

Last Modified: 09-03-2024	6.11:8.1.0	Doc ID: RM100000002JWJJ
Model Year Start: 2024	Model: Land Cruiser	Prod Date Range: [02/2024 -]
Title: DOOR / HATCH: FRONT DOOR: DISASSEMBLY; 2024 MY Land Cruiser [02/2024 -]		

DISASSEMBLY

CAUTION / NOTICE / HINT

The necessary procedures (adjustment, calibration, initialization, or registration) that must be performed after parts are removed and installed, or replaced during front door disassembly/reassembly are shown below.

Necessary Procedure After Parts Removed/Installed/Replaced

REPLACED PART OR PERFORMED PROCEDURE	NECESSARY PROCEDURES	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURES ARE NOT PERFORMED	LINK
<ul style="list-style-type: none">• Side television camera assembly LH (Including removal and installation)• Outer rear view mirror assembly LH (Including removal and installation)• Side television camera assembly RH (Including removal and installation)• Outer rear view mirror assembly RH (Including removal and installation)	Side television camera view adjustment	<ul style="list-style-type: none">• Panoramic View Monitor System• Multi-terrain Monitor system	INFO
<ul style="list-style-type: none">• Front television camera assembly, radiator grille assembly or front bumper assembly• Rear television camera assembly• Side television camera assembly LH or outer rear view mirror assembly LH• Side television camera assembly RH or outer rear view mirror assembly RH	Television camera view adjustment HINT: Replacement or removal and installation of 2 or more parts		
<ul style="list-style-type: none">• Front door window regulator sub-assembly LH*• Front door window regulator sub-assembly RH*	Initialize power window control system	<ul style="list-style-type: none">• Auto up and down function• Remote control function• Key-linked function• Wireless transmitter-linked function	INFO

*: Even when not replacing the part, it is necessary to perform the specified necessary procedures after installation.

REPLACED PART OR PERFORMED PROCEDURE	NECESSARY PROCEDURES	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURES ARE NOT PERFORMED	LINK
<ul style="list-style-type: none">• Front door glass sub-assembly LH*• Front door glass sub-assembly RH*• Front door glass run LH*• Front door glass run RH*		<ul style="list-style-type: none">• Key-off operation function• Jam protection function• Catch protection function• Window open warning function	

*: Even when not replacing the part, it is necessary to perform the specified necessary procedures after installation.

HINT:

- When the cable is disconnected/reconnected to the auxiliary battery terminal, systems temporarily stop operating. However, each system has a function that completes learning the first time the system is used.
 - Learning completes when vehicle is driven

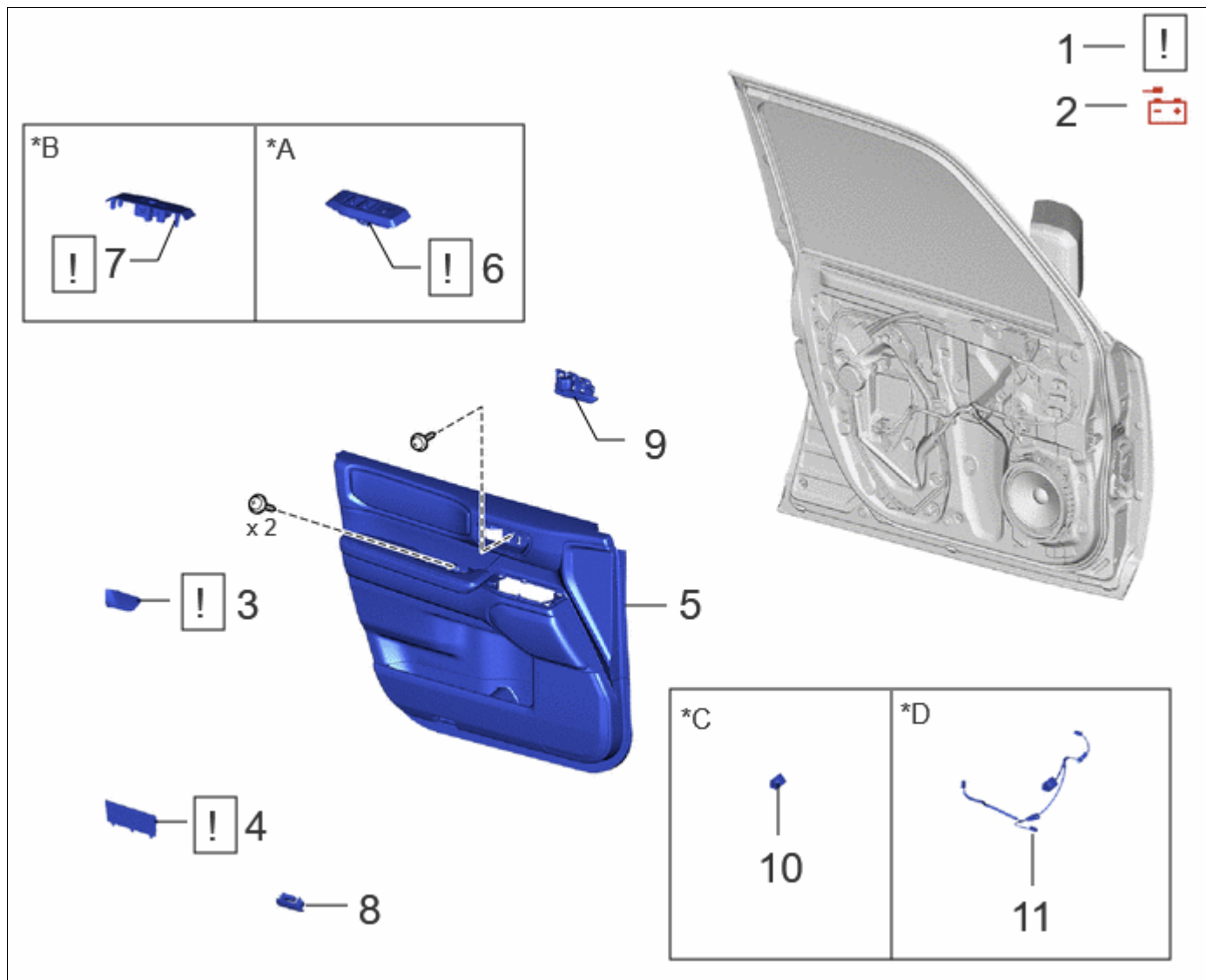
EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURES ARE NOT PERFORMED	NECESSARY PROCEDURES	LINK
Front camera system	Drive the vehicle straight ahead at 35 km/h (22 mph) or more for 5 seconds or more.	INFO

- Learning completes when vehicle is operated normally




EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURES ARE NOT PERFORMED	NECESSARY PROCEDURES	LINK
Air conditioning system	After the ignition switch is turned to ON, the servo motor standard position is recognized.	-
Power back door system	Fully close the back door by hand. HINT: Initialization is not necessary if the above procedures are performed while the back door is closed.	INFO

- Use the same procedure for the LH side and RH side.
- The procedure below is for the LH side.

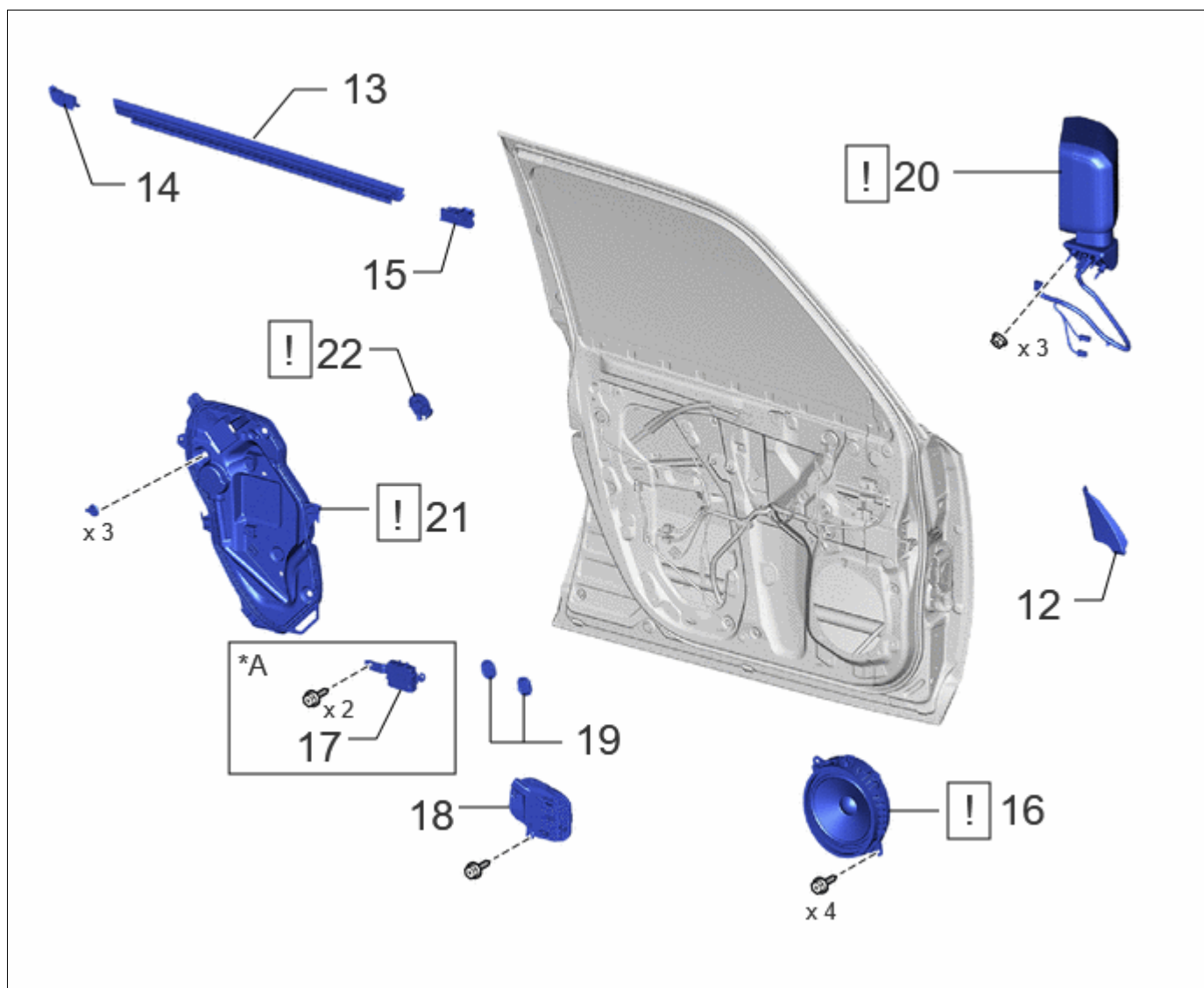
CAUTION / NOTICE / HINT**COMPONENTS (DISASSEMBLY)**









PROCEDURE		PART NAME CODE	[!]	[Pencil]	[Gear]
1	PRECAUTION	-	INFO	-	-
2	DISCONNECT CABLE FROM NEGATIVE AUXILIARY BATTERY TERMINAL	-	-	-	-
3	FRONT DOOR UPPER TRIM COVER LH	67782	INFO	-	-
4	FRONT DOOR ARMREST COVER SUB-ASSEMBLY LH	74038	INFO	-	-
5	FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH	67602	-	-	-
6	POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY WITH FRONT UPPER ARMREST BASE PANEL LH	-	INFO	-	-
7	POWER WINDOW REGULATOR SWITCH ASSEMBLY WITH FRONT UPPER ARMREST BASE PANEL RH	-	INFO	-	-
8	COURTESY LIGHT ASSEMBLY	81230	-	-	-

PROCEDURE		PART NAME CODE			
9	FRONT DOOR INSIDE HANDLE SUB-ASSEMBLY LH	69206B	-	-	-
10	WIRING HARNESS CONNECTOR	-	-	-	-
11	FRONT DOOR WIRE LH	82152A	-	-	-

*A	for Driver Side	*B	for Front Passenger Side
*C	w/o Illumination	*D	w/ Illumination



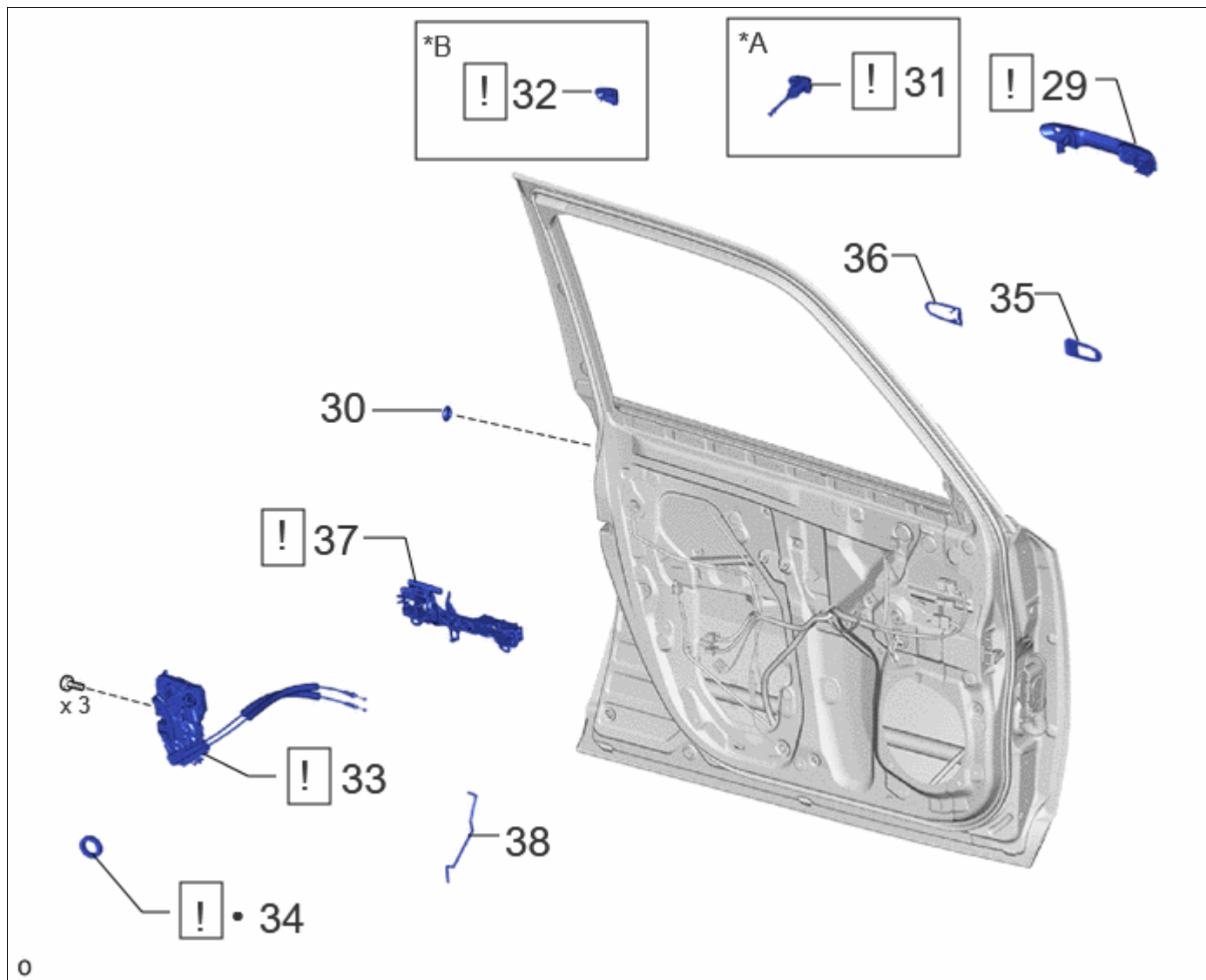
PROCEDURE		PART NAME CODE			
12	FRONT DOOR LOWER FRAME BRACKET GARNISH LH	67492A	-	-	-

PROCEDURE		PART NAME CODE			
13	FRONT DOOR INNER GLASS WEATHERSTRIP LH	68172A	-	-	-
14	FRONT DOOR PANEL PROTECTOR LH	67856D	-	-	-
15	FRONT DOOR REAR OUTSIDE SEAL LH	67852D	-	-	-
16	FRONT NO.1 SPEAKER ASSEMBLY	86160	INFO	-	-
17	OUTER MIRROR CONTROL ECU ASSEMBLY LH	89430A	-	-	-
18	OUTER MIRROR INSTALL HOLE COVER LH	87964	-	-	-
19	HOLE PLUG	-	-	-	-
20	OUTER REAR VIEW MIRROR ASSEMBLY LH	87940	INFO	-	-
21	FRONT DOOR SERVICE HOLE COVER LH	67832	INFO	-	-
22	SIDE AIRBAG PRESSURE SENSOR LH	8983AA	INFO	-	-




*A	w/ Outer Mirror control ECU	-	-
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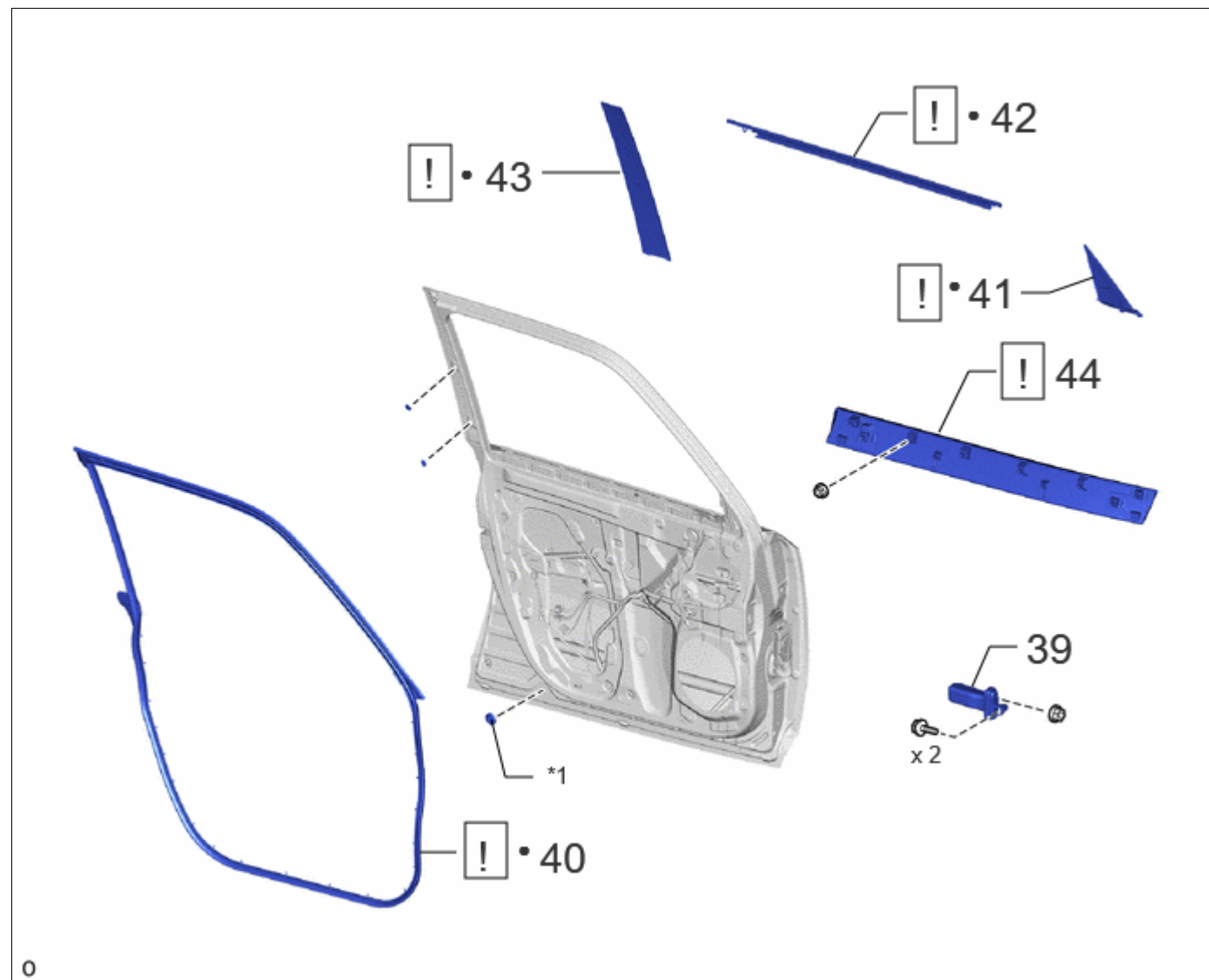
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PROCEDURE		PART NAME CODE			
29	FRONT DOOR OUTSIDE HANDLE ASSEMBLY LH	69220	INFO	-	-
30	HOLE PLUG	-	-	-	-
31	FRONT DOOR LOCK CYLINDER ASSEMBLY	-	INFO	-	-
32	FRONT DOOR OUTSIDE HANDLE COVER	69217D	INFO	-	-
33	FRONT DOOR LOCK WITH MOTOR ASSEMBLY LH	69040A	INFO	-	-
34	DOOR LOCK WIRING HARNESS SEAL	69318C	INFO	-	-
35	FRONT DOOR FRONT OUTSIDE HANDLE PAD	69241H	-	-	-
36	FRONT DOOR REAR OUTSIDE HANDLE PAD	69242E	-	-	-
37	FRONT DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY LH	69202A	INFO	-	-

PROCEDURE		PART NAME CODE			
38	FRONT DOOR LOCK OPEN ROD LH	69312	-	-	-

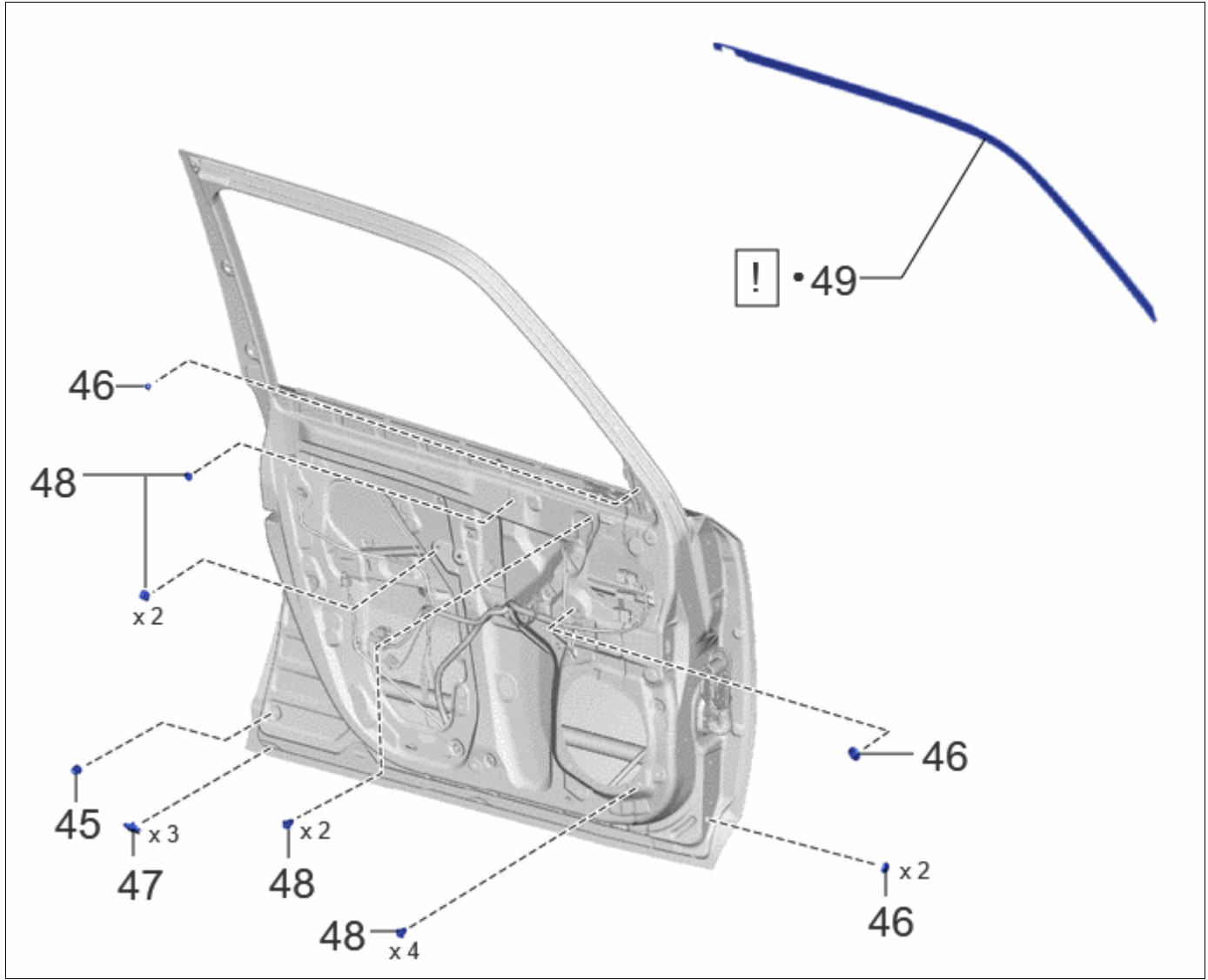
*A	for Driver Side	*B	for Front Passenger Side
•	Non-reusable part	-	-






PROCEDURE		PART NAME CODE			
39	FRONT DOOR CHECK ASSEMBLY LH	68620	-	-	-
40	FRONT DOOR WEATHERSTRIP LH	67862	INFO	-	-

PROCEDURE		PART NAME CODE			
41	FRONT DOOR FRONT LOWER FRAME UPPER COVER LH	67496C	INFO	-	-
42	FRONT DOOR BELT MOULDING LH	75712B	INFO	-	-
43	FRONT DOOR WINDOW FRAME MOULDING LH(CENTER PILLAR SIDE)	75756D	INFO	-	-
44	FRONT DOOR LOWER OUTSIDE MOULDING SUB-ASSEMBLY LH	75074	INFO	-	-

*1	HOLE PLUG	-	-
•	Non-reusable part	-	-




PROCEDURE		PART NAME CODE			
45	FRONT DOOR PANEL CUSHION	67001A	-	-	-
46	HOLE PLUG	-	-	-	-
47	FRONT DOOR DUST PROOF SEAL	67837B	-	-	-
48	SCREW GROMMET	-	-	-	-
49	NO. 1 BLACK OUT TAPE LH	75922M	INFO	-	-

<ul style="list-style-type: none">•	Non-reusable part	-	-
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PROCEDURE


1. PRECAUTION



CAUTION:

Some of these service operations affect the SRS airbag system. Read the precautionary notices concerning the SRS airbag system before servicing.

Click here [INFO](#)




H

NOTICE:

After the ignition switch is turned off, there may be a waiting time before disconnecting the negative (-) auxiliary battery terminal.

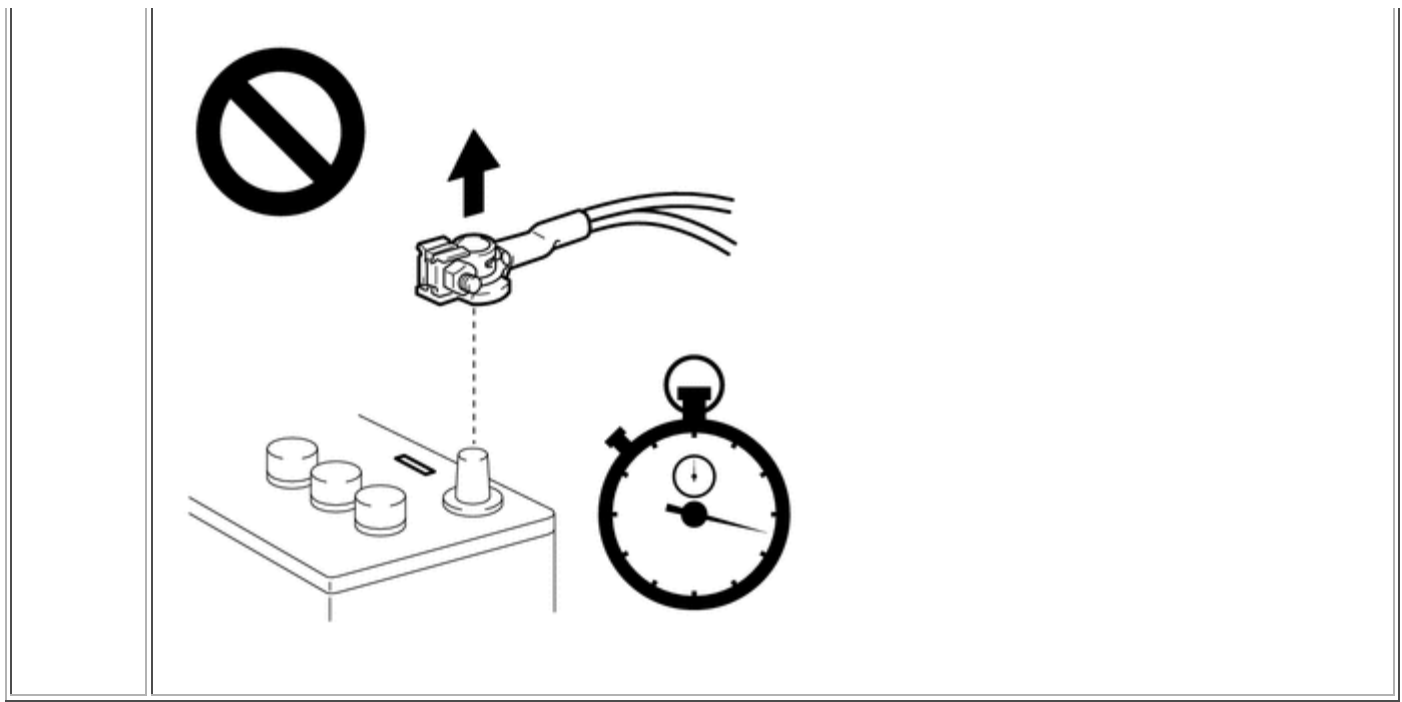
[INFO](#)

2. DISCONNECT CABLE FROM NEGATIVE AUXILIARY BATTERY TERMINAL



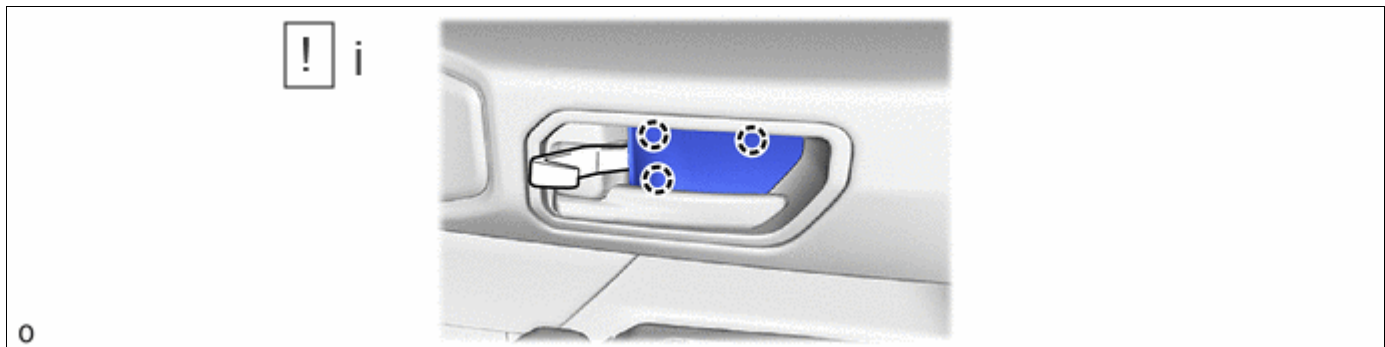
CAUTION:

- Wait at least 60 seconds after disconnecting the cable from the negative (-) auxiliary battery terminal to disable the SRS system.
- If the airbag deploys for any reason, it may cause a serious accident.



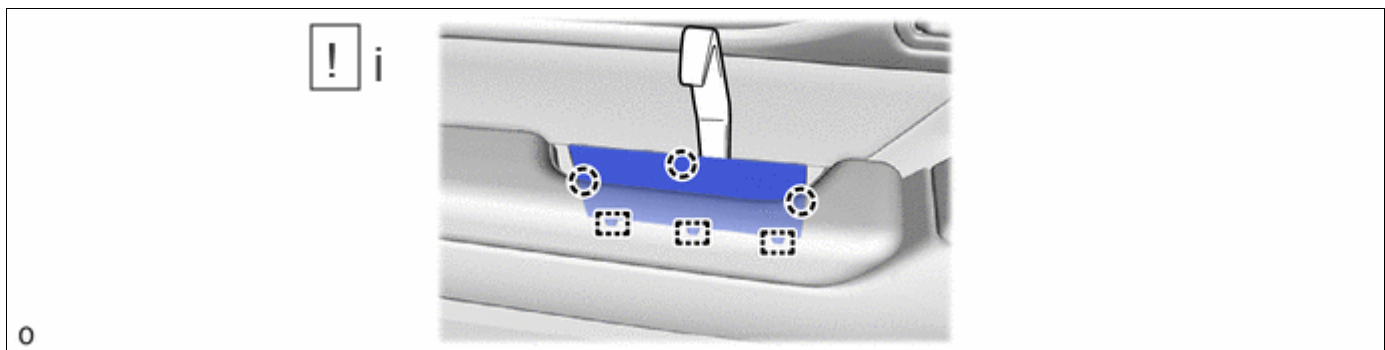
Click here [INFO](#)

3. REMOVE FRONT DOOR UPPER TRIM COVER LH



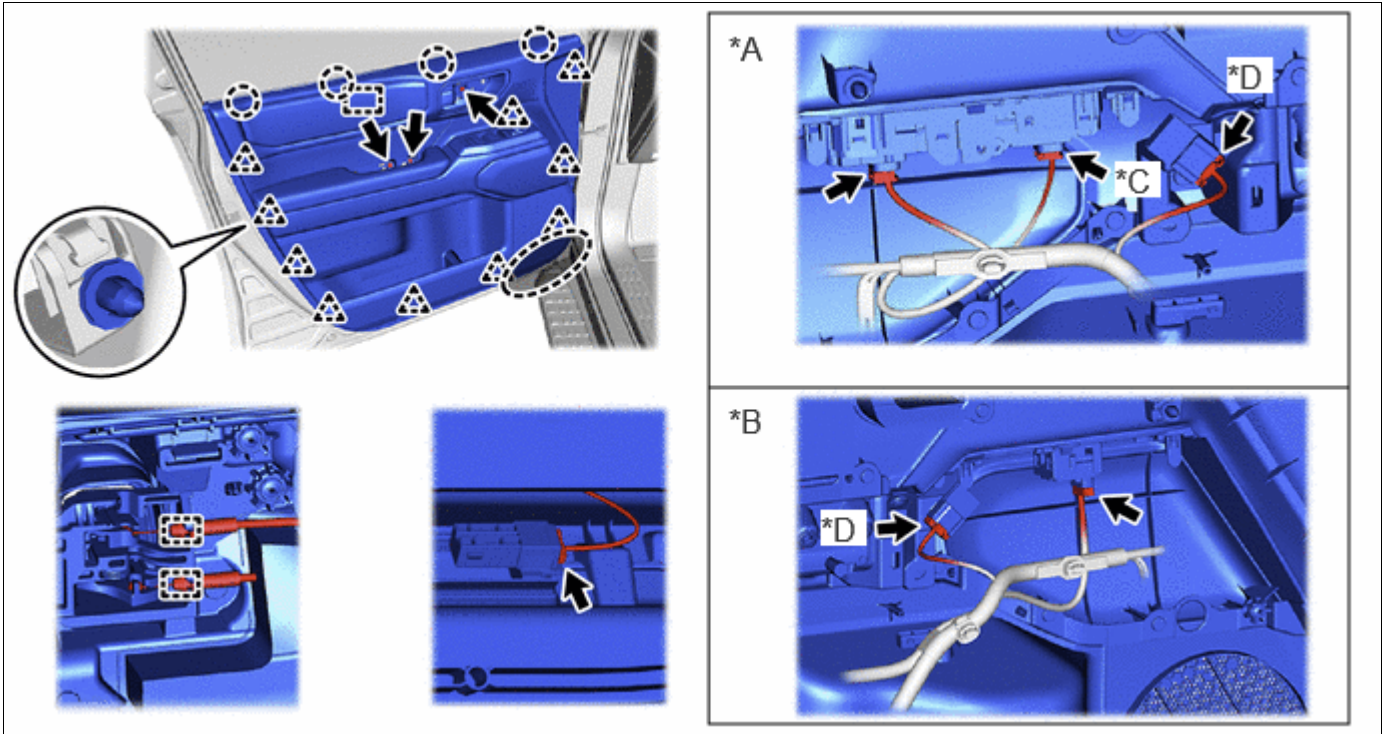
(1) Using a moulding remover A, detach the claw and remove the front door upper trim cover LH.


4. REMOVE FRONT DOOR ARMREST COVER SUB-ASSEMBLY LH



(1) Using a moulding remover A, detach the claw and guide to remove the door armrest cover sub-assembly LH.

5. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH



*A	for Driver Side	*B	for Front Passenger Side
*C	w/o Seat Position Memory	*D	w/ Illumination
	Place Hands Here	-	-

6. REMOVE POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY WITH FRONT UPPER ARMREST BASE PANEL LH (for Driver Side)



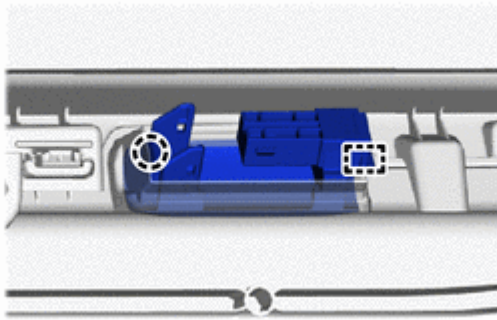
Click here [INFO](#)

7. REMOVE POWER WINDOW REGULATOR SWITCH ASSEMBLY WITH FRONT UPPER ARMREST BASE PANEL RH (for Front Passenger Side)

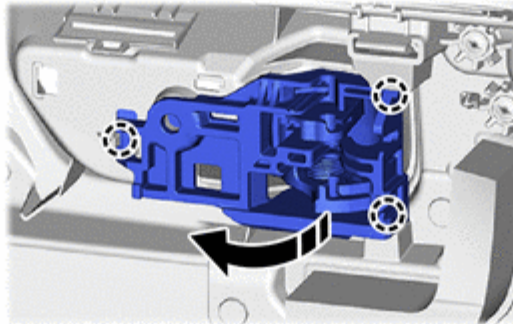


Click here [INFO](#)

8. REMOVE COURTESY LIGHT ASSEMBLY



9. REMOVE FRONT DOOR INSIDE HANDLE SUB-ASSEMBLY LH



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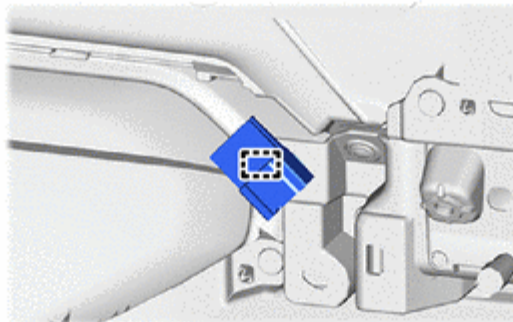


Remove in this Direction

-

-

10. REMOVE WIRING HARNESS CONNECTOR (w/o Illumination)

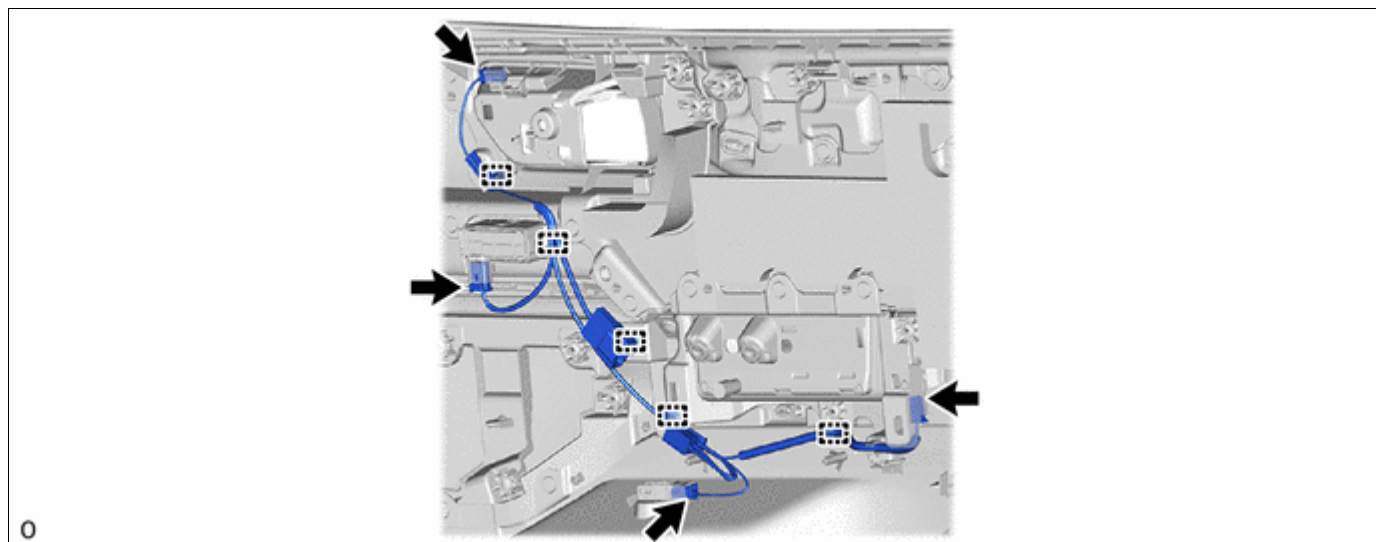


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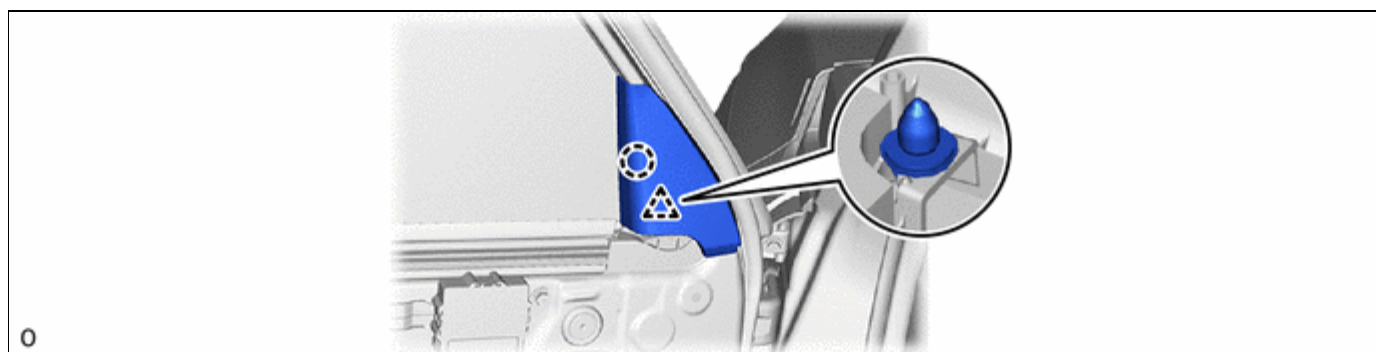
11. REMOVE FRONT DOOR WIRE LH (w/ Illumination)

HINT:

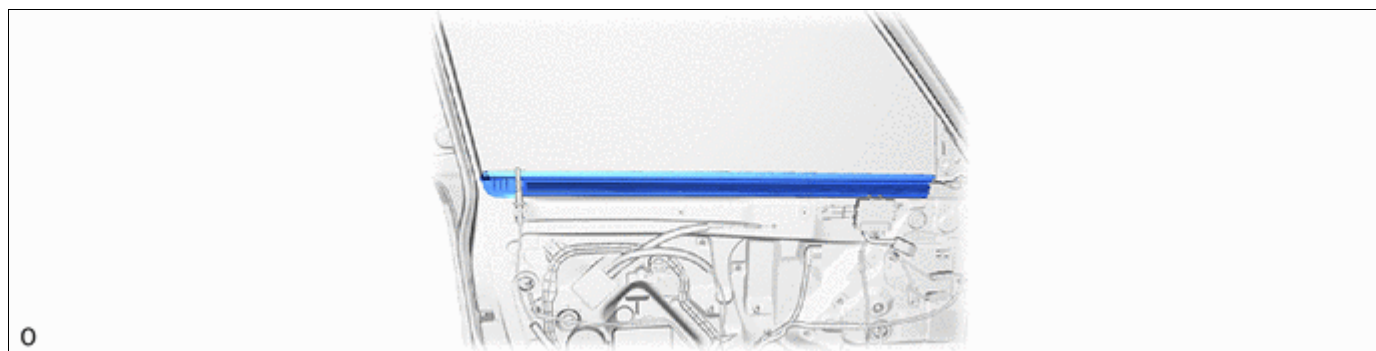
The illustration is an example, so the details may differ.



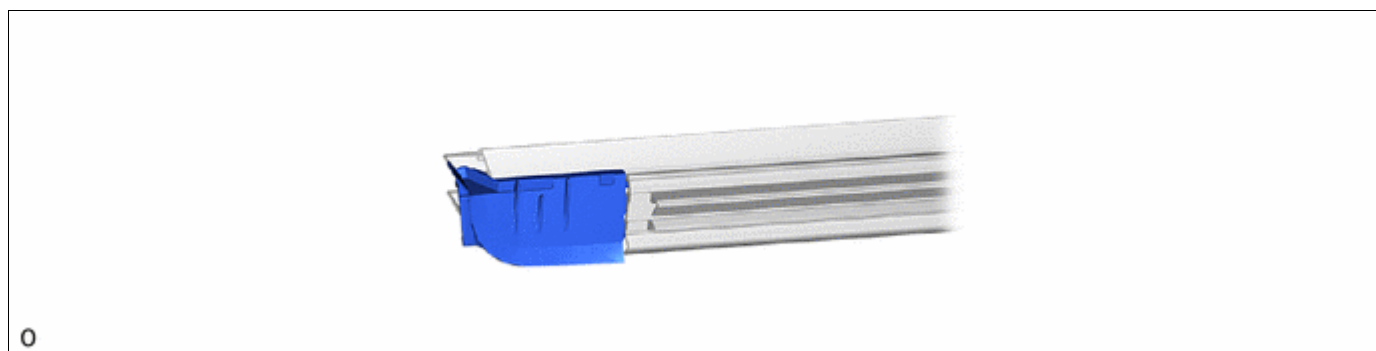
12. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH

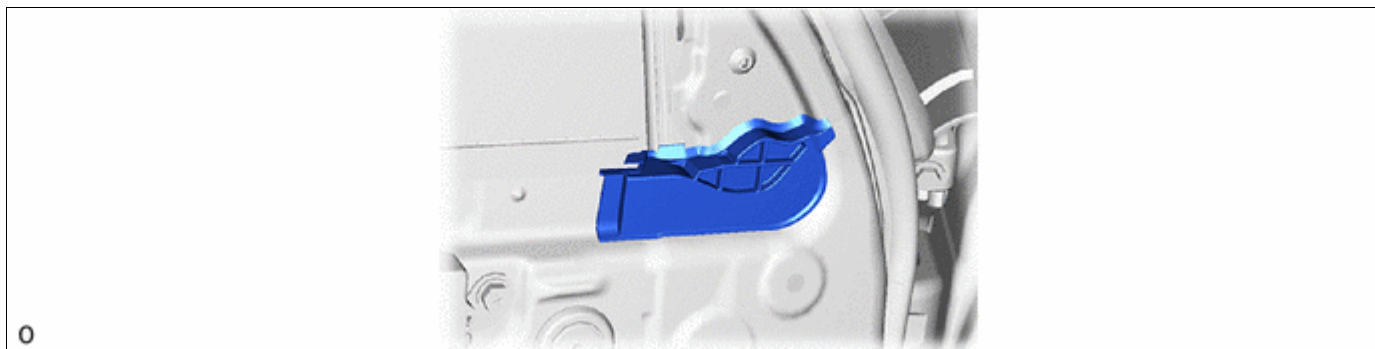
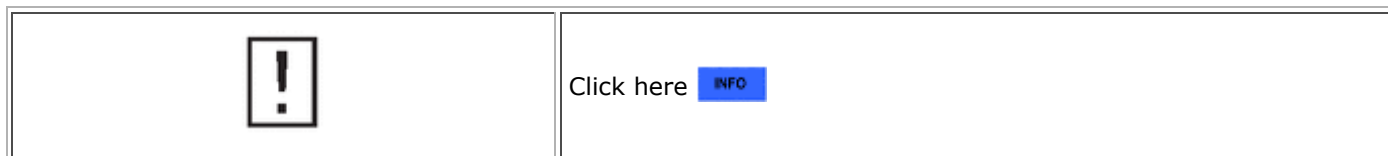


13. REMOVE FRONT DOOR INNER GLASS WEATHERSTRIP LH



14. REMOVE FRONT DOOR PANEL PROTECTOR LH

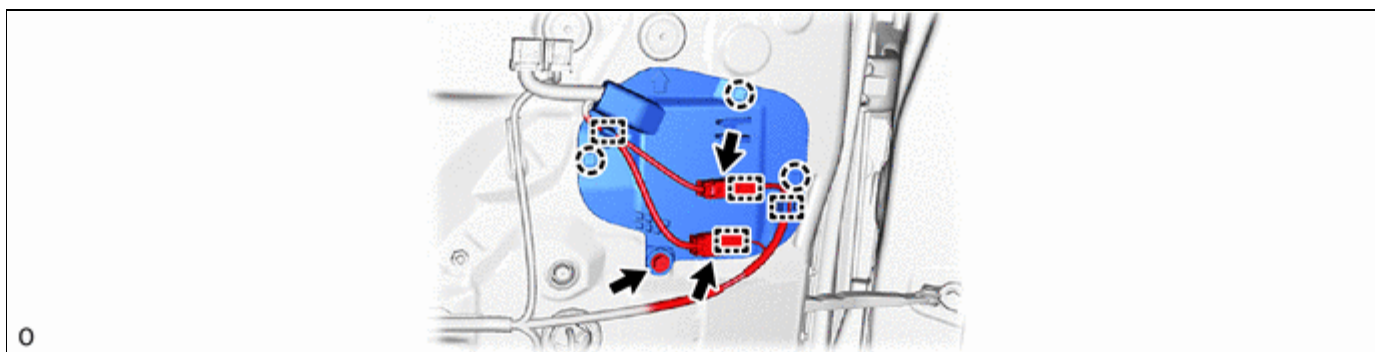


15. REMOVE FRONT DOOR REAR OUTSIDE SEAL LH**16. REMOVE FRONT NO.1 SPEAKER ASSEMBLY****17. REMOVE OUTER MIRROR CONTROL ECU ASSEMBLY LH (w/ Outer Mirror control ECU)**

Click here [INFO](#)

18. REMOVE OUTER MIRROR INSTALL HOLE COVER LH**HINT:**

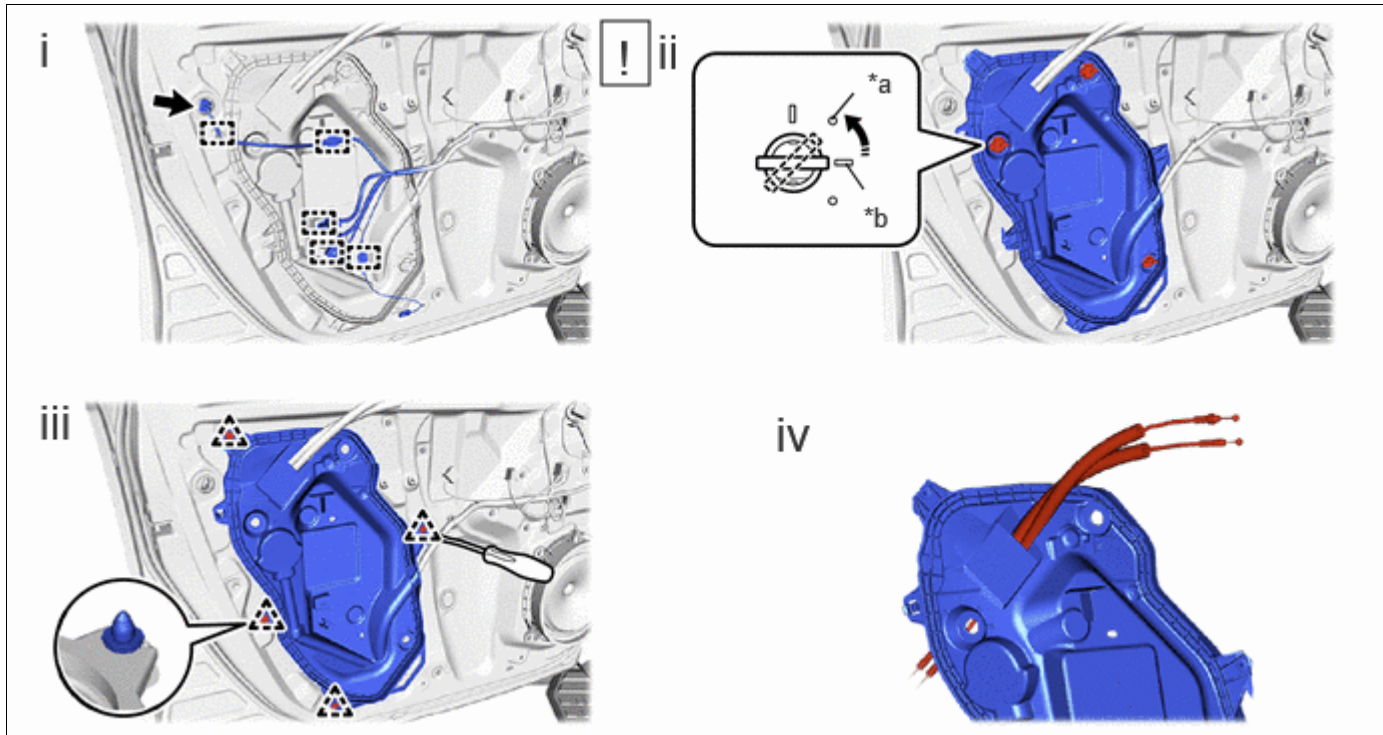
The illustration is an example, so the details may differ.

**19. REMOVE HOLE PLUG****20. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY LH**



Click here [INFO](#)

21. REMOVE FRONT DOOR SERVICE HOLE COVER LH



*a	Location Mark	*b	Bead Mark
	Turn in this Direction	-	-

- (1) Disconnect the connector and detach the clamp.
- (2) Turn the service hole cover clip 45°clockwise to remove the 3 service hole cover clips as shown in the illustration.
- (3) Detach the clip to remove front door service hole cover LH.
- (4) Pull out the front door open lever lock remote control cable and front door lock / unlock knob inside locking cable from the front door service hole cover LH.

22. REMOVE SIDE AIRBAG PRESSURE SENSOR LH

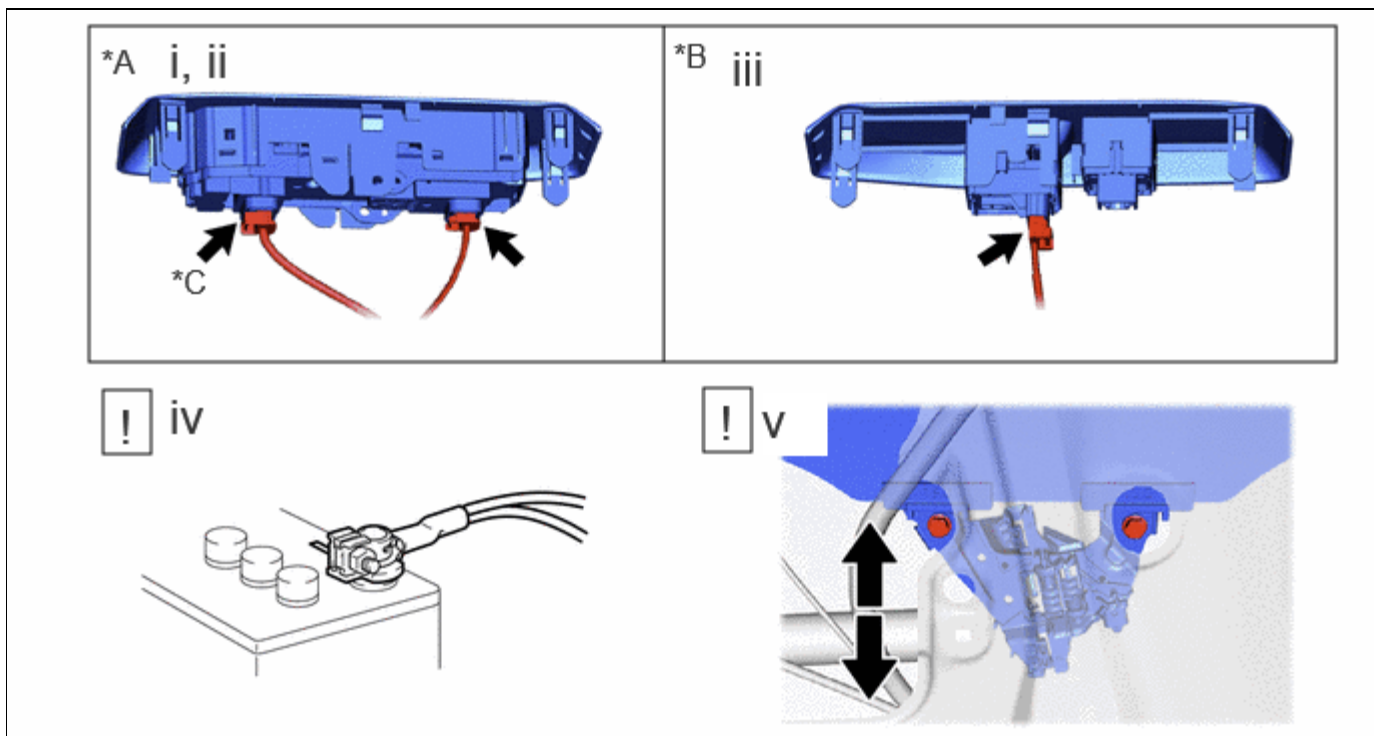


Click here [INFO](#)

23. REMOVE HOLE PLUG



24. REMOVE FRONT DOOR GLASS SUB-ASSEMBLY LH



*A	for Driver Side	*B	for Front Passenger Side
*C	w/o Seat Position Memory	-	-

(1) for Driver Side, w/ Seat Position Memory:

1. Connect the connector to the multiplex network master switch assembly with front door armrest base panel.

(2) for Driver Side, w/o Seat Position Memory:

1. Connect the 2 connectors to the multiplex network master switch assembly with front door armrest base panel.

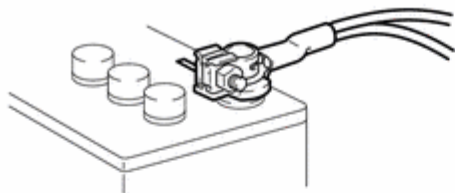
(3) for Front Passenger Side:

1. Connect the connector to the power window regulator switch assembly with front door armrest base panel.

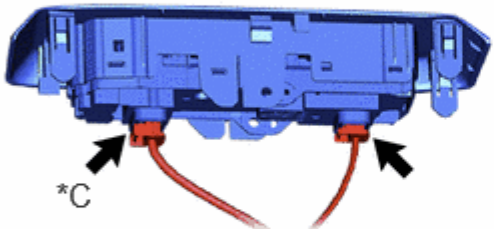
(4) Connect the cable to the negative (-) auxiliary battery terminal and turn the ignition switch to ON.

Click here [INFO](#)

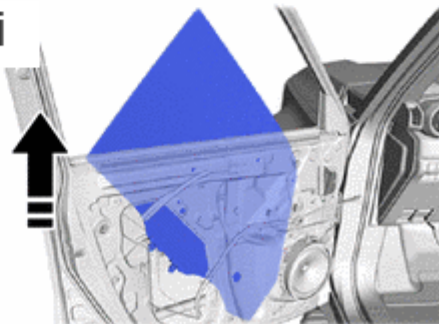
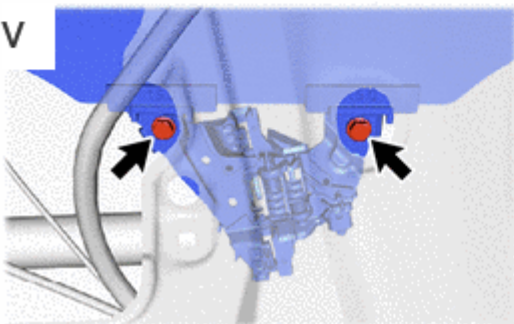
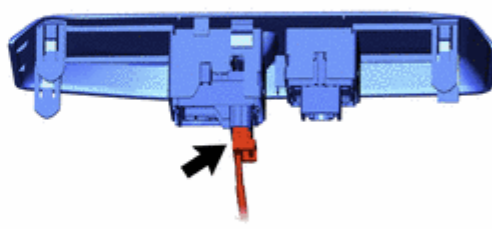
(5) Move the front door glass sub-assembly LH so that the door glass bolts can be seen.



ii, iii *A



iv *B

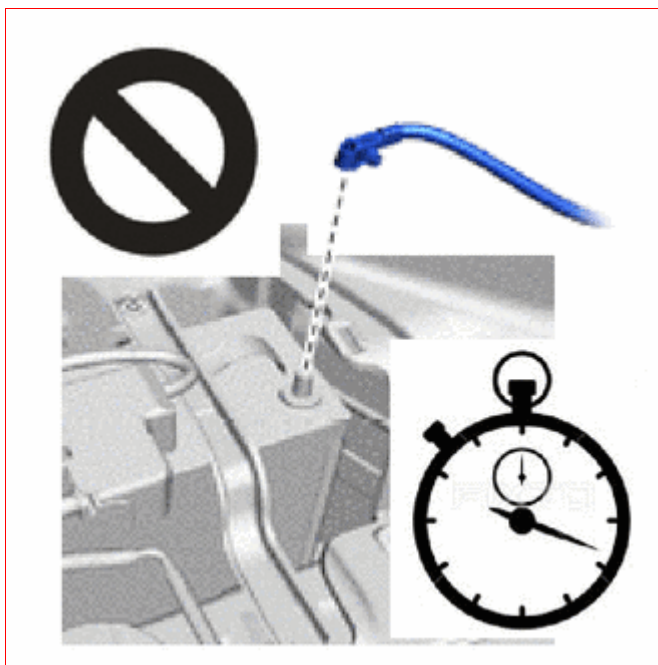


*A	for Driver Side	*B	for Front Passenger Side
*C	w/o Seat Position Memory	-	-
	Remove in this Direction	-	-

(1) Turn the ignition switch off and disconnect the cable from the negative (-) auxiliary battery terminal.

CAUTION:

- Wait at least 60 seconds after disconnecting the cable from the negative (-) auxiliary battery terminal to



disable the SRS system.

- If an airbag deploys for any reason, it may cause a serious injury.

Click here [INFO](#)

(2) for Driver Side, w/ Seat Position Memory:

1. Disconnect the connector from the multiplex network master switch assembly with front door armrest base panel.

(3) for Driver Side, w/o Seat Position Memory:

1. Disconnect the 2 connectors from the multiplex network master switch assembly with front door armrest base panel.

(4) for Front Passenger Side:

1. Disconnect the connector from the power window regulator switch assembly with front door armrest base panel.

(5) Remove the 2 bolts.

NOTICE:

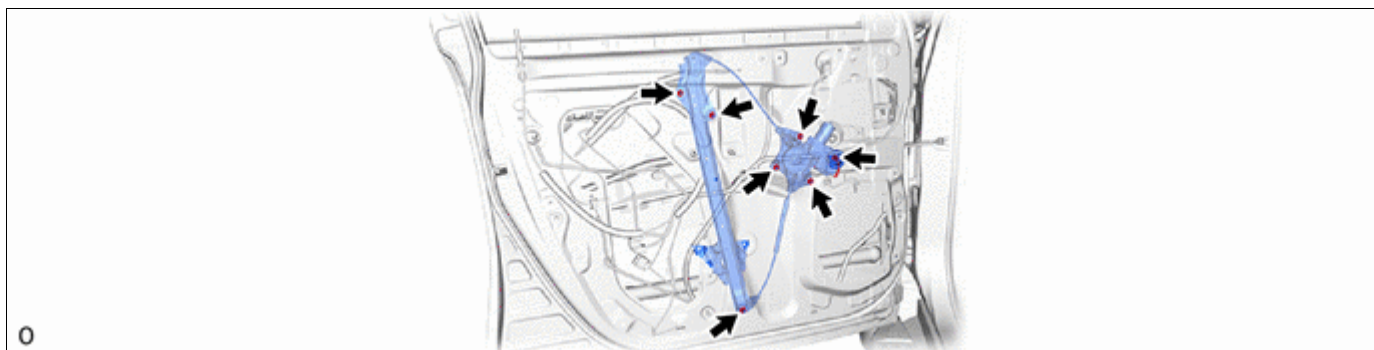
After the bolts are removed, do not allow the front door glass sub-assembly LH to fall.

(6) Remove the front door glass sub-assembly LH as shown in the illustration.

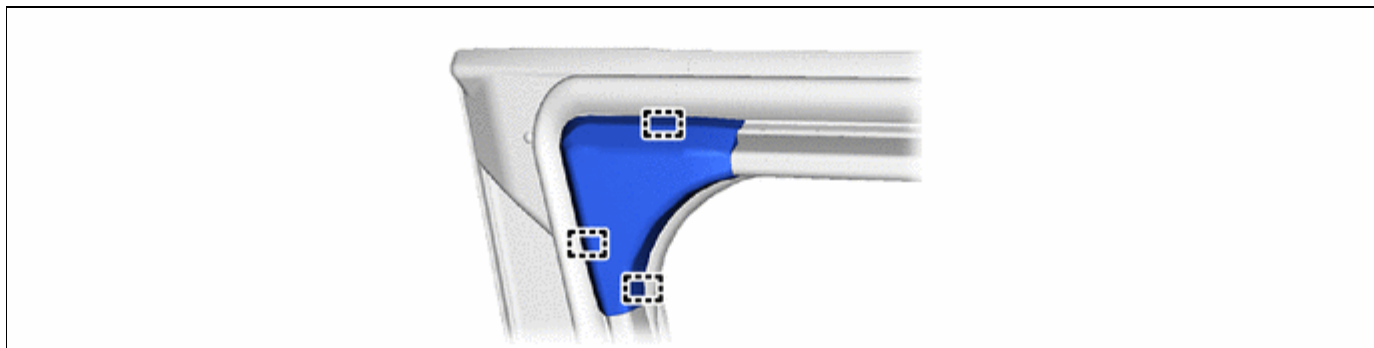
NOTICE:

Be careful not to damage the front door glass sub-assembly LH.

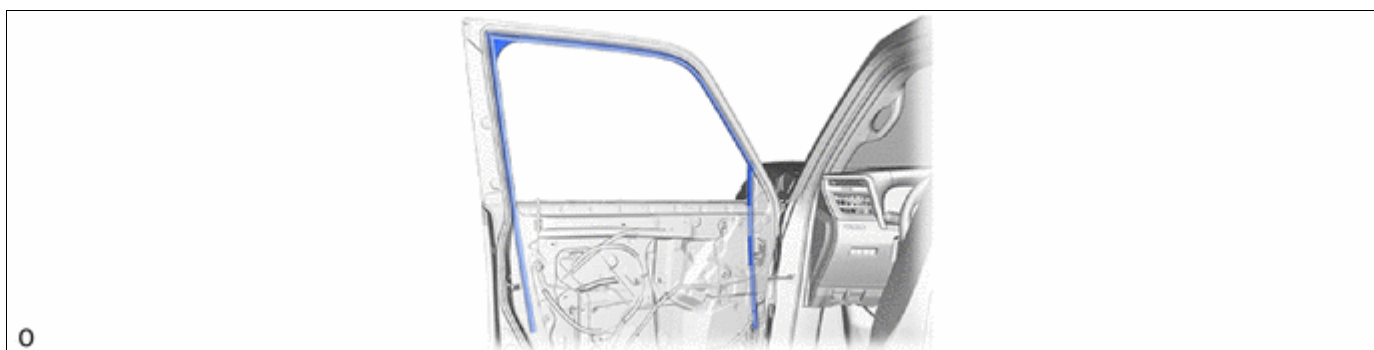
25. REMOVE FRONT DOOR WINDOW REGULATOR WITH MOTOR ASSEMBLY



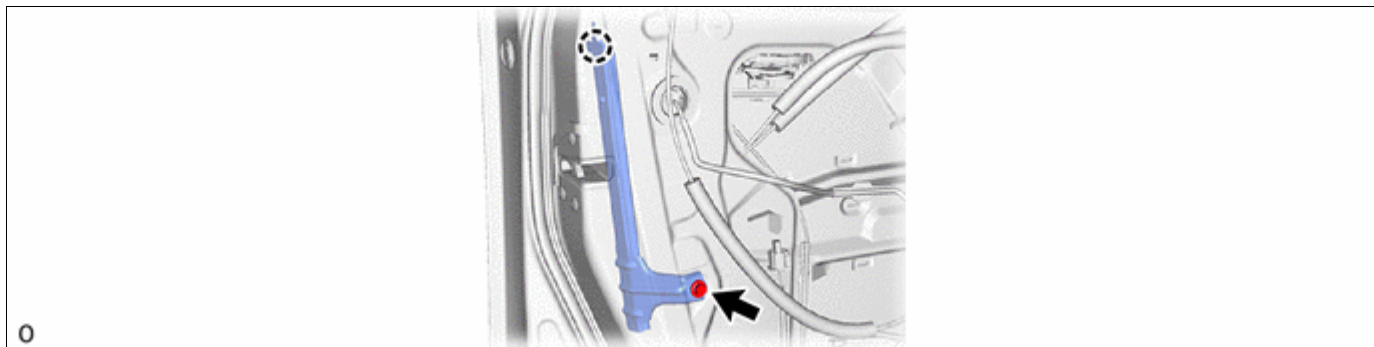
26. REMOVE DOOR FRAME GARNISH LH



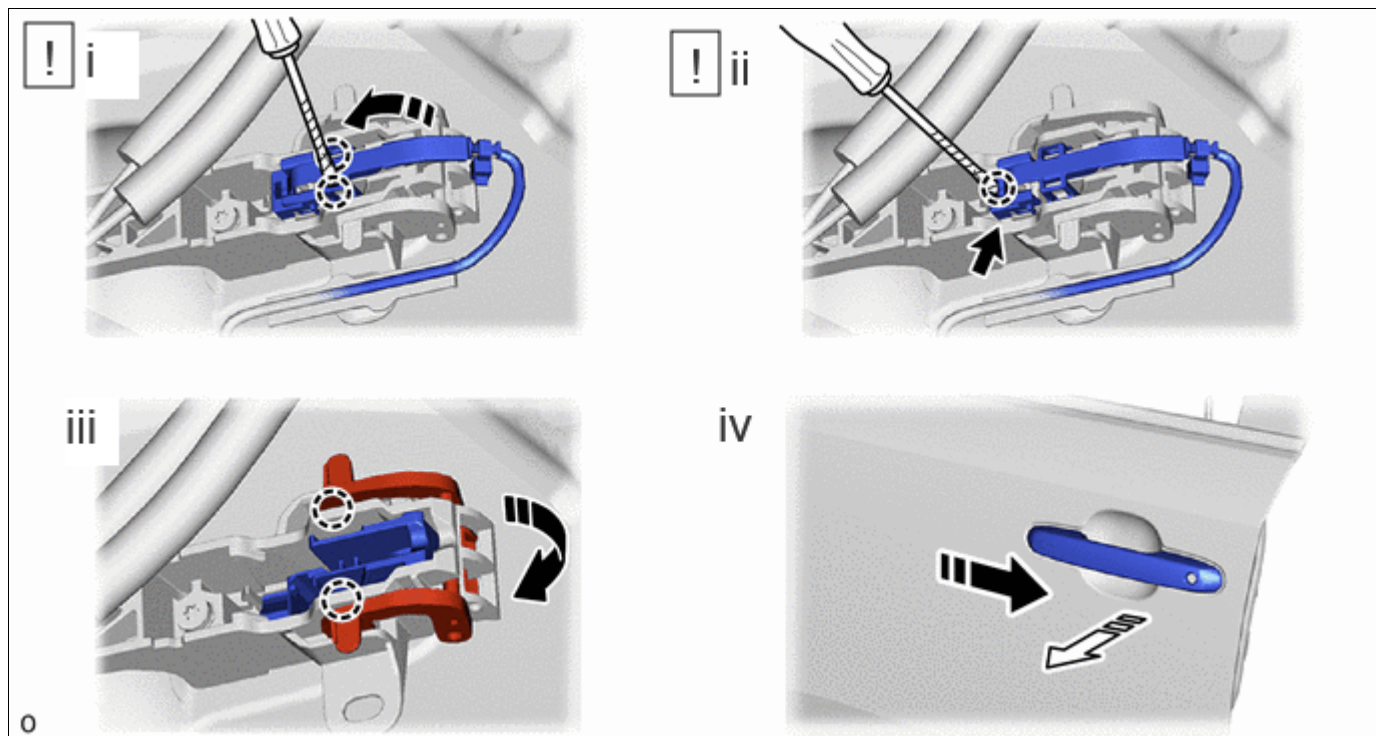
27. REMOVE FRONT DOOR GLASS RUN LH



28. REMOVE FRONT DOOR REAR LOWER FRAME SUB-ASSEMBLY LH



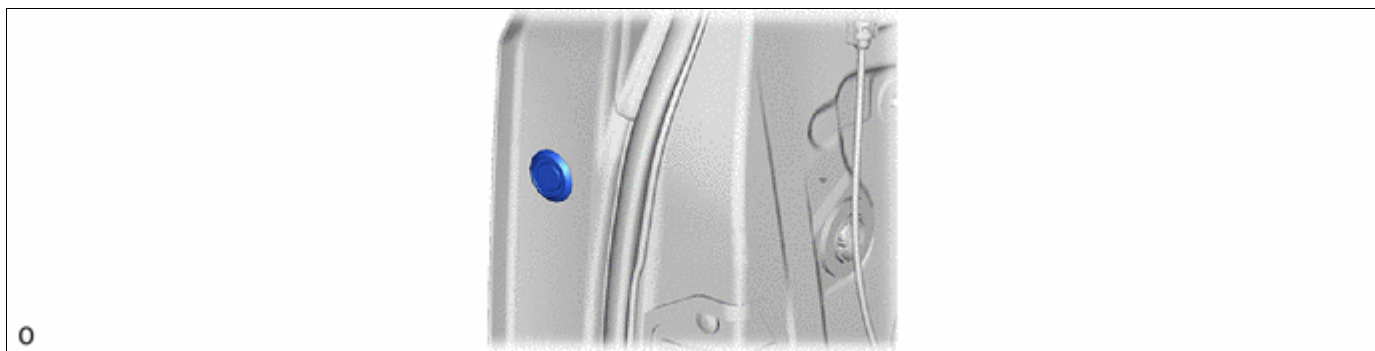
29. REMOVE FRONT DOOR OUTSIDE HANDLE ASSEMBLY LH



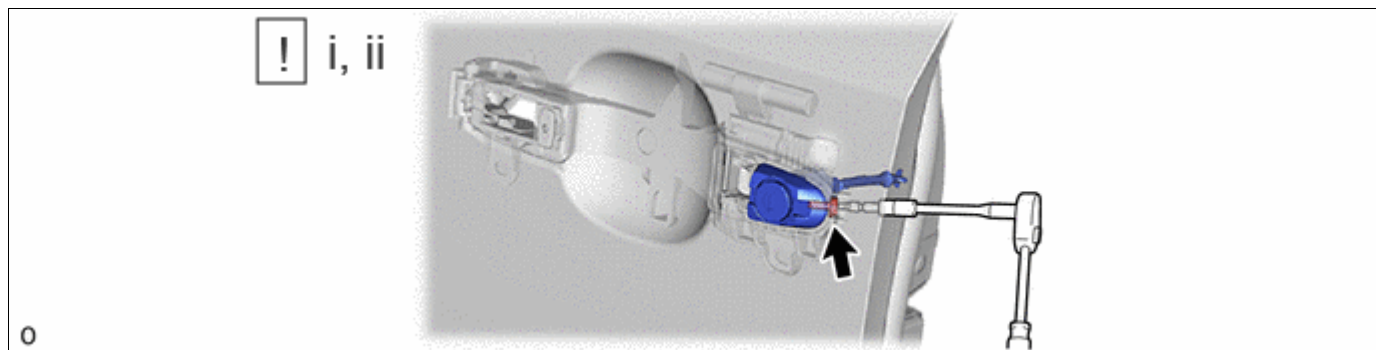
	Remove in this Direction (1)		Remove in this Direction (2)
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- (1) Using a screwdriver with its tip wrapped with protective tape, detach the claw and pull up the connector cover as shown in the illustration.
- (2) Using a screwdriver with its tip wrapped with protective tape, disconnect the connector.
- (3) Detach the claw and pull up the holder as shown in the illustration.
- (4) Remove the front door outside handle assembly LH as shown in the illustration.

30. REMOVE HOLE PLUG

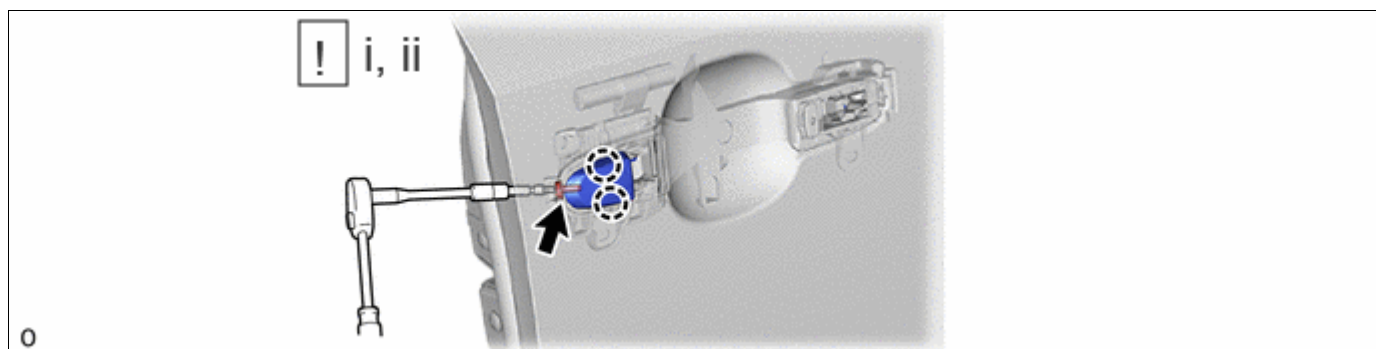


31. REMOVE FRONT DOOR LOCK CYLINDER ASSEMBLY (for Driver Side)



- (1) Using a T30 "TORX" socket wrench, loosen the "TORX" screw.
- (2) Remove the front door lock cylinder assembly.

32. REMOVE FRONT DOOR OUTSIDE HANDLE COVER (for Front Passenger Side)



- (1) Using a T30 "TORX" socket wrench, loosen the "TORX" screw.
- (2) Detach the claw and remove the front door outside handle cover.

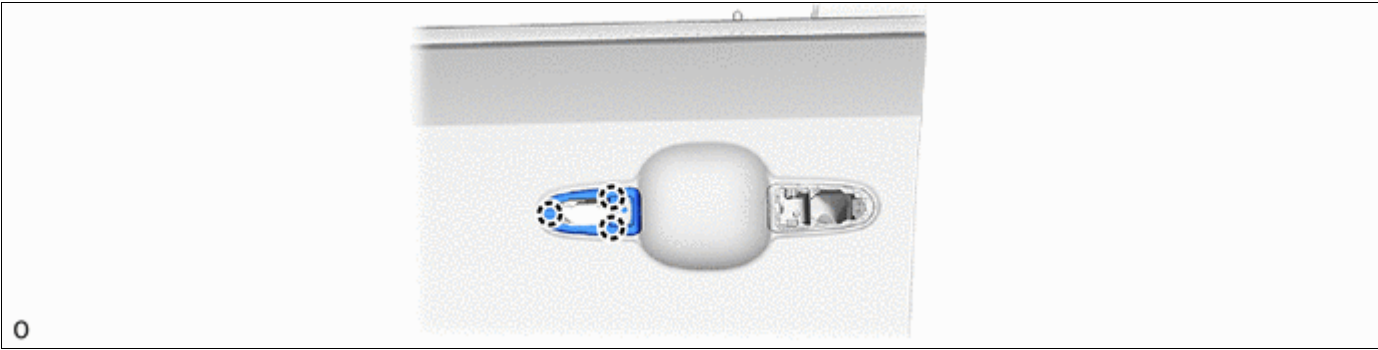
33. REMOVE FRONT DOOR LOCK WITH MOTOR ASSEMBLY LH

	Click here INFO
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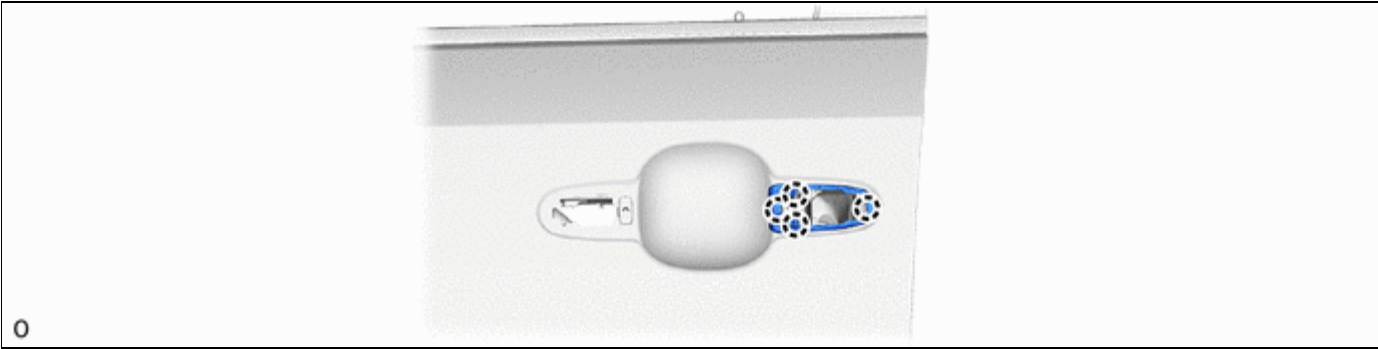
34. REMOVE DOOR LOCK WIRING HARNESS SEAL

	Click here INFO
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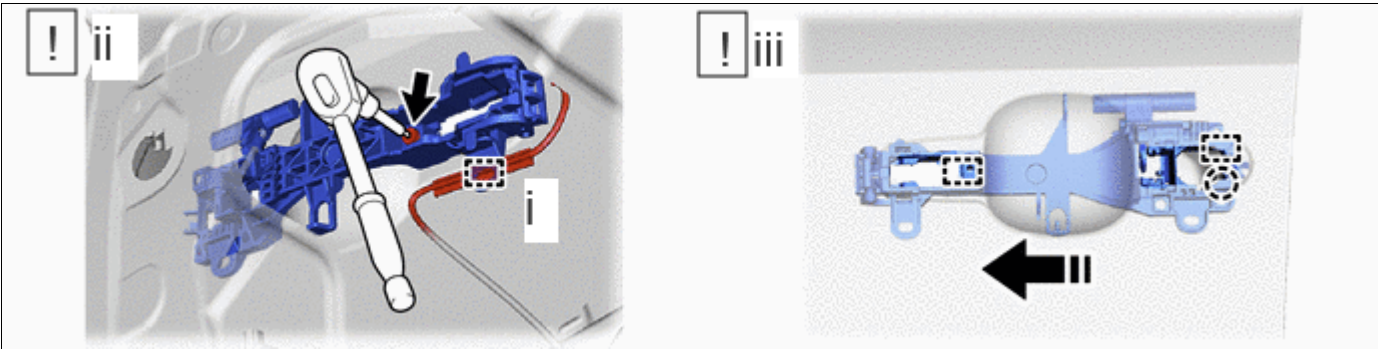
35. REMOVE FRONT DOOR FRONT OUTSIDE HANDLE PAD




36. REMOVE FRONT DOOR REAR OUTSIDE HANDLE PAD



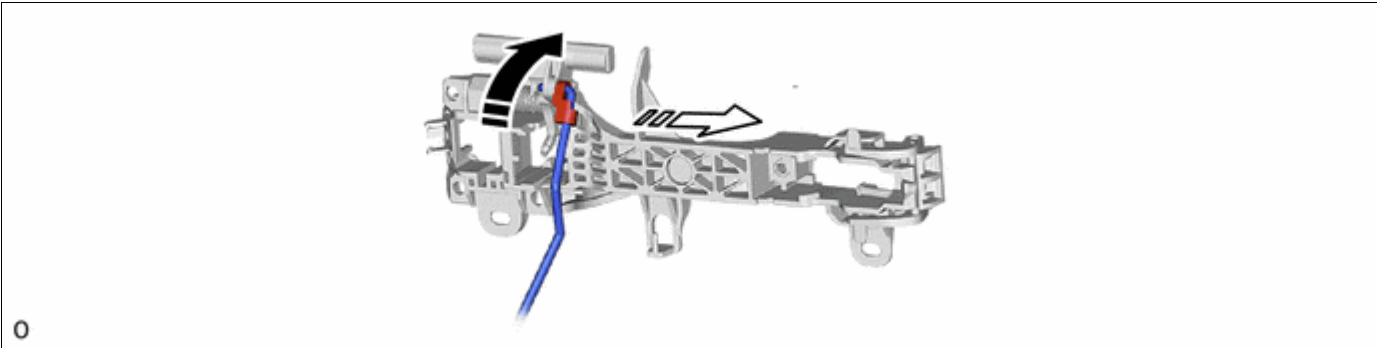
37. REMOVE FRONT DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY LH



	Remove in this Direction	-	-
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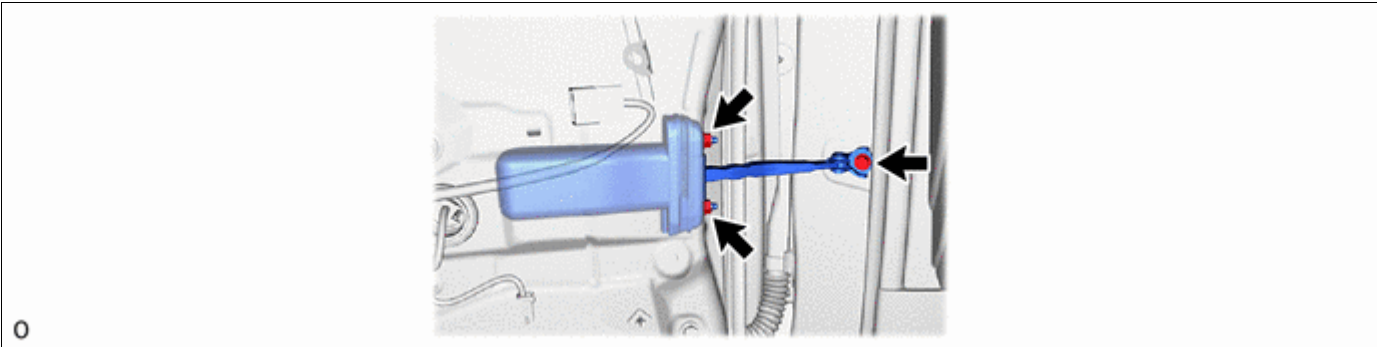
- (1) Detach the clamp.
- (2) Using a T30 "TORX" socket wrench, loosen the "TORX" screw.
- (3) Detach the claw and guide to remove the front door outside handle frame sub-assembly LH as shown in the illustration.

38. REMOVE FRONT DOOR LOCK OPEN ROD LH



	Remove in this Direction (1)		Remove in this Direction (2)
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39. REMOVE FRONT DOOR CHECK ASSEMBLY LH



40. REMOVE FRONT DOOR WEATHERSTRIP LH

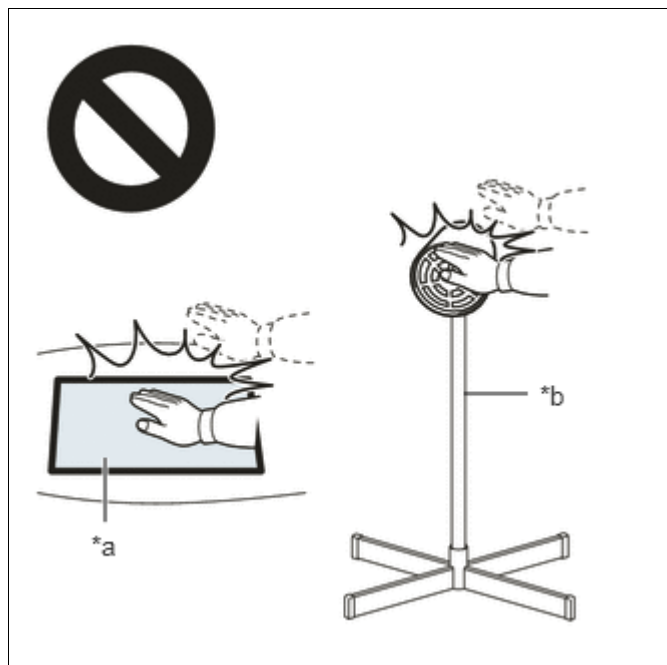
NOTICE:

When removing the front door weatherstrip LH, if the double-sided tape is difficult to remove, heat the adhesive of the front door weatherstrip LH using a heat light.

Standard Value

PART	TEMPERATURE
Front Door Weatherstrip LH	20 to 30 °C (68 to 86 °F)

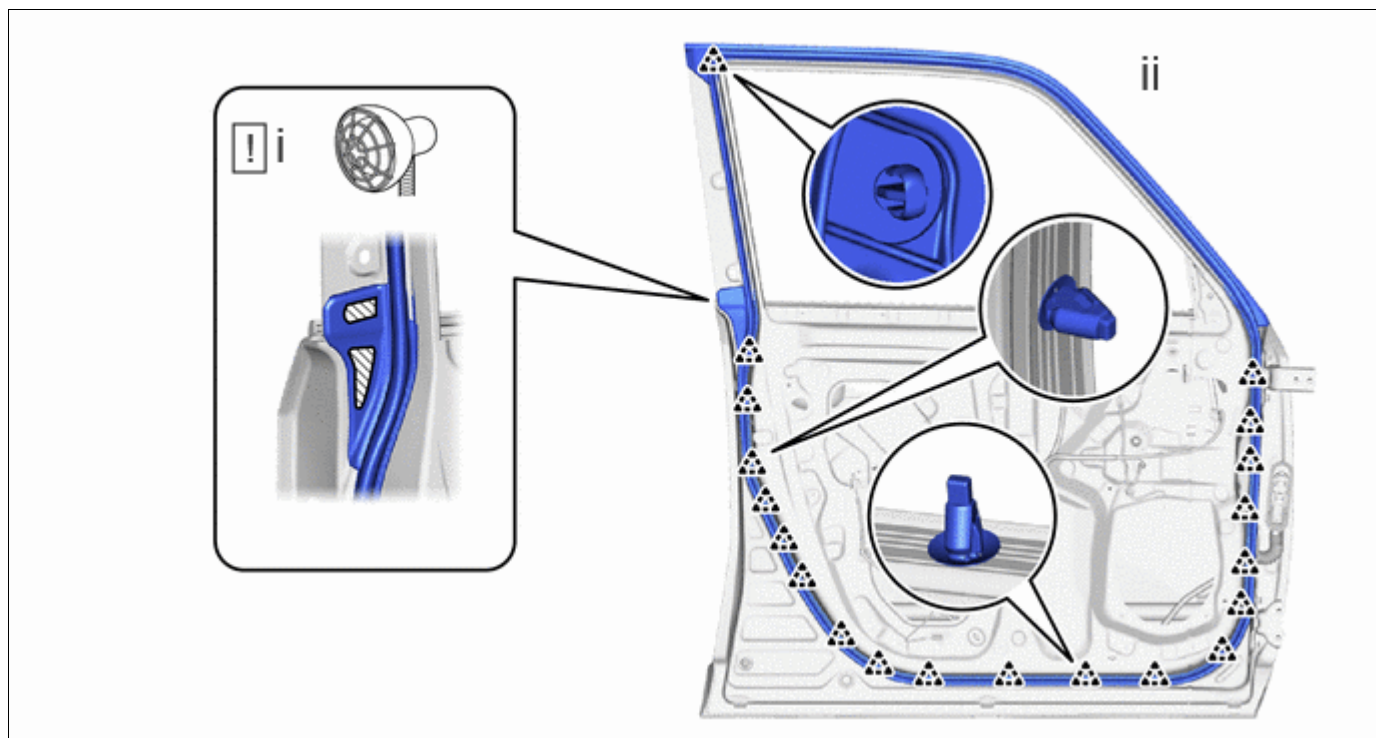
- CAUTION:**
- Do not touch the heat light and heated parts.
 - Touching the heat light may result in burns.
 - Touching heated parts for a long time may result in burns.



*a	Heated Part
*b	Heat Light

NOTICE:

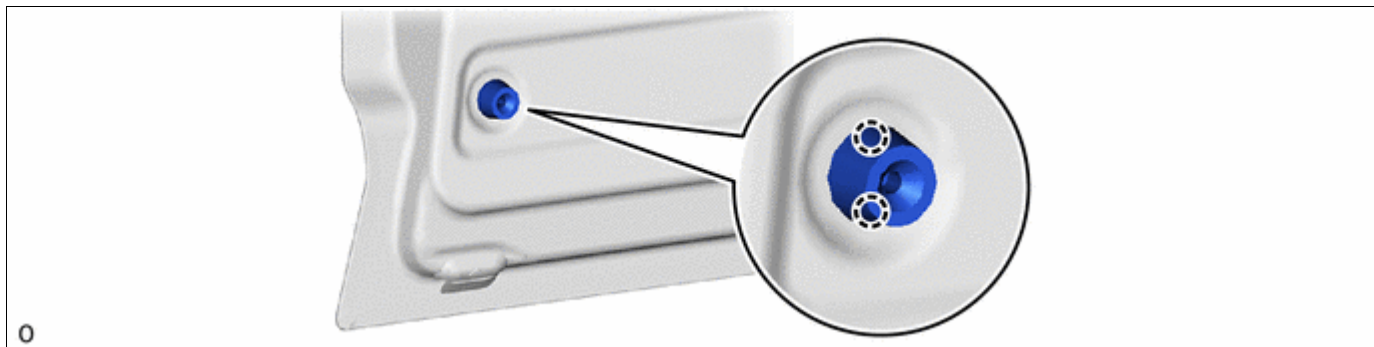
Do not heat the front door weatherstrip LH excessively.

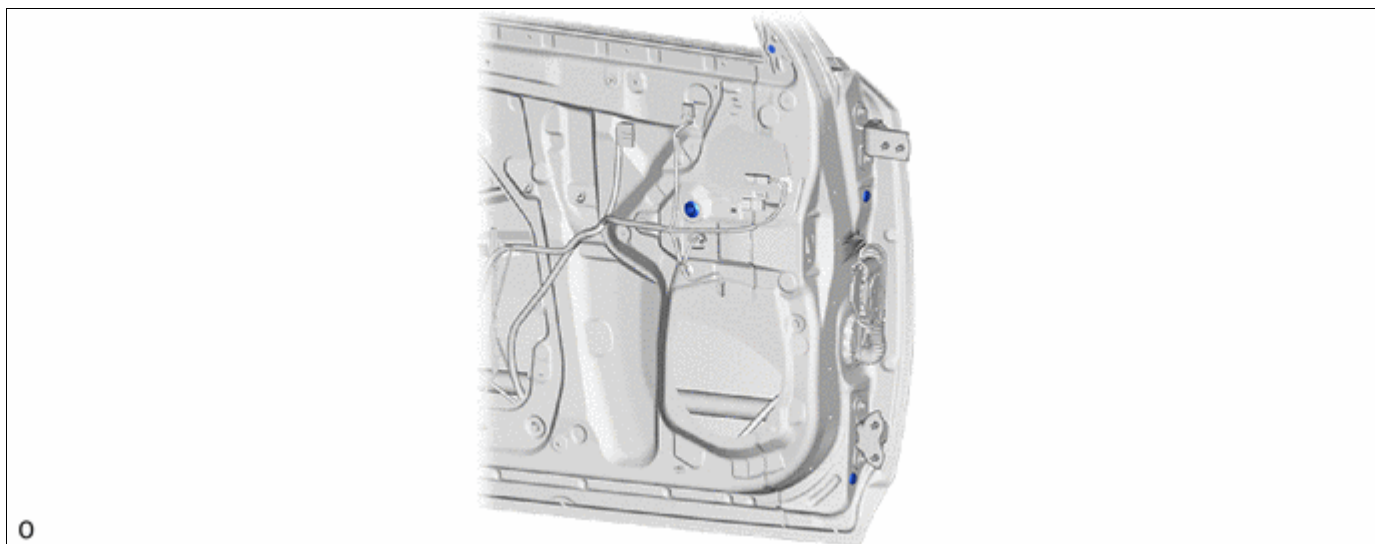


	Double-sided Tape	-	-
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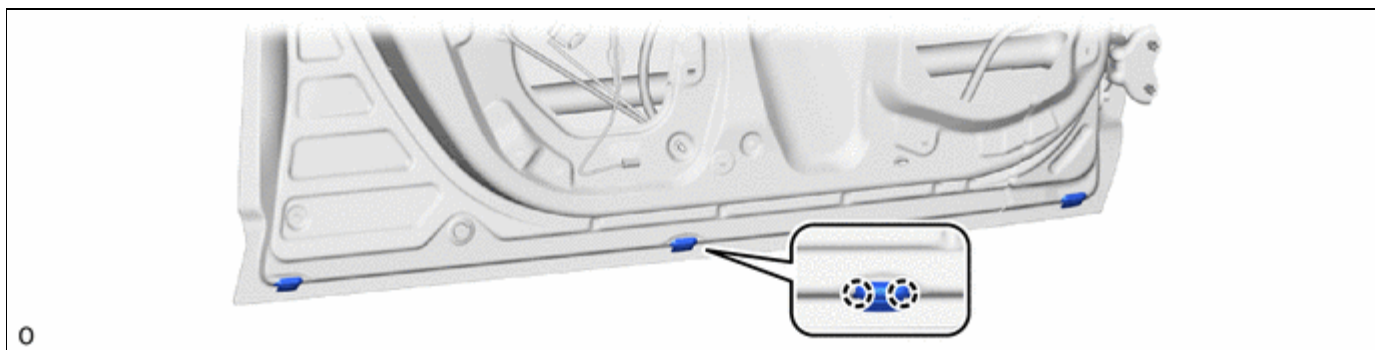
(1) Heat the adhesive of the front door weatherstrip LH using a heat light.

(2) Detach the double-sided tape and clip to remove the front door weatherstrip LH.

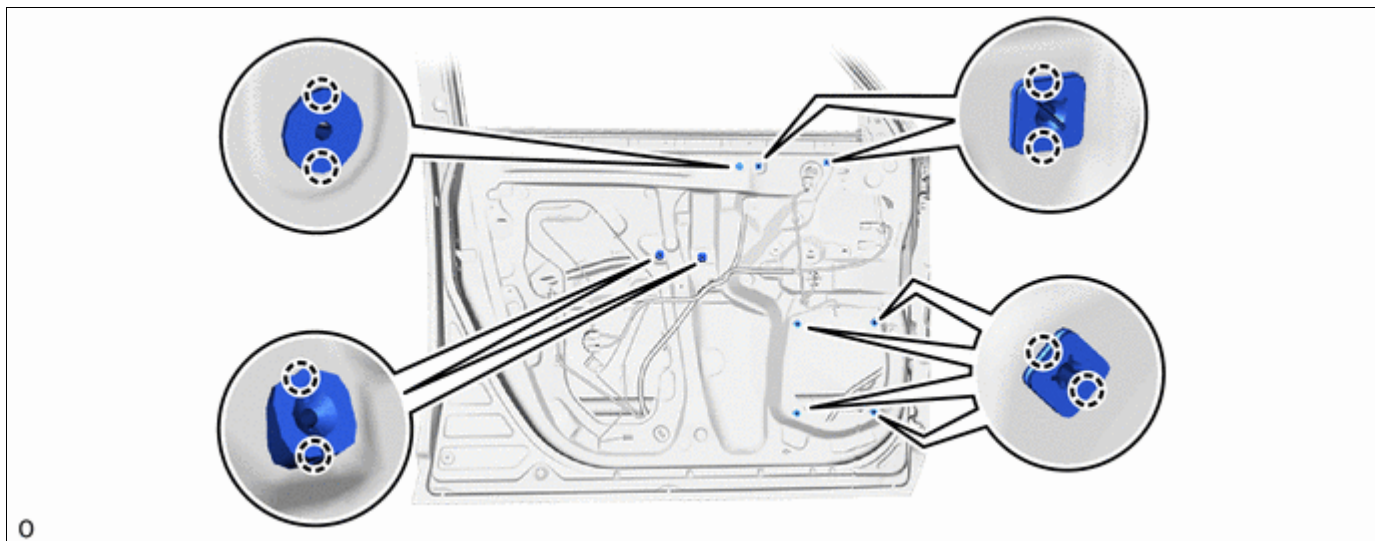
41. REMOVE FRONT DOOR FRONT LOWER FRAME UPPER COVER LHClick here [INFO](#)**42. REMOVE FRONT DOOR BELT MOULDING LH**Click here [INFO](#)**43. REMOVE FRONT DOOR WINDOW FRAME MOULDING LH(CENTER PILLAR SIDE)**Click here [INFO](#)**44. REMOVE FRONT DOOR LOWER OUTSIDE MOULDING SUB-ASSEMBLY LH**Click here [INFO](#)**45. REMOVE FRONT DOOR PANEL CUSHION****46. REMOVE HOLE PLUG**



47. REMOVE FRONT DOOR DUST PROOF SEAL



48. REMOVE SCREW GROMMET



49. REMOVE NO. 1 BLACK OUT TAPE LH



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