




GENUINE Interior Lighting Kit


INSTALLATION INSTRUCTIONS

Thank you for purchasing a genuine Mazda accessory.
Before removal and installation, be sure to thoroughly read these instructions.
Please read the contents of this booklet in order to properly install and use the interior lighting kit.
Your safety depends on it.
Keep these instructions with your vehicle records for future reference.

WARNING

- There are several  **WARNING** and  **CAUTION** sections in this booklet concerning safety when installing or removing the interior lighting kit. Always read and follow them in order to prevent injuries, accidents, and possible damage to the vehicle.

 **WARNING:** Indicates a situation in which serious injury or death could result if the warning is ignored.

 **CAUTION:** Indicates a situation in which bodily injury or damage to the vehicle could result if the caution is ignored.

- For areas indicating the tightening torque in this instruction manual, tighten to the specified torque using a torque wrench.
- Do not modify the interior lighting kit.
- Do not install the interior lighting kit remove in any way other than described in the following instructions.
- If in any doubt, please ask your Mazda dealer to install the accessory in order to prevent errors in installation.
- If you have any questions about the use of the accessory, ask your Mazda dealer for proper advice before using it.
- Mazda and its suppliers are not responsible for injuries, accidents, and damage to persons and property that arise from the failure of the dealer or installer to follow these instructions.
- To ensure safety and reliability of the work, installation, removal and disposal work must be carried out by an Authorized Mazda Dealership.
- Be careful not to lose removed parts, and be sure that they are kept free from scratches, grease or other dirt.

PART NAME: Interior Lighting kit
VEHICLE: MAZDA CX-3
PART NUMBER: DA8A V7 050

NOTE

To the dealer

- Please turn over these instructions to the customer after installation.





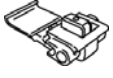





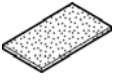



To the customer

- Keep these instructions after installation. The instructions may be necessary for installing other optional parts or removal of this accessory.
- Should the vehicle or this accessory be resold, always leave these instructions with vehicle for the next owner.

1. PARTS

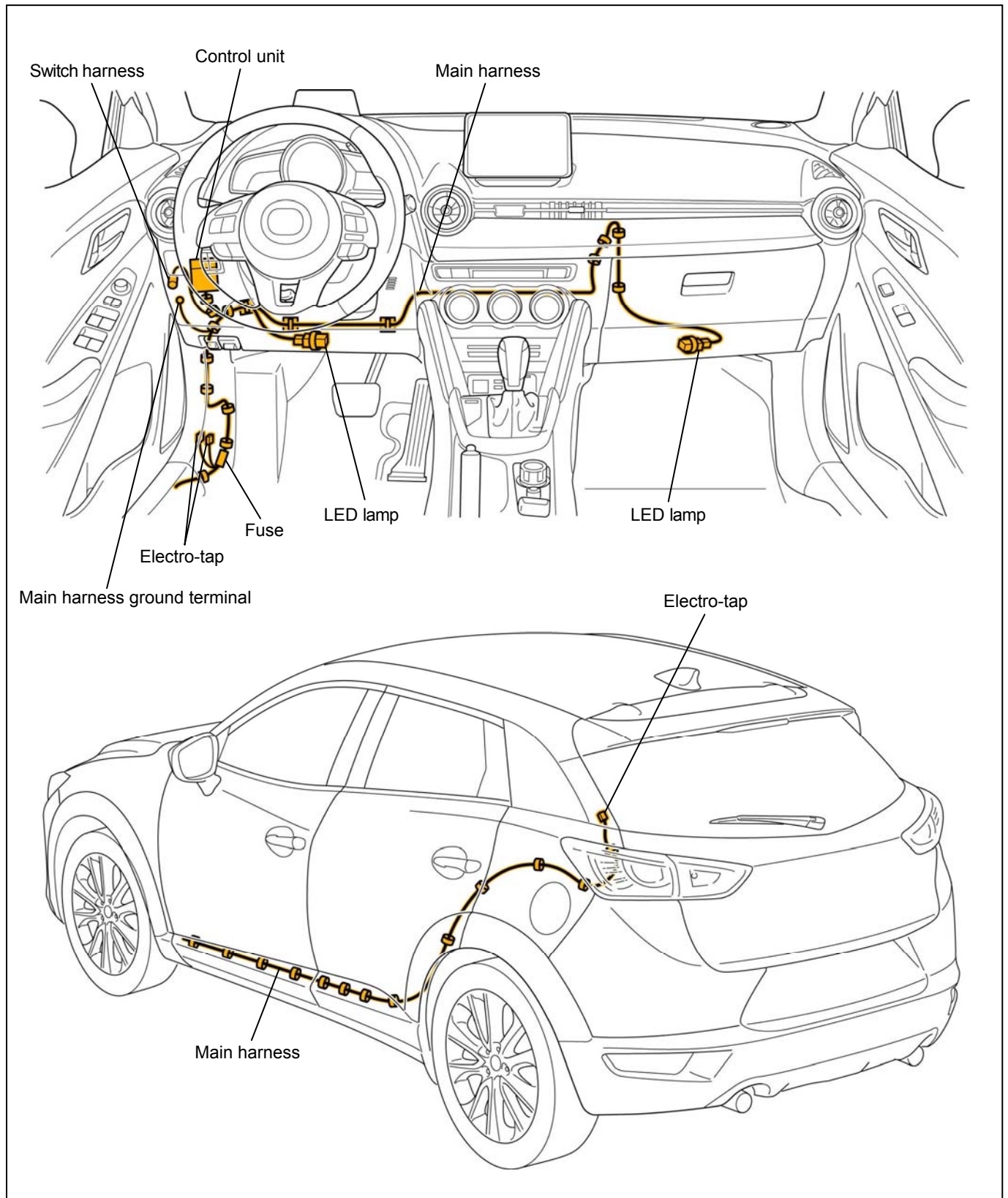
Note

- Before installation, verify that the kit includes all the following parts and that they are free of dirt, scratches, or damage.

Part	Part name	Qty.	Part	Part name	Qty.	Part	Part name	Qty.
	Control unit	1		Main harness	1		LED lamp (G44N V7 052)	2
	Switch harness Switch label (E223 V7 055)	1		Electro tap	3		Mount base A	1
	Mount base B	3		Tie wrap (small)	1		★ Tie wrap (large)	30
	Nut	1		★ Cushioning tape	3		Double-sided adhesive tape	5
	Installation instructions	1		Installation inspection sheet User's instructions	1ea.			

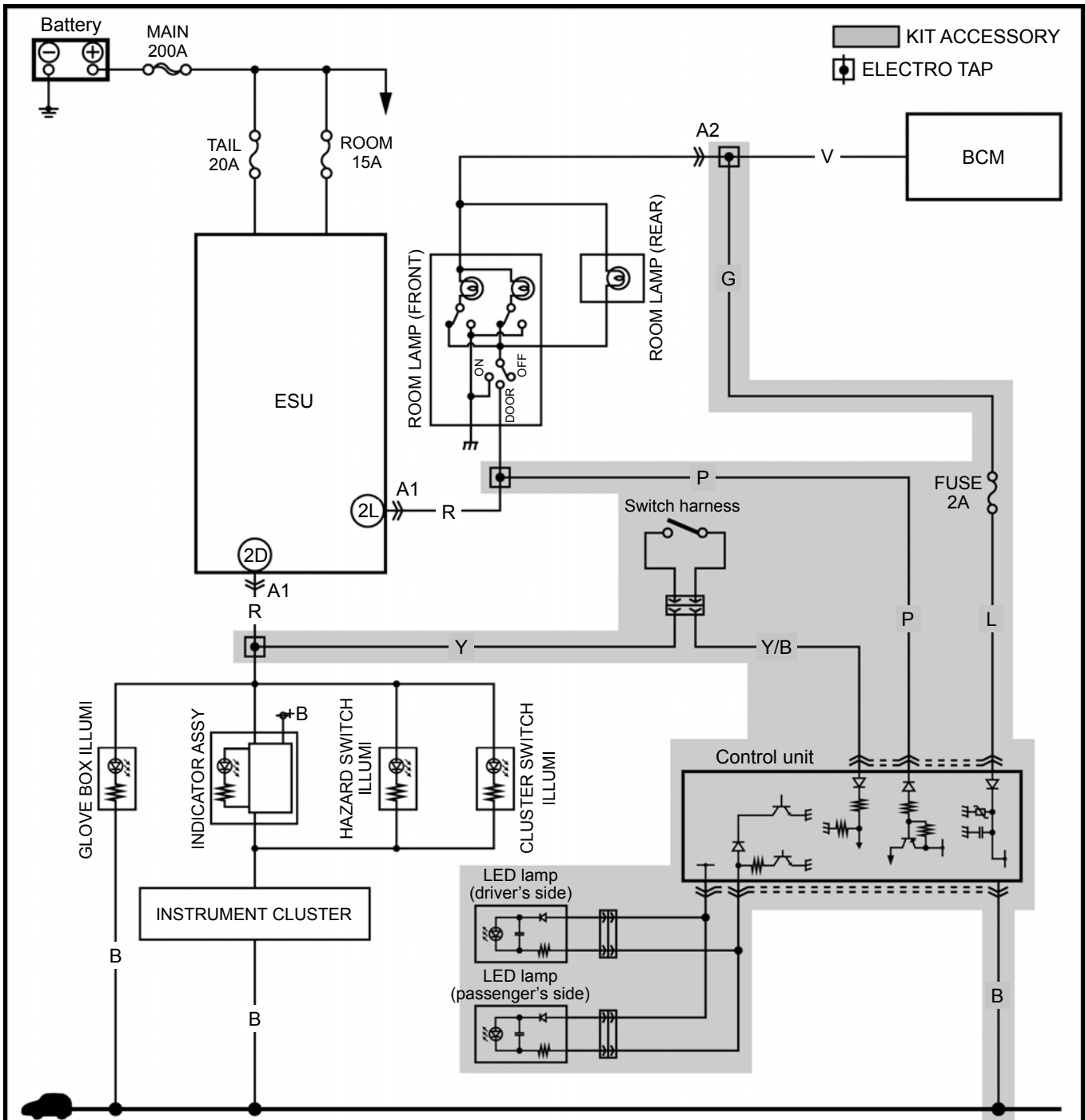
★ The quantity necessary depends on the method of installation.

Installation view

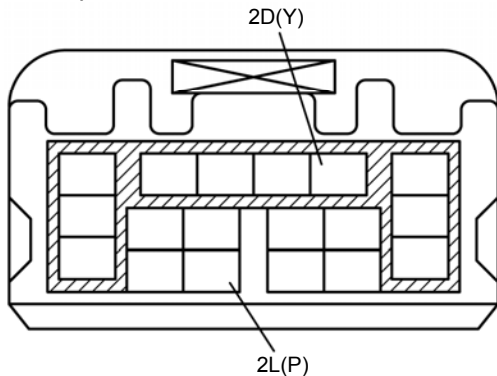


2. CONNECTION DIAGRAM

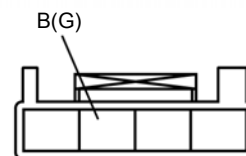
- Figure shows connector viewed from harness side.
- Wire color indicated in figure is wiring harness color for Interior lighting kit.



A1 ESU2 18pin connector



A2 Vehicle wiring harness 4pin connector








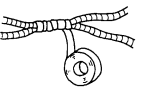

3. BEFORE INSTALLATION

■ REQUIRED TOOLS


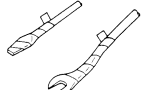

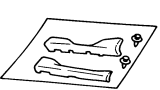




- ☆Screwdriver (Phillips)
- ☆Nipper
- ☆Drill (2mm,5mm,9mm)
- ☆Flathead screwdriver wrapped with protective tape
- ☆Masking tape
- ☆Mat
- ☆Socket wrench
- ☆Pliers
- ☆Hole saw (20mm)
- ☆Fastener remover wrapped with protective tape
- ☆Electrical vinyl tape
- ☆IPA (Isopropyl alcohol)
- ☆Torque wrench
- ☆Pin
- ☆Round file
- ☆Scissors
- ☆Soft clean cloth

- To perform the installation work safely and maintain functionality and quality, thoroughly read these instructions before performing the procedures and always heed the warnings and precautions.
- In the work procedures, there are descriptions which are only indicated in the illustrations. Make sure to follow these procedures as well.

⚠ WARNING

			
When the negative battery is connected during operation, may cause electric shock or other personal injuries. Disconnect the negative cable before /installation.	Before performing any work, park the vehicle on level ground, apply the parking brake securely, and then block the wheels.	Be careful when handling drills and other sharp objects. If not handled properly, it could result in serious injury.	
			
When connecting/dis- connecting connectors, grasp the connectors, not the wires. Otherwise a short, and an accident from poor contact or fire may occur.	Make sure the connector is securely pressed in until a click sound is heard. Otherwise, a fire or other accident may occur due to an open circuit or poor contact.	Secure the harness with the band (part included) so it doesn't dangle. If not, it may cause a short, accident, or fire.	Do not pull the harness with excessive force. Doing so can cause a breakage or a short-related accident, as well as an electrical short or fire.

⚠ CAUTION

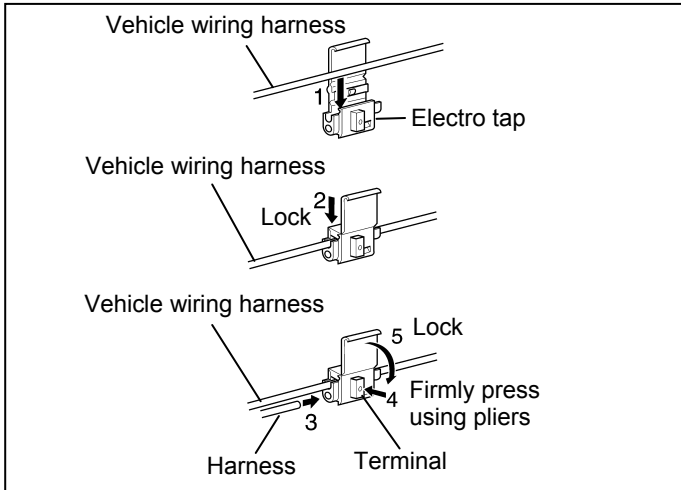
			
Using improper tools may cause damage and/or broken parts. Use the correct tool for the job.	Wrap protective tape around screwdrivers and fastener remover tools to prevent scratching the vehicle.	Excessive length of tie wrap may interfere with other parts and cause damage.	Put the removed parts and the parts in the kit on the protective sheet to prevent scratches.
			
If there is dust, dirt or grease on the adhesion surface, the adhesive strength of the double-sided adhesive tape will splotch and adhesive power of the tape will be reduced. Wash and degrease the surface of the adhesion area before applying the double-sided adhesive tape. Be sure to wash interior and exterior parts using IPA (isopropyl alcohol).	If tape or a mount base is re-adhered, the adhesive strength will be weakened. Before adhering, accurately determine the adhesion position.	When drilling, hold the drill or hole saw perpendicular to the drilling surface to prevent the drill position from deviating.	Make sure to remove burrs from the surface so that the bumper surface is smooth.

Advice

Refer to the Workshop Manual for removal and installation of vehicle parts.



■ Branch connection procedure using electro tap



1. Insert the harness and vehicle wiring harness into the electro tap.
2. Fold the electro tap as shown in the figure and lock it.

CAUTION

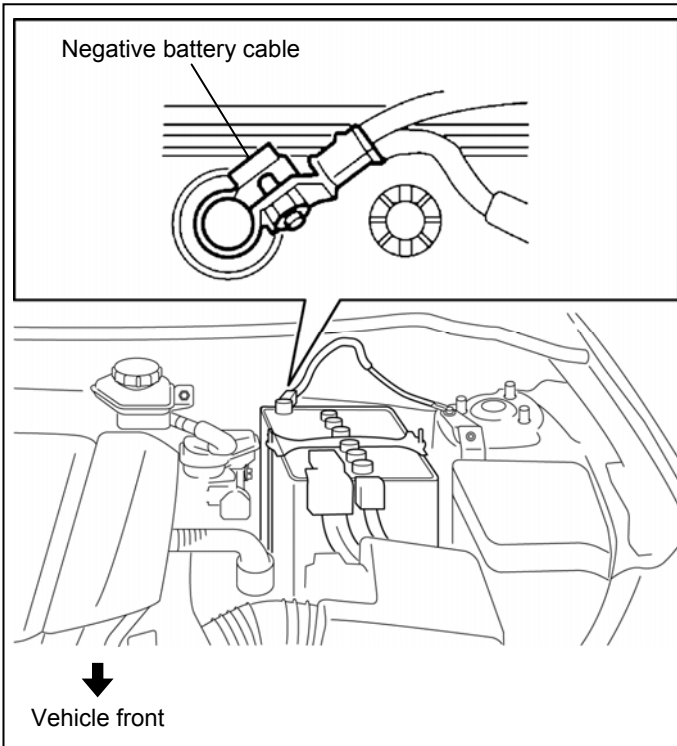
- Firmly engage the lock part until a click sound is heard.

3. Insert the harness to the end of the electro tap.
4. Firmly press the electro tap terminal using pliers.
5. Fold the electro tap in the direction of the arrow shown in the figure and lock it.

4. VEHICLE PART REMOVAL

⚠ CAUTION

- Be careful not to damage or lose any parts removed from the vehicle since they will be reused.



Negative battery cable disconnection

1. Set the selector lever to the P position.
(AT vehicles only)

⚠ WARNING

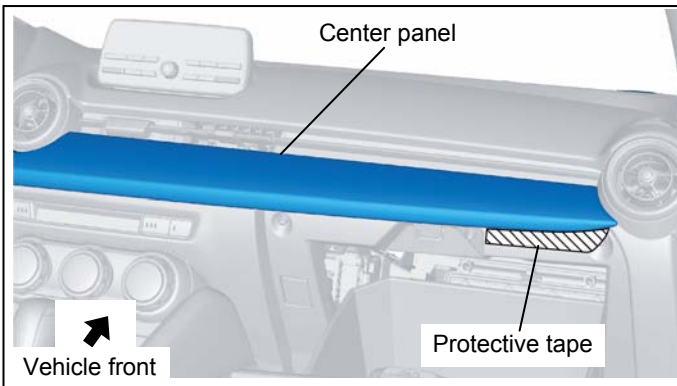
- When removing/installing the parts, park the vehicle on level ground and apply the side brake securely. Be sure to turn the ignition switch off, otherwise the vehicle can move, causing personal injury or vehicle damage.

2. Disconnect the negative battery cable and wrap tape around it to insulate.

⚠ WARNING

- If the negative battery cable is connected while performing the work, it may cause electrocution or other personal injuries. Disconnect the negative battery cable before removal/installation.

Tightening torque : 4.0-6.0 N·m

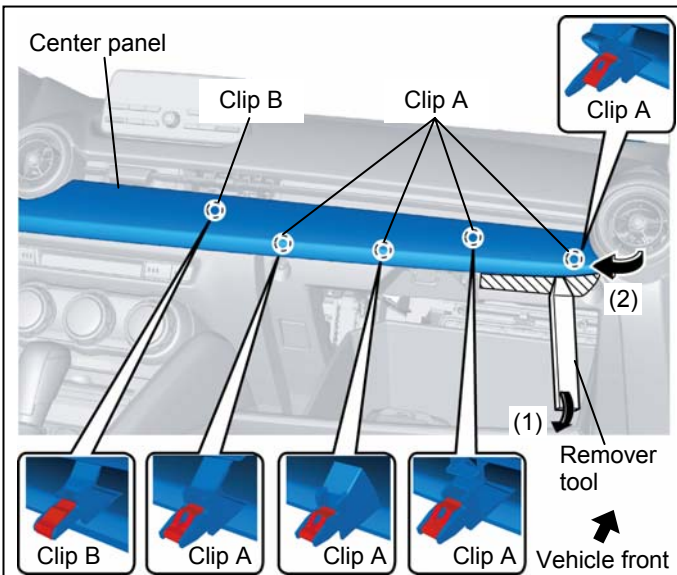


Center panel removal

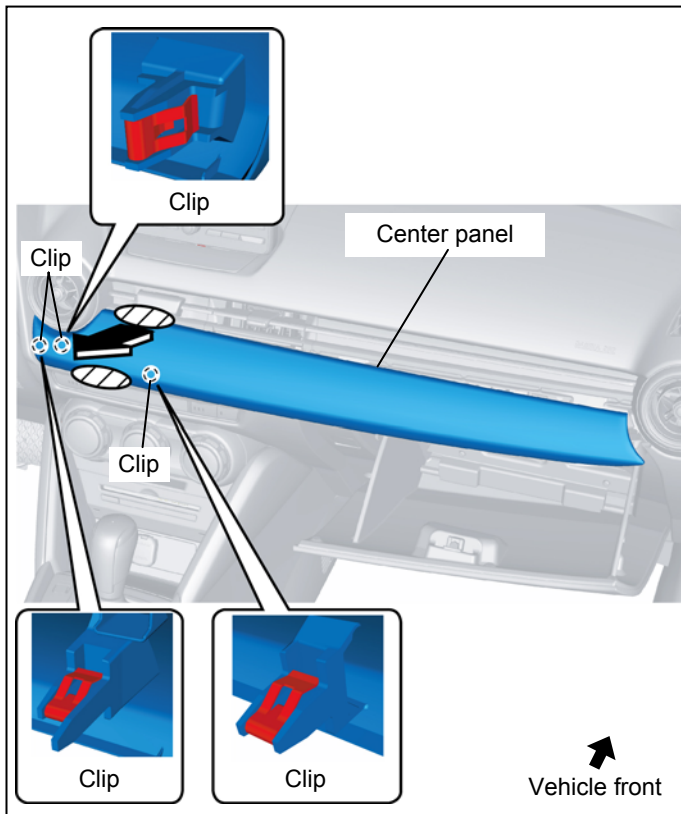
1. Affix protective tape to the shaded position shown in the figure.

⚠ CAUTION

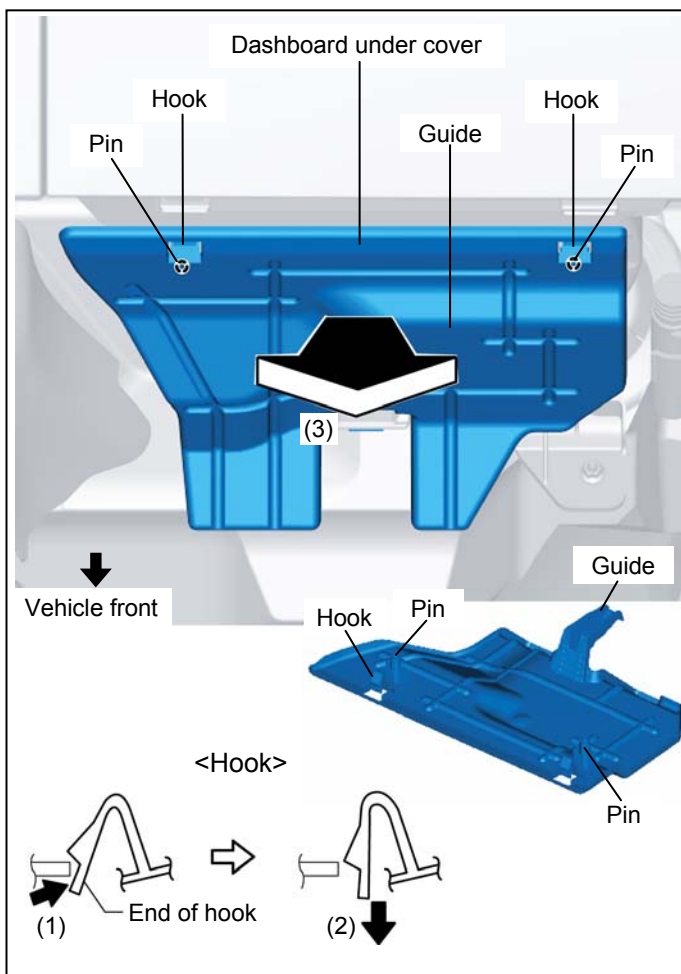
- If the remover tool is inserted without affixing protective tape, the passenger's side lower panel may be damaged. Always affix protective tape before inserting the remover tool to prevent damage.



2. Insert the remover tool into the position shown in the figure and move it in the direction of arrow (1) shown in the figure.
3. Move the center panel in the direction of arrow (2) shown in the figure and detach clips A and B.



4. Hold the shaded areas shown in the figure with your hands, pull the center panel in the direction of the arrow and detach the clips.
5. Remove the center panel.



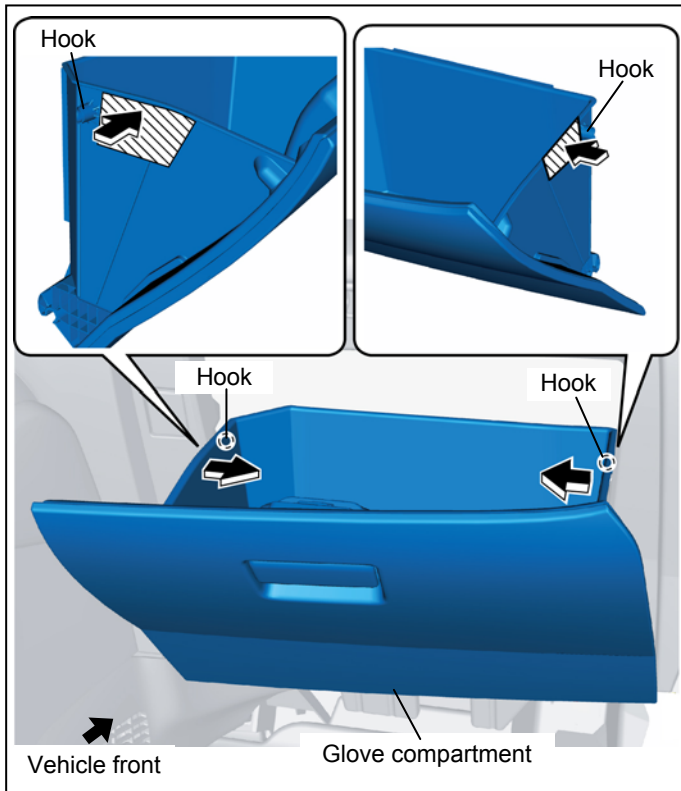
Dashboard under cover removal

1. With the end of the hook pressed out in the direction of arrow (1) shown in the figure, move the dashboard panel under cover in the direction of arrow (2) and detach the hooks and pins.

⚠ CAUTION

- When detaching the hooks and pins, if the dashboard under cover is moved downward forcefully, the guide may be damaged. Be careful not to damage the guide when detaching the hooks and pins.

2. Move the dashboard under cover in the direction of arrow (3) shown in the figure and remove it while releasing the guide.

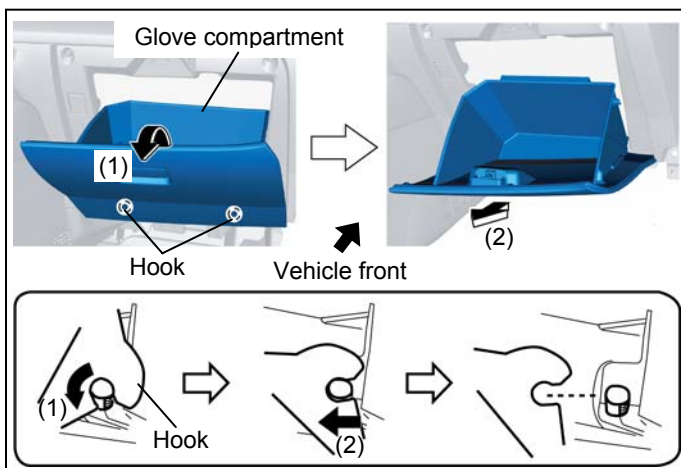
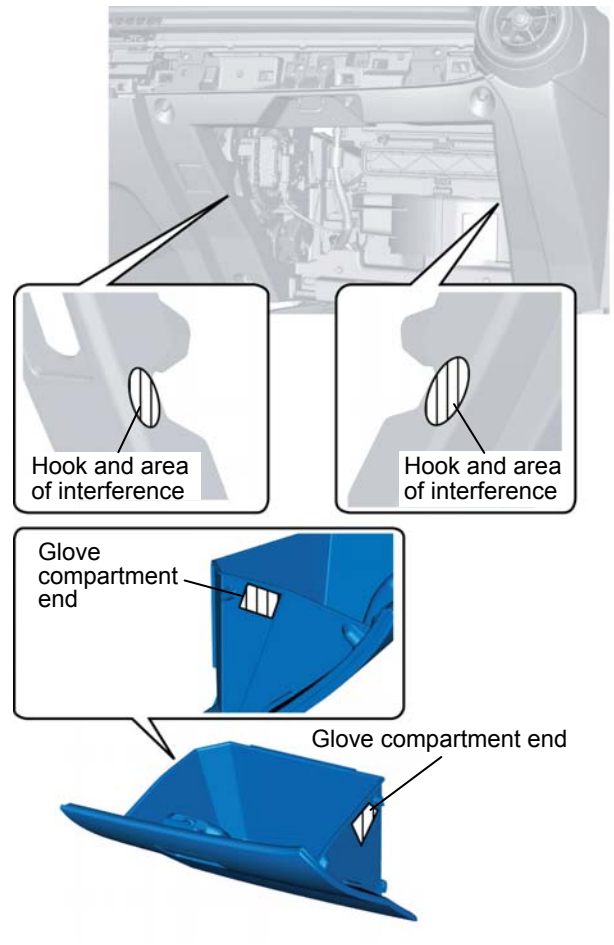


Glove compartment removal

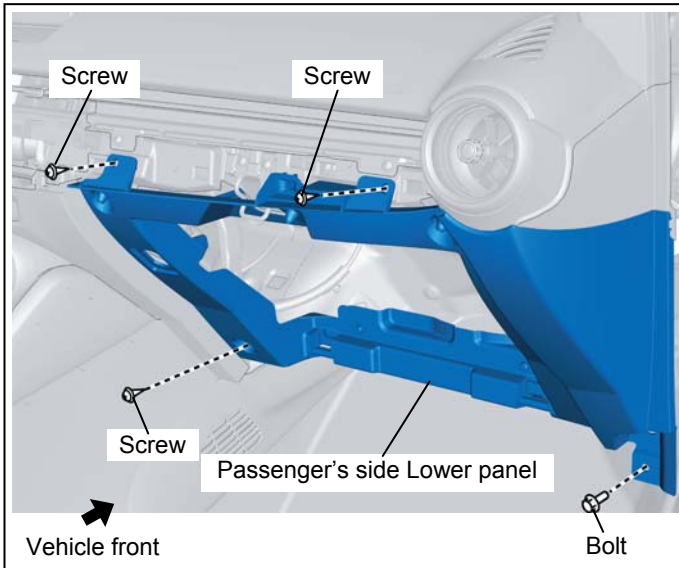
1. Open the glove compartment.
2. Press both ends of the glove compartment in the directions of the arrows shown in the figure and detach the hooks.

⚠ CAUTION

- When detaching the hooks, the hooks could interfere with the passenger's side lower panel and cause scratches or damage. When detaching the hooks, press the ends of the glove compartment so that the hooks do not interfere with the passenger's side lower panel.

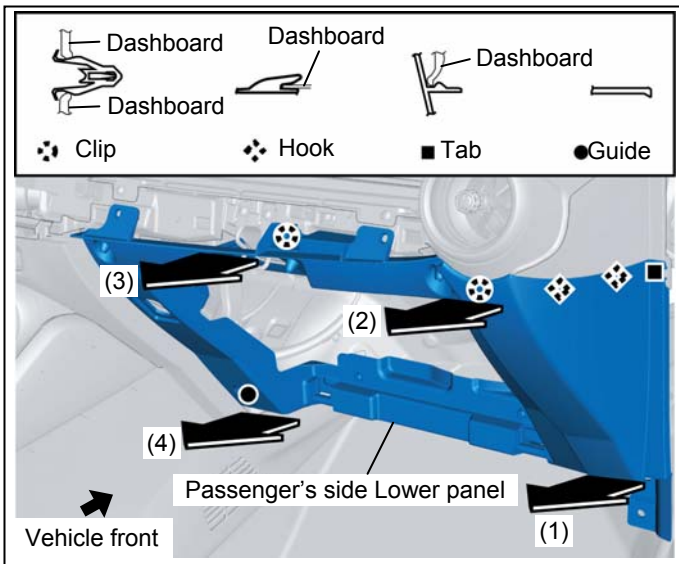


3. Lower the glove compartment in the direction of arrow (1) shown in the figure.
4. Move the glove compartment in the direction of arrow (2) shown in the figure and remove it while detaching the hooks.

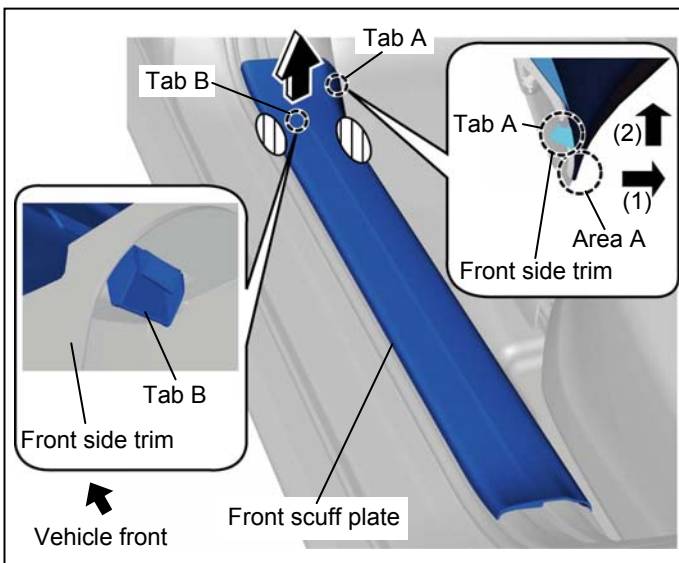


Passenger's side lower panel removal

1. Partially peel back the seaming welt.
2. Remove the bolt.
3. Remove the screws.

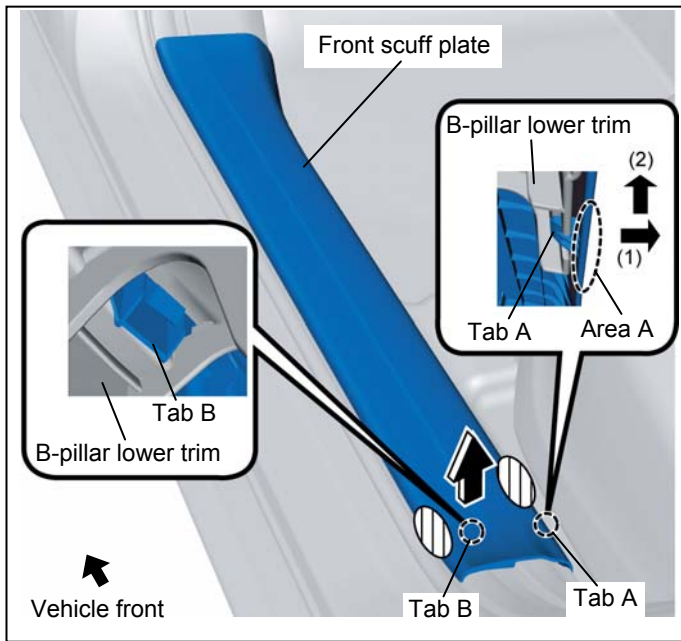


4. Move the passenger's side lower panel in the order of arrows (1), (2), (3), and (4) shown in the figure, and detach the clips, hooks, tab, and guide from the dashboard.

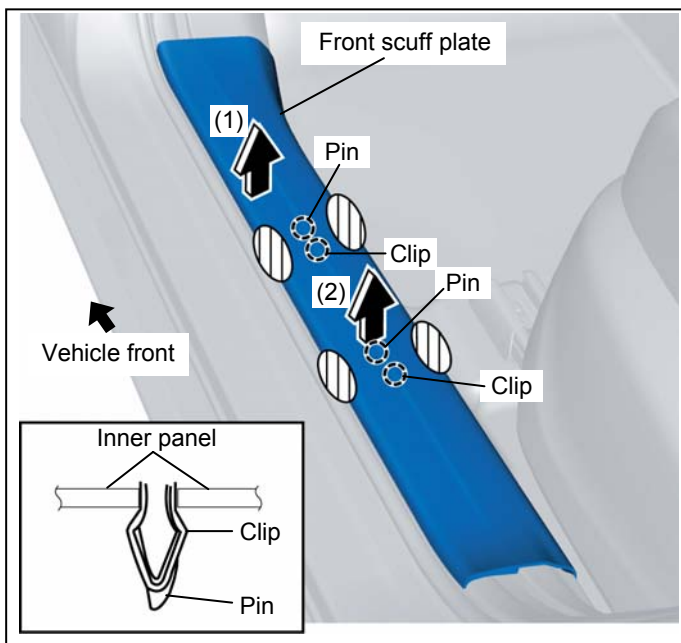


Driver's/ passenger's side front scuff plate removal

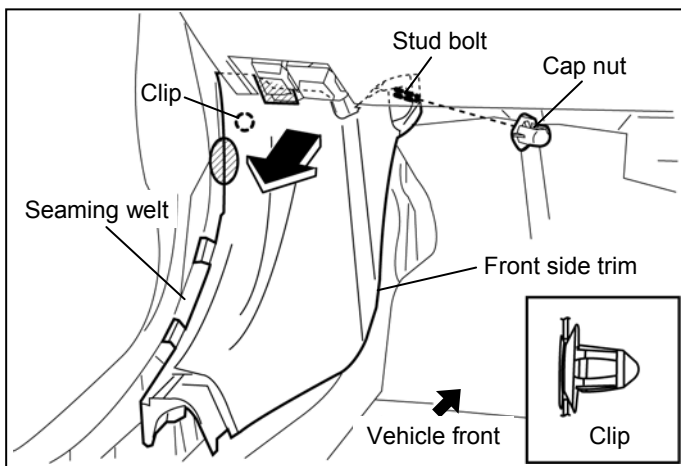
1. Hold area A shown in the figure, open the front scuff plate in the direction of arrow (1), move it in the direction of arrow (2), and detach tab A of the front scuff plate from the front side trim.
2. Hold the shaded area shown in the figure, move the front scuff plate in the direction of arrow (3), and detach tab B of the front scuff plate from the front side trim.



3. Hold area A shown in the figure, open the front scuff plate in the direction of arrow (1), move it in the direction of arrow (2), and detach tab A of the front scuff plate from the B-pillar lower trim.
4. Hold the shaded area shown in the figure, move the front scuff plate in the direction of arrow (3), and detach tab B of the front scuff plate from the B-pillar lower trim.

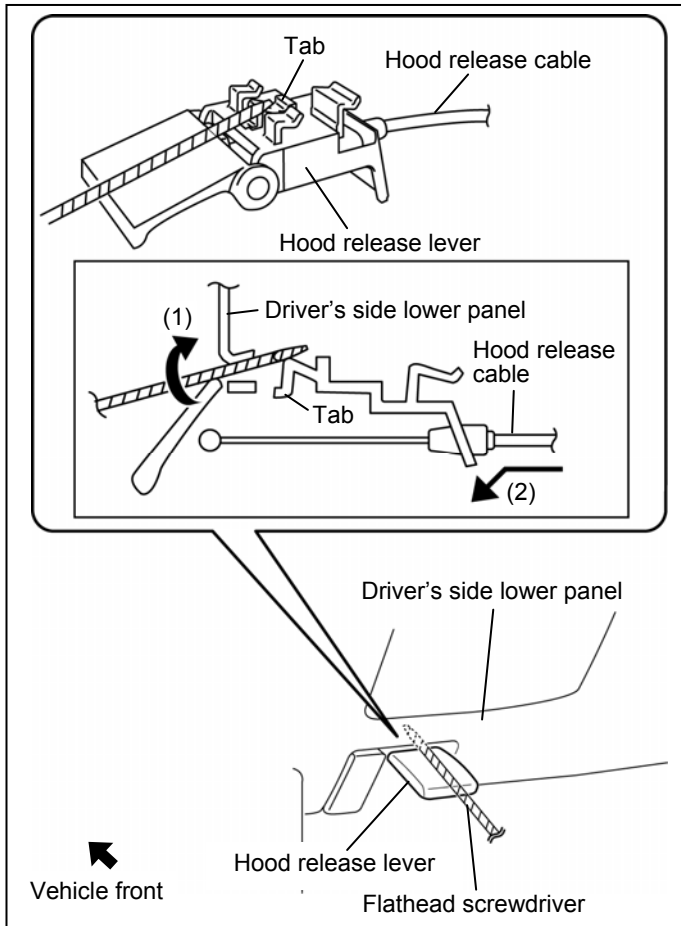


5. Hold the shaded area shown in the figure, move the front scuff plate in the direction of arrow (1), and detach the clips from the inner panel.
6. Hold the shaded area shown in the figure, move the front scuff plate in the direction of arrow (2), and detach the clips from the inner panel.
7. Pull out the pins and remove the front scuff plate.



Driver's/ passenger's side front side trim removal

1. Partially peel back the seaming welt.
2. Remove the cap nut.
3. Pull the front side trim out of the stud bolt.
4. Hold the shaded area shown in the figure, move the front side trim in the direction of the arrow, and detach the clip.
5. Remove the front side trim.

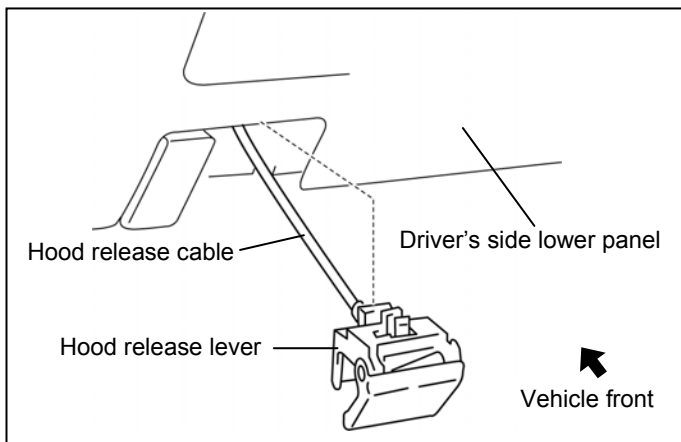


Hood release lever removal

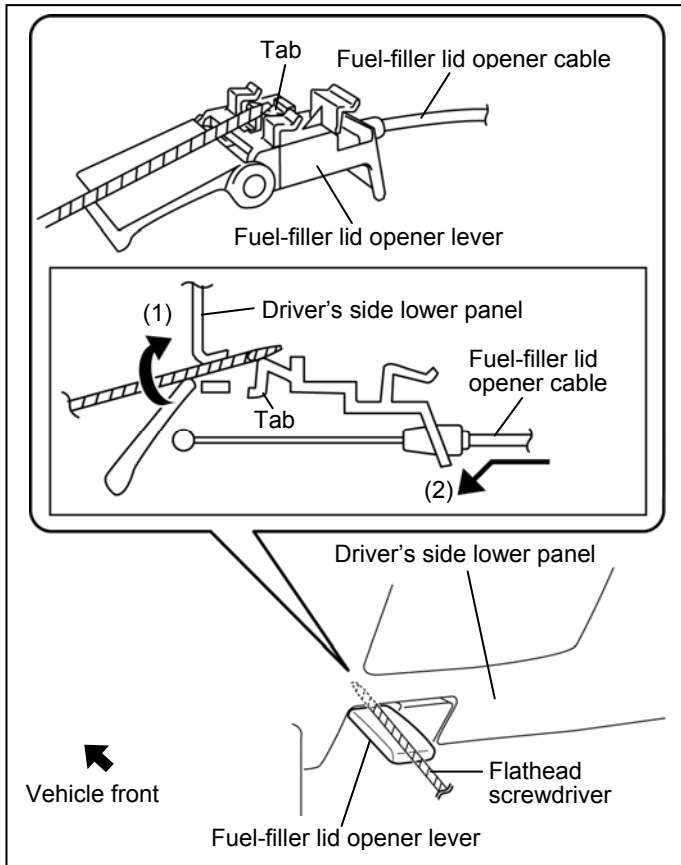
1. While pulling the bonnet release lever, insert a tape-wrapped flathead screwdriver into the position shown in the figure.
2. Move the tape-wrapped flathead screwdriver in the direction of arrow (1) shown in the figure to press the tab, and pull the hood release cable in the direction of arrow (2) to detach the hood release lever from the driver's side lower panel.

⚠ CAUTION

- Remove the hood release lever while being careful not to damage the hood release cable with the flathead screwdriver.



3. Pull the hood release lever to remove it from the driver's side lower panel.

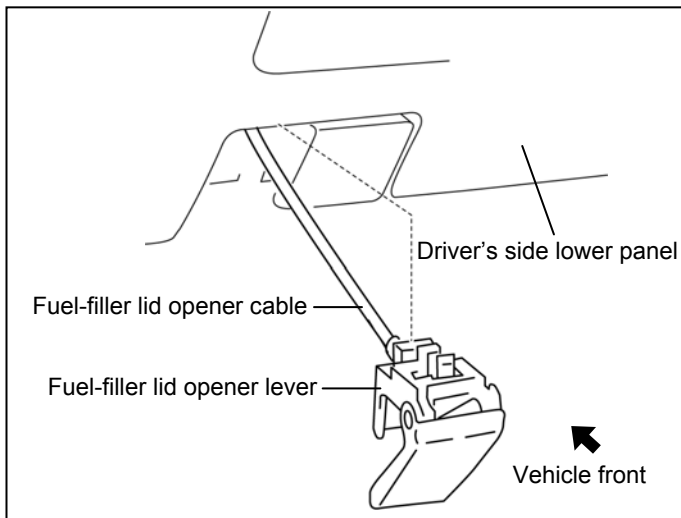


Fuel-filler lid opener lever removal

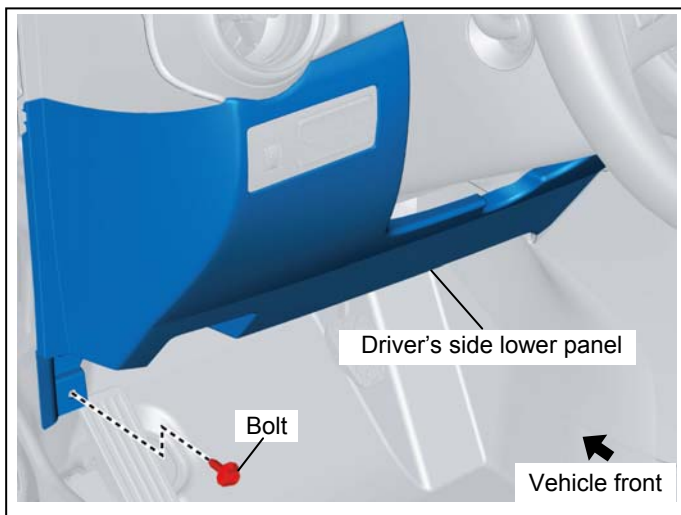
1. While pulling the fuel-filler lid opener lever, insert a tape-wrapped flathead screwdriver into the position shown in the figure.
2. Move the tape-wrapped flathead screwdriver in the direction of arrow (1) shown in the figure to press the tab, and pull the fuel-filler lid opener cable in the direction of arrow (2) to detach the fuel-filler lid opener lever from the driver's side lower panel.

⚠ CAUTION

- Be careful not to damage the fuel-filler lid opener lever with the flathead screwdriver.

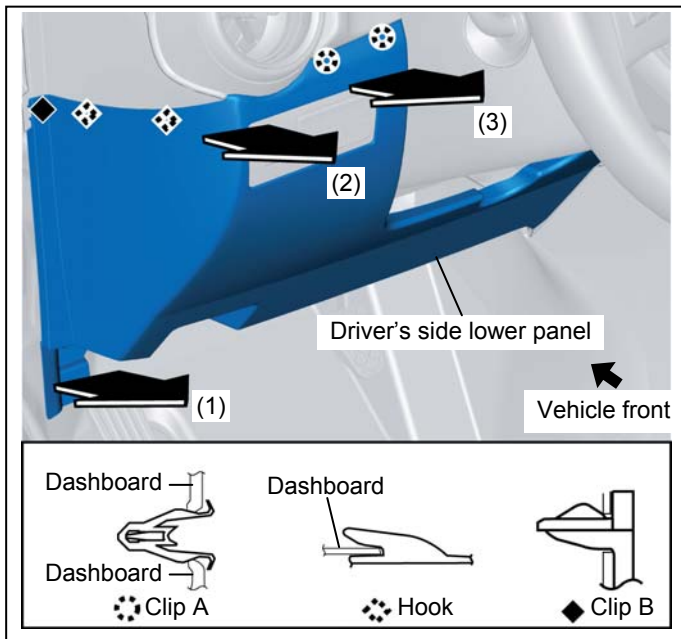


3. Pull the fuel-filler lid opener lever and remove it from the driver's side lower panel.

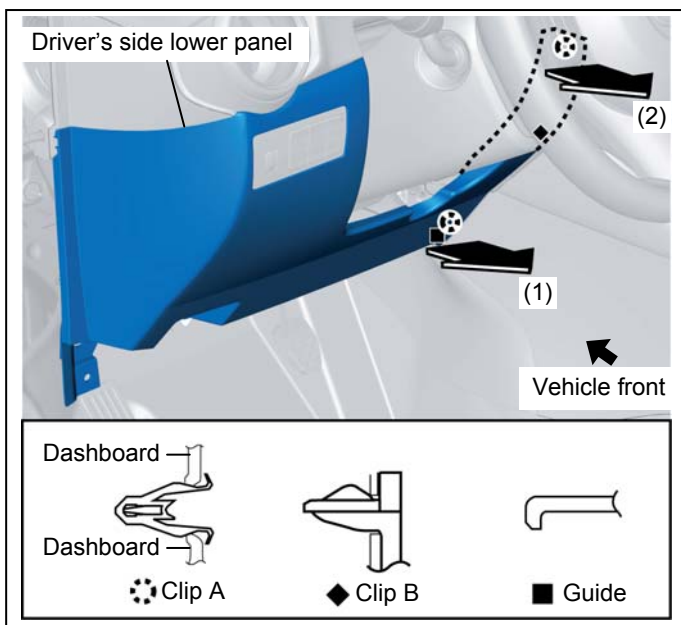


Driver's side lower panel removal

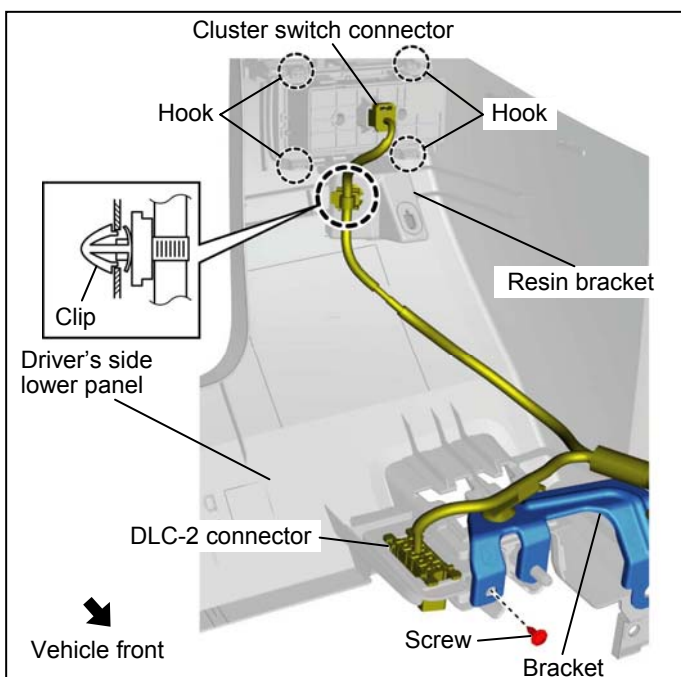
1. Partially peel back the seaming welt.
2. Remove the bolt.



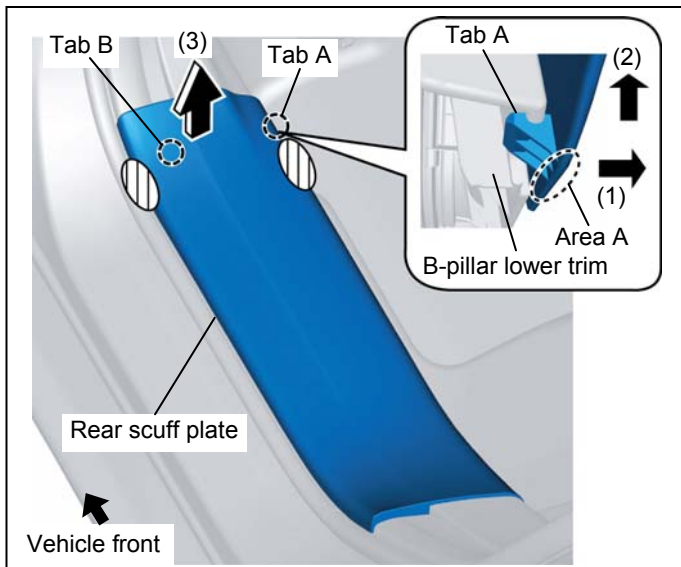
3. Move the driver's side lower panel in the order of arrows (1), (2), and (3) shown in the figure, and detach clips A and B, and the hooks.



4. Move the driver's side lower panel in the order of arrows (1) and (2) shown in the figure, and detach clips A and B, and the guide.

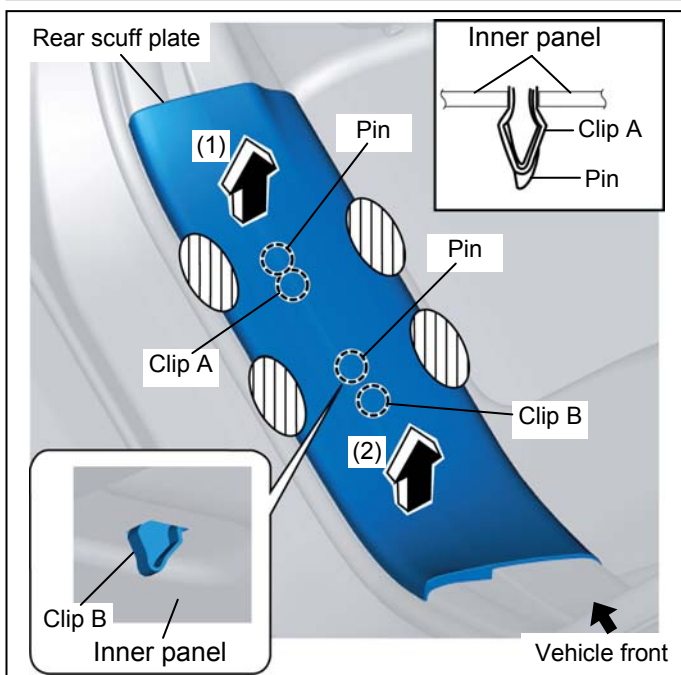


5. Disconnect the cluster switch connector.
6. Detach the hooks, then remove the resin bracket.
7. Remove the clip.
8. Remove the DLC-2 connector.
9. Remove the screw.
10. Remove the bracket.
11. Remove the driver's side lower panel.

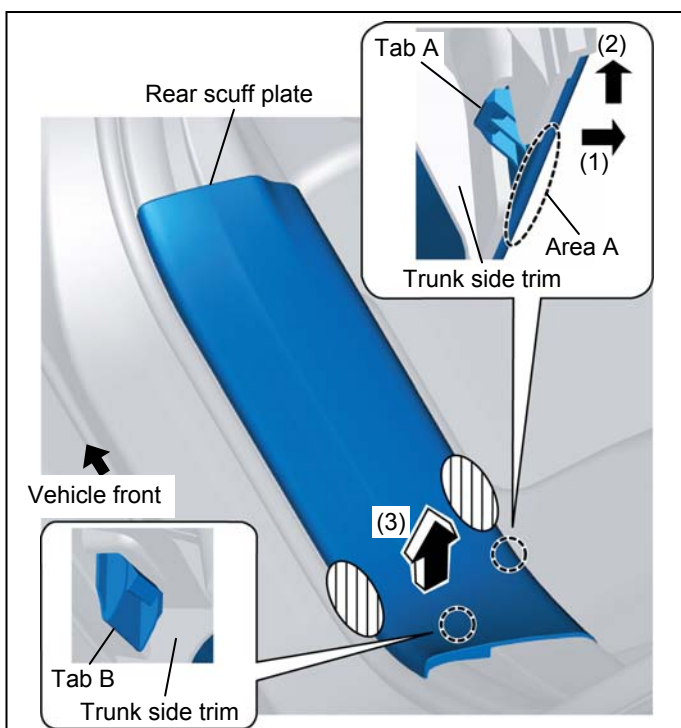


Driver's side rear scuff plate removal

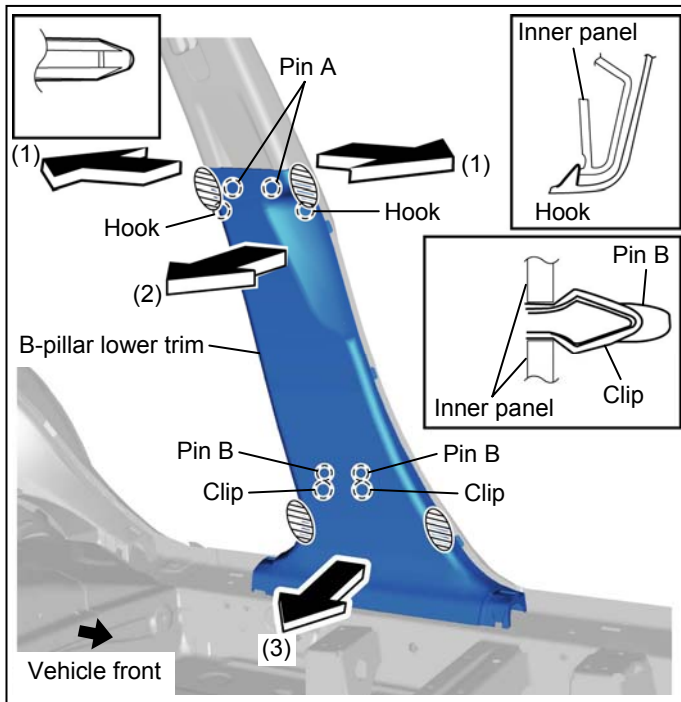
1. Hold area A shown in the figure, open the rear scuff plate in the direction of arrow (1), move it in the direction of arrow (2), and detach tab A of the rear scuff plate from the inner panel.
2. Hold the shaded area shown in the figure, move the rear scuff plate in the direction of arrow (3), and detach tab B of the rear scuff plate from the inner panel.



3. Hold the shaded area shown in the figure, move the rear scuff plate in the direction of arrow (1), detach clip A from the inner panel, and pull out the pins.
4. Hold the shaded area shown in the figure, move the rear scuff plate in the direction of arrow (2), detach clip B from the inner side sill, and pull out the pins.

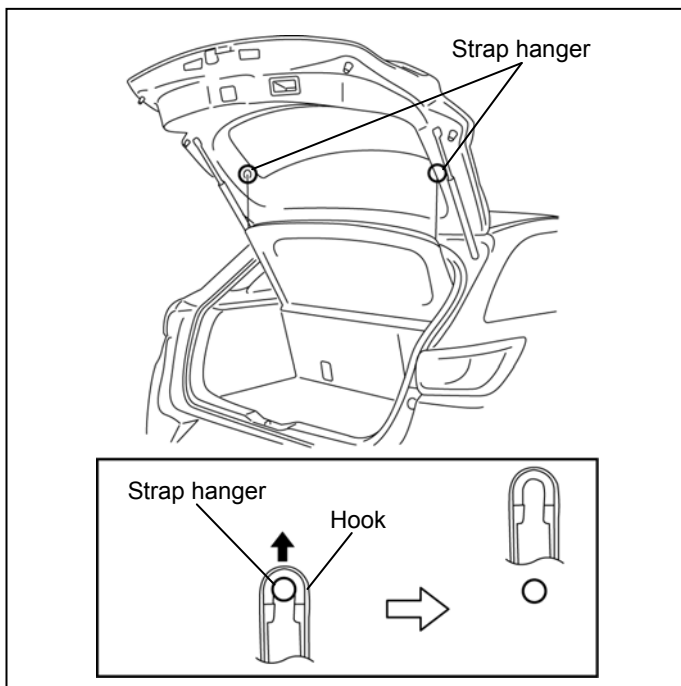


5. Hold area A shown in the figure, open the rear scuff plate in the direction of arrow (1), move it in the direction of arrow (2), and detach tab A of the rear scuff plate from the trunk side trim.
6. Hold the shaded area shown in the figure, move the rear scuff plate in the direction of arrow (3) and detach tab B of the rear scuff plate from the trunk side trim.
7. Remove the rear scuff plate.



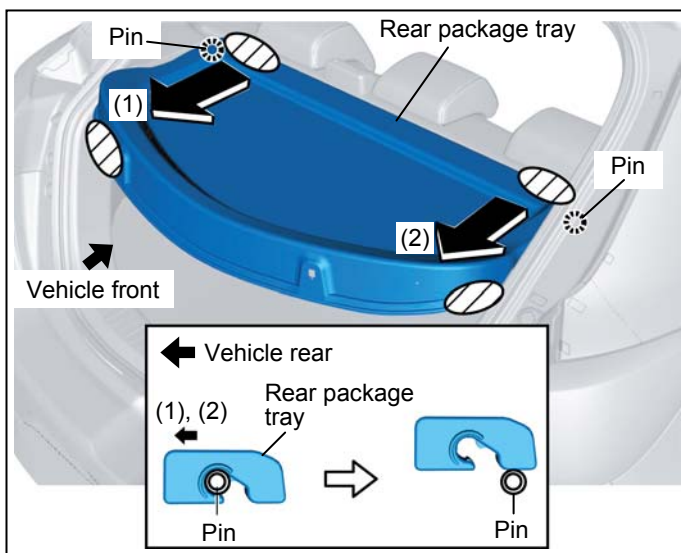
Driver's side B-pillar under trim removal

1. Partially peel back the seaming welt.
2. Grasp the shaded areas shown in the figure, and pull the B-pillar lower trim in the direction of the arrow in the order of (1), (2) while detaching hooks, pins A.
3. Grasp the shaded area shown in the figure, and pull the B-pillar lower trim in the direction of the arrow (3) while detaching the clips, pins B.

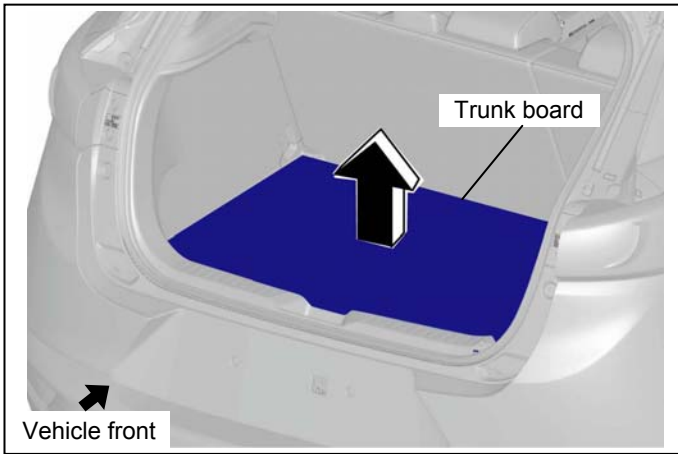


Rear package tray removal

1. Unhook the hooks from the strap hangers.

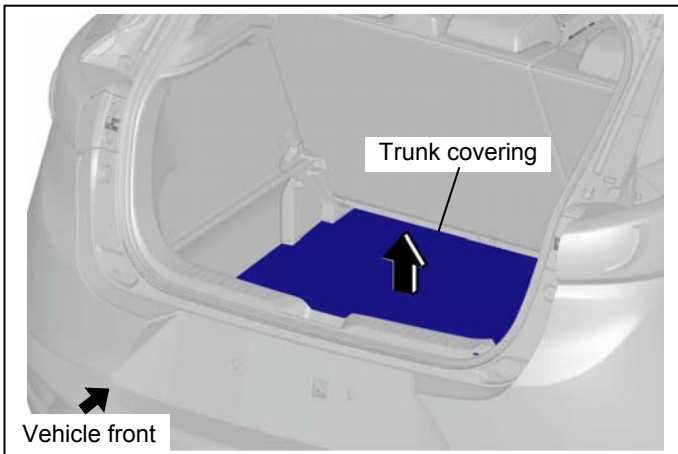


2. Hold the shaded area shown in the figure, pull the rear package tray in the order of arrows (1) and (2) and remove it from the pins.



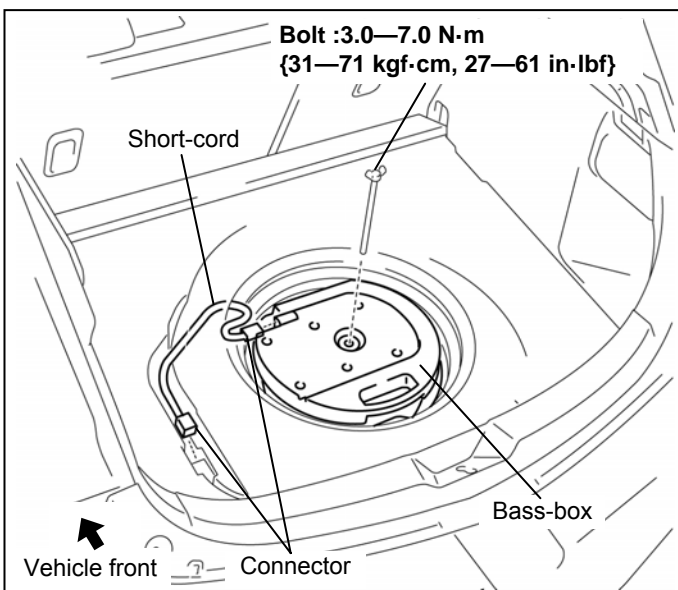
Trunk board removal

1. Remove the trunk board in the direction of arrow shown in the figure.



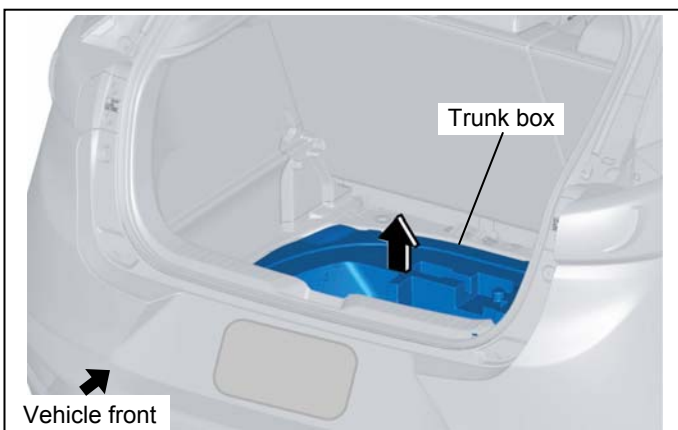
Trunk covering removal

1. Remove the trunk covering in the direction of arrow shown in the figure.



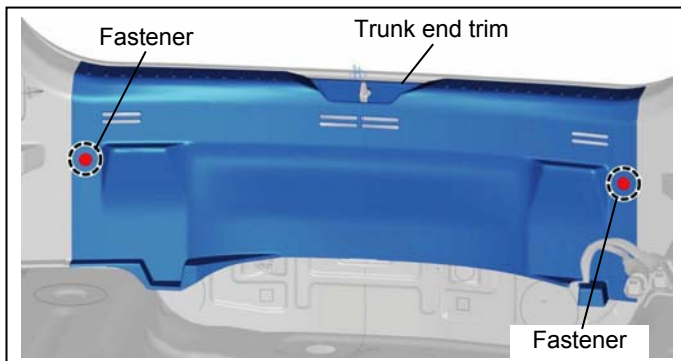
Bass-box removal (with Bose®)

1. Remove the short-cord.
2. Remove the bolt.
3. Remove the bass-box.



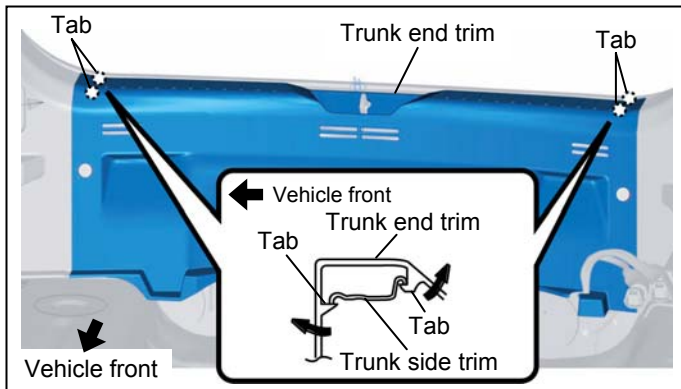
Trunk box removal

1. Remove the trunk box in the direction of arrow shown in the figure.

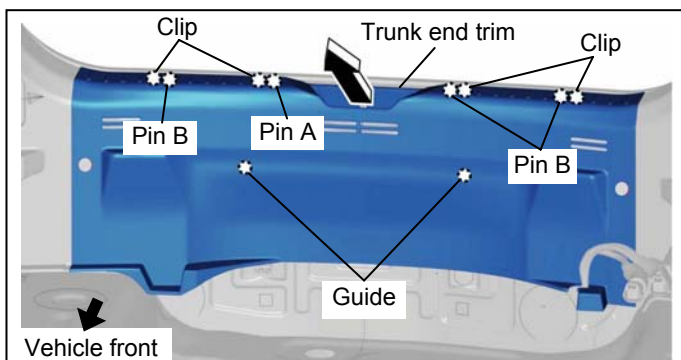


Trunk end trim removal

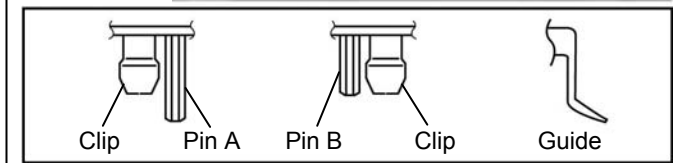
1. Partially peel back the weatherstrip.
2. Remove the fasteners.



3. Move the trunk end trim in the directions of the arrows shown in the figure and detach the trunk end trim tabs from the trunk side trim.

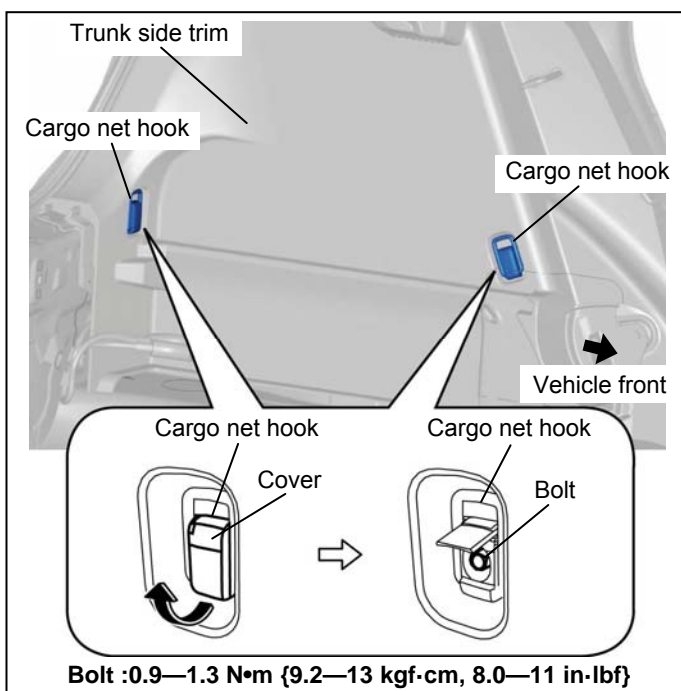


4. Move the trunk end trim in the direction of the arrow shown in the figure, remove it while detaching clips, pin A, pins B, and the guides.

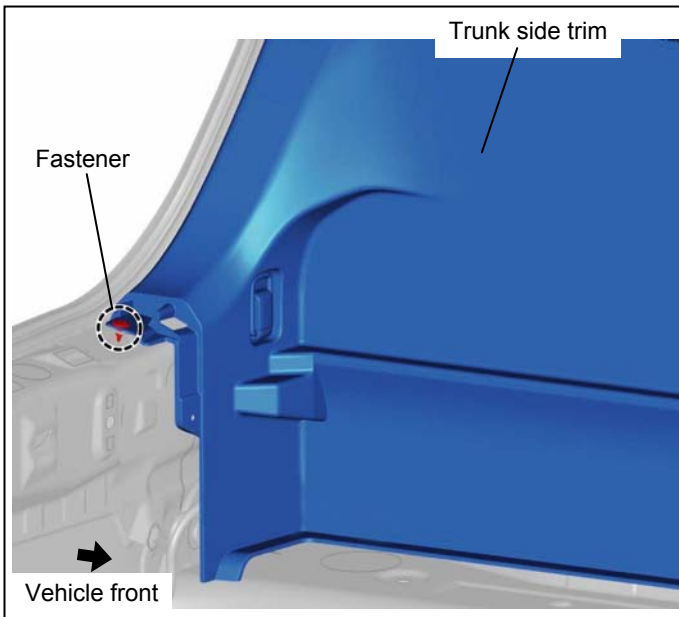


Driver's side trunk side trim removal

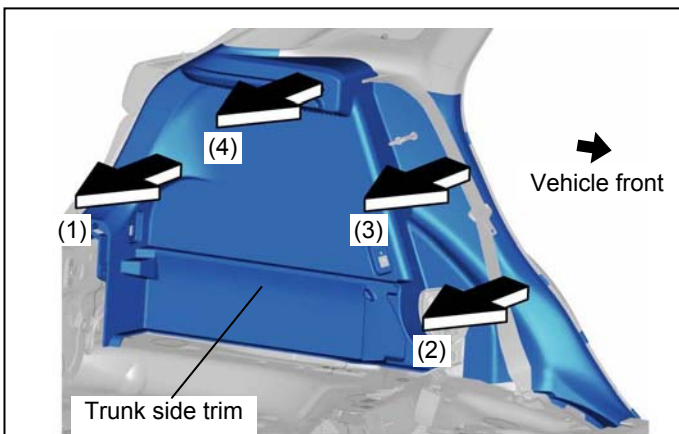
1. Peel back the rear door seaming welt and liftgate weatherstrip.
2. Pull up the cover in the direction the arrow shown in the figure.
3. Remove the bolt, then remove the cargo net hooks.



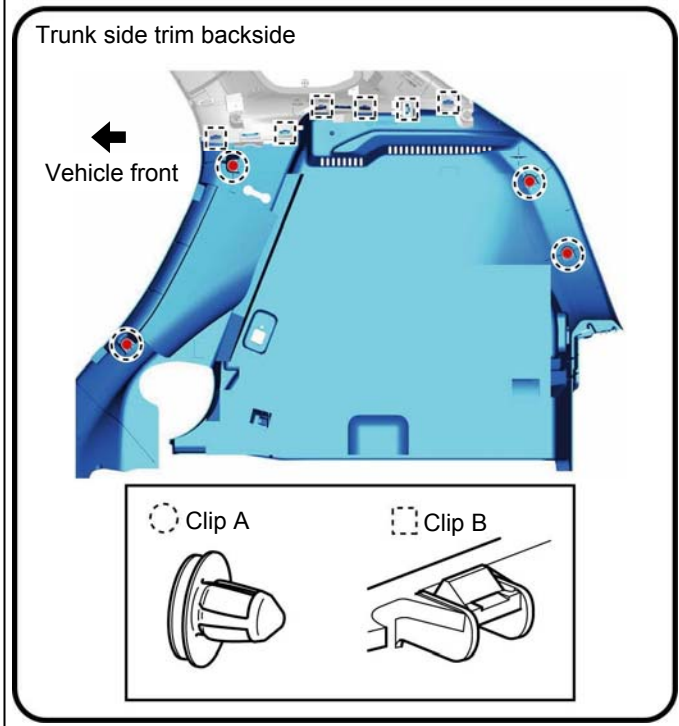
Bolt :0.9—1.3 N·m {9.2—13 kgf·cm, 8.0—11 in·lbf}

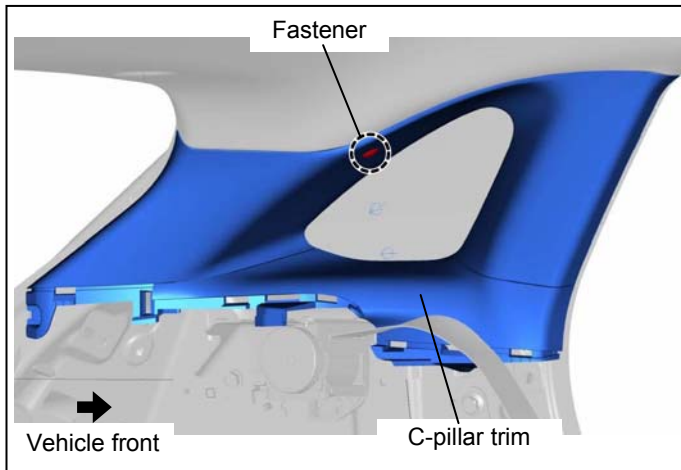


4. Remove the fastener.



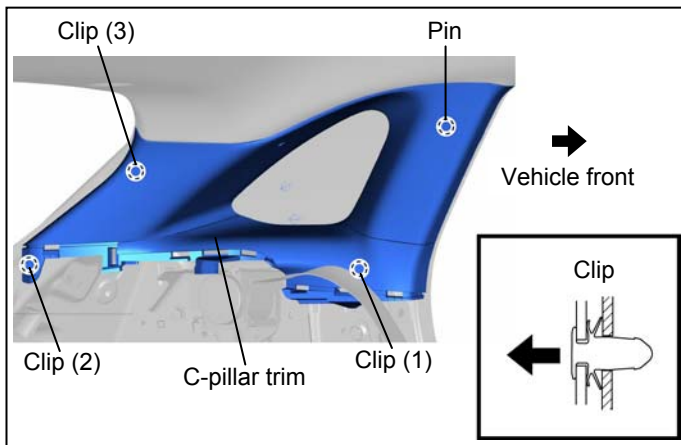
5. Pull the trunk side trim in the order of the arrows shown in the figure and detach clips A and B from the body or the C-pillar trim.



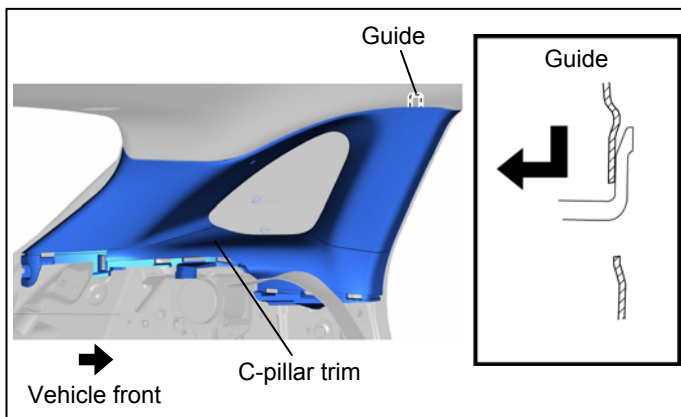


Driver's side C-pillar trim removal

1. Peel back the rear door seaming welt and liftgate weatherstrip.
2. Remove the fastener.



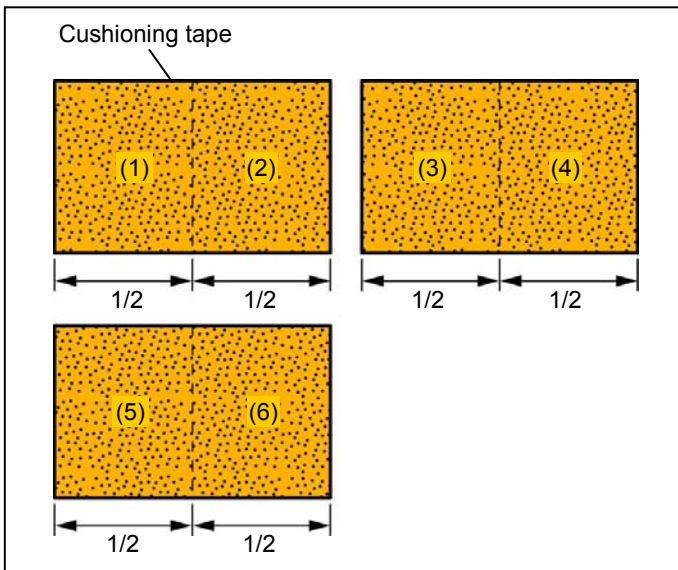
3. Detach the C-pillar trim clips in the order shown in the figure and pull out the pin from the body.



4. Move the C-pillar trim and detach the guide from the body in the direction of the arrow shown in the figure and remove the C-pillar trim.

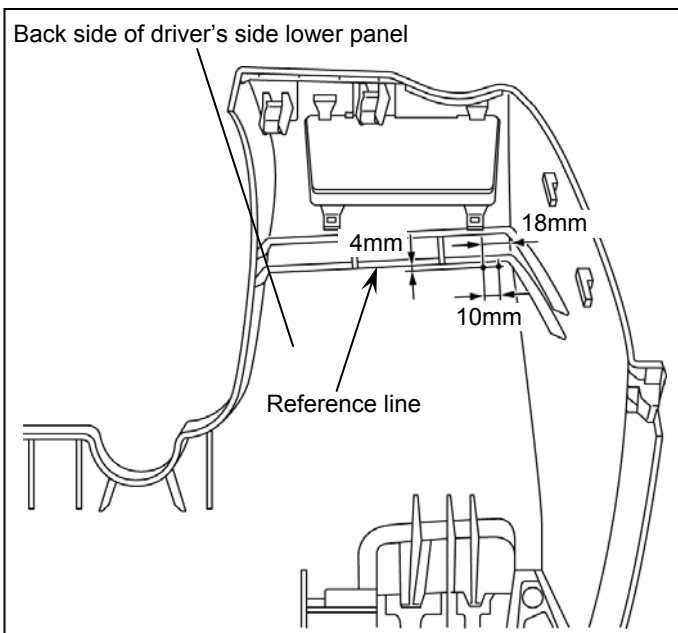
5. PREPARATION FOR INSTALLATION

■ Cutting the cushioning tape

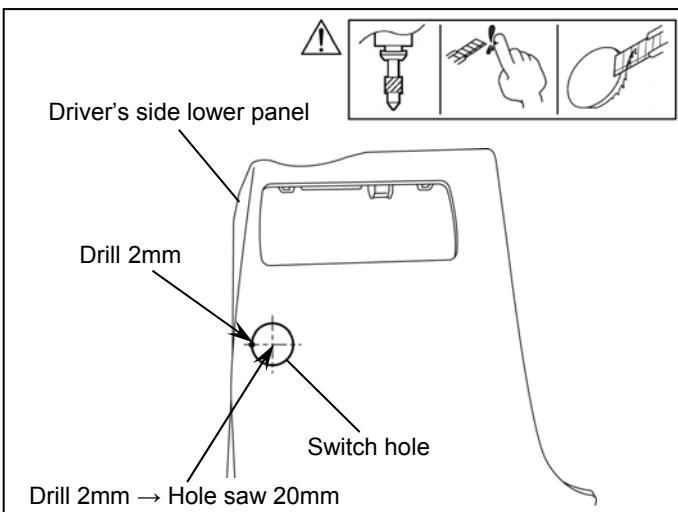


1. Cut the cushioning tape in half and number them as shown in the left figure.

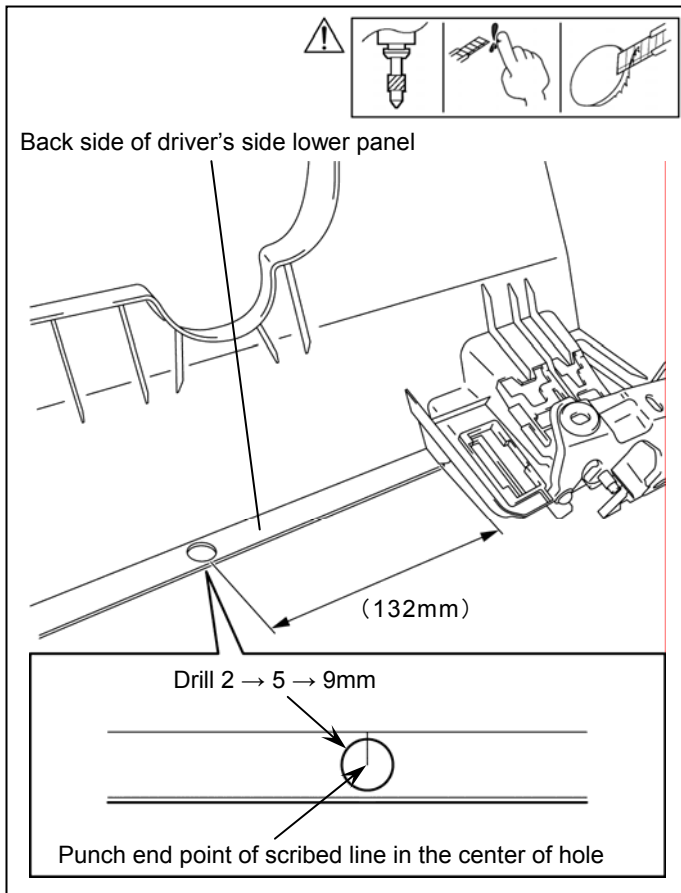
■ Lower panel (driver's side) processing



1. Make a drilling mark using a pin in the position shown in the figure on the left from the back side of the driver's side lower panel.
2. Using a pin, mark the center of the seal sensor and the notch processing hole.



3. Set the drill rotation to low speed.
4. Drill 2mm holes in two locations at the marked positions from the surface side of the driver's side lower panel.
5. Using a hole saw 20mm, drill the switch harness installation hole.



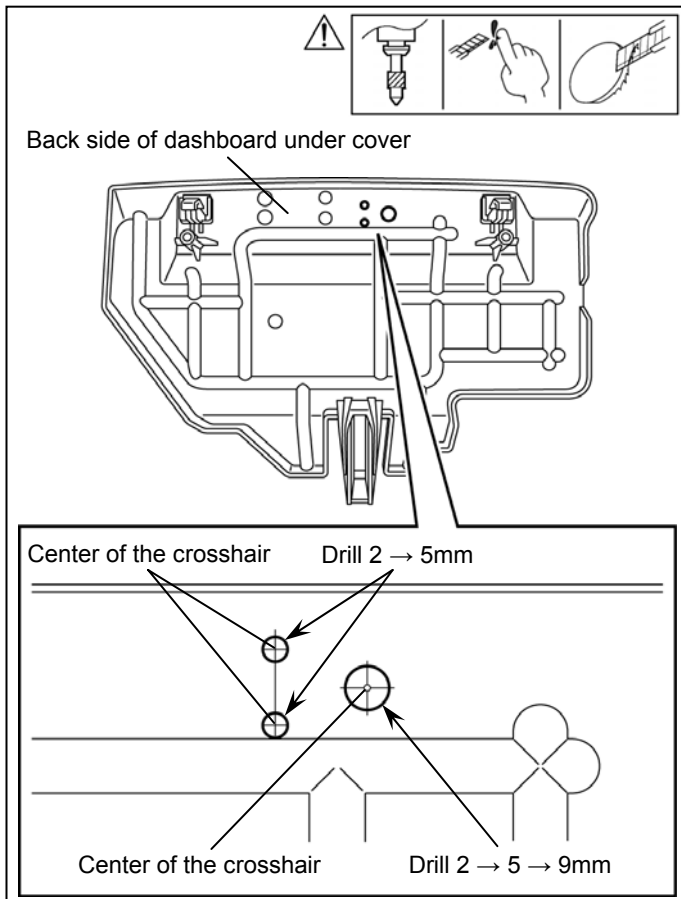
6. Make a hole marking by punching the end point of the scribed line with a pin on the backside of the driver's side lower panel at the position shown in the figure on the left.

CAUTION

- If the drilling position is not on center, the driver's side lower panel could be damaged when drilling. Mark the drilling position accurately.

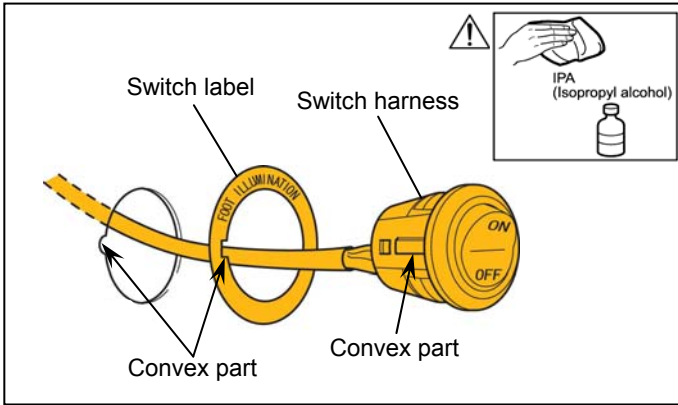
7. Drill the holes in the marked positions in the order of 2 → 5 → 9mm diam. from the back side of the driver's side lower panel.

■ Dashboard under cover processing

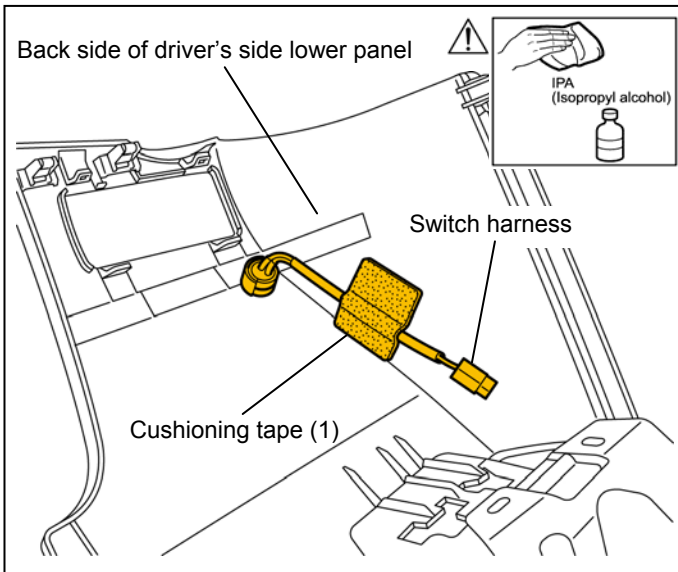


1. Mark the positions shown in the figure on the left by punching holes with a pin.
2. Drill holes in the order of 2 → 5 → 9mm diam. from the backside of the dashboard under cover.

■ Switch harness installation

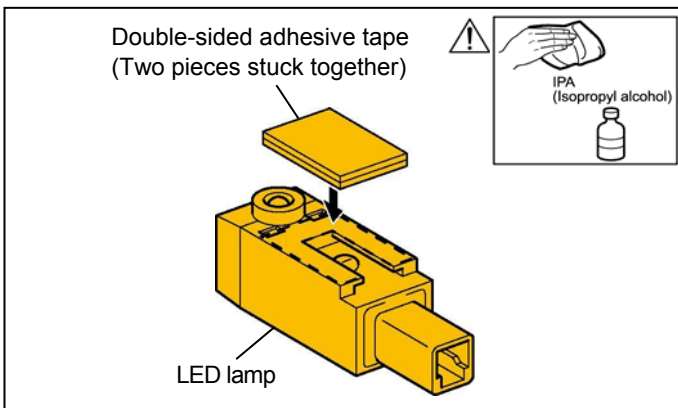


1. Remove the paper backing from the switch label and adhere the label to the front side of the driver's side lower panel.
2. Install the switch harness by passing it through from the surface of the driver's side lower panel.

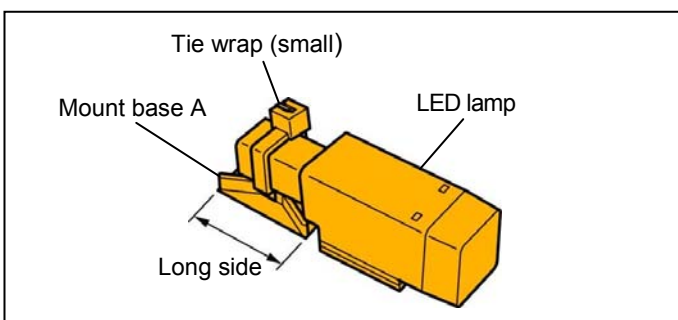


3. Secure the switch harness to the back side of the driver's side lower panel as shown in the figure on the left using cushioning tape (1).

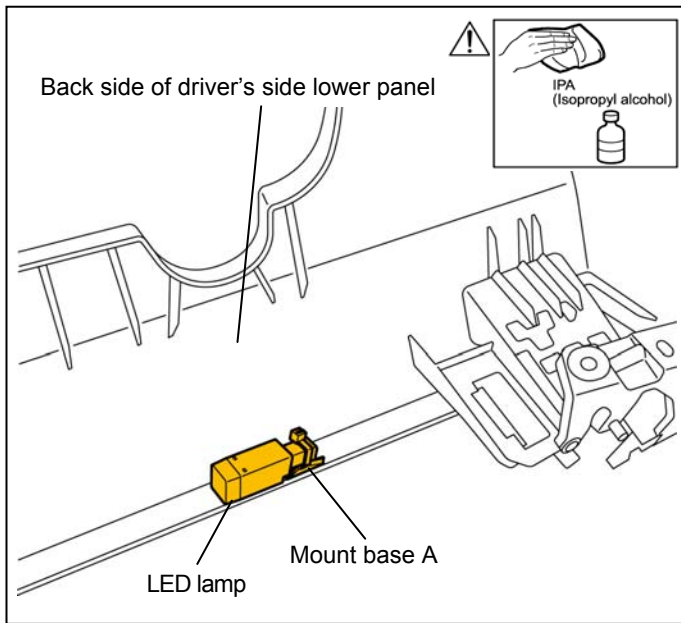
■ LED lamp (driver's side) installation



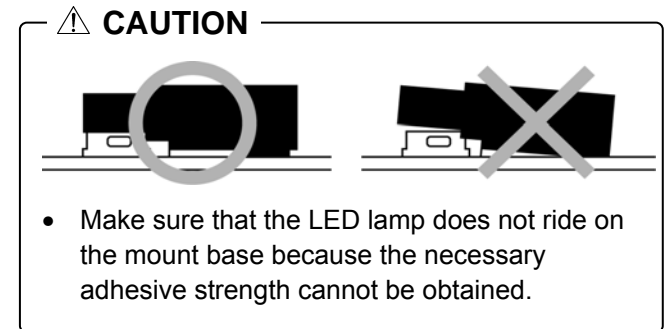
1. Affix the double-sided adhesive tape to the LED lamp as shown in the figure (Two pieces stuck together).



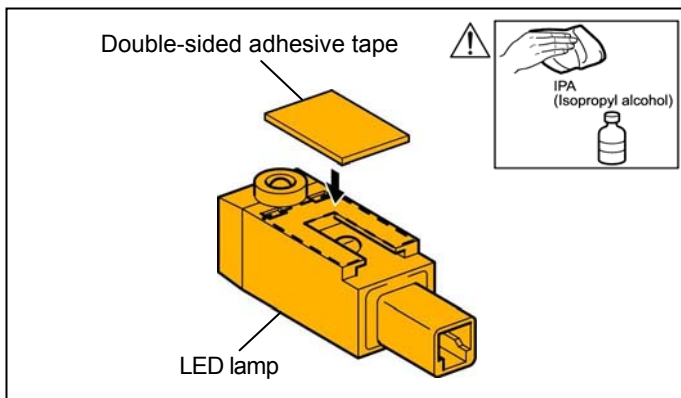
2. Pass a tie wrap (small) through mount base A and secure the LED lamp.



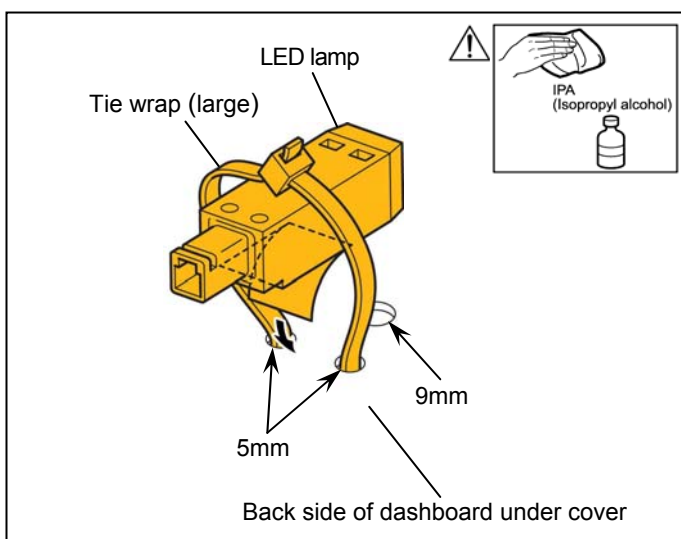
3. Peel off the paper backings of double-sided adhesive tape and the mount base A, align the LED lamp with the hole drilled (9mm diam.) in the driver's side lower panel and adhere the LED lamp.



■ LED lamp (passenger's side) installation

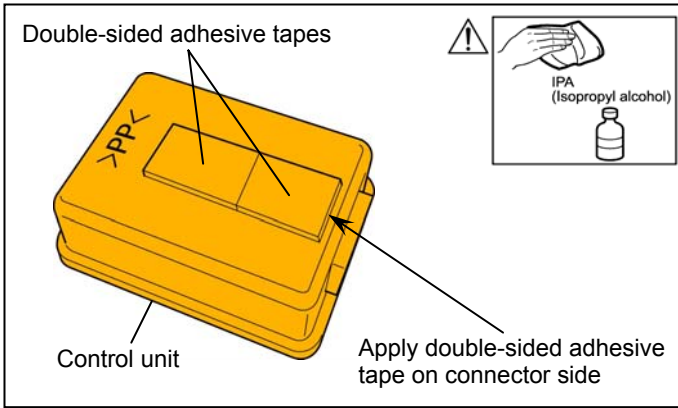


1. Affix the double-sided adhesive tape to the LED lamp as shown in the figure.

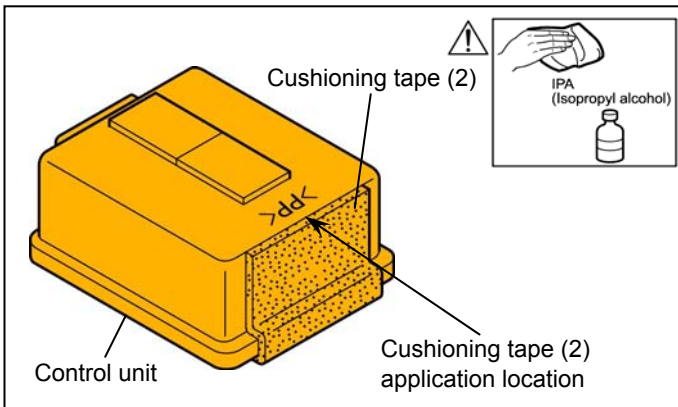


2. Peel off the backing from the double-sided adhesive tape, insert the light-emitting part of the LED (projection) through the 9.0mm hole of the dashboard under cover and affix. At this time, be careful that the 5.0mm holes are not covered by the LED lamp.
3. Route a tie wrap (large) through the 5.0mm holes and around the affixed part of the LED lamp and secure.

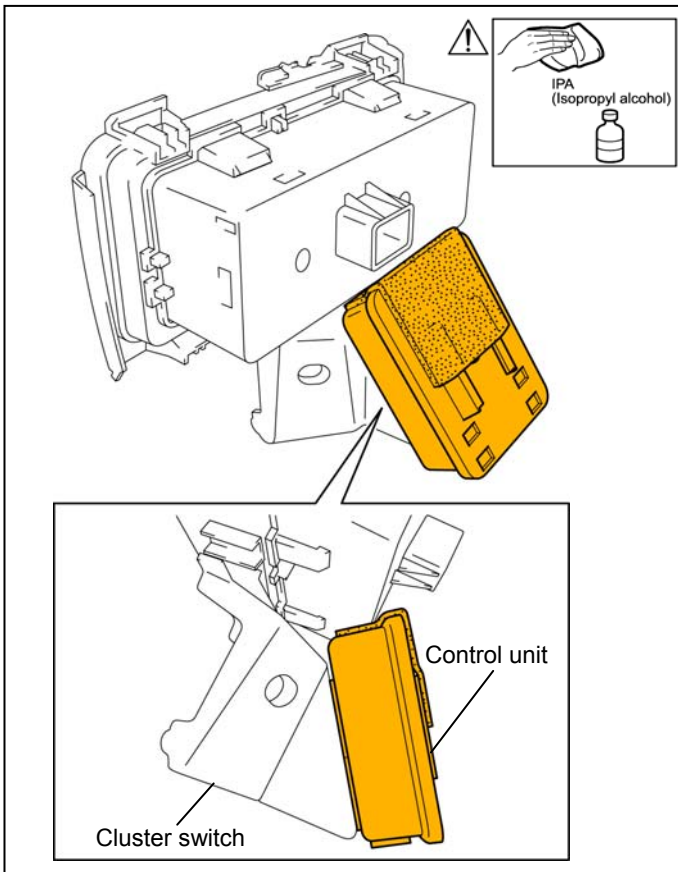
■ Control unit installation



1. Affix the double-sided adhesive tapes to the control unit as shown in the figure.



2. Apply cushioning tape (2) to the control unit.



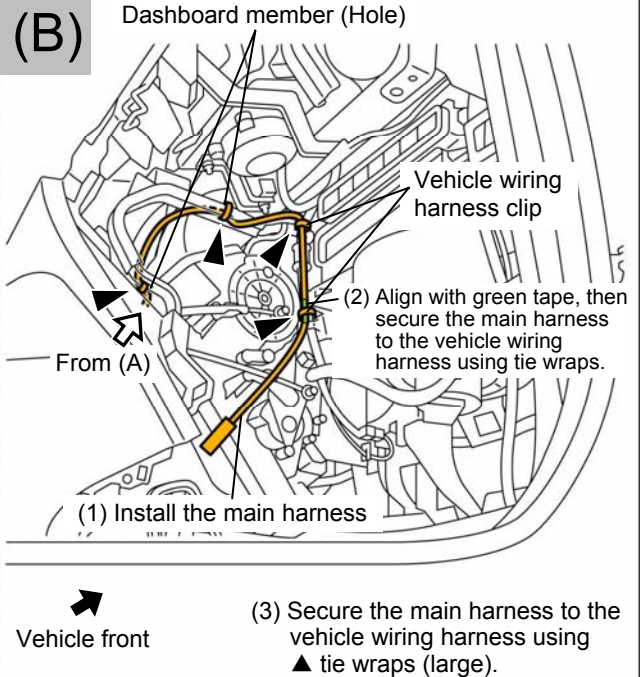
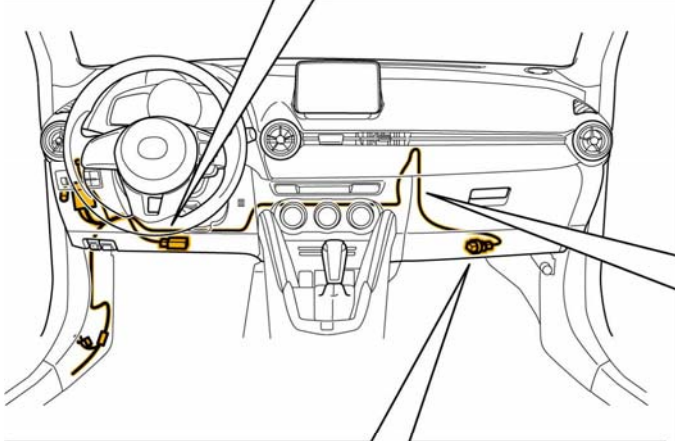
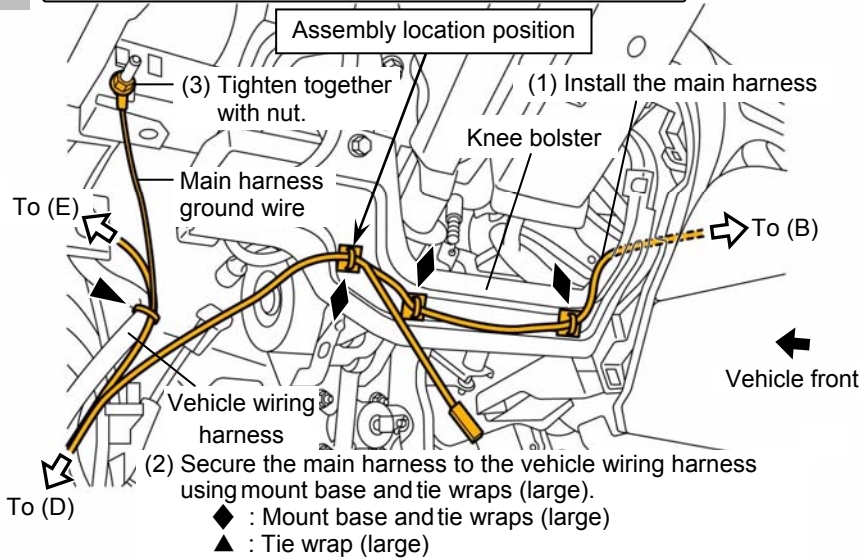
3. Install the control unit to the backside of the cluster switch.
4. Reinstall the cluster switch to the driver's side lower panel.

6. INSTALLATION OF HARNESES

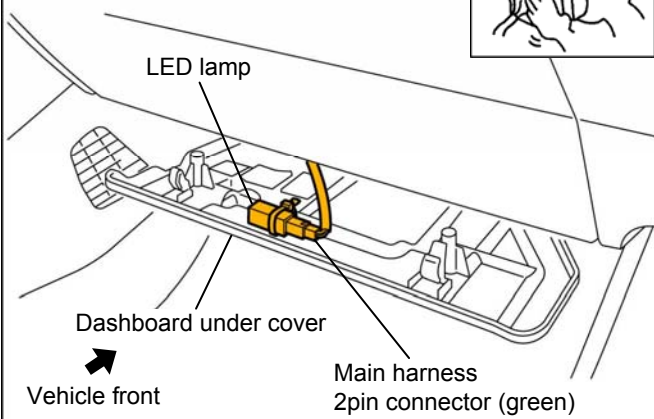
⚠ CAUTION

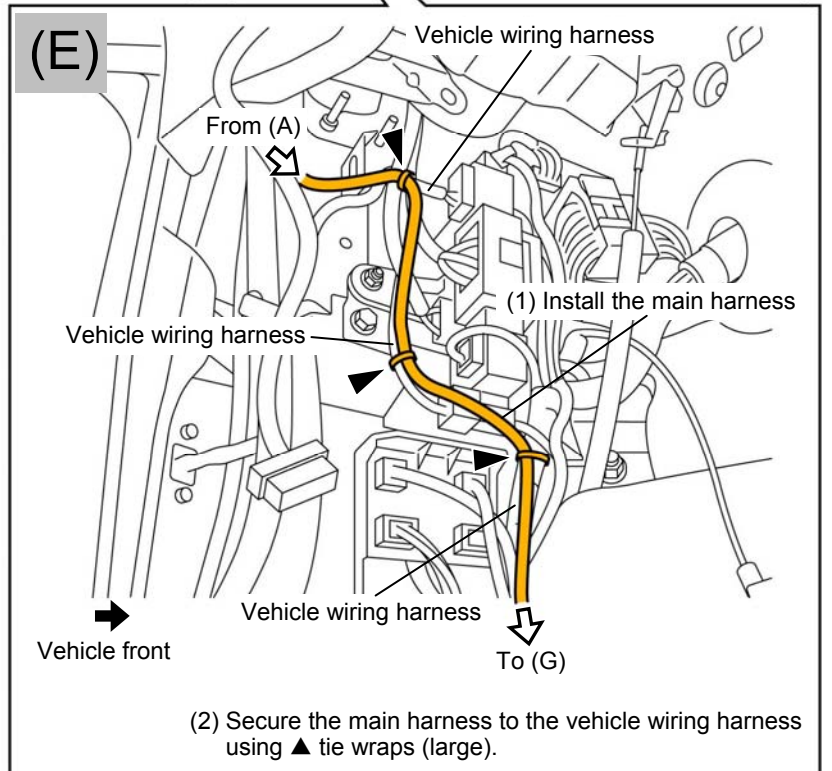
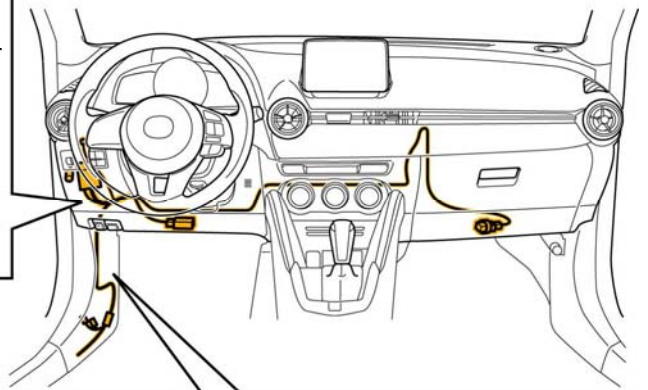
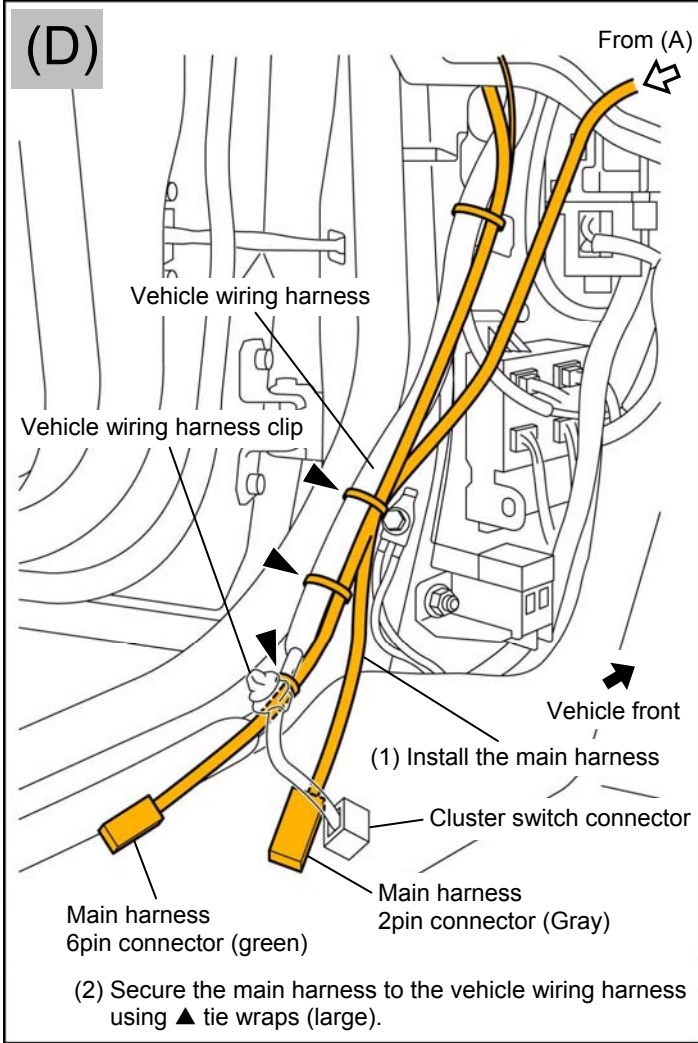
- Connect an electro-tap to the indicated signal line securely. Misconnection may cause a system or vehicle malfunction.
- Wrap the electro-tap area using cushioning tape to prevent the occurrence of abnormal noise.

(A) • Nut tightening torque : 8.8–12.7 N·m

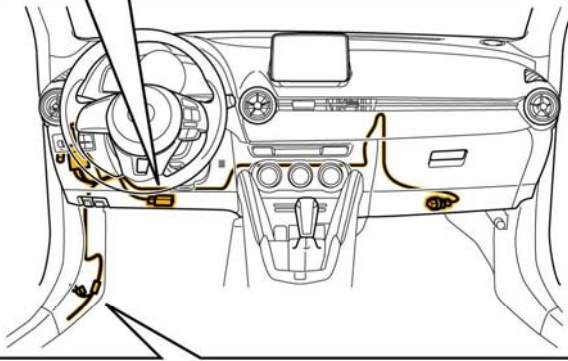
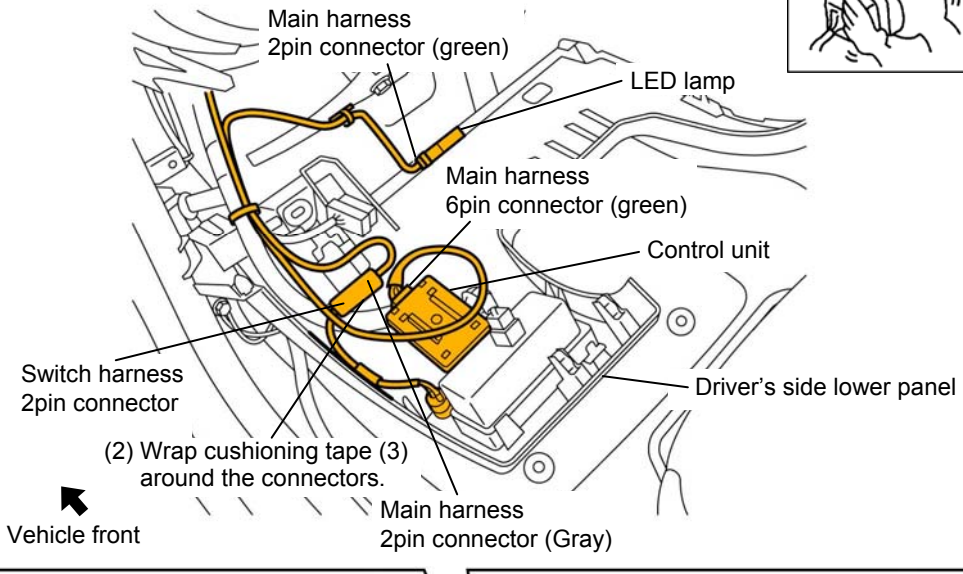


(C) Connect the main harness to the LED lamp (passenger's side).

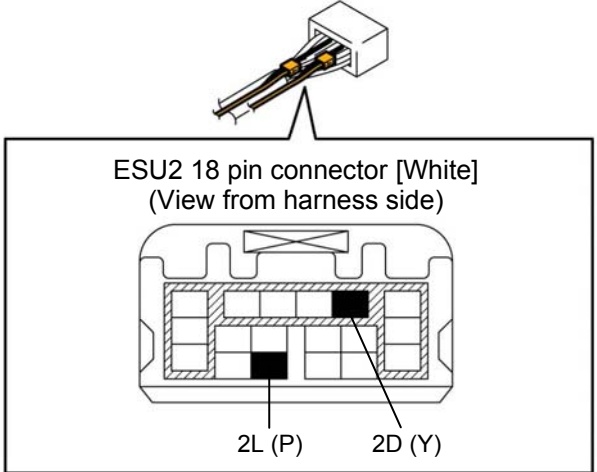




(F) (1) Connect the main harness to the LED lamp, control unit (Driver's side) and the switch harness.

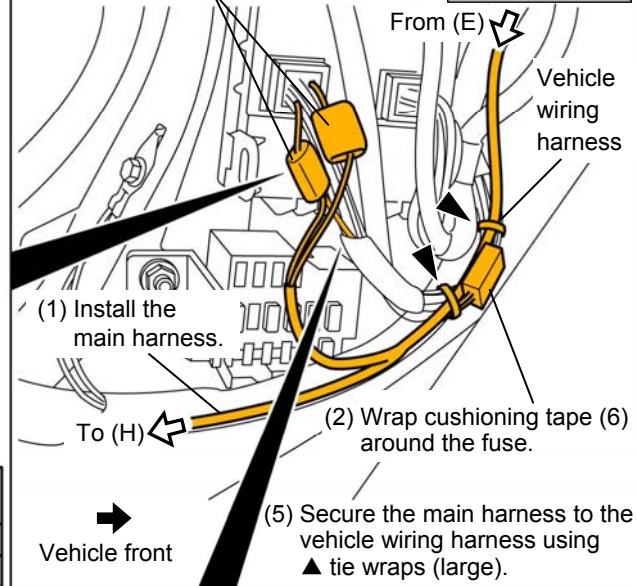


(G) (3) Connect each of the 2 wires of the main harness using an electro-taps.



Main harness wire color	Vehicle wiring harness wire color	Circuit
Pink	Red	Room
Yellow	Red	TNS

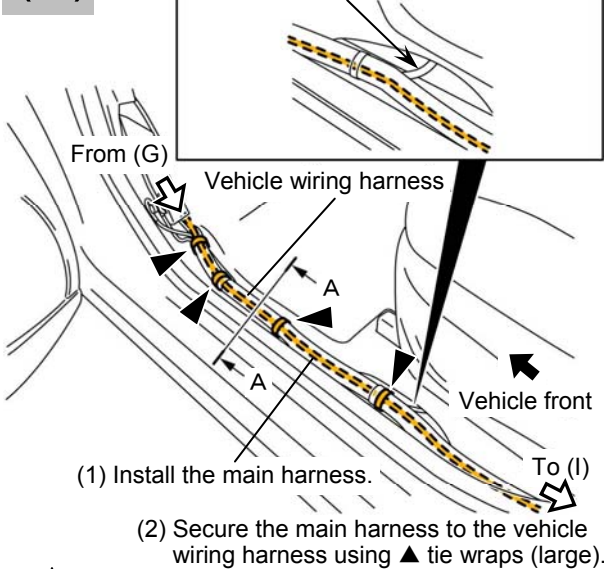
(4) Wrap cushioning tapes (4,5) around the electro-taps.



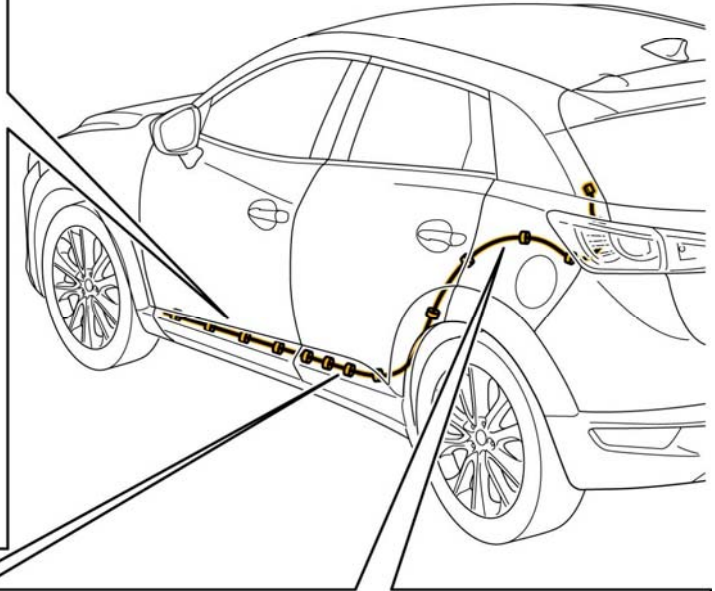
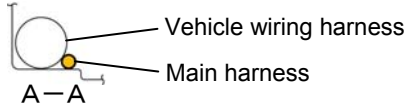
Cut the vehicle wiring harness tube.
30mm (0.1 ft)
※ After connecting electro-taps, wrap vehicle wiring harness and electro-taps together with cushioning tapes.

(H)

Pass main harness through lower side of vehicle wiring harness

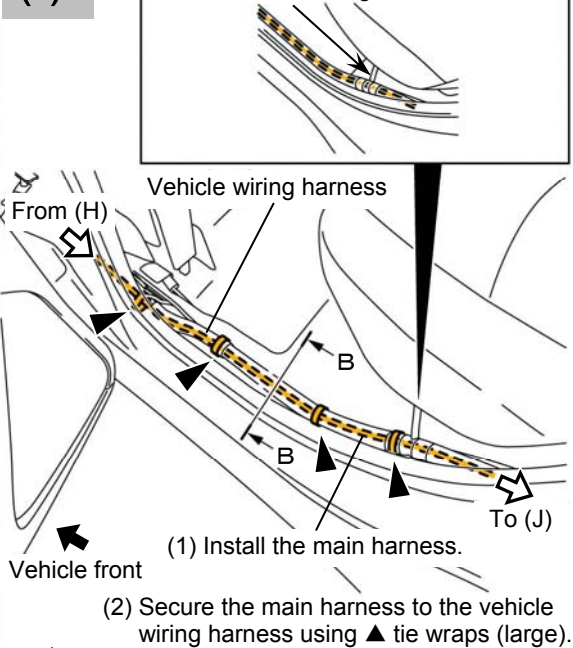


CAUTION

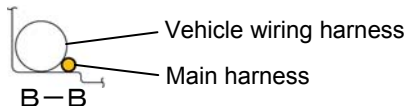


(I)

Pass main harness through lower side of vehicle wiring harness

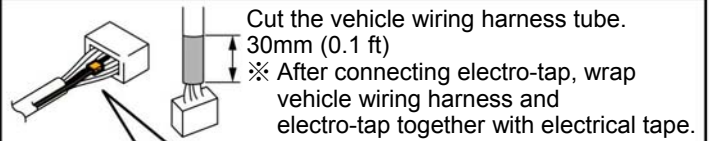


CAUTION



(J)

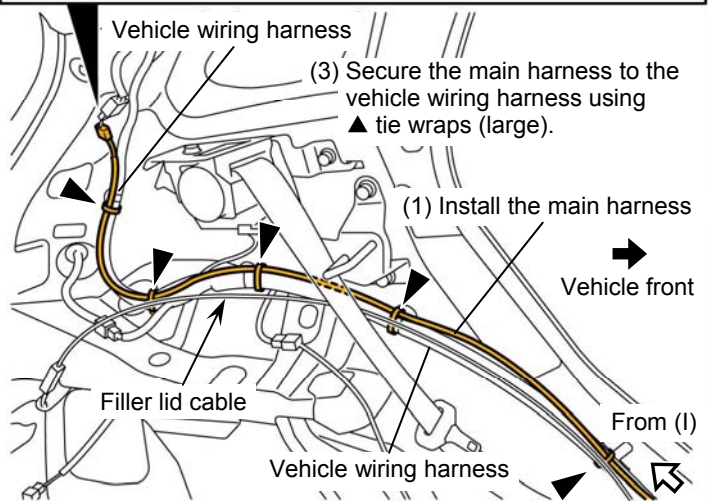
(2) Connect each of the wires of the main harness using an electro-tap.



4 pin connector [White]
(View from harness side)

B (G)

Main harness wire color	Vehicle wiring harness wire color	Circuit
Green	Violet	ROOM LAMP POWER



CAUTION

- When affixing the main wiring harness to the vehicle harness using a tie wrap, do not affix the harness together with the fuel filler lid opener cable.

7. OPERATION CHECK

1. Reinstall parts in the reverse order of the installation procedure in 【4.VEHICL E PARTS REMOVAL】 .
2. Refer to “Required servicing after disconnecting/connecting negative battery cable” in the vehicle workshop manual or the owner’s manual to restore the vehicle functions.
3. Perform reinstallation and inspection of the vehicle parts.