

SCION

Preparation

tC

2008-

ILLUMINATED DOOR SILLS

Part Number: PTS21-21070

Kit Contents

Item #	Quantity Req'd.	Description
1	2	Hardware Kit w/ power harness
2	1	Front Left Illuminated Door Sill Protector
3	1	Front Right Illuminated Door Sill Protector

Hardware Kit Contents (LH)

Item #	Quantity Req'd.	Description
1	1	Power Harness with Fuse
2	2	Foam Pad (38.1 x 38.1 x 4.75)
3	1	Foam Pad (63.5 x 38.1 x 1.57)
4	12	Wire Ties
6	2	T-taps

Hardware Kit Contents (RH)

Item #	Quantity Req'd.	Description
1	1	Power Harness
2	2	Foam Pad (38.1 x 38.1 x 4.75)
3	1	Foam Pad (63.5 x 38.1 x 1.57)
4	27	Wire Ties
6	1	T-taps

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Safety Gloves	Optional
Vehicle Protection	Blankets, Part Boxes,
Protective film	PPO only, Wrap Guard
Special Tools	Notes
Non-intrusive temperature probe	For measuring door sill temperature if necessary
Blow Drier	For cold temperature installations.
Installation Tools	Notes
Nylon Panel Removal Tool	
Screwdriver	Phillips head #2
Ratchet	
Extension	6 in
Socket	10 mm (deep socket)
Torque Wrench	36 lbf-in
Non-scratch wiping cloth	3M Micro-fiber
Pliers	

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

Wire Cutters	
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Special Chemicals	Notes
All Purpose Cleaner	mild water based, solvent free all purpose cleaner.

General Applicability

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Recommended Sequence of Application

Item #	Accessory
1	V5 Security – RS3200 +
2	Illuminated Door Sills
3	Audio
4	Satellite Radio
5	Interior Light Kit

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description

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.

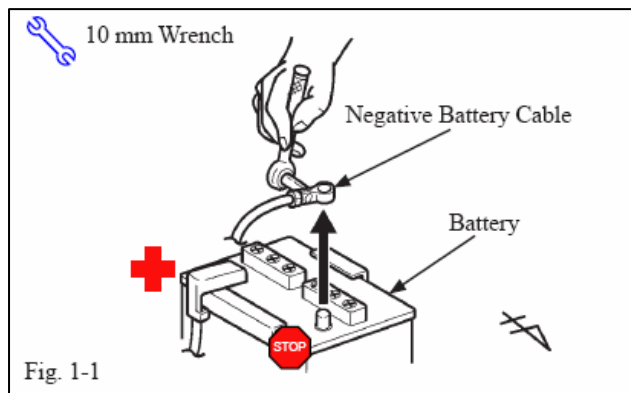
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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.

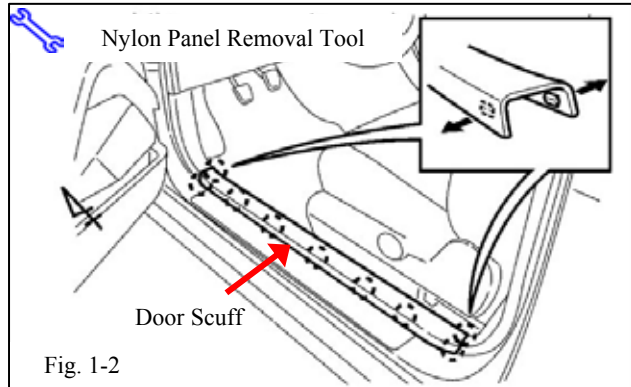


1. Vehicle Disassembly

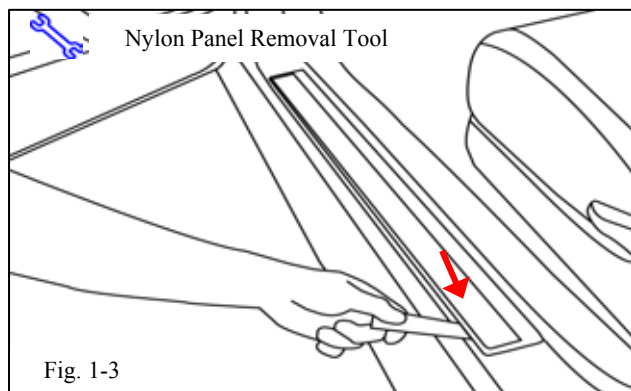
(a) Remove the negative battery cable. (Fig. 1-1)



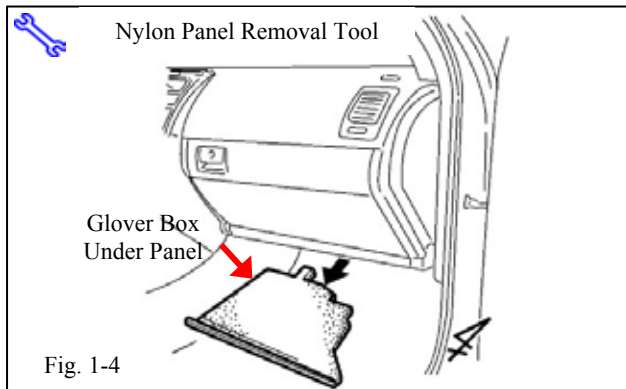
- (1) For vehicles equipped with automatic transmissions, place shifter in the N (neutral) position and set the parking brake prior to disconnection the battery.
- (2) Do not touch the positive terminal with any tool when removing cable.



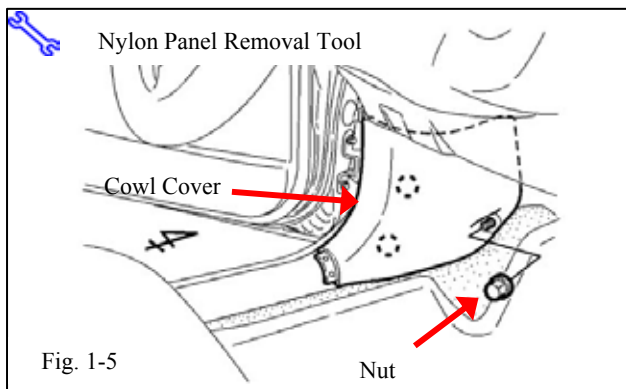
(b) Remove the driver and passenger side door scuff. (Fig. 1-2)



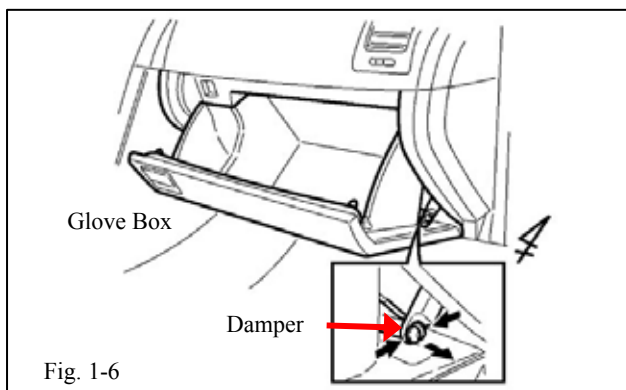
(c) Remove the driver and passenger side door sill. (Fig. 1-3)



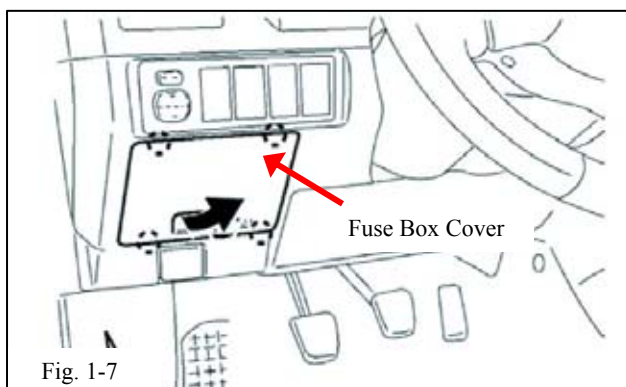
- (d) Remove the glove box under panel.
(Fig. 1-4)



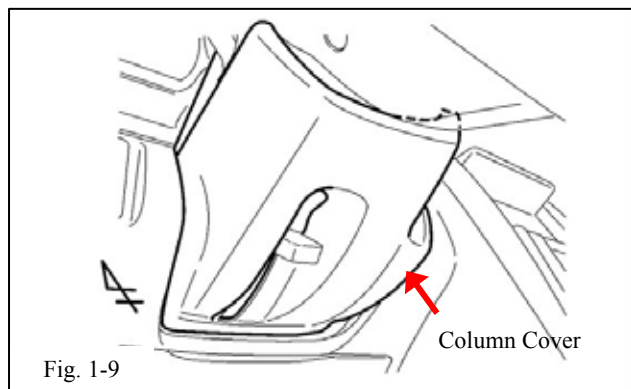
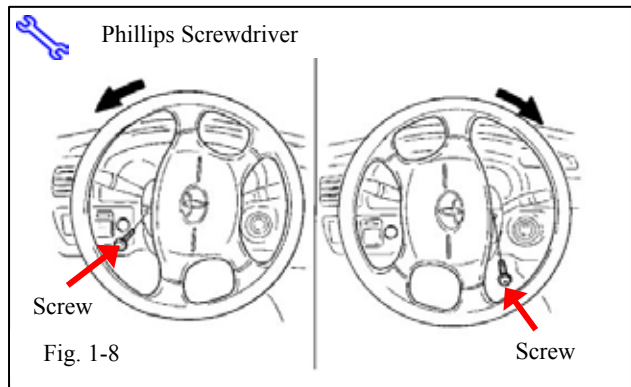
- (e) Remove the driver and passenger side cowl cover. (Fig. 1-5)
(1) Remove the one nut securing the cowl cover.



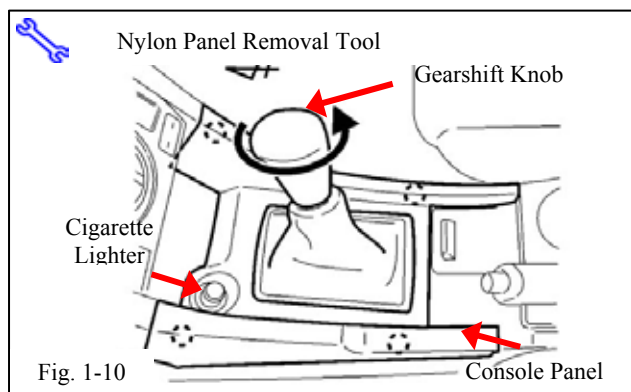
- (f) Remove the glove box assembly. (Fig. 1-6)
(1) Release the damper lever.



- (g) Remove the fuse box cover. (Fig. 1-7)
(1) Take care not to damage the two upper tabs.

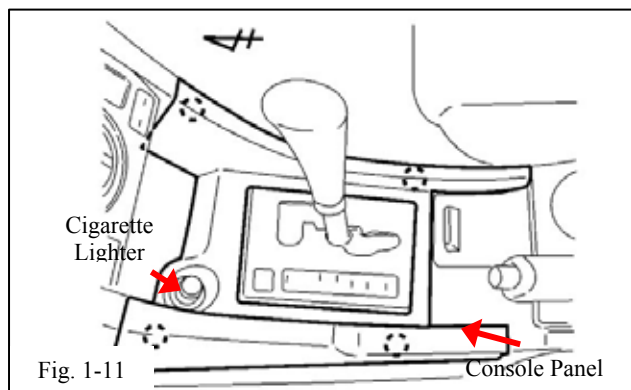


- (h) Remove two screws securing the lower steering column cover behind the steering wheel. (Fig. 1-8)
- (1) Insert the key into the ignition switch and turn it to ON to unlock the steering wheel.
- (2) Turn the steering wheel left and right to gain access to the screws.
- (3) Remove the key.
- (i) Remove the lower steering column cover. (Fig. 1-9)



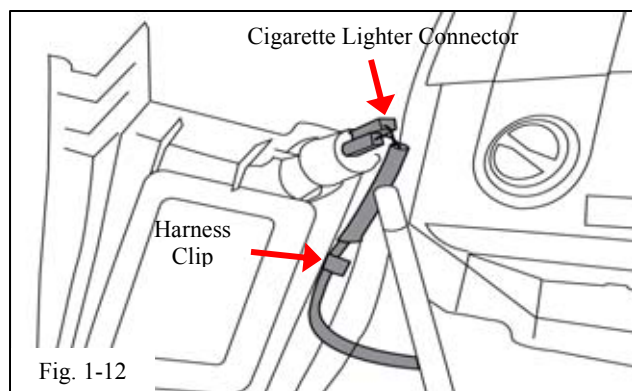
FOR MANUAL TRANSMISSION MODELS ONLY. (Step 1. (j))


- (j) Remove the gearshift knob, then loosen the console panel. (Fig. 1-10)

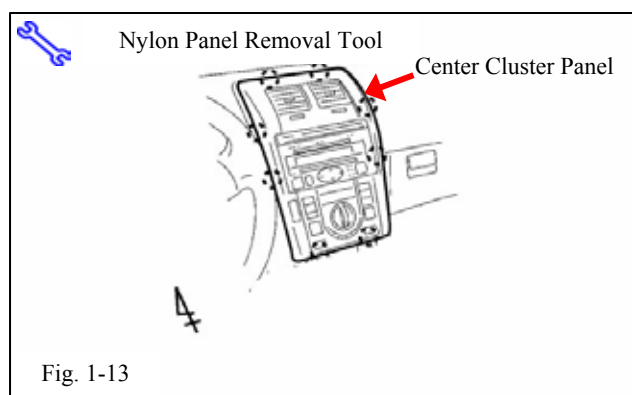


FOR AUTOMATIC TRANSMISSION MODELS ONLY. (Step 1. (k))


- (k) Loosen the console panel. (Fig. 1-11)

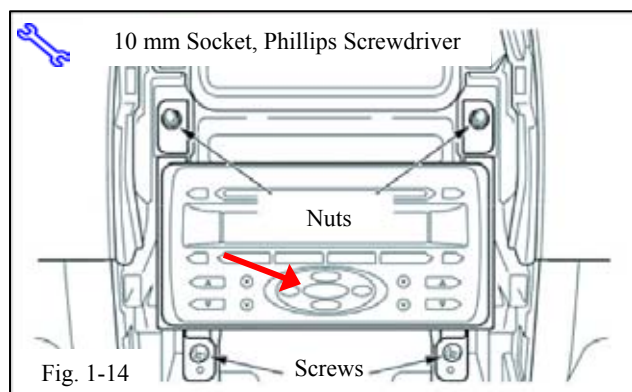


-  (l) Carefully lift up the center console panel and disconnect the cigarette lighter connector and the harness clip. Set console panel aside. (Fig. 1-12)



- (m) Remove the center cluster panel. (Fig. 1-13)

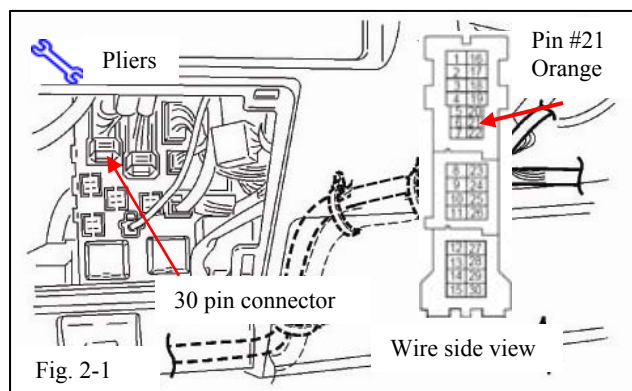
-  (1) Disconnect the connector behind the center cluster panel.



- (n) Remove the head unit. (For DIO)

- (1) Use 10 mm socket to remove nuts and Phillips screw driver to remove screws. (Fig. 1-14)
- (2) Remove connectors at rear and remove head unit.

2. Install Driver Side Door Sill

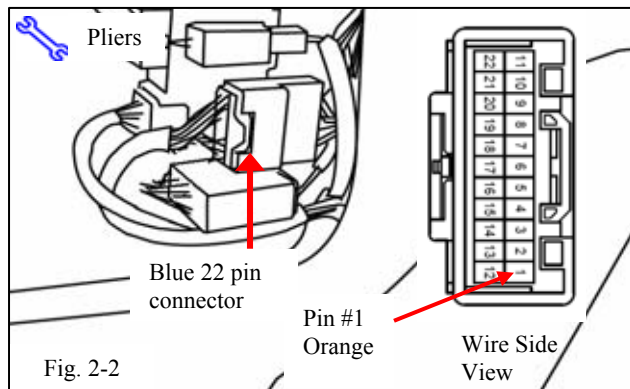


- (a) Locate and disconnect the 30 pin connector on the junction block (behind fuse box cover). (Fig. 2-1)

- (b) Install a T-Tap to the orange wire (pin # 21) on the 30 pin connector, about 1 inch from the connector end. (Fig. 2-1)



- (1) Using pliers, make sure that T-Tap is snapped in correctly.

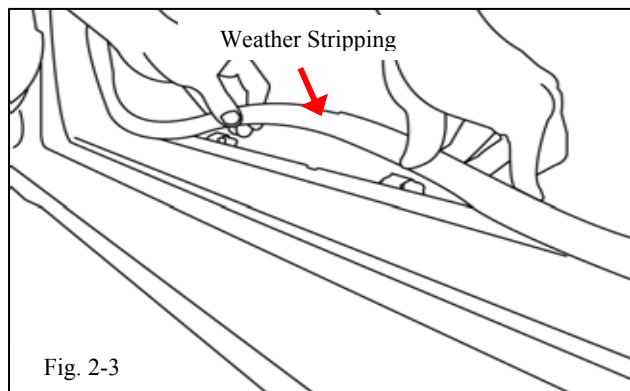


(c) Locate and remove the blue 22 pin connector located at the driver side cowl area. (Fig. 2-2)

(d) Install a T-Tap to the orange wire (pin #1) on the 22 pin connector, about 1 inch from the connector end. (Fig. 2-2)

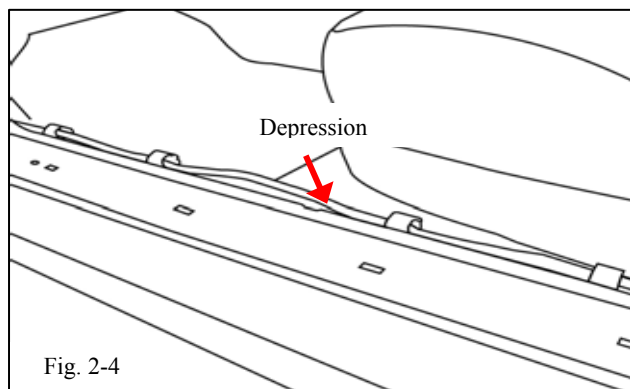


(1) Using pliers, make sure that T-Tap is snapped in correctly.



(e) Lift up the driver side door weather stripping. (Fig. 2-3)

(f) Locate the crescent shaped depression on the pinch weld. Clean the pinch weld surface and apply a thin piece of foam tape over the depression. (Fig. 2-4)



(g) 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.

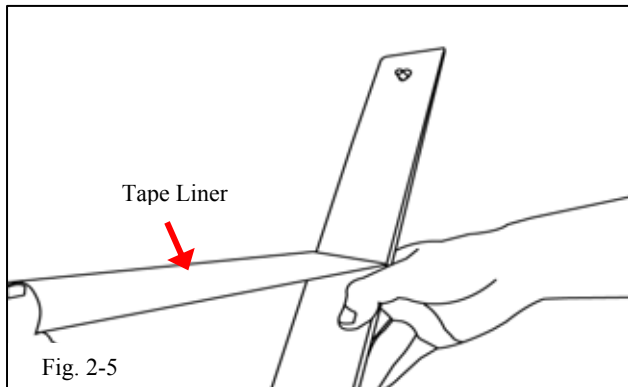
(h) Clean the Door Sill Surface



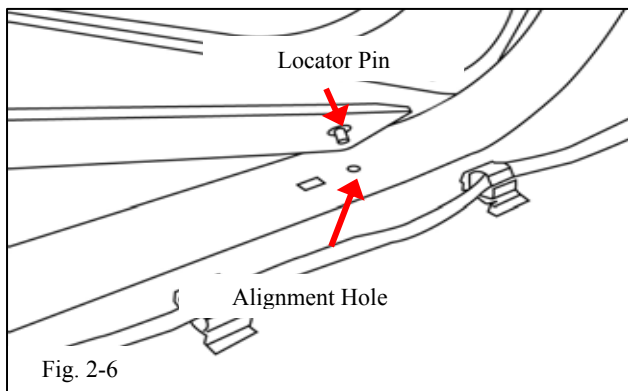
(1) Clean the rocker panel surface with a mild, water based, solvent free all purpose cleaner and a clean, non-scratch cloth.



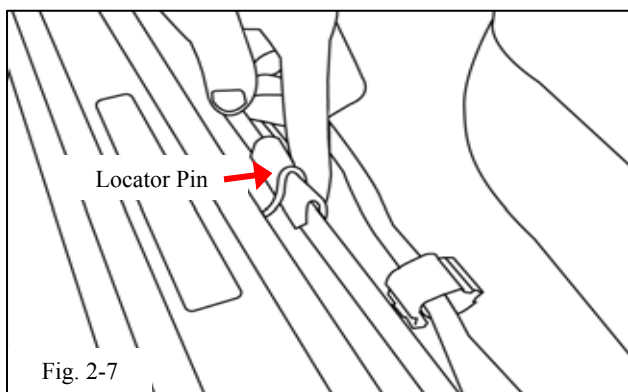
(2) Surface must be free from all contaminants (plastic protectants, oily - substances, dirt, etc.)



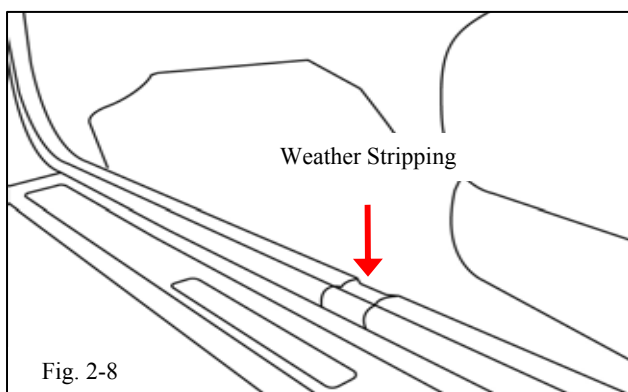
- (i) Locate the driver side illuminated door sill. Remove tape liner from back of lighted side sill. (Fig. 2-5)



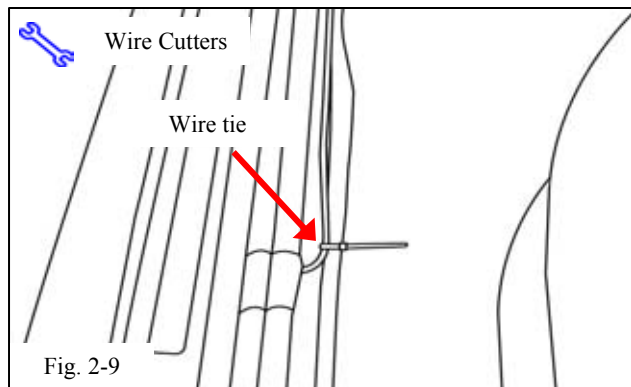
- (j) Install lighted side sill to vehicle.
 - (1) The word “SCION” should be right side up reading from the outside of the vehicle.
 - (2) Be sure locating pin aligns correctly with vehicle alignment holes. Gently place the sill on the rocker surface and press the sill piece toward the pinch weld to relieve any slack.
 - (3) Once the sill is in the proper position, apply firm pressure to the sill, working from the center outward, making sure the perimeter of the sill is adhered to the rocker surface. (Fig. 2-6)



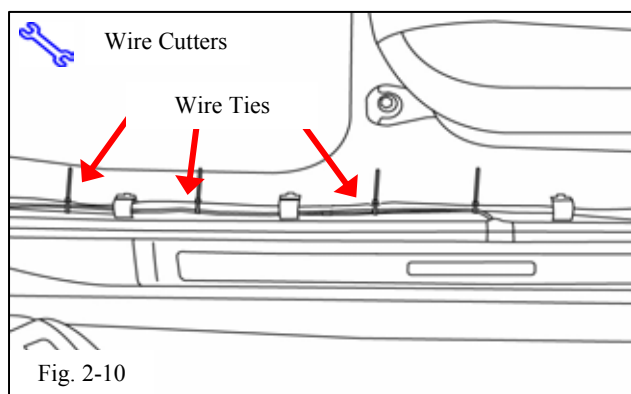
- (k) Run the power wire from lighted side sill over the thin foam tape attached to the pinch weld. (Fig. 2-7)



- (l) Reinstall door weather stripping to pinch weld. (Fig. 2-8)

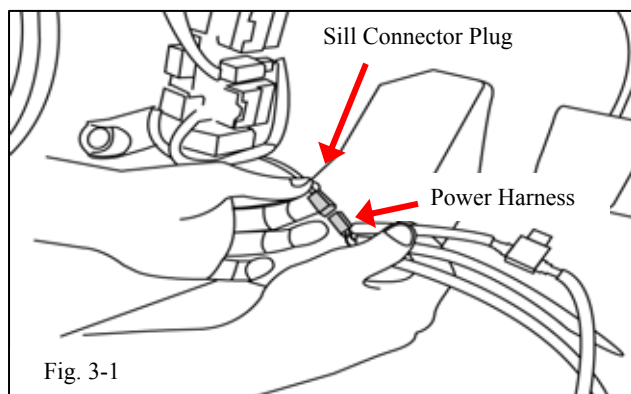


- (m) Secure the power wire from the lighted side sill to vehicle harness using a wire tie. (Fig. 2-9)



- (n) Route lighted side sill harness toward front of car along side of vehicle harness. Secure the illuminated sill wire to vehicle harness with three wire ties in the areas shown. (Fig. 2-10)

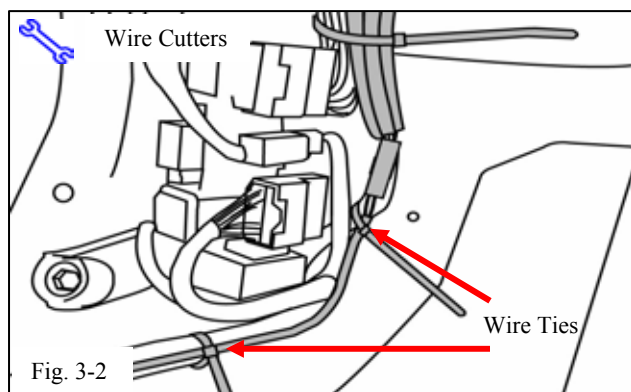
- (o) Place a protective blanket on top of the side sill.



3. Install Driver Side Power Harness

- (a) Connect power harness to the driver's side sill harness. (Fig. 3-1)

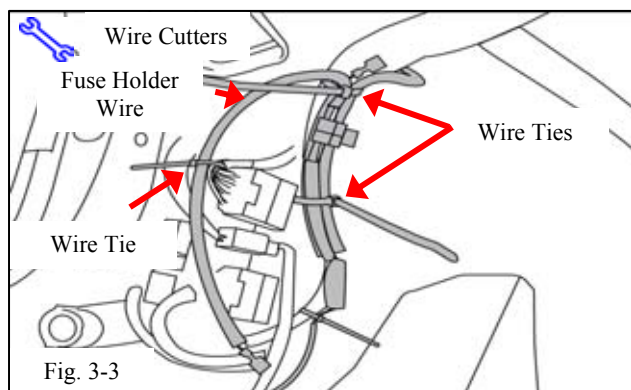
- (1) Wrap connected connectors with thick foam tape.



- (b) Secure the sill harness to the OE harness as shown with two wire ties. (Fig. 3-2)

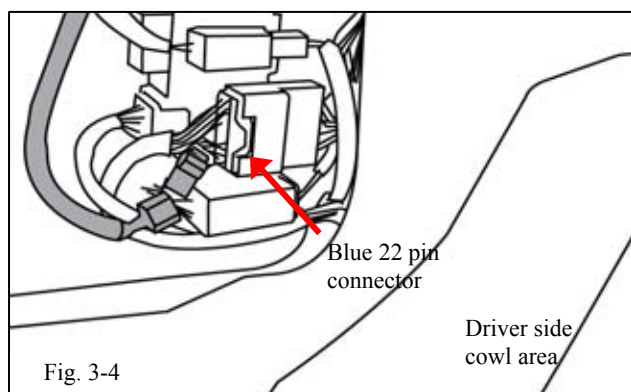
- (1) Do not wire tie to any air bag harnesses.





(c) Route the power harness to the vehicle harness behind the connector block as shown. (Fig. 3-3)

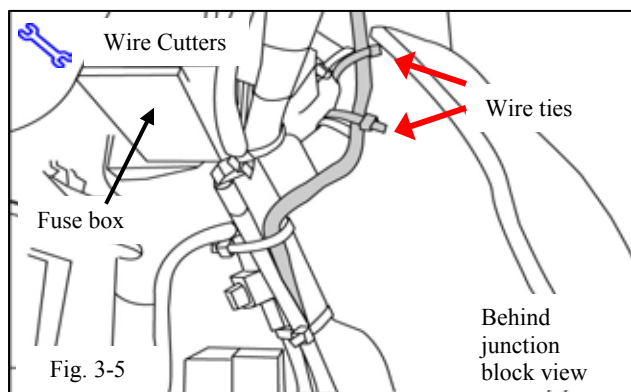
- (1) Secure both sides of the fuse with two wire ties.
- (2) Route the wire from the fuse holder in front of the connectors and secure with one wire tie.



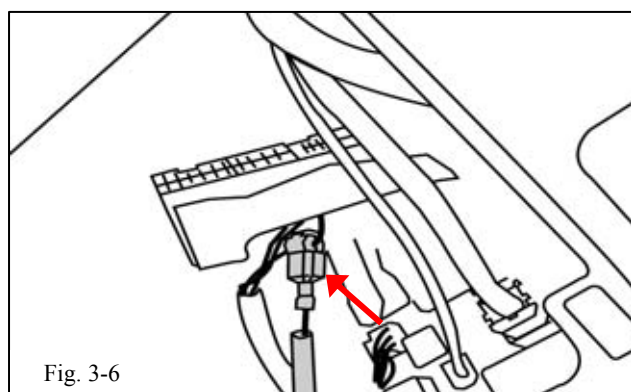
(d) Attach the fuse holder connector to the T-Tap on orange wire and reinstall the blue 22 pin connector. (Fig. 3-4)



- (1) Make sure that the quick disconnect is installed properly to T-Tap.



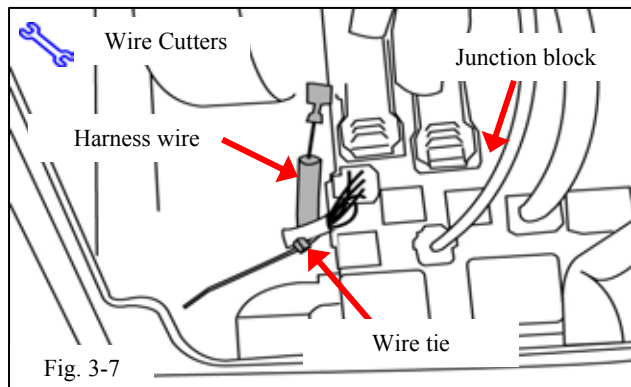
(e) Route the long ground wire coming out of the connector up and behind the junction block. Secure the wire with two wire ties to the OE harness. (Fig. 3-5)



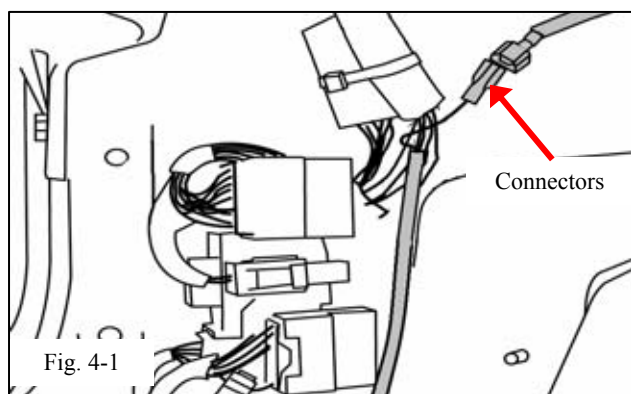
(f) Continue to route the ground wire to the front of the junction block. Attach it to the T-Tap on the orange wire and reconnect the 30 pin connector. (Fig. 3-6)



- (1) Make sure that the quick disconnect is installed properly to T-Tap.

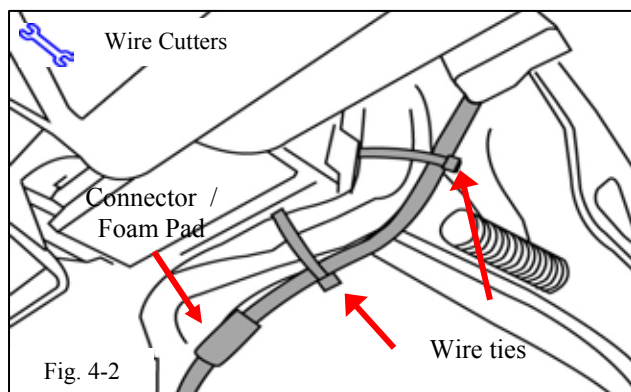


- (g) Secure harness to vehicle harness, using one wire tie as shown. (Fig. 3-7)



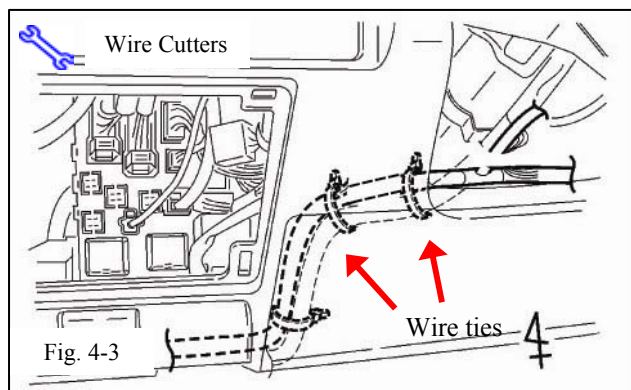
4. Install Passenger Crossover Harness.

- (a) Attach crossover male connector to Power harness female connector and wrap with the thick foam tape. (Fig. 4-1)

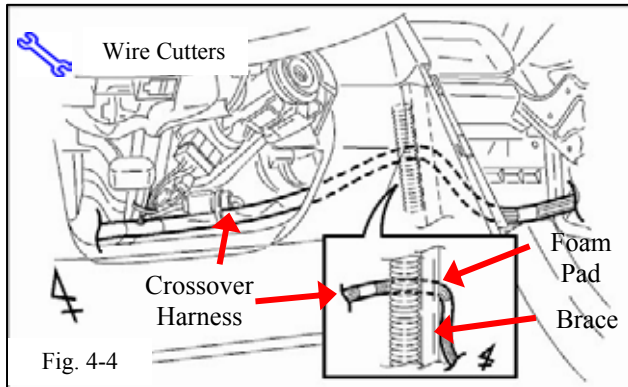


- (b) Attach harness to vehicle harness under junction box with two wire ties. (Fig. 4-2)

NOTE: For vehicles with the factory security system installed, the wiring will follow the same path to the passenger side.



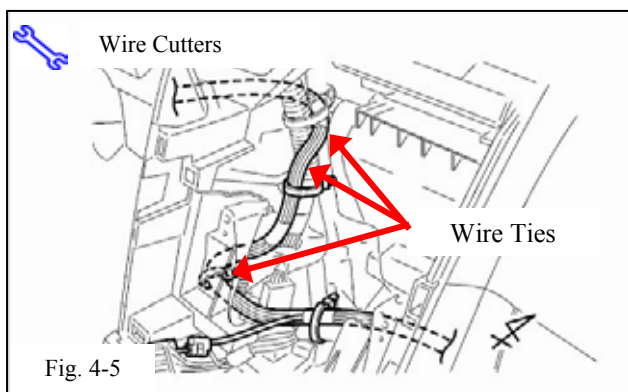
- (c) Place two wire ties as shown along vehicle harness. (Fig. 4-3)



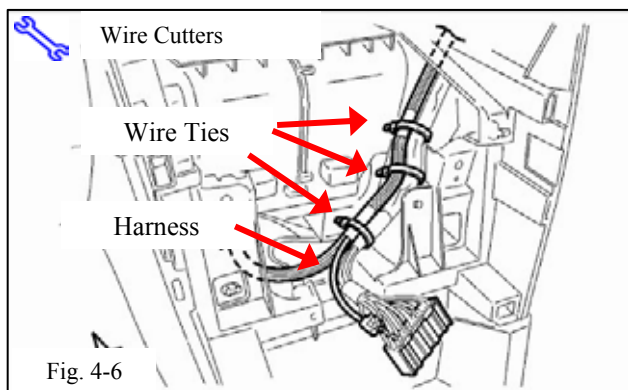
(d) Route the Crossover harness toward the center console area. (Fig. 4-4)

(1) Route the Crossover harness through the opening space in front of the driver side brace as shown.

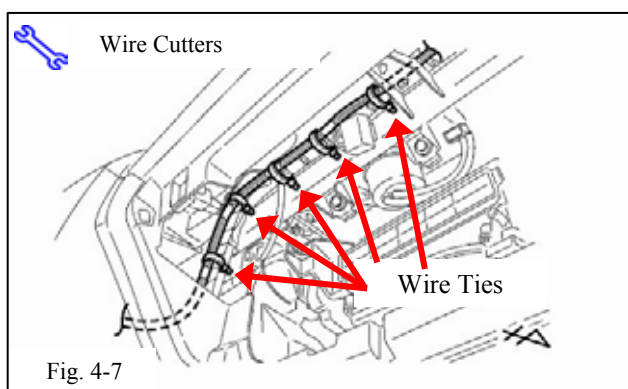
(2) Install thick foam tape to brace to protect the harness.



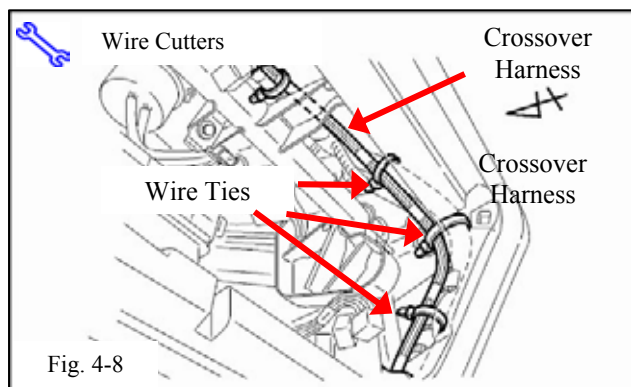
(e) Secure the crossover harness to vehicle harness with three wire ties in the driver side center console area. (Fig. 4-5)



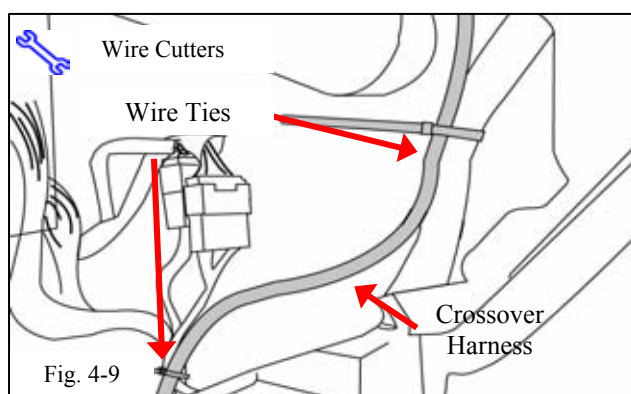
(f) Route the crossover harness toward the glove box area, then secure it to the vehicle harness with three wire ties in the passenger side center console area. (Fig. 4-6)



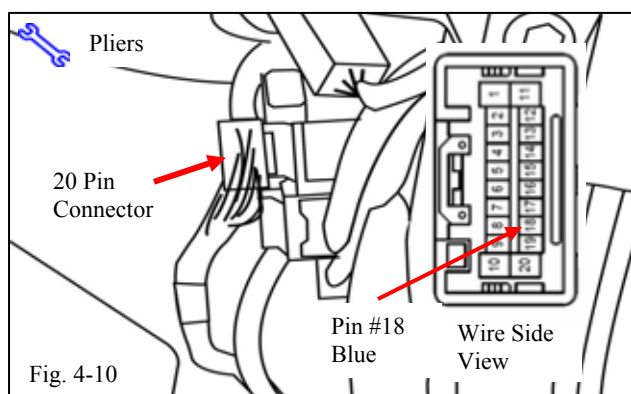
(g) Route the Crossover harness to the glove box area, then secure it to the vehicle harness with five wire ties. (Fig. 4-7)



- (h) Route the Crossover harness through the glove box area, then secure it to the vehicle harness with three wire ties. (Fig. 4-8)



- (i) Continue to route the crossover harness down to the passenger side connector block. Secure the harness with two wire ties. (Fig. 4-9)



- (j) Locate and remove the 20 pin connector in Passenger's side cowl area. pin # 18 (Blue wire). (Fig. 4-10)



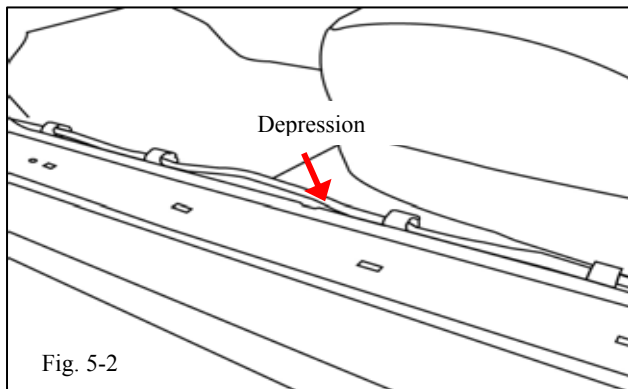
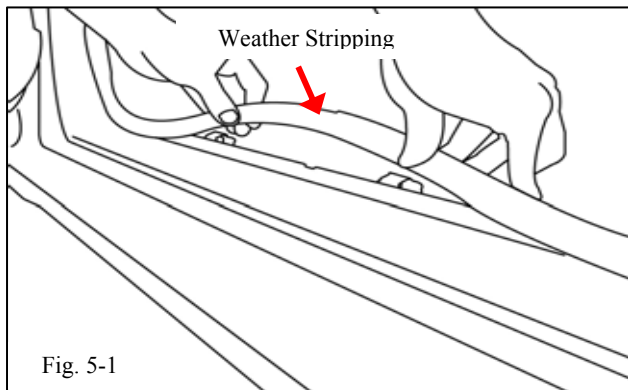
- (1) For vehicles with the factory alarm, the connector will be located on a Y-adaptor harness near the connector block.

- (k) Install a T-Tap to the blue wire (pin #18) on the 20 pin connector, about 1 inch from the connector end. (Fig. 4-10)



- (1) Using pliers, make sure that T-Tap is snapped in correctly.

- (l) Connect the black wire from the cross over harness to the T-Tap installed on the blue wire and reconnect the connector.



5. Install Passenger Side Door Sill

- (a) Lift up the passenger side door weather stripping. (Fig. 5-1)
- (b) Locate the crescent shaped depression on the pinch weld. Clean the pinch weld surface and apply a thin piece of foam tape over the depression. (Fig. 5-2)

(c) 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.

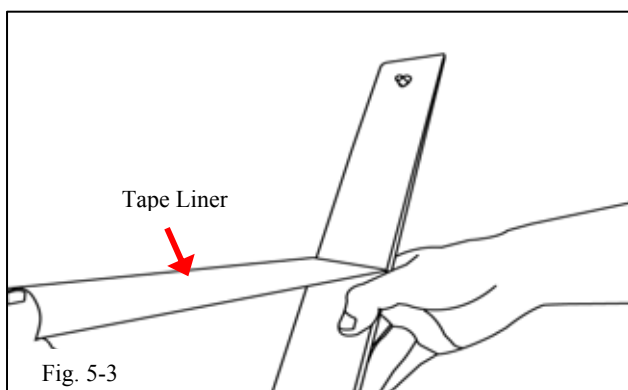
(d) Clean the Door Sill Surface



- (1) Clean the rocker panel surface with a mild, water based, solvent free all purpose cleaner and a clean, non-scratch cloth.



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



- (e) Locate the passenger side illuminated door sill. Remove tape liner from back of lighted side sill. (Fig. 5-3)

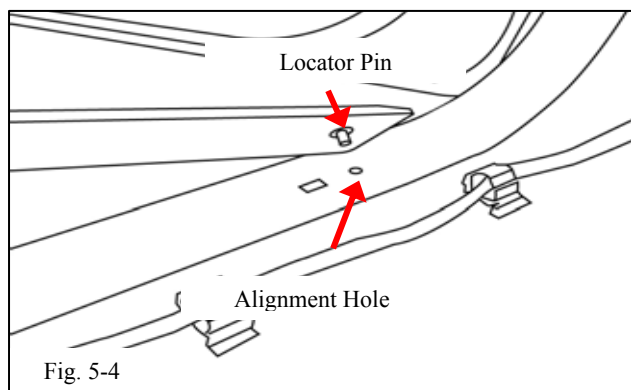


Fig. 5-4

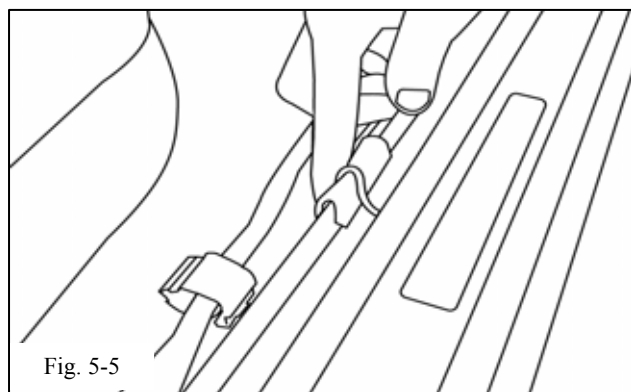


Fig. 5-5

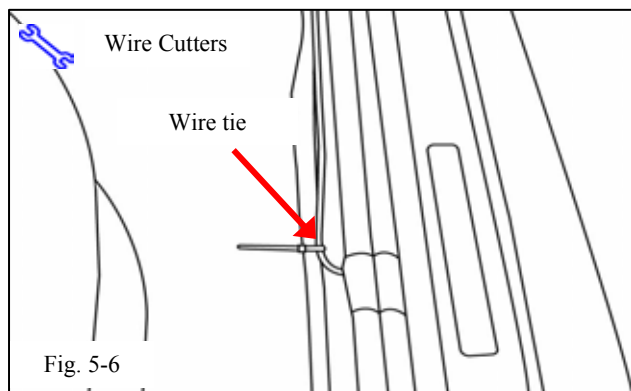


Fig. 5-6

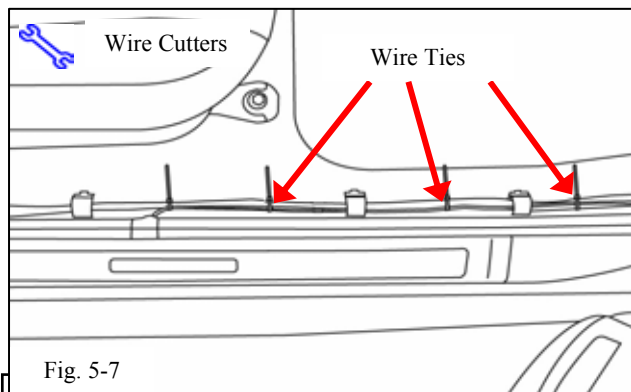


Fig. 5-7

(f) Install lighted side sill to vehicle.

(1) The word "SCION" should be right side up reading from the outside of the vehicle.



(2) Be sure locating pin aligns correctly with vehicle alignment holes. Gently place the sill on the rocker surface and press the sill piece toward the pinch weld to relieve any slack.

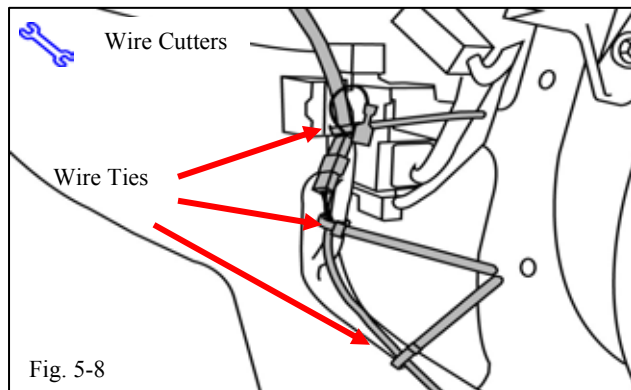
(3) Once the sill is in the proper position, apply firm pressure to the sill, working from the center outward, making sure the perimeter of the sill is adhered to the rocker surface. (Fig. 5-4)

(g) Run the power wire from lighted side sill over the thin foam tape attached to the pinch weld. (Fig. 5-5)

(h) Reinstall door weather stripping to pinch weld.

(i) Secure the power wire from the lighted side sill to vehicle harness using a wire tie. (Fig. 5-6)

(j) Route lighted side sill harness toward front of car along side of vehicle harness. Secure the illuminated sill wire to vehicle harness with three wire ties in the areas shown. (Fig. 5-7)



(k) Place a protective blanket on top of the side sill.

(l) Connect crossover harness to sill harness.

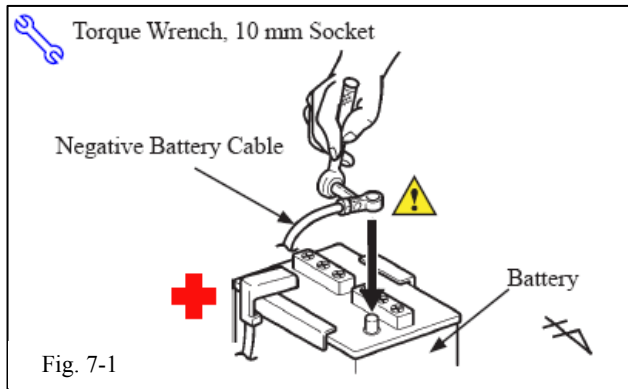
(1) Wrap connector with the thick foam tape and secure the harness with three wire ties as shown. (Fig. 5-8)

6. Testing

- (a) Plug in the DCC fuse located in the engine compartment if necessary.
- (b) Temporarily reconnect the vehicle's negative battery cable.
- (c) The light should be on with the door open.
- (d) Press door ground switch to test the lighted door sill. The light should turn off when pushed in.
- (e) Disconnect the battery.

7. Vehicle Reassembly

- (a) Reinstall the glove box.
- (b) Reinstall the head unit. (For DIO)
 - (1) Reconnect head unit connectors and antenna wire.
- (c) Reinstall the center cluster panel.
 - (1) Reconnect the heater control connector.
- (d) Reinstall the console panel.
 - (1) Reconnect the cigarette lighter connector and wire harness clip.
- (e) Reinstall the lower steering wheel cover.
- (f) Reinstall the fuse box cover.



(g) Reinstall the driver and passenger side cowl cover and door scuffs.

(h) Reinstall the glove box under panel.

(i) Reconnect the vehicle's negative battery cable.

(1) Position the negative battery cable at the original factory position. (Fig. 7-1)

(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.

(j) Initialize the passenger side window controls.

(1) Refer to the factory repair manual for proper procedures.

(k) Initialize the sunroof.

(1) Refer to the factory repair manual for proper procedures.

8. Completing the Installation

(a) Perform vehicle accessory function checks.

(b) If required, remove the DCC fuse located in the engine compartment.

(c) Using an approved cleaner, clean any smudges, fingerprints, or dirt off of the front door sill surfaces.

(d) Clean up and remove any trash.

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:	Look For:
<u>Accessory Function Checks</u> <input type="checkbox"/> Open the door. <input type="checkbox"/> Close the door.	 Door sill light should turn on. Door sill light should turn off.
<u>Vehicle Function Checks</u> <input type="checkbox"/> Interior lights. <input type="checkbox"/> Power door locks. <input type="checkbox"/> Power windows. <input type="checkbox"/> Sunroof. <input type="checkbox"/> Audio system. <input type="checkbox"/> Turn signals and stop lamp. <input type="checkbox"/> Hazard lights. <input type="checkbox"/> Combination meter lights. <input type="checkbox"/> Tire pressure monitoring system. <input type="checkbox"/> HVAC <input type="checkbox"/> Factory security system (if installed)	 Interior lighting system should function properly. Power door locks should function properly. Power windows should function properly. Sunroof should be functioning properly. Audio system should function properly. The turn signals and stop lamp should function properly. Hazard lights should be functioning properly. The combination meter lights should function properly. Check for the tire pressure light to come on and turn off. HVAC should function properly. Security system should work properly.