

GENUINE LOGO WELCOME LIGHT

INSTALLATION INSTRUCTIONS


Thank you for purchasing a Genuine Mazda Accessory.

Before installation, **please thoroughly read these instructions.**

For your safety, please read the contents of this booklet to properly install and care for the Logo Welcome Light. 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 the Logo Welcome Light. 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.

- Do not modify the Logo Welcome Light.
- Do not install the Logo Welcome Light 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.

PART NAME: Logo Welcome Light

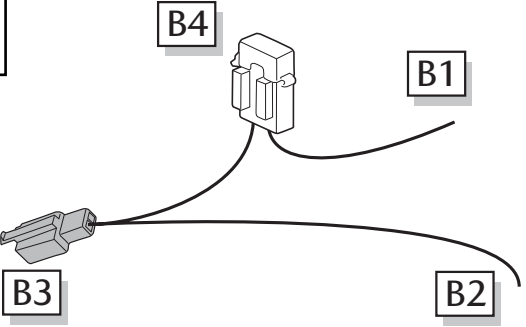

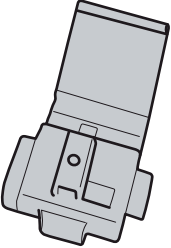
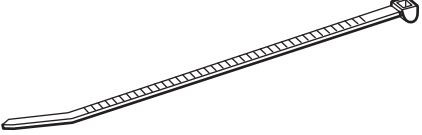
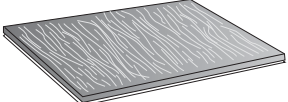

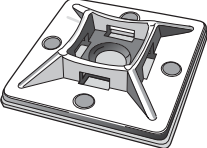
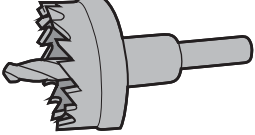
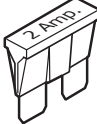
PART NUMBER: KMV6-V4-590



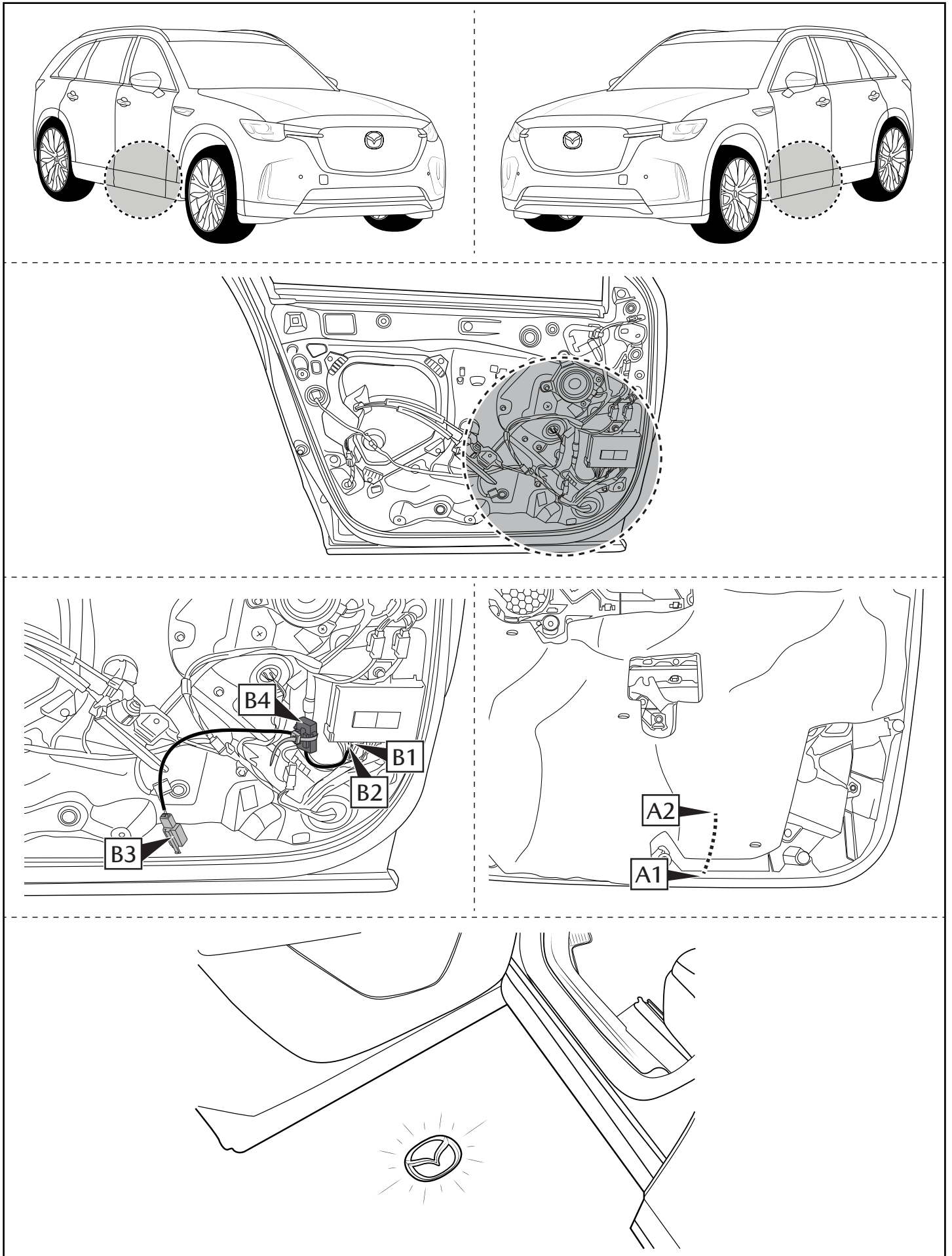
mazda

1. PARTS

Verify that this kit includes all the following parts and that the parts are not damaged.

| | | | | | | | |
|---|---|----|---|---|--|---|---|
| A | KR9P-V4-595 | B |  | | | | |
|  2x | | 2x | | | | | |
| C |  4x | D |  16x | E |  6x | | |
| F |  1x | G |  4x | H |  1x | H |  2x |

2. INSTALLATION VIEW



3. BEFORE INSTALLATION

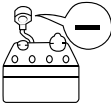
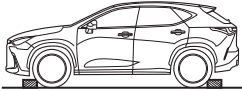



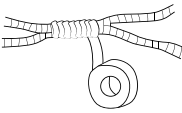
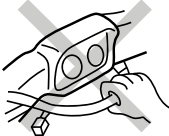
REQUIRED TOOLS

- ☆ Nylon trim remover
- ☆ Trim clip remover / tack puller
- ☆ Philips screwdriver
- ☆ Small scale ruler
- ☆ Flathead screwdriver
- ☆ Ratchet
- ☆ 10mm socket
- ☆ Pliers
- ☆ Power Drill
- ☆ Deburring Tool
- ☆ Center Punch
- ☆ Small utility knife

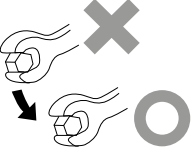
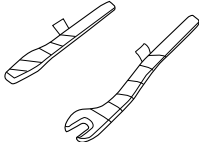
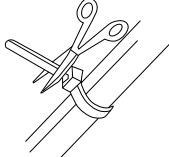
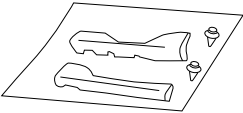
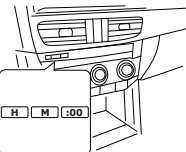


OTHER PREPARATIONS

- ☆ Eye protection
- ☆ IPA (Isopropyl alcohol)
- 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 figure. Make sure to follow these procedures as well.

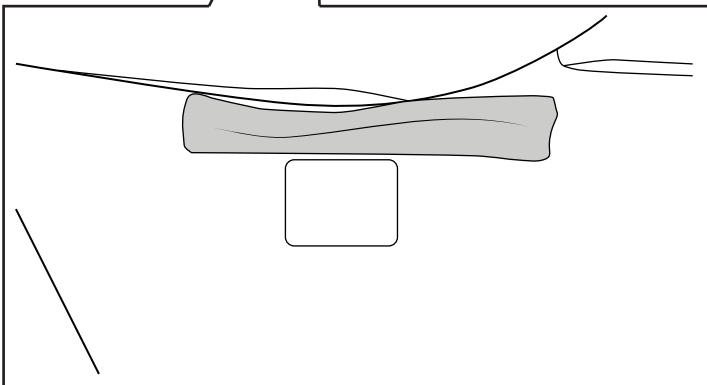
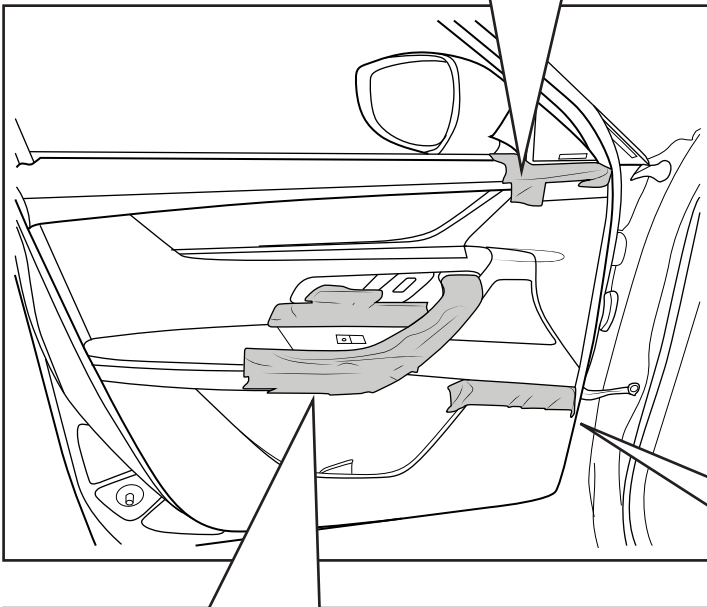
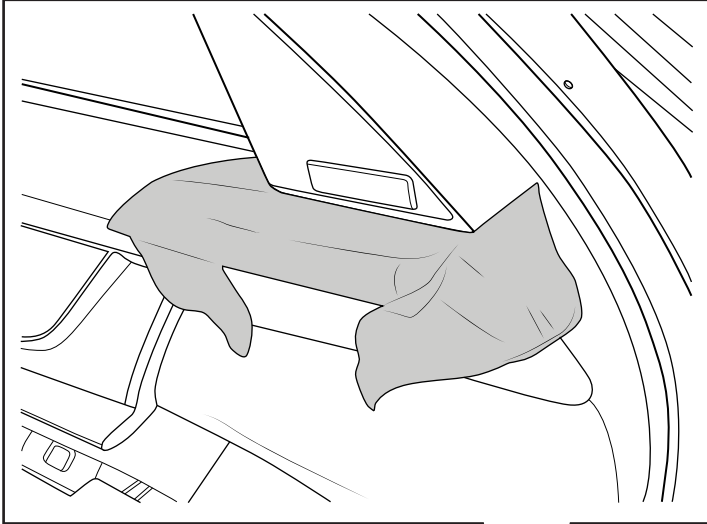
WARNING

| | | | |
|---|---|---|---|
| <p>When the negative battery is connected during operation, may cause electric shock or other personal injuries. Disconnect the negative cable before installation.</p> | <p>Before performing any work, park the vehicle on level ground, apply the parking brake securely, and then block the wheels.</p> | <p>Be careful when handling drills and other sharp objects. If not handled properly, it could result in serious injury.</p> | <p>When connecting/disconnecting connectors, grasp the connectors, not the wires. Otherwise a short, and an accident from poor contact or fire may occur.</p> |
|  |  |  |  |
| <p>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.</p> | <p>Secure the harness with the band (part included) so it doesn't dangle. If not, it may cause a short, accident, or fire.</p> | <p>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.</p> | |
|  |  |  | |

CAUTION

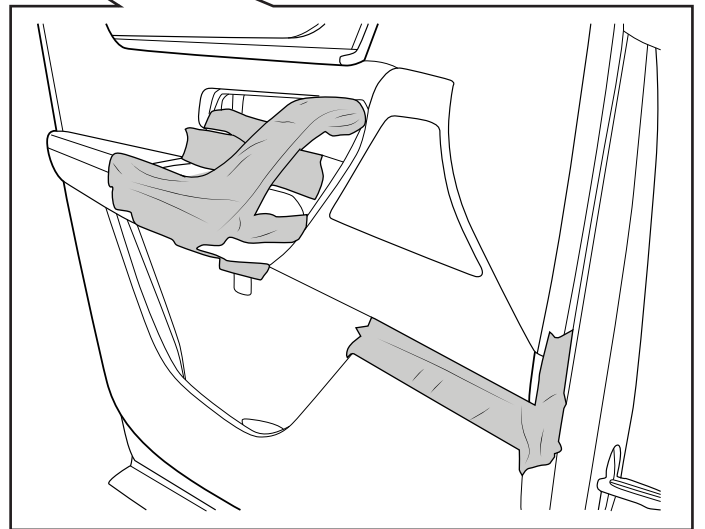
| | | | |
|--|---|---|---|
| <p>Using improper tools may cause damage and / or broken parts. Use the correct tool for the job.</p> | <p>Wrap protective tape around Screwdrivers and fastener remover tools to prevent scratching the vehicle.</p> | <p>Excessive length of tie wrap may interfere with other parts and cause damage.</p> | <p>Put the removed parts and the parts in the kit on the protective sheet to prevent scratches.</p> |
|  |  |  |  |
| <p>When the negative battery cable is removed, the initial value or memory for the power windows, clock, i-stop, steering angle sensor reference point will be cleared. Perform re-initialization.</p> | <p>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).</p> | <p>If tape or a mount base is readhered, the adhesive strength will be weakened. Before adhering, accurately determine the adhesion position.</p> | |
|  |  |  | |

4. PREPERATION: DOOR TRIM REMOVAL

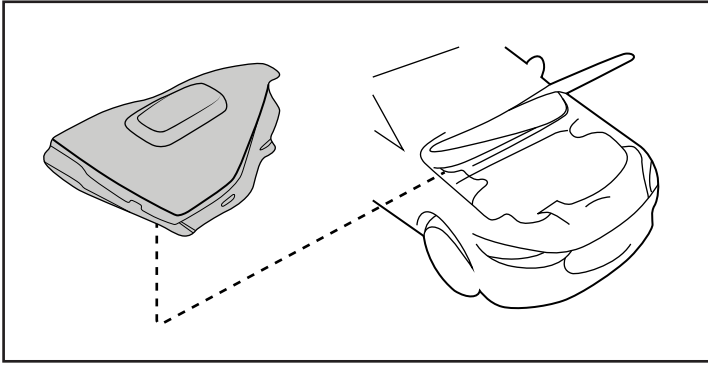


Door Trim Protection

1. Affix protective tape to the positions shown in the figures.
2. Tape must be applied as shown prior to the removal of any door trim parts.
3. Tape can be removed at the end of the installation after the door trim has been completely reassembled.



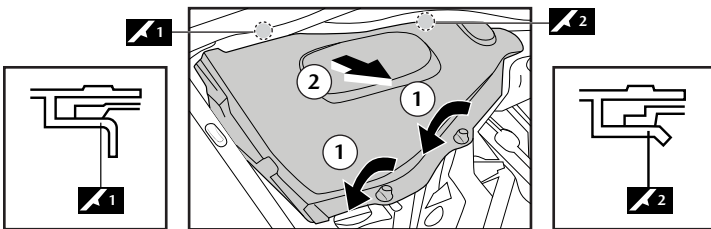
5. DOOR TRIM REMOVAL



Remove Cover Assembly (Right Side)

1. Remove using the procedure shown in the figure.

| Step | Part name | Applicable condition |
|------|---|----------------------|
| 1 | Cover assembly (See Cover assembly removal note.) | All models |



Cover assembly removal note

1. Remove the cover assembly as shown in the figure.

| Symbol | Content |
|---------|---------------------|
| ① ② ... | Servicing procedure |

Disconnect Negative Lead-Acid Battery Terminal

Warning

- Contact with the positive lead-acid battery terminal could cause electrocution due to a short circuit and result in serious injury or death, or damage to vehicle parts. Do not contact the positive lead-acid battery terminal when performing the procedure.

Caution

- If the nut for the current sensor is loosened with the negative lead-acid battery terminal connected to the lead-acid battery, excessive torque will be applied to the negative lead-acid battery terminal and the lead-acid battery terminal will be damaged. When removing the negative lead-acid battery terminal and current sensor, be careful not to damage the lead-acid battery terminal.
- Be careful not to contact the positive lead-acid battery terminal.

1. Verify that the charge cable is not connected to the charging port.

- If the charge cable is connected to the charging port, remove the charge cable.

2. Keep the driver's door open.

3. Keep the main power switched ON (READY on) for 3 seconds or more.

4. Switch the main power OFF and start measuring the time since the main power was switched OFF using a stopwatch.

Caution

- If the cooling fan does not stop after 5 minutes have elapsed since the main power was switched OFF, wait until it stops.
- If the [Battery cooling] operation notification is displayed on the center display, do not make a selection and leave it as it is.

5. Switch the main power OFF and wait for 5 min.

Warning

- Before servicing after disconnecting the negative lead-acid battery terminal, wait for 1 min or more.

Caution

- If the time since the main power was switched OFF in Step 5 to the disconnection of the negative lead-acid battery terminal exceeds 25 min, perform the procedure from Step 3 again.

Note

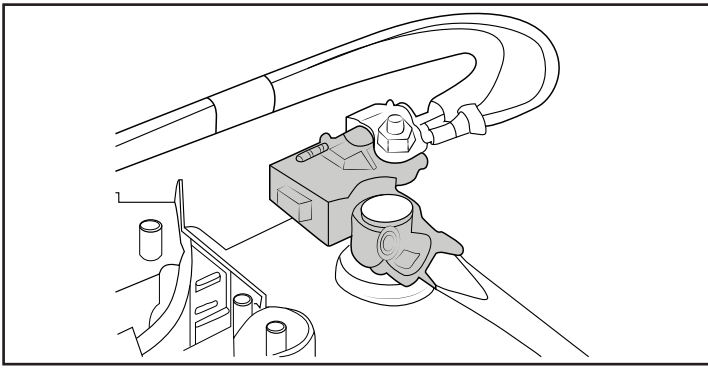
- In order to prevent it from falling off, the negative lead-acid battery terminal nut cannot be removed.
- After the negative lead-acid battery is disconnected, there is no restriction on opening/closing the door.

6. Disconnect the negative lead-acid battery terminal within 25 min from switching the main power OFF in Step 5 using the following procedure.

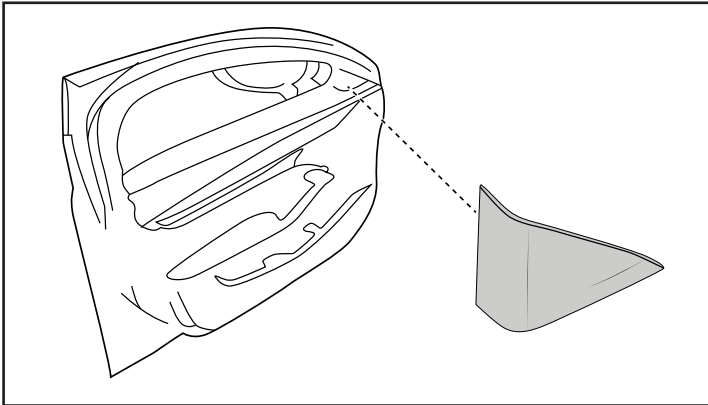
(1) Disconnect the current sensor connector.

(2) Disconnect the negative lead-acid battery terminal.

- When disconnecting a negative lead-acid battery terminal with deformed plastic, expand the gap of the negative lead-acid battery terminal using a flathead screwdriver, and remove the terminal.



Disconnect Negative Lead-Acid Battery Terminal

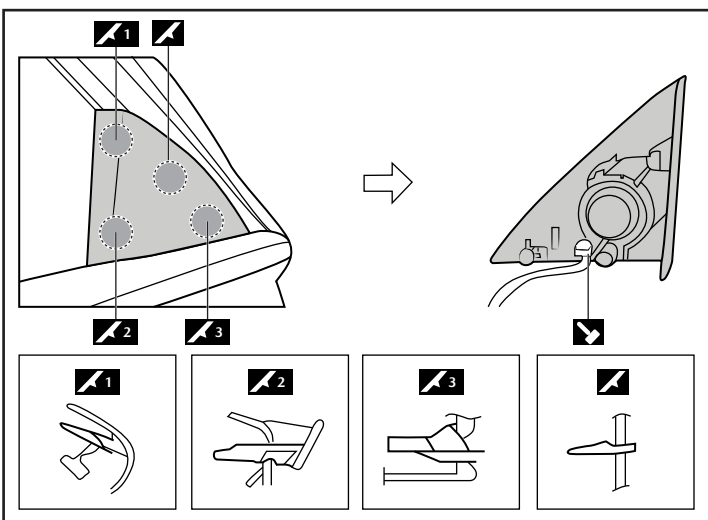


Instructions for Driver side are the same for Passenger side

Remove Driver Side Inner Garnish

1. Remove using the procedure shown in the figure.
 - The figure shows the left side (same as right side).

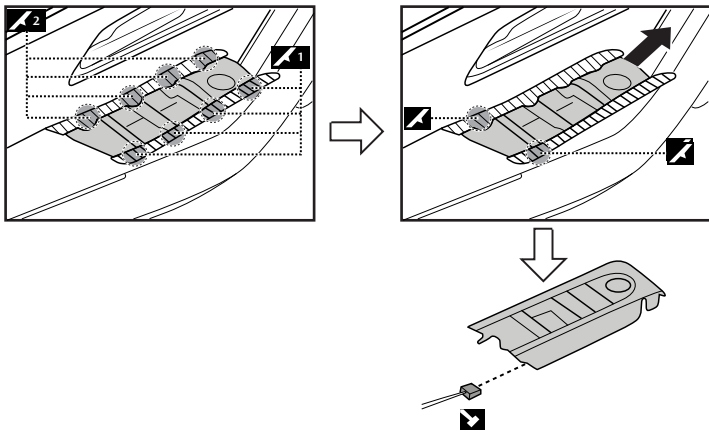
| Step | Part name | Applicable condition |
|------|---|----------------------|
| 1 | Inner garnish (See Inner garnish removal note.) | All models |



Inner garnish removal note

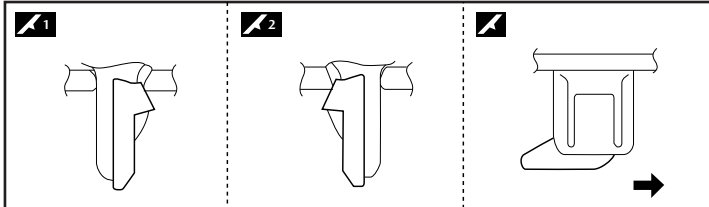
1. Remove the inner garnish as shown in the figure.
 - The figure shows the left side (same as right side).
 - Disconnect the cable

| Symbol | Content |
|--------|-----------------|
| | Electrical Plug |

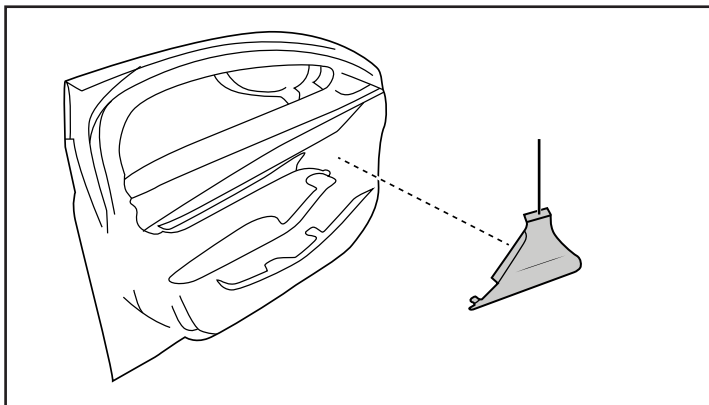


Power window main switch component removal note

1. Remove the power window main switch component as shown in the figure.
2. Disconnect the cable.



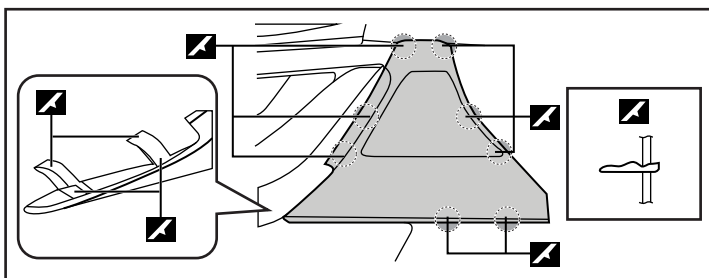
| Symbol | Content |
|--------|--------------------------------------|
| | Protective tape attachment positions |



Remove Driver Side Front Door Speaker Grille

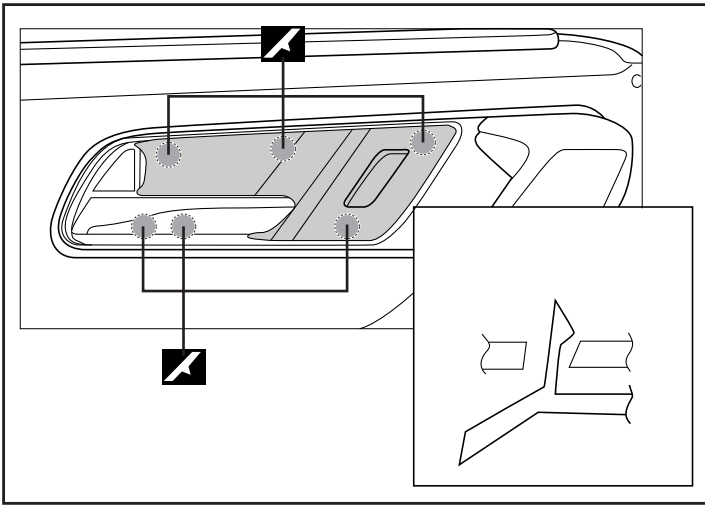
1. Remove using the procedure shown in the figure.
 - The figure shows the left side (same as right side).

| Step | Part name | Applicable condition |
|------|---|----------------------|
| 1 | Driver side front door speaker grille (See Front door speaker grille removal note.) | All models |



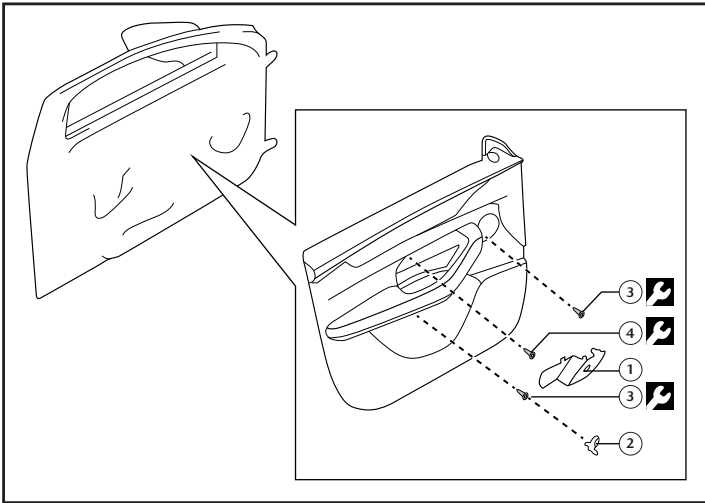
Front door speaker grille removal note

1. Remove the front door speaker grille as shown in the figure.
 - The figure shows the left side (same as right side).




Inner handle and cover removal note

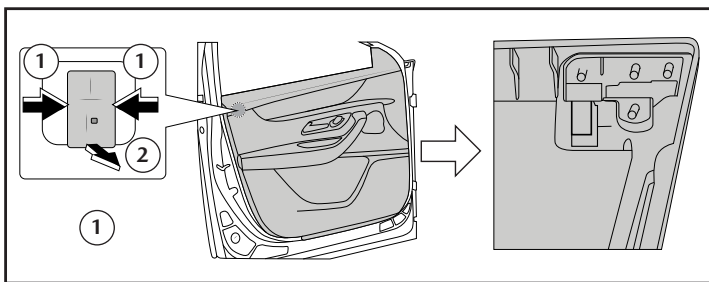
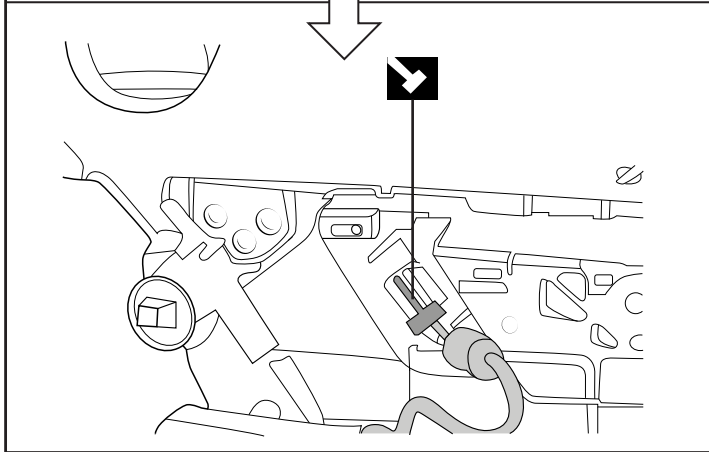
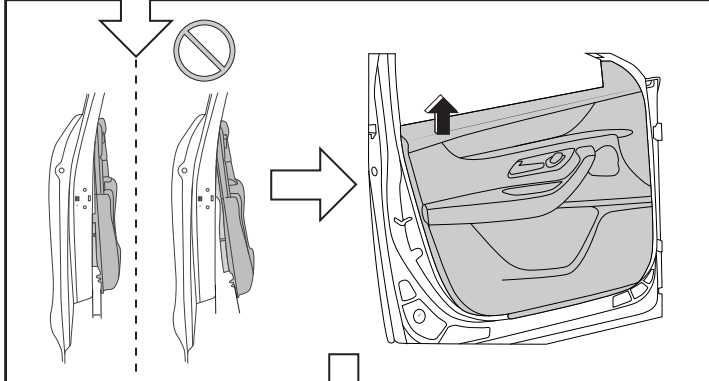
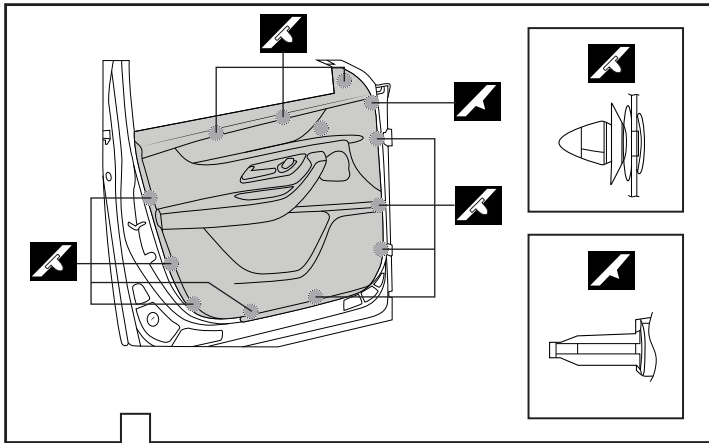
1. Remove the inner handle cover as shown in the figure.
 - The figure shows the left side (same as right side).



Remove Driver Side Front Door Trim

1. Remove using the procedure shown in the figure.
 - The figure shows the left side (same as right side).

| Step | Part name | Applicable condition |  |
|------|--|----------------------|---|
| 1 | Inner handle cover (See Inner handle and cover removal note.) | All models | — |
| 2 | Hole cover | All models | — |
| 3 | Screw | All models | 2 N·m {21 kgf·cm, 19 in·lbf} |
| 4 | Screw | All models | 1.5 N·m {15 kgf·cm, 13 in·lbf} |
| 5 | Front door trim (See Front door trim removal note.) | All models | — |



| Symbol | Content |
|---------|---------------------|
| ① ② ... | Servicing procedure |

Front door trim removal note

1. Remove the front door trim as shown in the figure.
 - The figure shows the left side (same as right side).

2. Disconnect the electrical cables.

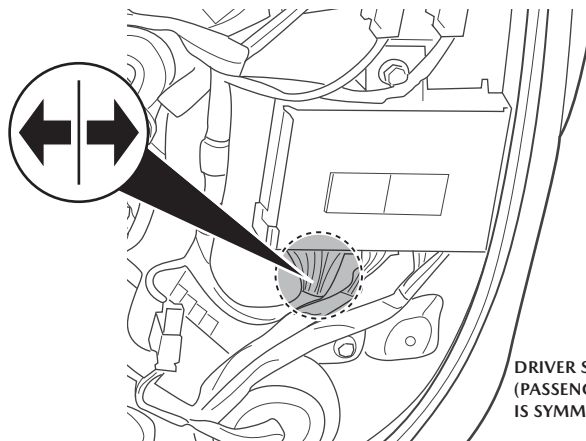
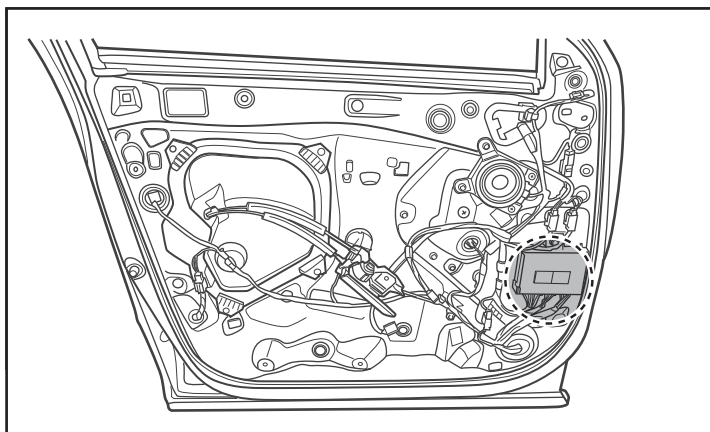
3. Remove the remaining clips from the car and attach them to the front door trim.
 - The figure shows the left side (same as right side).

4. Disconnect any remaining cables that connect the door to the trim.

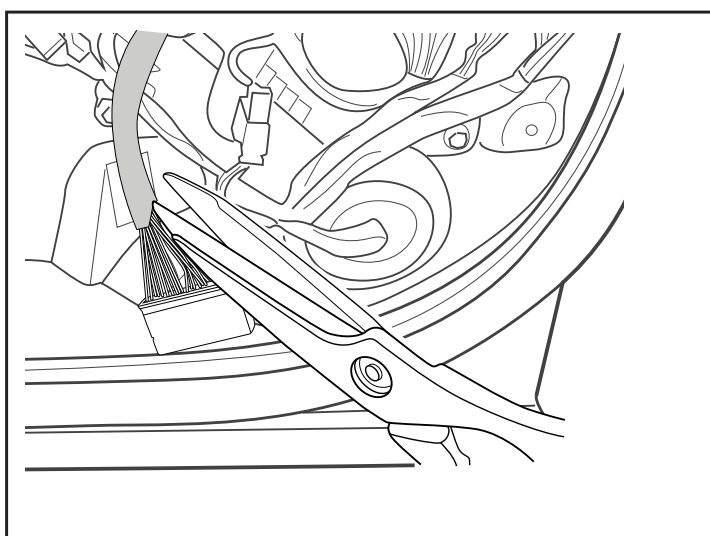
Install in Reverse Order of Removal

6. DOOR HARNESS INSTALLATION

L+R



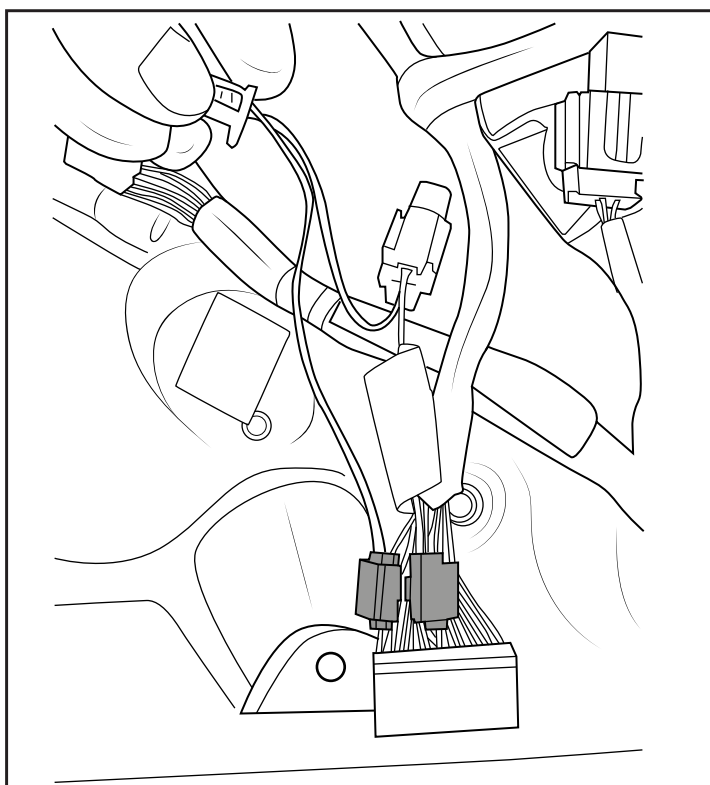
DRIVER SIDE SHOWN
(PASSENGER SIDE
IS SYMMETRIC)



DOOR HARNESS INSTALLATION

1. Unclip the connector and bring it out for easy access.
2. Carefully cut back the felt wrap to expose a total of about 1-1.5 inches of the wires.

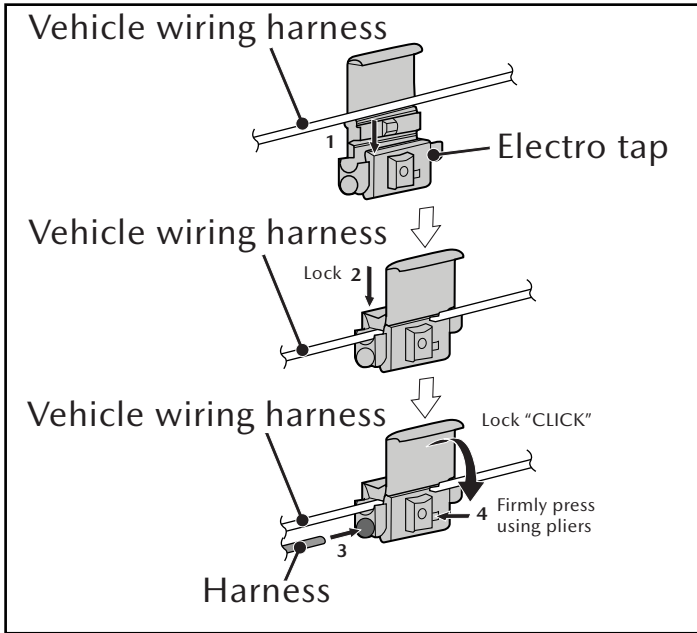
WARNING: MAKE SURE NOT TO DAMAGE VEHICLE HARNESS



3. Install Electro Taps on the exposed wires according to the connector diagram and instructions on THE FOLLOWING PAGE OF THIS MANUAL.

SEE NEXT PAGE FOR CONNECTOR DIAGRAM.

ELECTRO TAP PROCEDURE



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

CAUTION



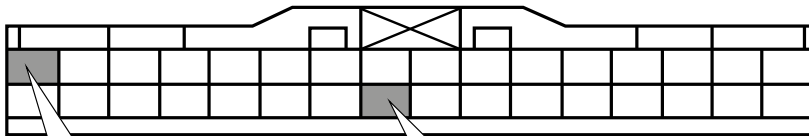
Firmly engage the lock part until a click sound is heard.

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. Be sure you hear a "click".

CONNECTOR DIAGRAM

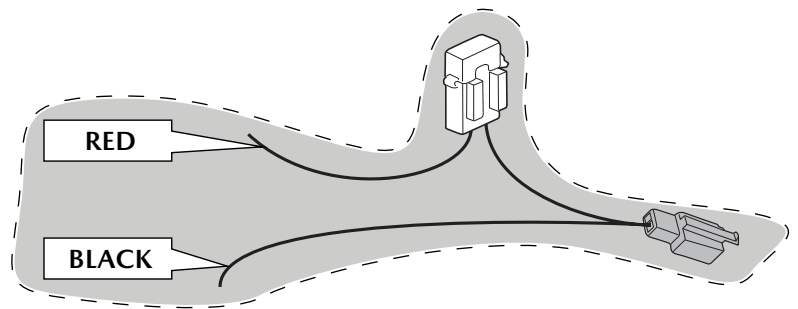
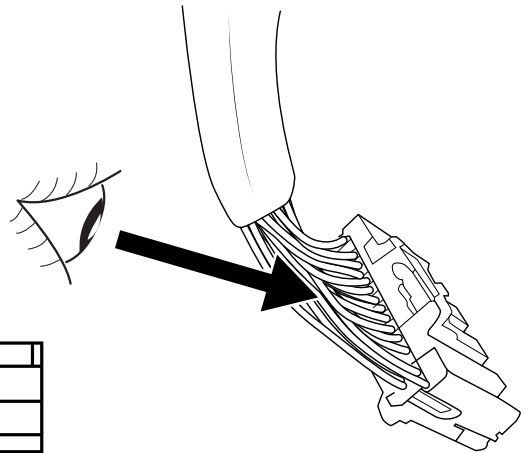


View from the Harness / Wire Side



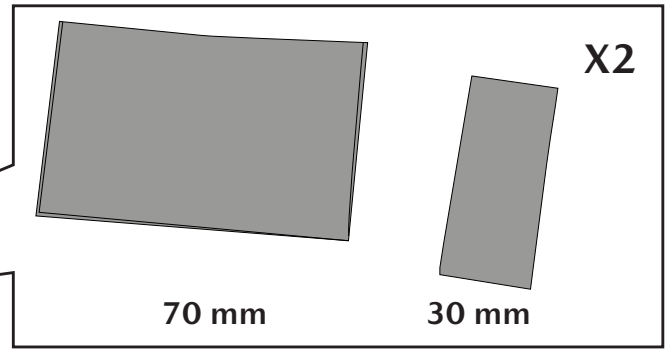
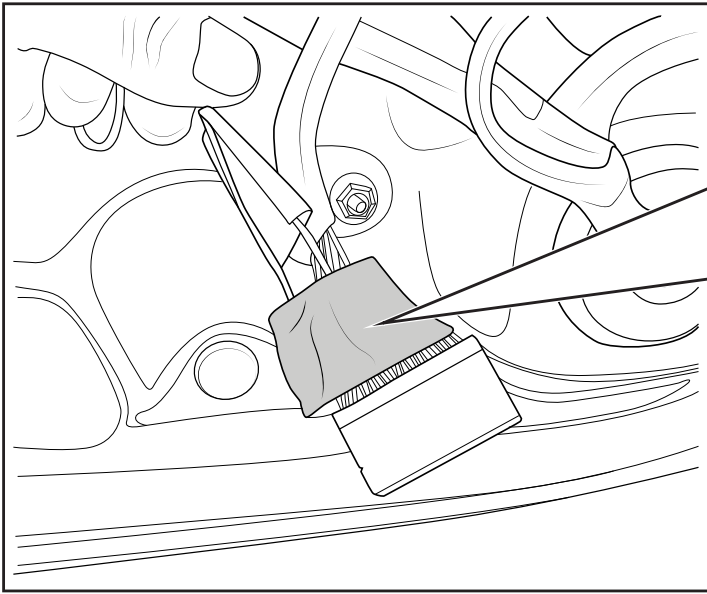
GROUND (GND)

COURTESY LIGHT

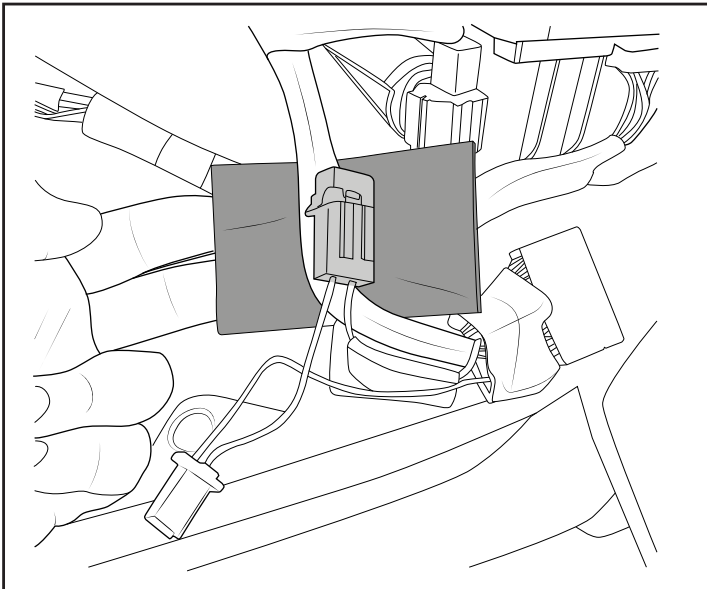


| Driver Side ECU Connector | | |
|---------------------------|-----------------------------------|----------------|
| Accy Harness Color | Vehicle Wiring Harness Wire Color | Signal |
| RED | YELLOW | Courtesy Light |
| BLACK | BEIGE | Ground (GND) |

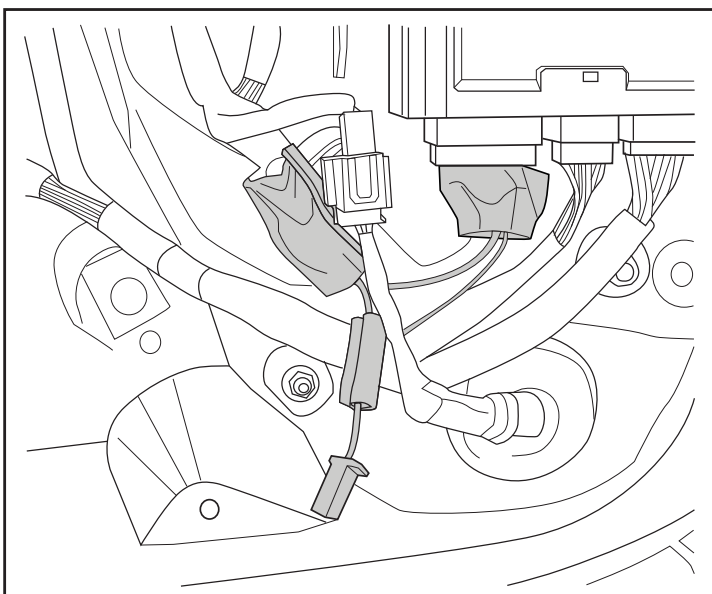
| Passenger Side ECU Connector | | |
|------------------------------|-----------------------------------|----------------|
| Accy Harness Color | Vehicle Wiring Harness Wire Color | Signal |
| RED | WHITE | Courtesy Light |
| BLACK | VIOLET | Ground (GND) |



5. Cut 2 pieces of foam tape and use one of the 70mm portions to wrap connectors.

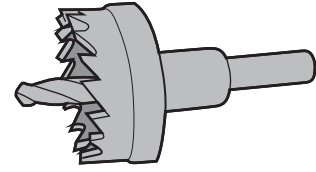
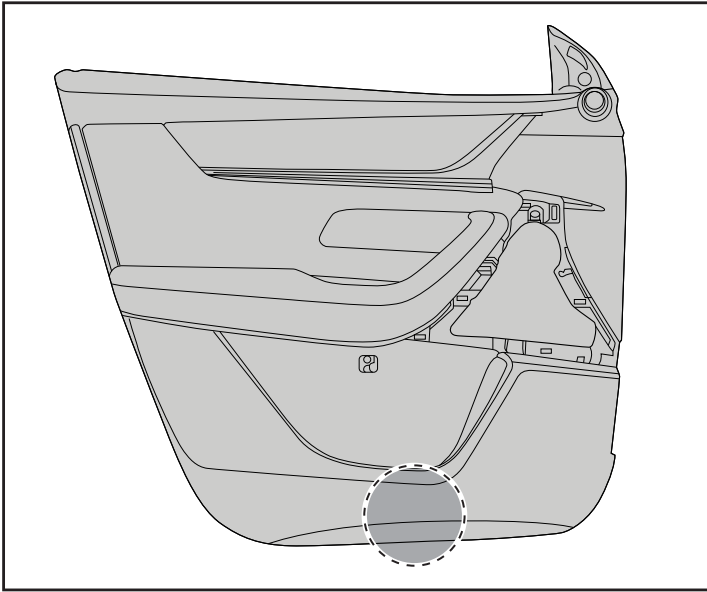


6. Secure the fuse holder to the vehicle harness by wrapping them with the other 70mm piece of foam tape.

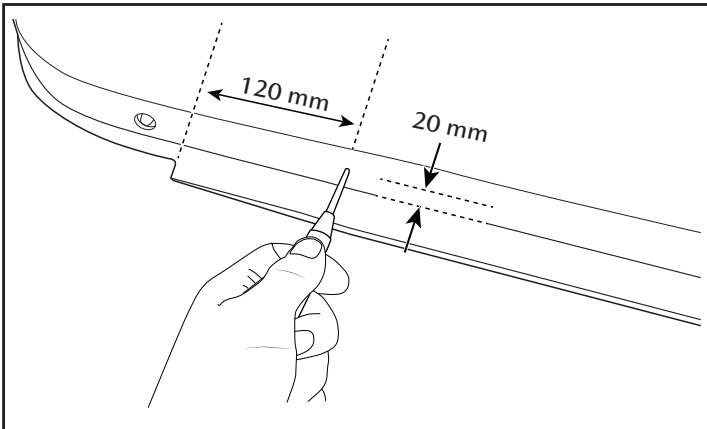


7. Return the vehicle harness through its original routing and plug the connector back into the ECU

7. LED HOUSING INSTALLATION

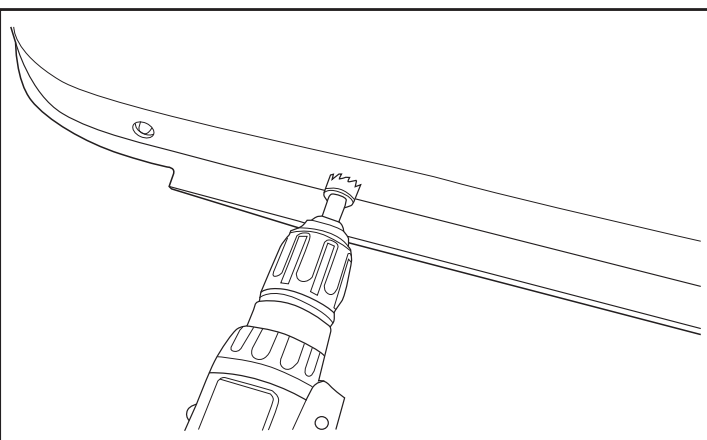


HOLE SAW INCLUDED IN KIT

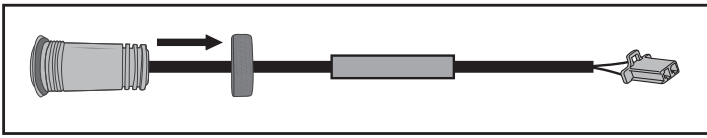


DOOR TRIM – DRILLING THE HOLE

1. Measure to the dimensions shown.
2. Using a hole punch, mark the drill location.

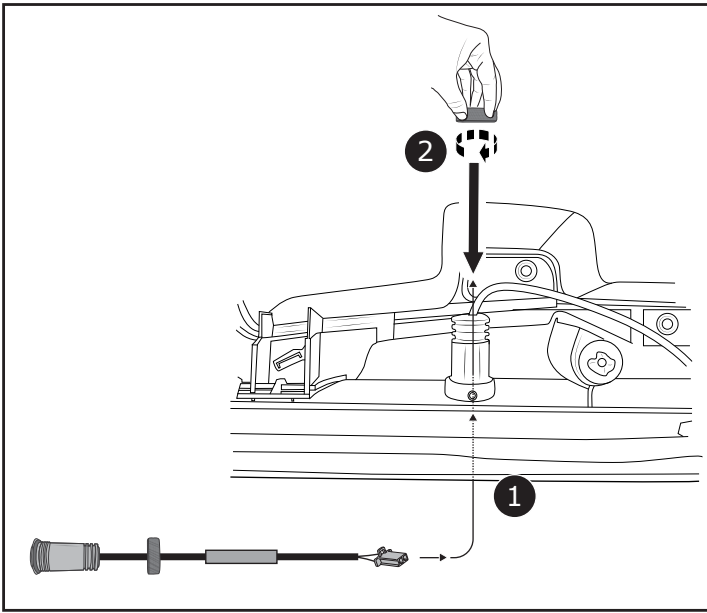


3. Use the included 19mm hole saw to drill the hole in the bottom of the trim panel.
4. Deburr to ensure a clean hole.

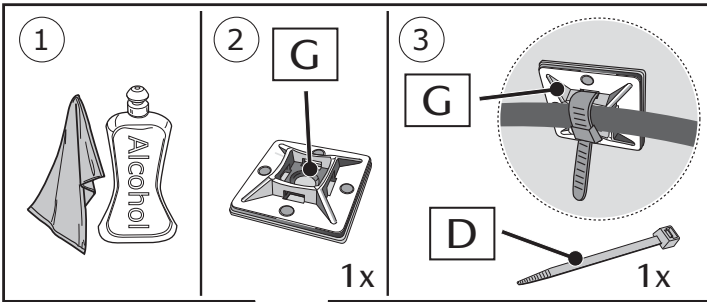
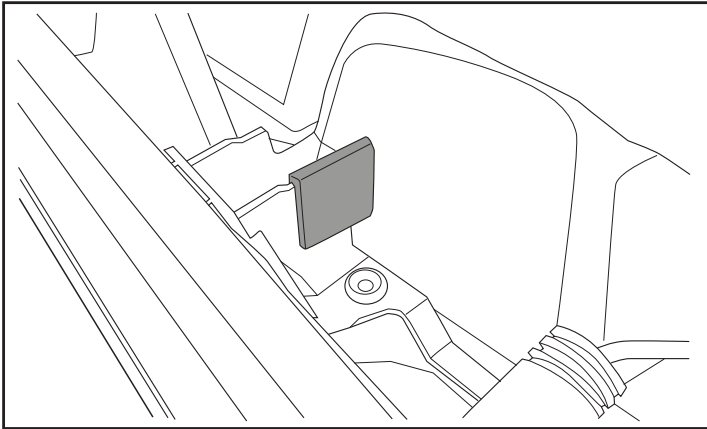


DOOR TRIM – INSTALLING THE LIGHT

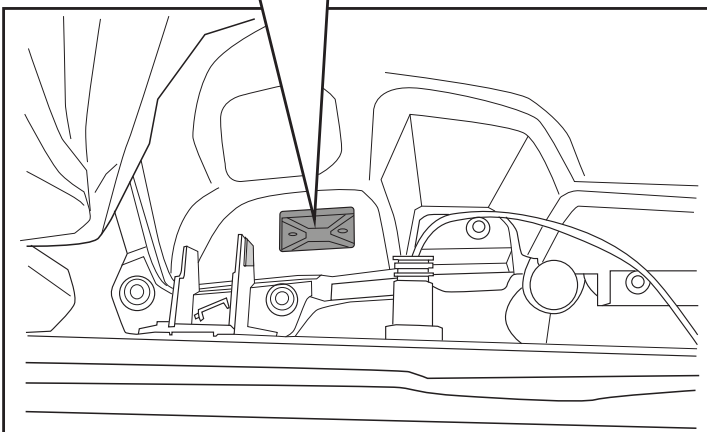
1. Remove the thumb screw from the light housing and harness.
2. Turn the trim panel over.
3. Route the harness and light housing up through the hole.
4. Finger tighten the thumb screw to hold the light in place. The thumb screw will be permanently tightened later in the installation.

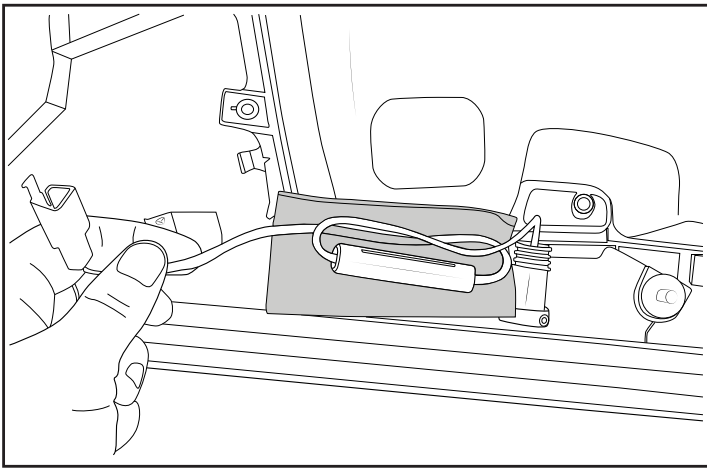


5. Use the 30 mm piece of foam tape and adhere it over the web to cover its sharp edge.

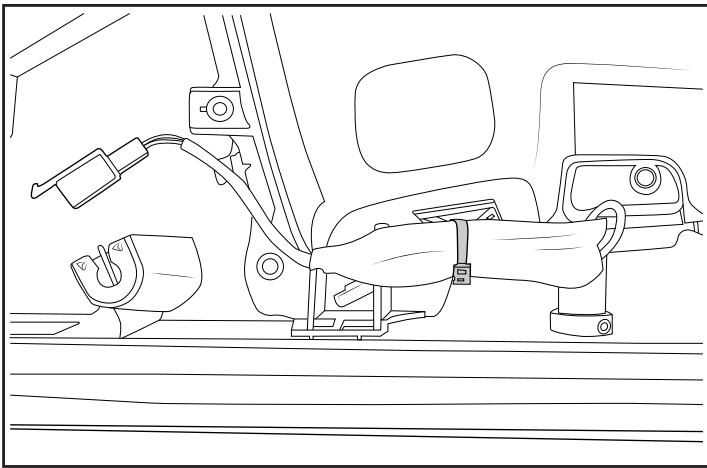


6. Clean the surface of the trim panel in the location shown and wait for it to dry.
7. Peel the backing off the cable tie holder and adhere it to the trim panel.



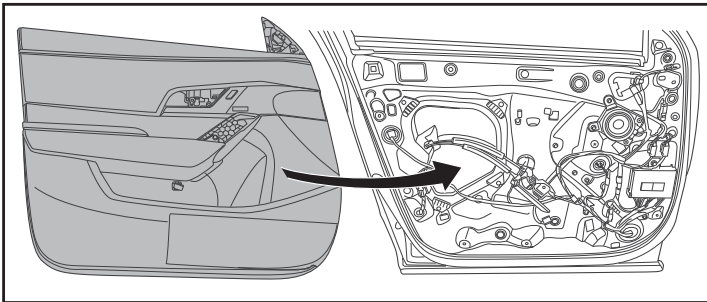


8. Wrap the harness as shown and cover with foam tape.



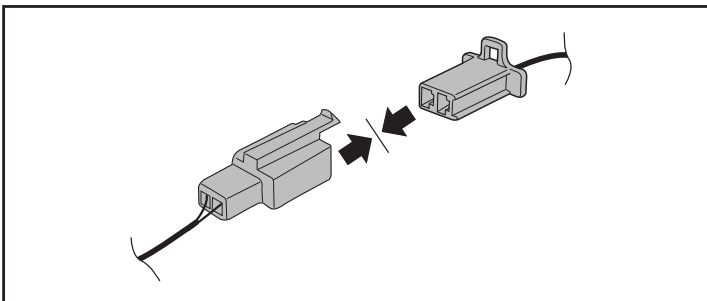
9. Use a cable tie to secure the wrapped harness to the cable tie holder.

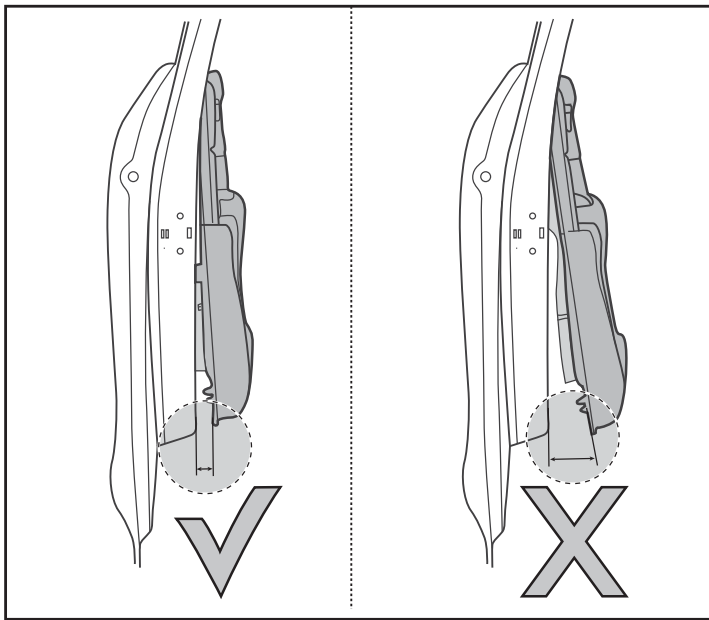
8. REASSEMBLY



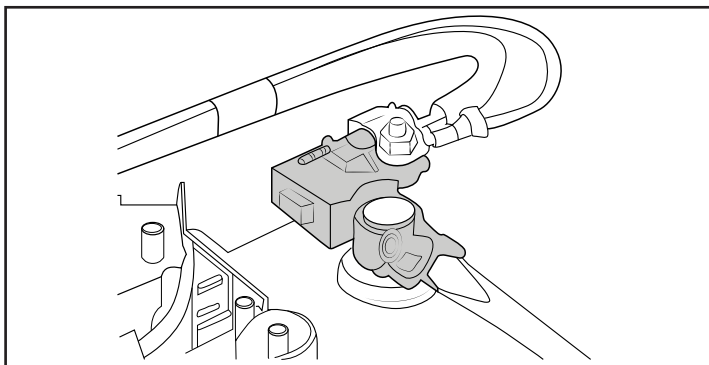
REATTACH THE DOOR TRIM

1. Bring the door trim panel to the door and reattach the electrical connectors and components in the reverse order of disassembly.
2. Make sure to attach Logo Welcome Light connector.
3. DO NOT CLIP THE DOOR IN PLACE YET.

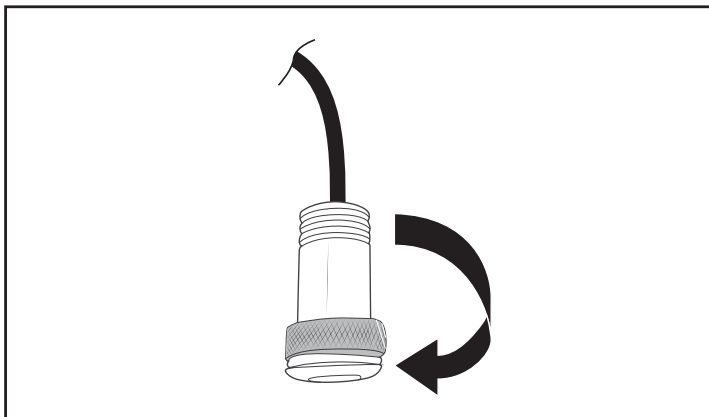




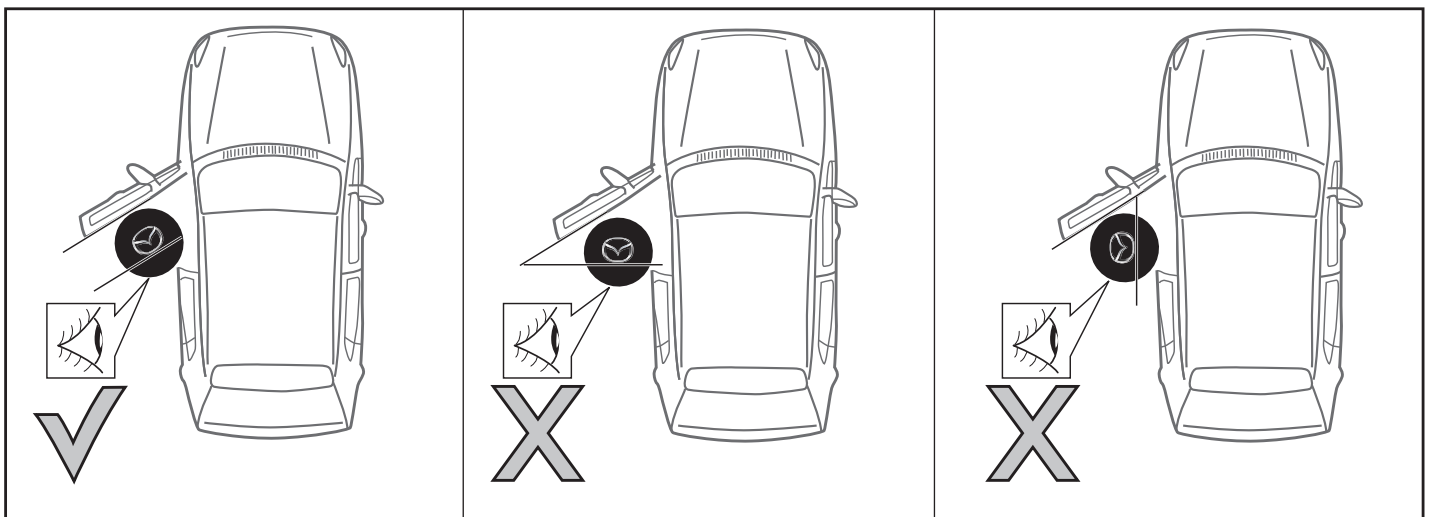
- Set the top row of clip fasteners only. Make sure a slight gap can be made at the bottom to access the Logo Welcome Light clip.

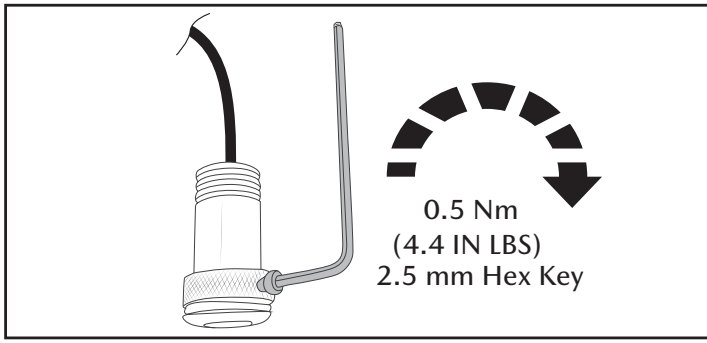


- Reconnect the negative terminal on the 12V battery and check that the Logo Welcome Light illuminates with the courtesy circuit.

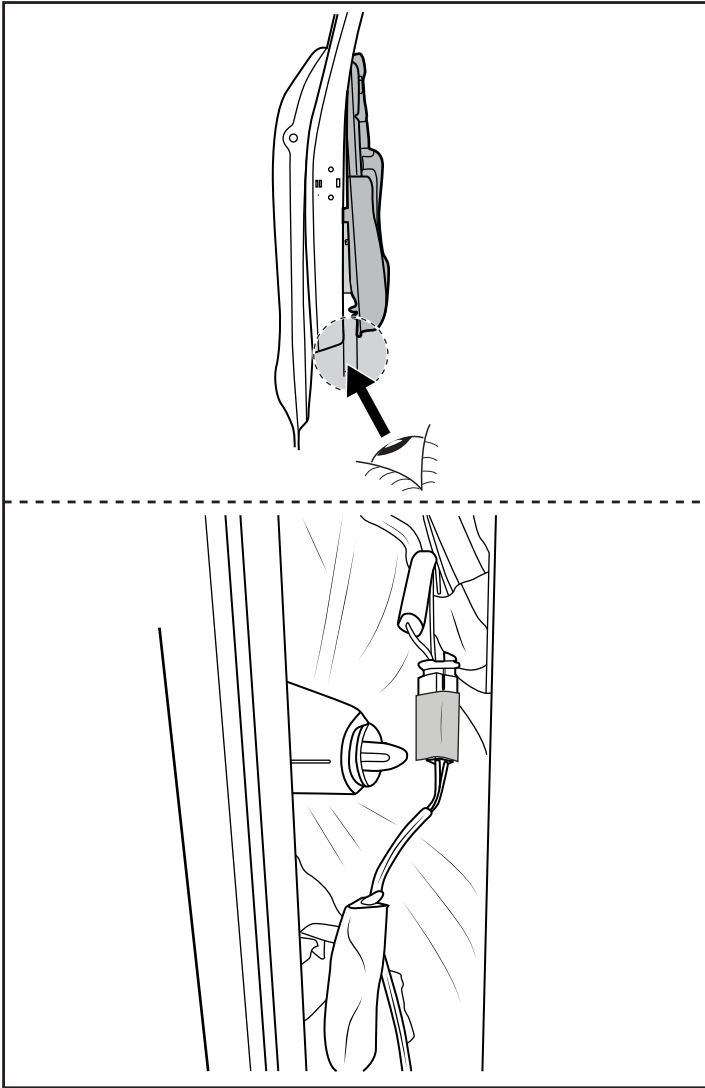


- Rotate the light housing so that the image is in-line with the door.





7. Tighten down the thumb screw and then torque the locking screw to secure the light in position. Recheck the logo light so that the image is in-line with the door.



8. Look for the Logo Welcome Light connector.

9. Use the last 30mm piece of foam tape to wrap the Logo Welcome Light connector.

9. CAUTIONS WHEN REINSTALLING

REASSEMBLE THE DOOR

1. Reinstall parts in the reverse order of the installation procedure in **【5.DOOR TRIM 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.

10. INSPECTION

| Inspection Parts | Inspection Items (O) | | | |
|---|----------------------|---|---|----------------|
| | Clearance / Fit | Scratches / Dirt / Harness Interference | Installation / Tighttening / Engagement | Operaion Check |
| Negative battery terminal and Cover | | | O | O |
| Logo Welcome Lights Function | | O | | O |
| Logo Welcome Lights Image Orientation is correct | | | O | |
| Logo Welcome Lights is secured in place. | | | O | |
| Door trim fully attached | O | O | O | |
| Door components reinstalled | | O | O | |
| Windows, Locks, and Mirror Controls function | | | O | O |
| Door Lever functions | | | O | O |
| Door Speaker functions | | | | O |
| All Door Hardware reinstalled. | | | O | |
| Remove Protective Tape | | O | | |

O : Applicable