

Part Number: PT942-53160

Kit Contents

Item #	Quantity Req.	Description
1	2	Front Door Sills
2	2	Rear Door Sills
3	1	Hardware Bag

Hardware Bag Contents - 1

Item #	Quantity Req.	Description
1	4	T-Tap Connectors
2	20	Lock Ties
3	4	Foam Tape
4	2	LED Light Engine

Conflicts

Convertible Models

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Goggles	
Seat Covers/Blanket	
Floor Protectors	
Special Tools	Notes
None	
Installation Tools	Notes
Screwdriver	Phillips, #2
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Side Cutters	To Trim Wire Ties
Long Nose Pliers	For Cowl Panel Clips
Pliers	For Wire Taps
10mm Socket & Ratchet or 10mm Wrench	For Negative Battery Cable
Torque Wrench	For Negative Battery Cable
Special Chemicals	Notes
Cleaner	Approved Cleaner

General Applicability

All hardtop models

Recommended Sequence of Application


Item #	Accessory
1	Rear Entertainment System
2	Glass Breakage Sensor
3	Illuminated Door Sill


*Mandatory


Vehicle Service Parts (may be required for reassembly)


Item #	Quantity Req.	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.



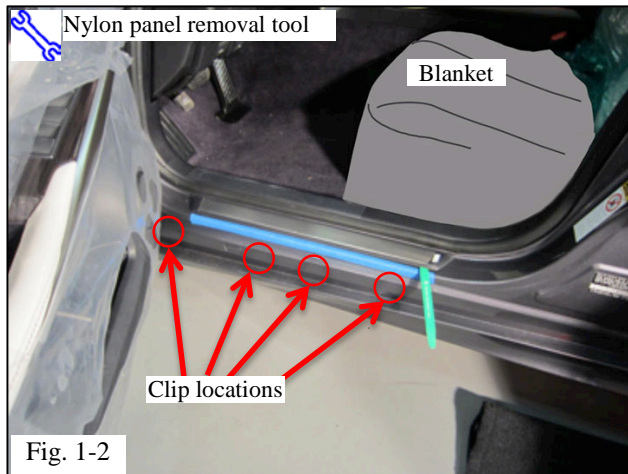
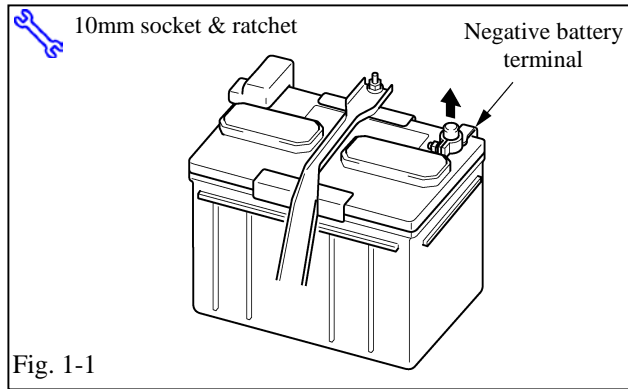
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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. Disassemble the Vehicle.



(a) Set the parking brake.

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



(1) Protect the fender before starting.



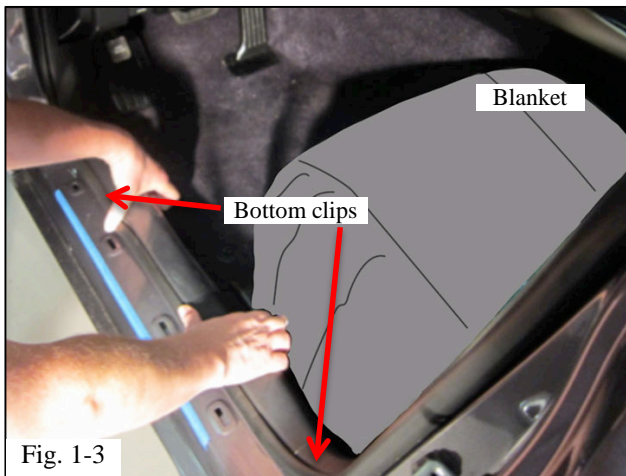
(2) Do not touch the positive terminal with any tool when removing cable.

(c) Install masking tape on the front doorsill edge on the driver's side of the vehicle (Fig. 1-2).

(d) Remove the front driver's side doorsill trim piece (Fig. 1-2).

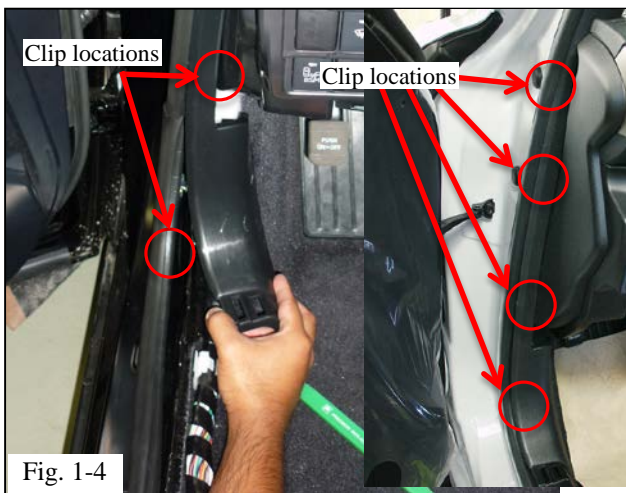
(1) Use a nylon panel removal tool to carefully lift the doorsill trim piece to disengage the four (4) clips.

(2) Remove the masking tape. Make sure there is no tape residue remaining.



(e) Remove the front driver's inner door sill trim (Fig. 1-3).

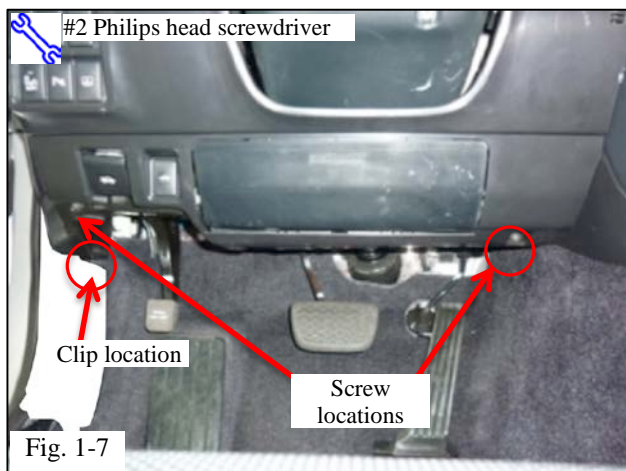
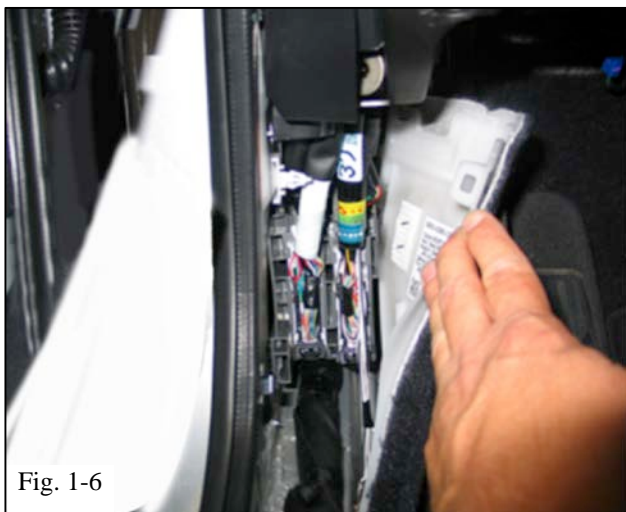
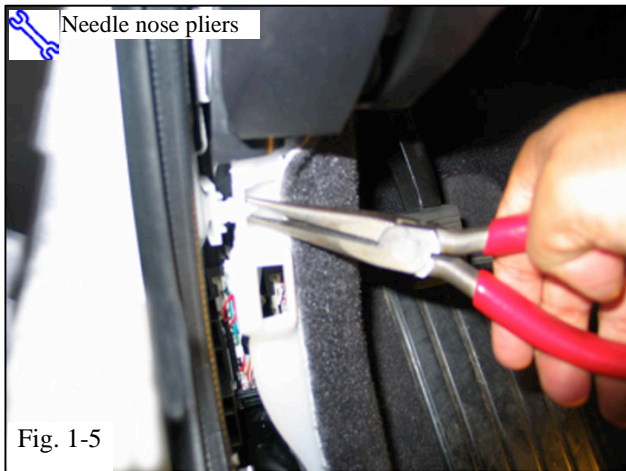
⚠ CAUTION: Do not bend or break the bottom clips at either end of the sill trim.



(f) Remove the kick panel trim piece from the vehicle by pulling rearward to disengage the four (4) clips while holding the weather strip at the clip locations (Fig. 1-4).

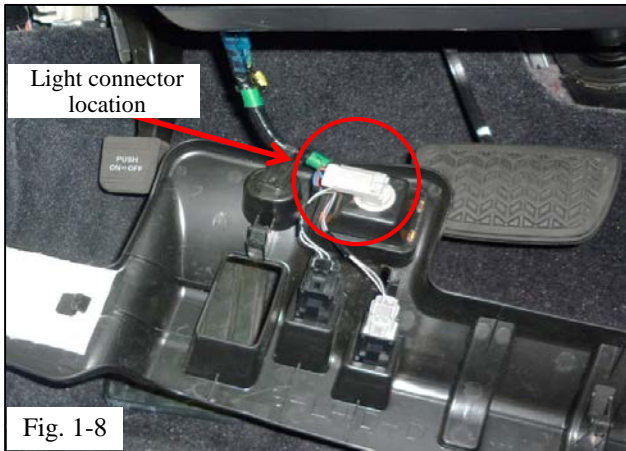
⚠ NOTE: Do not remove the weather strip.

CAUTION: Do not pull the weather strip off! (Hold the weather strip at clip area while pulling back the kick panel.)

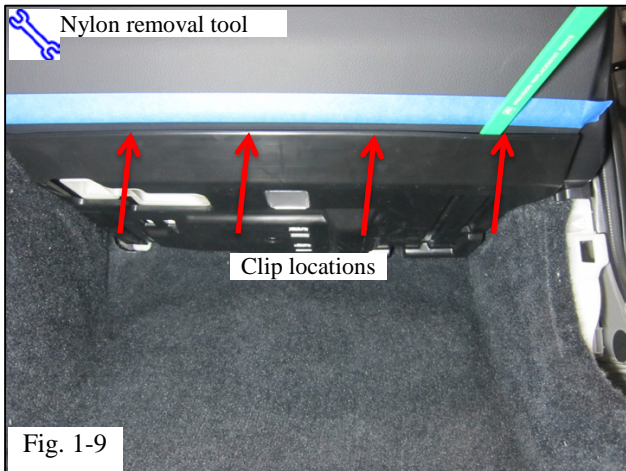


- (g) Disengage the clip on the carpeted kick panel by squeezing it together with needle nose pliers and pulling the kick panel towards the interior of the vehicle (Fig. 1-5 & Fig. 1-6).
- (h) Repeat Step 1(c) through Step 1(h) on the passenger's side of the vehicle.

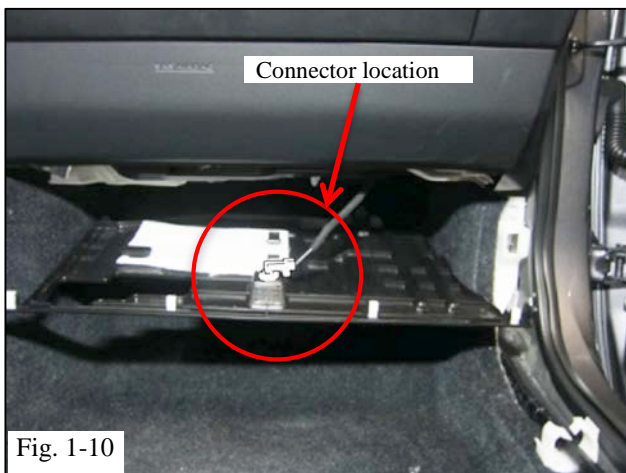
- (i) Remove the two screws and release one clip from the driver's side under dash trim panel (Fig. 1-7).



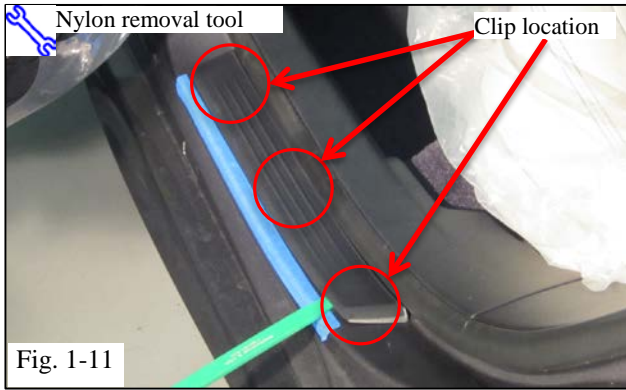
- (j) Pull the driver's side under dash trim panel down to expose the foot light connector and disengage the connector (Fig 1-8).
- (k) Remove the harness holder, disconnect the remaining connectors and then remove the panel from the vehicle.



- (l) Place masking tape, unless protected, on the bottom edge of the passenger's side knee panel. Use a nylon removal tool to release the 4 clips as shown on the lower trim panel (Fig. 1-9).



- (m) Lower the panel to expose the foot light connector. Disengage the connector and remove the panel. Remove the masking tape. Make sure no tape residue is remaining (Fig. 1-10).



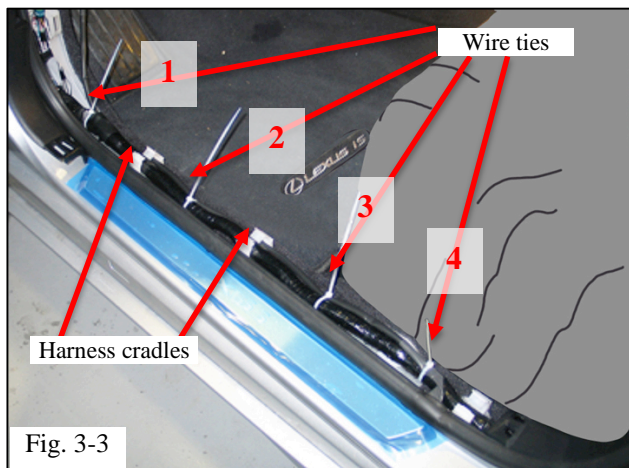
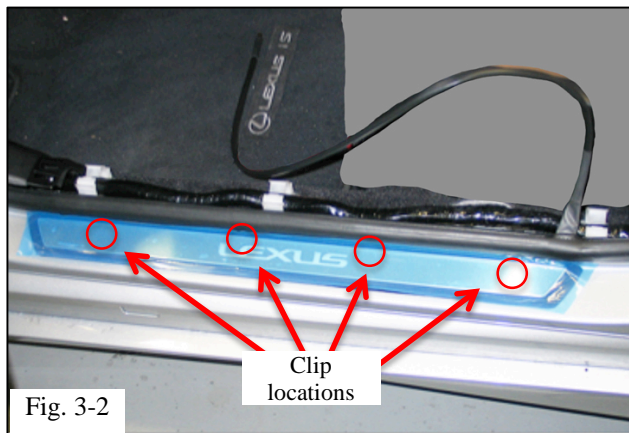
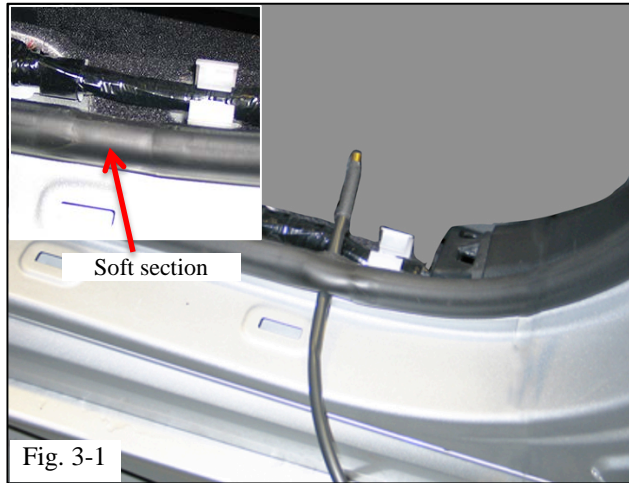
- (n) Install masking tape on the rear doorsill edge on the driver's side of the vehicle (Fig. 1-11).
- (o) Use a nylon panel removal tool to carefully lift the doorsill trim piece to disengage the three (3) clips (Fig. 1-11).
- (p) Remove the masking tape. Make sure no tape residue is remaining.
- (q) Repeat Step 1(o) through Step 1(q) on the passenger's side of the vehicle.

2. Install the Rear Door Units.

NOTE: The door sills are identified on the bottom with an "L" (driver's side) and "R" (passenger's side) label respectively.



- (a) Install the driver's side doorsill by engaging the three (3) clips. Press firmly in each of the clip locations to make sure the clips are fully engaged (Fig. 2-1).
- (b) Repeat on the passenger's side.



3. Install the Driver's Side Front Unit.

- (a) Locate the soft portion of the weather seal at rear of the driver's side door opening; it is located aft of the rear clip hole (Fig. 3-1).
- (b) Route the harness, attached to the door sill, through the soft portion of the seal.
- (c) Pull the harness completely through the seal (Fig. 3-1).

⚠ CAUTION: Do not lift up or remove the weather strip.

- (d) Install the illuminated doorsill by engaging the four (4) clips. Press down firmly in each of the clip locations to make sure the clips are fully engaged (Fig. 3-2).

- (e) Route the door sill harness forward through the two (2) existing harness cradles, along the outside edge of the vehicle harness, and secure it with four (4) wire ties (Fig. 3-3).



Fig. 3-4

- (f) Insert the optical wire harness from the door sill into the opening on the electronics module until it clicks into place (Fig. 3-4). Lightly tug on the wire harness to insure it is locked in.

⚠ CAUTION: Once locked, the optical cable can no longer be removed.

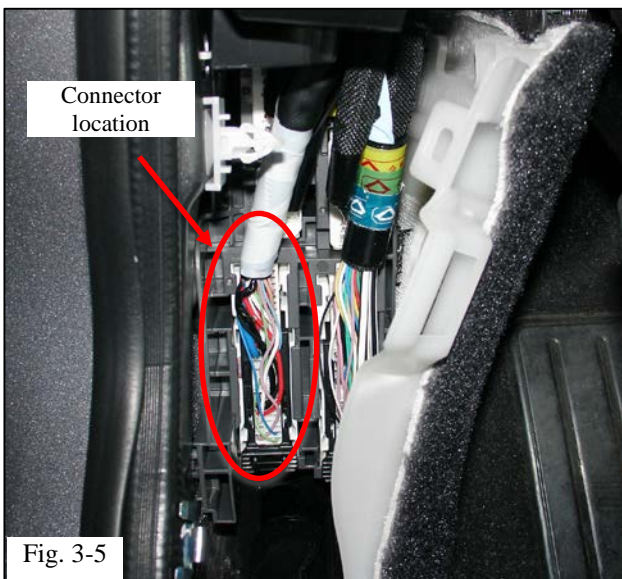


Fig. 3-5

- (g) Locate the 67 pin connector on the driver's side kick panel connector block (Fig. 3-5).

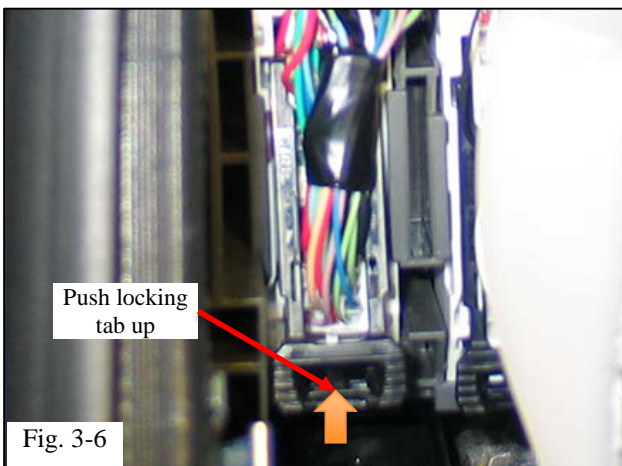
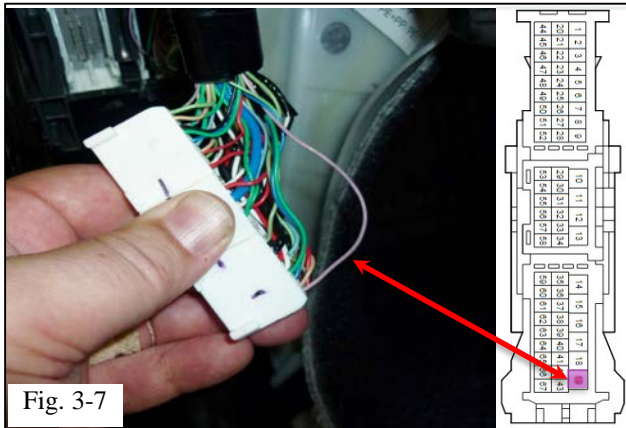
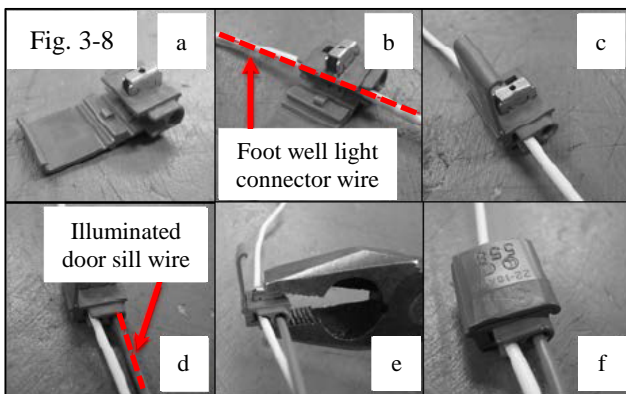


Fig. 3-6

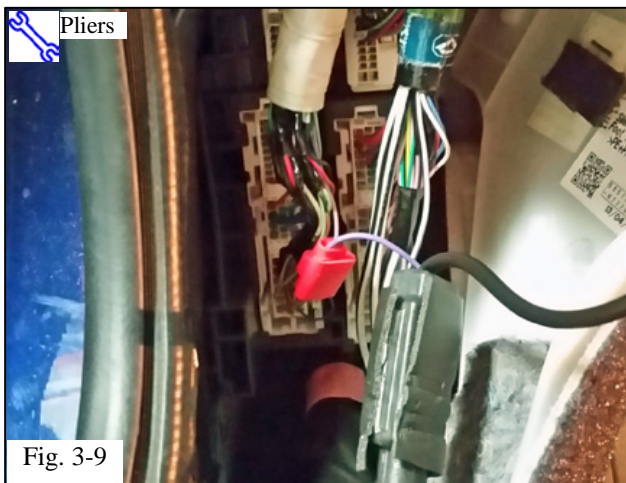
- (h) Remove the connector from the connector block by pushing the locking tab up and pulling the black lock mechanism out (Fig. 3-6).
- (i) Remove the black locking mechanism from the body of the connector.



(j) Locate the violet wire (CTY[-], pin 19) (Fig. 3-7).

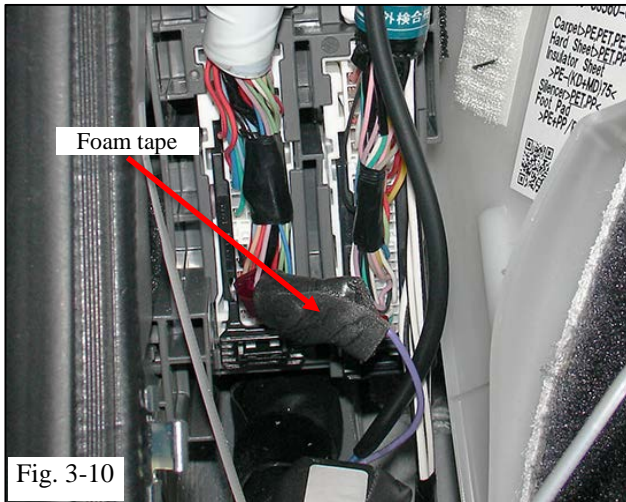


(k) Review the instructions on how to properly use wire taps (Fig. 3-8).



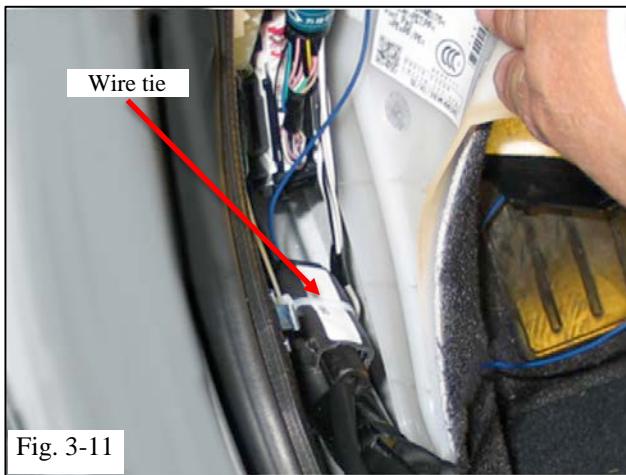
(l) Apply a wire tap to the violet wire and connect the violet wire from the electronics module to the wire tap (Fig. 3-9).

(m) Apply foam tape over the wire tap and spade connector.

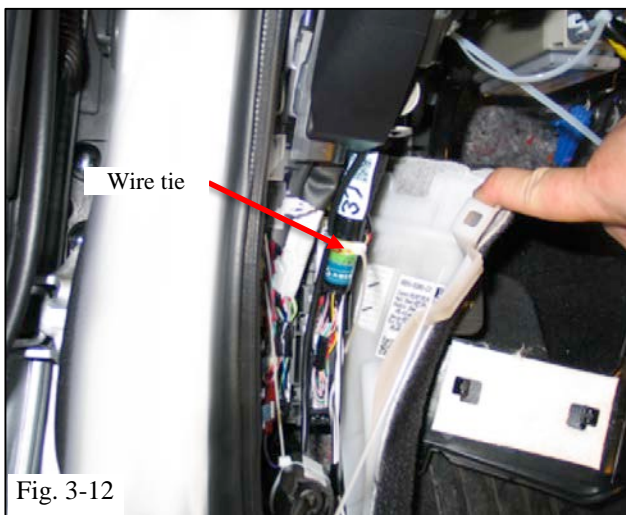


- (n) Reattach the black lock mechanism and reconnect the connector to the connector block (Fig. 3-10).

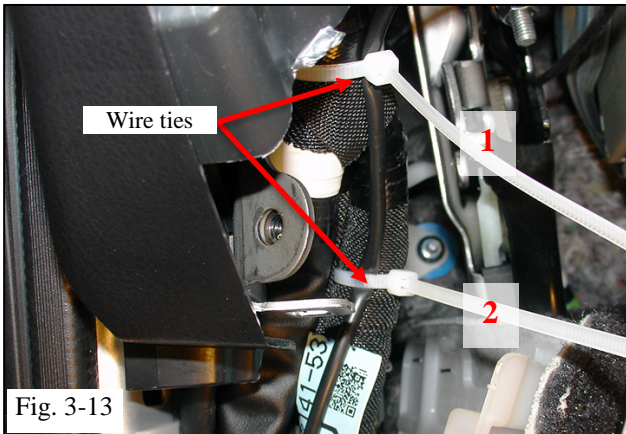
⚠ CAUTION: Make sure the connector lock engages securely.



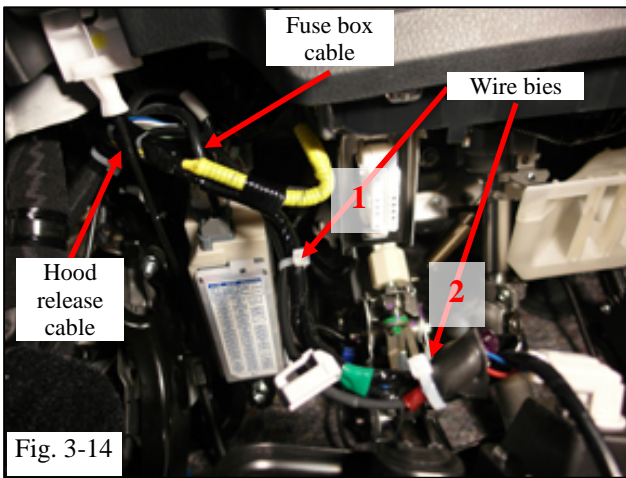
- (o) Secure the electronics module and harness to the existing vehicle harness with one (1) wire tie (Fig. 3-11).



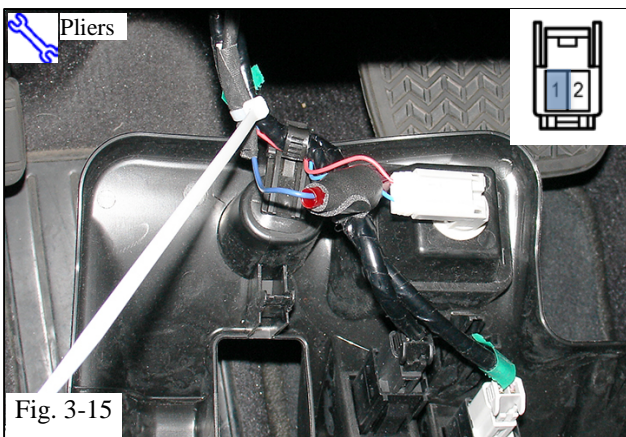
- (p) Run a long (blue) wire from the electronics module up along the vehicle wire harness and secure it with one (1) wire tie (Fig. 3-12).



(q) Continue running the wire up and secure it with two (2) more wire ties (Fig. 3-13).



(r) Continue running the wire along the foot lamp harness and secure it with two (2) wire ties as shown. Make sure to route above the hood release and fuse box cables (Fig. 3-14).



(s) Locate the blue wire (B[+], pin 1) on the driver's side foot lamp connector (Fig. 3-15).

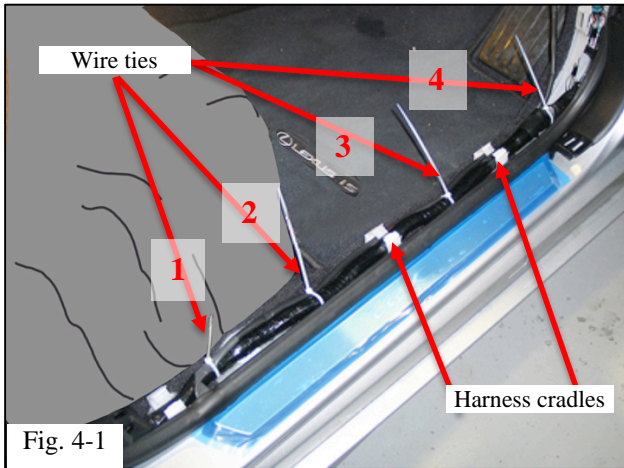
(t) Apply a wire tap and connect the blue wire from the electronics module.

(u) Wrap the wire tap and spade connector with foam tape and reconnect it to the foot lamp.

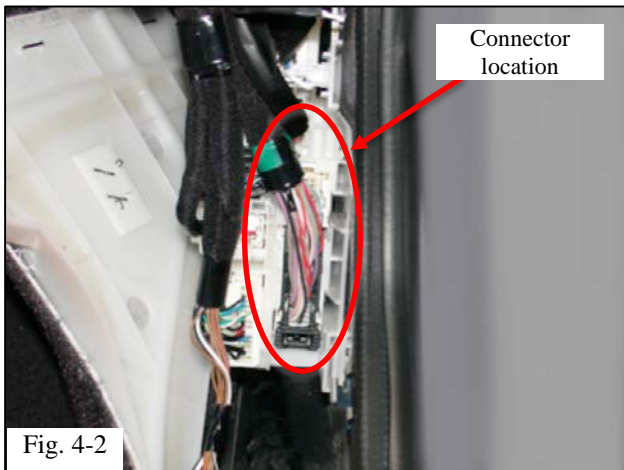
(v) Trim all wire ties to length.

4. Install the Passenger's Side Front Unit.

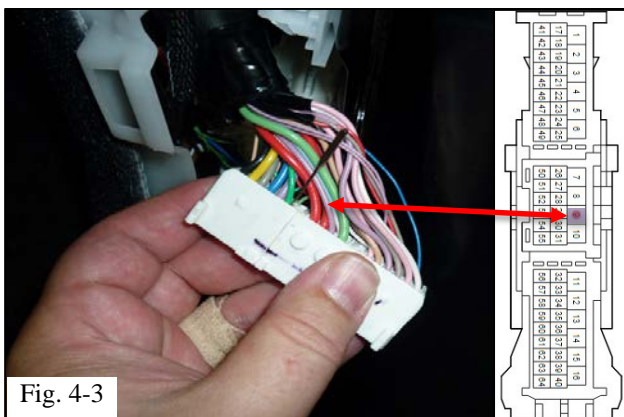
- (a) Route the door sill harness through the soft portion of the weather seal and mount the door sill.
- (b) Route the door sill harness forward through the two (2) existing harness cradles, along the outside edge of the vehicle harness, and secure it with four (4) wire ties (Fig. 4-1).
- (c) Insert the optical wire harness from the door sill into the opening on the electronics module as performed on driver's side. Lightly tug on the wire harness to insure it is locked in.



- (d) Locate the 64 pin connector on the passenger's side kick panel connector block (Fig. 4-2).
- (e) Remove the connector from the connector block by pushing the locking tab up and pulling the black lock mechanism out.
- (f) Remove the black locking mechanism from the body of the connector.

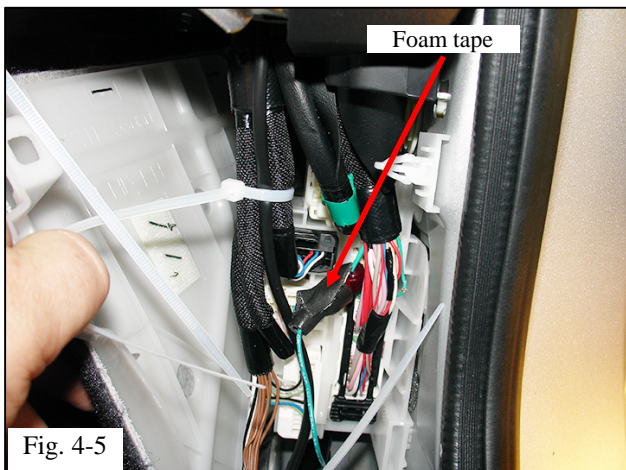


- (g) Locate the violet wire (CTY[-], pin 9) (Fig. 4-3).



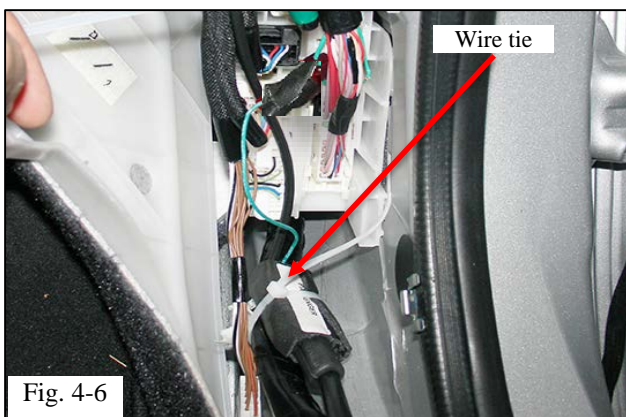


- (h) Apply a wire tap to the violet wire and connect the green wire from the electronics module to the wire tap (Fig. 4-4).

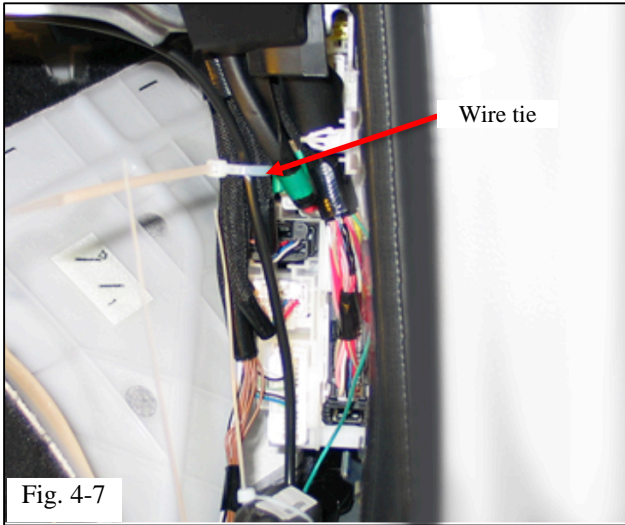


- (i) Apply foam tape over the wire tap and spade connector (Fig. 4-5).
- (j) Reattach the black lock mechanism and reconnect the connector to the connector block.

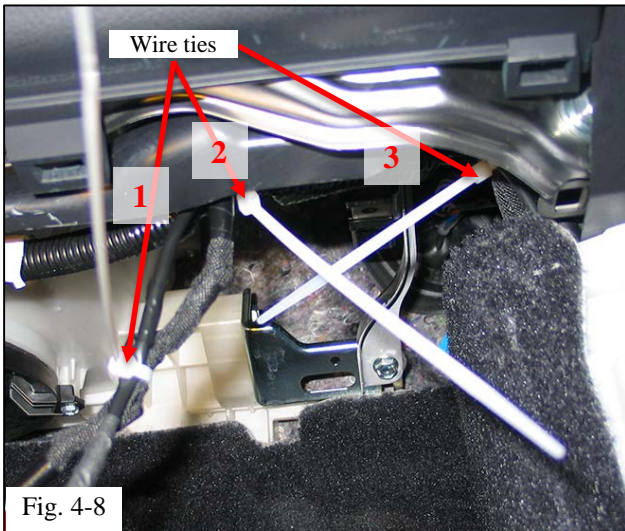
⚠ CAUTION: Make sure the connector lock engages securely.



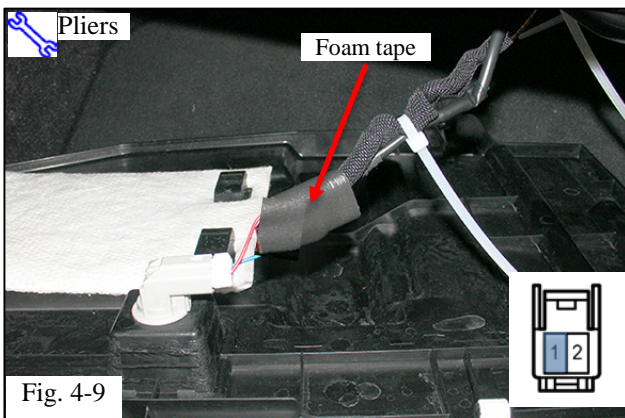
- (k) Secure the electronics module and harness to the existing vehicle harness with one (1) wire tie (Fig. 4-6).



- (l) Run a long (blue) wire from the electronics module up along the vehicle wire harness and secure it with one (1) wire tie (Fig. 4-7).



- (m) Continue running the wire up and along the foot lamp harness and secure it with three (3) wire ties (Fig. 4-8).




- (n) Locate the blue wire (B[+], pin 1) on the passenger's side foot lamp connector (Fig. 4-9).
- (o) Apply a wire tap and connect the blue wire from the electronics module.
- (p) Align the spade connector with the wire harness and wrap the wire tap and spade connector with foam tape (Fig. 4-9).
- (q) Reconnect the connector to the foot lamp.
- (r) Trim all wire ties to length.


5. Perform an In-Process Functional Test.

- (a) Temporarily reconnect the battery negative cable and install the DCC cut fuse if b
- (b) Turn the ignition key to the ACC position.
- (c) Confirm that the illuminated doorsills function properly.
 - (1) Door open – Front door sills are illuminated.
 - (2) Door closed – Front door sills are not illuminated.
- (d) Disconnect the battery negative cable and remove the DCC cut fuse if it was installed in Step 5(a).

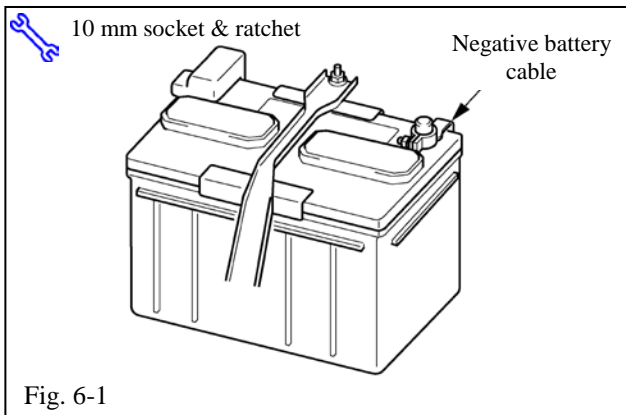
6. Reassemble the Vehicle.

- (a) Reassemble the vehicle in the opposite order that it was disassembled.
- (b) Reconnect the battery negative cable (Fig. 6-1).

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

 (c) Be careful not to touch the positive battery terminal with any tools.

- (d) Clean up and remove any trash.



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

Check:

- Tail lights, brake lights, reverse lights, rear turn signals, hazard lights, license plate light
- Trunk release
- Radio reception
- Horn
- Parking brake light
- High beam dash light
- 12V/cigarette outlet
- Dimmer switch
- HVAC
- Steering wheel controls

Look For:

- All rear lights should operate normally.
- Trunk release should operate normally.
- Radio AM/FM reception should work normally.
- Horn operates properly.
- Apply the parking brake and confirm the brake dash light comes on.
- Turn on the headlights, activate the high beams and verify the high beam dash light comes on.
- Outlet operates properly.
- Dimmer switch operates properly.
- HVAC system operates properly.
- The steering wheel controls operate properly.

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

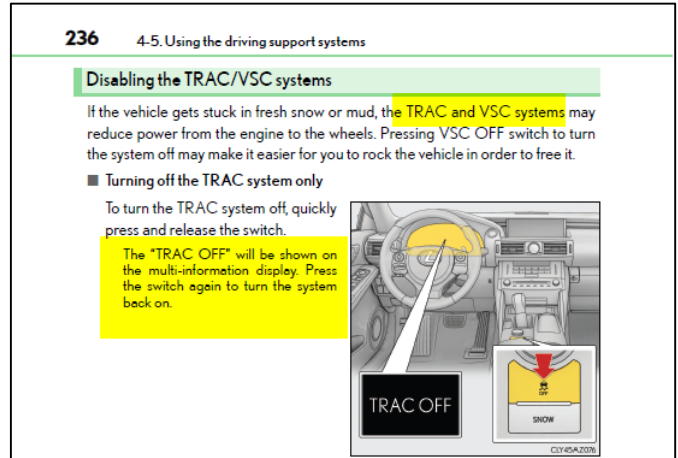
Check:

- Skid control (TRAC/VSC)

(The TRAC system switch is located near the shift lever. The light is located on the main dash cluster)

Look For:

- Turn the TRAC system **off** and verify the warning light comes on.
- Turn the TRAC system **on** and verify the warning light goes off.



Vehicle Appearance Check

- After accessory installation and removal of protective cover(s), perform a visual inspection.

Ensure no damage (including scuffs and scratches) was caused during the installation process.
(For PPO installations, refer to TMS Accessory Quality Shipping Standard.)