

**Part Number: PT413-33130 (ES 350)**  
**PT413-33131 (ES 300h)****Kit Contents**

Item #	Quantity Req'd.	Description
1	10	Wire Ties
2	4	Scotchloks
3	2	Snap Bushing
4	6	Foam Pads
5	1	Front Door Sill, Left
6	1	Front Door Sill, Right
7	1	Fuse Harness, Left
8	1	Fuse Harness, Right
9	2	Connector, Male
10	4	Carpet Clips
11	2	Corrugated Tubing

**Hardware Bag Contents**

Item #	Quantity Req'd.	Description
1		
2		

**Additional Items Required For Installation**

Item #	Quantity Req'd.	Description
1		
2		

**Conflicts**

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**Recommended Tools**

Personal & Vehicle Protection	Notes
Blankets	
Masking Tape	
Eye Protection	
Special Tools	Notes
Nylon Panel Tool	
Rigid Wire Threading Tool	Wrapped in protective tape
Torque Wrench	48 in-lbf (5.4 N-m)
Heat Gun	
Temperature Gauge	
Pressure Roller	
Installation Tools	Notes
Socket Wrench	
10 mm Socket	
Socket Extension	
Diagonal Cutters	
Pliers	
Phillips Screwdriver	
Special Chemicals	Notes
VDC Approved Cleaner	

**General Applicability**

All Models

**Recommended Sequence of Application**

Item #	Accessory
1	
2	
3	

\*Mandatory

**Vehicle Service Parts** (may be required for reassembly)

Item #	Quantity Req'd.	Description
1		
2		
3		

**Legend****STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.**OPERATOR SAFETY:** Use caution to avoid risk of injury.**CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.**TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended for this process.**REVISION MARK:** This mark highlights a change in installation with respect to previous issue.**SAFETY TORQUE:** This mark indicates that torque is related to safety.

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Lexus dealer for a copy of this document.

**1. Check the Kit Contents.**



- (a) Verify all parts are included.
- (b) Check for any damage.

**2. Prepare the Vehicle.**



**NOTE:** The vehicle must be turned to "OFF" position before performing this step

- (a) **HYBRID ONLY:** Remove the battery cover located in the rear of the vehicle (Fig. 2-1).

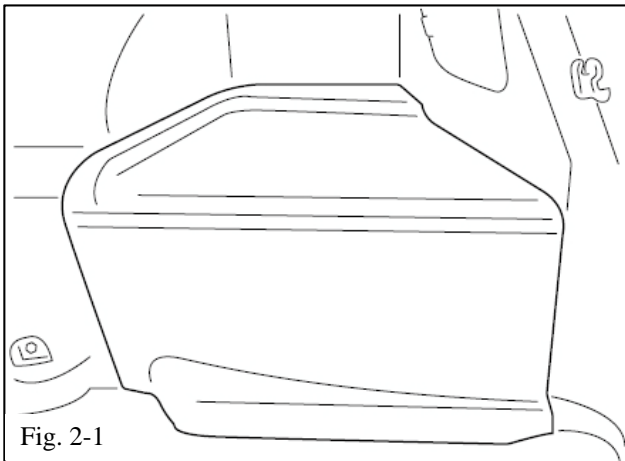
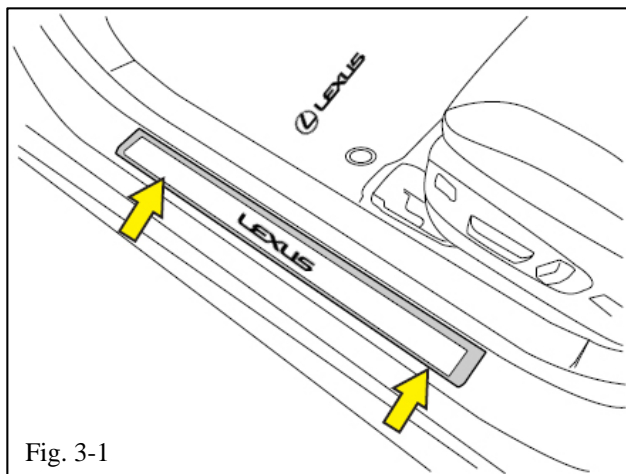
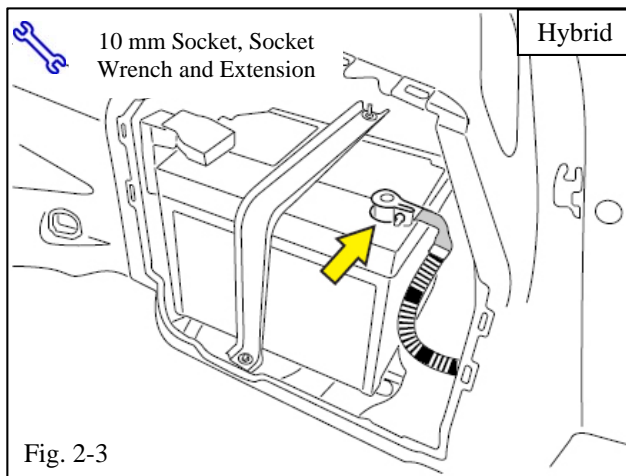
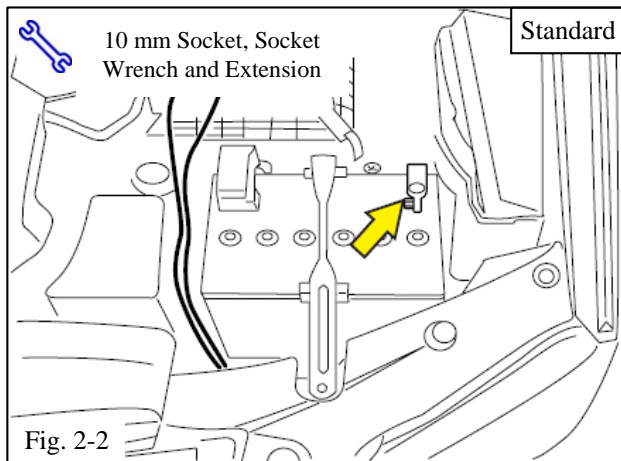


Fig. 2-1



- (b) Remove the negative lead from the battery (Fig 2-2 & Fig. 2-3). Place the battery lead so it does not come into contact with the battery terminal.

**3. Remove the Passenger's and Driver's side Front Door Sills.**

- (a) Grasp the door sill where shown (Fig. 3-1).
- (b) Make sure the sill plate is raised evenly and gently pulled away from the sill.

**CAUTION:** To prevent paint damage, do not use a nylon panel removal tool.

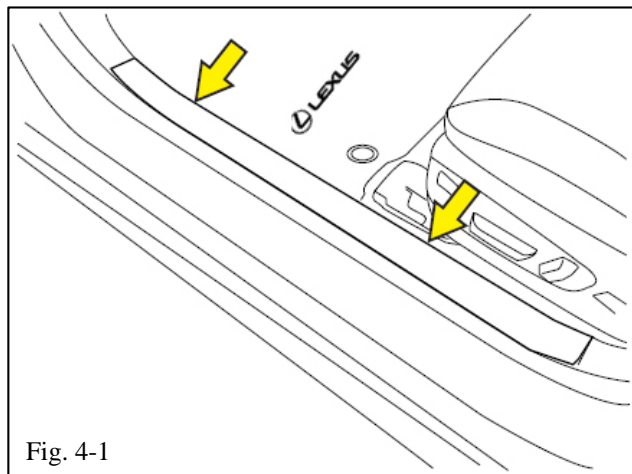


Fig. 4-1

#### 4. Remove the Inner Side Sill Trim.

- (a) Grasp the driver's side door sill panel. Pull toward the inside of the vehicle and remove it (Fig. 4-1).

**CAUTION:** Use care to not damage the end clips on either side.

- (b) Place the sill trim in a safe place.
- (c) Repeat on the passenger's side.

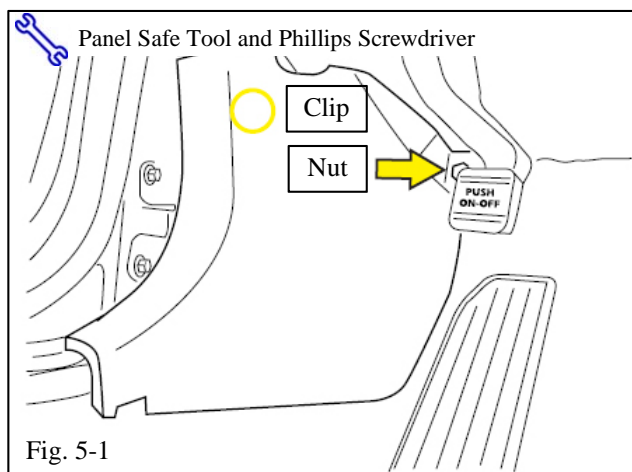


Fig. 5-1

#### 5. Remove the Access Panels.

- (a) Remove the plastic nut by hand; if needed use a Philips screwdriver (Fig. 5-1).
- (b) Use a panel safe tool to remove the panel (Fig. 5-1).
- (c) Repeat on the passenger's side.

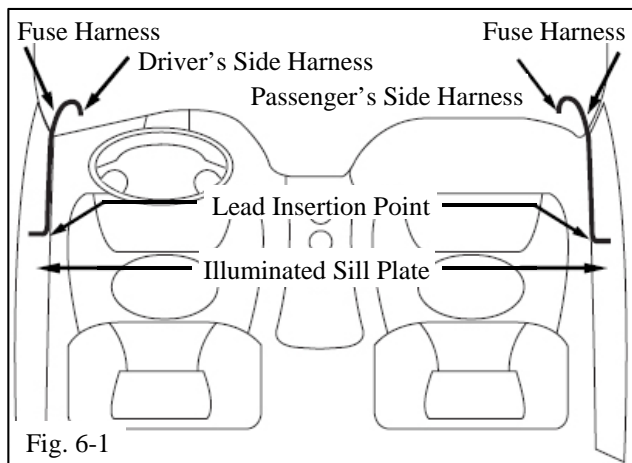


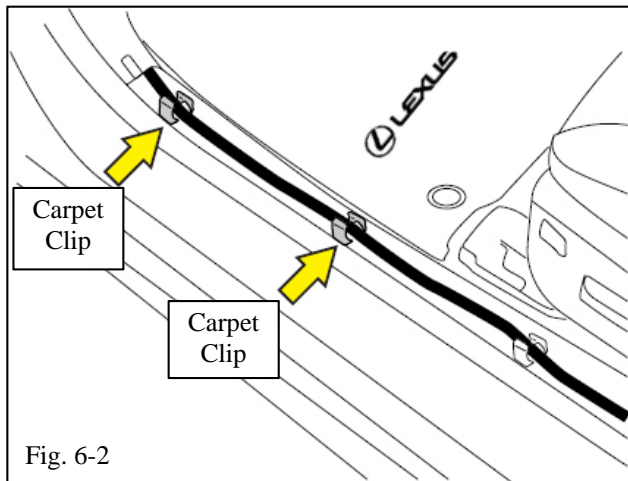
Fig. 6-1

#### 6. Route the Sill Plate Leads (Both Sides).

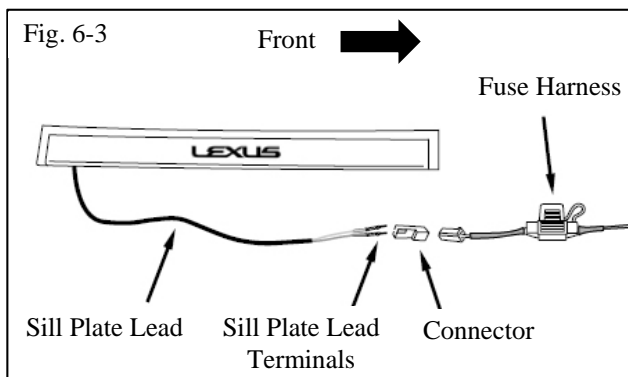
- (a) Review the overview of the harness routing to understand the driver's and passenger's side harness routing (Fig. 6-1).



**CAUTION:** Protect the sill plate from damage before threading the harness.



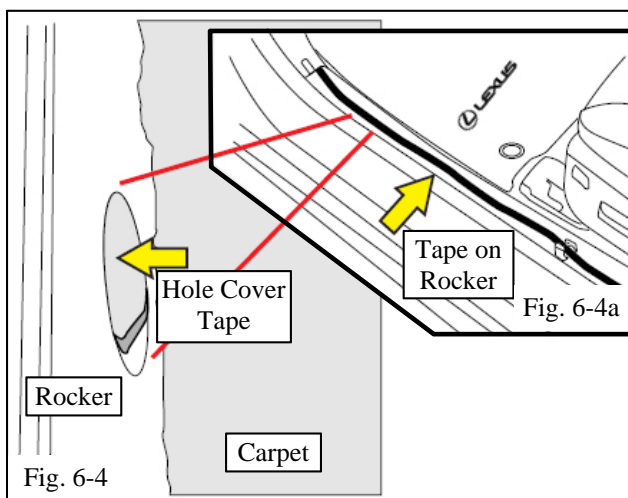
- (b) Remove the front two (2) carpet clips and discard them (Fig. 6-2).



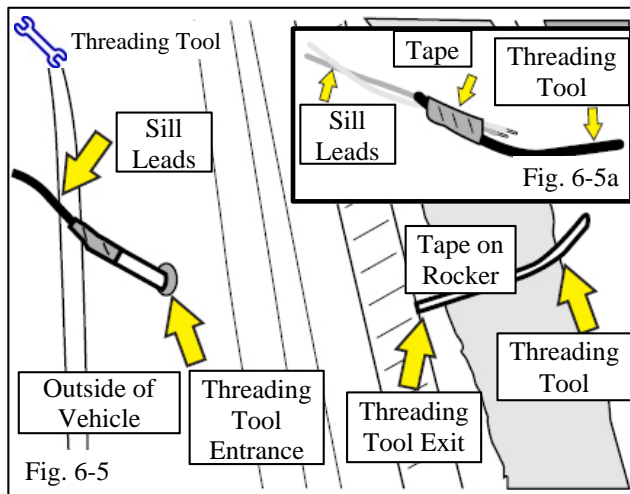
- (c) Review the layout of the sill plate components (Fig. 6-3).
- (d) The connector will be attached **AFTER** the sill plate lead is threaded.
- (e) The harness goes towards the front of the vehicle.

**CAUTION:** DO NOT connect the connector to the leads until the leads are threaded and the sill plates are installed.

**CAUTION:** The sills are marked Left and Right. DO NOT reverse them!



- (f) Locate the tape on the rocker (Fig. 6-4a).
- (g) Peel off the hole cover tape on the inside rocker on both sides of the vehicle (Fig. 6-4).



(h) Thread the sill leads (Both Sides).

(1) Attach a lead to a threading tool with tape (Fig 6-5a).

**NOTE:** A threading tool is not included in the kit. Use a piece of stiff wire or similar if a tool is not available..

(2) Insert the threading tool in the front-most door sill mounting hole and out through the interior hole uncovered in the previous step (Fig 6-5).

(3) Remove the threading tool from the door sill lead.

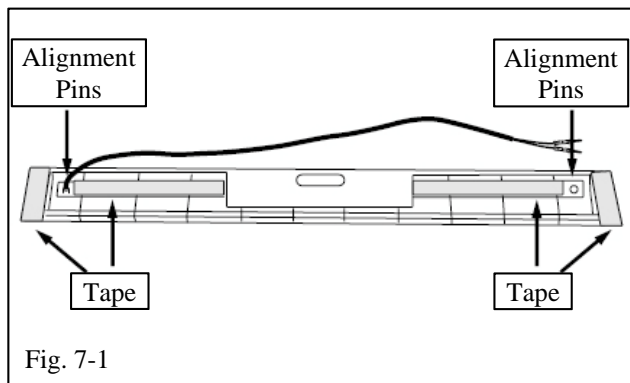
## 7. Install the Illuminated Door Sills.

(a) Verify that the working temperature is between 60-90°F (16 - 30°C) for correct adhesion.

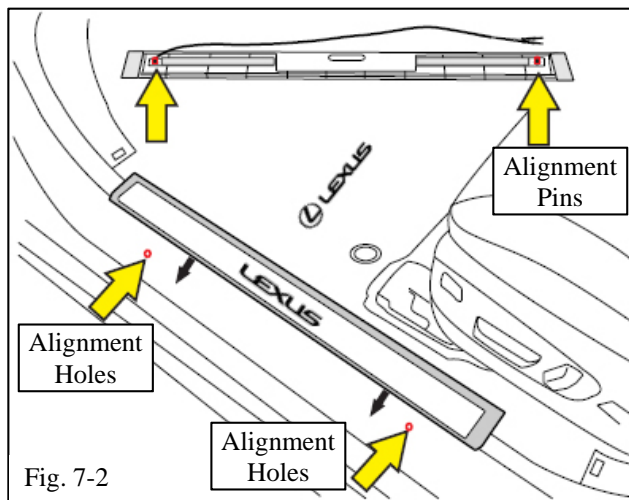
(b) The sill plates will be attached with tape, using pins on the backside as a guide. Test fit the sill before removing the tape (Fig. 7-1).

(c) Use VDC approved cleaner to wipe down the door sill attachment area.

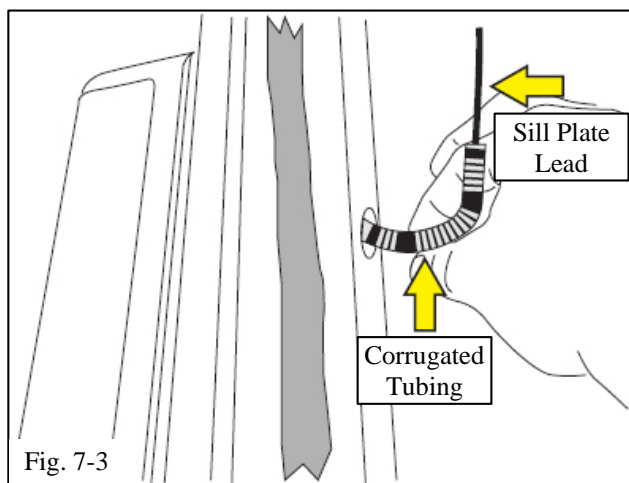
(d) Remove the tape backing (Fig 7-1).



**CAUTION:** Do not touch the adhesive.

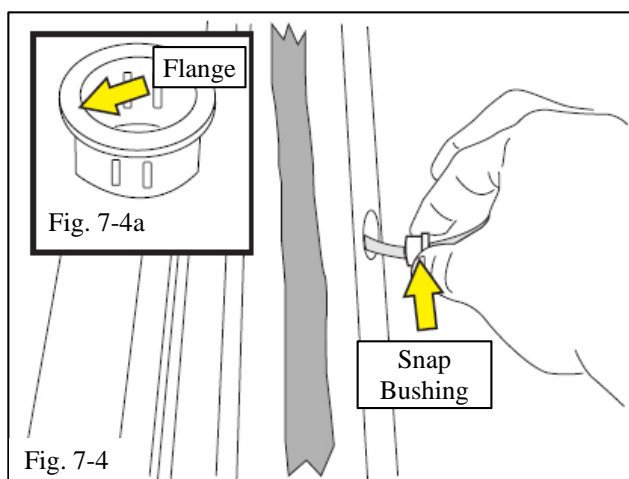


- (e) Align the pins on the sill plate with the holes in the rocker (Fig. 7-2).
- (f) Verify the harness is completely inserted into the hole.
- (g) Firmly press the sill plate into place.
- (h) Use a roller to ensure proper attachment to the car.



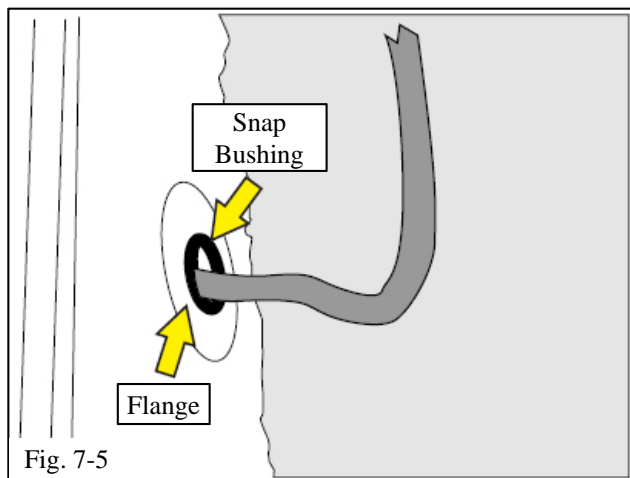
- (i) Install corrugated tubing onto the sill lead and insert it completely into the hole (Fig. 7-3).

**CAUTION:** Make sure the sill plate lead stays threaded through the corrugated tubing.



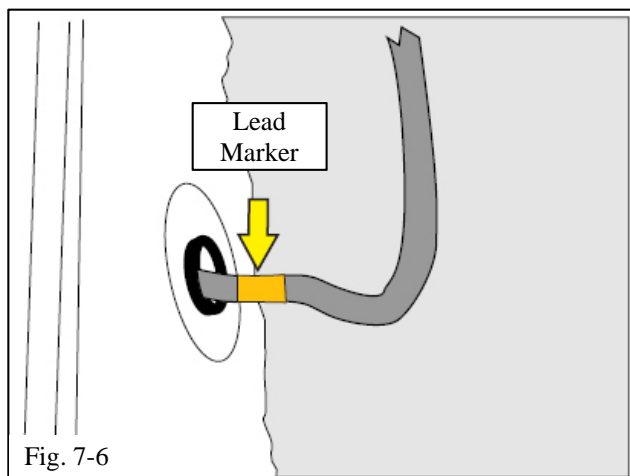
- (j) Install a snap bushing.
  - (1) Install the snap bushing so the flange is toward the inside of the vehicle (Fig. 7-4a).
  - (2) Slide the bushing over the lead (Fig 7-4).





(k) Press the snap bushing into place (Fig. 7-5).

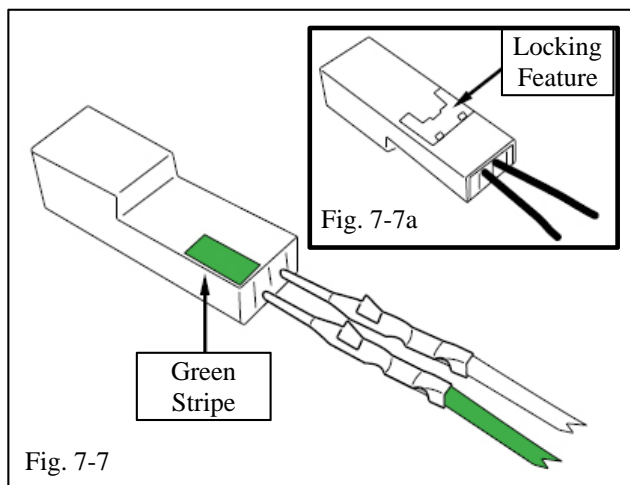
**CAUTION:** Make sure the snap bushing snaps into place.



(l) Align the orange lead marker tape with the snap bushing as shown to leave proper slack (Fig. 7-6).

**CAUTION:** Do not perform the next step until after the door sill wire has been routed through the rocker.

(m) Install the leads into the connector housing.

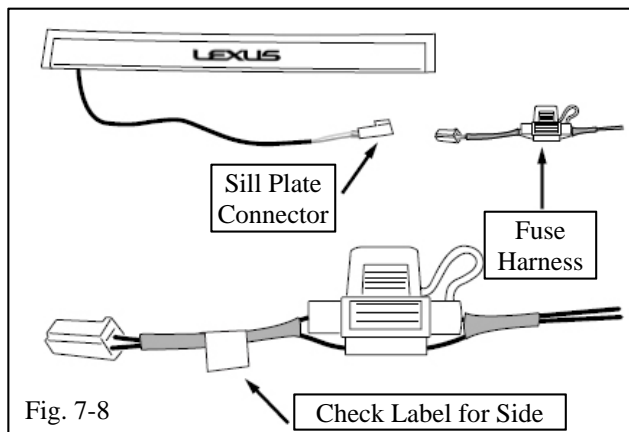


(1) The green wire must be inserted into the connector side indicated with a green stripe as shown (Fig 7-7).

(2) Insert the terminal into the connector.

(3) Make sure the terminals are fully inserted and press down the locking feature (Fig. 7-7a).





(n) Attach the fuse harness to the sill plate connector installed in the previous step (Fig. 7-8).

(o) Wrap the connection with one (1) foam pad.



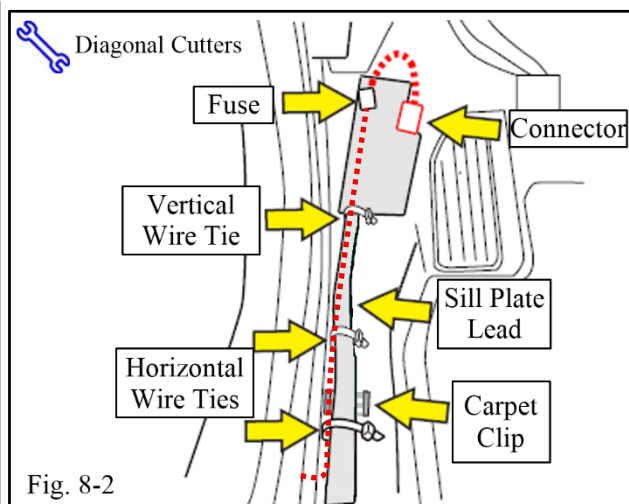
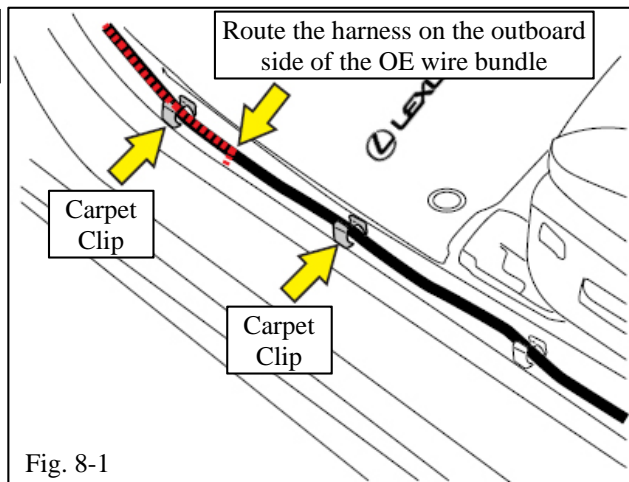
**CAUTION:** Make sure to use the correct fuse harness for the left and right sides. Match the wire colors to the sill harness colors.

## 8. Route the Driver's Side Harness.

(a) Install new carpet clips (Fig. 8-1).

(1) The dashed line shows path of harness.

(2) Route the harness so it sits within OE harness cradles, on the outboard side of the OE wire bundle.



(b) Attach two (2) wire ties in the locations indicated along the horizontal run of the OE wire bundle (Fig. 8-2).

(c) Attach one (1) wire tie in the location indicated along the vertical run of the OE harness after the harness turns upward (Fig. 8-2).

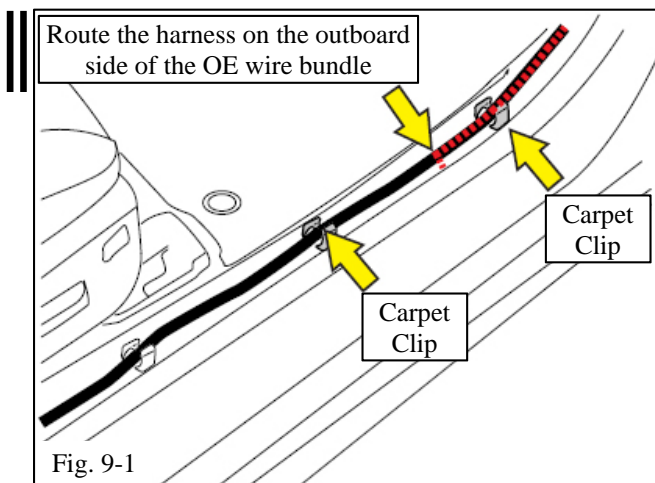
(d) Trim the excess from the wire ties.

## 9. Route the Passenger's Side Harness.

(a) Install new carpet clips (Fig. 9-1).

(1) The dashed line shows path of harness.

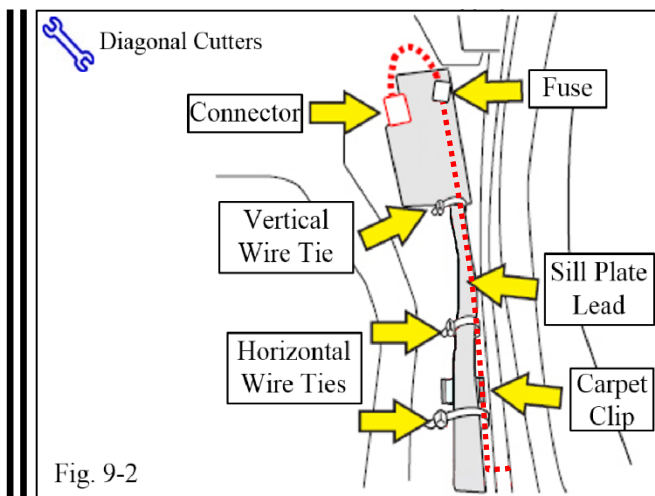
(2) Route the harness so it sits within OE harness cradles, on the outboard side of the OE wire bundle.



(b) Attach two (2) wire ties in the locations indicated along the horizontal run of the OE wire bundle (Fig. 9-2).

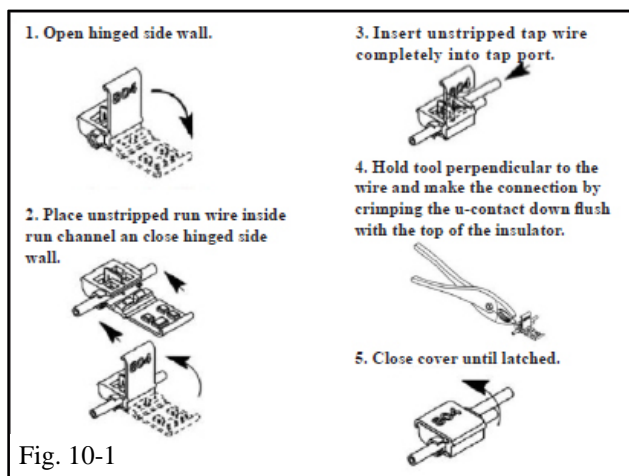
(c) Attach one (1) wire tie in the location indicated along the vertical run of the OE harness after the harness turns upward (Fig. 9-2).

(d) Trim the excess from the wire ties.



## 10. Connect the Door Sills to Power.

(a) Review the Scotchlok™ installation instructions (Fig. 10-1).



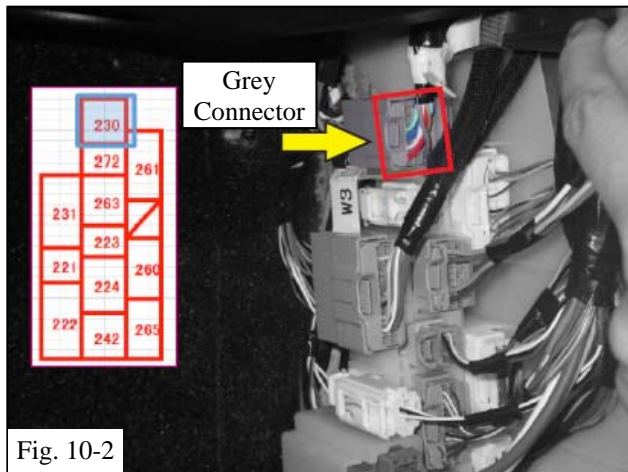


Fig. 10-2

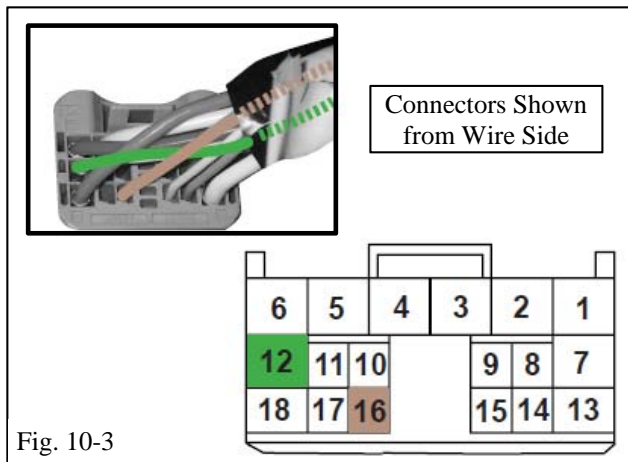


Fig. 10-3

(b) Locate the grey connector on the PASSENGER'S SIDE kick panel connection block (Fig. 10-2).

(c) Remove the connector from connector block.

(d) Peel back approximately one (1) inch of electrical tape.

**CAUTION:** Do not use sharp objects that could damage the wire.

(e) Locate the PASSENGER'S SIDE power and ground.

**!** (1) Positive (+): Locate Pin 12 on the grey connector (GREEN wire) (Fig. 10-3).

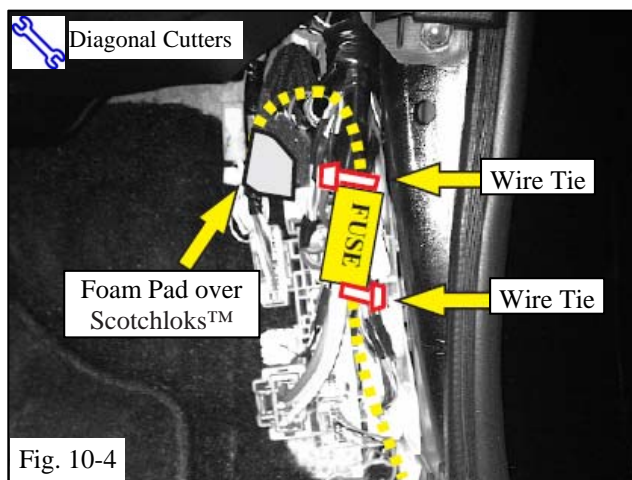
**!** (2) Negative (-): Locate Pin 16 on the grey connector (BROWN wire) (Fig. 10-3).

(f) Connect the sill plate harness to the vehicle harness.

(1) Crimp the BROWN wire of the sill plate harness to the BROWN wire of the vehicle harness (Fig. 10-3).

(2) Crimp the GREEN wire of the sill plate harness to the GREEN wire of the vehicle harness (Fig. 10-3).

(3) Wrap the two connections with one (1) foam pad.

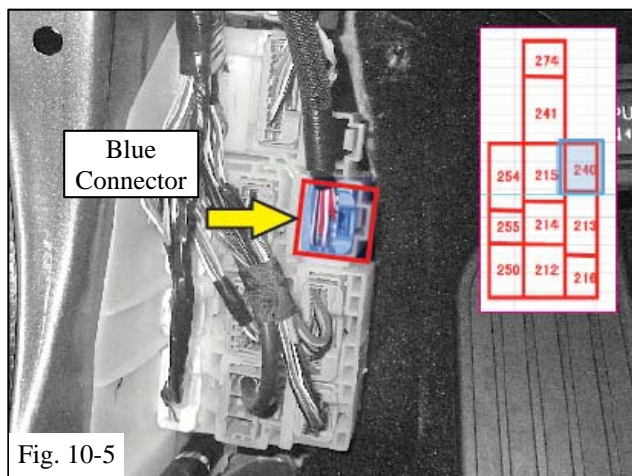


(g) Attach two (2) wire ties in the areas indicated by arrows (Fig. 10-4).

(1) Place wire ties on either side of the fuse holder. Verify the fuse is accessible (Fig. 10-4).

(2) Trim the excess from the wire ties.

(h) Apply one (1) foam pad to the bottom of the fuse holder and reconnect the connector to the connector block (Fig. 10-4).

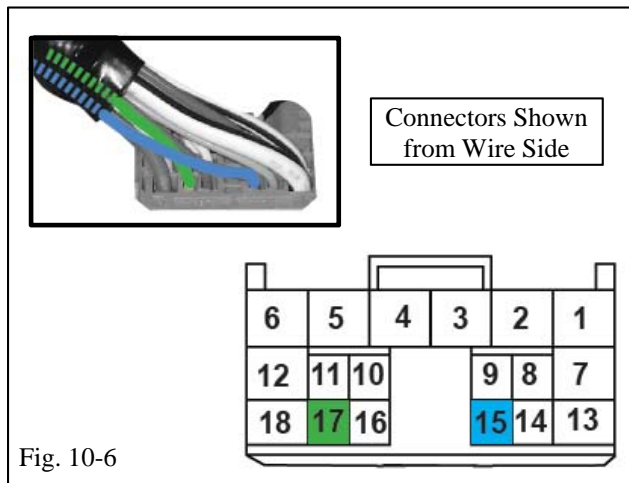


(i) Locate the blue connector on the DRIVER'S SIDE kick panel connection block (Fig. 10-5).

(j) Remove the connector from the connector block.

(k) Peel back approximately one (1) inch of electrical tape.

**CAUTION:** Do not use sharp objects that could damage the wire.



(l) Locate the DRIVER'S SIDE power and ground.

⚠ (1) Positive (+): Locate Pin 17 on the blue connector (GREEN wire) (Fig. 10-6).

⚠ (2) Negative (-): Locate Pin 15 on the blue connector (BLUE wire) (Fig. 10-6).

(m) Connect the sill plate harness to the vehicle harness.

(1) Crimp the BLUE wire of the sill plate harness to the BLUE wire of the vehicle harness (Fig. 10-6).

(2) Crimp the GREEN wire of the sill plate harness to the GREEN wire of the vehicle harness (Fig. 10-6).

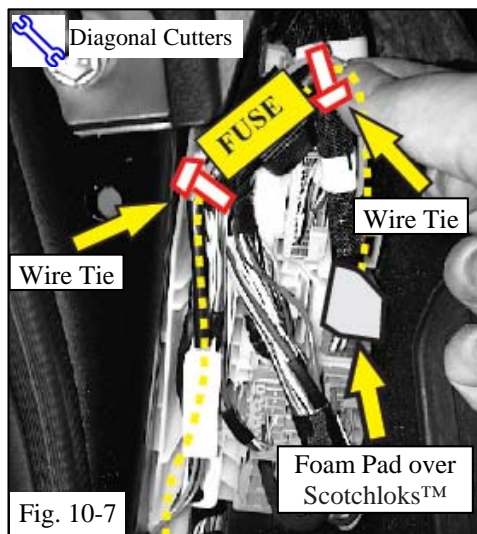
(3) Wrap the two connections with one (1) foam pad.

(n) Attach two (2) wire ties in the areas indicated by arrows (Fig. 10-7).

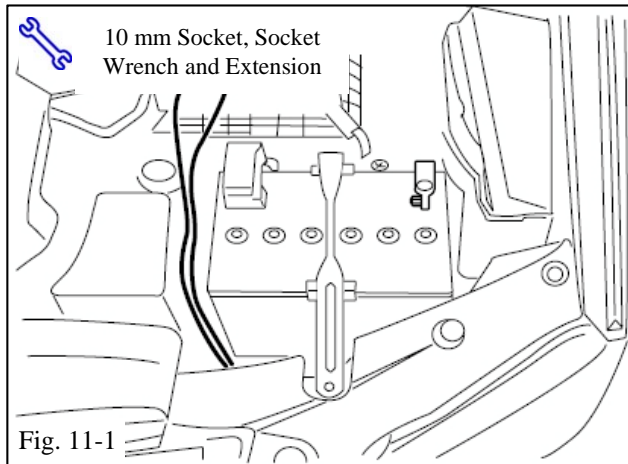
(1) Place wire ties on either side of the fuse holder. Verify the fuse is accessible (Fig. 10-7).

(2) Trim the excess from the wire ties.

(o) Apply one (1) foam pad to the bottom of the fuse holder and reconnect the connector to the connector block (Fig. 10-7).







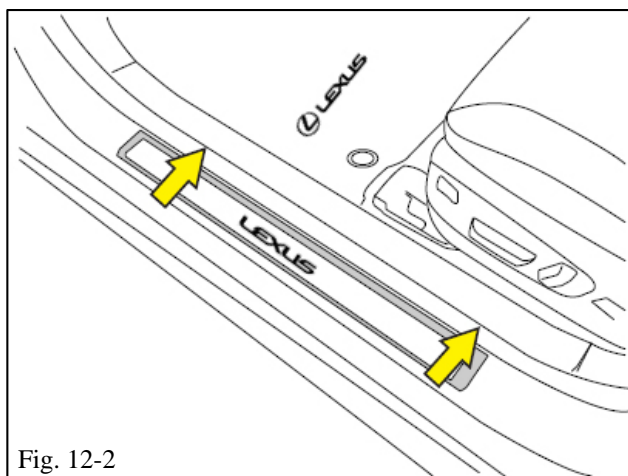
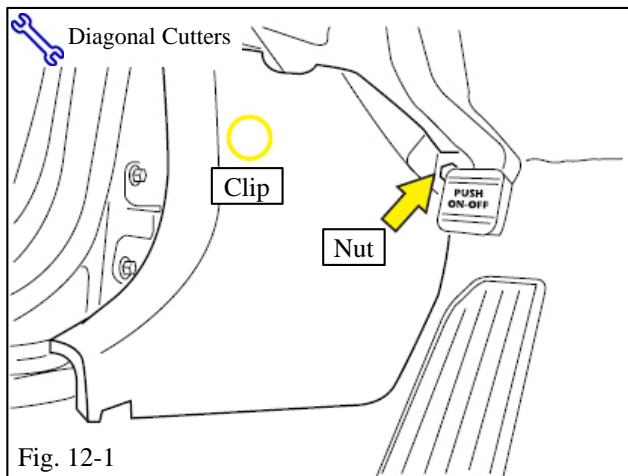
## 11. Test the Connections.

- (a) Temporarily reconnect the battery (Fig. 11-1).
  - (1) Install the short pin if necessary.
- (b) Verify that both door sills are illuminated by pressing the right front door switch.
- (c) Disconnect the negative lead.
  - (1) Remove the short pin if it was installed in Step 11(a)(1).

**CAUTION:** Do not touch the positive terminal with any tool during removal

## 12. Reinstall the Interior Panels (Both Sides).

- (a) Reinstall the access panels.
  - (1) Verify the access panel is fully seated (Fig. 12-1).
  - (2) Install the plastic nut indicated by the arrow (Fig. 12-1).



- (b) Reinstall the side sill inner trim (Fig. 12-2).

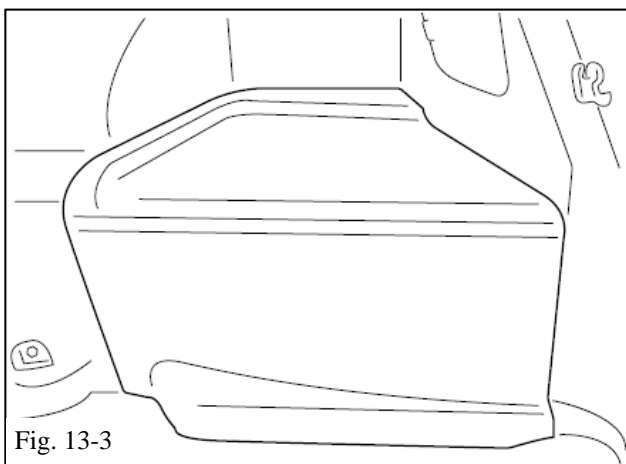
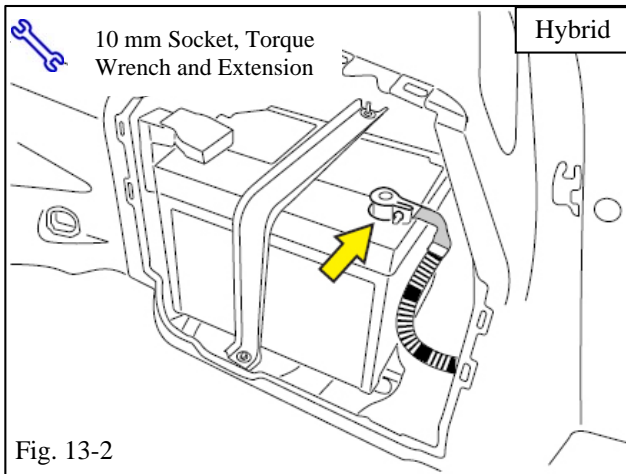
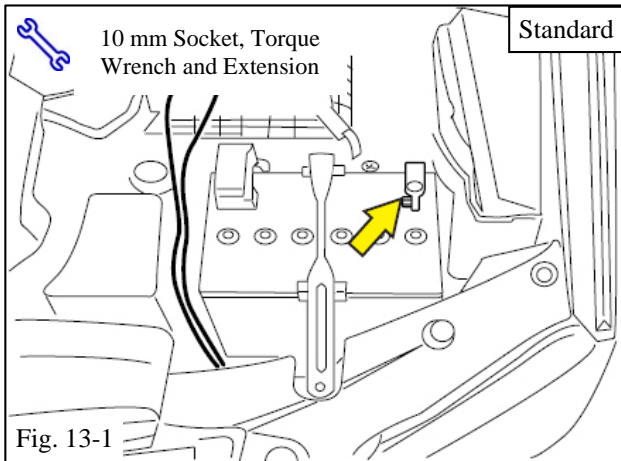
### 13. Reconnect the Battery.

- (a) Replace the negative lead onto the battery  
(Fig 13-1 & Fig. 13-2).

**⚠ CAUTION:** Do not touch the positive terminal with any tool during installation.

- (b) Tighten the nut to 48 in·lbf (5.4 N·m).


**⚠ TORQUE: 48 in·lbf (5.4 N·m)**



- (c) **HYBRID ONLY:** Replace the battery cover  
(Fig. 13-3).



## ILLUMINATED DOOR SILLS

Check:	Look For:
<u>Accessory Function Checks</u> <ul style="list-style-type: none"> <li><input type="checkbox"/> Open passenger side door.</li> <li><input type="checkbox"/> Open driver side door.</li> <li><input type="checkbox"/> Engage driver side courtesy door switch</li> <li><input type="checkbox"/> Engage passenger side courtesy door switch</li> <li><input type="checkbox"/> Light color</li> </ul>	<p>Passenger side sill plate illuminates.</p> <p>Driver side sill plate illuminates.</p> <p>Driver side sill plate is OFF.</p> <p>Passenger side sill plate is OFF.</p> <p>White is for gas - Blue is for hybrid</p>
<u>Vehicle Function Checks</u> <ul style="list-style-type: none"> <li> <input type="checkbox"/> Inspect the battery torque.</li> </ul>	<p><b>48 in·lbf (5.4 N·m)</b></p>
<u>Vehicle Appearance Check</u> <ul style="list-style-type: none"> <li><input type="checkbox"/> Verify fit of sill plates.</li> <li><input type="checkbox"/> Verify fit of access panels.</li> <li><input type="checkbox"/> Verify fit of side sill trim.</li> <li><input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection.</li> </ul>	<p>Ensure no damage (including scuffs and scratches) was caused during the installation process. (For PPO installations, refer to TMS Accessory Quality Shipping Standard.)</p>