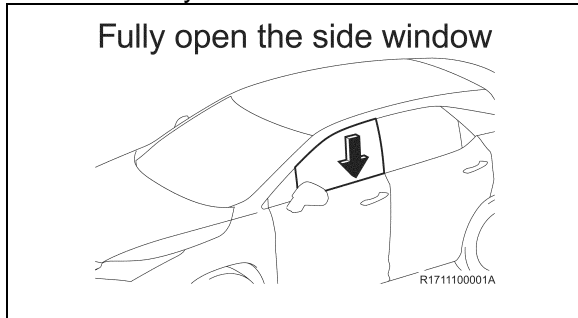


JLA RX Front Door Air Bag Sensor Removal and Install

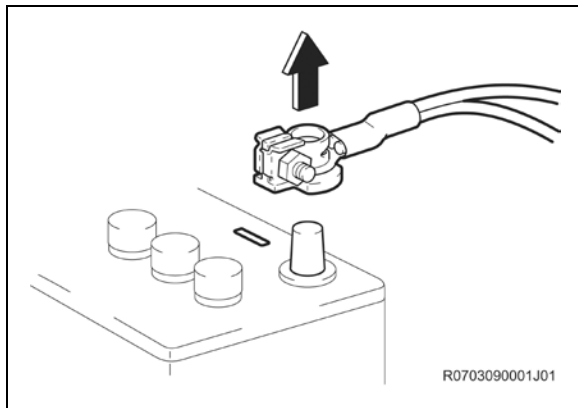
* The illustrations only show the LH side

1. RECORD SETTINGS OF THE AUDIO SYSTEM, AIR CONDITIONER, ETC.

- a) For devices such as the audio system, air conditioner, etc, record current settings before the negative (-) battery terminal is disconnected.



2. FULLY OPEN THE SIDE WINDOW



3. DISCONNECT 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 MASTER SWITCH ASSEMBLY (FOR DRIVER SIDE ONLY)

- a) Using a wide moulding remover, disengage the 4 clips and 4 guides by prying up from the side.

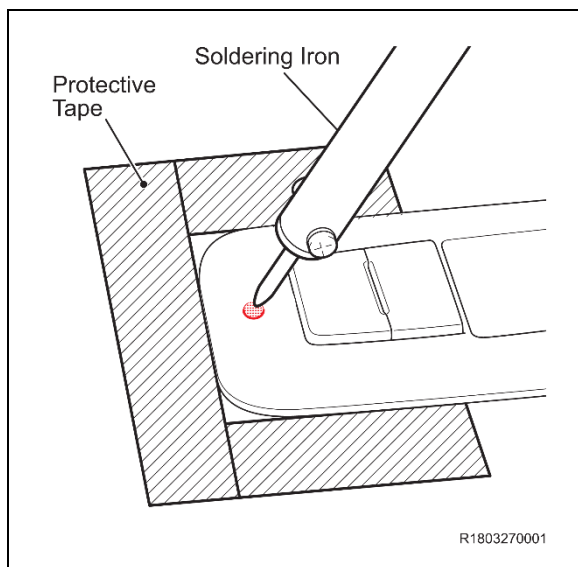


- DO NOT pry from the front or rear of the window switch or else door panel damage may occur

- b) Disconnect the connector.



- The following procedure is designed to reduce the risk of door panel damage during window switch removal. Do not deviate from the procedure below.

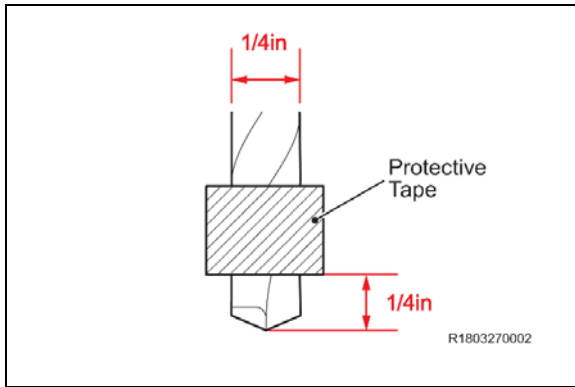


5. REMOVE WINDOW SWITCH FROM DOOR PANEL (PASSENGER SIDE ONLY)

- a) Apply protective tape as shown in the illustration
- b) Using a Soldering iron, make an indent into the window switch cover between the front edge and the lock button.
- c) Make the same indent between the rear edge of the window switch and the window button.

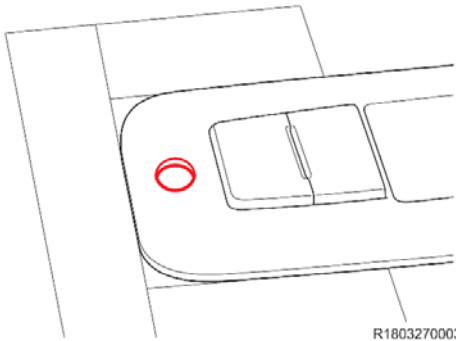


- Be careful to not touch the door panel, window switch buttons, or other interior trim with the soldering iron.



- To prevent the drill to go through the hole and damage the part, wrap protective tape around the drill bit at 1/4in from its point.

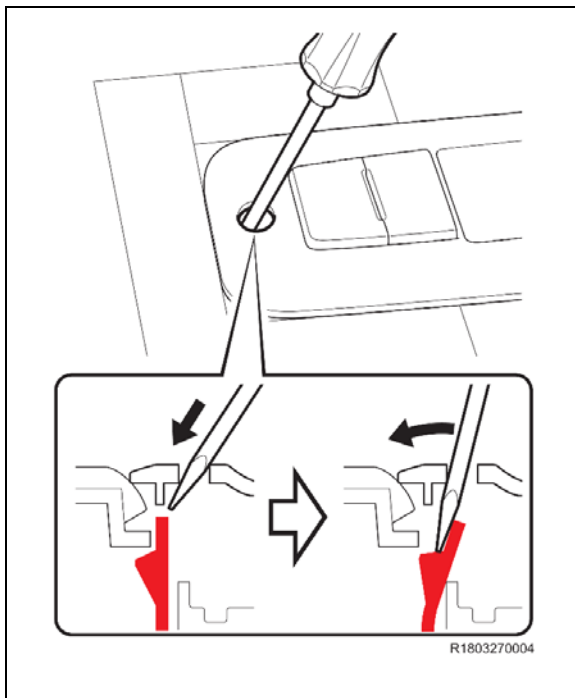
Be careful not to damage the door panel



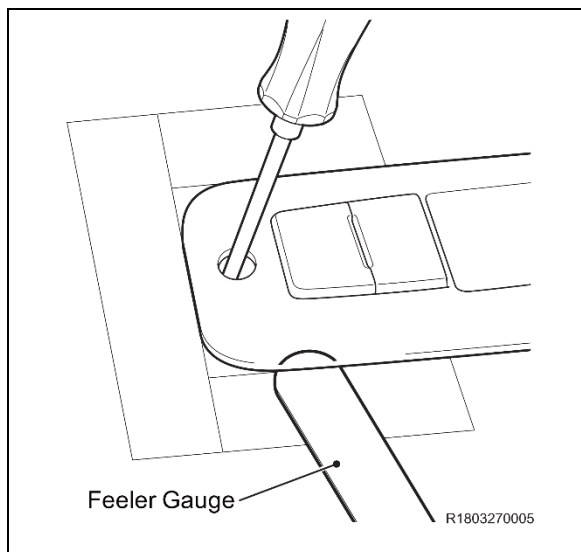
- d) Using a 1/4in drill bit, drill a hole into the window switch cover using the indents made from the soldering iron as a guide.



- Use a slow speed on the drill to reduce the chances of the drill slipping off the window switch.



- e) Using a small screwdriver, release the locking tab by inserting the screwdriver into the hole and prying the tab back.



- f) Once the locking tab is released, using a feeler gauge to lift up on the window switch.
- g) Use the same procedure for releasing the locking tab at the rear of the window switch.



- **Make sure that the locking tab is release before trying to insert a feeler gauge between the window switch and door panel.**
- **If the locking tab is not released, you could cut the leather on the door panel while trying to insert the feeler gauge.**

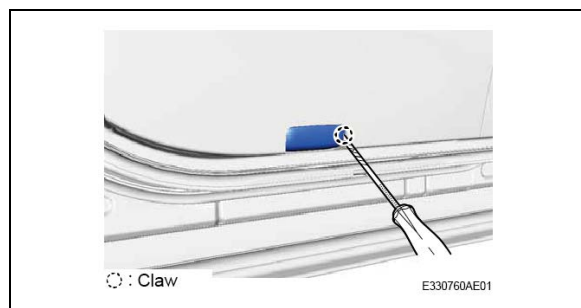
- h) Remove the window switch cover from the window switch assembly and replace with a **NEW** one



6. REMOVE DOOR ARMREST COVER

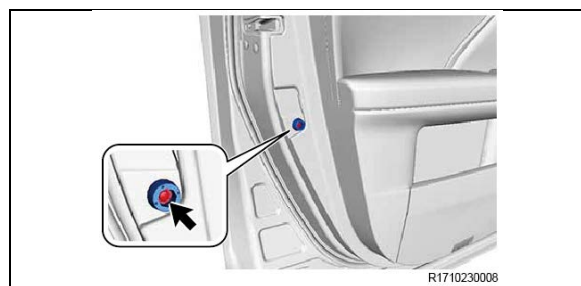
7. REMOVE FRONT DOOR INSIDE HANDLE BEZEL PLUG

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



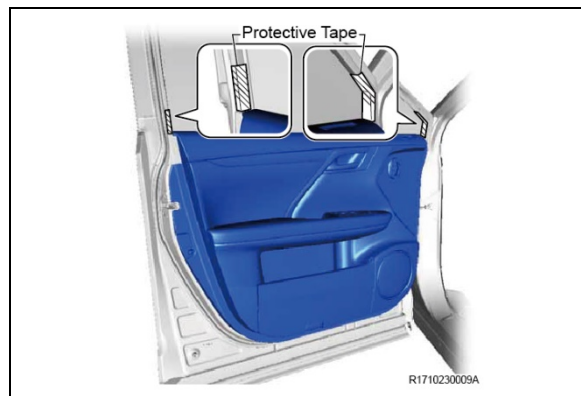
8. REMOVE COURTESY LIGHT ASSEMBLY

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



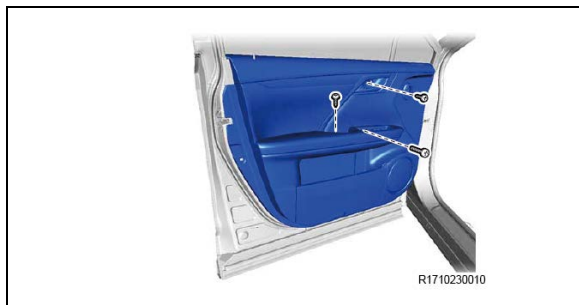
9. REMOVE FRONT DOOR No. 1 STIFFENER CUSHION

- a) Remove the screw and front door No. 1 stiffener cushion.

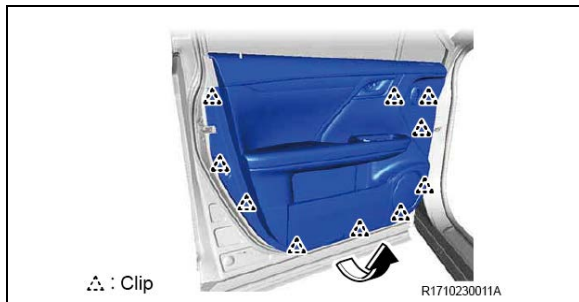


10. REMOVE FRONT DOOR TRIM PANEL

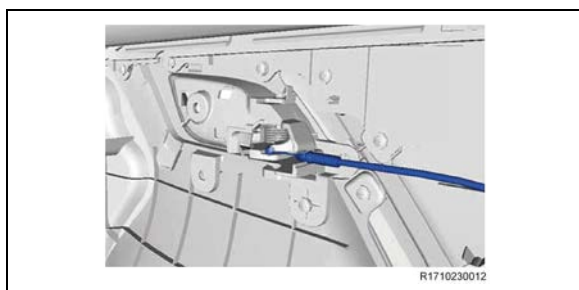
- a) Apply protective tape to the positions shown in the illustration.



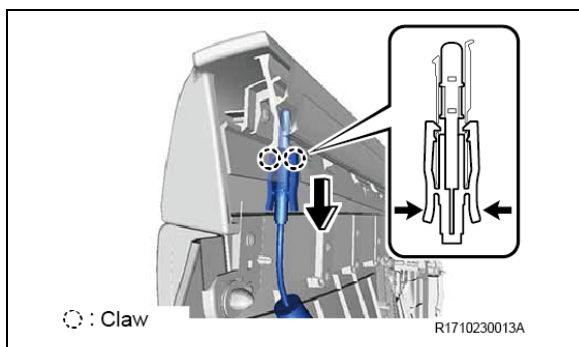
b) Remove the 3 screws.



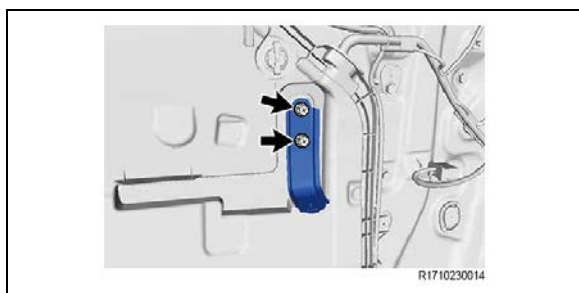
c) Disengage the 10 clips and lift up the front door trim panel.



d) Disconnect the front door lock remote control cable assembly from the front door inside handle.

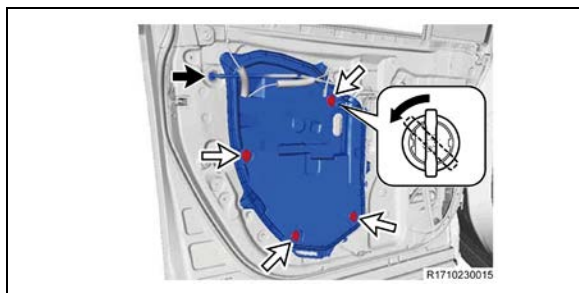


e) Disengage the 2 claws to disconnect the front door inside locking cable assembly and remove the front door trim panel.



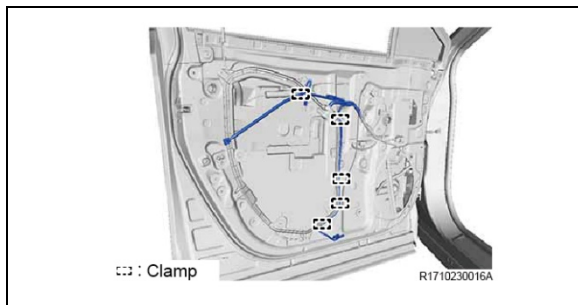
11. REMOVE FRONT DOOR No. 1 TRIM BRACKET

a) Remove the 2 screws and front door No. 1 trim bracket.

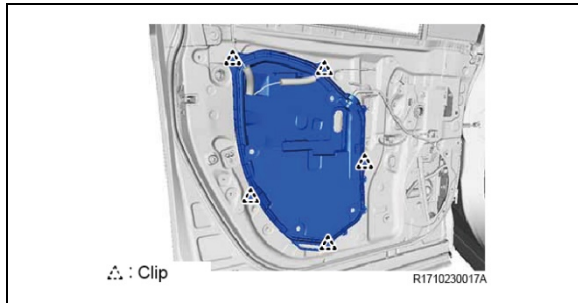


12. REMOVE FRONT DOOR SERVICE HOLE COVER

- Disconnect the connector.
- Turn each of the 4 front door weatherstrip clips 45 degrees in the direction of the arrow, and remove them.



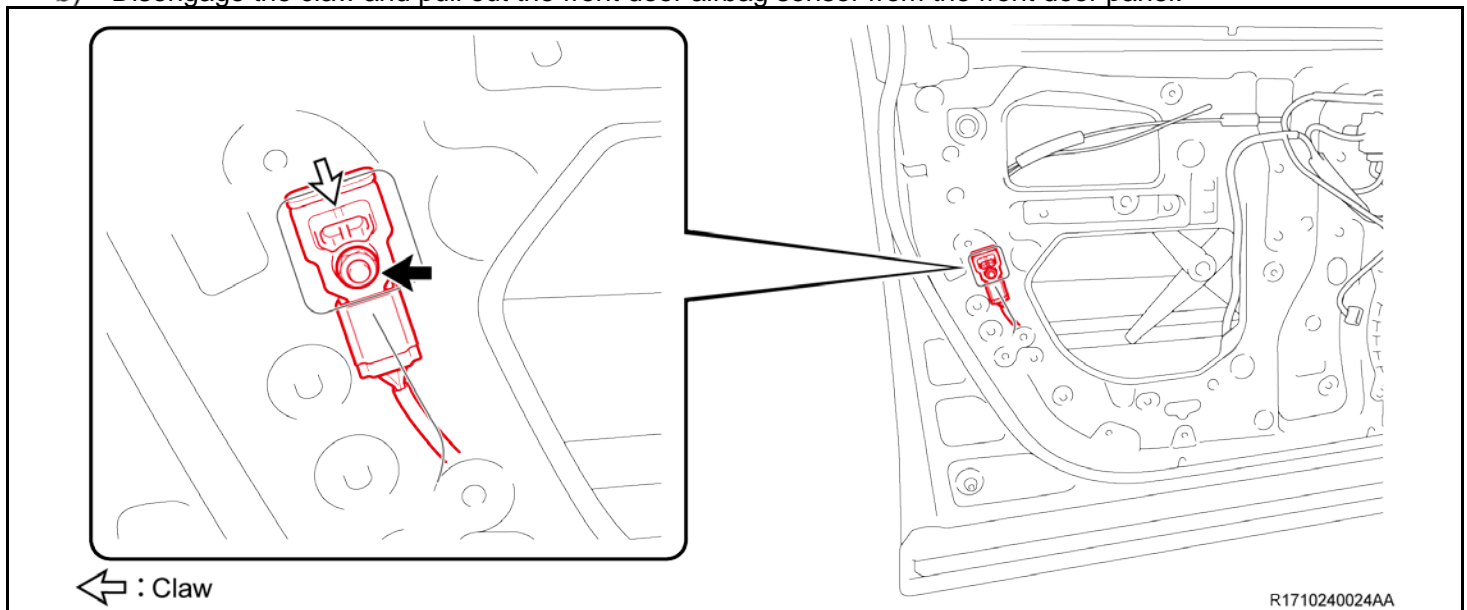
c) Disengage the 5 clamps.



d) Disengage the 5 clips to remove the front door service hole cover.

13. REMOVE FRONT DOOR AIRBAG SENSOR

- a) Remove the nut while holding the front door airbag sensor.
- b) Disengage the claw and pull out the front door airbag sensor from the front door panel.



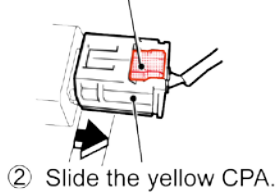
- c) Disconnect the connector following the steps below.
 - (1) To unlock the first lock, keep pushing down the white housing lock and then slide the yellow CPA towards the wire harness.
 - (1) To unlock the second lock, keep pushing down the white housing lock again and disconnect the connector.



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

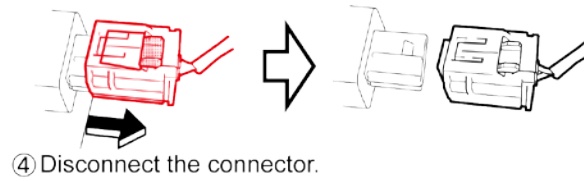
[Unlock the first lock]

- ① Keep pushing down the white housing lock.



[Unlock the second lock]

- ③ Keep pushing down the white housing lock.



R1710040011A01

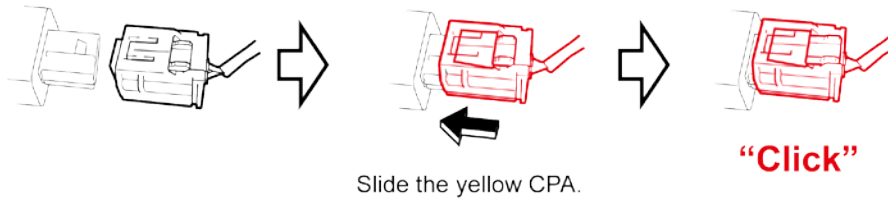
- d) Mark and store the removed front door airbag sensor in a separate container so as not to reinstall it in error.

14. INSTALL A **NEW** FRONT DOOR AIRBAG SENSOR

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

[First lock]

[Second lock]



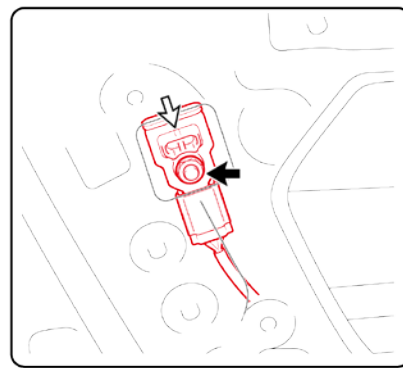
R1710040009A01

- b) Engage the claw of the **NEW** front door airbag sensor and hold it in place.
c) Reinstall the nut.

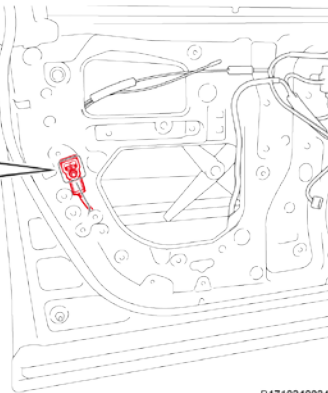
Torque: 5.0 N*m (51 kgf*cm, 44 in.*lbf)



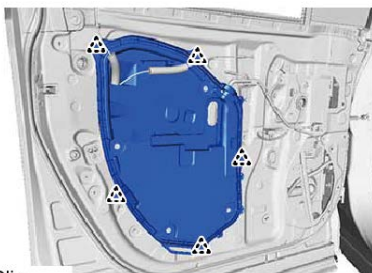
DO NOT use a sensor which has been affected by strong shocks such as being dropped during work.



← : Claw



R1710240024AA



△ : Clip

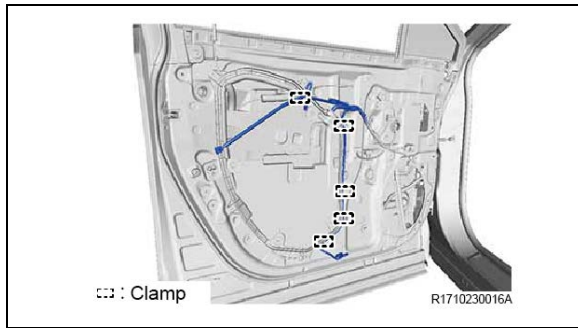
R1710230017A

15. REINSTALL FRONT DOOR SERVICE HOLE COVER

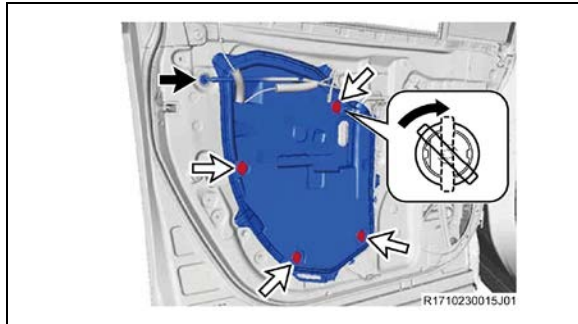
- a) Engage the 5 clips to reinstall the front door service hole cover.

NOTE:

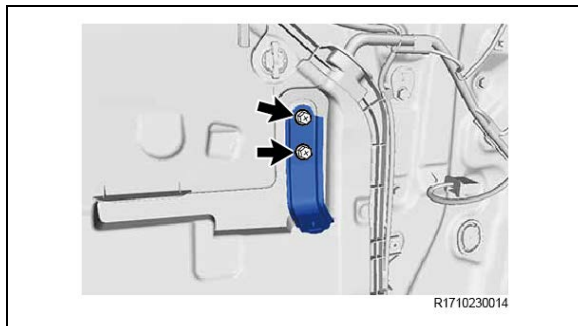
If the foam tape applied on the service hole cover is not peeled off or damaged, the service hole cover can be reused.



b) Engage the 5 clamps.

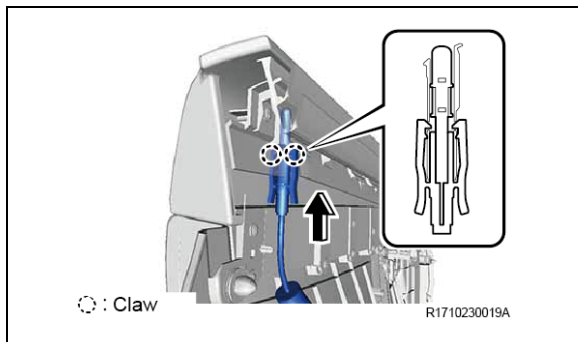


- c) Insert 4 front door weatherstrip clips and turn them 45 degrees in the direction of the arrow to reinstall them.
d) Connect the connector.



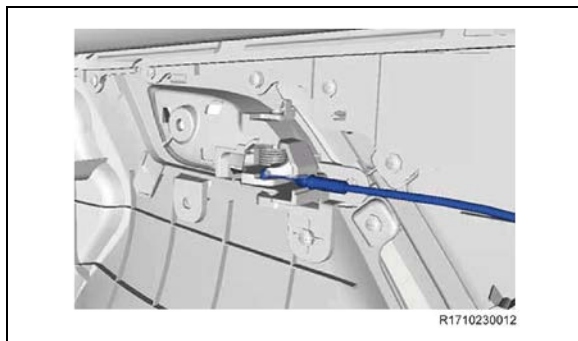
16. REINSTALL FRONT DOOR No. 1 TRIM BRACKET

- a) Reinstall the front door No. 1 trim bracket with the 2 screws.

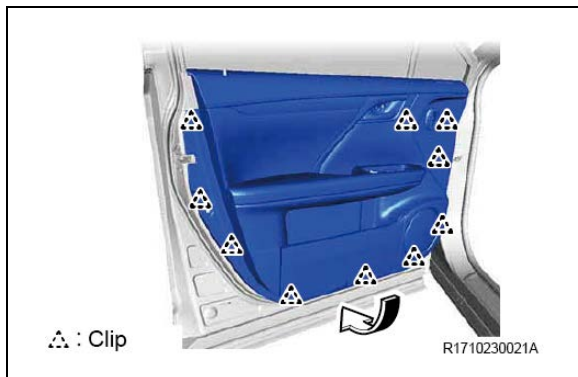


17. REINSTALL FRONT DOOR TRIM PANEL

- a) Engage the 2 claws to connect the front door inside locking cable assembly to the front door trim panel.



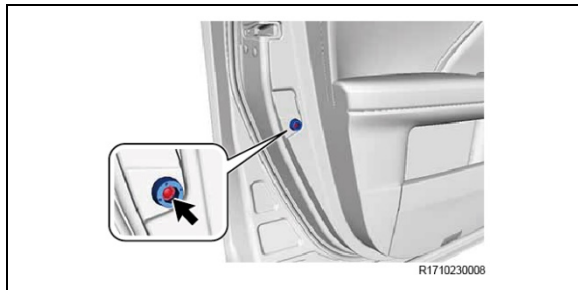
- b) Connect the front door lock remote control cable assembly to the front door inside handle.



c) Engage the 10 clips to reinstall the front door trim panel.

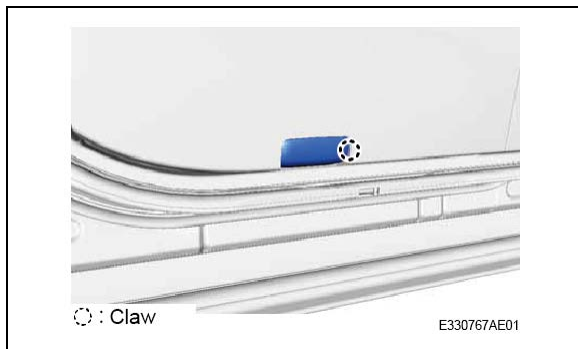


d) Reinstall the 3 screws.



18. REINSTALL FRONT DOOR No. 1 STIFFENER CUSHION

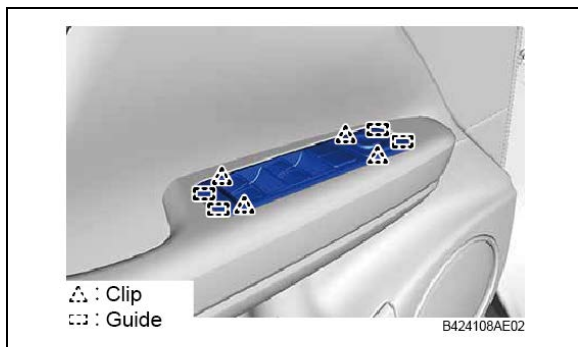
a) Reinstall the front door No. 1 stiffener cushion with the screw.



19. REINSTALL COURTESY LIGHT ASSEMBLY

b) Reconnect the connector.

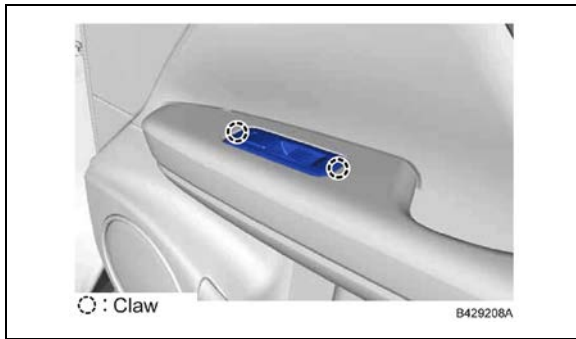
c) Engage the claw to reinstall the courtesy light assembly.



20. REINSTALL MASTER SWITCH (FOR DRIVER SIDE ONLY)

a) Reconnect the connector.

b) Engage the 4 guides and 4 clips to reinstall the multiplex network master switch assembly with front door upper armrest base panel.



21. REINSTALL POWER WINDOW SWITCH (FOR PASSENGER SIDE ONLY)

- Reconnect the connector.
- Engage the 2 claws to reinstall the power window regulator switch assembly with front door upper armrest base panel.



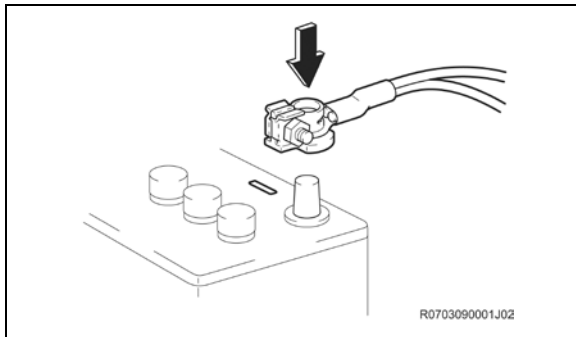
22. REINSTALL FRONT DOOR INSIDE HANDLE BEZEL PLUG

- Engage the 3 claws to reinstall the front door inside handle bezel plug.

23. REINSTALL DOOR ARMREST COVER



Before carrying out the following procedures, replace another sensor if needed.



24. RECONNECT NEGATIVE BATTERY CABLE

25. INSPECT THE AIRBAG SENSORS USING THE JUDGMENT SOFTWARE (PERFORM THE INSPECTION EXCEPT FOR THE FRONT DOOR AIRBAG SENSOR)

26. INSPECT DOOR LOCK AND POWER WINDOW OPERATION

27. RESTORE VEHICLE

- Perform system initializations.