

TECHNICAL INSTRUCTIONS
FOR
CAMPAIGN GLB
CENTER AIRBAG SENSOR ASSEMBLY (SRS ECU)
CERTAIN 2003-2006 MY LX470

Updated 11-21-17

Update 11-21-17

- **Updated parts information**

Update 05-02-17

- **Correction to the torque information on page 10.**

Update 03-24-17

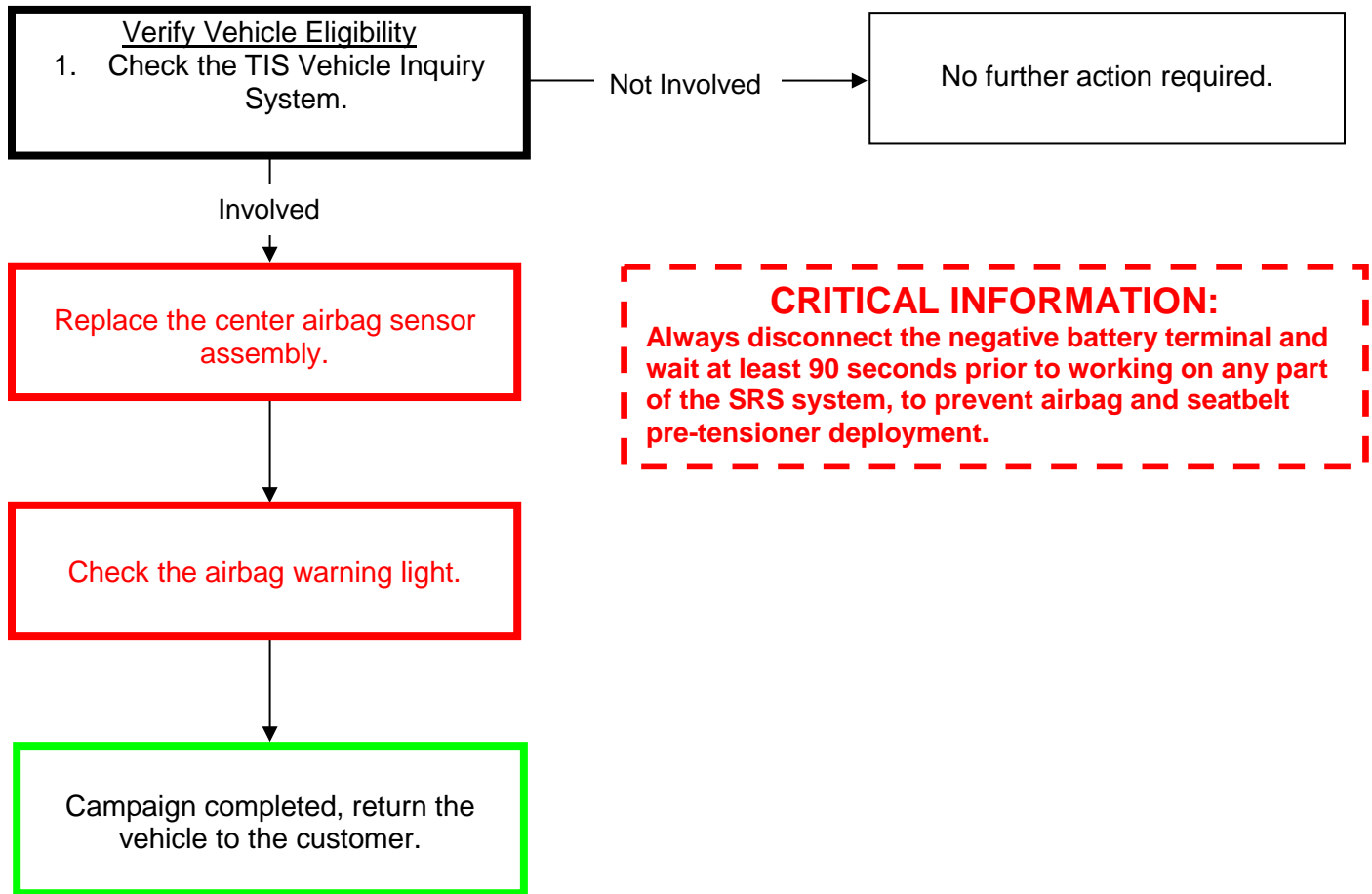
- **Part information added and additional safety warnings**

The repair quality of covered vehicles is extremely important to Lexus. 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; Only Lexus Senior Service Technicians and above, with successful completion of L453, L652, and LSC13A are approved to conduct this repair.

- **Senior**
- **Master**
- **Master Diagnostic Specialist**

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 this SSC 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. PARTS

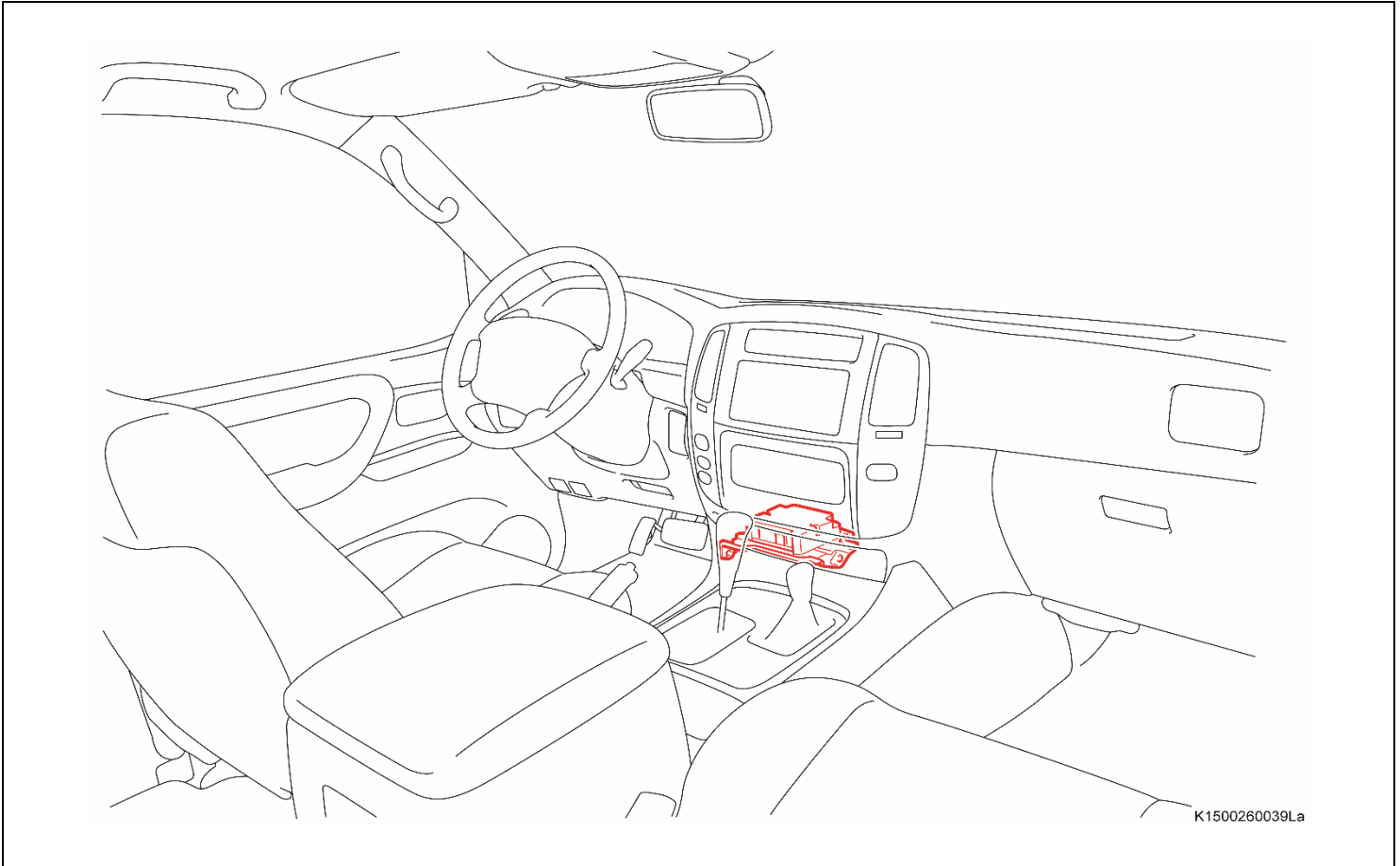
NOTE: Only one Air bag sensor is needed per vehicle. To determine which part number to order, input the VIN into the following website: <https://g0c-glb-parts-lookup.imagespm.info/>. Default password is xxxxx.

B. TOOLS & EQUIPMENT

- Techstream
- Torque Wrench
- Standard Hand Tools
- Molding Remover Set

IV. BACKGROUND

The subject vehicles are equipped with side Curtain-Shield-Airbags (CSAs) which deploy from the roof rails in the event of certain types of crashes. Due to improper programing in the airbag control module, there is a possibility that, under certain specific and limited conditions shortly after vehicle startup, the CSAs and seat belt pre-tensioners could activate when not necessary. Unexpected activation of the CSAs could increase the risk of injury to the occupant. Techstream



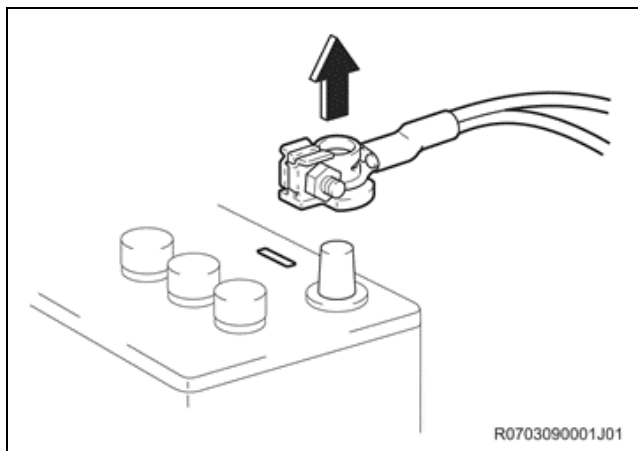
V. SAFETY PRECAUTIONS



CRITICAL INFORMATION – READ THOROUGHLY



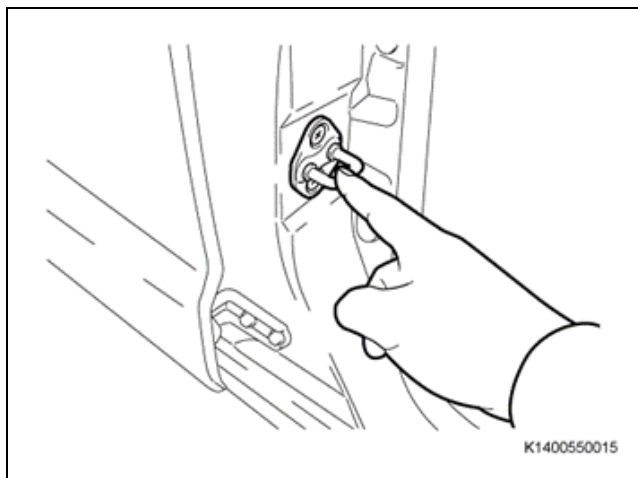
Failure to follow these procedures correctly could cause the SRS to unexpectedly deploy during servicing or the SRS may fail to operate correctly when required after reassembly. Confirm all work is performed safely as described in the following Technical Instructions.



1. DISCONNECT THE NEGATIVE BATTERY TERMINAL



- Always disconnect the negative terminal and wait 90 seconds before performing work to prevent airbag and seatbelt pre-tensioner deployment due to back-up battery supply.



2. ELIMINATE STATIC ELECTRICITY

- a) Before removing ECU ground yourself by touching a metallic part of the vehicle.



3. DO NOT DROP THE CENTER AIRBAG SENSOR

NOTE: DO NOT use power or pneumatic tools to remove the fasteners that secure the sensor to the vehicle.

VI. REPLACING THE CENTER AIRBAG SENSOR (SRS ECU)

1. PERFORM A HEALTH CHECK

- a) Check to verify if there any air bag DTC's present (current, history, or pending).



This campaign only covers the replacement of the Airbag Sensor Assembly (SRS ECU). No other components in the SRS system are covered by this campaign.

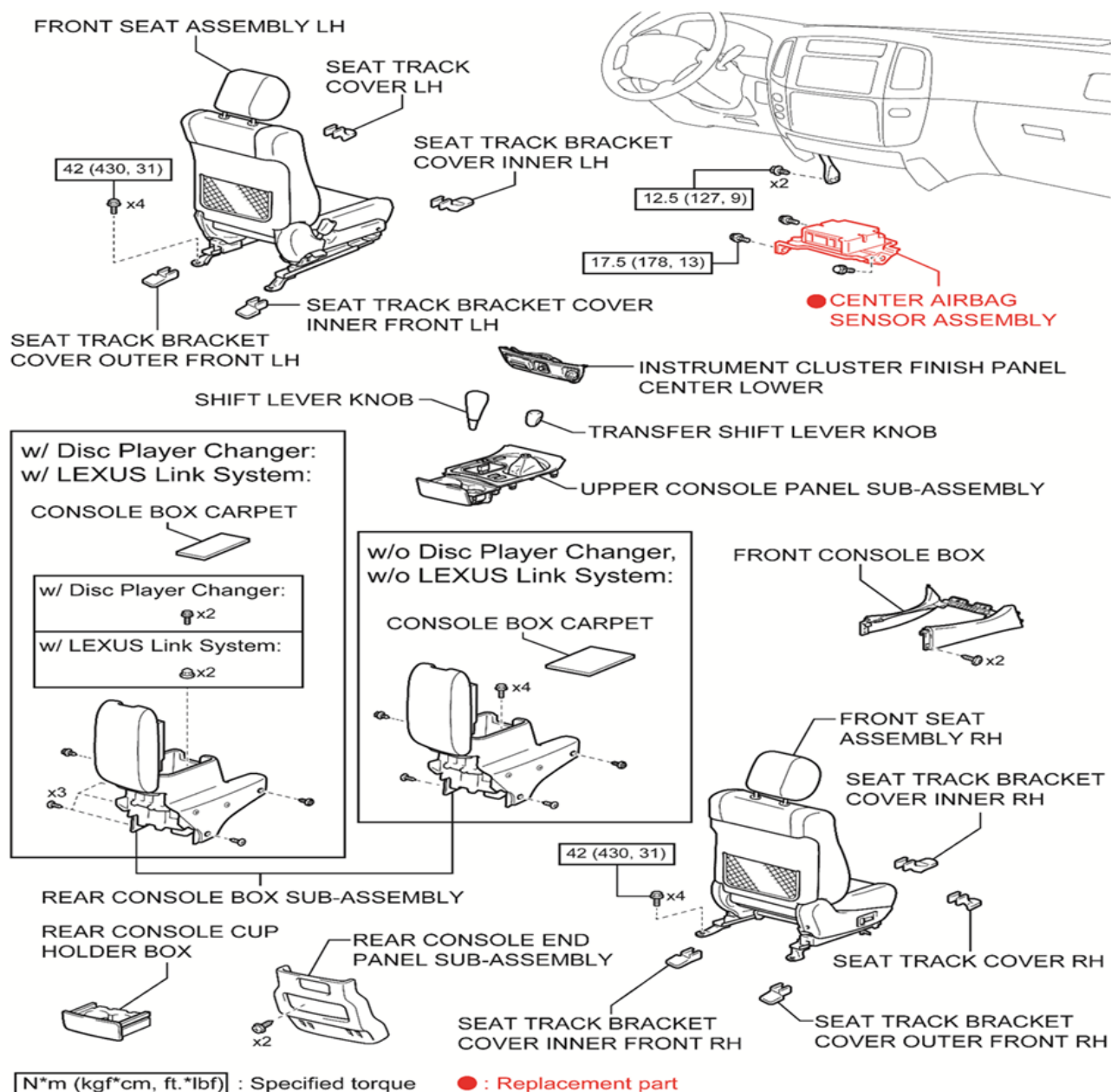
2. RECORD AND DOCUMENT CUSTOMERS VEHICLE SETTINGS

3. DISCONNECT THE NEGATIVE BATTERY TERMINAL



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

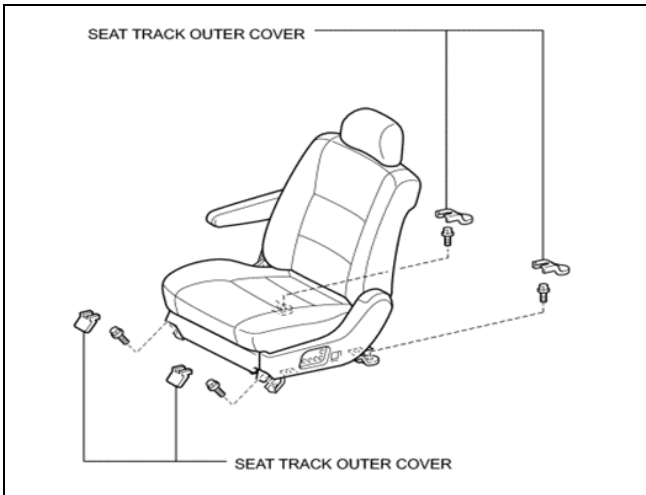
4. COMPONENTS INVOLVED IN THE REMOVAL OF THE CENTER AIRBAG SENSOR ASSEMBLY



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

● : Replacement part

K1500260009a

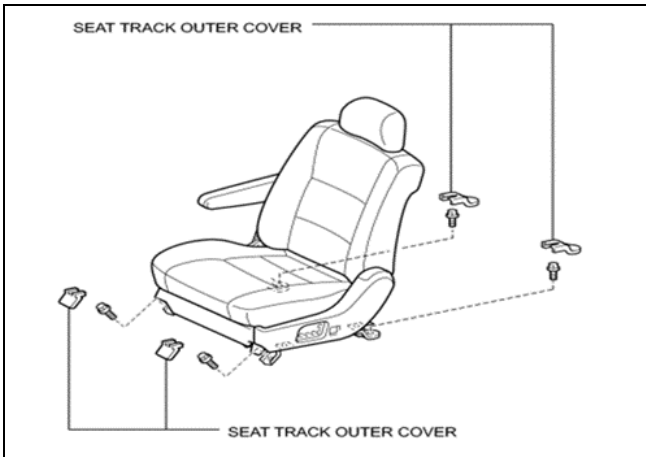


5. REMOVE SEAT TRACK OUTER COVER

- a) Using a screwdriver, detach the claws and remove the 4 covers.

6. REMOVE FRONT LH SEAT

- a) Remove the 4 bolts.
- b) Disconnect the connectors and remove the seat.

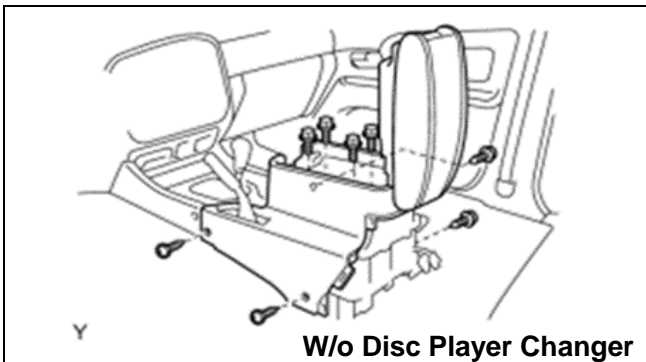


7. REMOVE SEAT TRACK OUTER COVER

- a) Using a screwdriver, detach the claws and remove the 4 covers.

8. REMOVE FRONT RH SEAT

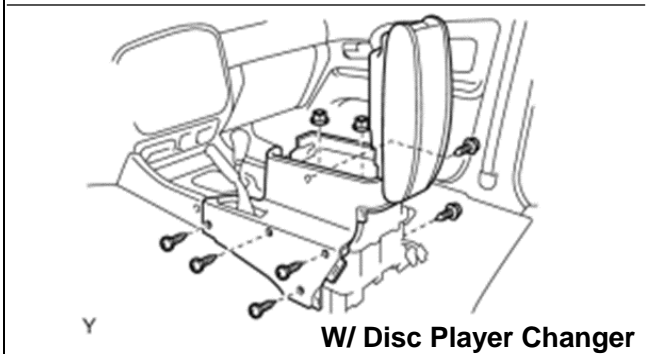
- a) Remove the 4 bolts.
- b) Disconnect the connectors and remove the seat.



9. REMOVE THE REAR CONSOLE BOX

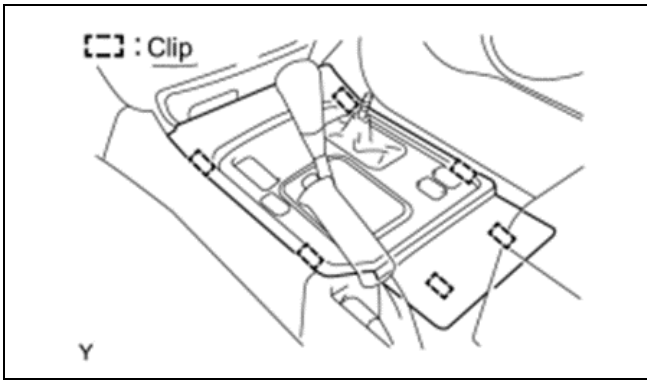
(W/o Disc Player)

- a) Remove the 4 bolts, 4 screws.
- b) Move seat forward and back to remove screws in rear console box.



(W/ Disc Player)

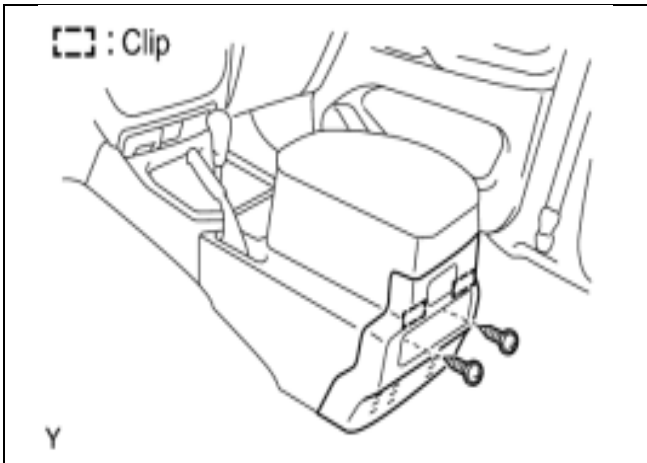
- a) Remove the 2 bolts, 6 screws.
- b) Move seat forward and back to remove screws in rear console box.



10. REMOVE TRANSFER SHIFT LEVER

11. REMOVE UPPER CONSOLE PANEL

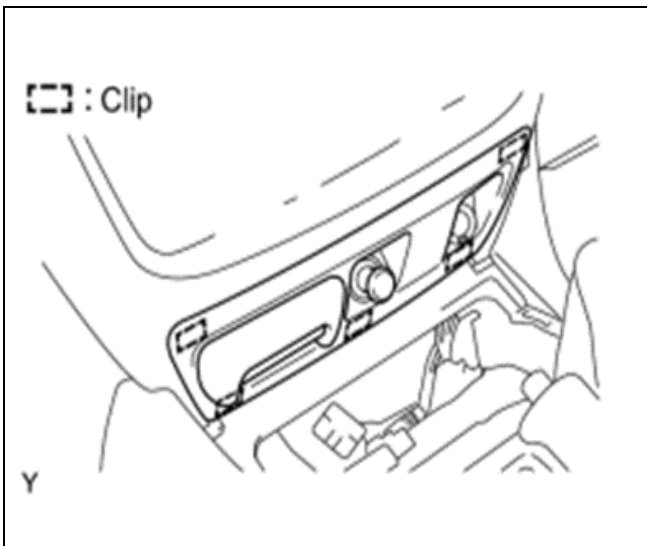
- a) Remove the transfer shift lever knob
- b) Using a screwdriver, detach the 2 clips and remove the end panel.



12. REMOVE REAR CONSOLE END PANEL

- a) Remove the rear console cup holder box.
- b) Remove the 2 screws.
- c) Using a screwdriver, detach the 2 clips and remove the end panel.

13. REMOVE REAR CONSOLE BOX



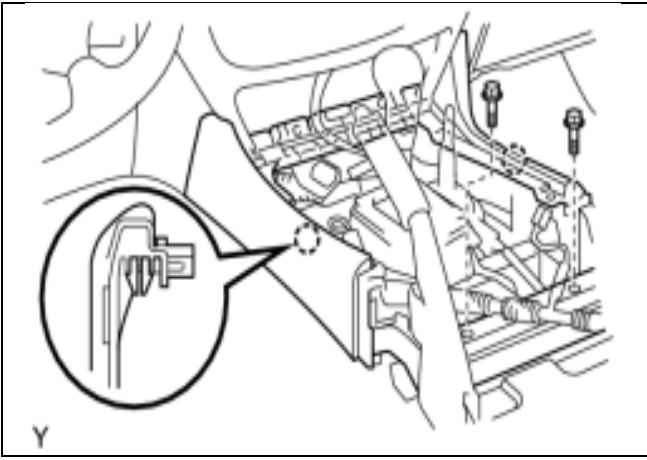
14. REMOVE INSTRUMENT CLUSTER FINISH PANEL CENTER LOWER

- a) Using a screwdriver, detach the 5 clips and remove the cluster finish panel, then disconnect the connectors.

NOTE: Tape the screwdriver tip before use.

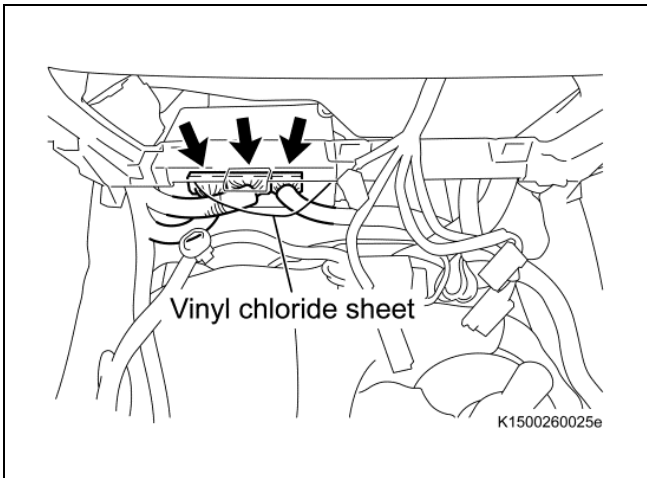
15. REMOVE FRONT ASH RECEPTACLE RETAINER

- a) Remove the ash receptacle box.
- b) Remove the 2 screws and ash receptacle retainer.



16. REMOVE FRONT CONSOLE BOX

- b) Remove the 2 bolts, console box and No. 4 console box mounting bracket.

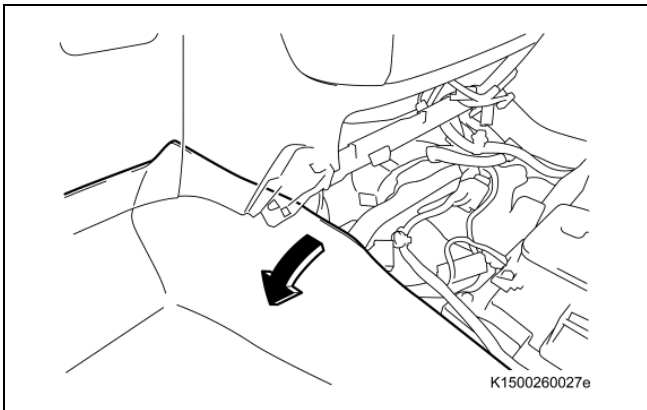


17. REMOVE THE CENTER AIRBAG SENSOR

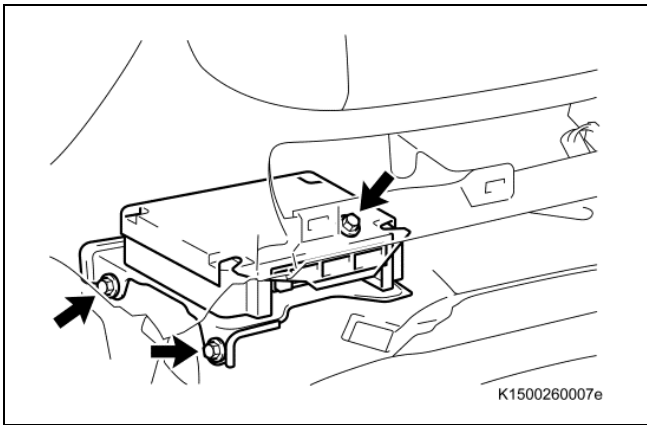
- a) Turn over the vinyl chloride sheet, and then disconnect the 3 connectors from the center airbag sensor.



- Confirm that the negative battery terminal is disconnected before performing the operation. Even an impact to only the airbag sensor will cause the airbag to deploy.
- Wait at least 90 seconds after disconnecting the negative battery terminal to prevent airbag and seat belt pre-tensioner deployment.

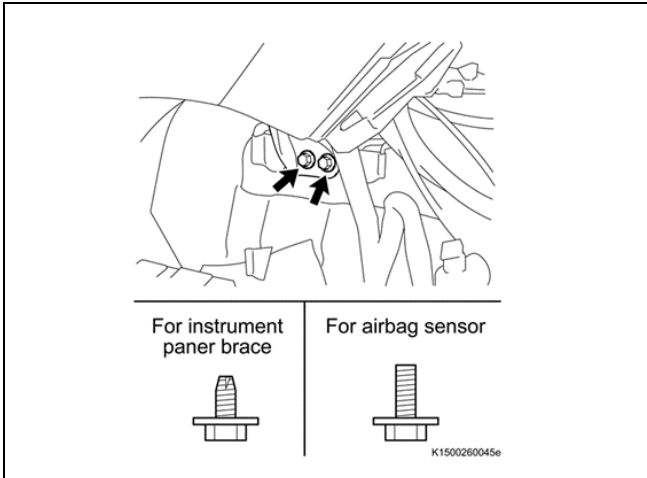


- a) Pull the floor carpet back from the lower part of the instrument panel.



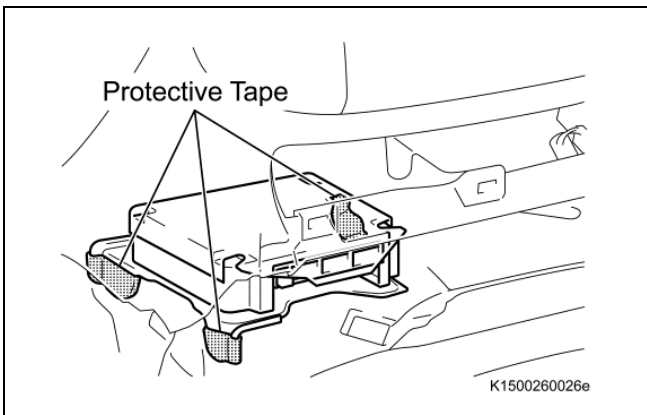
b) Remove the 3 bolts from the center airbag sensor.

NOTE: DO NOT use power or pneumatic tools to remove the fasteners that secure the sensor to the vehicle.

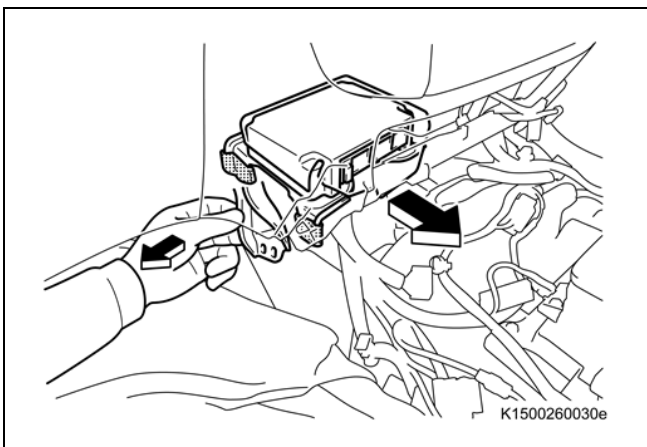


c) Remove the 2 bolts from the bottom part of the instrument panel brace No. 1.

NOTE: The bolts of the center airbag sensor and the instrument panel brace No. 1 have different shapes. Store them so that you do not confuse them.

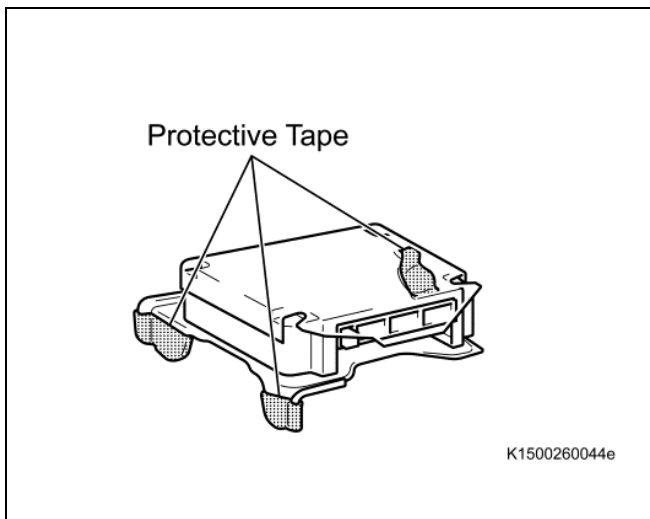


d) To prevent floor damage, apply protective tape to the brackets of the center airbag sensor in the locations shown in the illustration.



e) While pulling the instrument panel brace No. 1, slide the center airbag sensor assembly to the rear of the vehicle and remove it.

VII. INSTALLATION OF THE NEW CENTER AIRBAG SENSOR

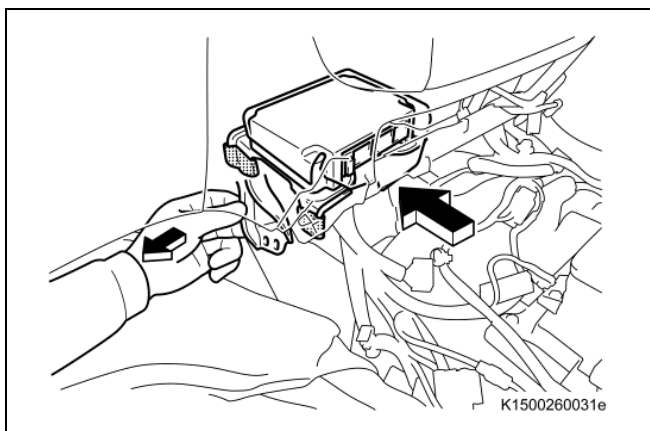


1. INSTALL THE NEW CENTER AIRBAG SENSOR

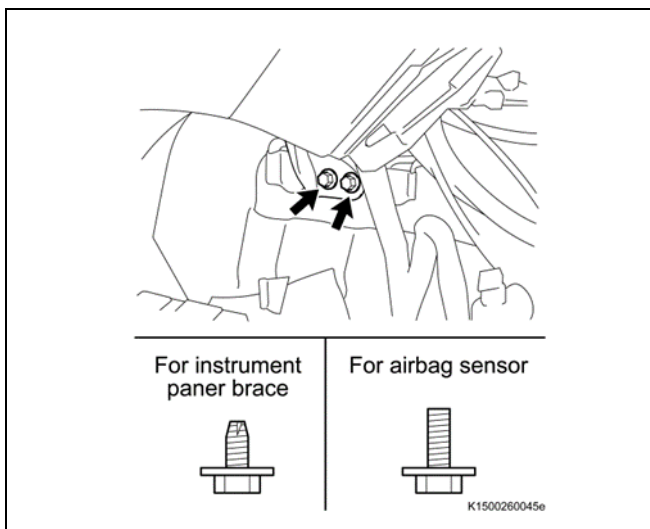
- a) To prevent floor damage, apply protective tape to the brackets of the **NEW** center airbag sensor in the locations shown in the illustration.

NOTE: Verify that the campaign p/n and the sensor p/n match up. Always order the 04006-xxxxx p/n for vehicles covered by this campaign.

Campaign PN	Sensor PN
04006-26160	89170-60152
04006-26460	89170-60262
04006-26560	89170-60282



- b) While pulling the instrument panel brace No. 1, slide the center airbag sensor into place.



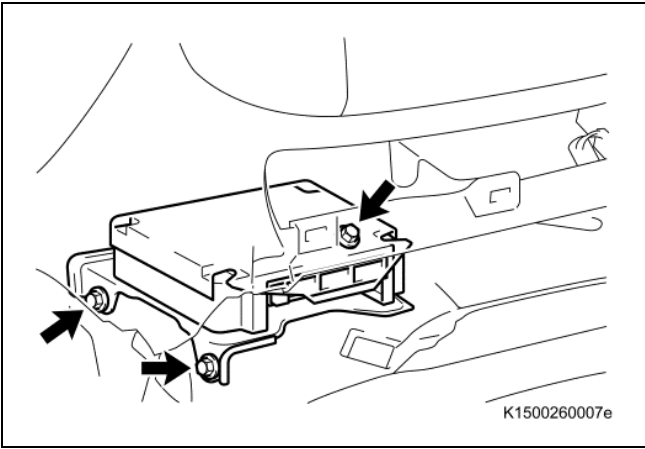
- c) Using the 2 bolts, attach the lower part of the instrument panel brace No. 1.

Torque: 12.5 N·m {127 kgf·cm, 9 in·lbf}

NOTE: DO NOT use power or pneumatic tools to install the fasteners that secure the sensor to the vehicle.



DO NOT mistake with the bolts of the center airbag sensor assembly.

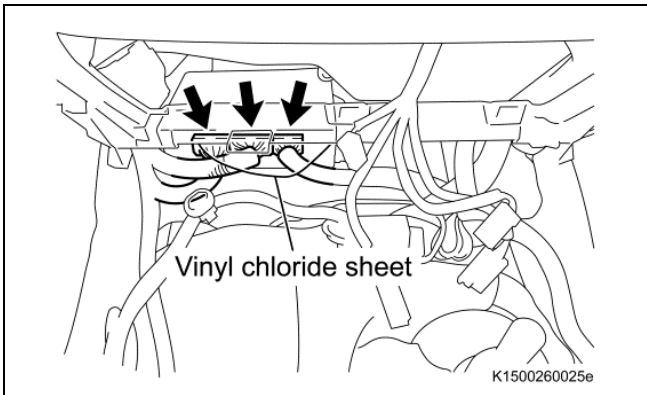


- d) Remove the protective tape, and then use the 3 bolts to install the center airbag sensor.

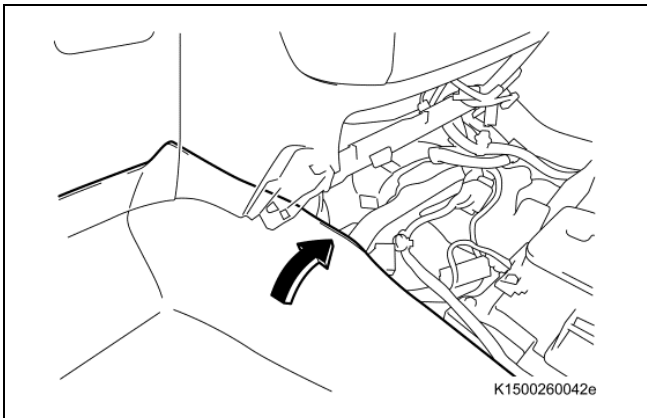
Torque: 17.5 N·m {178 kgf·cm, 13 ft·lbf}

- e) Confirm that the center airbag sensor is installed securely.

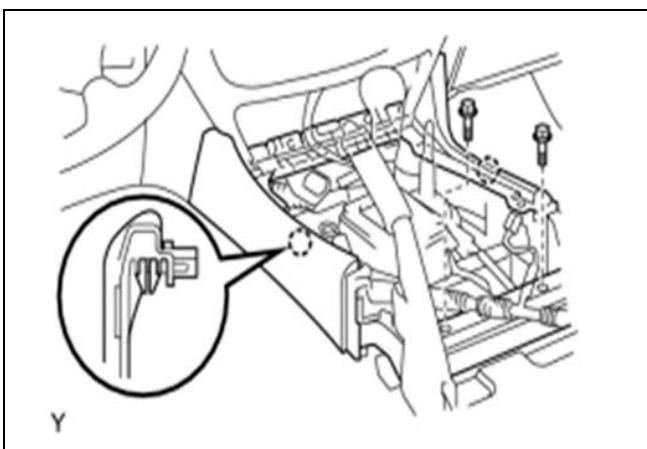
NOTE: DO NOT use power or pneumatic tools to install the fasteners that secure the sensor to the vehicle.



- f) Connect the 3 connectors of the center airbag sensor.
- g) Use the vinyl chloride sheet on the top section of the center airbag sensor assembly to cover the connectors.

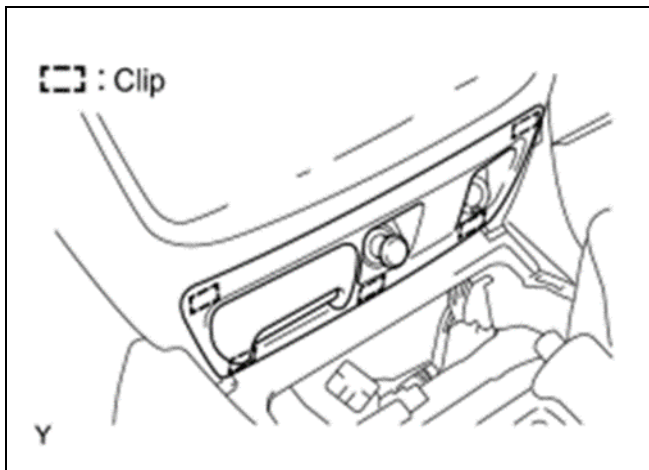


- h) Return the floor carpet to its original position.



2. REINSTALL FRONT CONSOLE BOX

- a) Reinstall the 2 bolts, console box and No. 4 console box mounting bracket.

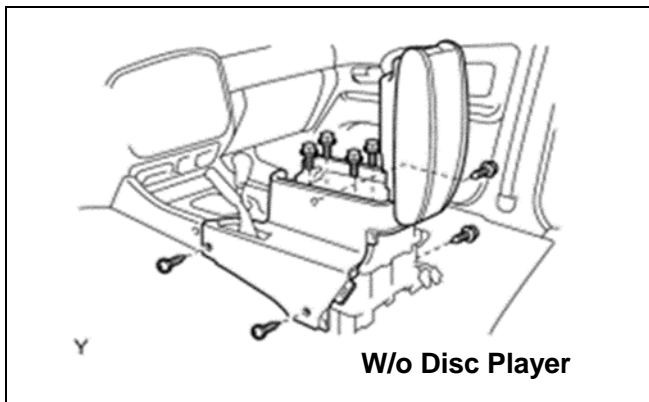


3. REINSTALL INSTRUMENT CLUSTER FINISH PANEL CENTER LOWER

- a) Attach the 5 clips and reinstall the cluster finish panel, then reconnect the connectors.

4. REINSTALL FRONT ASH RECEPTACLE RETAINER

- a) Reinstall the ash receptacle box.
- b) Reinstall the 2 screws and ash receptacle retainer.



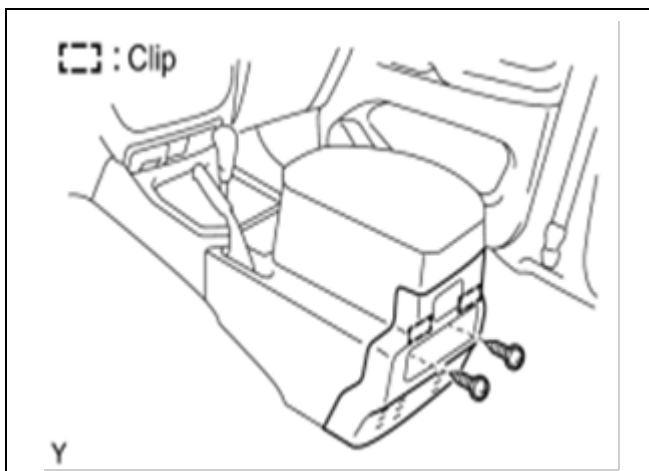
5. REINSTALL THE REAR CONSOLE BOX (W/o Disc Player)

- a) Reinstall the 4 bolts, 4 screws.



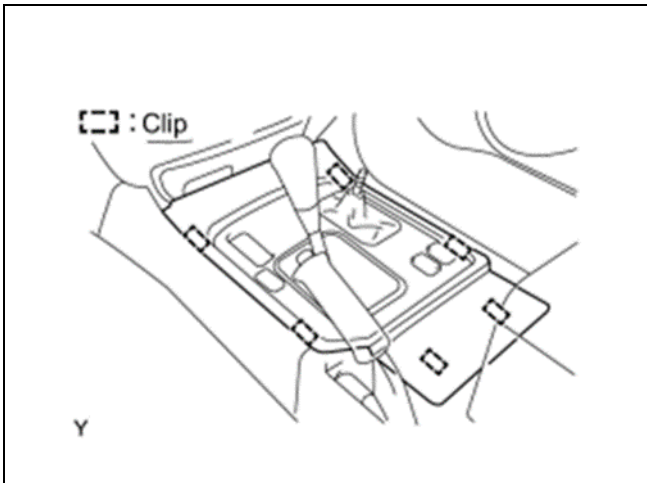
(W/ Disc Player)

- a) Reinstall the 2 bolts, 6 screws.



6. REINSTALL REAR CONSOLE END PANEL

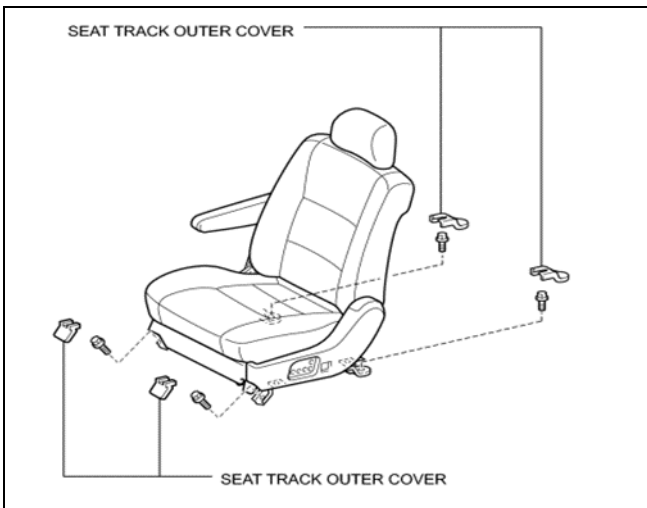
- a) Reinstall the rear console cup holder box.
- b) Reinstall the 2 screws.
- c) Reattach the 2 clips and reinstall the end panel.



7. RE-INSTALL UPPER CONSOLE PANEL

- Reinstall the transfer shift lever knob
- Attach the 2 clips and reinstall the end panel.

8. REINSTALL TRANSFER SHIFT LEVER



9. REINSTALL FRONT LH SEAT

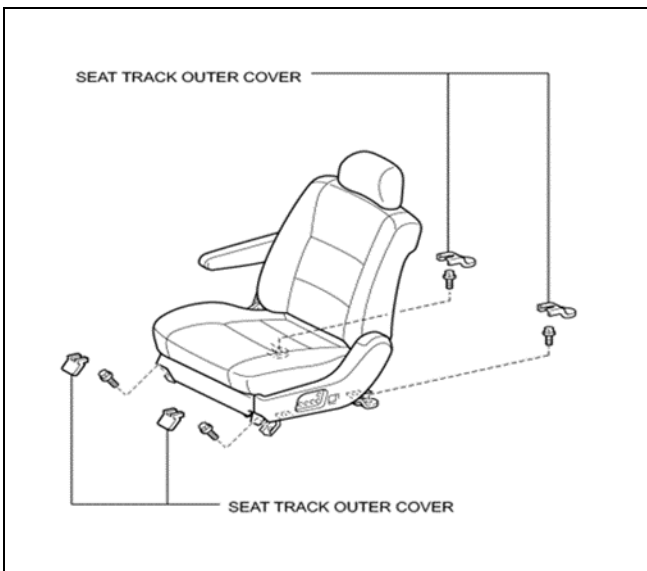
- Reinstall the 4 bolts.

Torque:

42 N·m {430 kgf·cm, 31ft·lbf}

- Reconnect the connectors

10. REINSTALL SEAT TRACK OUTER COVERS



11. REINSTALL FRONT RH SEAT

- Reinstall the 4 bolts.

Torque:

42 N·m {430 kgf·cm, 31ft·lbf}

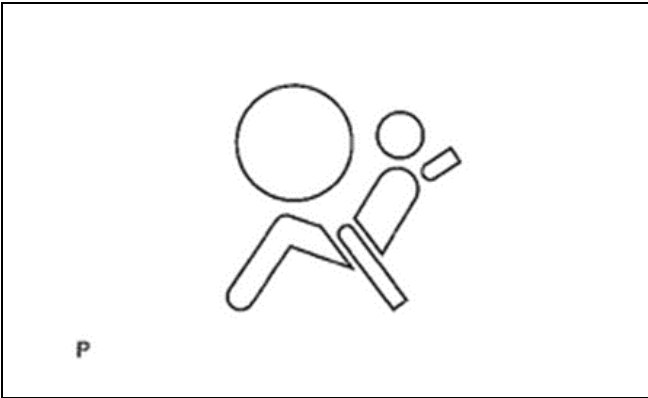
- Reconnect the connectors

12. REINSTALL SEAT TRACK OUTER COVERS

NOTE: Seats equipped with OCS will need Zero Point Calibration and Sensitivity Check performed.

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

13. RECONNECT THE NEGATIVE BATTERY TERMINAL AND PERFORM ANY NEEDED INITIALIZATIONS



14. INSPECT SRS WARNING LIGHT

- Turn the ignition switch to the ON position, and check that the SRS warning light comes on for approximately 6 seconds (primary check).
- Check that the SRS warning light goes off approximately 6 seconds after the ignition switch is turned to the ON position (constant check).

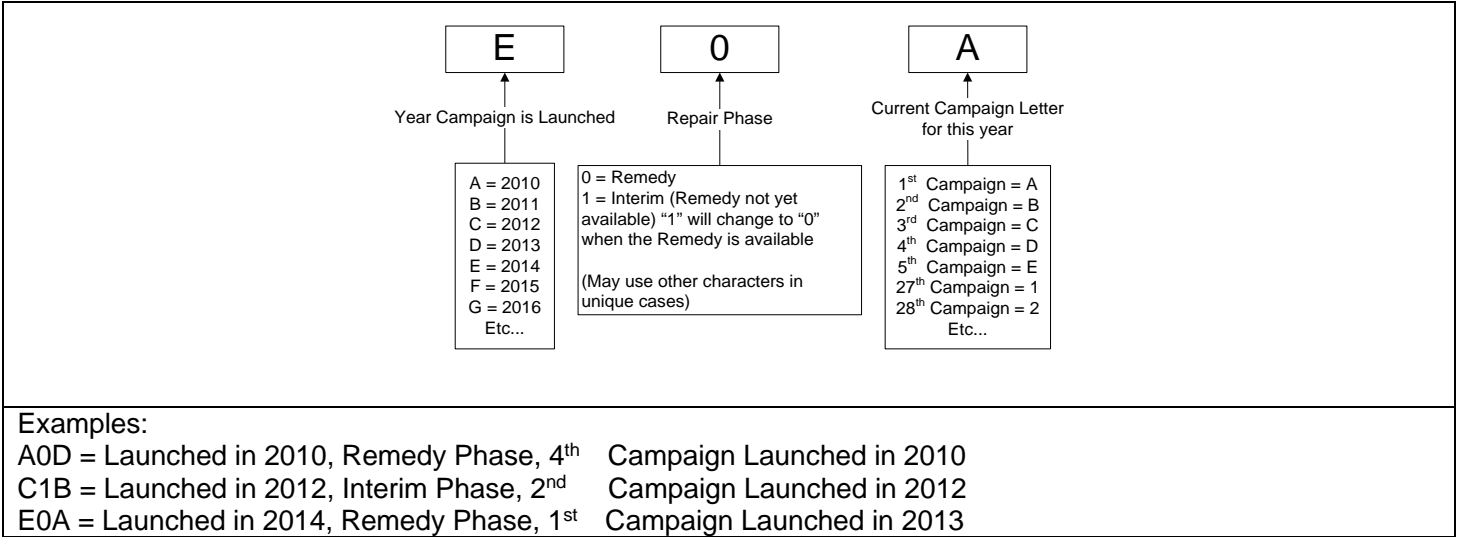
◀ VERIFY REPAIR QUALITY ▶

- Ensure a Zero Point Calibration and Sensitivity Check is performed with vehicles equipped with OCS.

If you have any questions regarding this update, 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.***