

Part Number:

PT922-30120 (GS 350 & GS-F)

PT922-30130 (GS 450h)

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Illuminated Door Sill, Front Right Hand
2	1	Illuminated Door Sill, Front Left Hand
3	1	Door Sill, Rear Right Hand
4	1	Door Sill, Rear Left Hand
5	1	Hardware Kit

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	4	Scotchlok 558
2	32	25cm Wire Tie
3	2	Tape, Foam 60 x 90 mm

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1	N/A	

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Safety Gloves	Optional
Vehicle Protection	Blankets, Part Boxes
Special Tools	Notes
Nylon Panel Removal Tool	
Installation Tools	Notes
Socket or Wrench	10mm
Ratchet	
Phillips Screwdriver	No. 2
Side Cutters	For Wire Ties
Pliers	For Scotchloks
Torque Wrench	48in-lbf (5.4 N-m)
Electrical Tape	Black
Special Chemicals	Notes
Cleaner	VDC approved or mild, water based, solvent free all-purpose cleaner.

General Applicability

Gas (GS 350 and GS-F) uses PT922-30120, Hybrid (GS 450h) uses PT922-30130
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Recommended Sequence of Application







Item #	Accessory
1	Security
2	Remote Engine Start
3	Illuminated Door Sills

***Mandatory**

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description
1	N/A	
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. Prepare for the Installation.

- (a) Inspect all kit components and check for damage or missing parts.
- (b) Locate and remove the negative battery cable.

For Gas Models (GS 350 and GS-F), the battery is located in the engine compartment.

- (1) Remove the negative battery cover.
- (2) Use a 10mm wrench or socket & ratchet to remove the negative battery cable and set it aside (Fig. 1-1).

- +** (3) Do not touch the positive terminal with any part of the tool when removing the cable.

For Hybrid Models (GS 450h), the battery is located in the trunk.

- (1) Remove the battery cover.
- (2) Remove the negative battery cable using a 10mm wrench or socket and set it aside. (Fig 1-2)

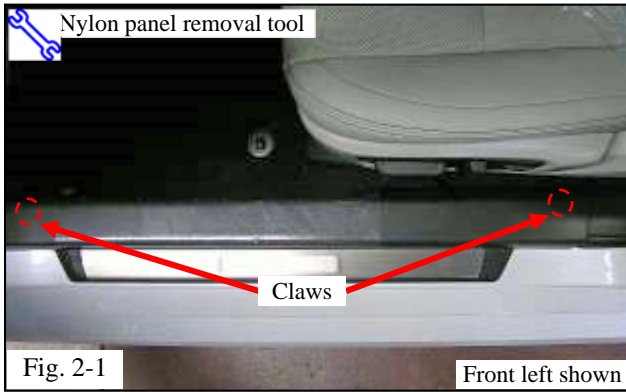
- +** (3) Do not touch the positive terminal with any part of the tool when removing the cable.



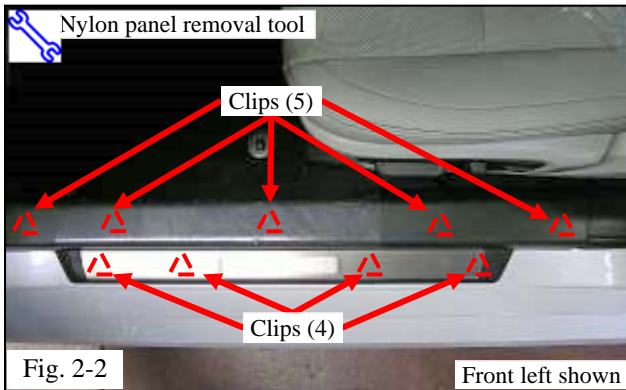
2. Disassemble the Vehicle.

(a) Remove the front left and front right door scuff panels.

(1) Disengage the 2 claws at the front and rear bottom corners (Fig. 2-1).




(2) Disengage the 9 clips and remove the panel from the vehicle (Fig. 2-2).

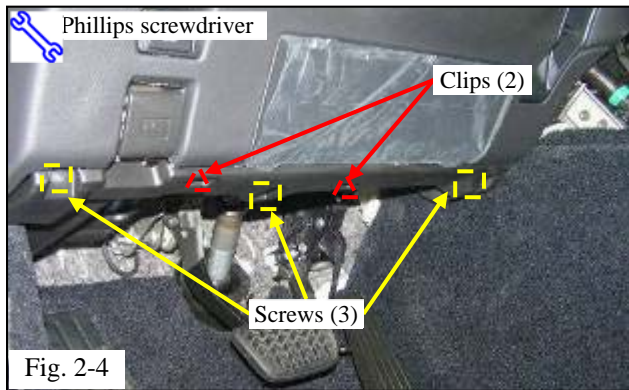


(b) Remove the front left and front right door opening trim cover (Fig. 2-3).

(1) Disengage the 4 clips starting at the bottom of the panel.

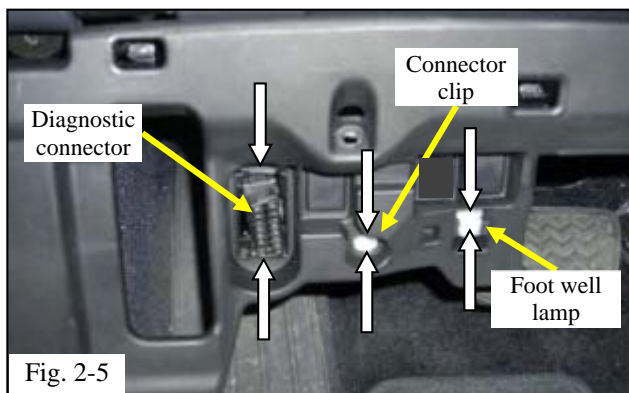
 (2) Use caution when disengaging the top clip as it is fragile.





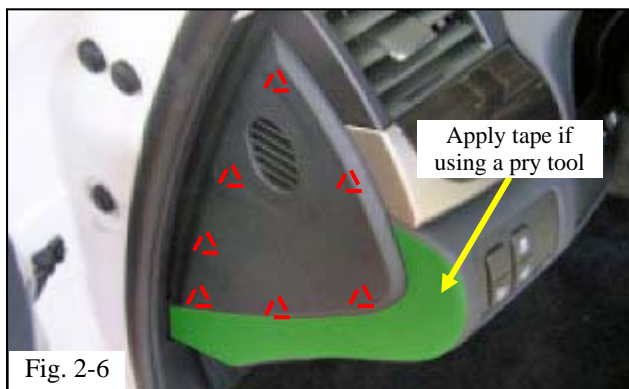
(c) Remove the driver side instrument panel under cover (Fig. 2-4).

- (1) Remove the 3 screws with a Phillips screwdriver.
- (2) Disengage the 2 clips by pressing in on the clip tabs.



(d) Disconnect all connectors and harness clips and remove the foot well lamps from the panel (Fig 2-5).

- (1) Pinch the clips together (white arrows) on the diagnostic port connector and push the connector through the back of the panel.
- (2) Pinch the clips on the connector clip and push the clip through the panel.
- (3) Pinch the clips on the foot well lamp and push the lamp through the back of the panel.
- (4) Disconnect all other electrical connectors.
- (5) Disengage the harness clip on the back side of the panel.



(e) Remove the driver side instrument side panel by disengaging the 7 clips (Fig. 2-6).



Fig. 2-7

- (f) Remove the instrument panel garnish by disengaging the 4 clips (Fig. 2-7).



Fig. 2-8

- (g) Remove the center cluster finish panel (Fig. 2-8).



- (1) Ensure the cup holder door is closed.
- (2) Open the glove box to start removing the panel in a counter-clockwise direction.
- (3) Disengage the 9 clips.
- (4) Disconnect all connectors from the panel and remove it.
- (5) Close the glove box.

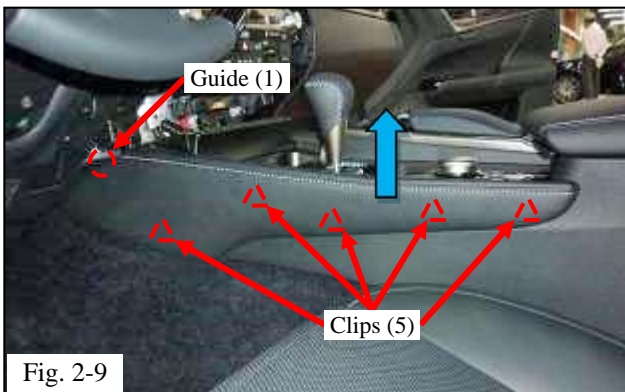
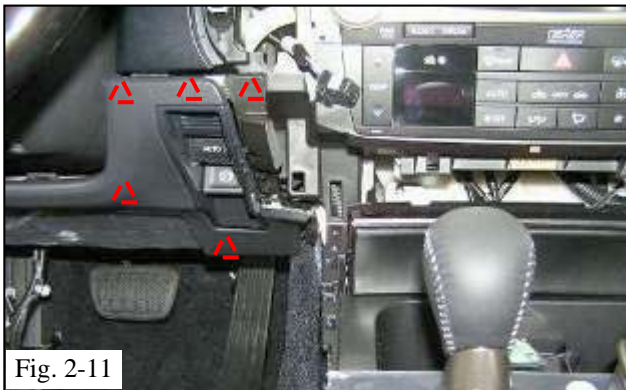


Fig. 2-9

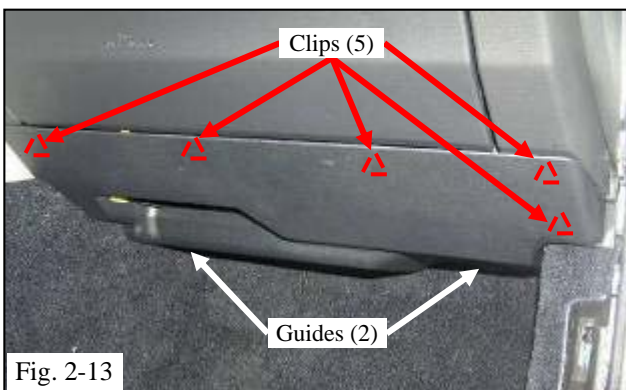
- (h) Remove the driver side center console side panel (Fig. 2-9).
- (1) Disengage the 5 clips by pulling in the direction of the blue arrow.
- (2) Once the clips are disengaged, pull the panel away towards the rear of the vehicle to disengage the guide.



- (i) Remove the driver side lower instrument panel (Fig. 2-10 & Fig. 2-11).
 - (1) Disengage the 11 clips.
 - (2) Pull the panel outward toward the rear of the vehicle (blue arrow).
 - (3) Disconnect all connectors from the panel.

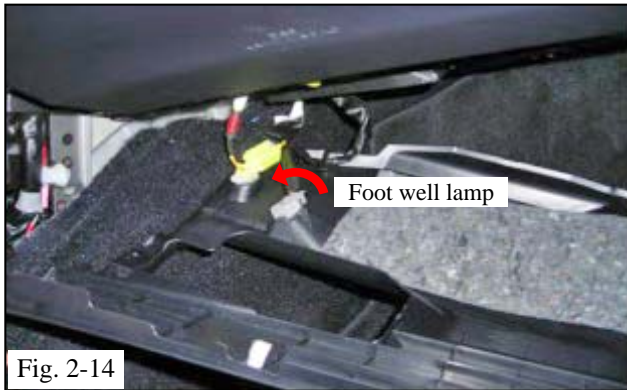


- (j) Remove the passenger side center console side panel (Fig. 2-12).
 - (1) Disengage the 5 clips by pulling in the direction of the blue arrow.
 - (2) Once the clips are disengaged, pull the panel away towards the rear of the vehicle to disengage the guide.

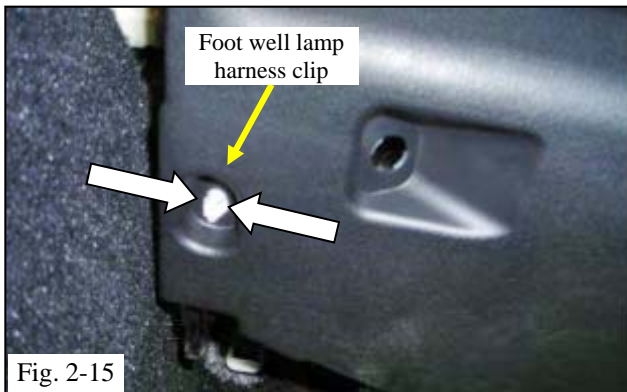


- (k) Remove the passenger side instrument panel under cover (Fig. 2-13).
 - (1) Disengage the 5 clips.
 - (2) Pull the panel outward towards the rear of the vehicle to disengage the 2 guides.

- (1) Disengage all harness clips and the foot well lamp from the back of the panel.



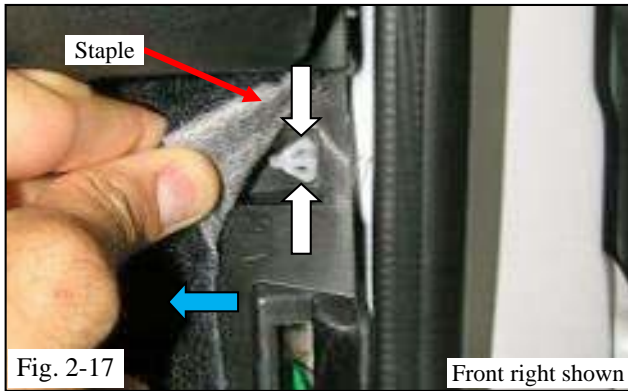
- (1) Rotate the foot well lamp ¼ turn and remove it from the back of the panel (Fig. 2-14).



- (2) From the bottom of the panel, disengage the foot well lamp harness clip (Fig. 2-15).



- (3) Disengage the connector clip from the side of the panel (Fig. 2-16).
- (4) Remove the panel from the vehicle.



(m) Disengage the front left and right inner cowl panels (Fig. 2-17).



(1) Gently pull the carpet back to reveal the clip.

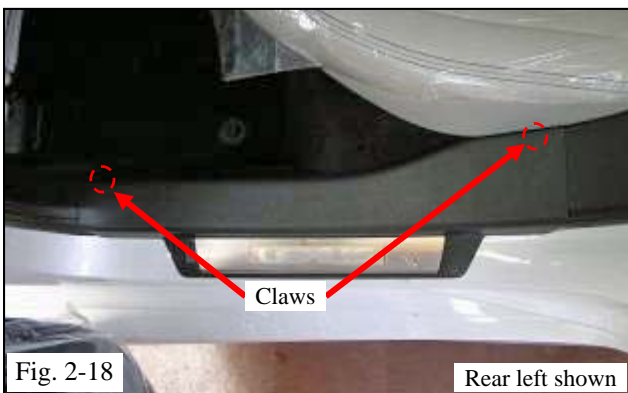


(2) DO NOT tear the carpet from the staple at the top.

(3) Press the clip tines in (white arrows) and pull the cowl panel away from the sidewall (blue arrow), disengaging the hook-and-loop tape.

(n) Remove the driver and passenger side rear door scuff plates.

(1) Disengage the 2 claws from the front and rear bottom corners (Fig 2-18).



(2) Disengage the 8 clips and remove the panel from the vehicle (Fig. 2-19).

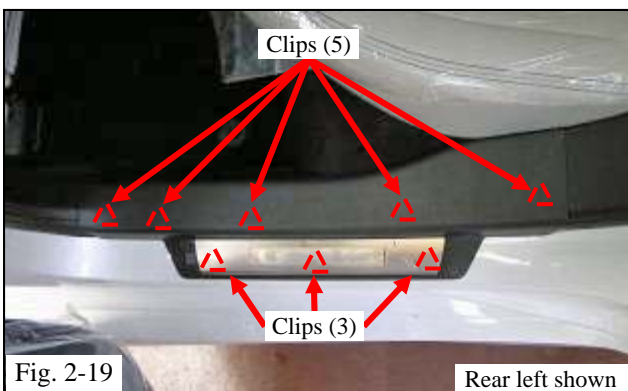
3. Route the Driver Side Front (LH) Illuminated Door Sill Harness.

(a) Locate the front LH door sill.



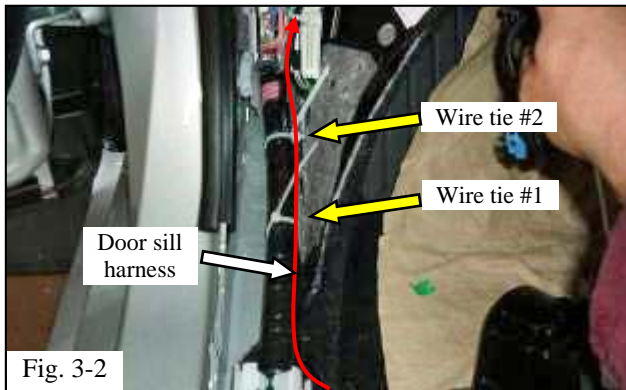
(1) "LH" is indicated on the back of the door sill.

(2) The back of the door sill will have a white dot to indicate the door sill is for the gas model (GS 350 or GS-F) or a blue dot to indicate the door sill is for the hybrid model (GS 450h).





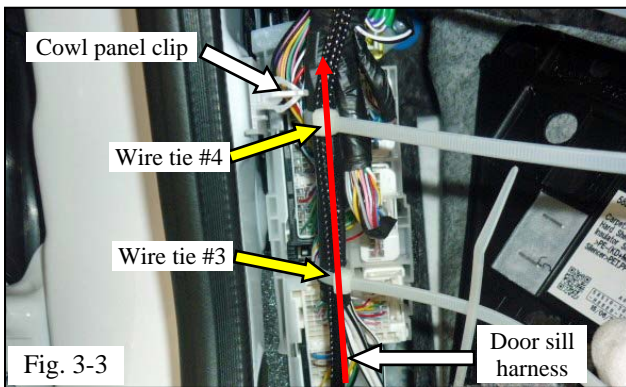
(3) When standing outside the vehicle, the word “LEXUS” will read from left to right (Fig. 3-1).



(b) Route the door sill harness along the OE harness toward the front of the vehicle (Fig. 3-2).

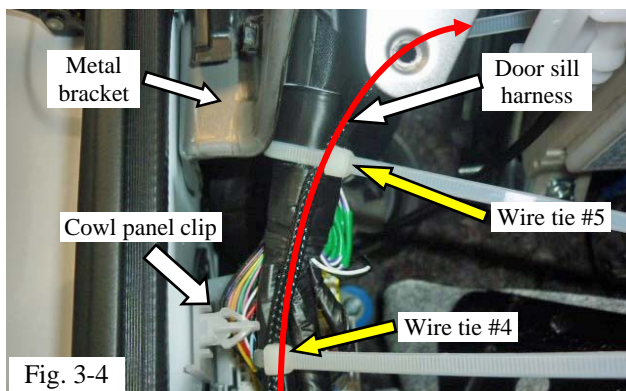
(1) Secure the door sill harness to the OE harness LOOSELY with 2 wire ties.

⚠ (2) The wire ties should be loose so the wire can be adjusted.



(c) Continue to route the harness upwards toward the driver side junction box (Fig. 3-3).

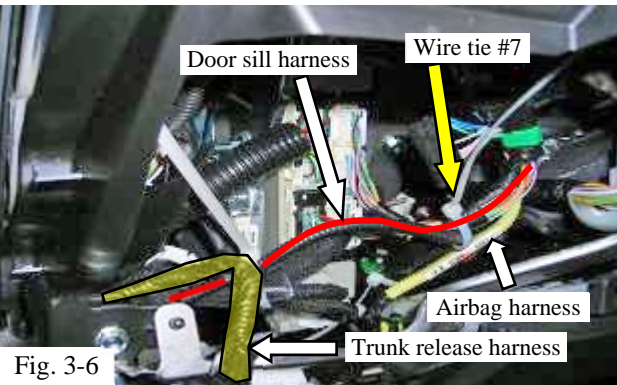
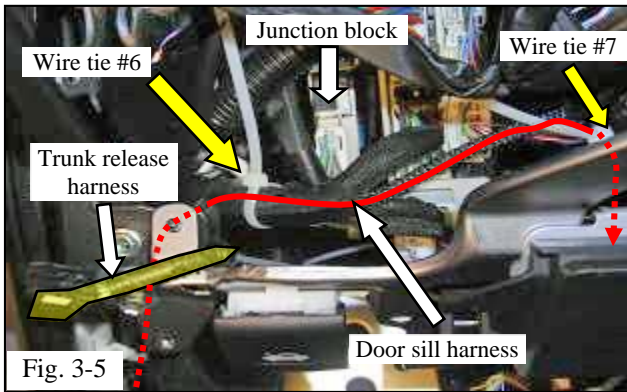
(1) Secure the door sill harness to the OE harness LOOSELY with 3 wire ties.








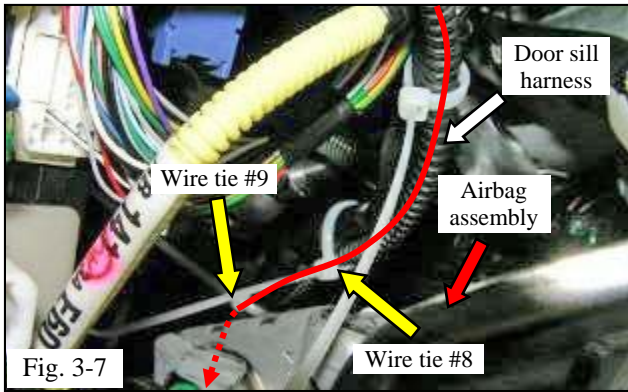
⚠ (2) Wire tie #4 must be positioned close to the cowl panel clip to prevent the clip from contacting the harness (Fig. 3-4).

⚠ (3) Keep the wire harness away from the metal bracket edges (Fig. 3-4).

⚠ (4) The wire ties should be loose so the wire can be adjusted.




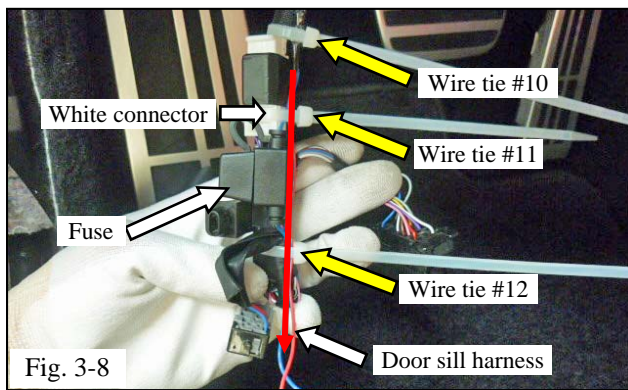
-  (5) Ensure any unprotected OE wires are wrapped with electrical tape before applying wire ties around them.
-  (6) The door sill wire harness should be on the inside of the OE wire harness to prevent pinching when the cowl panel is reinstalled.
- (d) Route the door sill harness across the driver side junction block toward the foot well lamp (Fig. 3-5).
 - (1) Route the harness behind the airbag support and across toward the steering column.
 - (2) Secure the door sill harness to the OE harness LOOSELY with 2 wire ties (Fig. 3-5).
-  (3) The wire ties should be loose so the wire can be adjusted.
-  (4) DO NOT secure the door sill harness to the yellow airbag harness (Fig. 3-6).
-  (5) DO NOT tie the door sill harness to the trunk release harness (Fig. 3-5 & Fig. 3-6).



(e) Route the harness behind the airbag toward the driver side foot well along the OE harness. Ensure the door sill harness is secured to the OE harness between the airbag and the OE harness (Fig. 3-7).

(1) Secure the door sill harness to the OE harness loosely with 2 wire ties.


 (2) The wire ties should be loose so the wire can be adjusted.




(f) Route the end of the harness down toward the foot well lamp with blue and red wires (Fig. 3-8).

(1) Secure the door sill harness to the OE harness loosely with 3 wire ties.

(2) The fuse should be secured between two wire ties just under the white connector.

 (3) Ensure any unprotected OE wires are wrapped with electrical tape before applying wire ties around them.

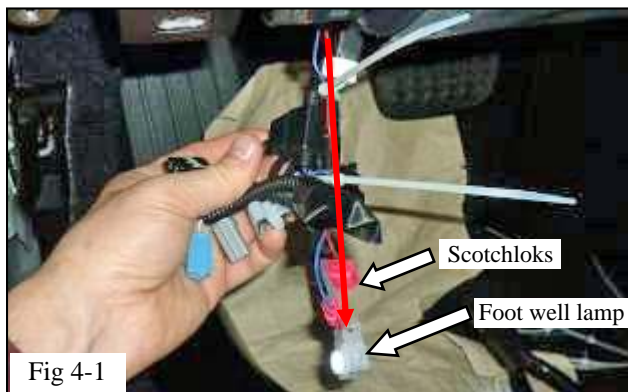
 (4) The wire ties should be loose so the wire can be adjusted.

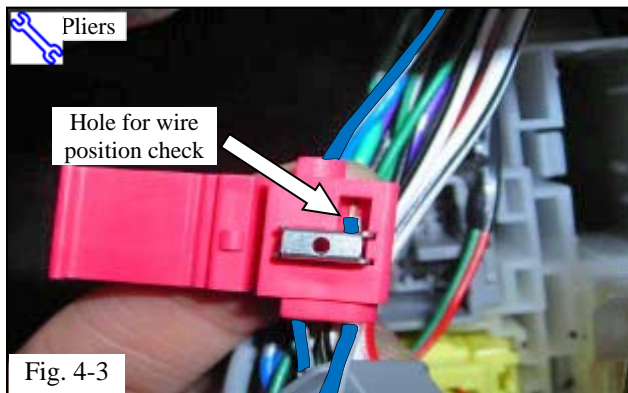
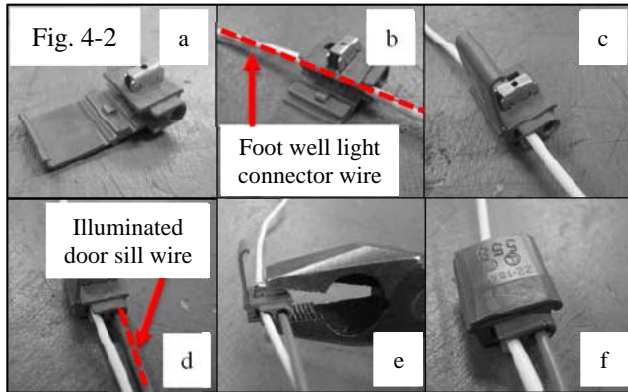
4. Install the Driver Side Scotchloks.

(a) Locate the **BLUE** wire on the foot well lamp (Fig. 4-1).

(1) If necessary, undo the electrical tape holding the blue and gray connector ends together to get better access.

(2) About 25mm of wire protection may need to be cut back to install Scotchloks.






(b) Install a Scotchlok to the **BLUE** wire connected to the foot well lamp.

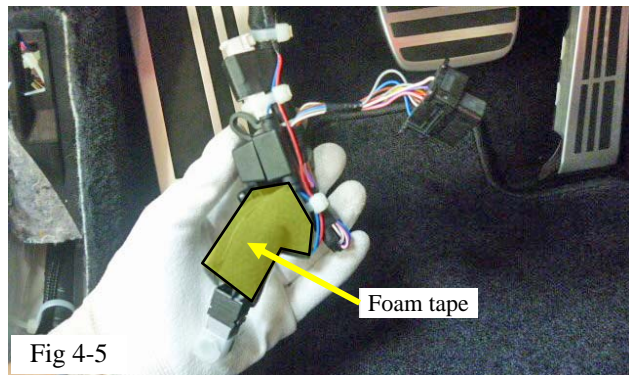
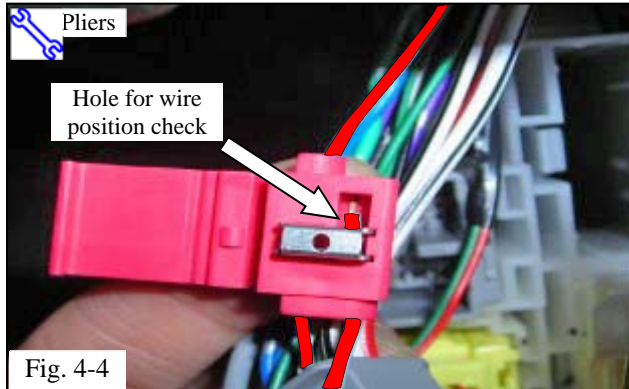
(1) Position the open side of the Scotchlok on to the **BLUE** wire, approximately 10mm from the connector end. Close the side to secure the wire in place (Fig. 4-2, a-c).

(2) Insert the **BLUE** fused wire from the illuminated door sill into the Scotchlok. The wire should be visible through the hole if it is inserted all the way (Fig. 4-3).

 (3) Use pliers to push the metal tab down to splice the wires. Make sure both wires are spliced correctly (Fig. 4-2, d-e).

(4) Snap the plastic cover in place by hand (Fig. 4-2, f).


(c) Locate the **RED** wire on the foot well lamp (Fig. 4-1).



- (d) Install a Scotchlok to the **RED** wire connected to the foot well lamp.
 - (1) Position a Scotchlok on the **RED** wire, just above the Scotchlok on the blue wire. Close the side to secure it on the wire (Fig. 4-2, a-c).
 - (2) Insert the **RED** wire from the illuminated door sill into the Scotchlok. The wire should be visible through the hole if it is inserted all the way (Fig. 4-4).
 - ⚠ (3) Use pliers to push the metal tab down to splice the wires. Make sure both wires are spliced correctly (Fig. 4-2, d-e).
 - (4) Snap the plastic cover in place by hand (Fig. 4-2, f).
- (e) Wrap the pair of Scotchloks together with one piece of foam tape (Fig. 4-5).
- ⚠ (f) Starting at the foot well lamp and working back towards the door sill, tighten all of the wire ties. Ensure no excess slack exists in the harness. Refer to Fig. 3-2 through Fig. 3-8 for wire tie locations.
- ⚠ (g) Trim all wire ties. Cut wire tie ends should not be facing bare wires.

5. Route the Passenger Side (RH) Illuminated Door Sill Harness.

(a) Locate the front RH door sill.

 (1) "RH" is indicated on the back of the door sill.

(2) The back of the door sill will have a white dot to indicate the door sill is for the gas model (GS 350 or GS-F) or a blue dot to indicate the door sill is for the hybrid model (GS 450h).


(3) When standing outside the vehicle, the word "LEXUS" will read from left to right (Fig 5-1).



Fig. 5-1

(b) Route the door sill harness along the OE wire harness toward the front of the vehicle (Fig. 5-2).

(1) Secure the door sill harness to the OE harness LOOSELY with 2 wire ties.

 (2) The wire ties should be loose so the wire can be adjusted.

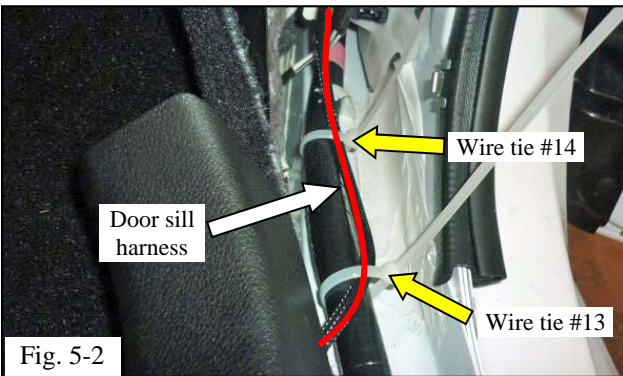


Fig. 5-2

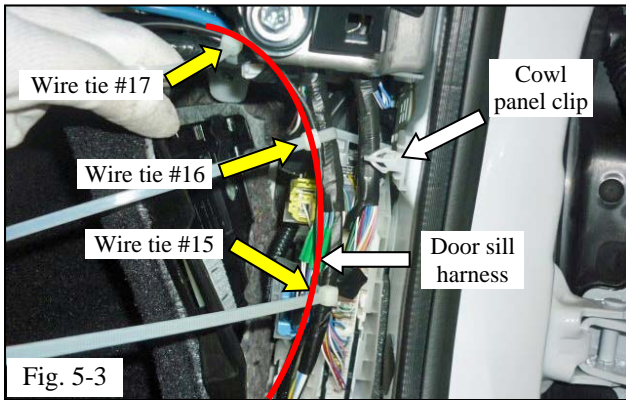


Fig. 5-3

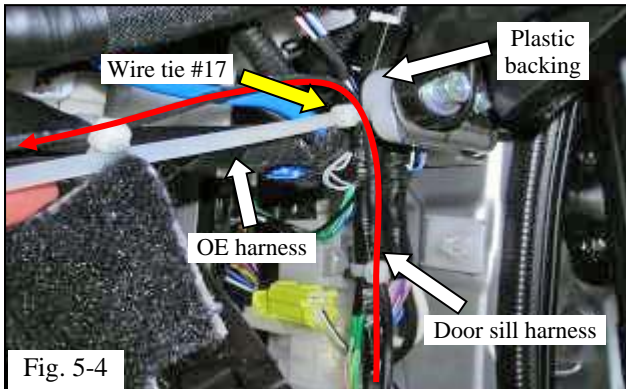


Fig. 5-4

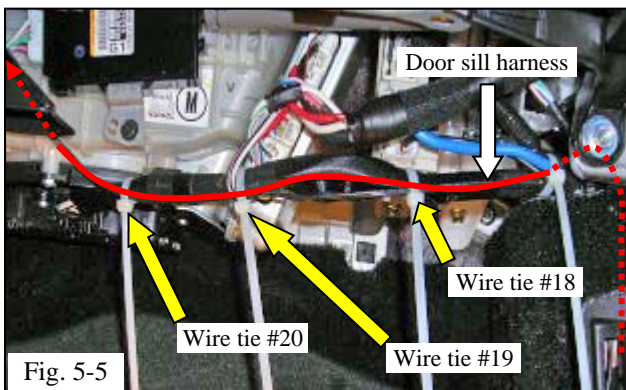


Fig. 5-5

(c) Continue to route the harness upwards toward the passenger side junction box (Fig. 5-3 & Fig. 5-4).

(1) Secure the door sill harness to the OE harness LOOSELY with 3 wire ties.



(2) Wire tie #16 must be positioned close to the cowl panel clip to prevent the clip from contacting the harness (Fig. 4-4).



(3) The wire ties should be loose so the wire can be adjusted.



(4) Ensure any unprotected OE wires are wrapped with electrical tape before applying wire ties around them.



(d) Route the door sill harness up above the OE harness behind the plastic backing and secure it to the OE harness LOOSELY with 1 wire tie (Fig. 5-4).

(1) The harness should be routed above the OE harness so that the cowl panel will not pinch the harness when reinstalled.



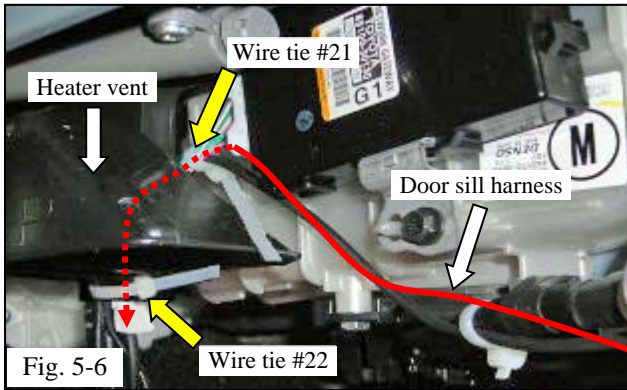
(2) The wire ties should be loose so the wire can be adjusted.

(e) Route harness across the bottom of the passenger side lower instrument panel area along the OE harness (Fig. 5-5).

(1) Secure the door sill harness to the OE harness LOOSELY with 3 wire ties.




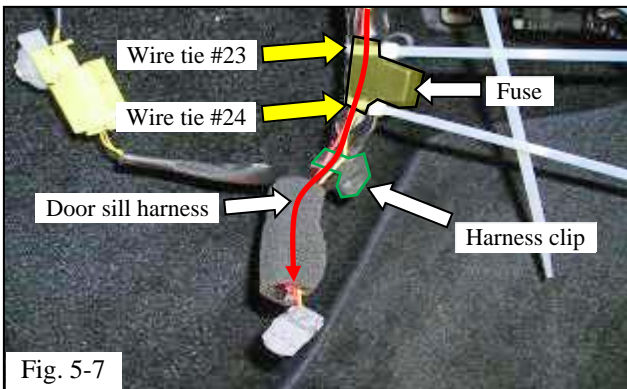
(2) The wire ties should be loose so the wire can be adjusted.



(f) Route the door sill harness to the OE harness connected to the ECU and then down to the bottom behind the heater vent (Fig. 5-6).

(1) Secure the door sill harness to the OE harness LOOSELY with 2 wire ties.


 (2) The wire ties should be loose so the wire can be adjusted.




(g) Route the door sill harness down the OE harness to the passenger side foot well lamp (Fig. 5-7).

(h) Secure the door sill harness to the OE harness LOOSELY with 2 wire ties.


(1) Locate the fuse above the harness clip (Fig. 5-7).

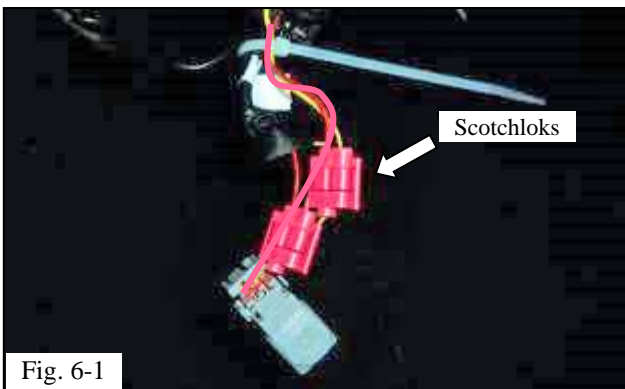
 (2) Ensure any unprotected OE wires are wrapped with electrical tape before applying wire ties around them.

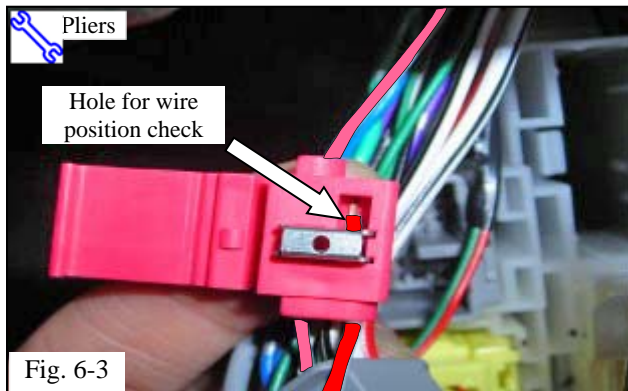
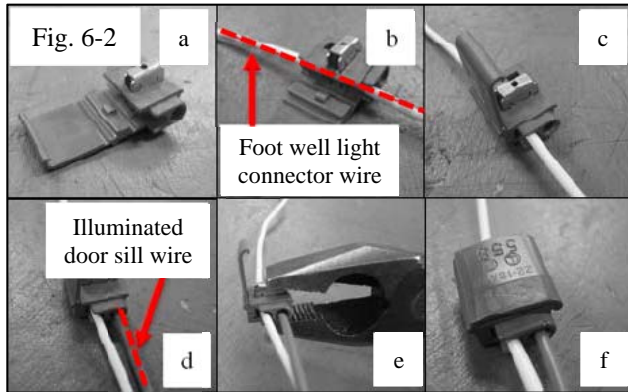
 (3) The wire ties should be loose so the wire can be adjusted.

6. Install the Passenger Side Scotchloks.

(a) Locate the **PINK** wire on the foot well lamp (Fig. 6-1).

 **NOTE:** About 25mm of wire protection may need to be cut back to install Scotchloks.






(b) Install a Scotchlok to the **PINK** wire connected to the foot well lamp.

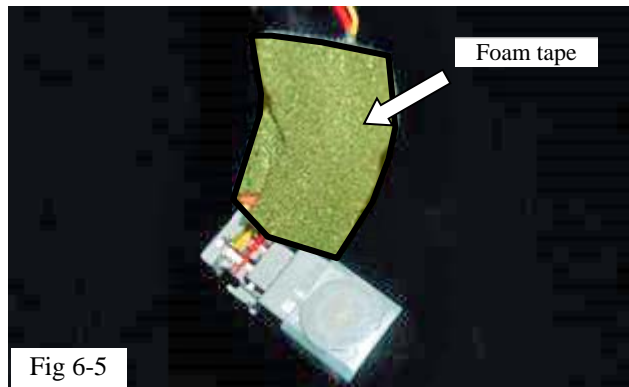
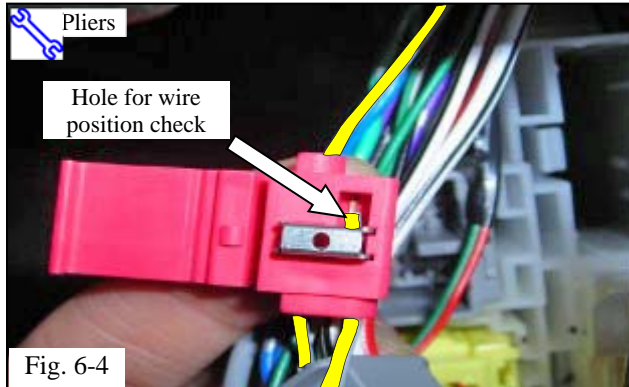
(1) Position the open side of the Scotchlok on to the **PINK** wire, approximately 10mm from the connector end. Close the side to secure the wire in place (Fig. 6-2, a-c).

(2) Insert the **RED** fused wire from the illuminated door sill into the Scotchlok. The wire should be visible through the hole if it is inserted all the way (Fig. 6-3).

 (3) Use pliers to push the metal tab down to splice the wires. Make sure both wires are spliced correctly (Fig. 6-2, d-e).

(4) Snap the plastic cover in place by hand (Fig. 6-2, f).

(c) Locate the **YELLOW** wire on the foot well lamp (Fig. 6-1).



- (d) Install a Scotchlok to the **YELLOW** wire connected to the foot well lamp.
 - (1) Position a Scotchlok on the **YELLOW** wire, just above the Scotchlok on the red or pink wire. Close the side to secure it on the wire (Fig. 6-2, a-c).
 - (2) Insert the **YELLOW** wire from the illuminated door sill into the Scotchlok. The wire should be visible through the hole if it is inserted all the way (Fig. 6-4).
 - ⚠ (3) Use pliers to push the metal tab down to splice the wires. Make sure both wires are spliced correctly (Fig. 6-2, d-e).
 - (4) Snap the plastic cover in place by hand (Fig. 6-2, f).
- (e) Wrap the pair of Scotchloks together with one piece of foam tape (Fig. 6-5).
- ⚠ (f) Starting at the Scotchloks, and working back towards the door sill, tighten all twelve (12) wire ties. Ensure no excess slack exists in the harness. Refer to Fig. 5-2 through Fig. 5-7 for wire tie locations.
- (g) Trim all wire ties. Cut wire tie ends should not be facing bare wires.




7. Perform a Function Test.

- (a) Temporarily reconnect the negative battery cable. If required, install the 30A DCC fuse.
 - (1) The door sill light should be on with the doors open (Fig. 7-1).
 - (2) The door sill light color should be:
 - (i) **WHITE for gas vehicles (GS 350 & GS-F).**
 - (ii) **BLUE for hybrid vehicles (GS 450h).**
- (b) With the vehicle in the off position, the rear doors and trunk closed, press in both front door courtesy switches to check the function of the front door scuff plates. The door sill lights should turn off when all of the doors are closed or the courtesy switches are pressed in.
- (c) Disconnect the negative battery cable.
- (d) Remove the 30A DCC fuse, if required.

8. Reassemble the Vehicle.

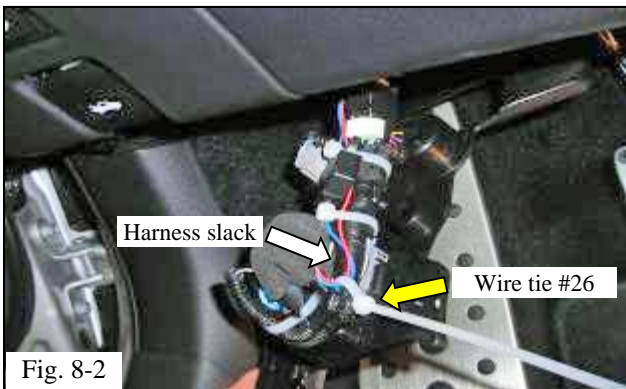
- (a) Reinstall both front inner cowl panels.
- (b) Reinstall the passenger side lower instrument panel under panel.
 - ⚠ (1) Reconnect all disconnected connectors.
 - (2) Secure all wire harness clips to the panel.
- (c) Reinstall the driver side lower instrument panel.
 - ⚠ (1) Reconnect all disconnected connectors.
 - (2) Secure all wire harness clips to the panel.

- (d) Reinstall the driver side instrument panel upper trim panel.
- (e) Reinstall the driver side instrument panel side panel.
- (f) Reinstall the driver side instrument panel under panel.

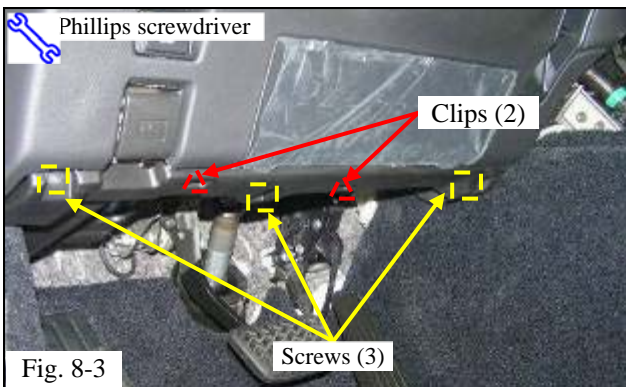
 (1) Reinstall all connectors and connector clips to the driver side lower instrument panel under panel (Fig. 8-1).




- (2) Secure any slack from the illuminated door sill harness to the OE harness with 1 wire tie (Fig. 8-2).
- (3) Trim all wire ties.



- (4) Reattach the 2 clips on the driver side instrument panel under panel to the vehicle (Fig. 8-3).



 (5) Check the fitment of the panel and ensure sufficient clearance exists between the wire harness and the brake return spring. Ensure about 10mm of clearance between any wires and the brake return spring.

- (6) If sufficient clearance does not exist, remove the panel and adjust the harness to provide enough clearance. Secure the harness with wire ties.

(7) Reinstall the 3 screws (Fig. 8-3).

(g) Reinstall both center console side panels.

(h) Reinstall the radio center cluster finish panel.



(1) Reconnect all disconnected connectors.

(2) Secure all wire harness clips to the panel.

(i) Reinstall both outer door opening trim panels.

(j) Reinstall the negative battery cable (gas Fig. 8-4, hybrid Fig. 8-5).

(1) Position the negative battery cable at the original factory position.

(2) Tighten the nut to 48 in-lbf (5.4 N-m) of torque.



Torque: 48 in-lbf (5.4 N-m)



(3) Do not touch the positive battery terminal with any tool when replacing the cable.

(4) Replace the negative battery terminal cover (for gas) or battery cover (for hybrid).



Fig. 8-4



Fig. 8-5

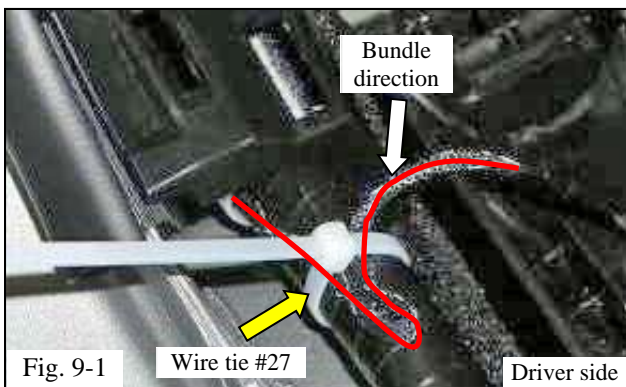


Fig. 9-1

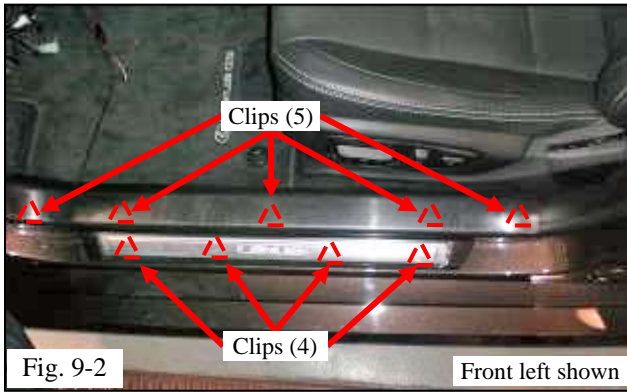
Wire tie #27

Driver side

9. Install the Front Door Sills.



(a) Bundle the driver side excess wire harness and attach it to the OE harness with 1 wire tie (Fig. 9-1). Trim the wire tie.



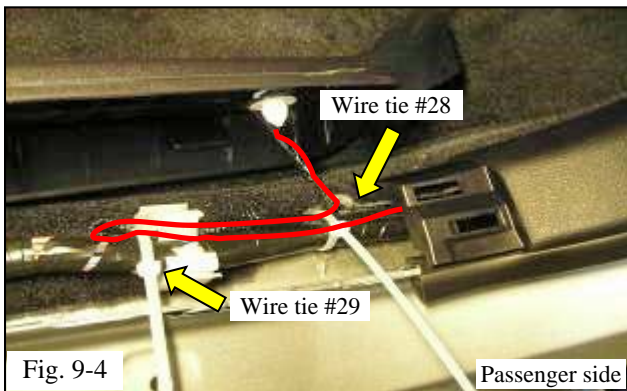
(b) Line up the 4 outer clips with the mounting holes in the body and the 5 inner clips to the clip holders. Gently push the door sill down to engage all clips (Fig. 9-2).

NOTE: Ensure the door sill wire harness is not pinched between the door sill and the body or any clips.



(c) Engage the claws at the front and rear corners (Fig. 9-3).

STOP NOTE: Do not pull the protective tape off of the door sill.



STOP (d) Bundle the passenger side excess wire harness and attach it to the OE harness with 2 wire ties (Fig. 9-4).

NOTE: The harness should sit inside the white harness clip.

(e) Line up the 4 outer clips with the mounting holes in the body and the 5 inner clips to the clip holders. Gently push the door sill down to engage all clips (Fig. 9-2).

NOTE: Ensure the door sill wire harness is not pinched between the door sill and the body or any clips.

- (f) Engage the claws at the front and rear corners (Fig. 9-3).

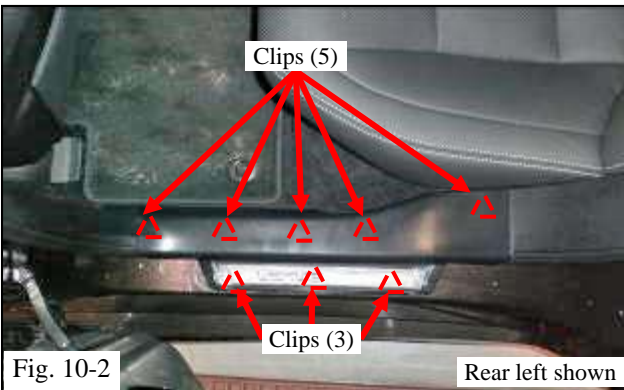
STOP NOTE: Do not pull the protective tape off of the door sill.

10. Install the Rear Door Sills.

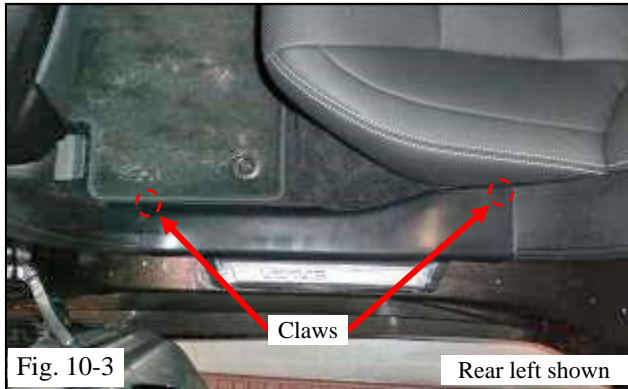
- (a) Locate the rear Right Hand (RH) door sill and rear Left Hand (LH) door sill. The Right Hand door sill is for the passenger side and the Left Hand is for the driver side.



- (1) When installing the door sill on the correct side, the word “LEXUS” will read left to right from outside of the vehicle (Fig. 10-1).
- (2) “RH” and “LH” is indicated on the back of the door sill.



- (b) Line up the 3 outer clips to the mounting holes in the body and the 5 interior clips to the inner clip holders. Gently push the door sill down to engage all of the clips (Fig. 10-2).



(c) Engage the 2 claws on the front and rear corners of the door sill (Fig. 10-3).

⚠ NOTE: Make sure the door sill is properly snapped down in place and that the part does not lift or have any uneven gap around the edges.

11. Complete the Installation.

- (a) Perform any accessory or vehicle function checks.
- (b) If required, replace the short pin to its original position.
- (c) Clean up and remove any trash.

LEXUS GS 350/450h/GS-F 2016 - ILLUMINATED DOOR SILLS
 Checklist - these points **MUST** be checked to ensure a quality installation.

Check: _____	Look For: _____
<p><u>Accessory Function Checks</u></p> <p><input type="checkbox"/> Door sill fitment</p> <p><input type="checkbox"/> Open a door</p> <p><input type="checkbox"/> Press in all courtesy switches</p>	<p>No uneven gaps around the edges and clips securely fastened.</p> <p>Door sill light turns on</p> <p>Door sill light turns off after 15 seconds</p>
<p><u>Vehicle Function Checks</u></p> <p><input type="checkbox"/> Start/Stop button</p> <p><input type="checkbox"/> Headlamp washer button (if equipped)</p> <p><input type="checkbox"/> VSC/Traction control button</p> <p><input type="checkbox"/> Heated steering wheel button (if equipped)</p> <p><input type="checkbox"/> Blind Spot Monitor button</p> <p><input type="checkbox"/> Auto parking brake switch</p> <p><input type="checkbox"/> PCS button (if equipped)</p> <p><input type="checkbox"/> AFS button (if equipped)</p> <p><input type="checkbox"/> Foot well lamps</p> <p><input type="checkbox"/> Trunk release button</p> <p><input type="checkbox"/> Panels</p>	<p>Start/Stop functions normally</p> <p>Headlamp washers function normally</p> <p>VSC/Traction control functions normally</p> <p>Heated steering wheel functions normally</p> <p>BSM function normally</p> <p>Parking brake functions normally</p> <p>PCS functions normally</p> <p>AFS functions normally</p> <p>Foot well lamps function normally</p> <p>Trunk release functions normally</p> <p>Proper fitment, no uneven gaps</p>
<p><u>Vehicle Appearance Check</u></p> <p><input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection.</p>	<p>Ensure no damage (including scuffs and scratches) was caused during the installation process.</p> <p>(For PPO installations, refer to TMS Accessory Quality Shipping Standard.)</p>