

Part Number: PTS21-52080

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

Kit Contents

| Item # | Quantity Reqd. | Description |
|--------|----------------|---|
| 1 | 2 | Hardware Kit w/ power harness |
| 2 | 1 | Front Left Door Illuminated Sill Protector |
| 3 | 1 | Front Right Door Illuminated Sill Protector |
| 4 | 1 | Installation Instructions |

| | |
|--------------|--|
| Wire Cutters | |
| Scissors | |

| Special Chemicals | Notes |
|---------------------|---|
| All Purpose Cleaner | 3M Prep Sol-70, mild water based, solvent free all purpose cleaner. |

Hardware Kit Contents (LH)

| Item # | Quantity Reqd. | Description |
|--------|----------------|-------------------------------|
| 1 | 1 | Power Harness with Fuse |
| 2 | 2 | Foam Pad (38.1 x 38.1 x 4.75) |
| 3 | 2 | Foam Pad (63.5 x 38.1 x 1.57) |
| 4 | 10 | Wire Ties (101.6) |
| 5 | 2 | T-taps |

General Applicability

| |
|-----------------|
| 2008 SCION - xB |
|-----------------|

Recommended Sequence of Application

| Item # | Accessory |
|--------|--------------------------|
| 1 | V5 Security – RS3200 + |
| 2 | V4 RES |
| 3 | Satellite Radio |
| 4 | Illuminated Sill Upgrade |
| 5 | Interior Light Kit |

Hardware Kit Contents (RH)

| Item # | Quantity Reqd. | Description |
|--------|----------------|-------------------------------|
| 1 | 1 | Power Harness with Fuse |
| 2 | 1 | Foam Pad (38.1 x 38.1 x 4.75) |
| 3 | 1 | Foam Pad (63.5 x 38.1 x 1.57) |
| 4 | 6 | Wire Ties (101.6) |
| 5 | 2 | T-taps |

Vehicle Service Parts (may be required for reassembly)

| Item # | Quantity Reqd. | Description |
|--------|----------------|-------------|
| | | |
| | | |
| | | |

Additional Items Required For Installation

| Item # | Quantity Reqd. | Description |
|--------|----------------|-------------|
| | | |

Conflicts

| |
|------|
| None |
|------|

Recommended Tools

| Personal & Vehicle Protection | Notes |
|---------------------------------|--|
| Safety Glasses | |
| Safety Gloves | Optional |
| Vehicle Protection | Blankets, Part Boxes, |
| | |
| Special Tools | Notes |
| Installation Template | PPO Only IADS (SXB-08-051) |
| Non-intrusive temperature probe | For measuring door sill temperature if necessary |
| Blow Drier | For cold temperature installations. |
| | |
| Installation Tools | Notes |
| Nylon Panel Removal Tool | |
| Ratchet | |
| Socket | 10 mm |
| Torque Wrench | 36 lbf-in |
| Non-scratch wiping cloth | 3M Micro-fiber |
| Pliers | |

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. |

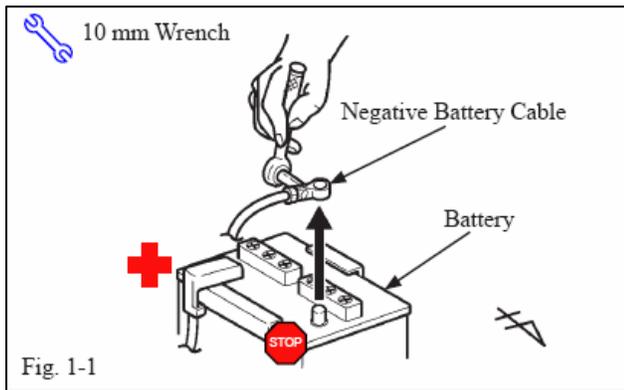
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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.

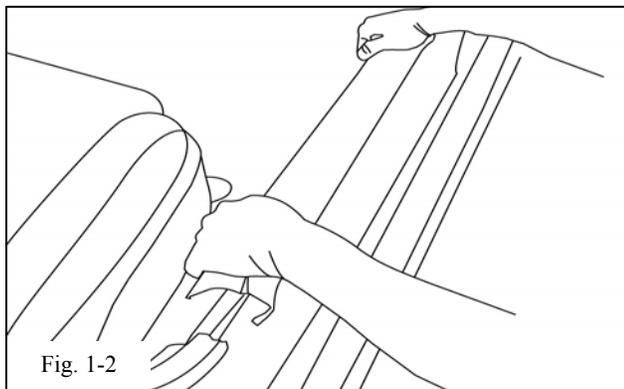


1. Vehicle Disassembly

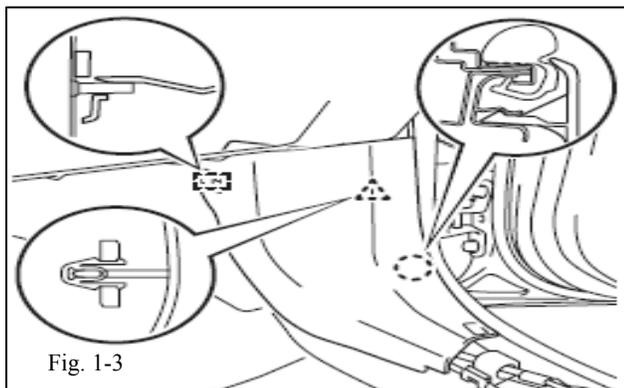
(a) Remove the negative battery cable. (Fig. 1-1)



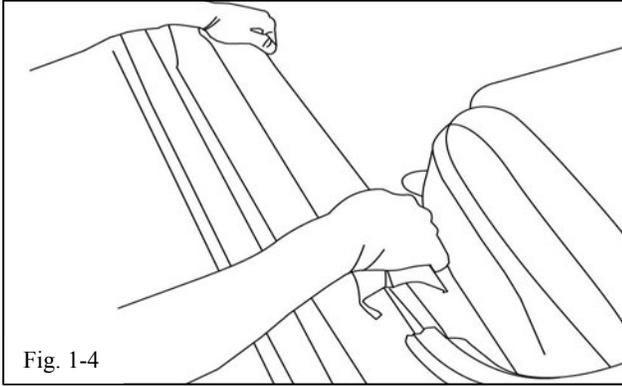
(1) Do not touch the positive terminal with any tool when removing cable.



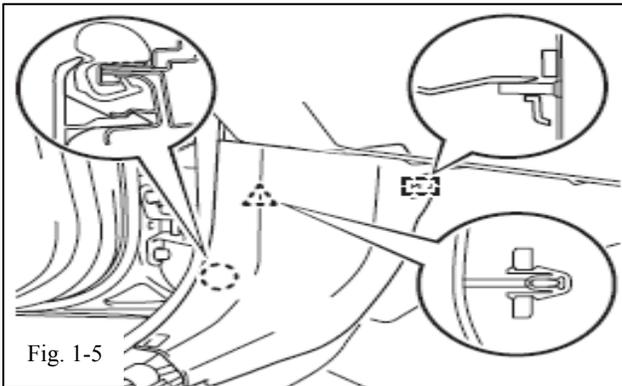
(b) Remove the passenger side door scuff. (Fig. 1-2)



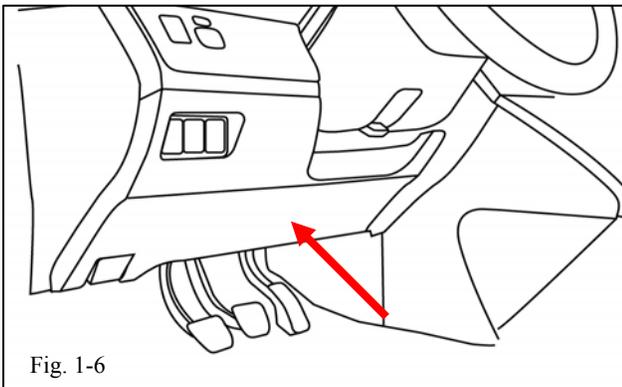
(c) Remove the passenger side cowl cover. (Fig. 1-3)



(d) Remove the driver side door scuff. (Fig. 1-4)

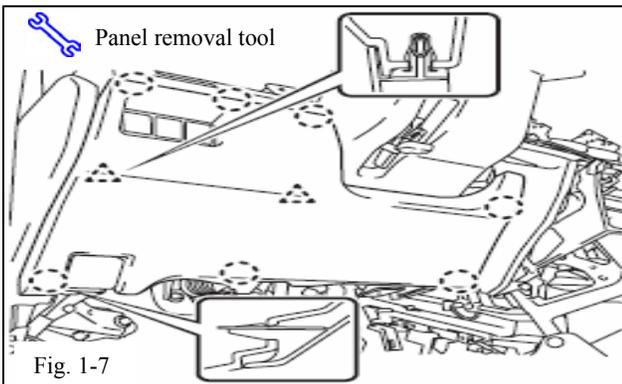


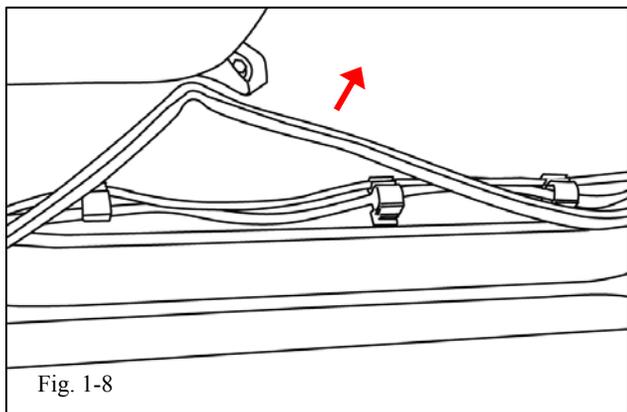
(e) Remove the driver side cowl cover.
(Fig. 1-5)



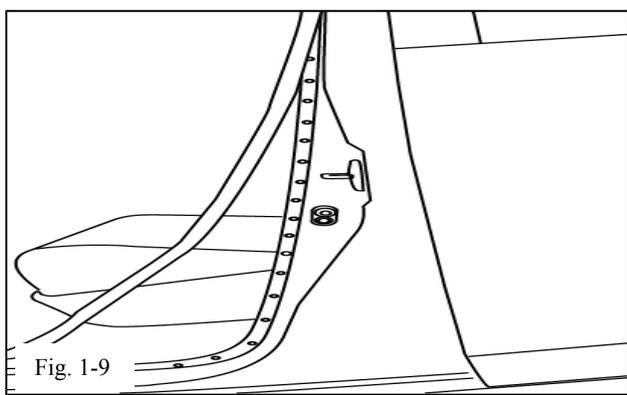
(f) Locate and remove the lower IP panel.
(Fig. 1-6)

- (1) Using a panel safe tool, loosen the lower IP panel. (Fig. 1-7)
- (2) Disconnect any connectors connected to the lower IP panel.
- (3) Remove the lower IP panel from the vehicle.

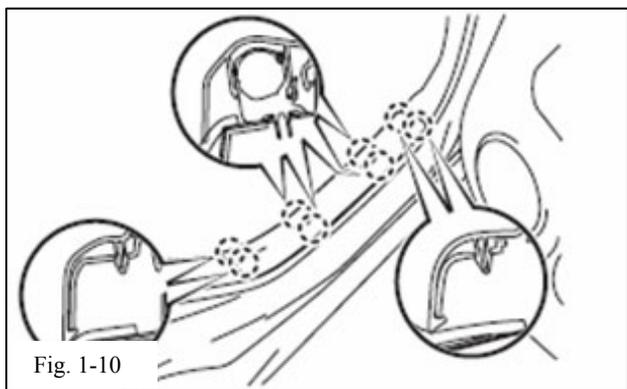




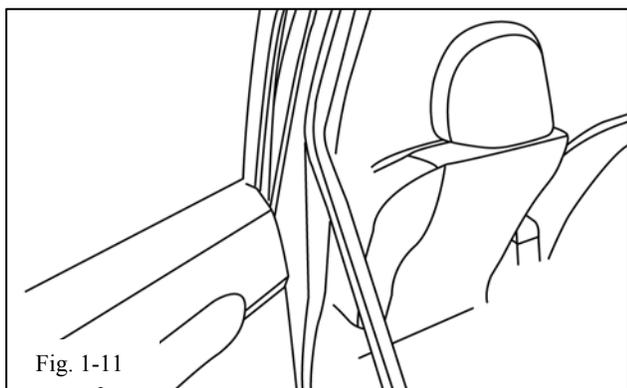
- (g) Lift the driver side door seal from the pinch weld area. (Fig. 1-8)



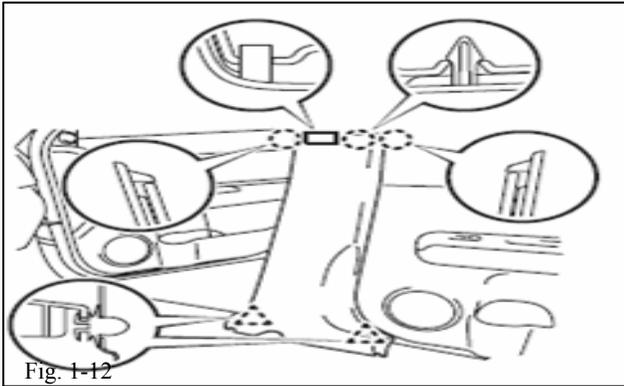
- (h) Lift driver side front door seal from B pillar. (Fig. 1-9)



- (i) Remove the driver side rear door scuff. (Fig. 1-10)

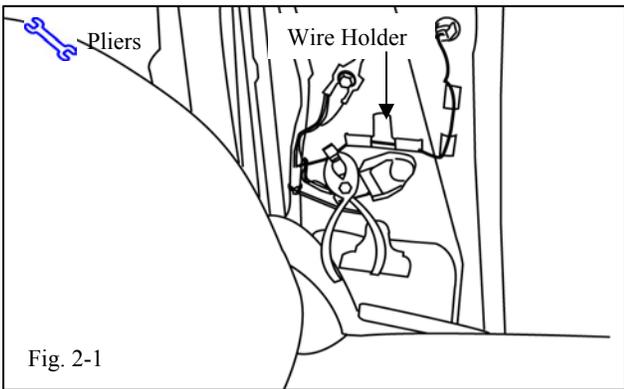


- (j) Lift driver side rear door seal from B pillar. (Fig. 1-11)



(k) Remove the lower B pillar cover. (Fig. 1-12)

2. Driver Side Sill Installation



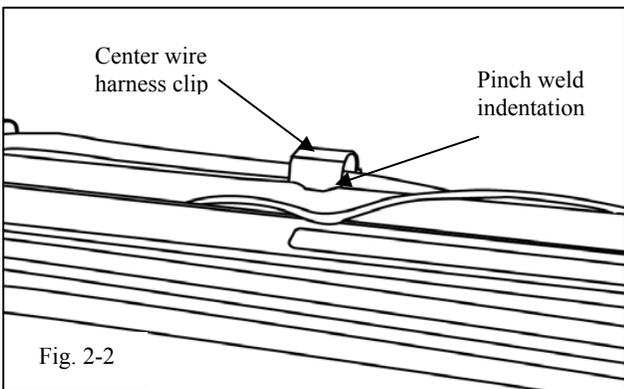
(a) Install a T-Tap 0.5 inches to the left of the wire holder on the white door courtesy wire located on the B pillar. (Fig. 2-1)



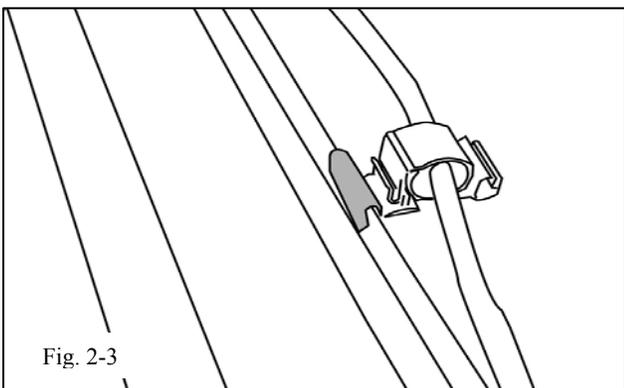
(1) Using pliers, make sure that T-Tap is snapped in correctly.



(2) DO NOT tap into the white airbag sensor wire below it.

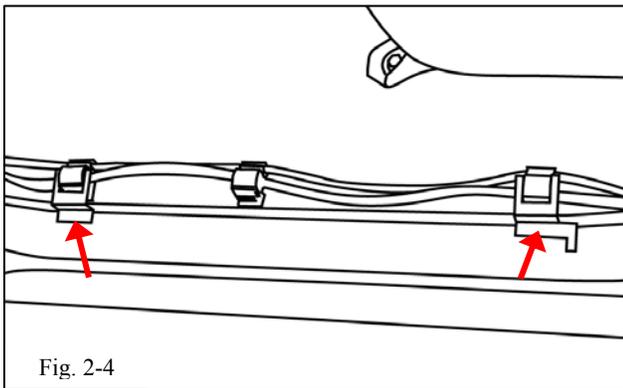


(b) Locate the crescent shaped indentation on the pinch weld just in front of the center wire harness clip. (Fig. 2-2)

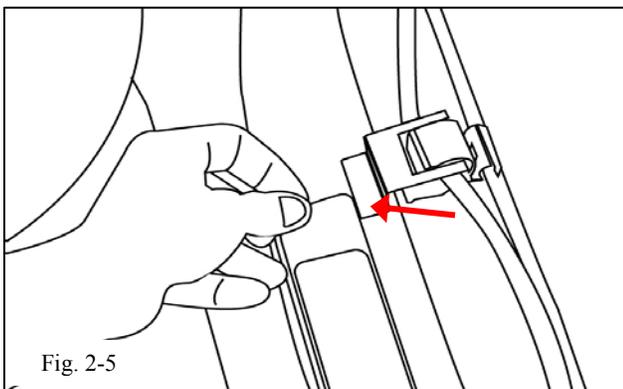


(c) Apply a thin piece of foam tape to the crescent shaped indentation on the pinch weld. (Fig. 2-3)

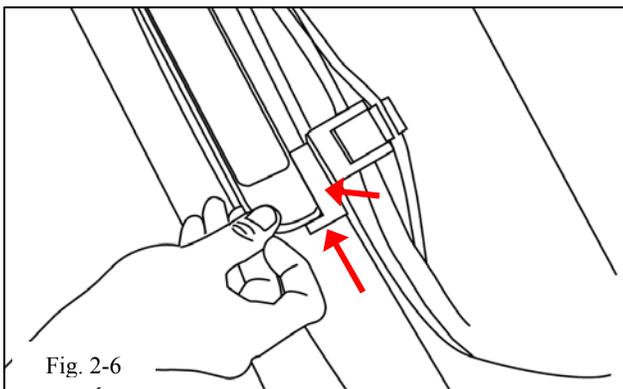
- (d) Cut out instruction templates
 - (1) Check the two inch reference on the paper templates located at the end of the installation instructions.
 - (2) Using scissors, cut out the paper templates.
 - (3) Fold the paper templates according to the folded view.



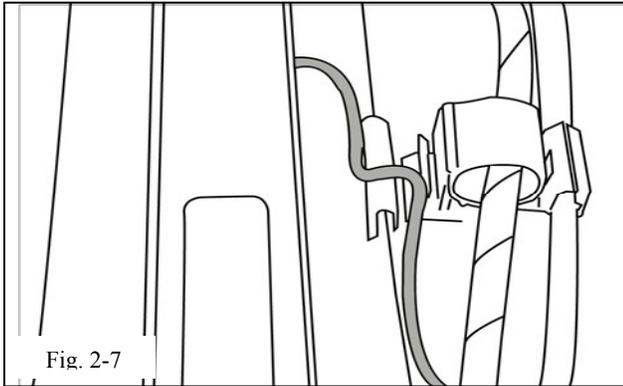
- (e) Installation Temperature
 - (1)  The Door Sill Protector and Sill surface temperature must be between 60° F and 90° F at time of actual installation.
 - (2) If necessary, a blow drier can be used to heat the part and surface to correct installation temperature.



- (f) Clean the Door Sill Surface
 - (1)  Clean the plastic sill 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.)



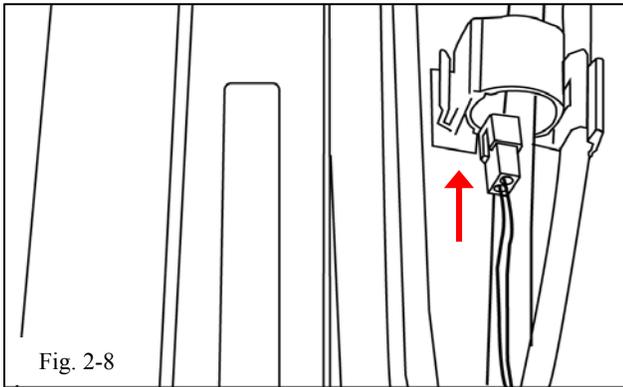
- (g) Install driver side front and rear installation templates over front and rear plastic harness clips. (2-4)
- (h) Remove liner from lighted side sill. Align inside edge of sill to templates. (Fig. 2-5) (Fig. 2-6)



(i) With the side sill in correct position apply firm pressure to secure side sill to door opening, working from the center outward.

(j) Route the side sill harness parallel to pinch weld and across the foam tape. (Fig. 2-7)

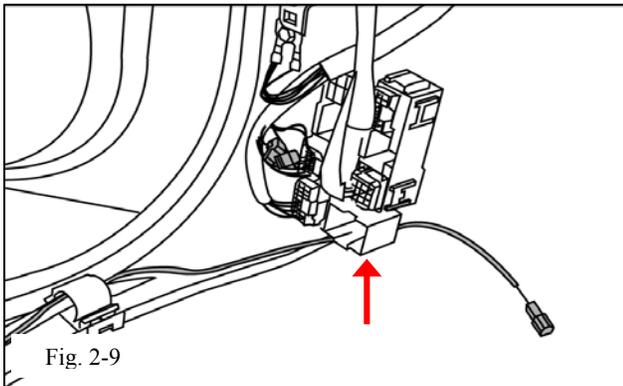
(1) Wire harness must be tight to pinch weld with no excess on outside of pinch weld.



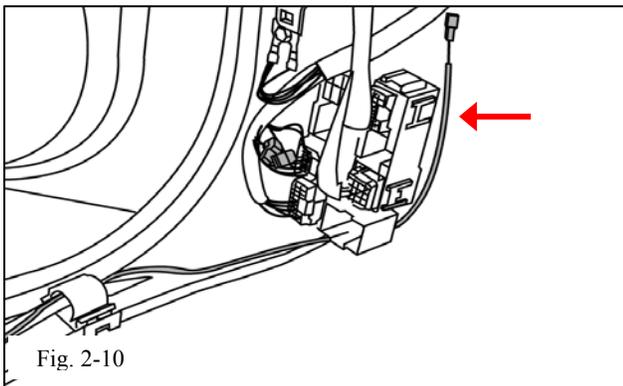
(k) Route the side sill harness along the vehicle harness toward front of the vehicle.

(1) Side sill harness should go through the center and front wire harness clips.

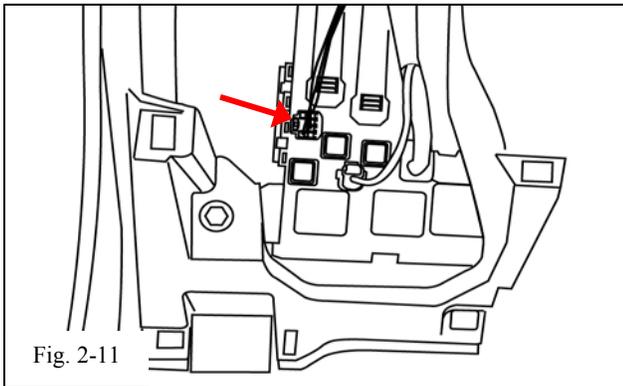
(Fig. 2-8)



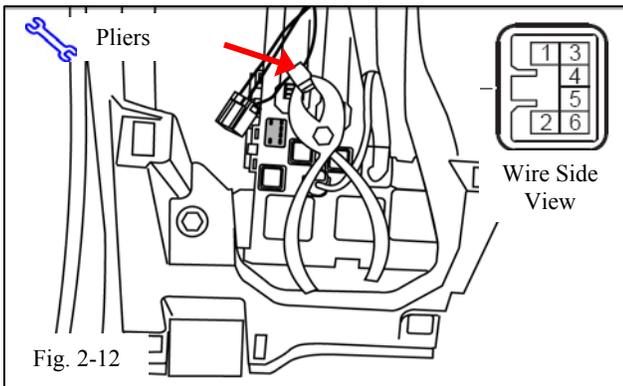
(l) Route the side sill harness to the right of and under the connector block. (Fig. 2-9)



(m) Route the side sill harness up and behind the connector block. (Fig. 2-10)



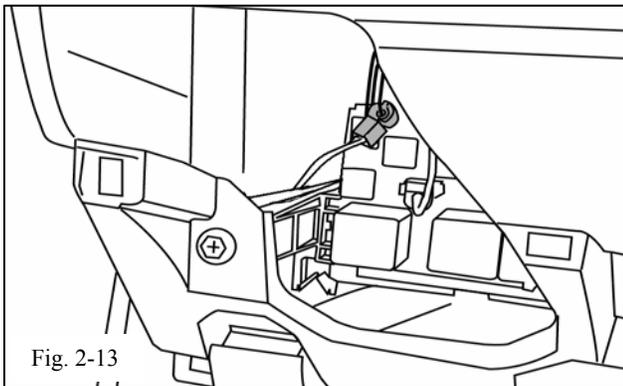
- (n) Locate and disconnect the 6 pin connector on the junction block. (Fig. 2-11)



- (o) Install a T-Tap to white/red wire (Pin # 5) in the 6 pin connector, 1 in. from the connector. (Fig. 2-12)



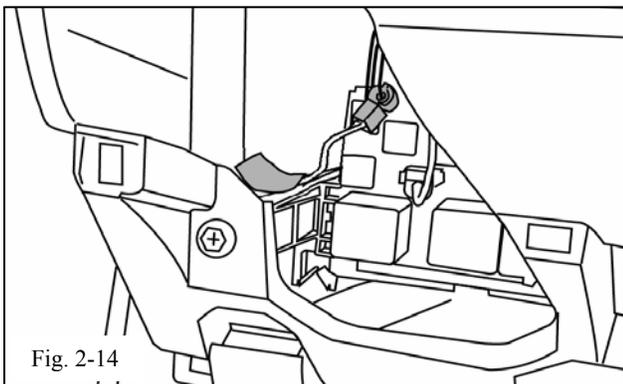
- (1) Using pliers, make sure that T-Tap is snapped in correctly.



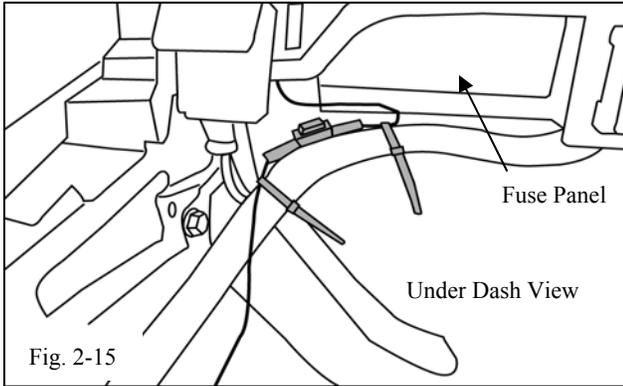
- (p) Attach the white power harness wire to T-Tap on white/red wire and reinstall the 6 pin connector. (Fig. 2-13)



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



- (q) Secure the white power harness wire with a thick foam tape to the left side mounting bracket attached to the junction block (Make sure that all parts of harness are placed on left side of junction block). (Fig. 2-14)

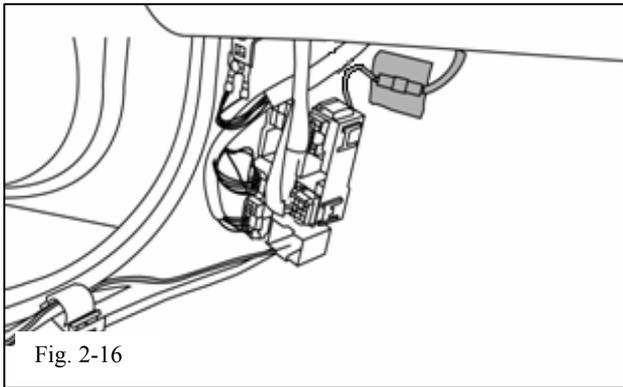


(r) Route the wire harness around the back of the junction block and down to the OE harness just under the junction block.

(1) Using two (4 in.) wire ties, secure the power harness white wire to the OE harness on each side of the fuse.

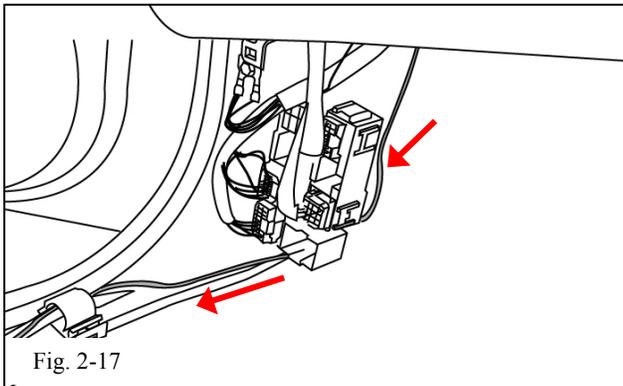
(Fig. 2-15)

(2) Do not wire tie the black power harness wire.



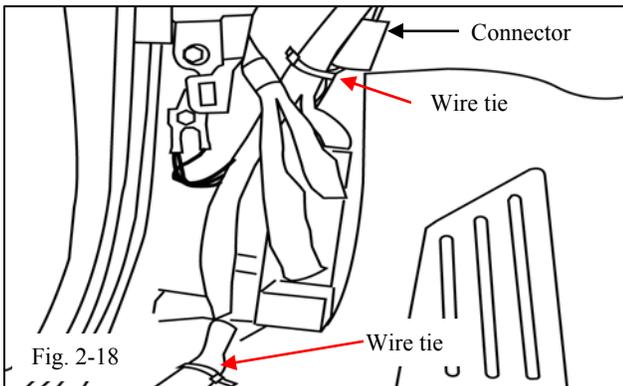
(s) Connect the power harness to the side sill harness and wrap with the thick foam tape.

(Fig. 2-16)



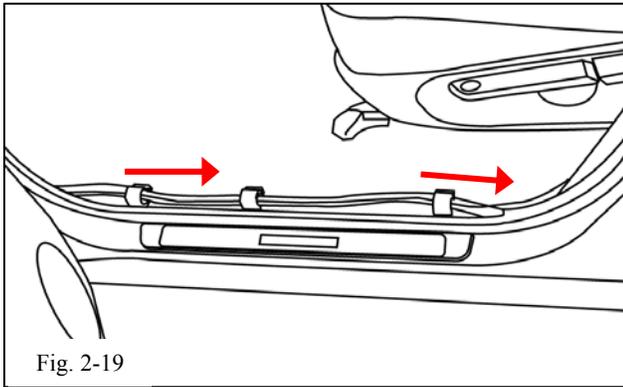
(t) Route the black power harness wire along the side sill harness towards the rear of the vehicle.

(Fig. 2-17)

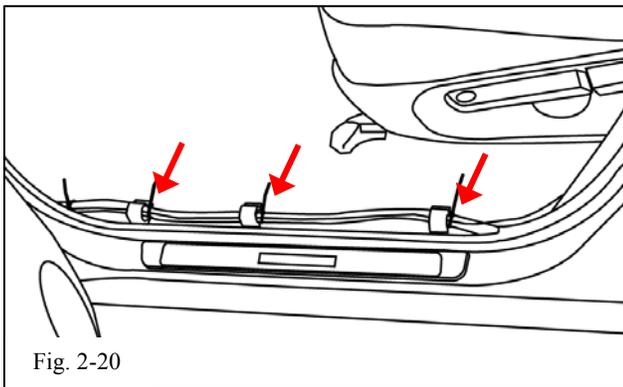


(u) Use two wire ties to secure the power harness to the vehicle harness.

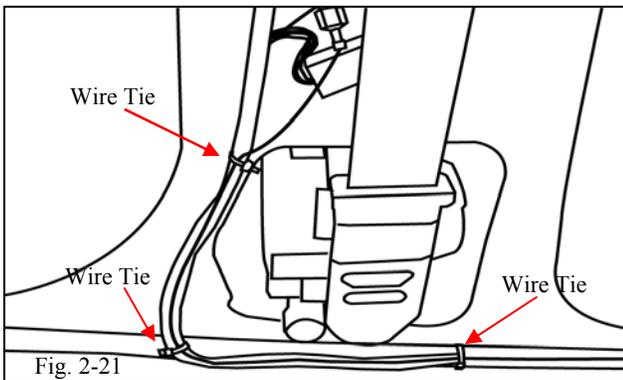
(1) Tighten wire ties and cut off excess.



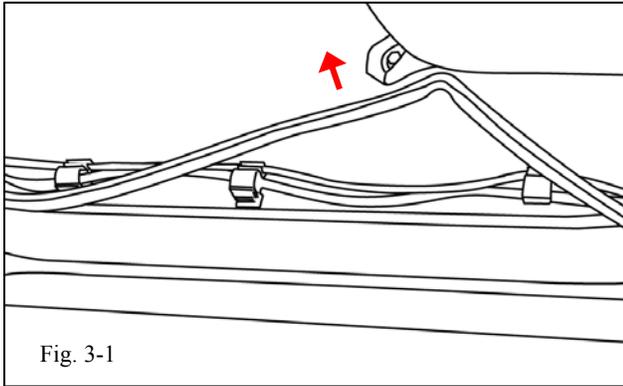
- (v) Continue to route the black power harness wire along the vehicle harness toward the B Pillar. (Fig. 2-19)
- (1) Make sure the wire goes through the wire harness clips.



- (w) Use three wire ties to secure the black wire from power harness and the side sill harness to the vehicle harness. (Fig. 2-20)

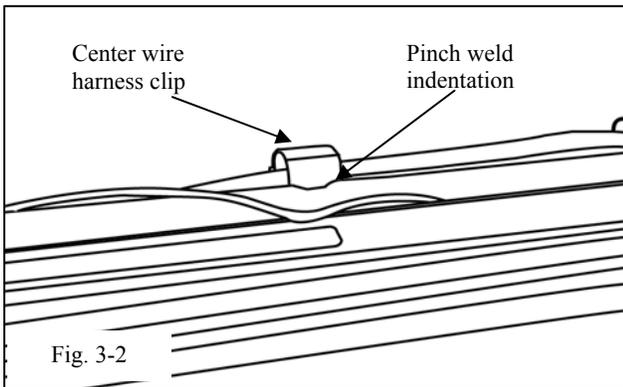


- (x) Route the black power harness wire along the vehicle harness up the B pillar and connect it to the T-Tap installed on the white door courtesy wire.
- (1) Make sure that the quick disconnect is installed properly to T-Tap.
- (2) Apply three wire ties around the black wire and the vehicle harness. (Fig. 2-21)

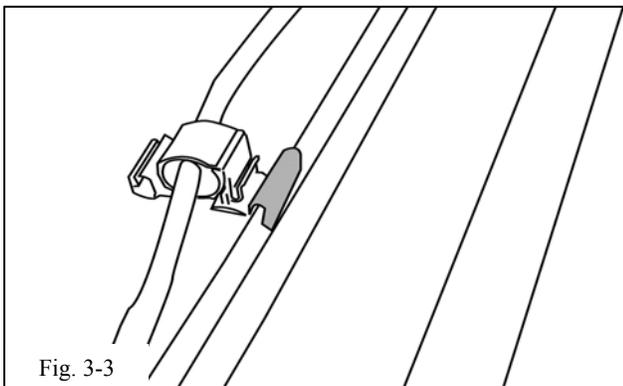


3. Passenger Side Sill Installation

- (a) Lift the passenger side door seal from the pinch weld area. (Fig. 3-1)



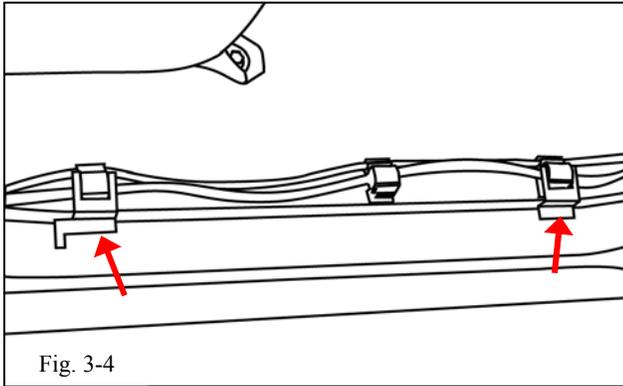
- (b) Located the crescent shaped indentation in the pinch weld, just in front of the center wire harness clip. (Fig. 3-2)



- (c) Apply the thin foam pad over the pinch weld at the crescent shaped indentation. (Fig. 3-3)

(d) 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.



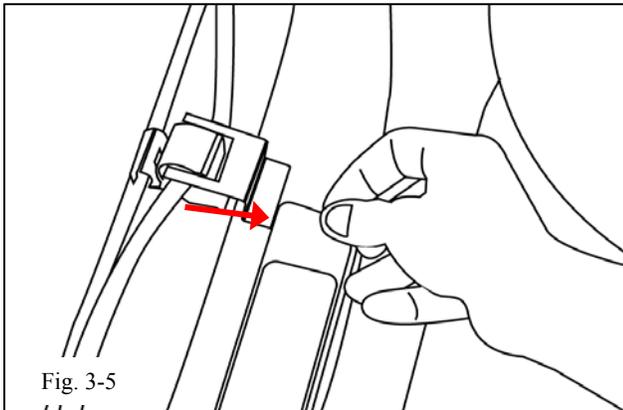
(e) Clean the Door Sill Surface



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

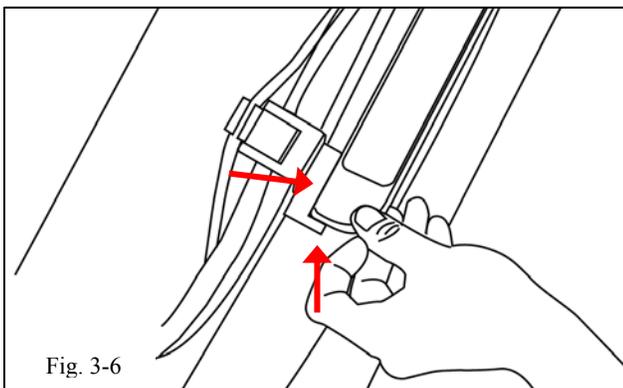


(2) Surface must be free from all contaminants (plastic protectants, oily - substances, dirt, etc.)

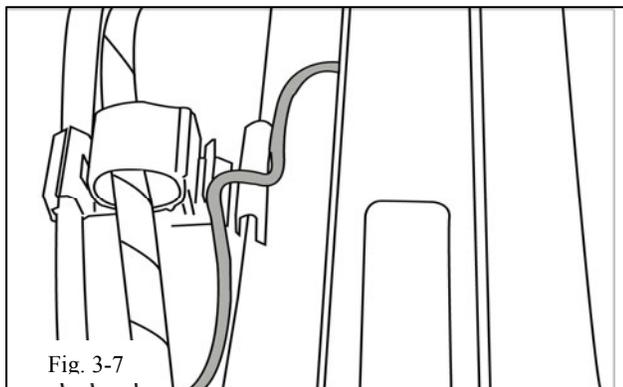


(f) Install passenger side front and rear installation templates over front and rear plastic harness clips. (3-4)

(g) Remove liner from lighted side sill. Align inside edge of sill to templates. (Fig. 3-5) (Fig. 3-6)



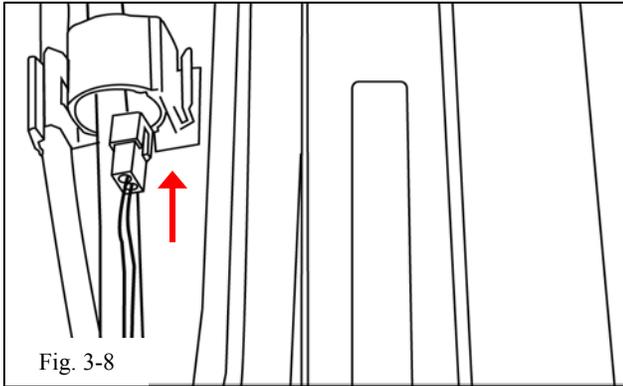
(h) With the side sill in correct position apply firm pressure to secure side sill to door opening, working from the center outward.



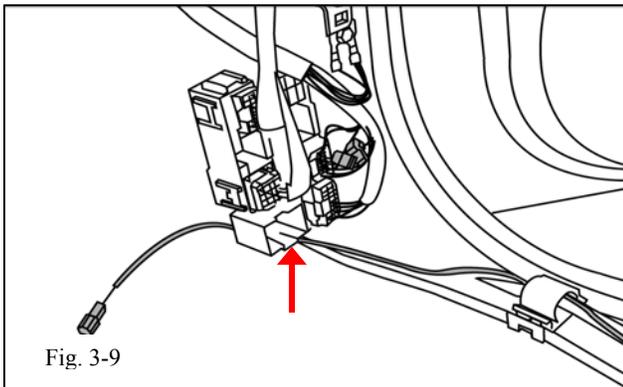
(i) Route the side sill harness parallel to pinch weld and across the foam tape. (Fig. 3-7)

(1) Wire harness must be tight to pinch weld with no excess on outside of pinch weld.

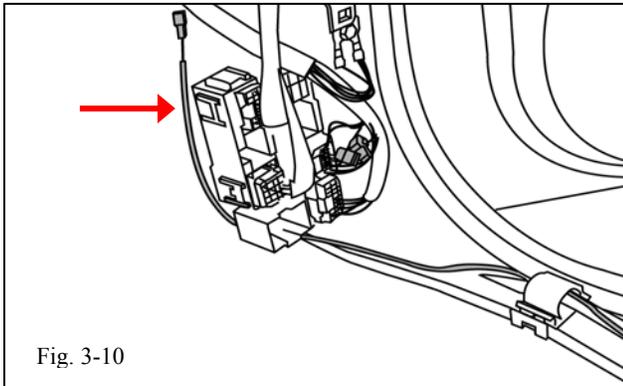
(2) Reinstall the passenger side door seal to the pinch weld area.



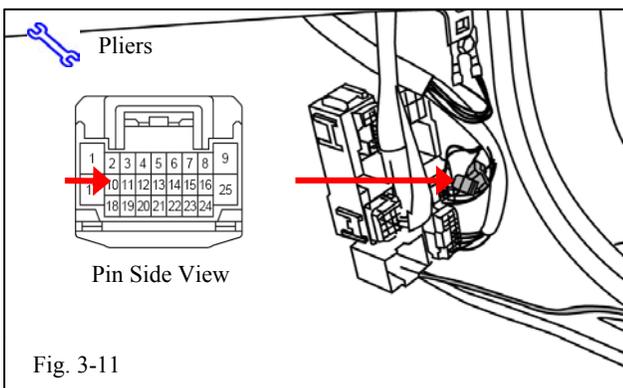
- (j) Route the side sill harness along the vehicle harness toward front of the vehicle.
- (1) Side sill harness should go through the center and front wire harness clips. (Fig. 3-8)



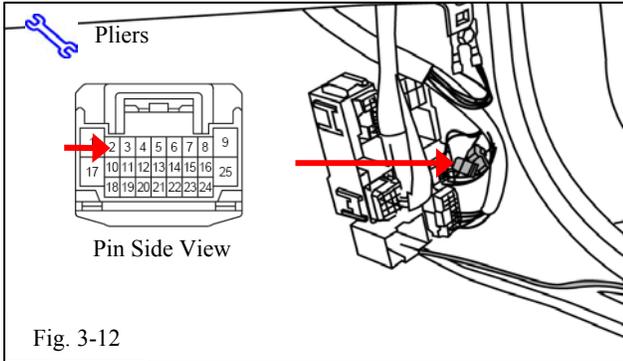
- (k) Route the side sill harness to the left of and under the connector block. (Fig. 3-9)



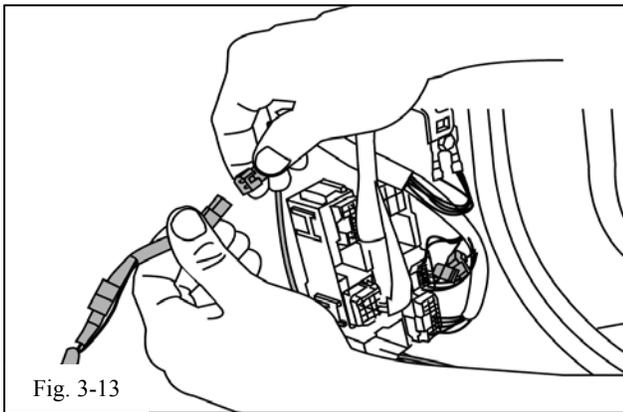
- (l) Route the side sill harness up and behind the connector block. (Fig. 3-10)



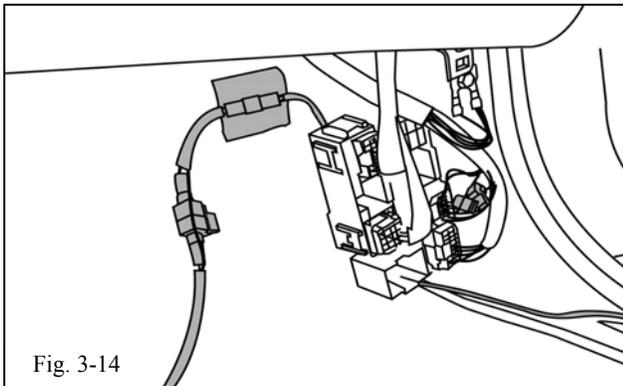
- (m) Locate and install T-Taps to the gray 25 pin connector located in the passenger cowl area.
- (1) Disconnect the gray 25 pin connector.
- (2) Install a T-Tap to pink wire (Pin # 10) on the 25 pin connector, 1 in. from connector. (Fig. 3-11)



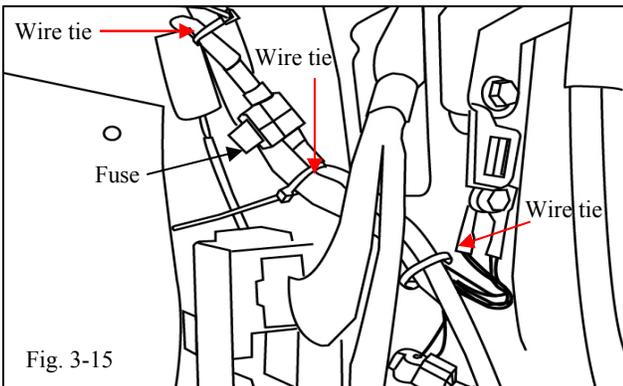
- (3) Install a T-Tap to the brown wire (Pin # 2) on the 25 pin connector, 1.5 in. connector. (Fig. 3-12)
- (4) Using pliers, make sure that T-Taps are snapped in correctly.
- (5) Reinstall the 25 pin connector.



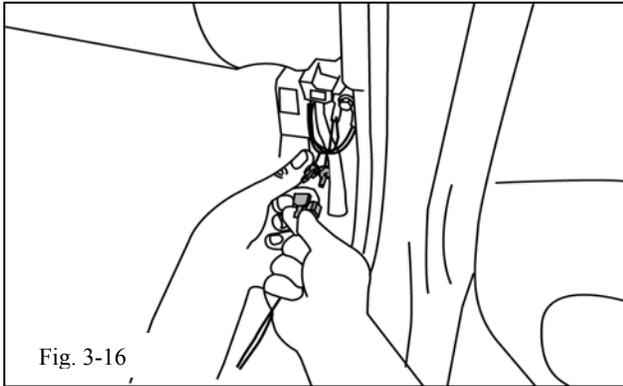
- (n) Connect the passenger side power harness to the side sill harness. (Fig. 3-13)



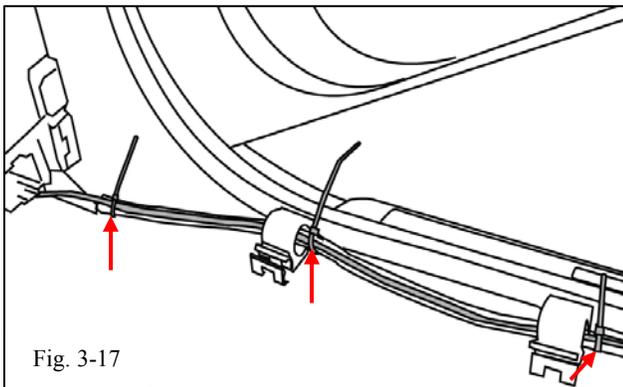
- (o) Wrap the connector with the thick foam pad. (Fig. 3-14)



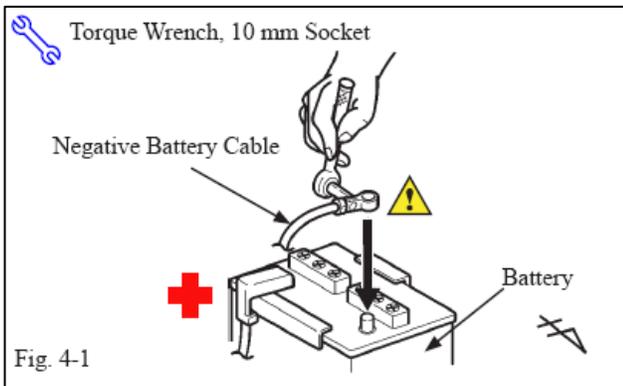
- (p) Route the power harness along the vehicle harness as shown. (Fig. 3-15)
- (1) Use three wire ties to secure the power harness to the vehicle harness.



- (q) Connect the power harness to the T-Taps. (Fig. 3-16)
 - (1) Connect the white power harness wire to the T-Tap on the pink wire.
 - (2) Connect the black power harness wire to the T-Tap on the brown wire.
 - (3) Make sure that the quick disconnects are installed properly to T-Taps.



- (r) Secure side sill harness to vehicle harness with three wire ties. (Fig. 3-17)
 - (1) DO NOT put a wire tie around the windshield washer fluid tube.
 - (2) Tighten wire ties and cut off excess.



4. Testing

- (a) Plug in the dome lamp fuse located in the engine compartment if necessary.
- (b) Temporarily reconnect the vehicle's negative battery cable. (Fig. 4-1)
- (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.

5. Vehicle Reassembly

- (a) Reinstall the lower B pillar cover and the driver side front and rear door seals.
- (b) Reinstall the rear door scuff.
- (c) Reinstall the lower IP panel.

(1) Be sure to reconnect any disconnected connectors.

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

(e) Reconnect the vehicle's 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.

6. Completing the Installation

(a) Perform vehicle accessory function checks.

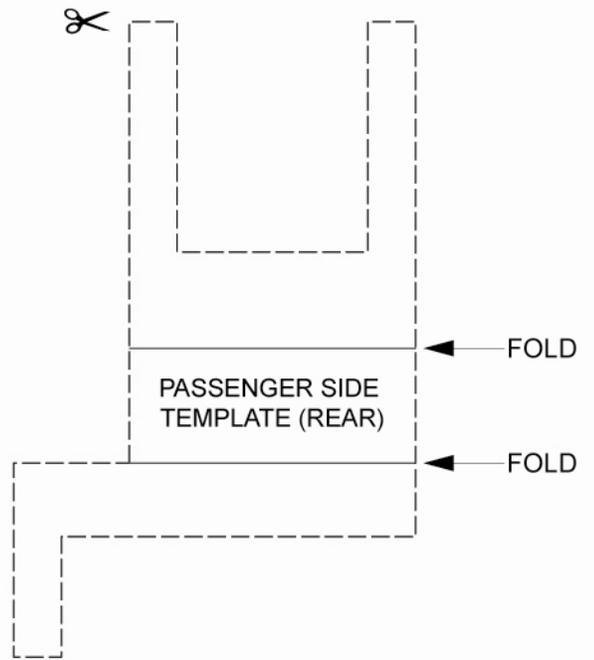
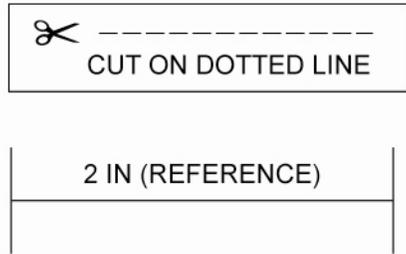
(b) Using an approved cleaner, clean any smudges, fingerprints, or dirt off of the front door sill surfaces.

(c) Clean up and remove any trash.

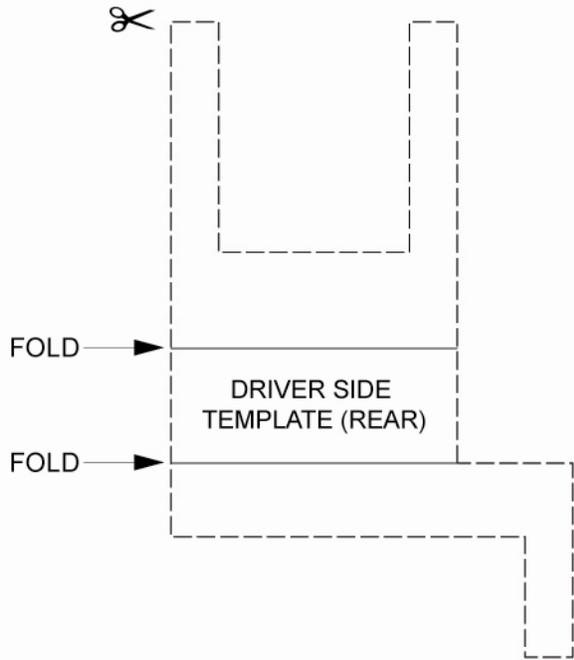
Checklist - these points **MUST** be checked to ensure a quality installation.

| Check: | Look For: |
|---|--|
| <p><u>Accessory Function Checks</u></p> <p><input type="checkbox"/> Open the door.</p> <p><input type="checkbox"/> Close the door.</p> | <p>Door sill light should turn on.</p> <p>Door sill light should turn off.</p> |
| <p><u>Vehicle Function Checks</u></p> <p><input type="checkbox"/> Open the door.</p> <p><input type="checkbox"/> Close the door</p> <p><input type="checkbox"/> Press the power door lock switch lock.</p> <p><input type="checkbox"/> Press power door lock switch unlock.</p> <p><input type="checkbox"/> Turn on the radio.</p> <p><input type="checkbox"/> Press and hold the tire pressure button.</p> <p><input type="checkbox"/> Press the traction control button on and off.</p> | <p>Interior lighting system should function properly.</p> <p>Interior lighting system should function properly.</p> <p>All doors should lock.</p> <p>All doors should unlock.</p> <p>All speakers should function properly.</p> <p>The tire pressure light should display or blink and then turn off.</p> <p>The traction control light should come on and turn off on the dash.</p> |

PASSENGER SIDE
TEMPLATE
(FOLDED VIEW)



DRIVER SIDE
TEMPLATE
(FOLDED VIEW)



DRIVER SIDE &
PASSENGER SIDE
TEMPLATE
(FOLDED VIEW)

