

Part Number: PT944-48200 / PT944-48220 / PT944-48251

Kit Contents

Item #	Quantity Req.	Description
1	2	Front Illuminated Door Sills
2	1	Hardware Kit
3		

Hardware Bag Contents

Item #	Quantity Req.	Description
1	6	15cm Wire Tie
2		
3		
4		
5		

Additional Items Required For Installation

Item #	Quantity Req.	Description
1		
2		
3		

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Safety Gloves	Optional
Vehicle Protection	
Special Tools	Notes
Plastic Pry Tool	
Installation Tools	Notes
10mm Socket / Ratchet or 10mm Wrench	For Battery
Wire Cutters	
Plastic pry tool	
Special Chemicals	Notes
Cleaner	VDC Approved Cleaner

General Applicability

MY20 and newer Highlander, Highlander HV models

Recommended Sequence of Application

Item #	Accessory
1	
2	

*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.



REGULATORY MARK: This mark indicates the component is related to regulatory compliance

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. Check the Kit Content.

(a) Check kit for content and damage.

- (1) Two (2) front illuminated door sills.
- (2) One (1) hardware kit.

2. Prepare the Vehicle.



(a) Confirm parking brake is engaged.

(b) Raise the front driver and passenger seats to the highest position to aid during vehicle disassembly.

(c) Locate and remove the negative (-) battery terminal (Fig. 2-1).



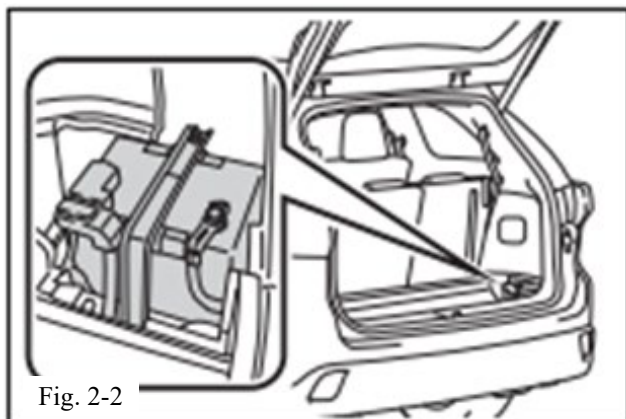
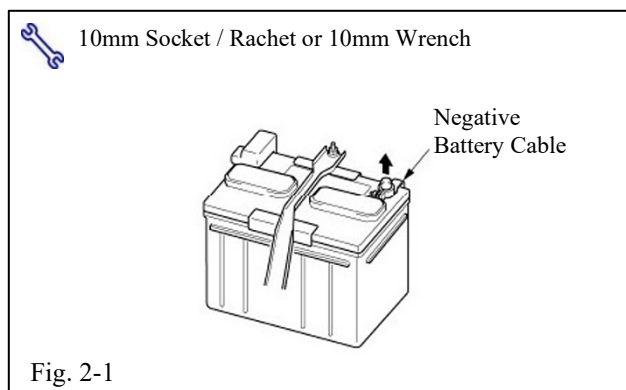
CAUTION: Do not touch the positive terminal with any tool during removal.

(1) Remove the negative (-) 12V battery terminal using a 10mm wrench or socket.



NOTE: For Gas vehicles, the 12V battery is located in the engine compartment. For HV vehicles, the 12V battery is located behind an access panel, at the RH side of the rear cargo area (Fig. 2-2).

(2) Secure the negative (-) battery terminal so that it does not make contact with the battery terminals.



3. Disassemble the Front Driver Door Sill.

- (a) Protect the driver seat with a blanket while removing the vehicle door sill, and installing the front illuminated door sill (Fig. 3-1).



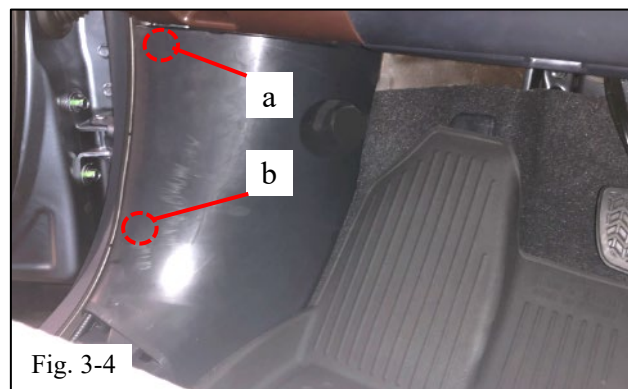
- (b) Remove the front driver door sill using a plastic pry tool by disengaging the hooks located at the rear and front of the door sill (Fig. 3-2). A plastic pry tool is optional to be used to remove the front driver door sill.
- (c) Remove and discard the door sill by pulling upward.

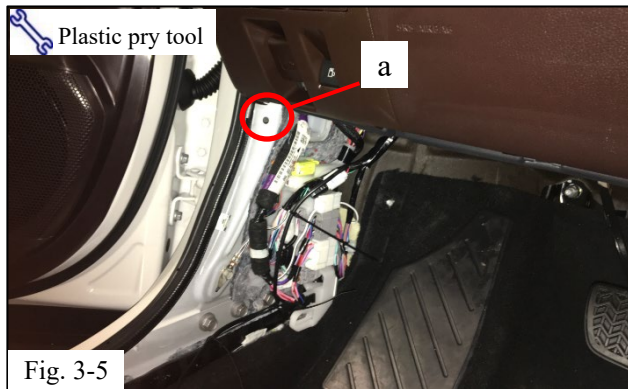


- (d) Remove the plastic nut on the cowl and retain for reassembly (Fig. 3-3).



- (e) Remove the cowl by pulling rearward to disengage one attachment clip (a) and one hook (b) and retain the attachment clip (a) on cowl for reassembly (Fig. 3-4).

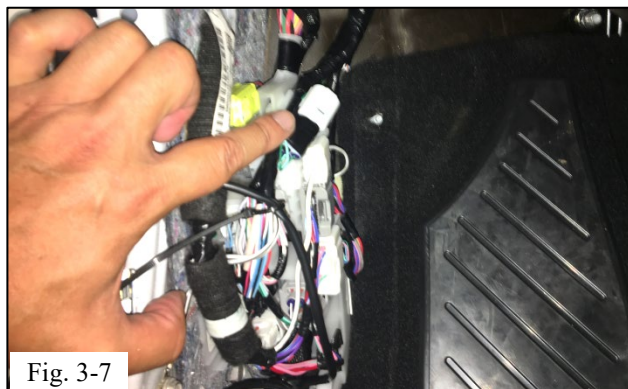




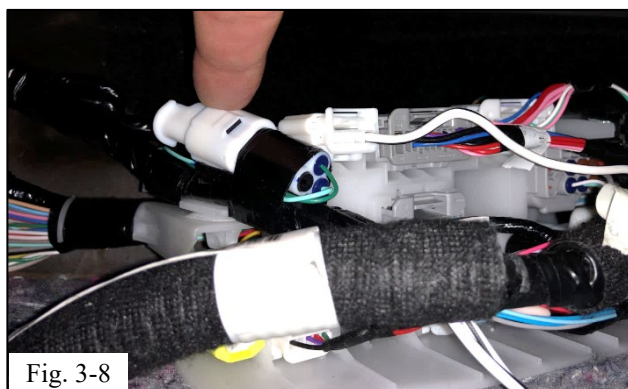
- (f) Remove the one push clip (a) if they remain on the body panel, use a plastic pry tool (Fig. 3-5).



- (g) Reattach the one push clip (a) to the cowl trim if necessary (Fig. 3-6).



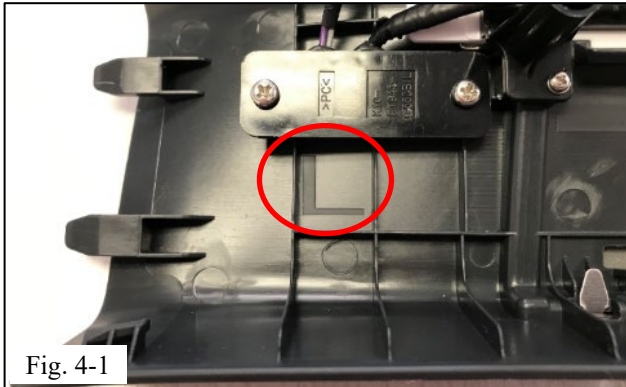
- (h) There will be a connector attached to the side of main harness above junction block (Fig. 3-7).



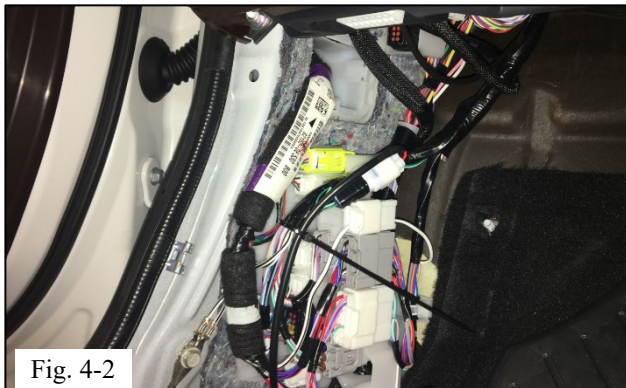
- (h) The connector has a blank terminating end cap, which should be removed. Discard end cap (Fig. 3-8).

4. Install the Front Driver Door Sill.

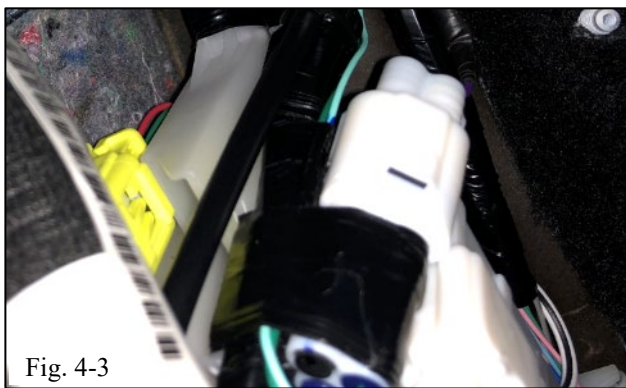
- (a) Identify the left side illuminated door sill by the L marking on the back of the part (Fig. 4-1).

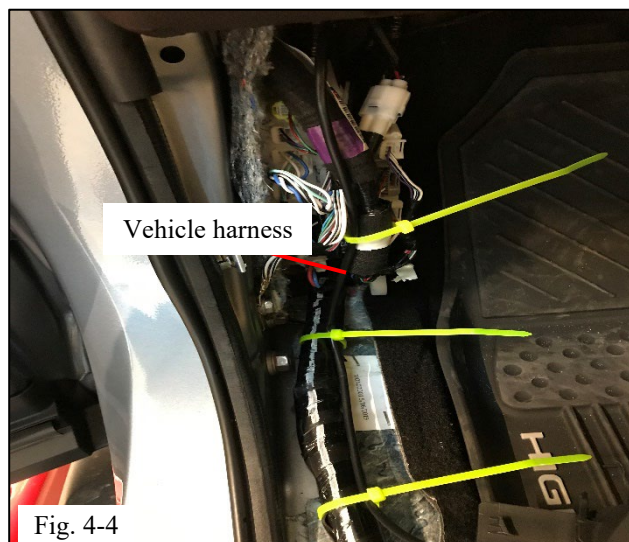


- (b) Connect to the OE connector and the illuminated door sill harness connector as shown (Fig. 4-2).



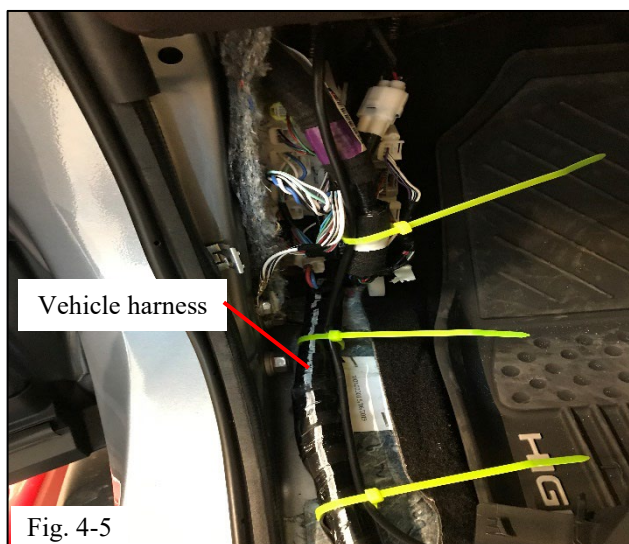
- (c) Engage the connector fully via push-pull-push confirmation (Fig. 4-3).



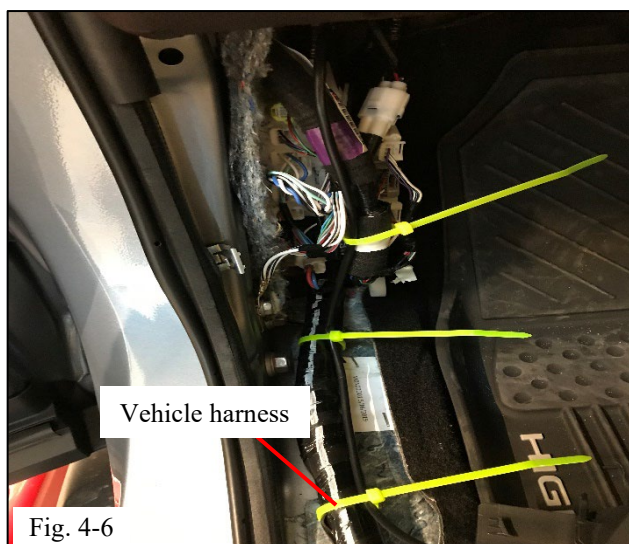


- (d) Route the illuminated door sill harness behind the junction block in the cowl area and use one (1) zip tie to attach the illuminated door sill harness to the vehicle harness (Fig. 4-4).

CAUTION: Take care not to attach to any airbag wiring (yellow connector). Trim zip tie tails flush, with no sharp edges.



- (e) Route the illuminated door sill harness below the junction block in the cowl area and use one (1) zip tie to attach the illuminated door sill harness to the vehicle harness (Fig. 4-5).



- (f) Using one (1) zip tie to attach the illuminated door sill harness to the vehicle harness (Fig. 4-6).
- (g) Install cowl panel.
- (h) Install the illuminated door sill to the vehicle.
- (i) Leave the protective plastic on the Illuminated Door Sill

5. Disassemble the Front Passenger Door Sill.

- (a) Protect the passenger seat with a blanket while removing the vehicle door sill, and installing the front illuminated door sill (Fig. 5-1).



Fig. 5-1



Fig. 5-2

- (b) Remove the front passenger door sill using a plastic pry tool by disengaging the hooks located at the rear and front of the door sill and pulling up on the door sill. Discard the front passenger door sill (Fig. 5-2). A plastic pry tool is optional to be used to remove the front passenger door sill.



Fig. 5-3

- (c) Remove the plastic nut on the cowl and retain for reassembly (Fig. 5-3).

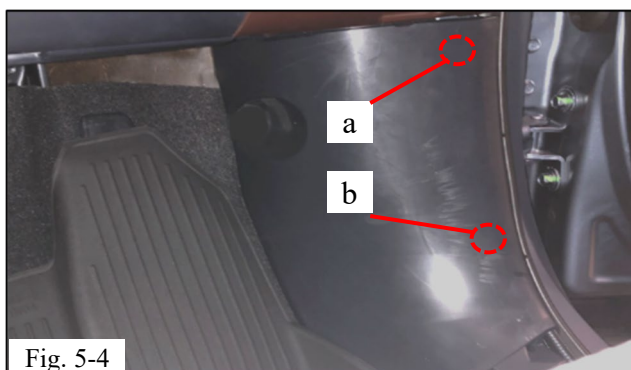
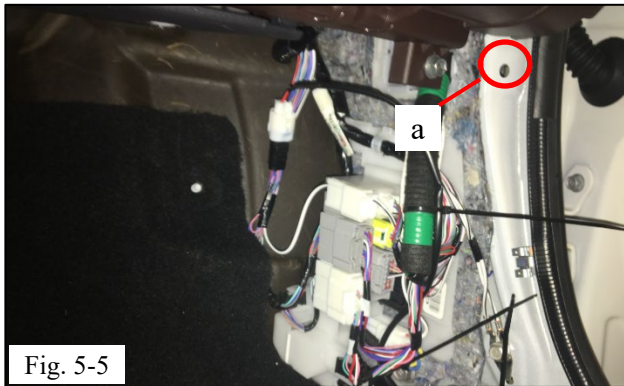
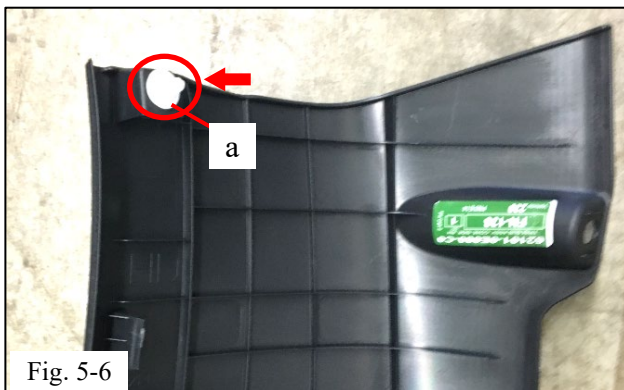


Fig. 5-4

- (d) Remove the cowl by pulling rearward to disengage one attachment clip (a) and one hook (b) (Fig. 5-4).



- (e) Remove push clip (a) if it remains on the body panel using a plastic pry tool (Fig. 5-5).

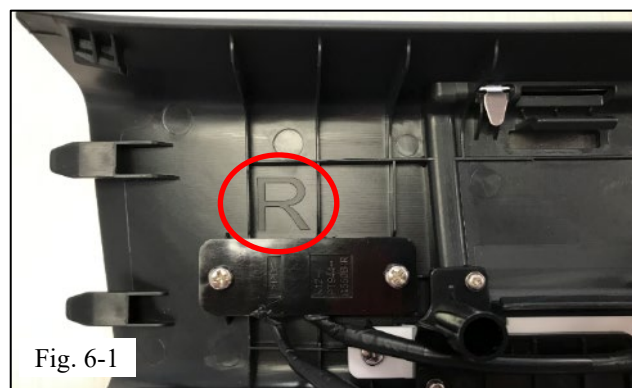


- (f) Reattach push clip (a) to the cowl trim if necessary (Fig. 5-6).

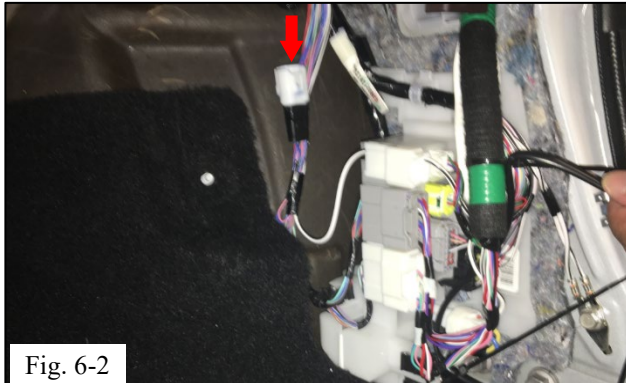


- (g) There is the connector on the side harness located behind the junction block. The connector has a blank terminating end cap, which should be removed. Discard end cap (Fig. 5-7).

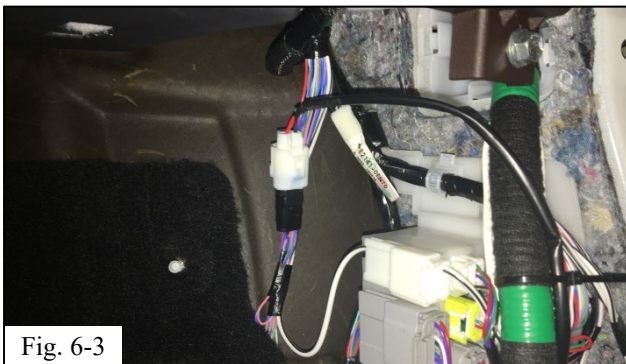
6. Install the Front Passenger Door Sill.



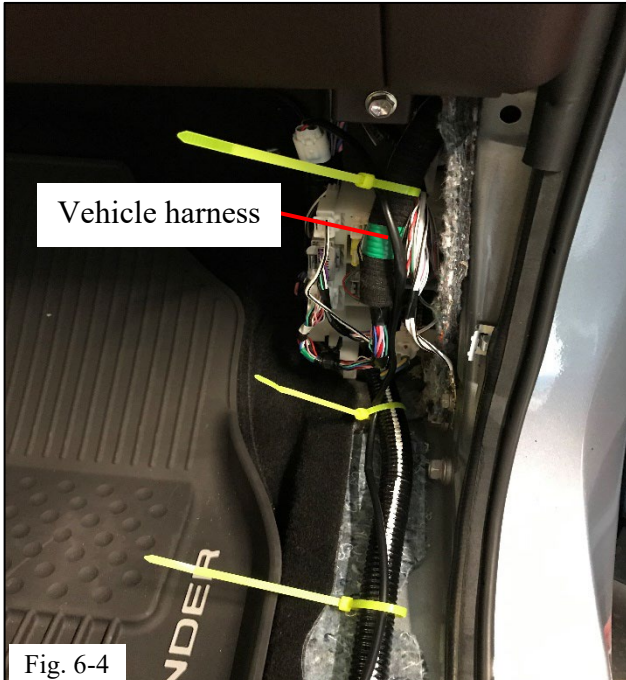
- (a) Identify the right side illuminated door sill by the R marking on the back of the part (Fig. 6-1).



- (b) Locate OE connector as shown in Fig. 6-2 and the illuminated door sill harness connector.

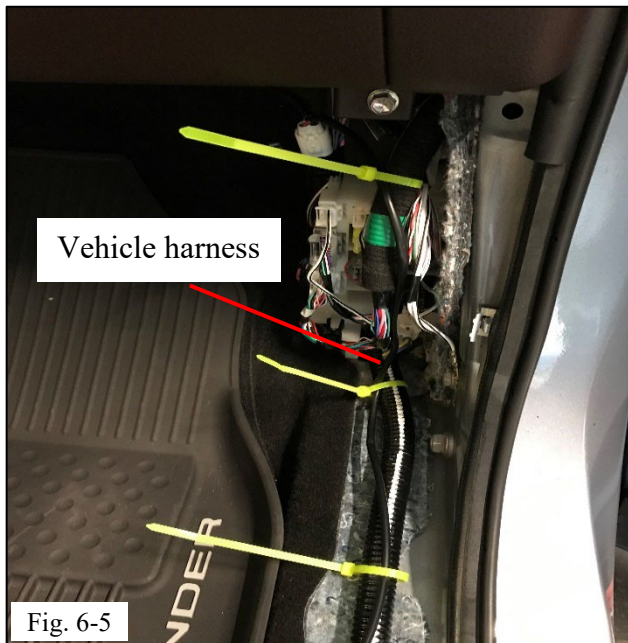


- (c) Engage the connector fully as shown via push-pull-push confirmation (Fig. 6-3).

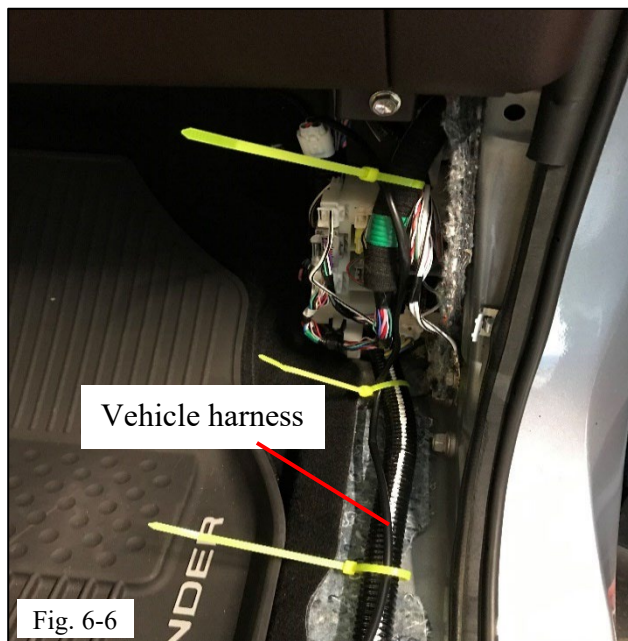


- (d) Route the illuminated door sill harness upper in front of the junction block in the cowl area and use one (1) zip tie to attach the illuminated door sill harness to the vehicle harness (Fig. 6-4).

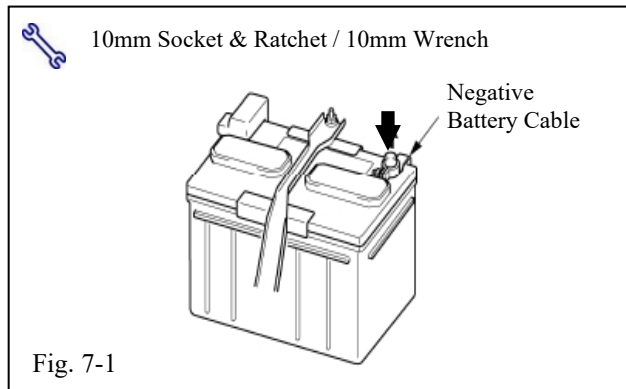
CAUTION: Take care not to attach to any airbag wiring (yellow connector). Trim zip tie tails flush, with no sharp edges.



- (e) Route the illuminated door sill harness in front of the junction block in the cowl area and use one (1) zip tie to attach the illuminated door sill harness to the vehicle harness (Fig. 6-5).



- (f) Route the illuminated door sill harness lower in front of the junction block in the cowl area and use one (1) zip tie to attach the illuminated door sill harness to the vehicle harness (Fig. 6-6).
- (g) Install cowl panel.
- (h) Install the illuminated door sill to the vehicle.
- (i) Leave protective plastic on the illuminated door sill.



7. Reassemble the Vehicle.

- (a) Reassemble the vehicle in the opposite order that it was disassembled.
- (b) Position the negative (-) battery cable at the original factory location (Fig. 7-1).
- (c) Tighten the nut to 48 in-lbf (5.4 N•m).



Torque: 48 in-lbf (5.4 N•m)



CAUTION: Do not touch the positive terminal.

8. Perform a Functional Test.

- (a) Close all doors and trunk.
- (b) Confirm the illuminated door Sills function.
 - (1) Door Open – Both front illuminated door sills will illuminate (Fig. 8-1).



HINT: Door “closed” status may be simulated by manually depressing the switch in the door jamb.

9. Perform the Initialization

- (a) Initialization will be required whenever the battery negative terminal or DC cut fuse has been removed.
- (b) To do an initialization, please refer to the vehicle Repair Manual in TIS in the section titled: “General, Introduction: Repair Instruction: Initialization”.



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

Check:

Look For:

Accessory Function Checks

☐ Illuminated Door Sill

Door Open – Illuminated

Door Closed – Not Illuminated

Vehicle Function Checks

☐ Dome Light


☐ Foot Well Light

☐ Torque Audit

Proper operation of the dome light.

Proper operation of the foot well light.

Perform torque audit on battery (PPO
Installation)

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

Vehicle Appearance Check

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

Ensure no damage (including scuffs and
scratched) was caused during the
Installation process.

(For PPO installations, refer to TMNA
Accessory Quality Shipping Standard.)