

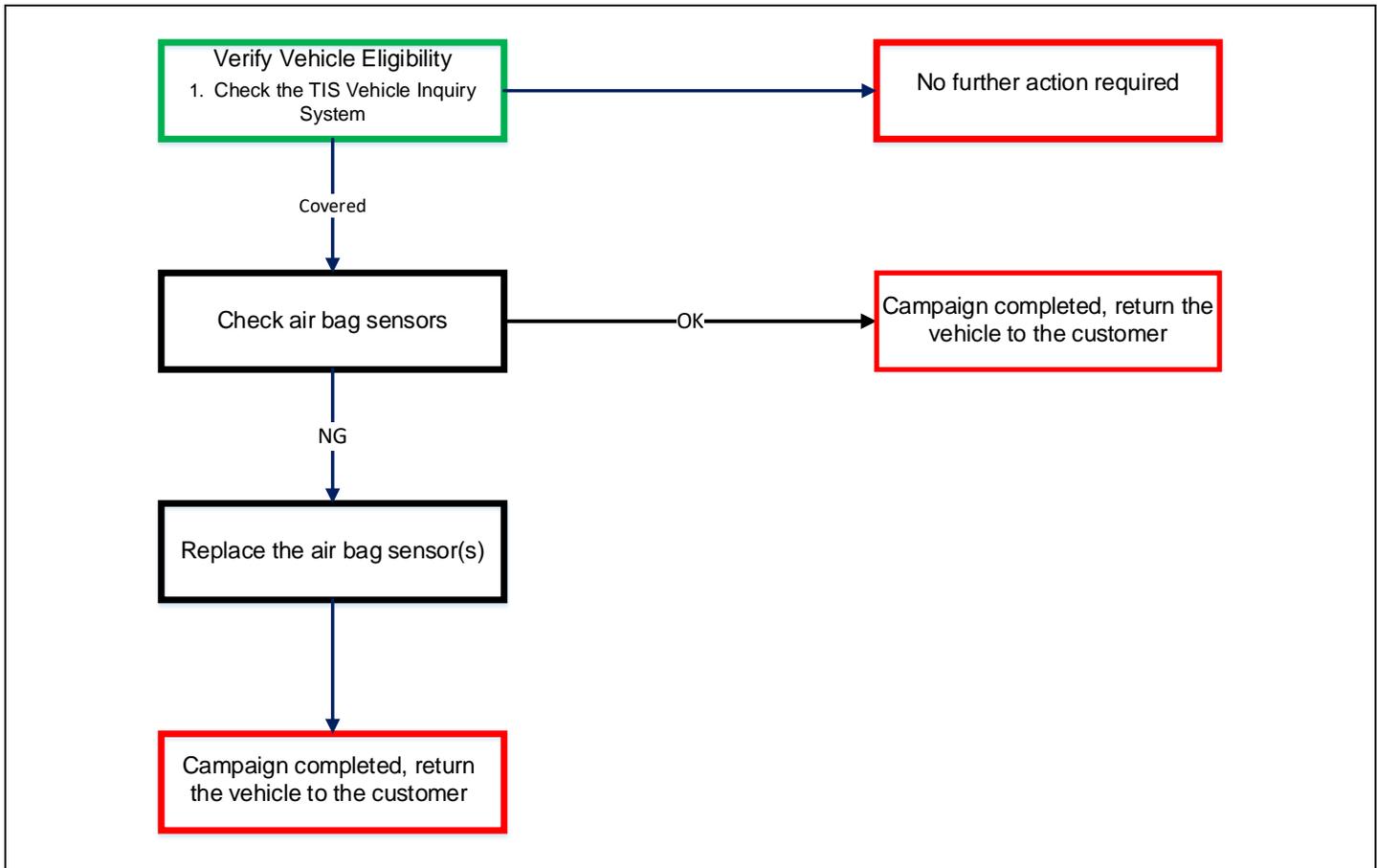
**TECHNICAL INSTRUCTIONS**  
**FOR**  
**SAFETY RECALL J0F**  
**AIR BAG SENSOR REPLACEMENT**  
**CERTAIN 2016 MY PRIUS**

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 (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 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 Safety Recall, and that it 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.

## III. PREPARATION

### A. PARTS

- **Inspection software will provide part number information, if it is determined part replacement is required.**
- **An airbag sensor will not be released without a screenshot submitted of the judgement screen from the inspection software. Refer to the MAC report for additional details.**

### B. TOOLS & EQUIPMENT

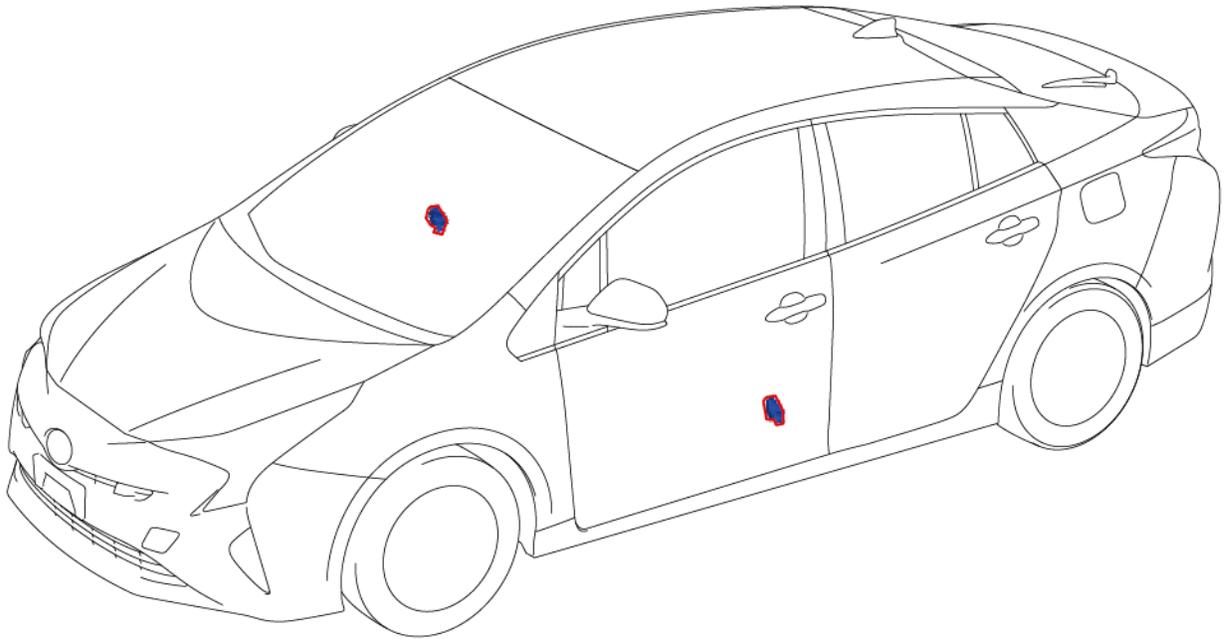
- Techstream
- Molding Remover
- Standard Hand Tools
- Clip Remover
- Torque Wrench

### C. MATERIALS

- Protective Tape
- Marker Pen

#### IV. BACKGROUND

The involved vehicles have airbag systems where an open circuit could be created over time. If this were to occur, the airbag warning light will illuminate and the side/curtain shield airbags may not deploy. Airbag non deployment could increase the risk of injury to the occupants in the event of a crash.



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## V. WORK PROCEDURE



### 1. CHECK FOR DTC'S

- a. Using a Techstream, check for Diagnostic Trouble Codes.

**Note:** *This Safety Recall covers only the Air Bag Sensor, as detailed in these instructions. It does not cover the diagnosis or replacement of any other parts on the vehicle, including the hybrid system.*



- If the vehicle has its airbag warning light illuminated, always repair the airbag system failure first, and then use the judgment software.
- The judgment software judges by communicating with the airbag ECU and obtaining the serial number of the airbag sensor stored therein. When the warning light is on, the software may not judge correctly.

### 2. CLOSE TECHSTREAM SOFTWARE

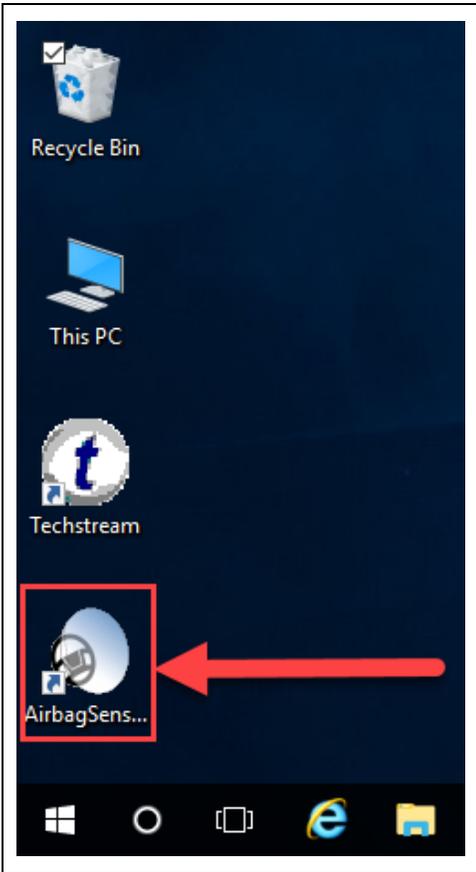
- a. You must exit and close Techstream program for the Judgment software to work properly.

**NOTE:** If Techstream Program is running, the Judgment software may not work properly.

### 3. DOWNLOAD JUDGMENT SOFTWARE (if not previously downloaded)

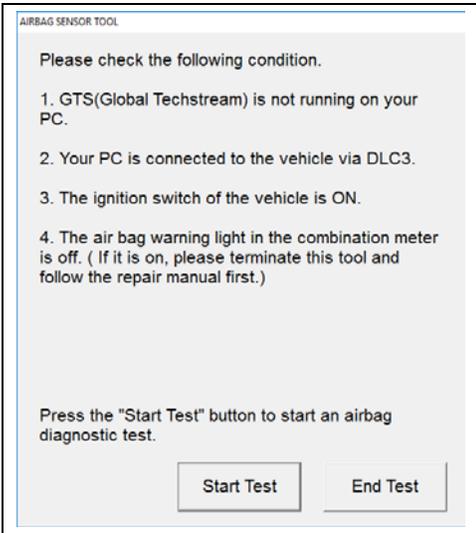
- a. Click the link below to download the Judgment software
- b. If the Judgment Software has been already downloaded, continue to step 4.

[CLICK HERE TO DOWNLOAD SOFTWARE](#)



#### 4. PERFORM AIR BAG SENSOR JUDGMENT

a. Open Airbag Judgment Software



b. Confirm that the conditions shown on the screen are met.  
c. Select "Start Test"

d. Determine whether replacement is needed for each sensor based on the judgment result screen



- **SAVE THE JUDGMENT RESULT SCREEN AND RENAME THE FILE WITH THE VIN**
- **THIS RESULT SCREEN MUST BE ATTACHED WITH THE REPAIR ORDER SO THE WARRANTY CLAIM CAN BE FILED**

The screenshot shows the 'AIRBAG SENSOR TOOL' interface. At the top, it says 'It is necessary to replace the sensor displayed in red.' Below this is a 'VIN:' field. A legend indicates: a red dot for 'Necessary to replace the sensor', a green dot for 'No need to replace the sensor', and a grey dot for 'Not subject to judgment'. The main area shows a top-down view of a car with various sensor locations labeled: FRONT AIRBAG SENSOR RH, FRONT DOOR AIRBAG SENSOR RH, SIDE AIRBAG SENSOR ASSY RH, REAR AIRBAG SENSOR RH, FRONT AIRBAG SENSOR LH, FRONT DOOR AIRBAG SENSOR LH, SIDE AIRBAG SENSOR ASSY LH, REAR AIRBAG SENSOR LH, and SIDE No.2 AIRBAG SENSOR ASSY LH. A red dot is placed on the 'SIDE No.2 AIRBAG SENSOR ASSY LH' location, with a callout box pointing to it that says 'Replacement part number for NG sensor' and contains the text '04007-2A347'. A 'Save' button and an 'End Test' button are at the bottom right. A callout box points to the 'Save' button with the text: '-The result screen can be saved. -If you rename the file with VIN, it will be easier to identify it later.' Another callout box points to the 'End Test' button with the text: 'Close the judgment software.' A legend callout box points to the red and green dots with the text: 'Indicates whether sensor replacement is required or not'. A title callout box points to the top of the window with the text: 'Judgment'.

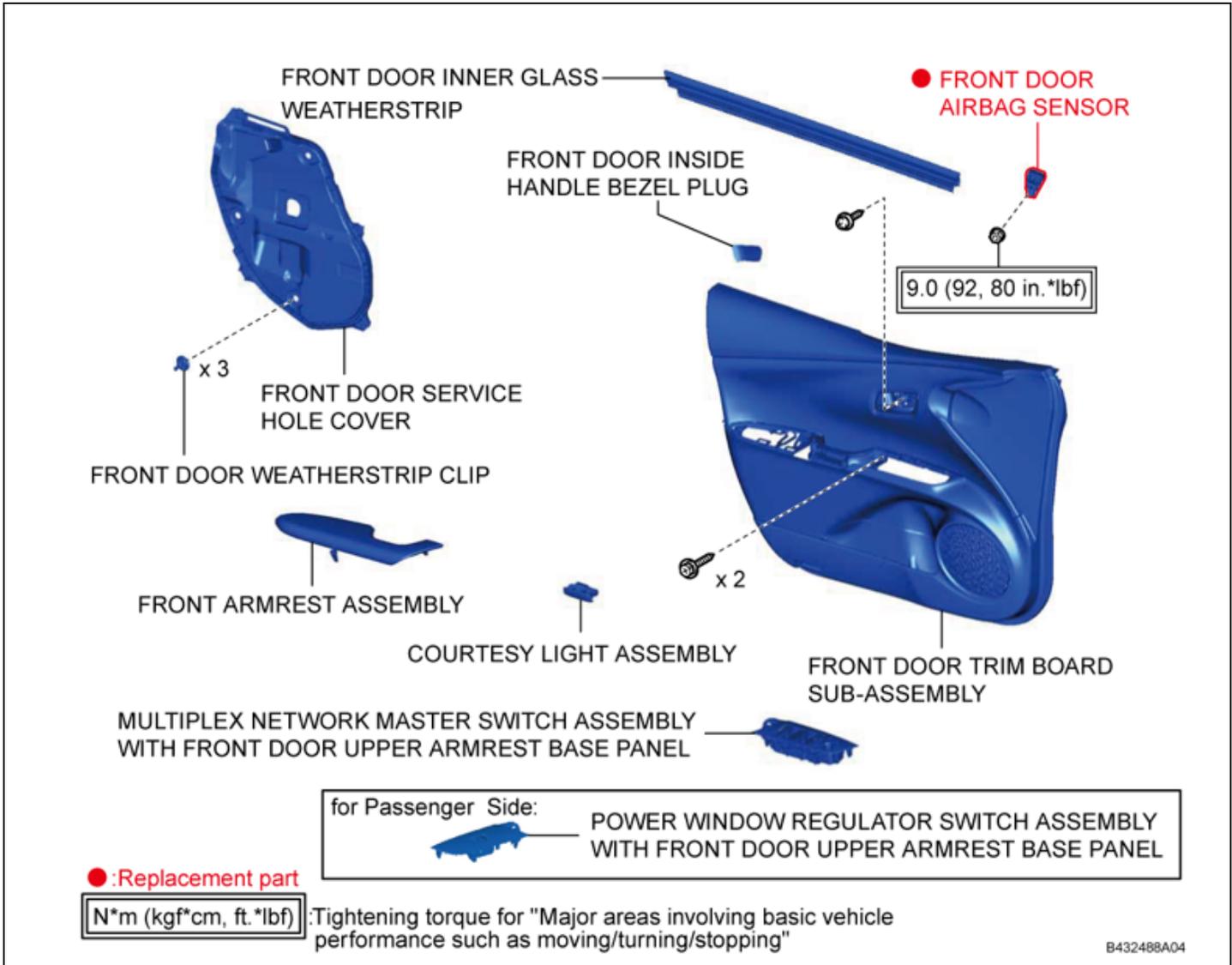
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Judgment result	Measure
Green ●	No need to replace the sensor.
Red ●	Replace the sensor with the sensor of replacement part number shown on the result screen.

## VI. REPLACE FRONT DOOR AIR BAG SENSOR LH & RH (INSIDE THE FRONT DOOR)

\*The Illustrations Only Shows The LH Side\*

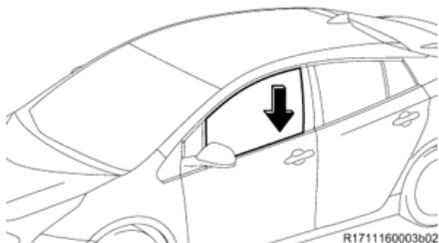
### COMPONENTS

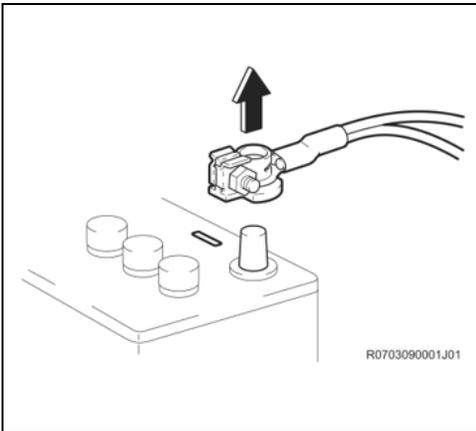


#### 1. RECORD AUDIO, AND AIR CONDITIONING SETTING

#### 2. FULLY OPEN THE SIDE WINDOW

Fully open the side window

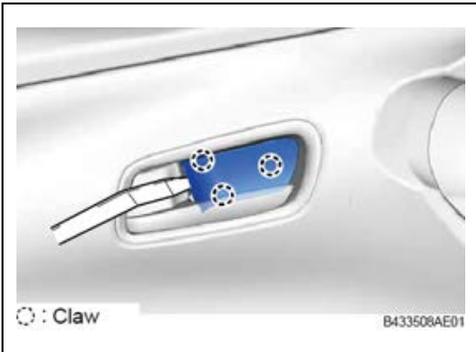




### 3. DISCONNECT THE NEGATIVE BATTERY CABLE

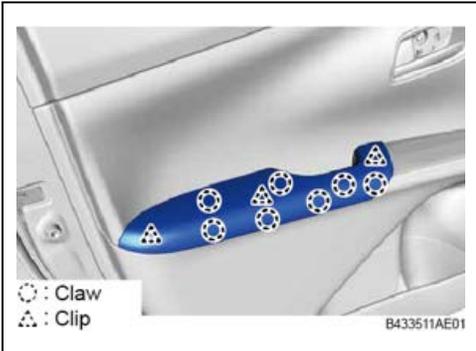


- Wait at least 90 seconds after disconnecting the cable from the negative battery terminal to prevent airbag and seat belt pretensioner deployment.
- For models with a HDD navigation system, wait at least 6 minutes before disconnecting the battery. It takes approximately 6 minutes for the system to save information and settings after the engine switch is turned off.
- Follow all precautions as outlined on TIS before servicing the SRS system.



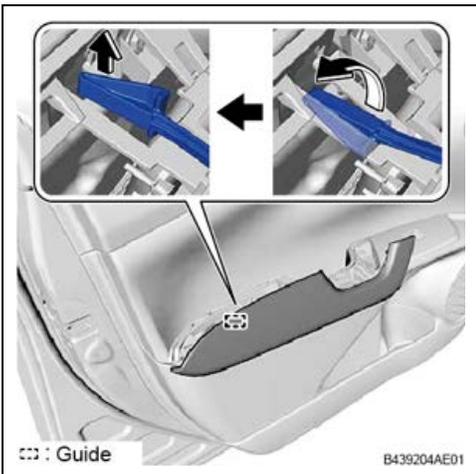
### 4. REMOVE FRONT DOOR INSIDE HANDLE BEZEL PLUG

- a. Using a moulding remover, disengage the 3 claws to remove the front door inside handle bezel plug.

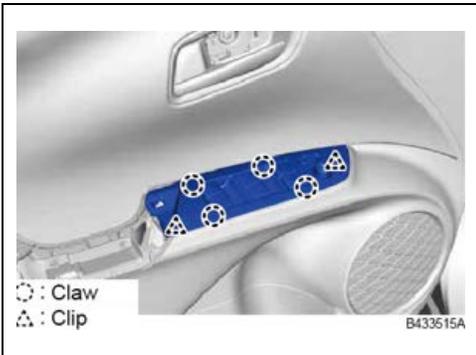


### 5. REMOVE FRONT ARMREST ASSEMBLY

- a. Disengage the 3 clips and 7 claws

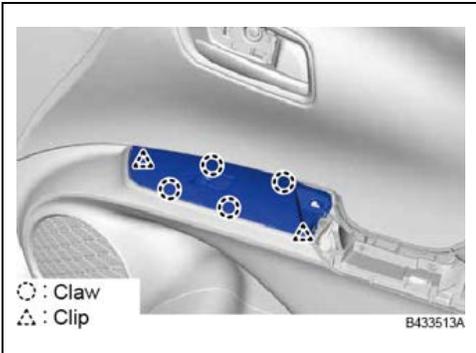


- b. Disengage the guide to remove the front armrest assembly



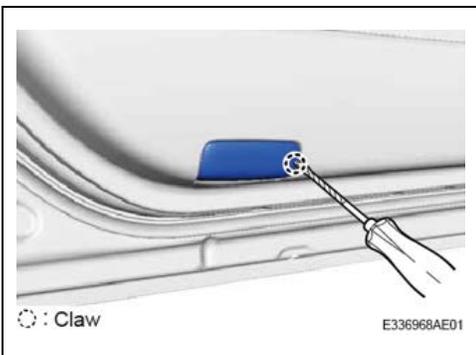
**6. REMOVE MASTER SWITCH ASSEMBLY (DRIVERS SIDE ONLY)**

- a. Disengage the 2 clips and 4 claws
- b. Disconnect the connector



**7. REMOVE WINDOW SWITCH ASSEMBLY (PASSENGER SIDE ONLY)**

- a. Disengage the 2 clips and 4 claws
- b. Disconnect the connector

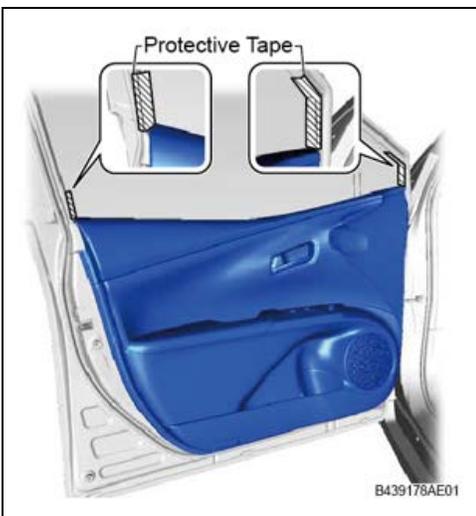


**8. REMOVE COURTESY LIGHT ASSEMBLY**

- a. Disengage the claw using a thin flathead screwdriver wrapped in protective tape
- b. Disconnect the connector and remove the courtesy light assembly



**Remove the front door trim panel together with the front door inner glass weatherstrip. If you DO NOT follow these procedures the weatherstrip may be bent.**



**9. REMOVE FRONT DOOR TRIM PANEL**

- a. Apply protective tape to the front door panel



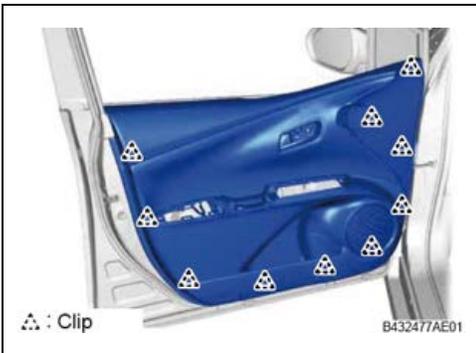
b. Remove the 3 screws



a. Disengage the 2 clips

**NOTE:**

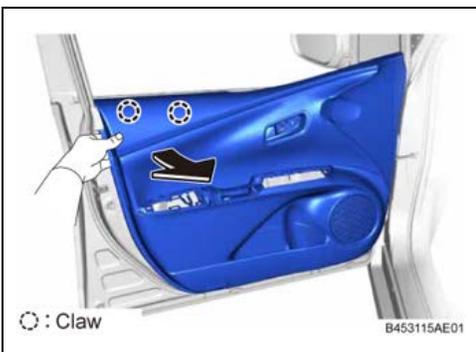
If you **DO NOT** disengage the 2 clips, the front door trim board sub-assembly cannot be lifted up.



b. Disengage the 10 clips and lift up the front door trim panel

**NOTE:**

The front door trim panel cannot be removed yet, since claws at the rear edge of the front door inner class weatherstrip are engaged

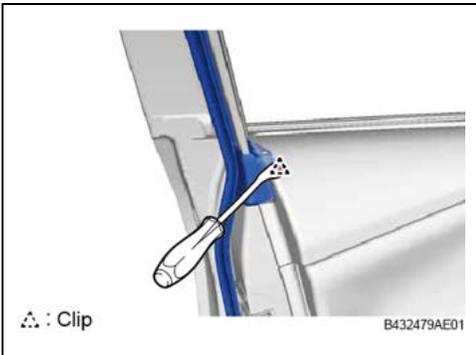


c. Insert a hand between the front door trim panel and front door panel

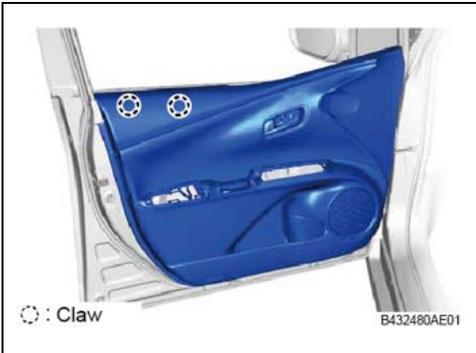
d. Pull out the front door trim panel towards the inside of the vehicle to disengage the 2 claws on the rear edge of the front door inner glass weatherstrip

**NOTE:**

There is still a clip that is engaged on the rear edge of the front door inner glass weatherstrip



- e. Using a clip remover, disengage the last clip at the rear edge of the front door inner glass weatherstrip from between the front door trim panel and front door panel.



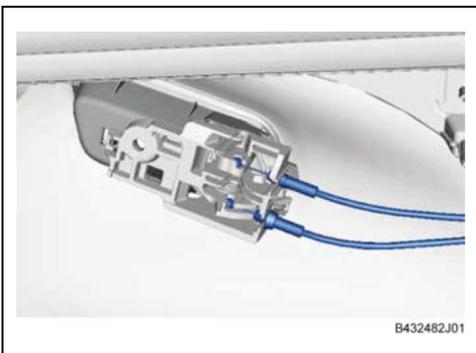
- f. Engage the 2 claws

**NOTE:**

**In order to remove the front door trim panel together with the front door inner glass weatherstrip, engage the 2 claws.**



- g. Disengage the guide and lift up the front door trim panel



- h. Disconnect both front door lock cable assemblies.

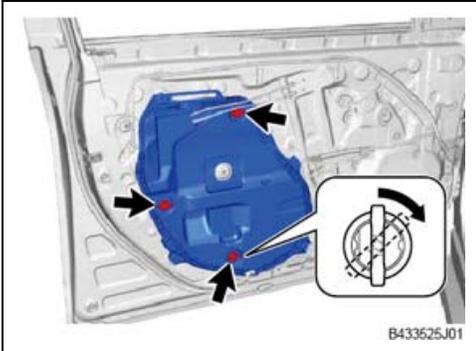


## 10. REMOVE FRONT DOOR INNER GLASS WEATHERSTRIP

- a. Slide the front door inner glass weatherstrip off the front door trim panel together with the front door vent seal.

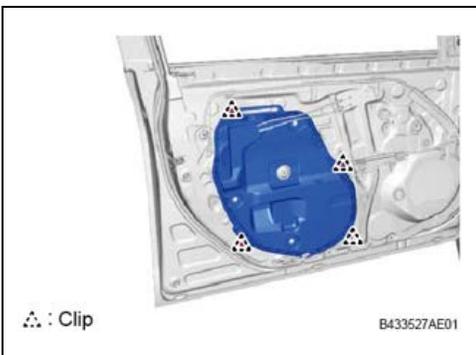


The front door trim panel and the front door inner glass weatherstrip are going to be installed on the front door separately.



## 11. REMOVE FRONT DOOR SERVICE HOLE COVER

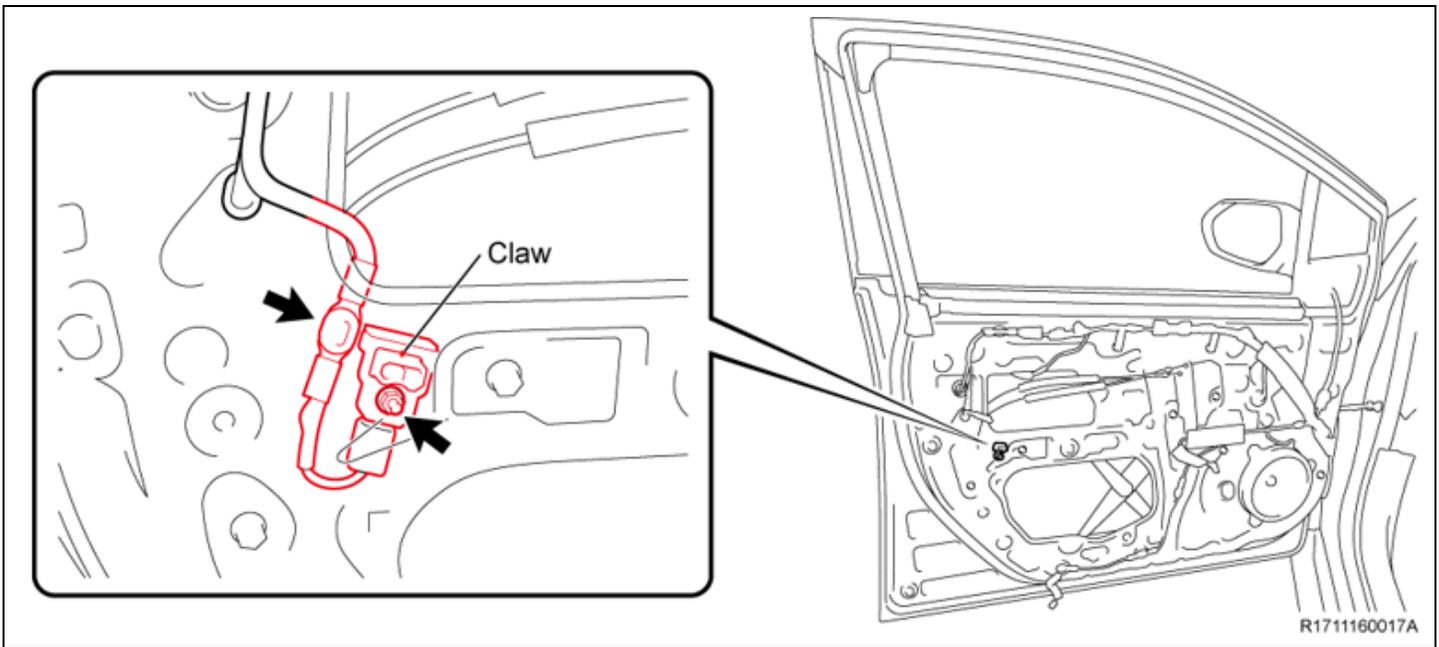
- a. Turn each of the 3 front door weatherstrip clips 45 degrees in the direction of the arrow to remove



- b. Disengage the 4 clips to remove the front door service hole cover

## 12. REMOVE FRONT DOOR AIR BAG SENSOR

- a. Disconnect the harness clamp
- b. Remove the nut while holding the front door air bag sensor
- c. Disengage the claw and pull out the front door air bag sensor from the door panel.



d. Disconnect the connector following the steps below.

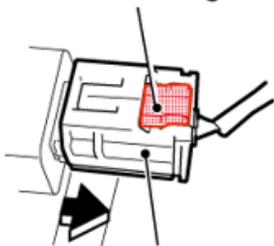


- This special connector has a double locking mechanism and needs to be handled with care.
- **DO NOT** apply pressure on the wire harness.

- 1) To unlock the first lock, keep pushing down the white housing lock and then slide the yellow CPA towards the wire harness
- 2) To unlock the second lock, keep pushing down the white housing lock again and disconnect the connector

### [Unlock the first lock]

- ① Keep pushing down the white housing lock.

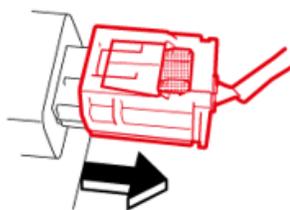


- ② Slide the yellow CPA.

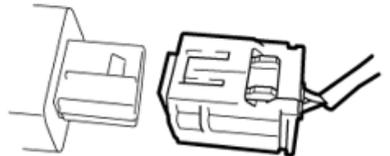


### [Unlock the second lock]

- ③ Keep pushing down the white housing lock.



- ④ Disconnect the connector.

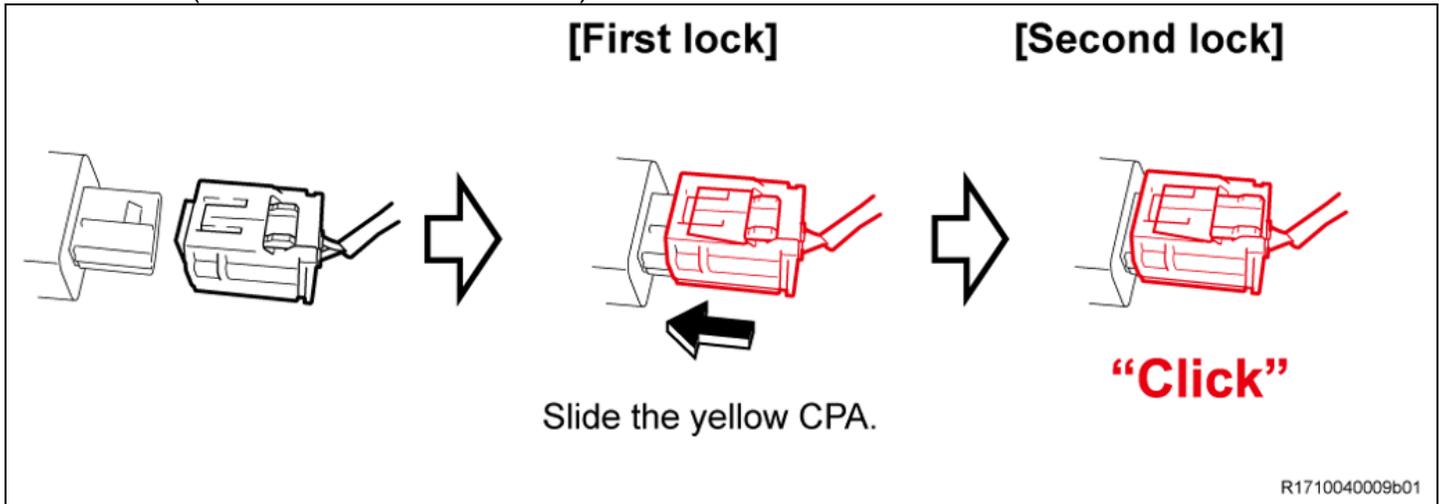


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e. Mark and store the removed front door air bag sensor in a separate container so as not to reinstall it in error

### 13. INSTALL A **NEW** FRONT DOOR AIR BAG SENSOR

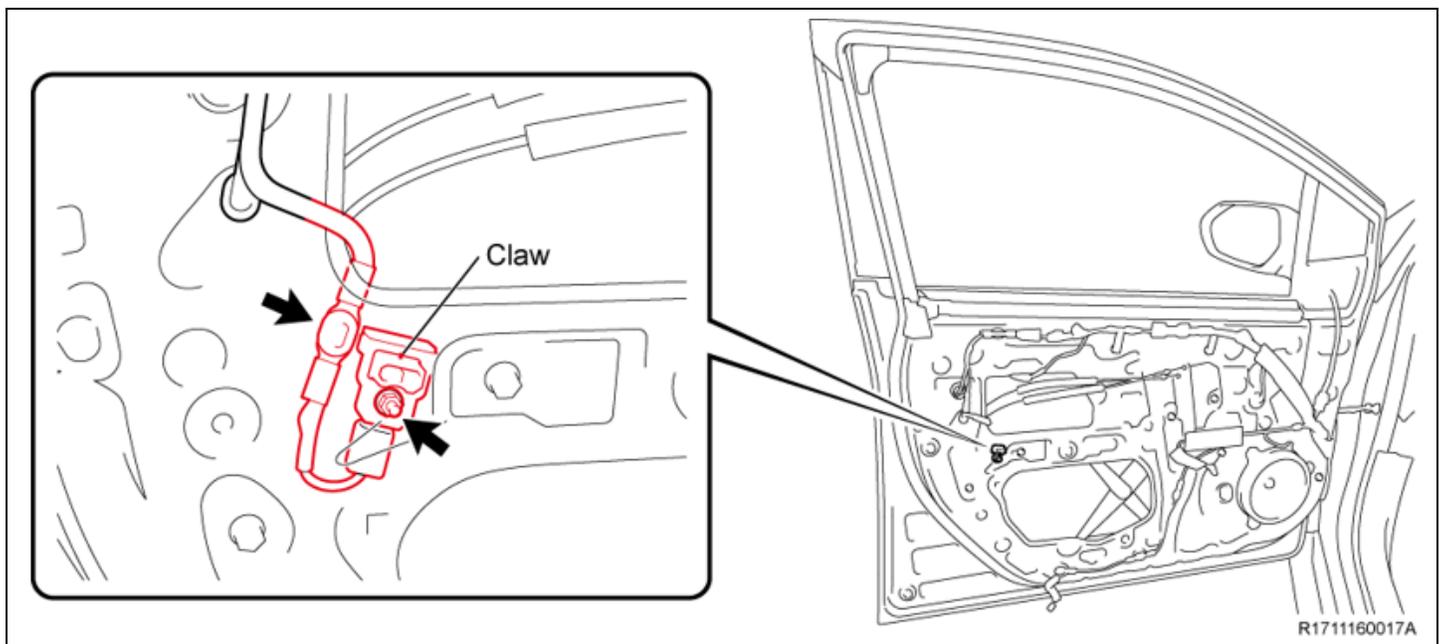
- a. Engage the connector of a **NEW** front door air bag sensor holding the sides of its yellow CPA (a click sound can be heard)

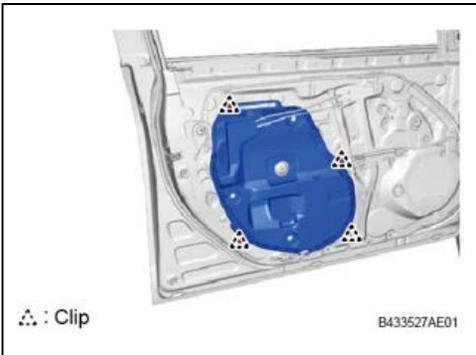


- b. Engage the claw of the **NEW** front door air bag sensor and hold it in place  
c. Reinstall the nut  
**Torque: 80 in.lbs (9.0 N\*m, 92 kgf\*cm)**  
d. Reinstall the harness clamp



**DO NOT** use a sensor which has been affected by strong shocks such as a drop during work.



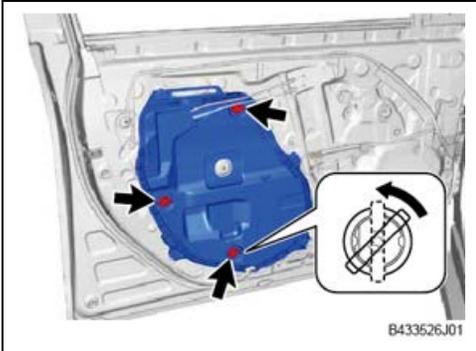


#### 14. REINSTALL FRONT DOOR SERVICE HOLE COVER

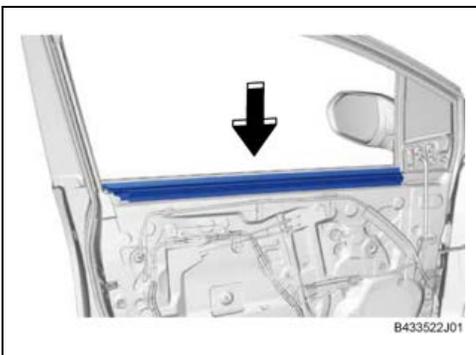
- a. Engage the 4 clips to reinstall the front door service hole cover.

**NOTE:**

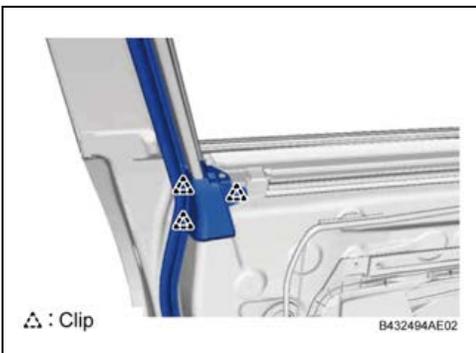
If the foam tape applied on the service hole cover is not peeled off or damaged, the service hole cover can be reused.



- b. Insert 3 front door weatherstrip clips and turn them 45 degrees in the direction of the arrows to reinstall them.

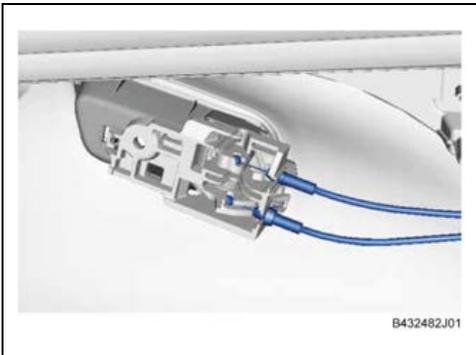


#### 15. REINSTALL FRONT DOOR INNER GLASS WEATHERSTRIP



#### 16. REINSTALL FRONT DOOR TRIM PANEL

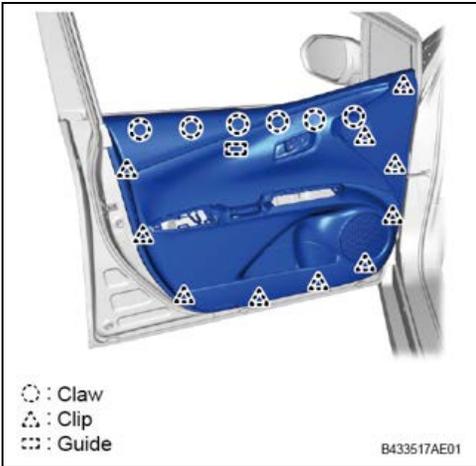
- a. Engage the 3 clips.



b. Reconnect the 2 cables

**NOTE:**

**DO NOT** let the cables cross each other



c. Engage the guide and 6 claws

d. Engage the 10 clips to reinstall the front door trim panel



e. Reinstall the 3 screws



## 17. REINSTALL COURTESY LIGHT ASSEMBLY

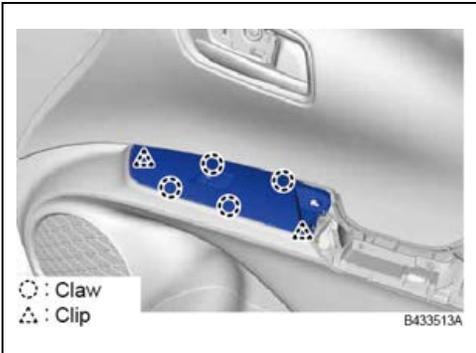
a. Reconnect the connector

b. Engage the claw to reinstall the courtesy light assembly.



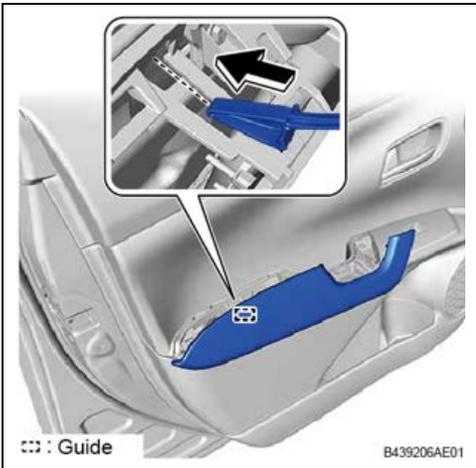
**18. REINSTALL MASTER SWITCH ASSEMBLY (DRIVER SIDE ONLY)**

- a. Reconnect the connector
- b. Engage the 2 clips and 4 claws to reinstall the master switch assembly



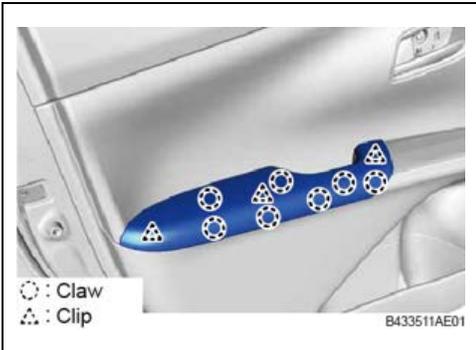
**19. REINSTALL WINDOW SWITCH ASSEMBLY**

- a. Reconnect the connector
- b. Engage the 2 clips and 4 claws to reinstall the power window switch assembly



**20. REINSTALL FRONT ARMREST ASSEMBLY**

- a. Engage the guide



- b. Engage the 3 clips and 7 claws to reinstall the front armrest assembly



- 21. REINSTALL FRONT DOOR INSIDE HANDLE BEZEL PLUG**
- Engage the 3 claws to reinstall the front door inside handle bezel plug



If you need to replace the 2<sup>nd</sup> air bag sensor, replace the 2<sup>nd</sup> air bag sensor before moving to the next step

**22. RECONNECT NEGATIVE BATTERY CABLE**

**23. REINSPECT THE AIR BAG SENSORS USING THE JUDGEMENT SOFTWARE**

**24. RESTORE VEHICLE**

- Perform system initializations

## ◀ VERIFY REPAIR QUALITY ▶

Check that there is no air bag light or DTC's  
Check that you have replaced all NG sensors

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

### VII. APPENDIX

#### A. 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.***

#### B. CAMPAIGN DESIGNATION DECORDER

