

Part Number: PT922-21112

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Door Sill, Front Right Hand
2	1	Door Sill, Front Left Hand
3		
4		
5		
6		

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1		
2		

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1	1	PT922-21110 ECU & Switch Kit
2		
3		

Conflicts

Door sill enhancements

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Safety Gloves	Optional
Vehicle Protection	Blankets, Part Boxes
Special Tools	Notes
Heat gun	For installations done in cold weather.
IR temperature gun	For installations done in cold weather.
Installation Tools	Notes
Scissors	
Socket	10mm
Socket wrench	
Side cutters	
Non-scratch wiping cloth	3M Micro-fiber
Torque Wrench	
Special Chemicals	Notes
All purpose cleaner	Mild water based, solvent free all purpose cleaner.

NOTE: Part number of this accessory may not be the same as the part number shown.

General Applicability

All 2011 Scion tC Vehicles

Recommended Sequence of Application







Item #	Accessory
1	Security & RES
2*	Interior Light Controller Kit (For illuminated door sills and interior light kit)
3	Illuminated Door Sills and/or Interior Light Kit
4	Blu Logic
5	Audio

***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.

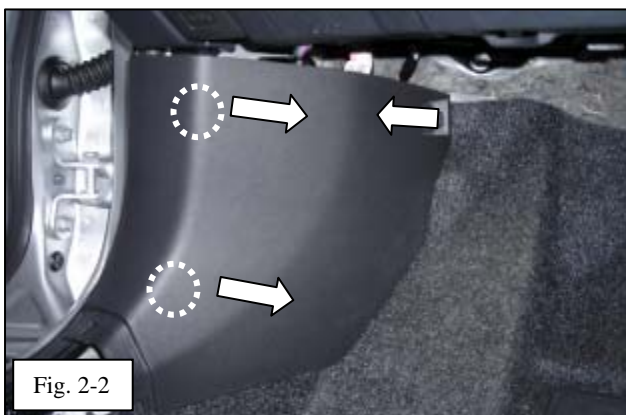
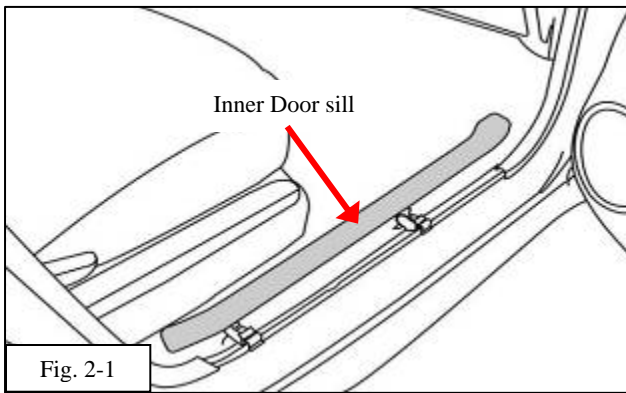
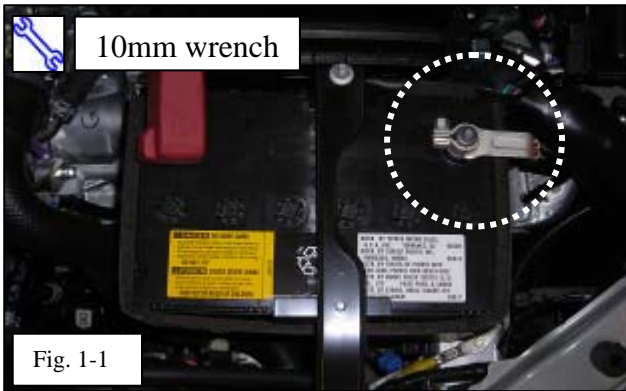
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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 Toyota dealer for a copy of this document.



1. Preparation



(A) THIS KIT REQUIRES INTERIOR LIGHT CONTROLLER KIT PT922-21110 TO BE INSTALLED. PLEASE SEE INSTALLATION INSTRUCTIONS FOR PT922-21110 AND INSTALL PRIOR TO INSTALLING ILLUMINATED DOOR SILLS.

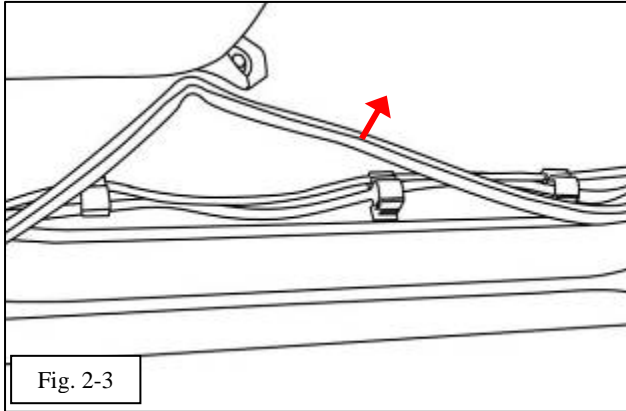
- (b) Inspect all kit components and check for damage or missing parts.
- (c) Remove the negative battery terminal. (Fig. 1-1)



(1) Do not touch the positive terminal with any part of the tool when removing cable.

2. Vehicle disassembly

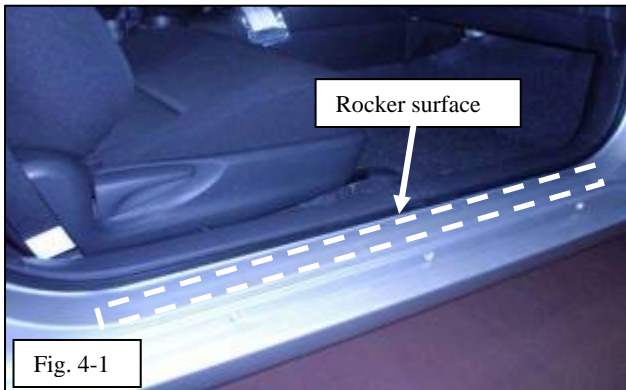
- (a) Remove the front left and front right inner door scuff panels. (Fig. 2-1)
- (b) Remove the front left and front right cowl side covers. (Fig. 2-2)
 - (1) Pull the cowl panel from the retaining stud.
 - (2) Pull the cover straight away from the body to detach the two clips.
 - (3) If a clip is stuck to the body after removal, remove the clip and reattach it to the cowl cover.



(c) Detach the front left and right weather strip from the pinch weld. (Fig. 2-3)

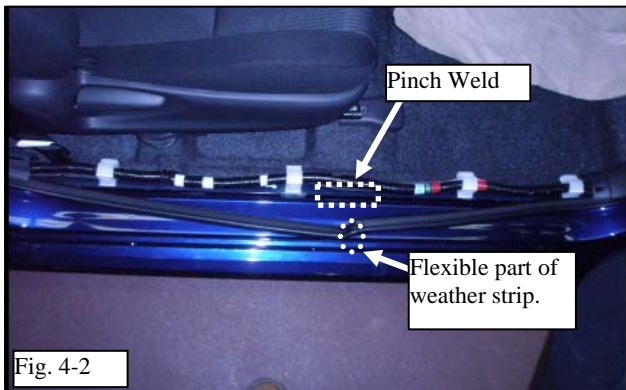
3. Paper Templates

- (a) Cut out installation templates located on the last page of the installation instructions.
 - (1) Check the two inch reference on the paper templates to make sure the templates are printed to the correct scale.
 - (2) Using scissors, cut out the paper templates.
 - (3) Fold the paper templates according to the folded view.



4. Install PASSENGER SIDE door sill plate.

(a) Clean the rocker surface. (Fig. 4-1) and pinch weld area by the flexible portion of the weather strip. (Fig. 4-2)



(1) Use an approved all purpose cleaner and a clean, non-scratch cloth.

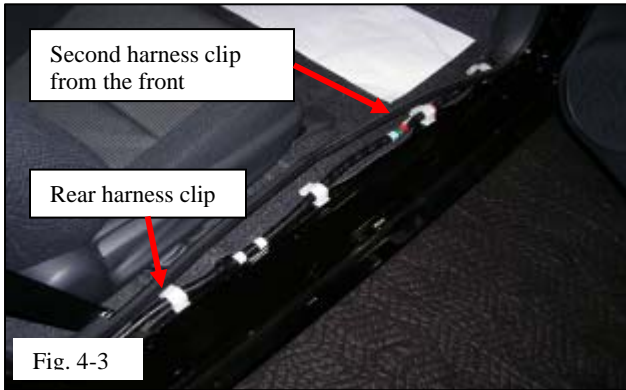


(2) Surface must be free from all contaminants (plastic protectants, oily - substances, dirt, etc.)

(b) Installation Temperature



- (1) The Door Sill Protector and Sill surface temperature must be between 60° F and 90° F at time of actual installation.
- (2) If necessary, a blow drier can be used to heat the part and surface to correct installation temperature.

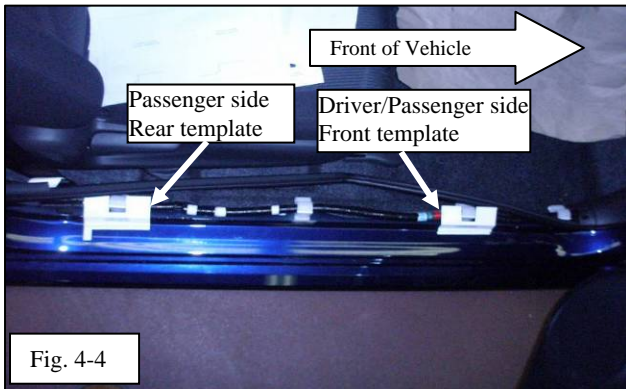


(c) Install the PASSENGER SIDE door sill paper templates. (Fig. 4-3 & 4-4).

- (1) Place the Passenger Side Rear locating template on rear harness clip. Secure the template with tape.

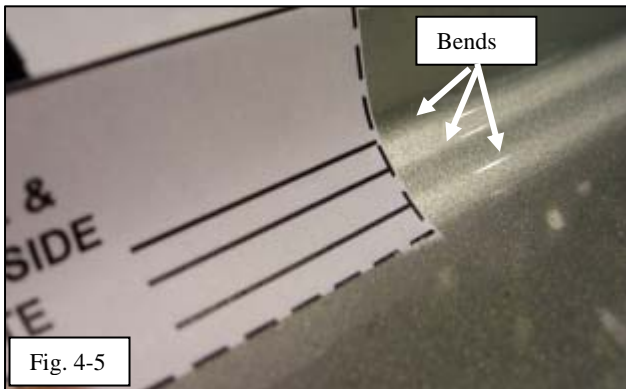


- (1) The lines on the template should line up to the bends on the rocker surface. (Fig. 4-5)



- (2) Make sure the tape is not placed in the area where the door sill will attach to.

- (2) Place the Passenger side front locating template on the second harness clip from the front. Secure the template with tape.



- (1) The lines on the template should line up to the bends on the rocker surface. (Fig. 4-5)



- (2) Make sure the tape is not placed in the area where the door sill will attach to.

(d) Locate the Right Hand (RH) door sill plate.



- (1) The part will have a RH indicator on the back.



(e) Check the fitment and alignment of the RH door sill plate with the paper templates.

- (1) The left corner edge of the door sill should line up to the inside left corner of the rear paper template. (Fig. 4-6)

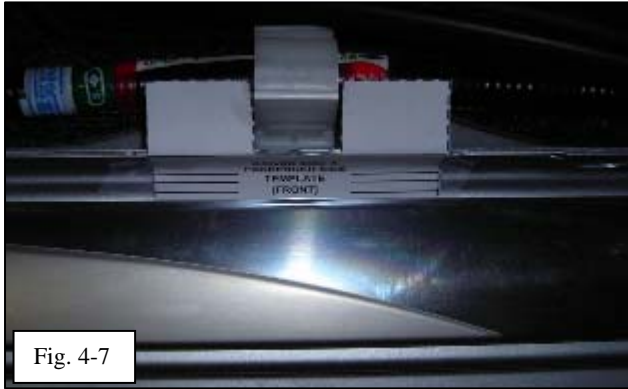


Fig. 4-7

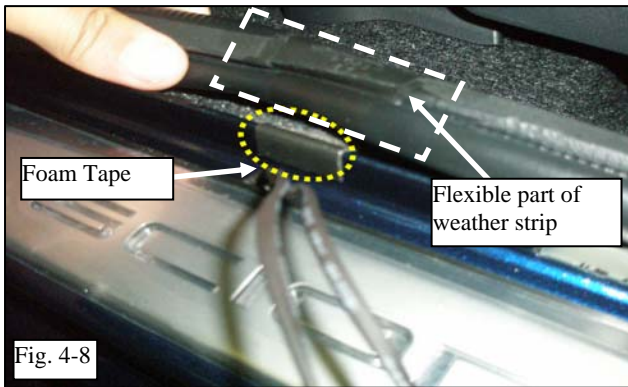


Fig. 4-8



Fig. 4-9

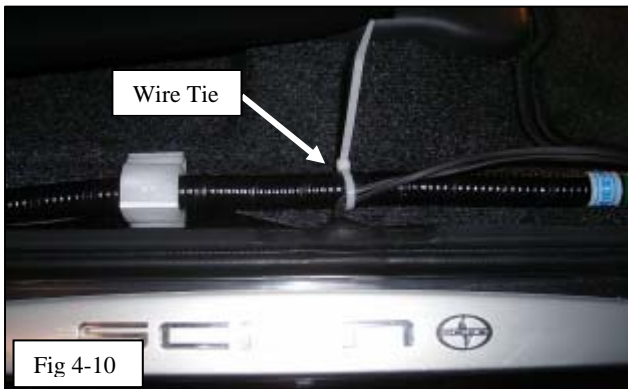


Fig. 4-10

(2) The back edge of the door sill plate should line up to the front of both paper template edges. (Fig. 4-6 & 4-7)

(3) The edge of the door sill plate should be an even distance from the edge of the rocker.

(f) Remove the tape liners from the back of the door sill and align the door sill to the rocker using the paper templates.



(1) Make sure the wire harness is not in the way when applying the door sill to the rocker.

(g) When the door sill is in the correct position, apply firm and even pressure across the entire surface of the door sill plate, starting from the center and working outward to secure the tape.



(1) Make sure door sill is properly taped down in place and that there is no lifting or uneven gaps around the edges.

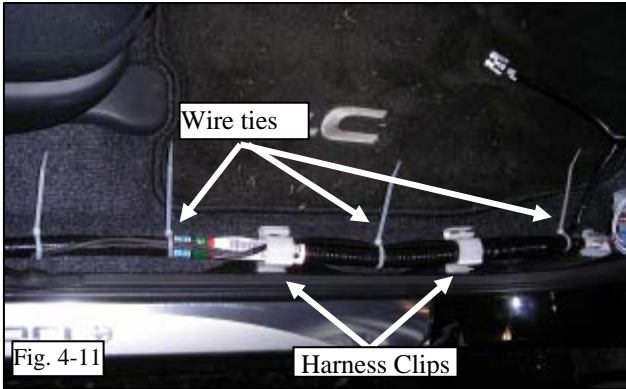
(h) Remove paper templates and tape.

(i) Place a small foam tape over the pinch weld area where the flexible portion of the weather strip is installed. (Fig. 4-8)

(j) Route the harness over the foam tape and secure it with a second piece of small foam tape over the first piece. (Fig. 4-9)

(k) Reinstall the weather strip to the pinch weld.

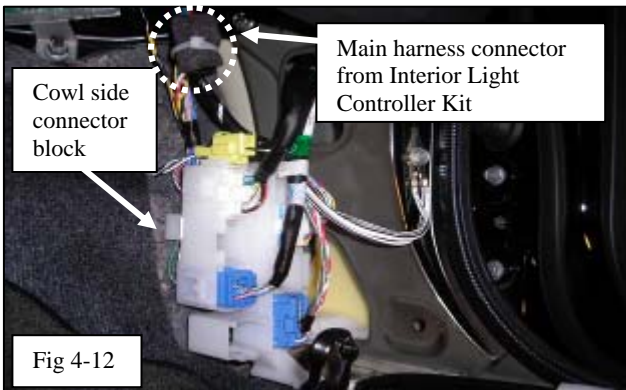
(l) Run the harness to the OE harness and secure with one (1) wire tie as shown. (Fig. 4-10)



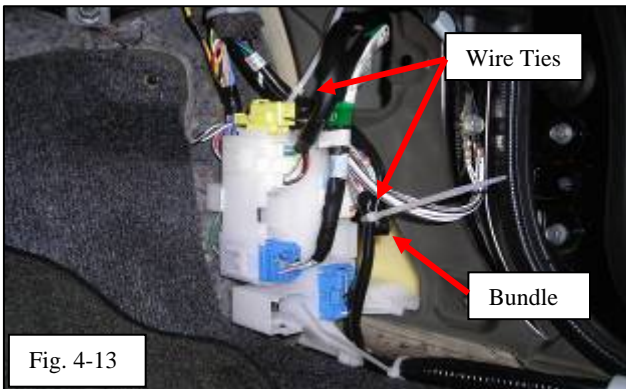
(m) Route harness along the OE harness toward the front of the vehicle and secure with three (3) wire ties as shown. (Fig. 4-11)



- (1) Make sure the harness goes through the two harness clips.
- (2) The harness clip can be opened by pulling outward on the retaining tab located to the right of the clip.



(n) Locate the Interior Light Controller main harness connector that was installed from PT922-21110. It should be located above the cowl side connector block. (Fig. 4-12)

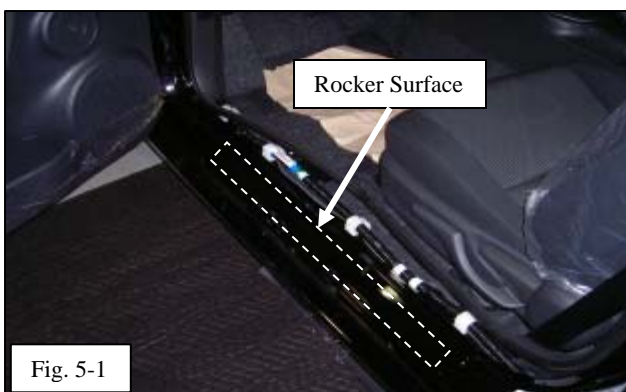


(o) Route the harness along the OE harness in front of and above cowl side connector block. Plug the illuminated door sill connector into the main harness connector.

(p) Secure the illuminated door sill harness to the OE harness with two (2) wire ties as shown. (Fig. 4-13)

- (1) Bundle and secure any excess to the OE harness as shown.

(q) Trim any excess off the wire ties.

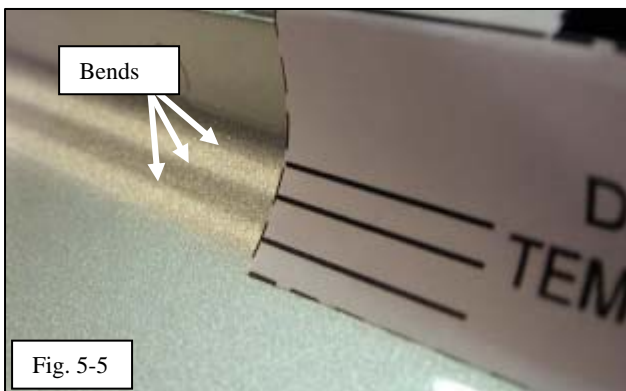
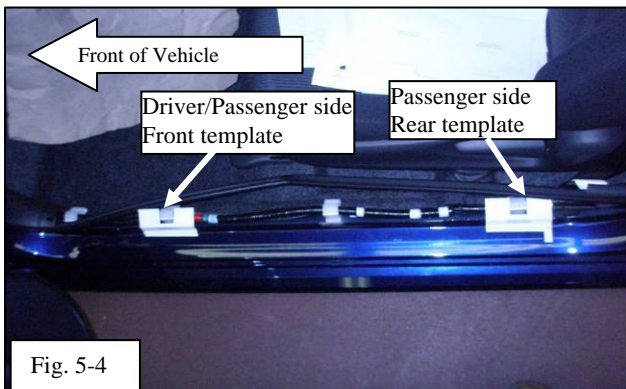
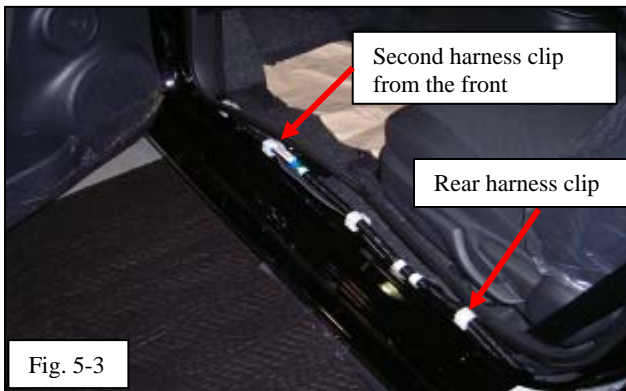
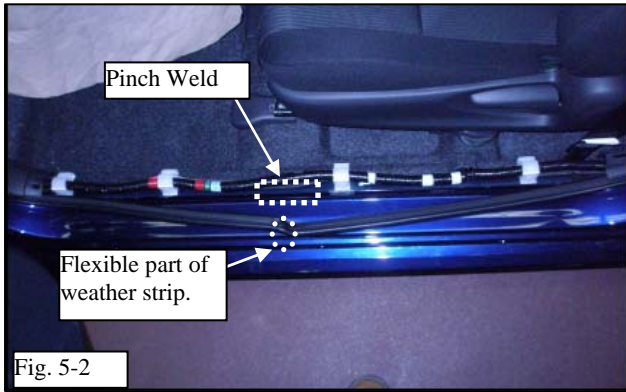


5. Install DRIVER SIDE door sill plate.

(a) Clean the rocker surface (Fig. 5-1) and pinch weld (Fig. 5-2).



- (1) Use an approved all purpose cleaner and a clean, non-scratch cloth.



(2) Surface must be free from all contaminants (plastic protectants, oily - substances, dirt, etc.)

(b) Installation Temperature



(1) The Door Sill Protector and Sill surface temperature must be between 60° F and 90° F at time of actual installation.

(2) If necessary, a blow drier can be used to heat the part and surface to correct installation temperature.

(c) Install the DRIVER SIDE door sill paper templates (Fig. 5-3 & 5-4).

(1) Place the DRIVER/PASSENGER SIDE FRONT paper template on the second harness clip from the front.



(1) The lines on the template should line up to the bends on the rocker surface. (Fig. 5-5)



(2) Make sure the tape is not placed in the area where the door sill will attach to.

(2) Place the DRIVER SIDE REAR paper template, on the rear harness clip and secure with tape.



(1) The lines on the template should line up to the bends on the rocker surface. (Fig. 5-5)



(2) Make sure the tape is not placed in the area where the door sill will attach to.



Fig. 5-6

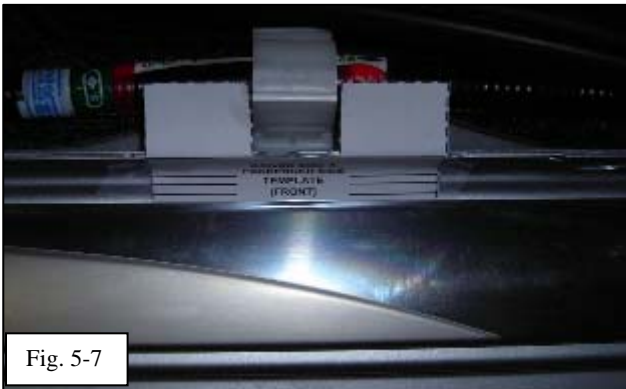


Fig. 5-7

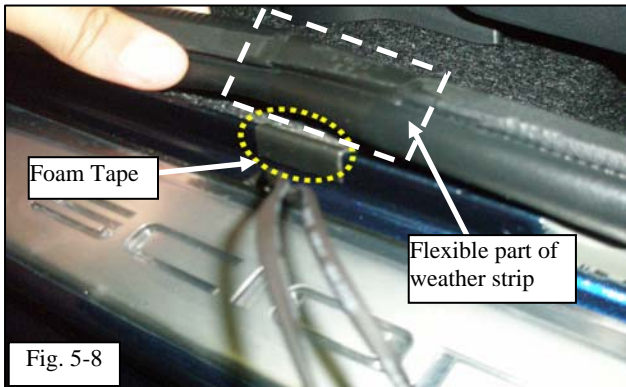


Fig. 5-8

- (d) Check the fitment and alignment of the LH door sill plate with the paper templates.
 - (1) The right edge of the door sill should line up to the inside right corner of the rear paper template. (Fig. 5-6)
 - (2) The back edge of the door sill plate should line up to the front of both paper template edges. (Fig. 5-6 & Fig. 5-7)
 - (3) The edge of the door sill plate should be an even distance from the edge of the rocker.
- (e) Remove the tape liners from the back of the door sill and install the door sill to the rocker using the paper templates.
 - ⚠ (1) Make sure the wire harness is not in the way when applying the door sill to the rocker.
- (f) When the door sill is in the correct position, apply firm and even pressure across the entire surface of the door sill plate, starting from the center and working outward to secure the tape.
 - ⚠ (1) Make sure door sill is properly taped down in place and that there is no lifting or uneven gaps around the edges.
- (g) Remove paper templates and tape.
- (h) Place a small foam tape over the pinch weld area where the flexible portion of the weather strip is installed. (Fig 5-8)

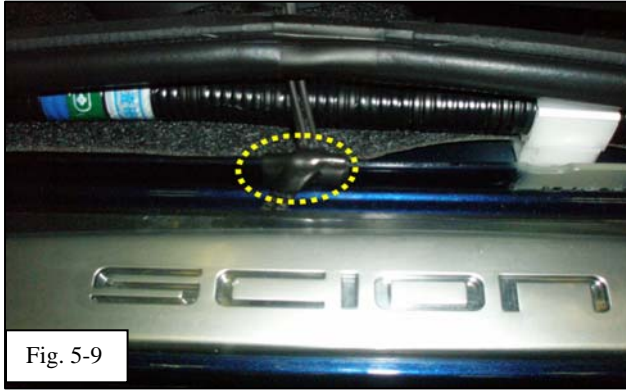


Fig. 5-9

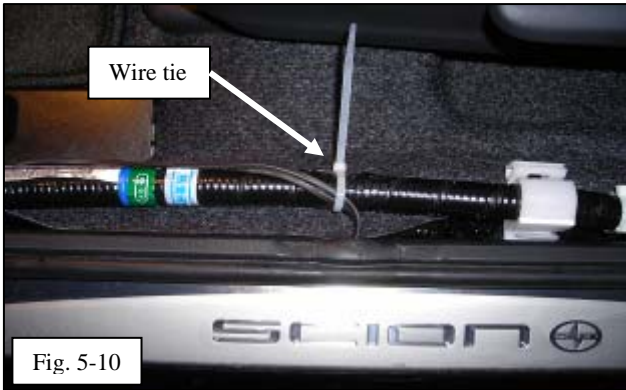


Fig. 5-10

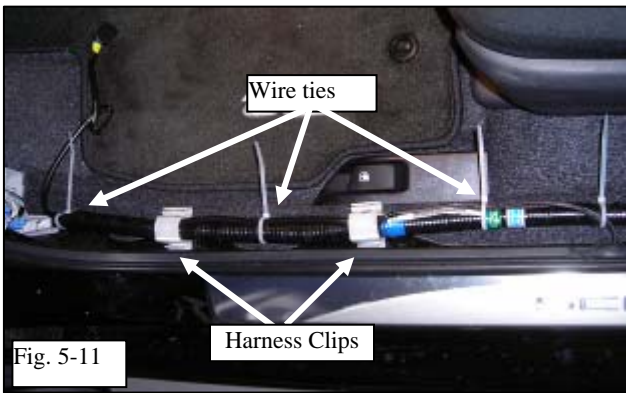


Fig. 5-11

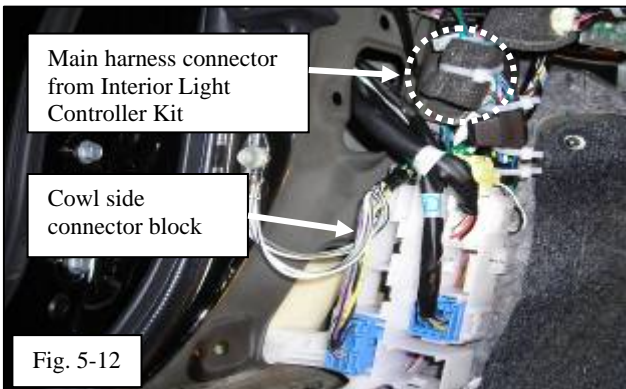


Fig. 5-12

(i) Route the harness over the foam tape and secure it with the second piece of small foam tape over the first piece. (Fig. 5-9)

(j) Reinstall the weather strip to the pinch weld.

(k) Run the harness to the OE harness and secure with one (1) wire tie as shown. (Fig. 5-10)

(l) Route harness along the OE harness toward the front of the vehicle.



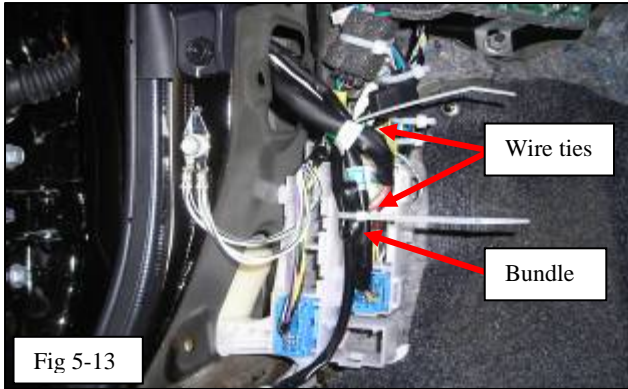
(1) Make sure the harness goes through the two harness clips.

(2) The harness clip can be opened by pulling outward on the retaining tab located to the right of the clip.

(3) Secure the harness to the OE harness with three (3) wire ties as shown. (Fig. 5-11)

(m) Locate the Interior Light Controller main harness connector that was installed from PT922-21110. It should be located above the cowl side connector block. (Fig. 5-12)

(n) Route the harness along the OE harness in front of and above cowl side connector block. Plug the illuminated door sill connector into the main harness connector.



(o) Secure the illuminated door sill harness to the OE harness with two (2) wire ties as shown. (Fig. 5-13)

(1) Bundle and secure any excess to the OE harness as shown.

(p) Trim any excess off the wire ties.

6. Testing.



(a) **The Interior Light Controller Kit PT922-21110 must be installed completely prior to testing. Please refer to installation instructions for the Interior Light Controller Kit PT922-21110 to complete steps prior to testing.**

(b) Temporarily reconnect the negative battery terminal.

(c) If necessary, install the short pin located in the engine compartment relay block.

(d) Perform accessory function check.

(1) Open a door. The illuminated door sills should light up. The switch LED should be ON.

(2) With a door open, press the illumination switch to cycle through all 7 of the colors. (There are two blue color positions when a door is open.)

Blue → Turquoise → Green → Yellow → Red → Purple → White → Blue
↑

(3) With the key in the OFF position, close all doors (including the trunk). The interior light kit or illuminated door sills should turn off. The switch LED should turn OFF.

(4) With all doors closed, turn the key to ACC/ON position. The switch LED should come on.

(e) Remove the negative battery terminal.

7. Vehicle reassembly.

(a) Complete any vehicle reassembly installation steps for the Interior Light Controller Kit PT922-21110.


(b) Reinstall both front cowl side covers.

(c) Reinstall both front inner door scuff panels.

(d) Reinstall the negative battery cable.

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

(2) Tighten the nut with 4.1 N-m (36 lbf-in) of torque.

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

8. Completing the installation.

(a) Perform any accessory or vehicle function checks. Refer to Interior Light Controller Kit PT922-21110 installation instructions for additional vehicle and accessory function checks.

(b) If required, replace the short pin to its original position.

(c) Clean up and remove any trash.

<u>Check:</u>	<u>Look For:</u>
<p><u>Accessory Function Checks</u></p> <ul style="list-style-type: none"><input type="checkbox"/> Door sill fitment. <input type="checkbox"/> Open a door. <input type="checkbox"/> Close all doors. <input type="checkbox"/> With the door open, press the switch to cycle through the colors.	<p>There should be no uneven gaps around the edges.</p> <p>Front door sill lights should turn on.</p> <p>Front door sill lights should turn off.</p> <p>Door sill should cycle through all 7 colors.</p>

Vehicle Function Checks

