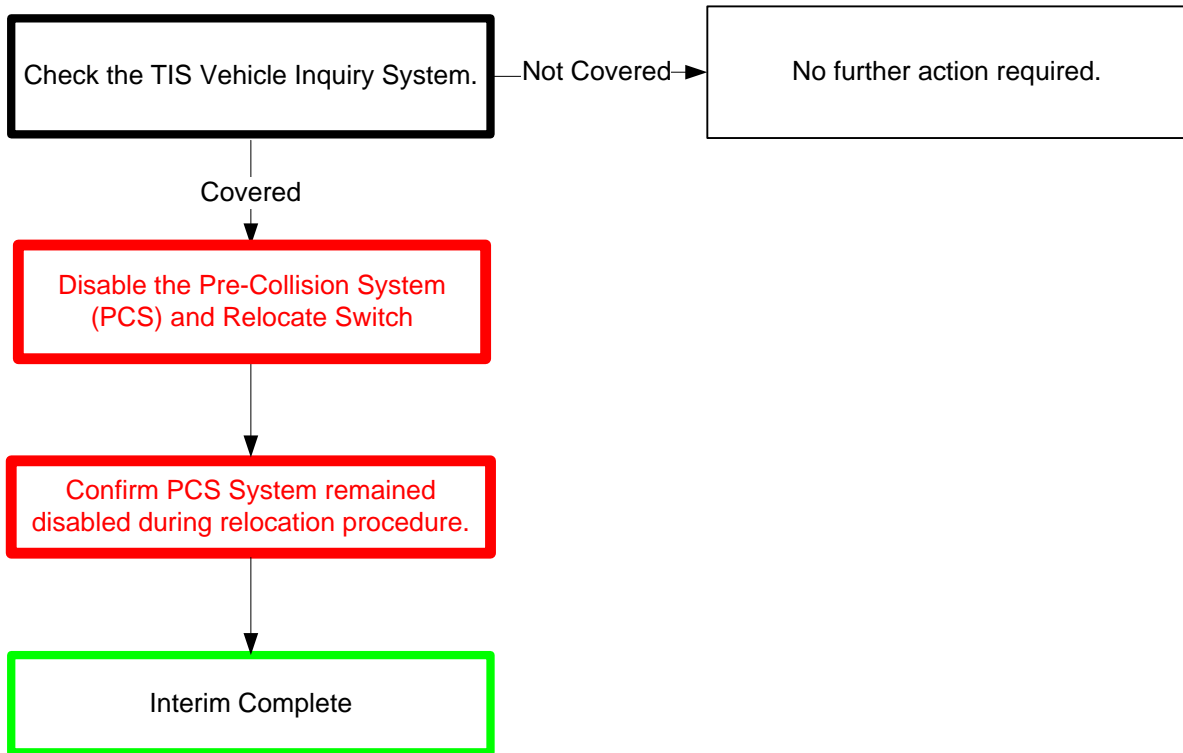
The repair quality of covered vehicles is extremely important to Lexus. All dealership technicians performing this repair are required to successfully complete the most current version of the E-Learning course “Safety Recall and Service Campaign Essentials”. To ensure that all vehicles have the repair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

- Certified Technician
- Senior Technician
- Master Technician
- Diagnostic Specialist

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.

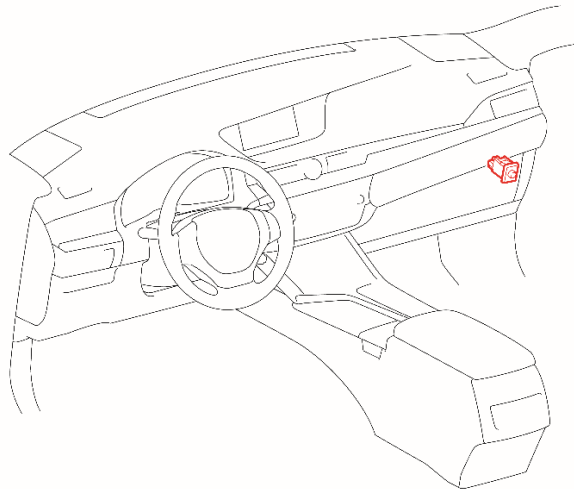
I. OPERATION FLOW CHART

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.



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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
00241-150001*	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

C. TOOLS & EQUIPMENT

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

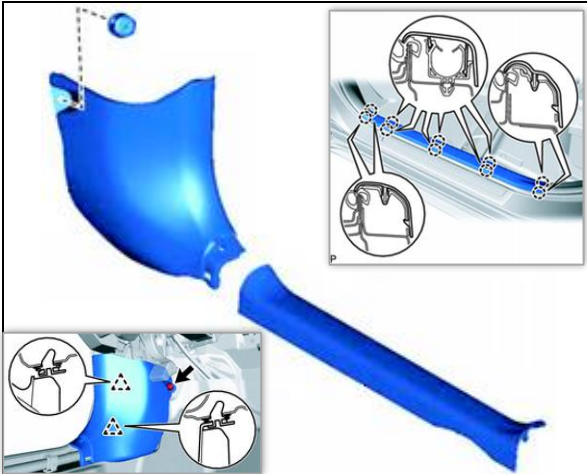
V. WORK PROCEDURE

A. VEHICLE DISASSEMBLY

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

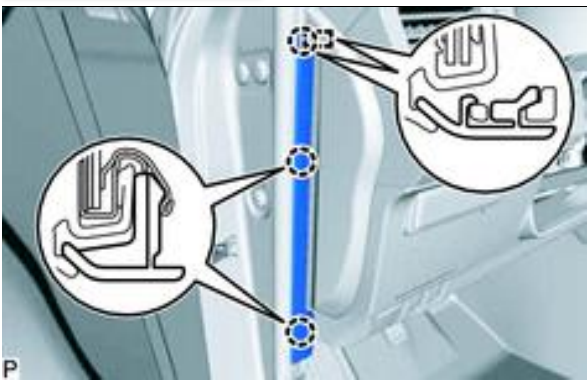


- Wait at least 90 seconds after disconnecting the battery terminal to prevent airbag and seat belt pre-tensioner deployment.
- Follow all precautions as outlined on TIS before servicing the SRS system.



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

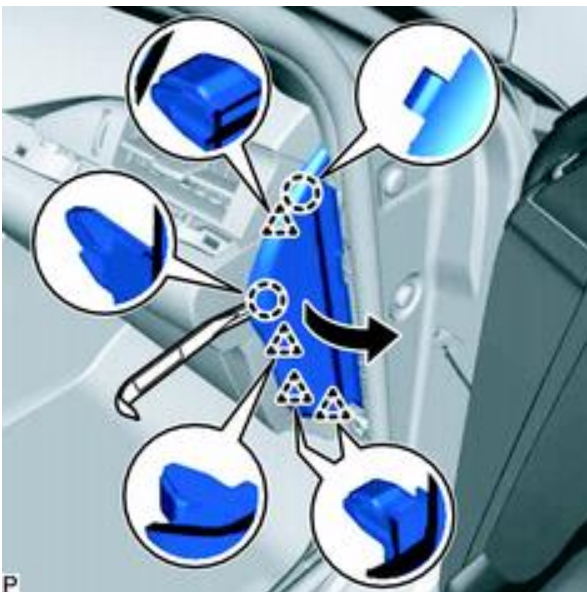
Note: Driver's side door scuff plate & cowl trim panel is shown for retention clip/claw locations.



4. REMOVE THE FRONT DOOR OPENING TRIM COVER

Disengage the 3 claws as shown.

Note: Driver's side shown for reference to show where claws are located.

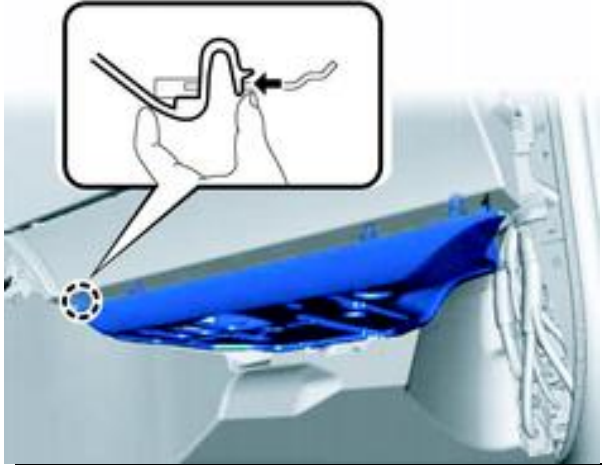


5. REMOVE INSTRUMENT SIDE PANEL

- a) Using a plastic molding remover, disengage the 2 claws and 4 clips as shown.

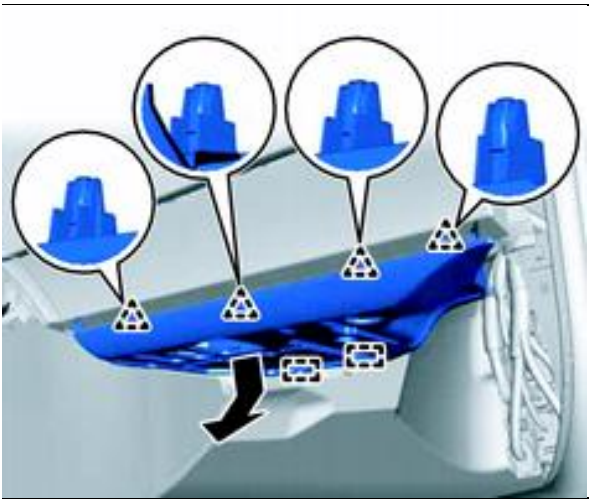


b) Disengage the 2 guides and remove the panel as shown.



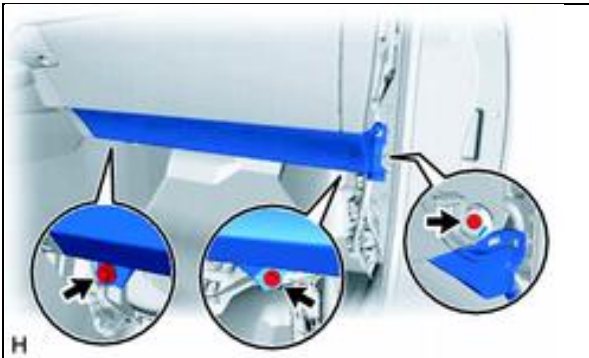
6. REMOVE THE NO. 2 INSTRUMENT PANEL UNDER COVER

a) Disengage the claw as shown.



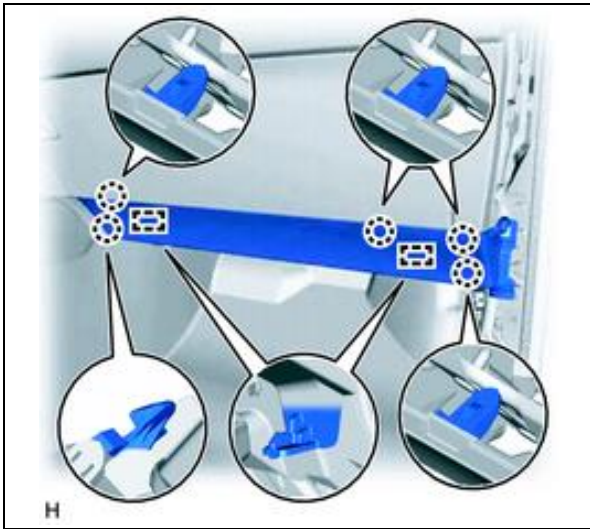
b) Disengage the 4 clips and two guides

c) Disconnect the electrical connector on the undercover.



7. REMOVE PASSENGER KNEE AIRBAG

a) Remove the 3 bolts.

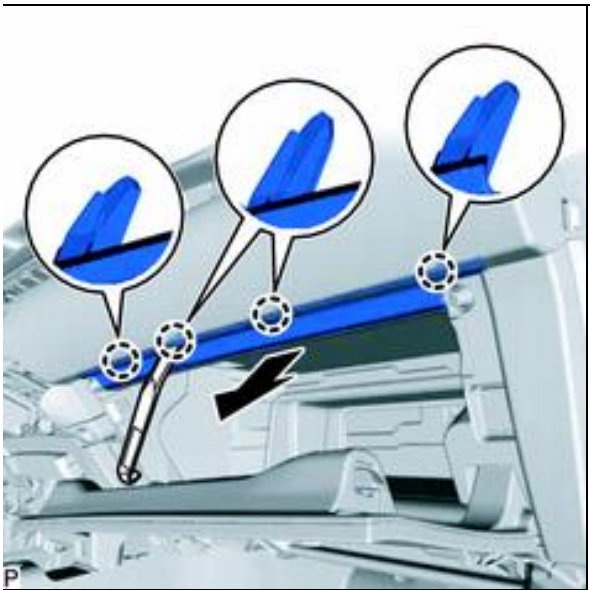


b) Disengage the 5 claws and 2 guides separate the airbag from the instrument panel.



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

d) Disconnect the connector and remove the airbag.



8. REMOVE GLOVE BOX

a) Open the glove box door.

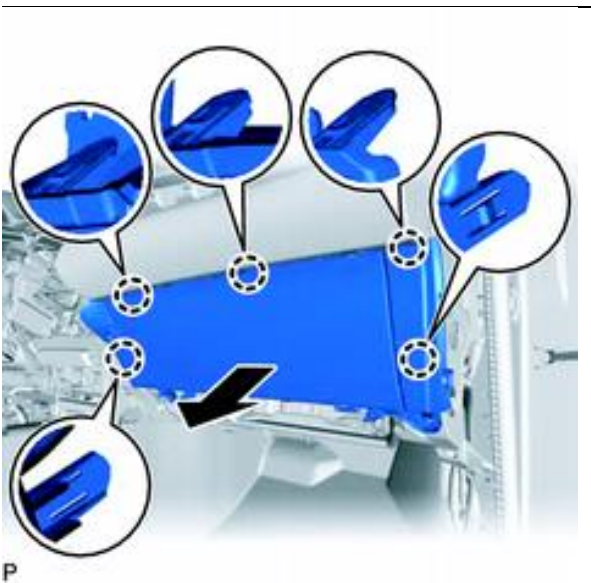
b) Using a plastic molding removal tool, release the 4 claws and remove the upper cover.



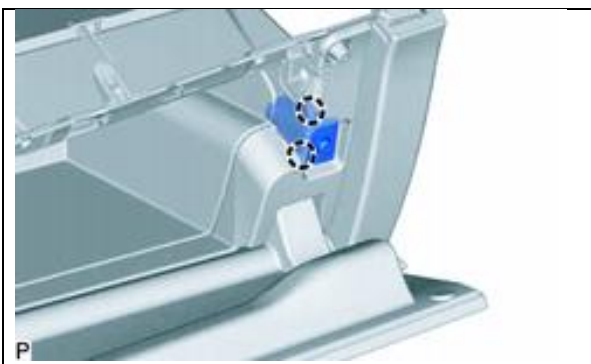
c) Remove the 3 screws.



d) Close the glove box door to access and remove the 2 lower screws.



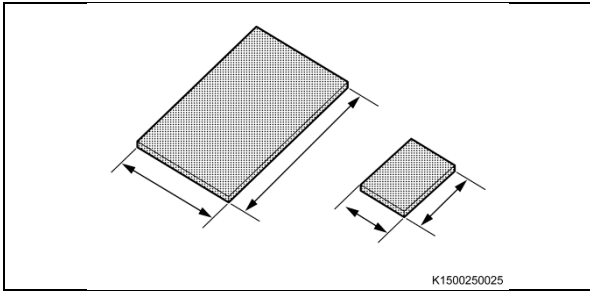
e) Disengage the 5 claws as shown.
f) Disconnect the 3 electrical connectors.
g) Disengage the clip for the wire harness.



9. REMOVE THE PCS SWITCH FROM THE GLOVE BOX ASSEMBLY

a) Disconnect the harness for the PCS switch.
b) Disengage the 2 claws and remove the PCS Switch from the glove box.

B. DISABLE AND RELOCATE PCS SWITCH



1. PREPARE FOAM TAPE

- a) Cut the foam tape as shown.
80 mm x 150 mm (Qty. 1)
30 mm x 40 mm (Qty. 1)



2. DISABLE THE PCS SYSTEM

- a) Reconnect the PCS switch to the harness.
- b) Confirm that the PCS Switch is in the "Off" position as shown.

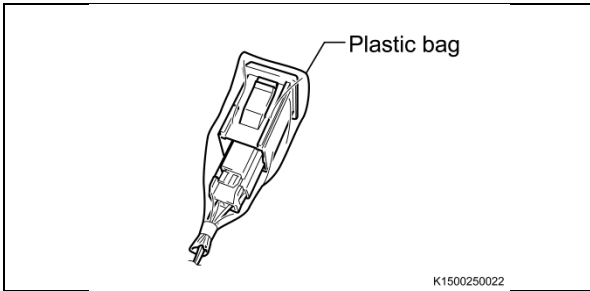
NOTE: The button will protrude approximately:

OFF = 2mm

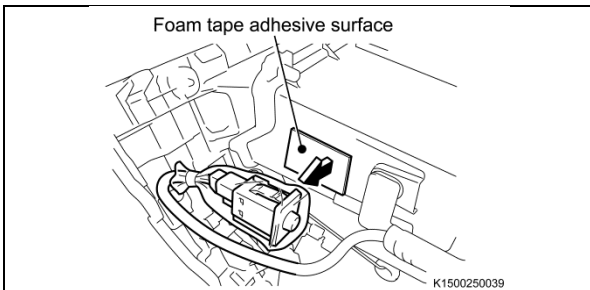
ON = 5 mm



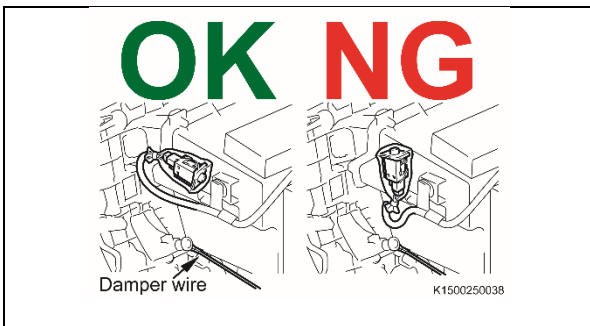
While relocating the switch, ensure the switch remains in the "Off" position.



- c) To protect the surface of the switch. Place the switch into a plastic bag.
- d) Tape the bag closed at the harness using electrical tape.

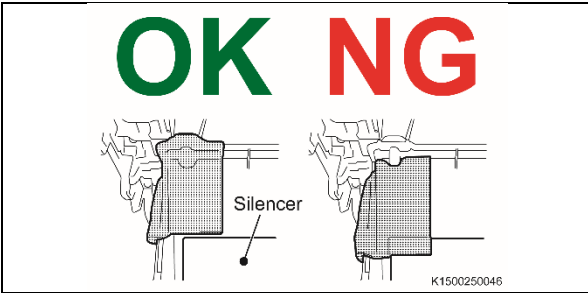
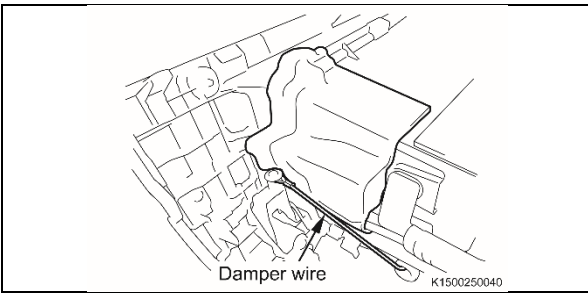


- e) Apply the 30 mm x 40 mm foam tape to the side of the switch to prevent noise.



- f) Place the PCS switch on the side of the lower dash panel as shown.

NOTE: Place the switch as shown or it could interfere with the glove box damper.



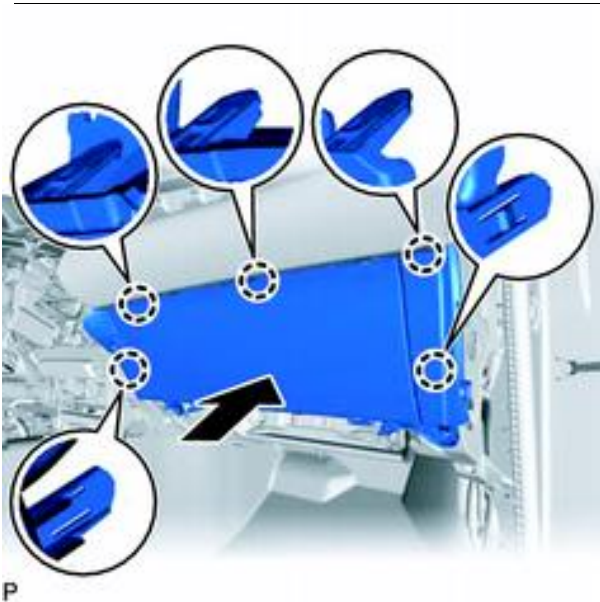
- g) Using the 80 mm x 150 mm foam tape affix the switch to the lower dash panel as shown.

NOTE:

- It is okay to use multiple strips of foam tape to reach the correct surface area.
- Place the switch as shown or it could interfere with the glove box damper.

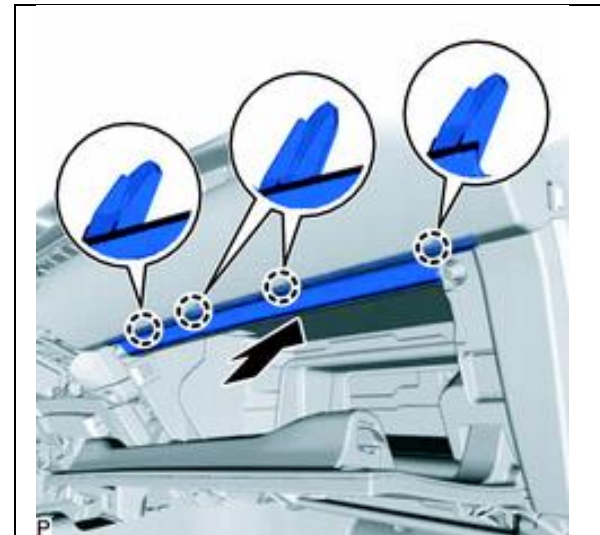
NOTE: Ensure that the foam tape DOES NOT cover the silencer.

C. VEHICLE REASSEMBLY



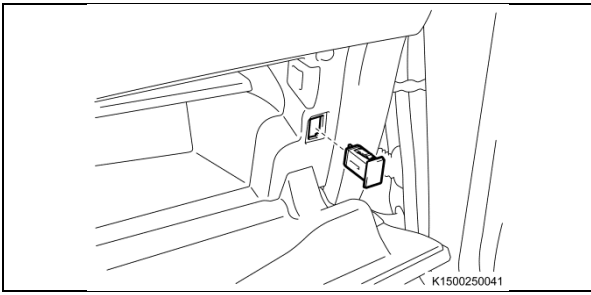
1. REINSTALL THE GLOVE BOX

- Reinstall the wire harness clip.
- Reconnect the 3 electrical connectors.
- Engage the 5 claws as shown.
- Install the lower 2 screws below the glove box door.
- Open the glove box and install the 3 screws on the upper edge of the glove box.



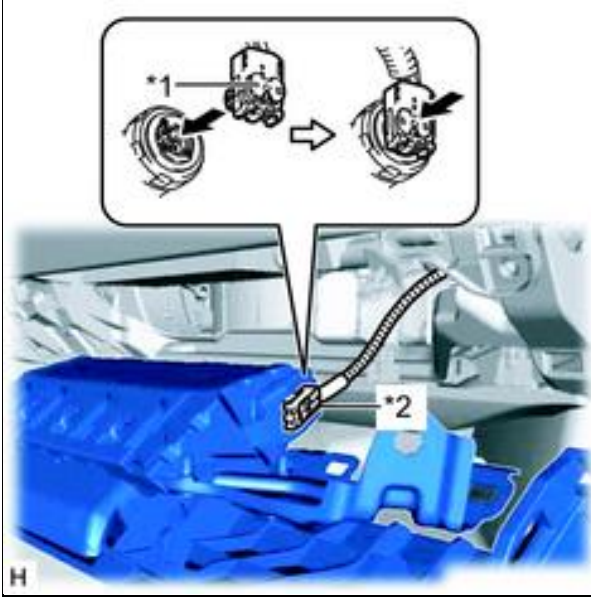
2. REINSTALL THE UPPER COVER

- Engage the 4 claws as shown.
- Close the glove box door.
- After installing the glove box ensure the PCS switch and wires are not in contact with any metal brackets under the dash.

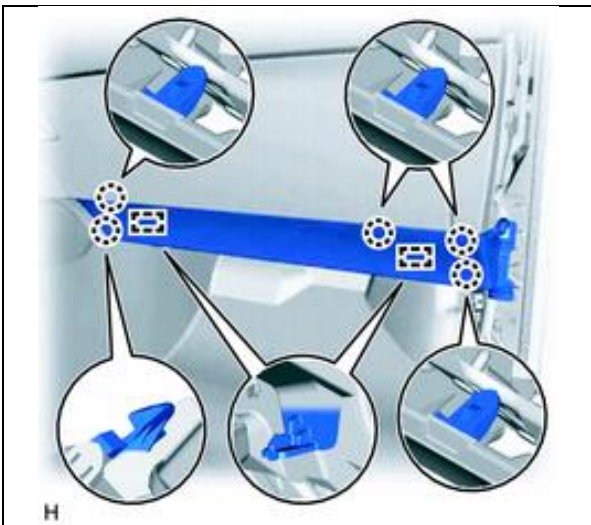


- d) Install the switch blank where the PCS switch was previously installed.

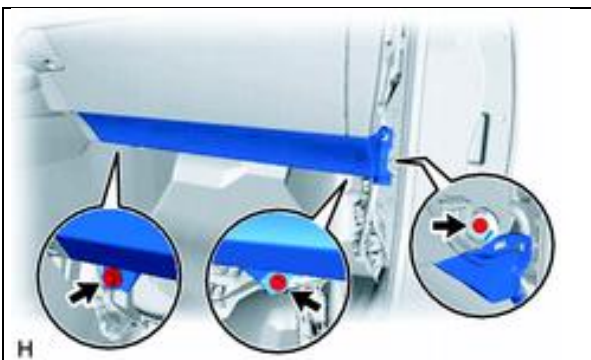
3. REINSTALL THE PASSENGER KNEE AIRBAG



- a) Reconnect the airbag connector as shown.

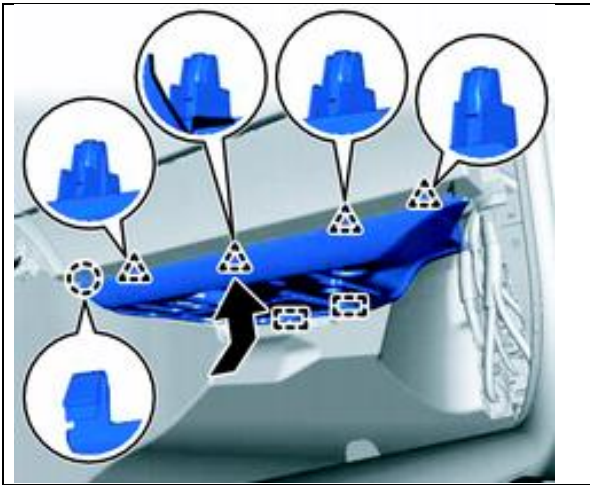


- b) Engage the 2 guides and 5 claws.



- a) Reinstall the 3 bolts and torque to spec.

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



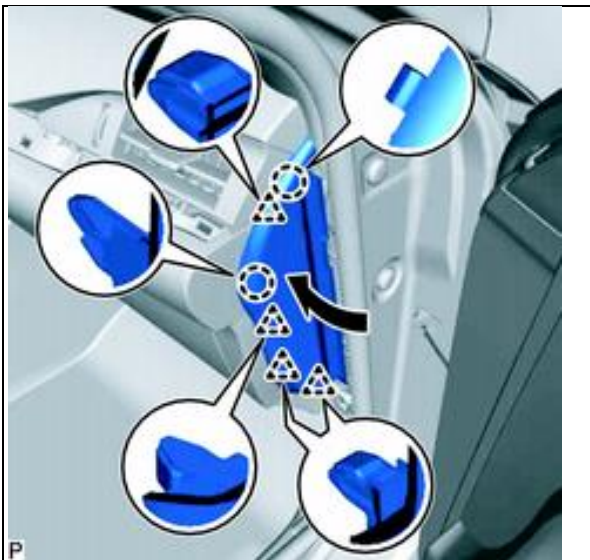
4. REINSTALL THE NO. 2 INSTRUMENT PANEL UNDER COVER

- a) Reconnect the electrical connector.
- b) Engage the 2 guides and 4 clips as shown.

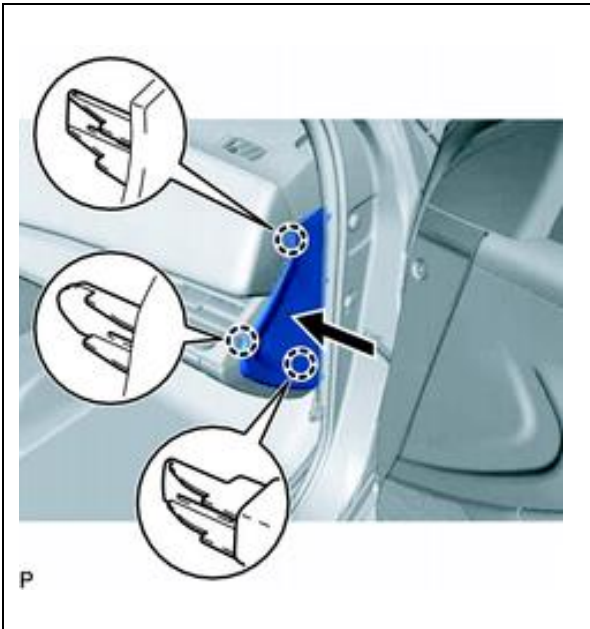


5. REINSTALL INSTRUMENT SIDE PANEL

- a) Engage the 2 guides as shown.

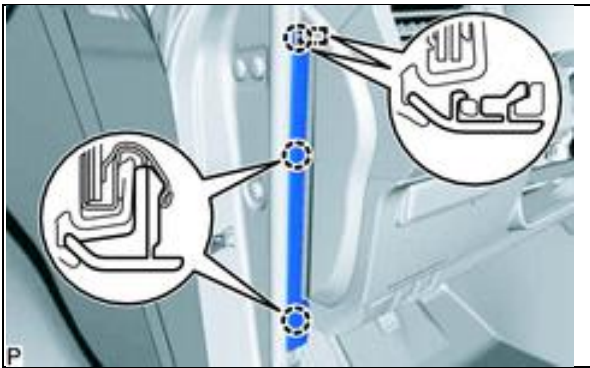


- a) Engage the 2 claws and 4 clips as shown.



6. REINSTALL THE INSTRUMENT SIDE PANEL

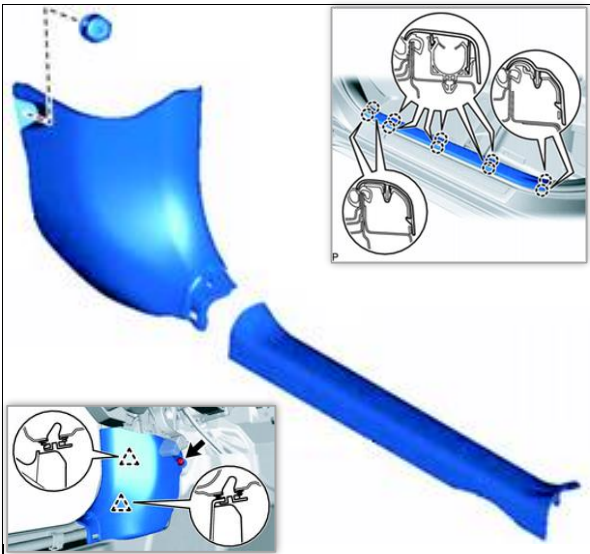
- a) Engage the 3 guides as shown.
- b) Engage the 3 claws as shown.



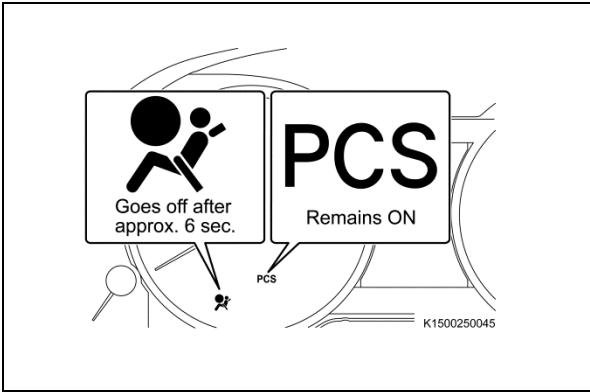
7. REINSTALL FRONT DOOR OPENING TRIM COVER

- a) Engage the 3 clips as shown.

Note: Driver's side shown for reference to show where claws are located.



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



9. RECONNECT THE BATTERY TERMINAL

10. CONFIRM PCS SYSTEM IS DISABLED

- Turn IG "ON"
- Confirm that the SRS warning light goes out after 6 seconds and the **PCS** warning light remains illuminated after bulb check.
- Turn IG "OFF"

NOTE: If the SRS warning light remains on refer to TIS for diagnosis. If the PCS warning light goes out recheck that the PCS cancel switch is in the OFF position.



11. INSTALL THE WARNING TAG

- 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 area representative.

VI. APPENDIX

A. CAMPAIGN DESIGNATION DECODER

