

| | | |
|---|----------------------------|--|
| Last Modified: 07-05-2024 | 6.11:8.1.0 | Doc ID: RM100000002JRWW |
| Model Year Start: 2024 | Model: Land Cruiser | Prod Date Range: [02/2024 -] |
| Title: INTERIOR PANELS / TRIM: INSTRUMENT PANEL SAFETY PAD: REMOVAL; 2024 MY Land Cruiser [02/2024 -] | | |

REMOVAL

CAUTION / NOTICE / HINT

The necessary procedures (adjustment, calibration, initialization or registration) that must be performed after parts are removed and installed, or replaced during instrument panel safety pad assembly removal/installation are shown below.

HINT:

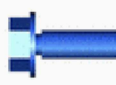
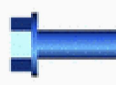

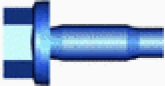
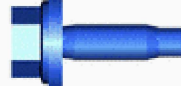
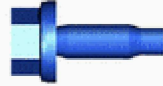

- When the cable is disconnected/reconnected to the auxiliary battery terminal, systems temporarily stop operating. However, each system has a function that completes learning the first time the system is used.
 - Learning completes when vehicle is driven

| 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 |

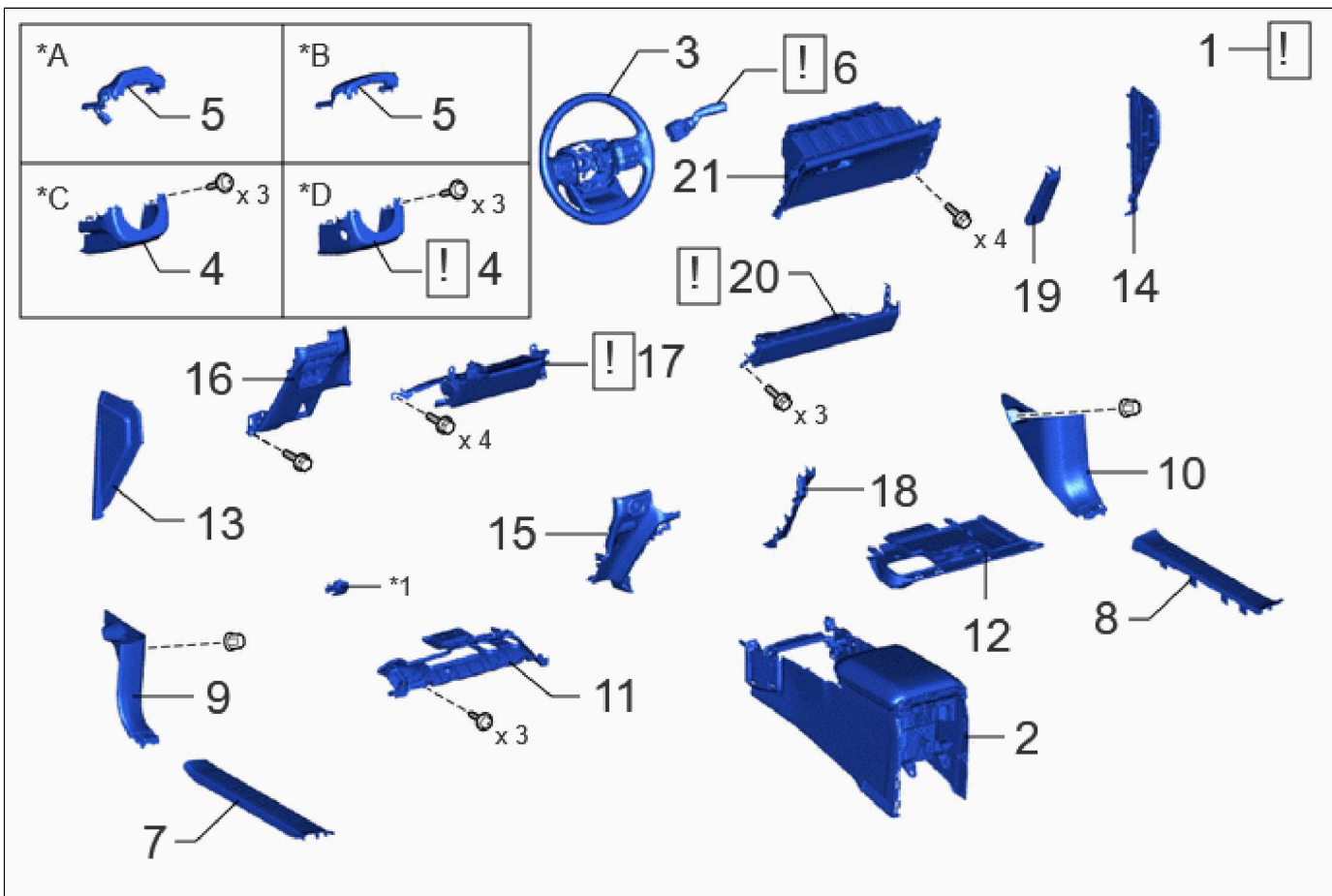
- All bolts, screws and nuts relevant to installing and removing the instrument panel are shown along with their alphabetical codes in the table.




| Code | Shape | Code | Shape | Code | Shape |
|------|--|------|--|------|--|
| <A> |  $\phi 5$ (0.197) L=15 (0.591) | |  $\phi 5$ (0.197) L=14 (0.551) | <C> |  $\phi 5$ (0.197) L=18 (0.709) |
| <D> |  $\phi 6$ (0.236) L=20 (0.787) | <E> |  $\phi 6$ (0.236) L=22 (0.866) | <F> |  $\phi 8$ (0.315) L=21 (0.827) |
| <G> |  $\phi 6$ (0.236) | | | | |

mm (in.) (L=Length)

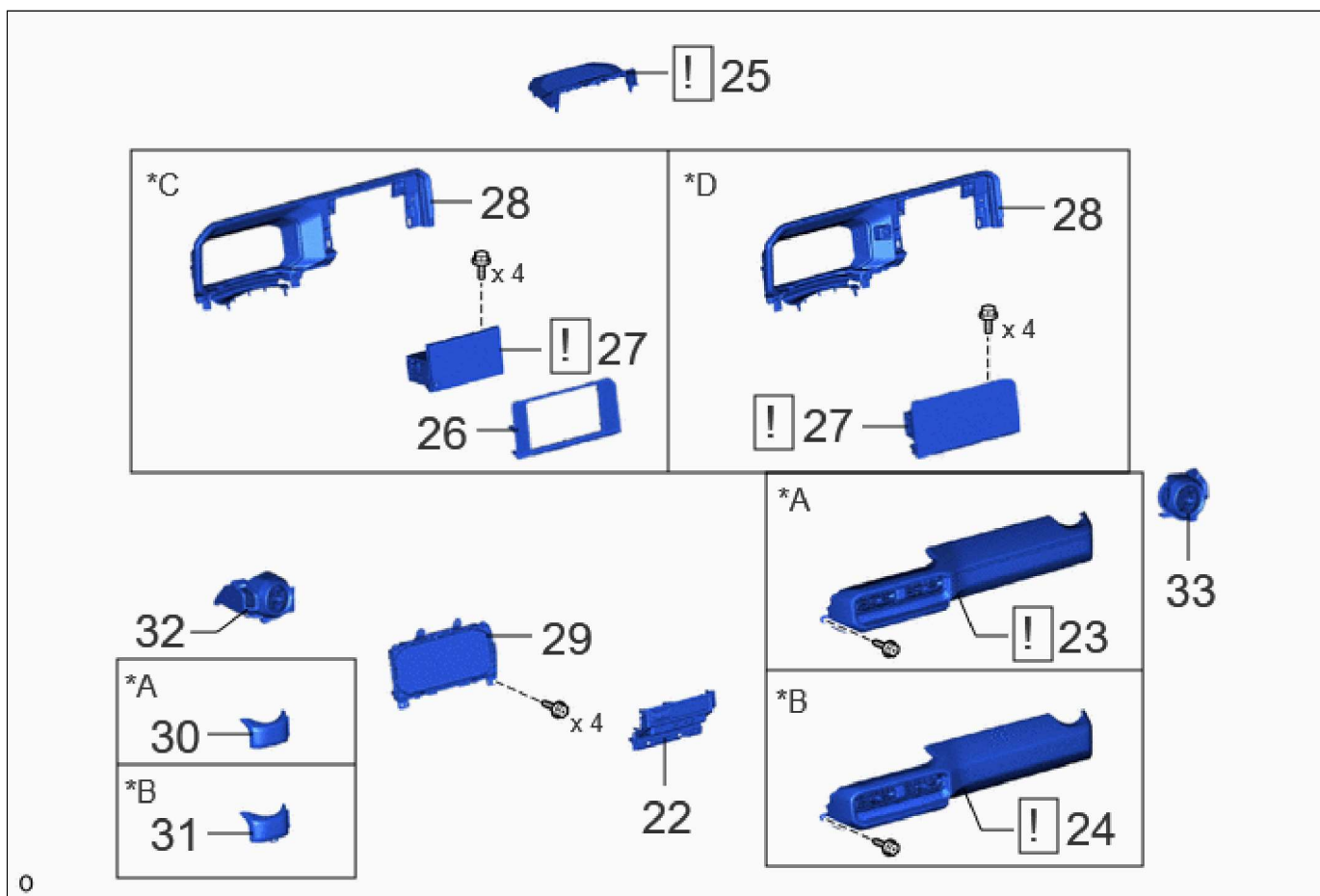
CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)



| PROCEDURE | | PART NAME CODE |  |  |  |
|-----------|--|----------------|---|---|---|
| 1 | PRECAUTION | - | INFO | - | - |
| 2 | FRONT CONSOLE BOX | - | - | - | - |
| 3 | STEERING WHEEL ASSEMBLY | 45100 | - | - | - |
| 4 | LOWER STEERING COLUMN COVER SUB-ASSEMBLY | 45024 | INFO | - | - |
| 5 | UPPER STEERING COLUMN COVER | 45286B | - | - | - |
| 6 | WINDSHIELD WIPER SWITCH ASSEMBLY | 84650 | INFO | - | - |
| 7 | FRONT DOOR SCUFF PLATE LH | 67914B | - | - | - |
| 8 | FRONT DOOR SCUFF PLATE RH | 67913B | - | - | - |
| 9 | COWL SIDE TRIM BOARD LH | 62112 | - | - | - |
| 10 | COWL SIDE TRIM BOARD RH | 62111C | - | - | - |
| 11 | NO. 1 INSTRUMENT PANEL UNDER COVER | 55641 | - | - | - |
| 12 | NO. 2 INSTRUMENT PANEL UNDER COVER | - | - | - | - |
| 13 | INSTRUMENT SIDE PANEL LH | 55318C | - | - | - |
| 14 | INSTRUMENT SIDE PANEL RH | 55317A | - | - | - |
| 15 | LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY | 55480D | - | - | - |
| 16 | LOWER INSTRUMENT PANEL FINISH PANEL SUB-ASSEMBLY | 55045 | - | - | - |
| 17 | LOWER NO. 1 INSTRUMENT PANEL AIRBAG ASSEMBLY | 73900 | INFO | - | - |
| 18 | LOWER INSTRUMENT PANEL LH | 55313 | - | - | - |
| 19 | LOWER INSTRUMENT PANEL RH | 55312B | - | - | - |
| 20 | LOWER NO. 2 INSTRUMENT PANEL AIRBAG ASSEMBLY | 73990 | INFO | - | - |
| 21 | GLOVE COMPARTMENT DOOR ASSEMBLY | 55550 | - | - | - |

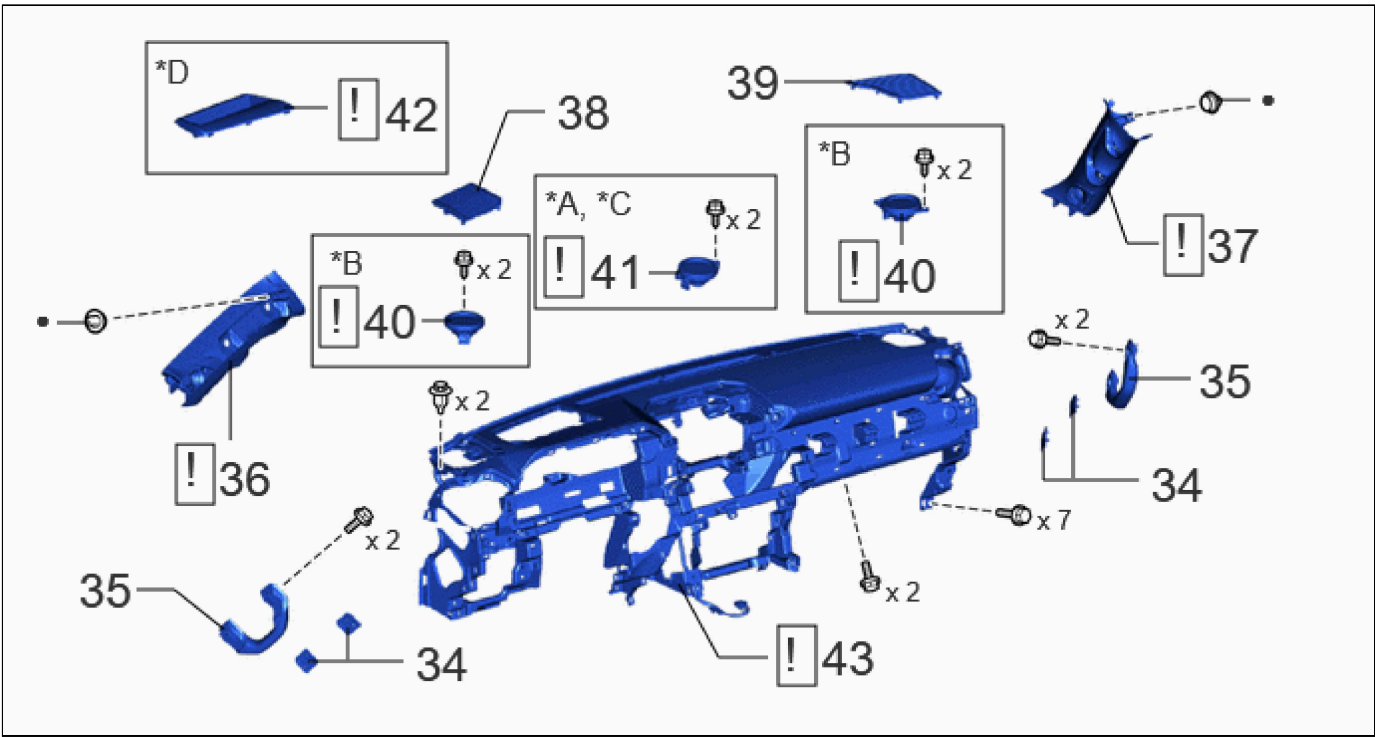
| | | | |
|----|---|----|---|
| *A | w/ Driver Monitor Camera | *B | w/o Driver Monitor Camera |
| *C | for Manual Tilt and Manual Telescopic Steering Column | *D | for Power Tilt and Power Telescopic Steering Column |
| *1 | HOOD LOCK CONTROL LEVER SUB-ASSEMBLY | - | - |






| PROCEDURE | | PART NAME CODE | ! | | |
|-----------|---|-------------------|------|---|---|
| 22 | CENTER INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY | 55405B | - | - | - |
| 23 | NO. 1 INSTRUMENT PANEL GARNISH SUB-ASSEMBLY | 55011A | INFO | - | - |
| 24 | INSTRUMENT PANEL ORNAMENT | 55461A | INFO | - | - |
| 25 | UPPER INSTRUMENT CLUSTER FINISH PANEL | 55421B | - | - | - |
| 26 | CENTER INSTRUMENT CLUSTER FINISH PANEL | 55412D | - | - | - |
| 27 | RADIO AND DISPLAY RECEIVER ASSEMBLY WITH BRACKET | - | INFO | - | - |
| 28 | CENTER INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY | 55420A | - | - | - |
| 29 | COMBINATION METER ASSEMBLY | 83100 | - | - | - |
| 30 | NO. 2 INSTRUMENT PANEL GARNISH SUB-ASSEMBLY | 55012A | - | - | - |
| 31 | INSTRUMENT CLUSTER FINISH PANEL ORNAMENT | 55471A | - | - | - |
| 32 | NO. 1 SIDE DEFROSTER NOZZLE | 55961B | - | - | - |
| 33 | NO. 2 SIDE DEFROSTER NOZZLE | 55962D | - | - | - |

| | | | |
|----|------------|----|------------|
| *A | for Type A | *B | for Type B |
|----|------------|----|------------|

| | | | |
|----|--------------------|----|-----------------------|
| *C | for 8 Inch Display | *D | for 12.3 Inch Display |
|----|--------------------|----|-----------------------|



| PROCEDURE | | PART NAME CODE |  |  |  |
|-----------|---|----------------|--|--|--|
| 34 | ASSIST GRIP PLUG | - | - | - | - |
| 35 | PILLAR ASSIST GRIP ASSEMBLY | 74680 | - | - | - |
| 36 | FRONT PILLAR GARNISH ASSEMBLY LH | 62212B | INFO | - | - |
| 37 | FRONT PILLAR GARNISH ASSEMBLY RH | 62211U | INFO | - | - |
| 38 | NO. 1 INSTRUMENT PANEL SPEAKER PANEL SUB-ASSEMBLY | 55408F | - | - | - |
| 39 | NO. 2 INSTRUMENT PANEL SPEAKER PANEL SUB-ASSEMBLY | 55409F | - | - | - |
| 40 | FRONT NO. 2 SPEAKER ASSEMBLY | 86160P | INFO | - | - |
| 41 | FRONT NO. 3 SPEAKER ASSEMBLY | 86160J | INFO | - | - |
| 42 | INSTRUMENT CLUSTER FINISH PANEL END | 55414A | INFO | - | - |
| 43 | INSTRUMENT PANEL SAFETY PAD ASSEMBLY | - | INFO | - | - |

| | | | |
|----|-------------------|----|-------------------|
| *A | except 6 Speakers | *B | for Side |
| *C | for Center | *D | w/ Headup Display |
| • | Non-reusable part | - | - |

PROCEDURE

1. PRECAUTION

CAUTION:

Be sure to read precaution thoroughly before servicing.

Click here [INFO](#)



NOTICE:

After turning the ignition switch off, waiting time may be required before disconnecting the cable from the negative (-) auxiliary battery terminal.

Click here [INFO](#)

2. REMOVE FRONT CONSOLE BOX

(a) w/ Cool Box:

Click here [INFO](#)

(b) w/o Cool Box:

Click here [INFO](#)

3. REMOVE STEERING WHEEL ASSEMBLY

Click here [INFO](#)

4. REMOVE LOWER STEERING COLUMN COVER SUB-ASSEMBLY



Click here [INFO](#)

5. REMOVE UPPER STEERING COLUMN COVER

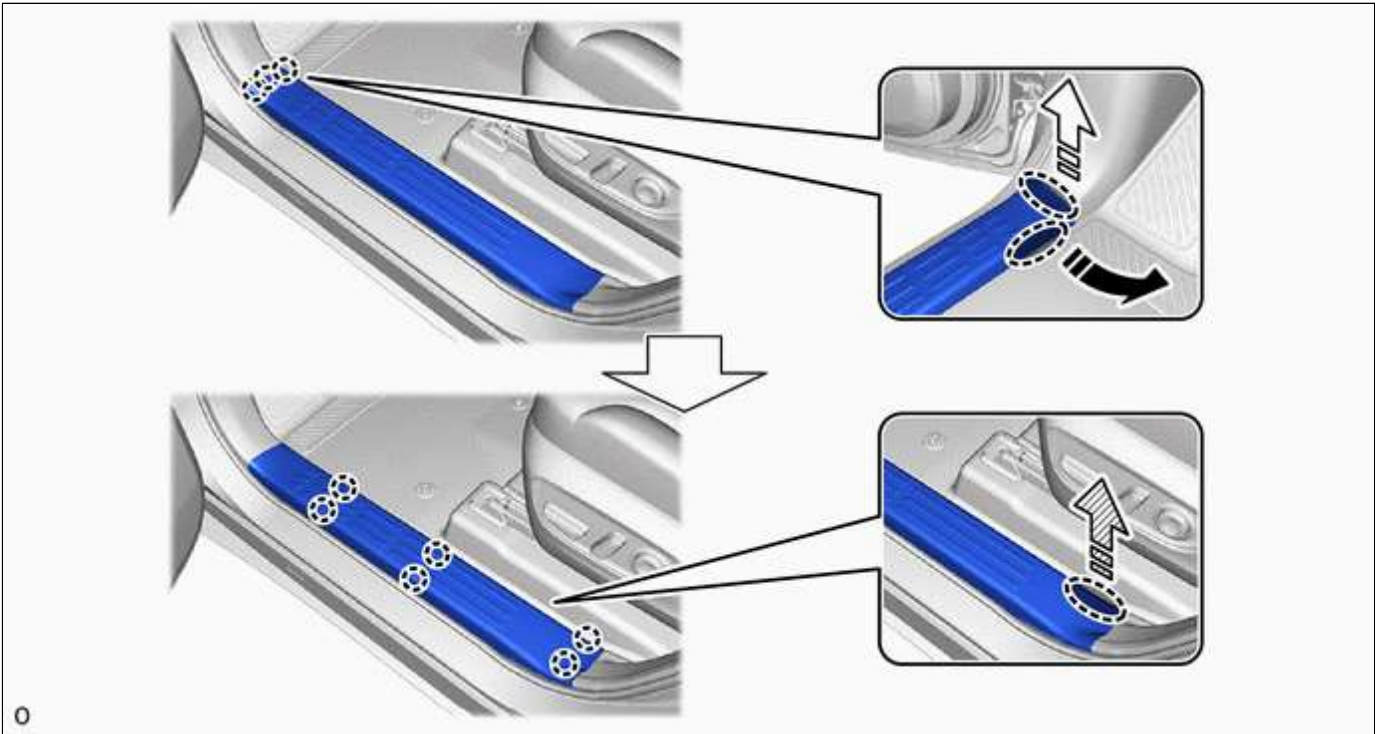
Click here [INFO](#)

6. REMOVE WINDSHIELD WIPER SWITCH ASSEMBLY



Click here [INFO](#)

7. REMOVE FRONT DOOR SCUFF PLATE LH

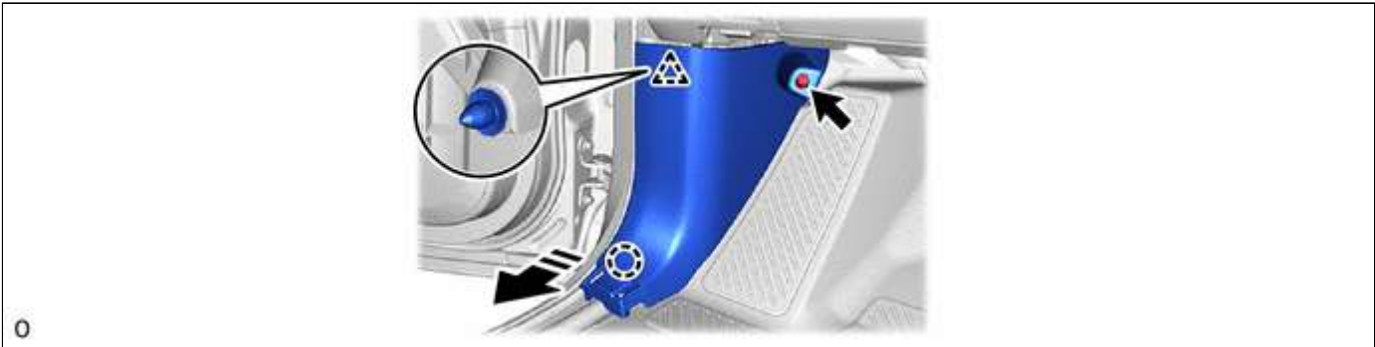


| | | | |
|--|------------------------------|--|------------------------------|
| | Place Hand Here | | Remove in this Direction (1) |
| | Remove in this Direction (2) | | Remove in this Direction (3) |

8. REMOVE FRONT DOOR SCUFF PLATE RH

(a) Use the same procedure described for the LH side.

9. REMOVE COWL SIDE TRIM BOARD LH

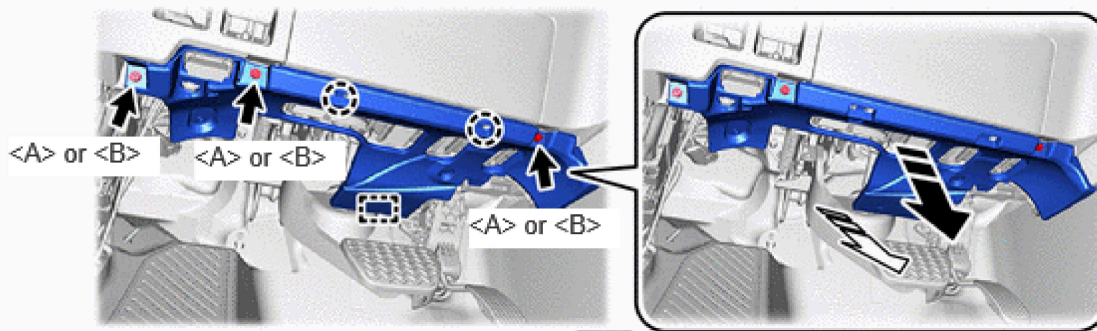


| | | | |
|--|--------------------------|---|---|
| | Remove in this Direction | - | - |
|--|--------------------------|---|---|

10. REMOVE COWL SIDE TRIM BOARD RH

(a) Use the same procedure described for the LH side.

11. REMOVE NO. 1 INSTRUMENT PANEL UNDER COVER



0

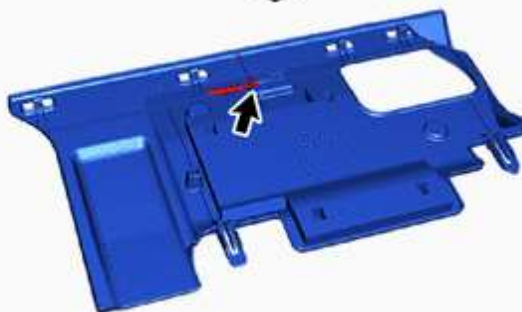


Remove in this Direction (1)



Remove in this Direction (2)

12. REMOVE NO. 2 INSTRUMENT PANEL UNDER COVER



0

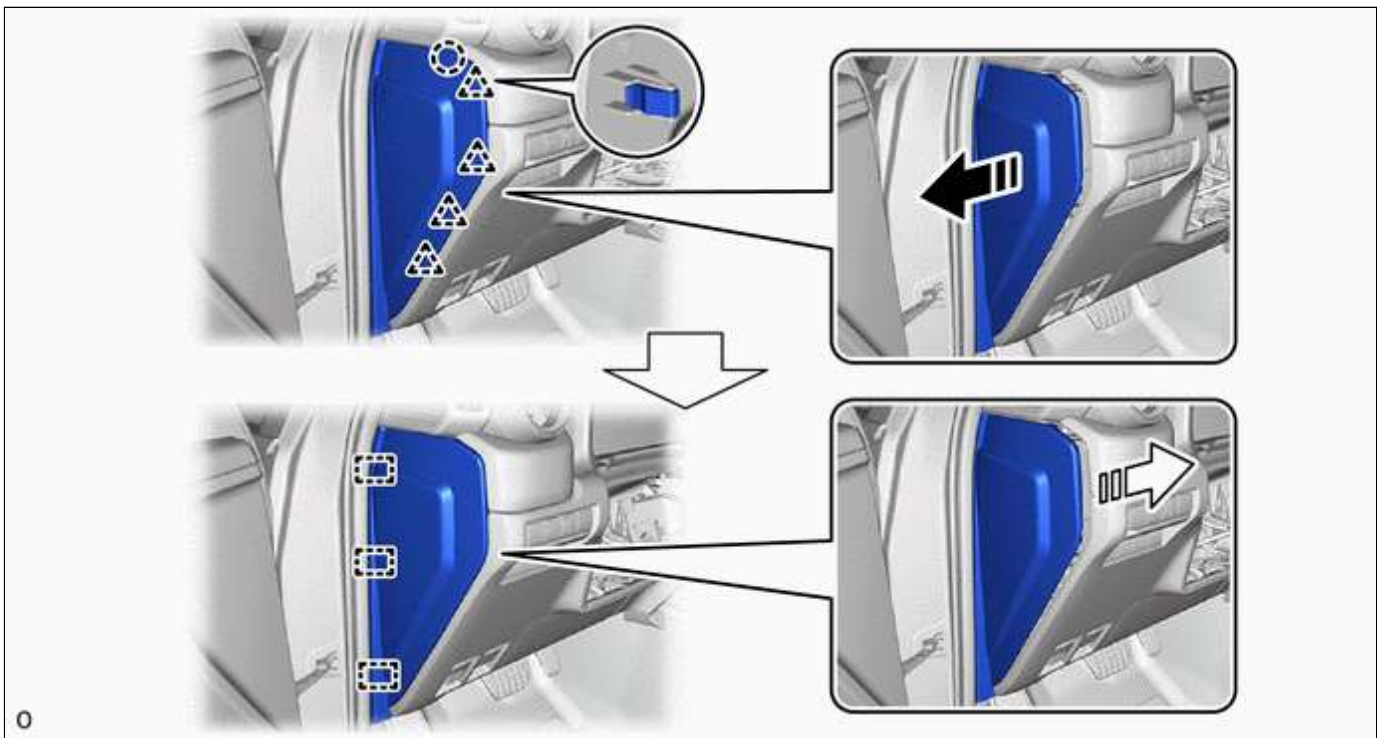




Remove in this Direction (1)



Remove in this Direction (2)

13. REMOVE INSTRUMENT SIDE PANEL LH

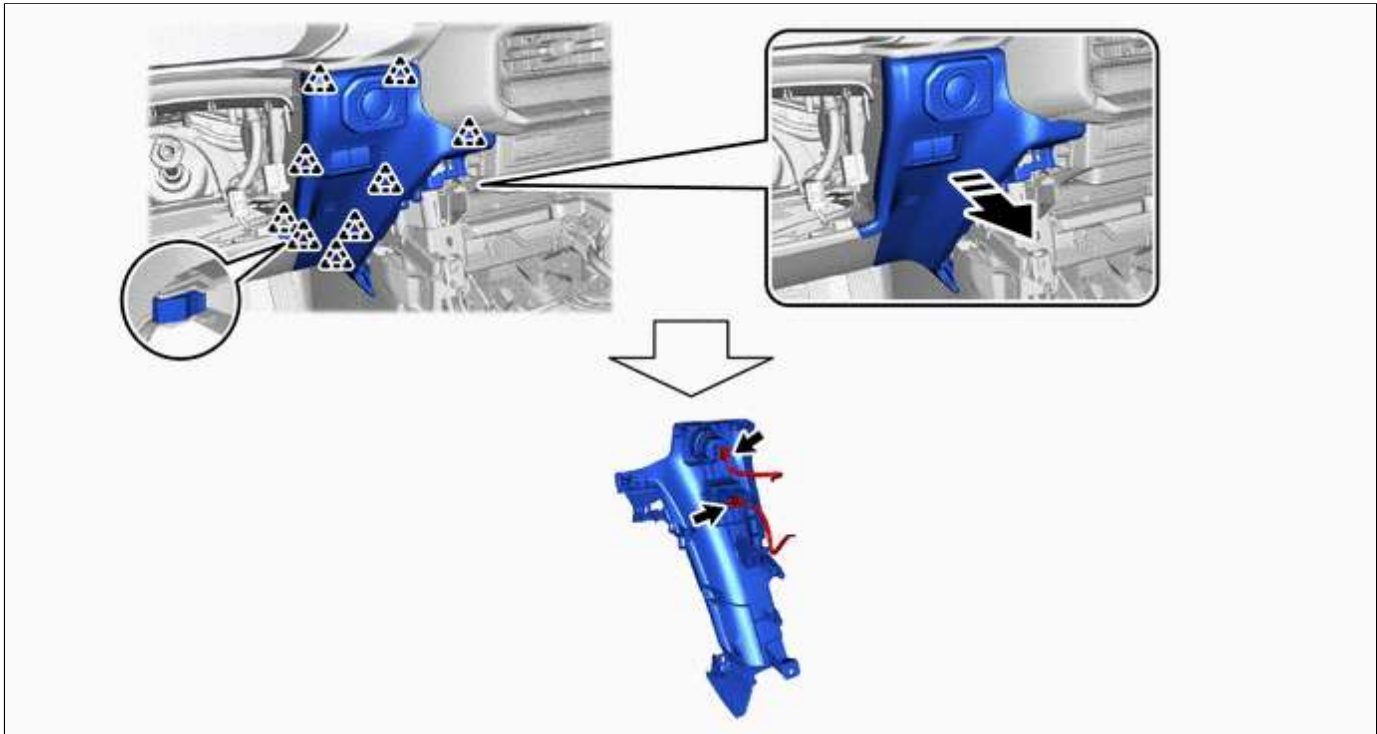



| | | | |
|---|------------------------------|---|------------------------------|
|  | Remove in this Direction (1) |  | Remove in this Direction (2) |
|---|------------------------------|---|------------------------------|

14. REMOVE INSTRUMENT SIDE PANEL RH

(a) Use the same procedure described for the LH Side.

15. REMOVE LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY

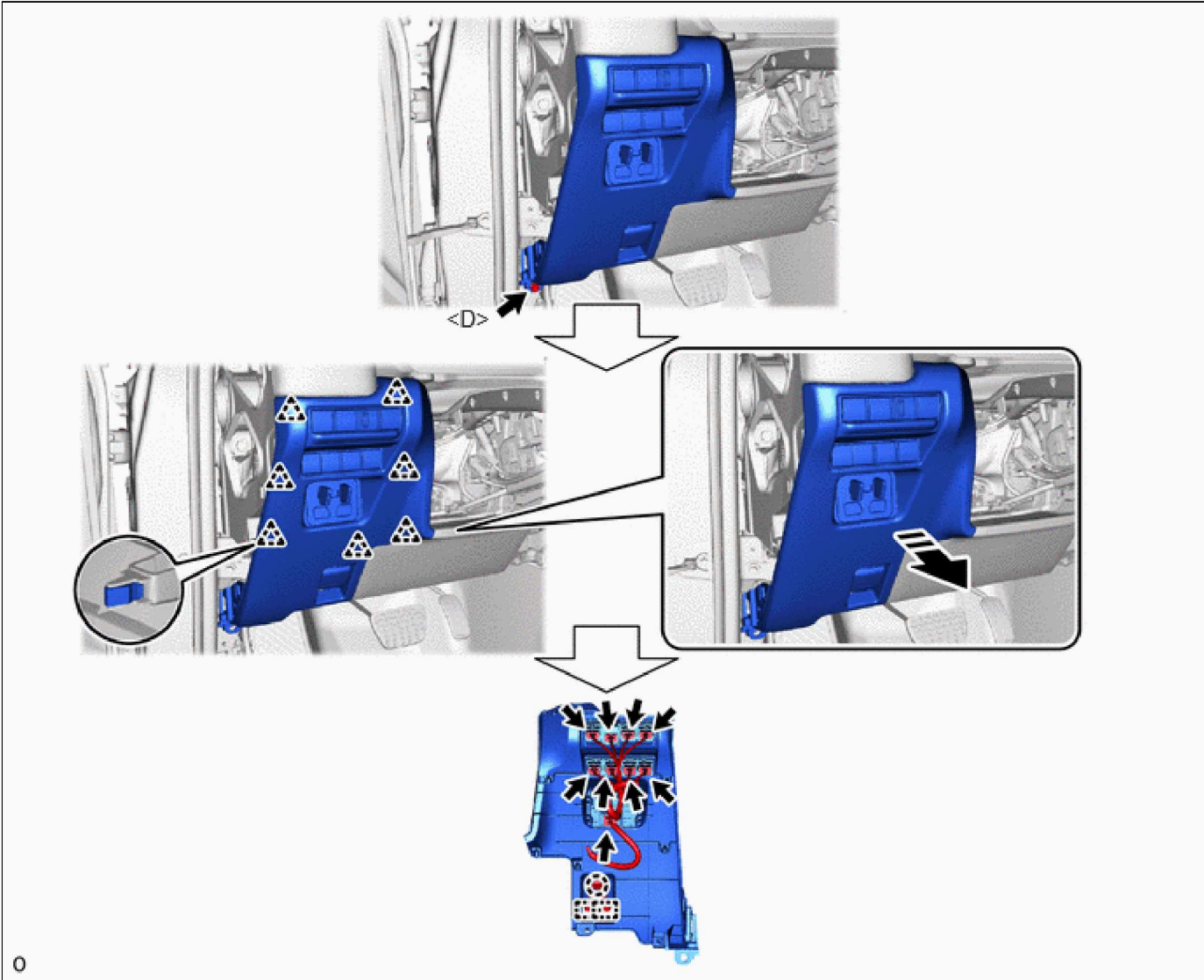



| | | | |
|---|--------------------------|---|---|
|  | Remove in this Direction | - | - |
|---|--------------------------|---|---|

16. REMOVE LOWER INSTRUMENT PANEL FINISH PANEL SUB-ASSEMBLY

HINT:

The illustrations are representative examples, and details may differ.

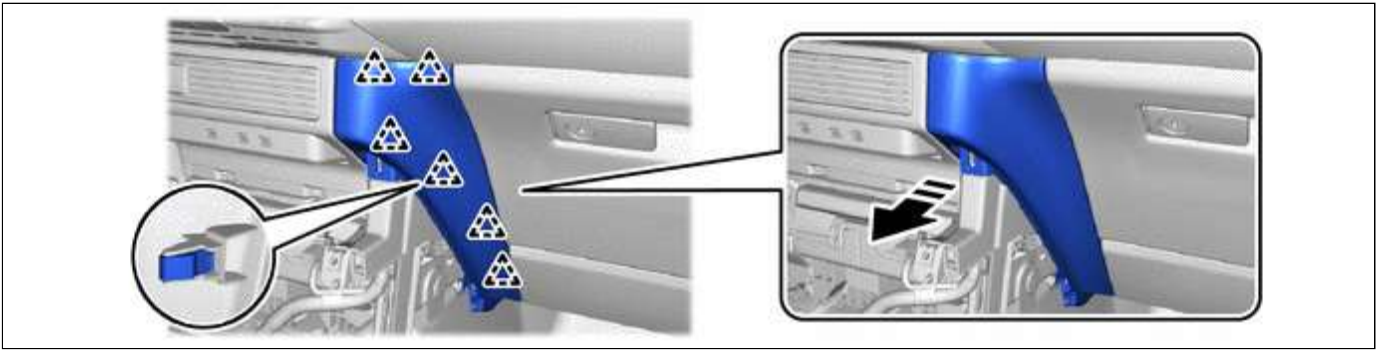



| | | | |
|---|--------------------------|---|---|
|  | Remove in this Direction | - | - |
|---|--------------------------|---|---|

17. REMOVE LOWER NO. 1 INSTRUMENT PANEL AIRBAG ASSEMBLY

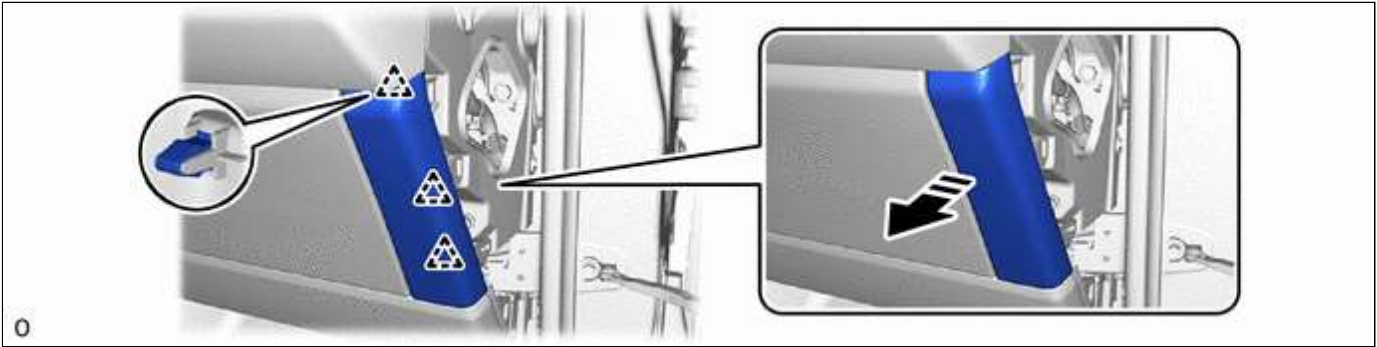
| | |
|---|---------------------------------|
|  | Click here INFO |
|---|---------------------------------|


18. REMOVE LOWER INSTRUMENT PANEL LH



| | | | |
|---|--------------------------|---|---|
|  | Remove in this Direction | - | - |
|---|--------------------------|---|---|

19. REMOVE LOWER INSTRUMENT PANEL RH

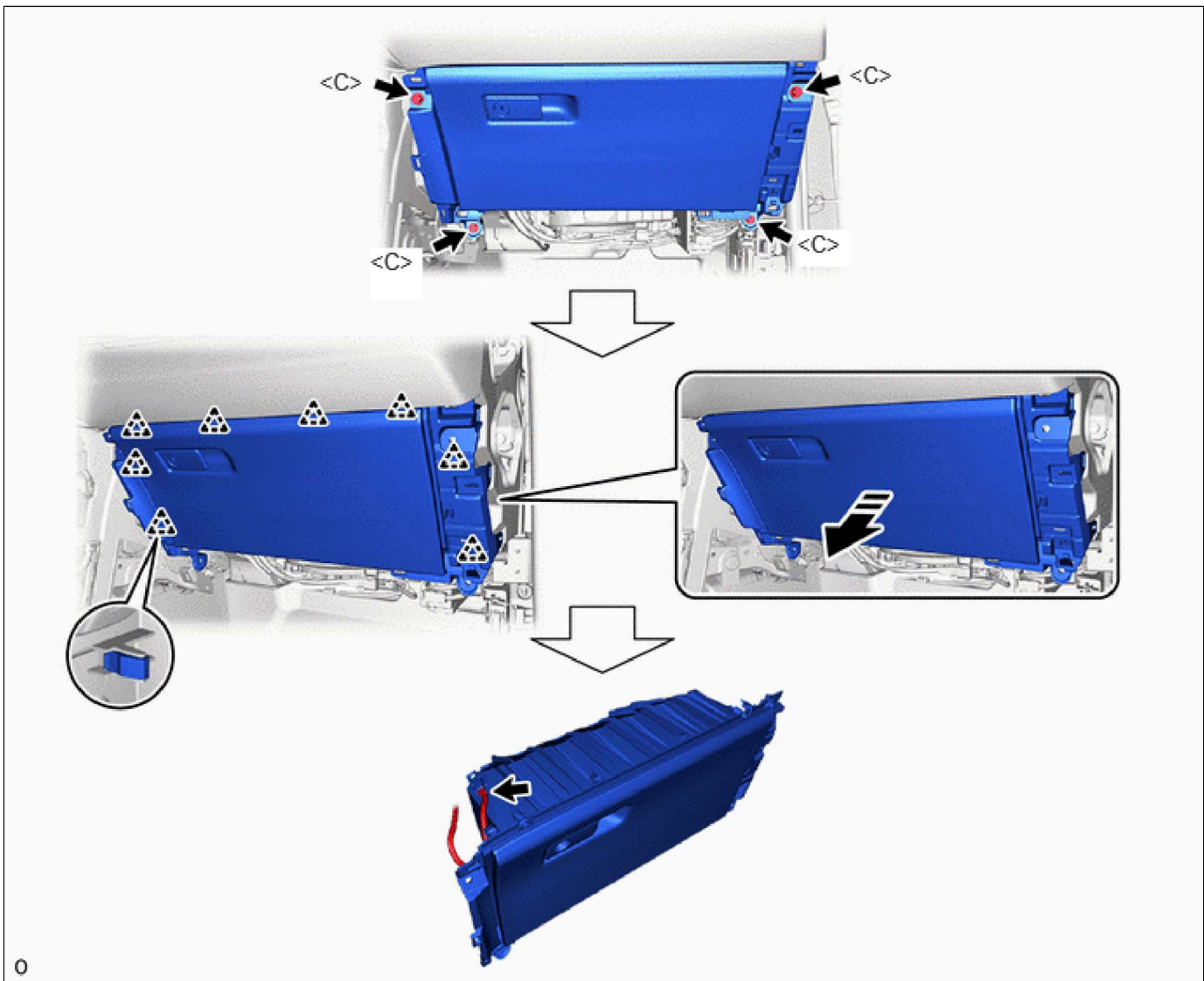


| | | | |
|---|--------------------------|---|---|
|  | Remove in this Direction | - | - |
|---|--------------------------|---|---|


20. REMOVE LOWER NO. 2 INSTRUMENT PANEL AIRBAG ASSEMBLY

| | |
|---|--------------------------------|
|  | Click here WFO |
|---|--------------------------------|

21. REMOVE GLOVE COMPARTMENT DOOR ASSEMBLY



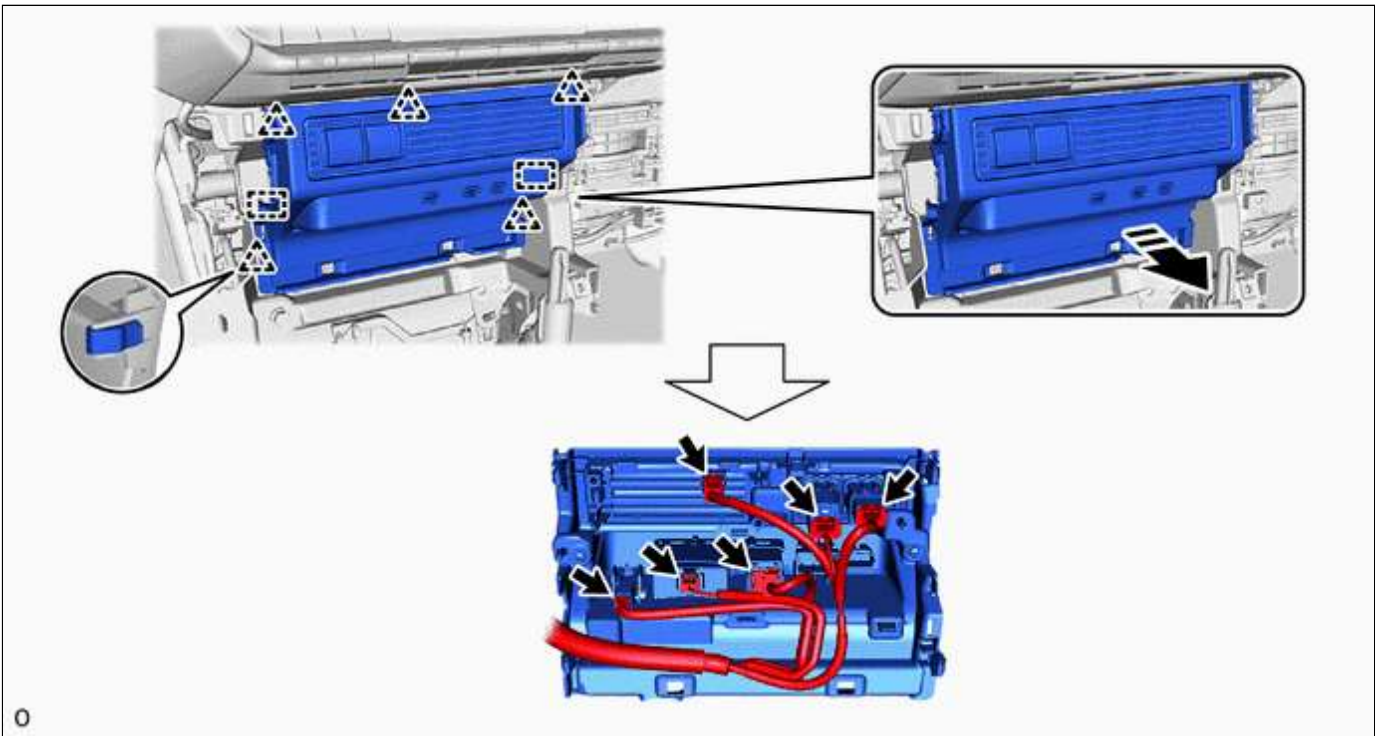
0


| | | | |
|---|--------------------------|---|---|
|  | Remove in this Direction | - | - |
|---|--------------------------|---|---|

22. REMOVE CENTER INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY

HINT:

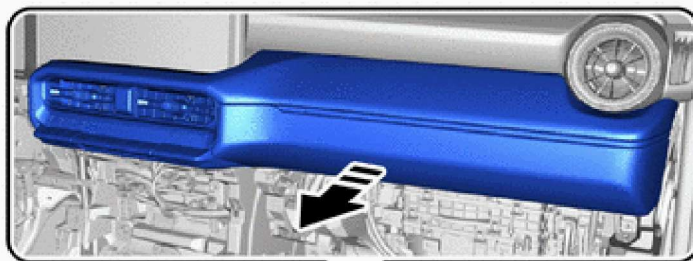
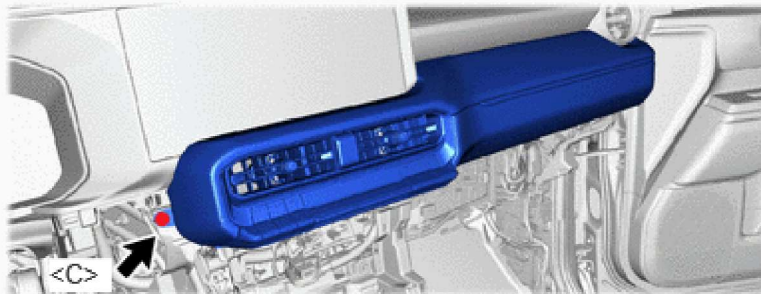
The illustrations are representative examples, and details may differ.



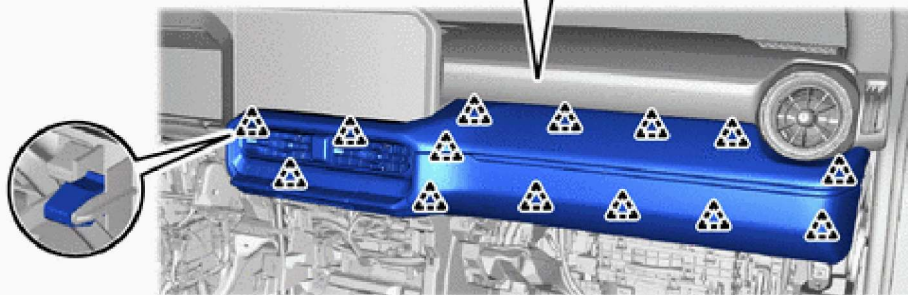
| | | | |
|---|--------------------------|---|---|
|  | Remove in this Direction | - | - |
|---|--------------------------|---|---|

23. REMOVE NO. 1 INSTRUMENT PANEL GARNISH SUB-ASSEMBLY (for Type A)

i



ii



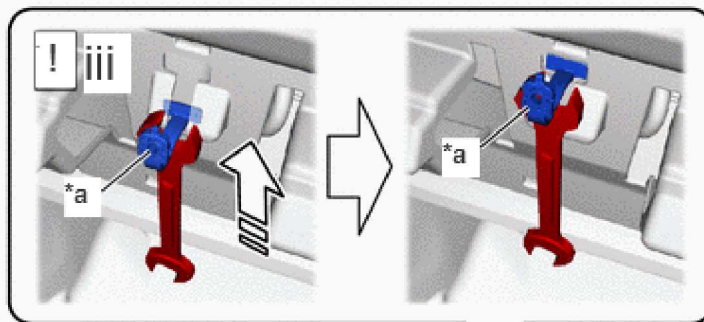
Remove in this Direction

-

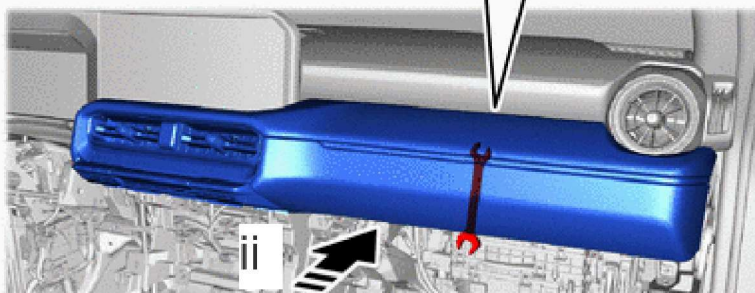
-

(1) Remove the screw <C>.

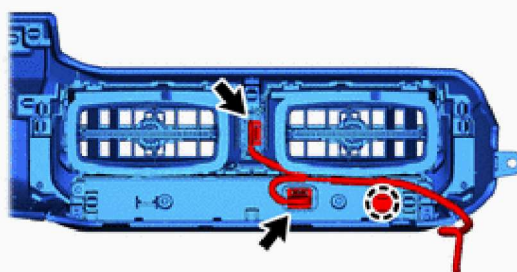
(2) Detach the clip as shown in the illustration.



! i



iv



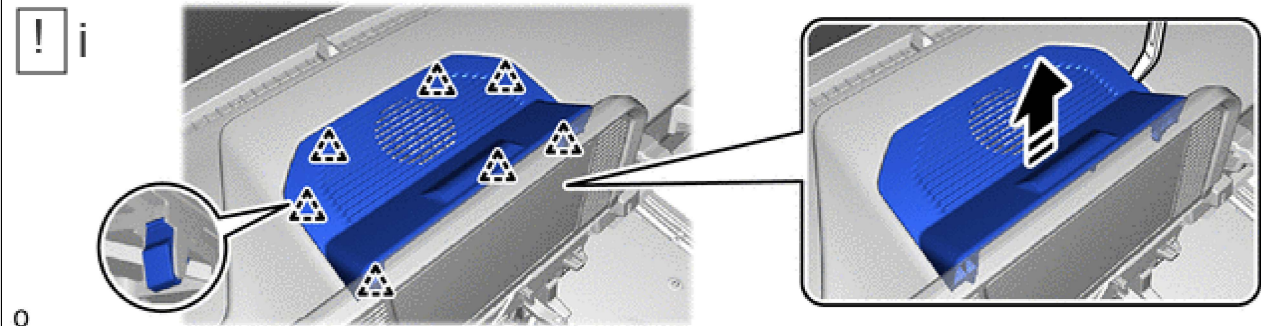
| | | | |
|----|------------------------------|---|------------------------------|
| *a | Tether Clip | - | - |
| | Remove in this Direction (1) | | Remove in this Direction (2) |

- (1) Insert the 12 mm spanner to the tether clip as shown in the illustration.
- (2) With the 12 mm spanner inserted, move the No. 1 instrument panel garnish sub-assembly as shown in the illustration to create a gap between the tether clip and the instrument panel.
- (3) Move the tether clip as shown in the illustration to align the hole, remove the No. 1 instrument panel garnish sub-assembly.
- (4) Detach the claw and disconnect the 2 connectors.

24. REMOVE INSTRUMENT PANEL ORNAMENT (for Type B)

- (a) Use the same procedure described for the No. 1 instrument panel garnish sub-assembly.

25. REMOVE UPPER INSTRUMENT CLUSTER FINISH PANEL



0



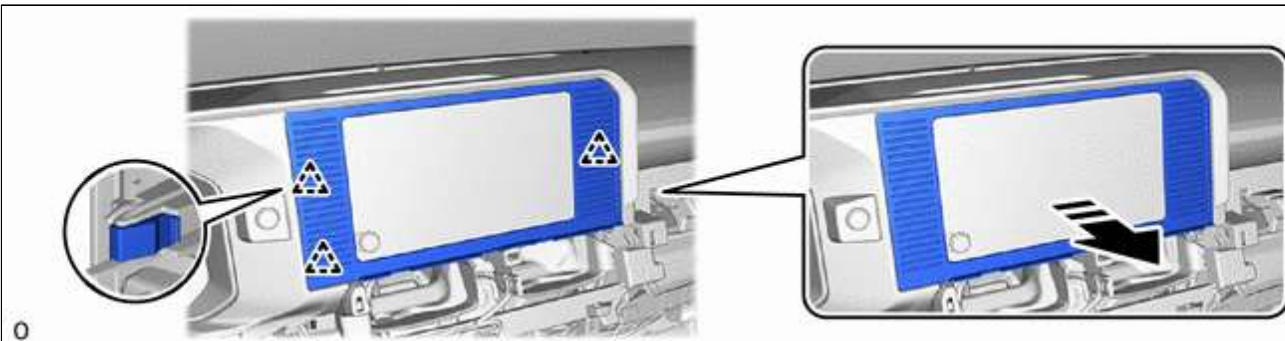
Remove in this Direction

-

-

(1) Using moulding remover A, detach the clip and remove the upper instrument cluster finish panel as shown in the illustration.

26. REMOVE CENTER INSTRUMENT CLUSTER FINISH PANEL (for 8 Inch Display)



0



Remove in this Direction

-

-

27. REMOVE RADIO AND DISPLAY RECEIVER ASSEMBLY WITH BRACKET




Click here [INFO](#)

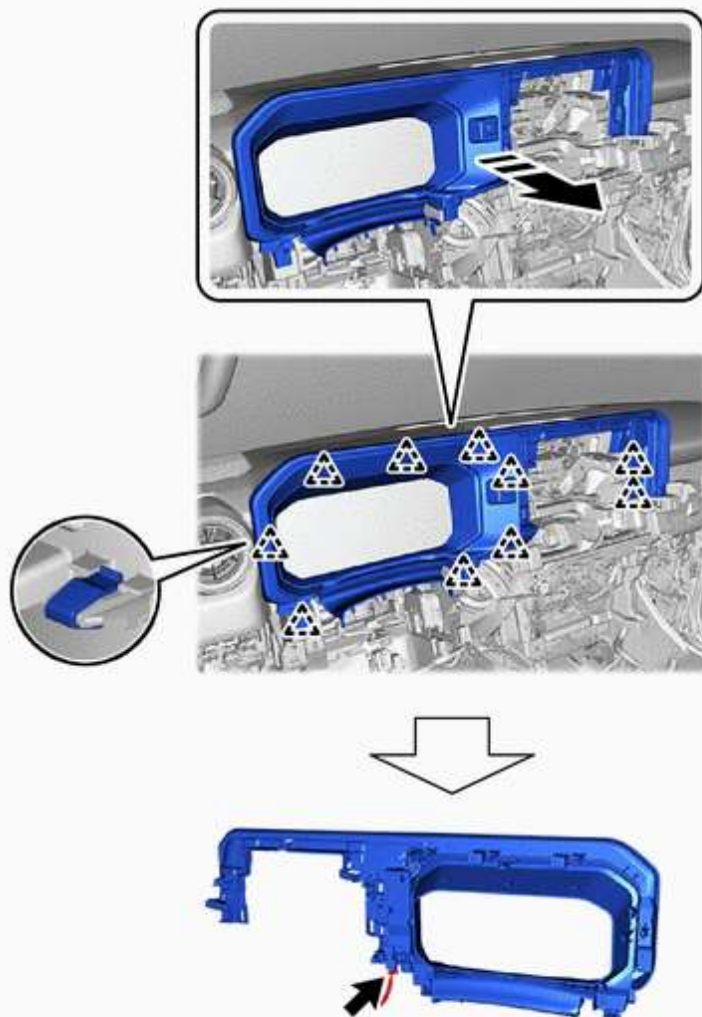
28. REMOVE CENTER INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY

(a) for 8 Inch Display:



| | | | |
|---|--------------------------|---|---|
|  | Remove in this Direction | - | - |
|---|--------------------------|---|---|

(b) for 12.3 Inch Display:



0



Remove in this Direction

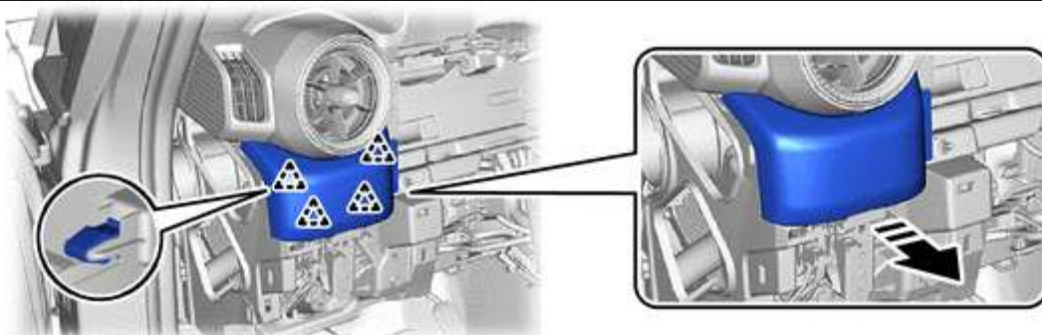
-

-


29. REMOVE COMBINATION METER ASSEMBLY

Click here [INFO](#)

30. REMOVE NO. 2 INSTRUMENT PANEL GARNISH SUB-ASSEMBLY (for Type A)



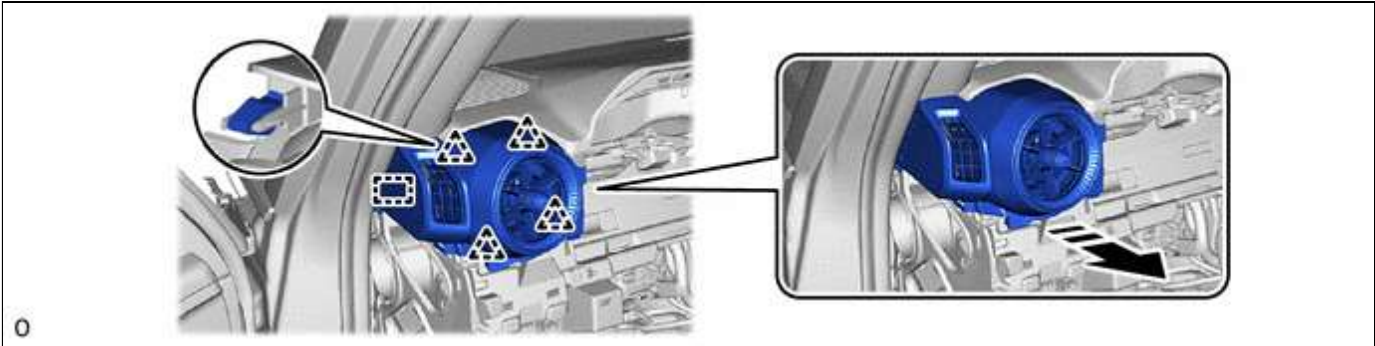
0

| | | | |
|---|--------------------------|---|---|
|  | Remove in this Direction | - | - |
|---|--------------------------|---|---|


31. REMOVE INSTRUMENT CLUSTER FINISH PANEL ORNAMENT (for Type B)

(a) Use the same procedure described for the No. 2 instrument panel garnish sub-assembly.

32. REMOVE NO. 1 SIDE DEFROSTER NOZZLE



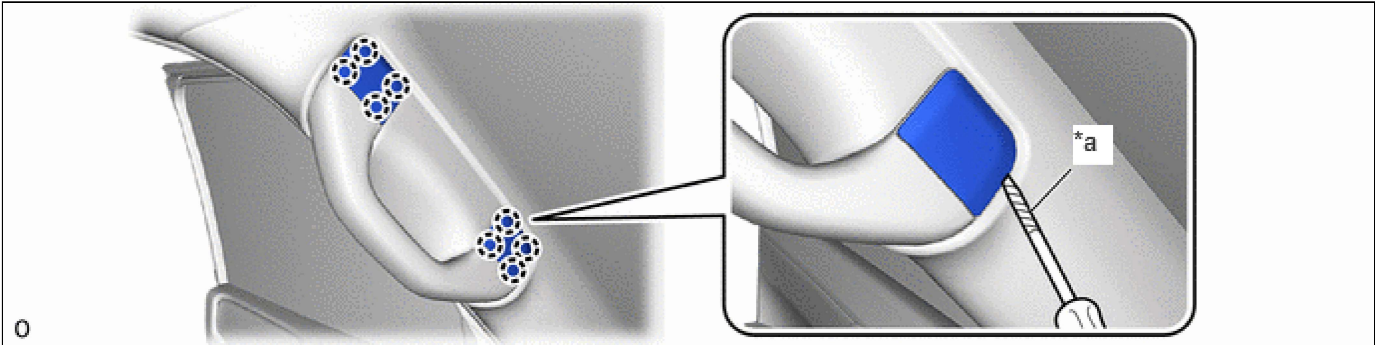
0

| | | | |
|---|--------------------------|---|---|
|  | Remove in this Direction | - | - |
|---|--------------------------|---|---|

33. REMOVE NO. 2 SIDE DEFROSTER NOZZLE

(a) Use the same procedure described for the No. 1 side defroster nozzle.

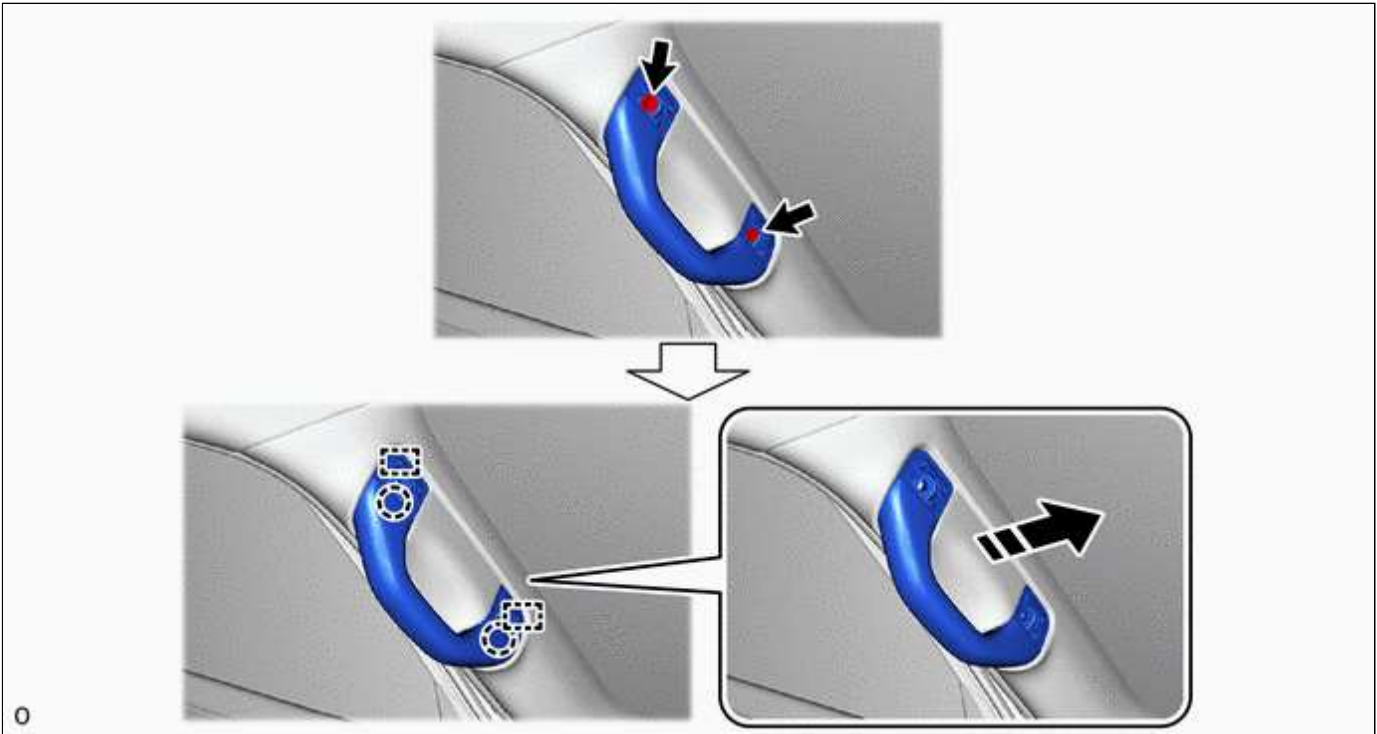
34. REMOVE ASSIST GRIP PLUG




0

| | | | |
|----|-----------------|---|---|
| *a | Protective Tape | - | - |
|----|-----------------|---|---|

35. REMOVE PILLAR ASSIST GRIP ASSEMBLY

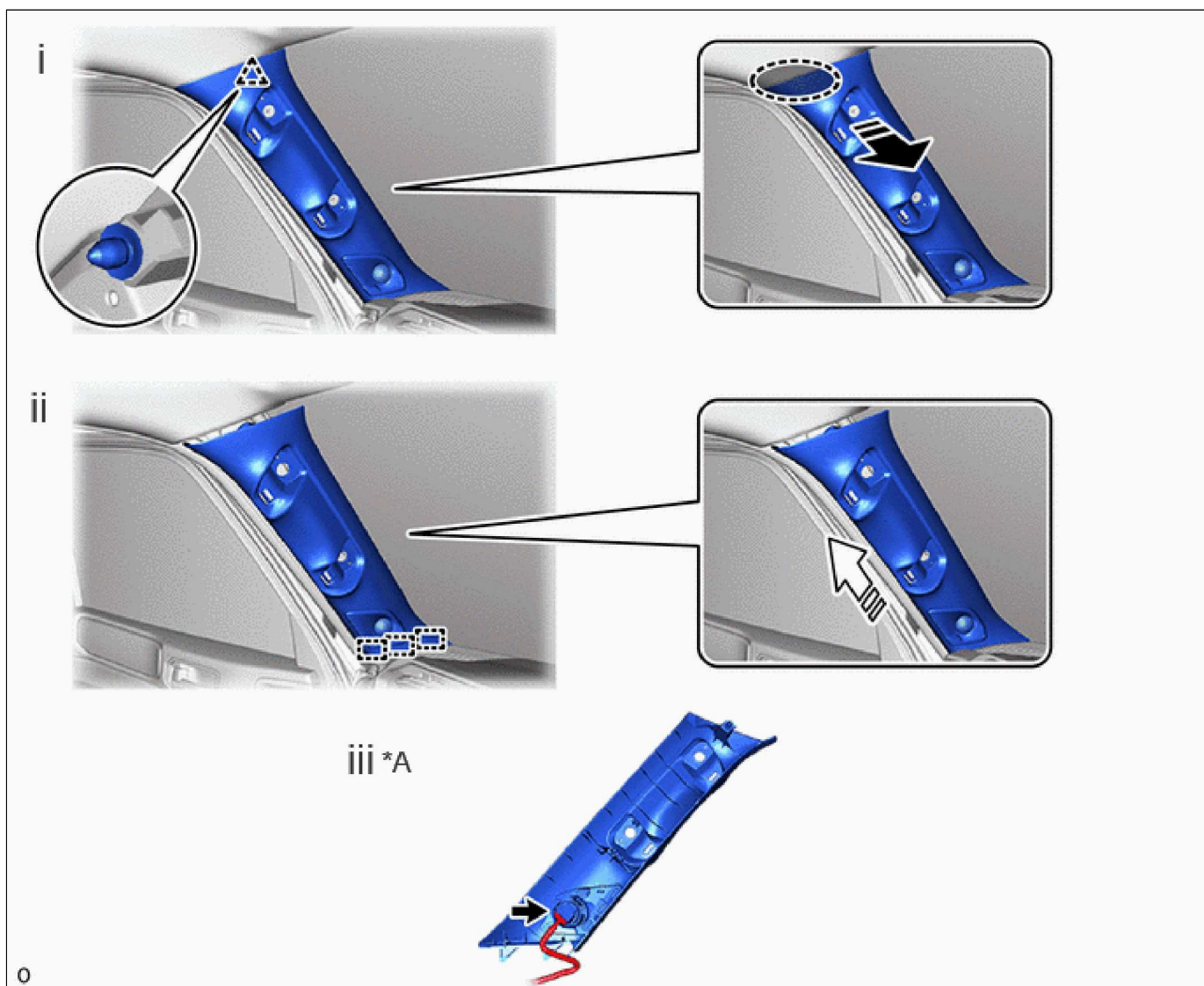





| | | | |
|---|--------------------------|---|---|
|  | Remove in this Direction | - | - |
|---|--------------------------|---|---|

HINT:
Use the same procedure described for the opposite side.

36. REMOVE FRONT PILLAR GARNISH ASSEMBLY LH

HINT:
The illustrations are representative examples, and details may differ.



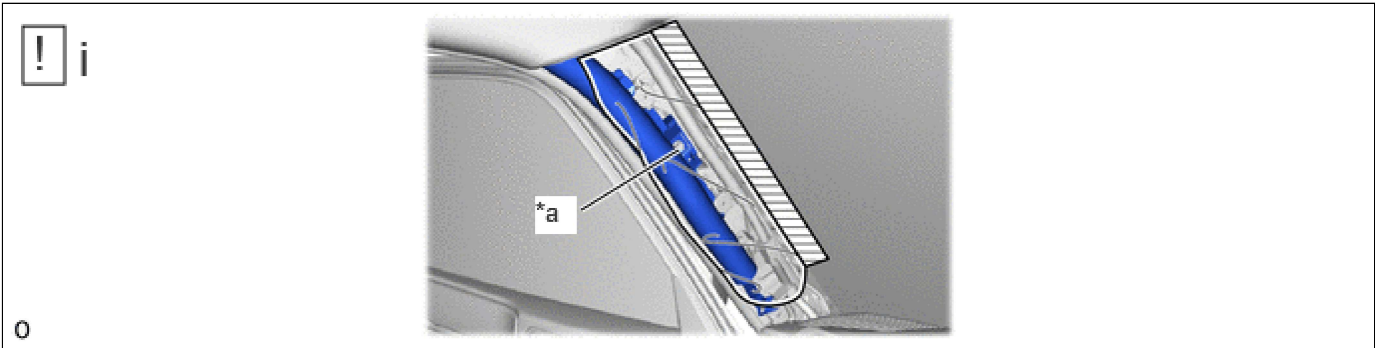
| | | | |
|---|------------------------------|---|------------------------------|
| *A | for 14 Speakers | - | - |
|  | Place Hand Here |  | Remove in this Direction (1) |
|  | Remove in this Direction (2) | - | - |


(1) Pull in the removal direction (1) as shown in the illustration and detach the clip.

(2) Pull in the removal direction (2) as shown in the illustration and detach the guide and remove the front pillar garnish assembly LH.

(3) for 14 Speakers:

1. Disconnect the connector.

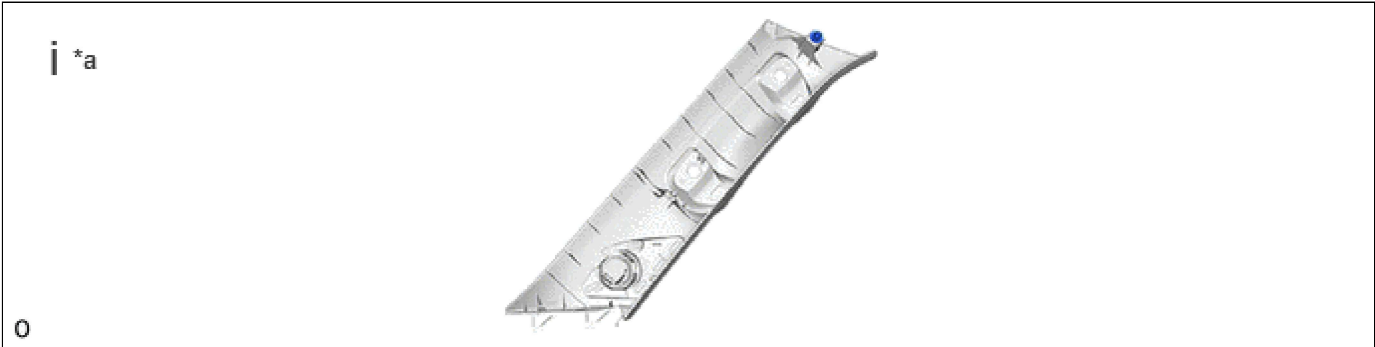


| | | | |
|---|------------------|---|---|
| *a | Protective Cover | - | - |
|  | Adhesive Tape | - | - |

(1) Cover the curtain shield airbag assembly LH with a protective cover, such as a cloth, and secure the edges of the cover with tape as shown in the illustration.

CAUTION:

Cover the curtain shield airbag assembly LH with a protective cover as soon as the front pillar garnish assembly LH is removed.



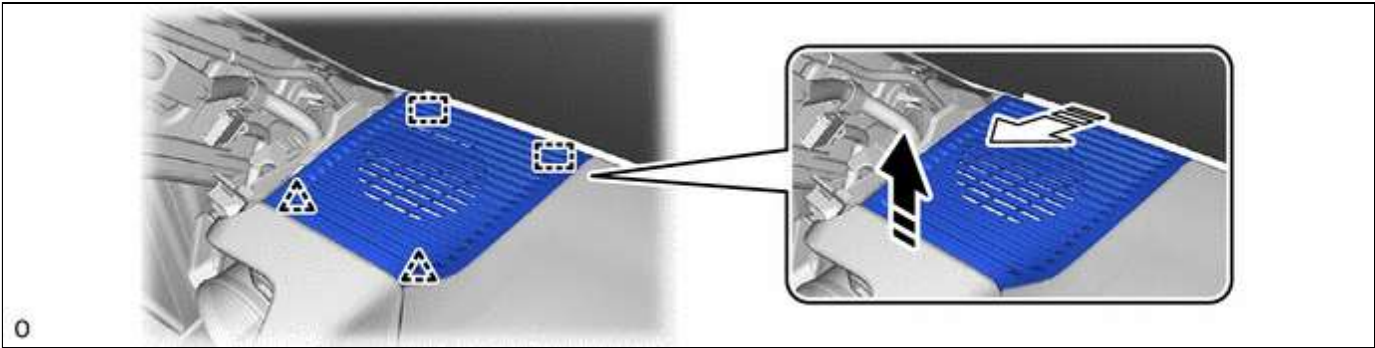
| | | | |
|----|---|---|---|
| *a | When reusing a front pillar garnish assembly LH | - | - |
|----|---|---|---|



(1) Remove the front pillar garnish clip from the front pillar garnish assembly LH.

37. REMOVE FRONT PILLAR GARNISH ASSEMBLY RH

(a) Use the same procedure described for the LH side.

38. REMOVE NO. 1 INSTRUMENT PANEL SPEAKER PANEL SUB-ASSEMBLY



| | | | |
|---|------------------------------|---|------------------------------|
|  | Remove in this Direction (1) |  | Remove in this Direction (2) |
|---|------------------------------|---|------------------------------|

39. REMOVE NO. 2 INSTRUMENT PANEL SPEAKER PANEL SUB-ASSEMBLY


(a) Use the same procedure described for the No. 1 instrument panel speaker panel sub-assembly.

40. REMOVE FRONT NO. 2 SPEAKER ASSEMBLY (for Side)



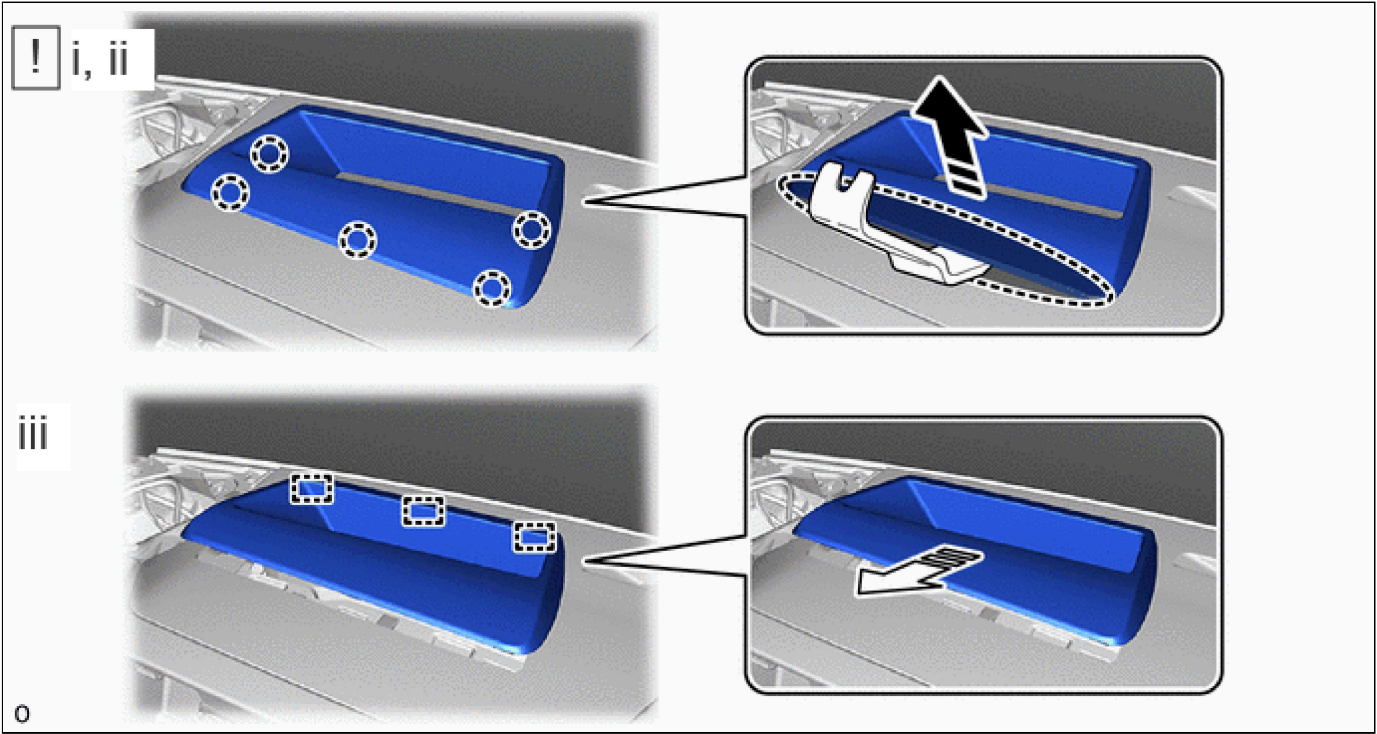
Click here [INFO](#)




41. REMOVE FRONT NO. 3 SPEAKER ASSEMBLY (except 6 Speakers, for Center)



Click here [INFO](#)

42. REMOVE INSTRUMENT CLUSTER FINISH PANEL END (w/ Headup Display)



| | | | |
|---|------------------------------|---|------------------------------|
|  | Place Hand Here |  | Remove in this Direction (1) |
|  | Remove in this Direction (2) | - | - |

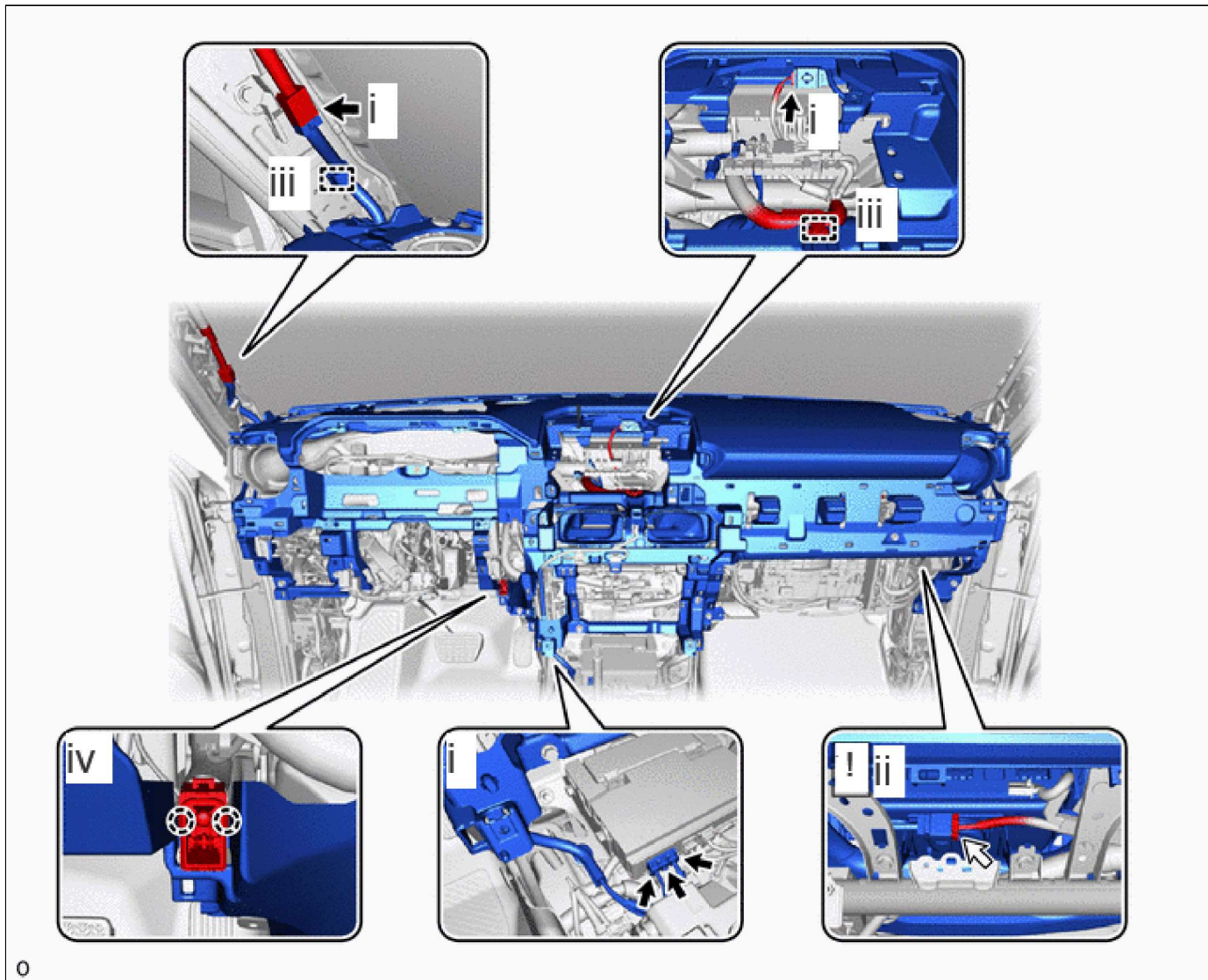
(1) Using moulding remover B, insert the position as shown in the illustration.

- (2) Place your hand in the gap as shown in the illustration, detach the claw.
- (3) Detach the guide and remove the instrument cluster finish panel end as shown in the illustration.

43. REMOVE INSTRUMENT PANEL SAFETY PAD ASSEMBLY

HINT:

The illustrations are representative examples, and details may differ.



| | | | |
|--|-----------|--|------------------|
| | Connector | | Airbag Connector |
|--|-----------|--|------------------|

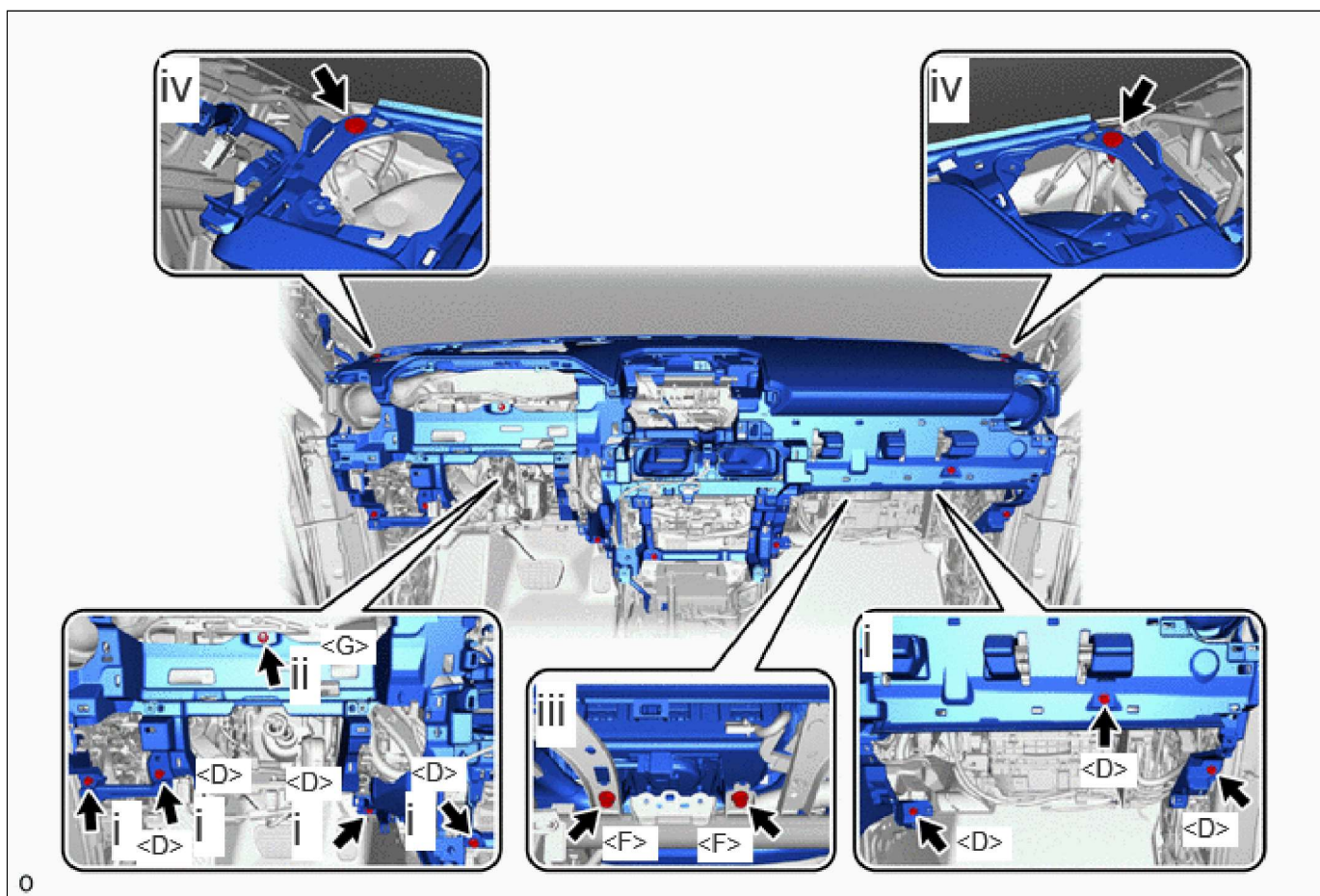
- (1) Disconnect each connector.
- (2) Disconnect the airbag connector.

HINT:

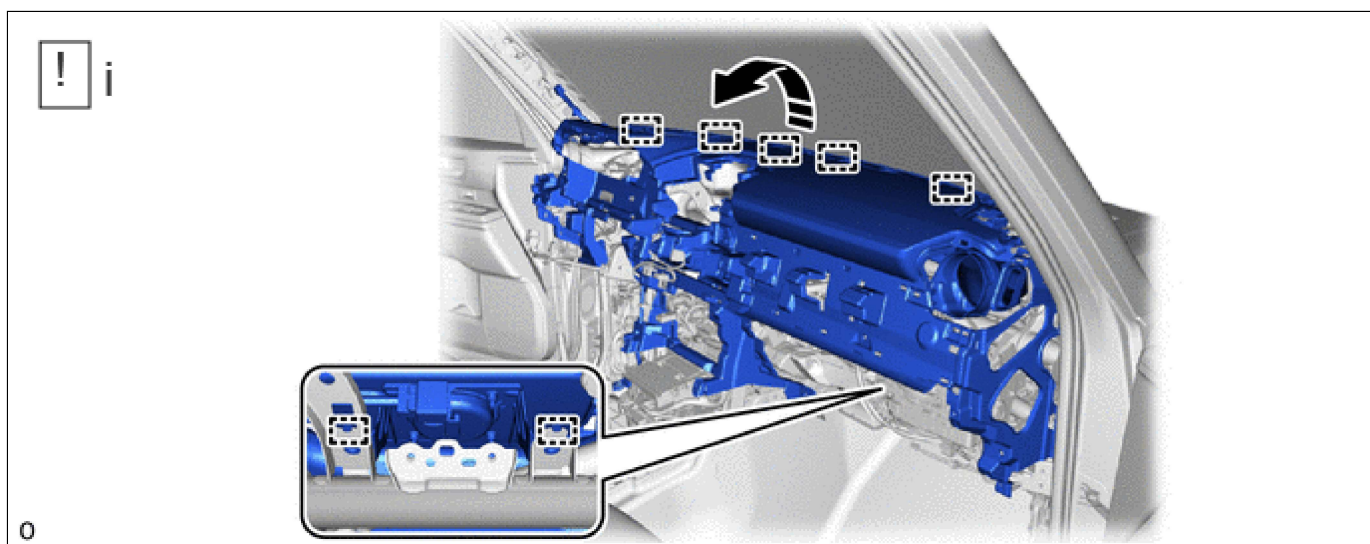
Refer to How to Connect or Disconnect Airbag Connector:


Click here [INFO](#)

- (3) Detach the clamp.
- (4) Detach the claw.



- (1) Remove the 7 bolts <D>.
- (2) Remove the nut <G>.
- (3) Remove the 2 bolts <F>.
- (4) Remove the 2 clips.

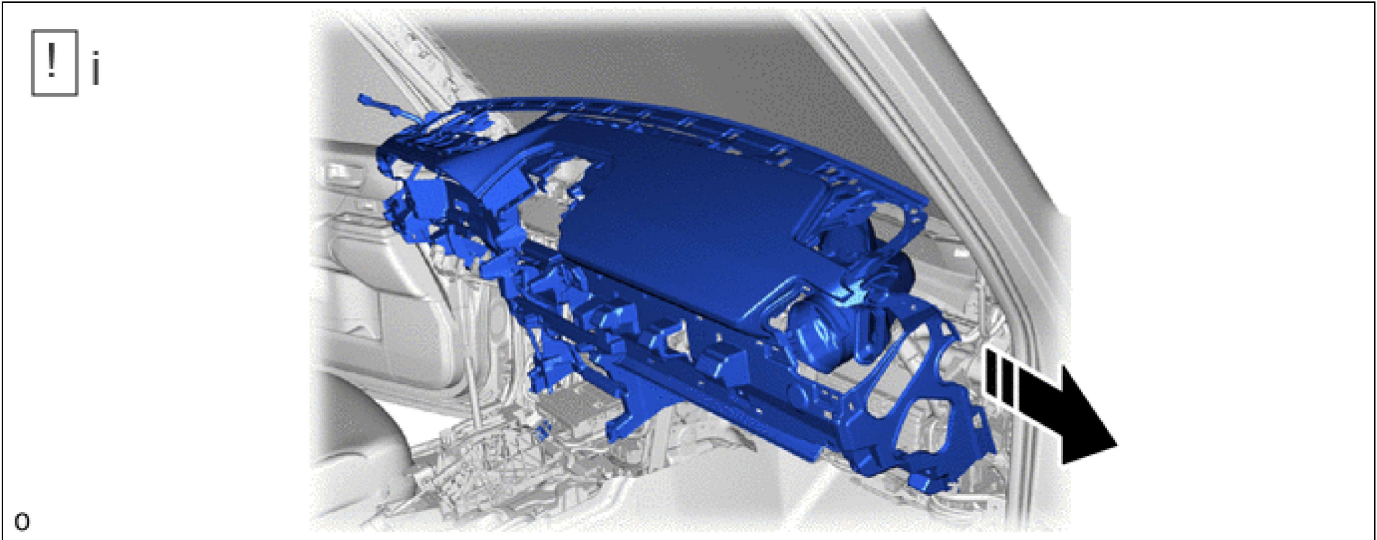


| | | | |
|---|--------------------------|---|---|
|  | Remove in this Direction | - | - |
|---|--------------------------|---|---|

- (1) Detach the guide as shown in the illustration.

NOTICE:

- Do not damage the instrument panel safety pad assembly or vehicle interior.
- Make sure that the wire harness does not get caught on anything as it may become damaged.



| | | | |
|--|--------------------------|---|---|
| | Remove in this Direction | - | - |
|--|--------------------------|---|---|

(1) Remove the instrument panel safety pad assembly as shown in the illustration.

NOTICE:

- Do not damage the instrument panel safety pad assembly or vehicle interior.
- Make sure that the wire harness does not get caught on anything as it may become damaged.

