

**Part Number: PT413-07190-XX
PT413-07191-XX**

Kit Contents

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

Hardware Bag Contents

Item #	Quantity Req.	Description
1	8	Wire Tie
2	2	Pinch Weld Bridge
3	2	Foam Pad

Additional Items Required For Installation

Item #	Quantity Req.	Description
1		Electrical Tape
2		
3		

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes
Blankets	
Protective Tape	
Special Tools	Notes
Nylon Panel Tool	
Installation Tools	Notes
Diagonal Cutters	
Phillips Screwdriver	
Socket Wrench	
10mm Socket	
Socket Extension	
Special Chemicals	Notes

General Applicability

MY19 and newer Avalon/HV vehicles

Recommended Sequence of Application

Item #	Accessory
1	
2	
3	

*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.

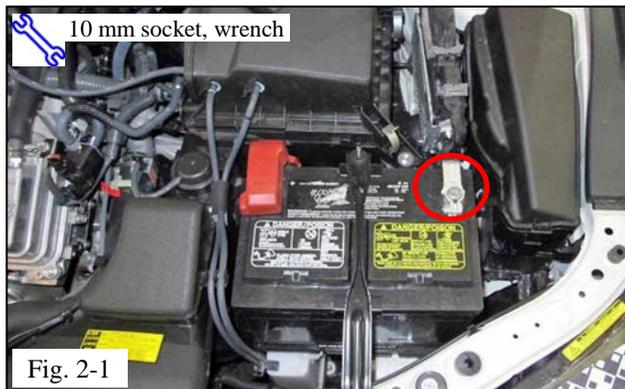
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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 Toyota dealer for a copy of this document.



1. Check the Kit Contents.

- (a) Check the kit for content and damage.

2. Prepare the Vehicle.

- (a) Remove the negative battery cable (Fig. 2-1).

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

- !** (b) Disconnect the battery.

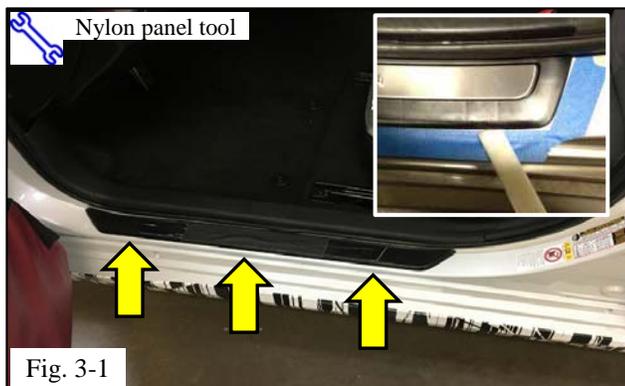
- (1) **IMPORTANT** – Vehicle must be turned to the “OFF” position before performing this step.

- (2) Remove the negative lead. Place the battery lead so it does not come into contact with the battery terminal.

3. Remove the Door Sills.

! **NOTE:** All steps are performed on both the driver and passenger side of the vehicle. The driver side is shown in the following images.

- (a) Place protective tape around the sills (Fig. 3-1).





- (b) Remove the front and rear factory door sills and discard (Fig. 3-2).
- (1) Use a nylon panel tool to loosen the door sill.
- (2) Make sure the sill plate is raised evenly and gently pull away from the sill.



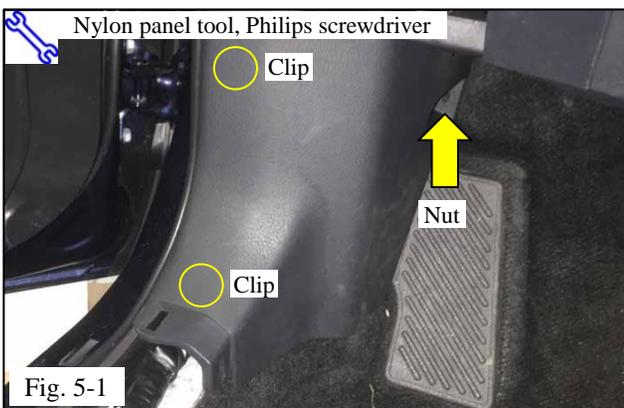
4. Remove the Front Door Sill Panels.

- (a) Grasp the door sill panel, lightly push down and pull toward the inside of the vehicle to disengage the clips (Fig. 4-1).

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

5. Remove the Kick Panels.

- (a) Remove the kick panels.
- (b) Remove the plastic nut by hand, if needed use a Philips screwdriver.
 - (1) Use a panel safe tool to remove panel.
 - (2) If clips detach from the panel, use the clip extractor tool to remove clips from the vehicle, inspect for damage, and re-attach to the panel (Fig. 5-1).



6. Install the New Rear Door Sills.

NOTE: Front clip must be installed first to prevent damage to the door sill clips.

- (a) Align the front clip of the door sill to the body side engagement point (Fig. 6-1).
- (b) Insert the front clip first.
- (c) Firmly press the door sill into place and ensure both clips engage.



7. Install the New Front Illuminated Door Sills.

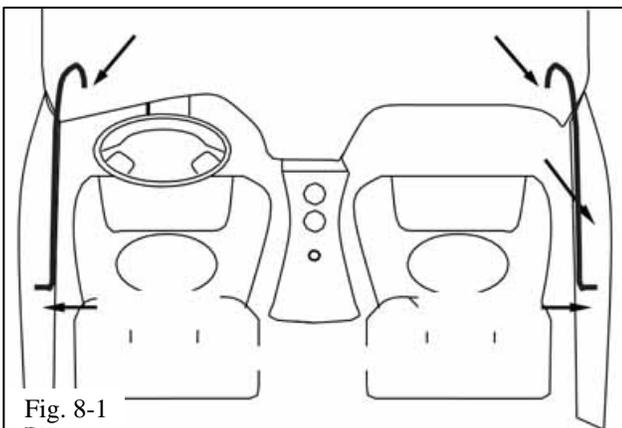
NOTE: Middle clip must be installed first to prevent damage to the door sill clips.

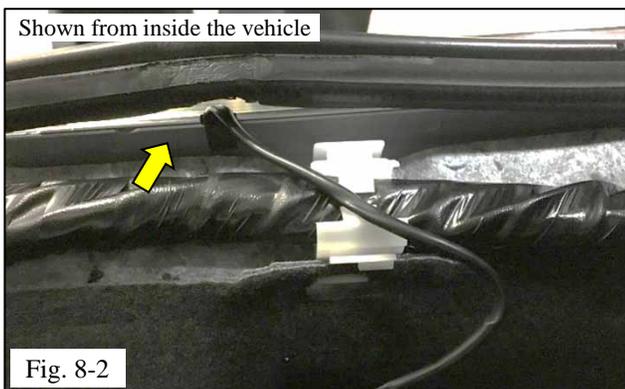
- (a) Align the middle clip of the door sill to the body side engagement point (Fig. 7-1).
- (b) Insert the middle clip first.
- (c) Firmly press the door sill into place and ensure all three clips engage.



8. Route the Harness.

- (a) Review the harness routing (Fig. 8-1).
- (b) Route the harness over the pinch weld.

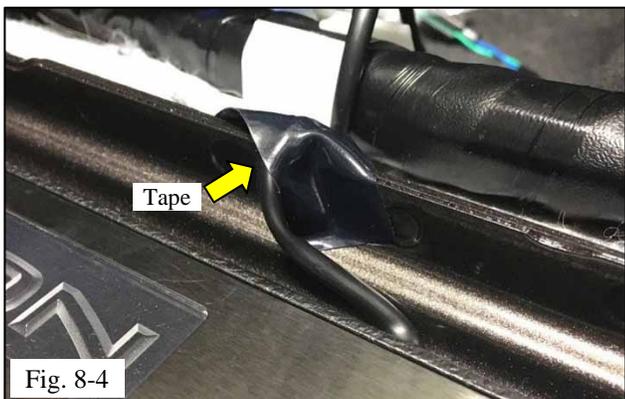




- (c) Lift the weather seal from pinch weld (Fig. 8-2).



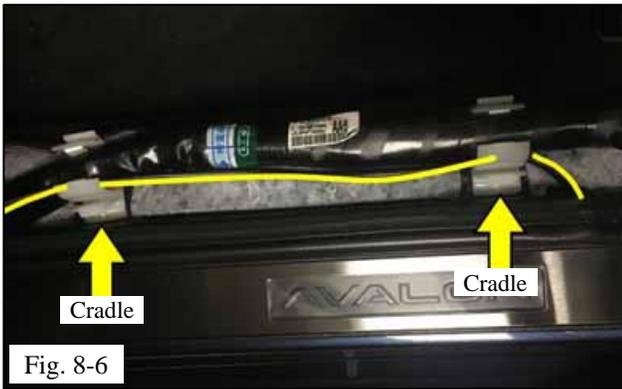
- (d) Install the pinch weld bridge (Fig. 8-3).
- (e) Route the harness over the pinch weld bridge.



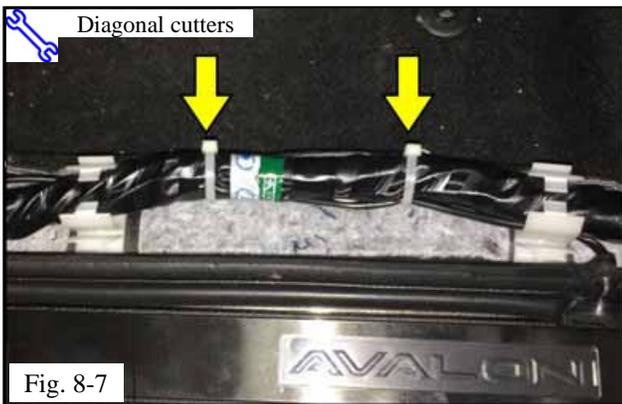
- (f) Secure the harness with electrical tape (Fig. 8-4).



- (g) Route harness as indicated by dashed line (Fig. 8-5).
- (h) Reinstall the weather seal.
- (i) Make sure soft portion fits over clip assembly.



(j) Route the lighting harness in cradles underneath to the inboard side of the bundle as indicated (Fig. 8-6).



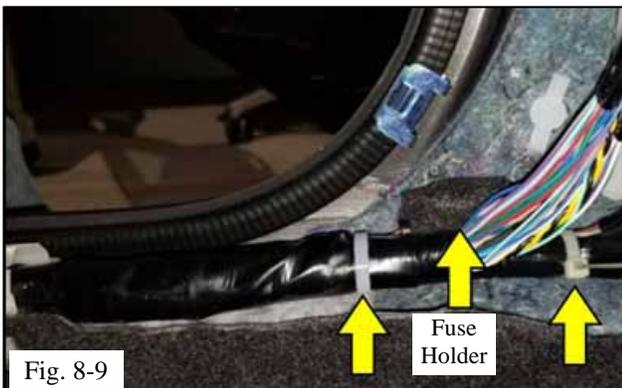
(k) Attach two (2) wire ties in the area indicated by arrows (Fig. 8-7).

- (1) Trim the excess wire tie.
- (2) Rotate the trimmed side of the wire tie inboard.



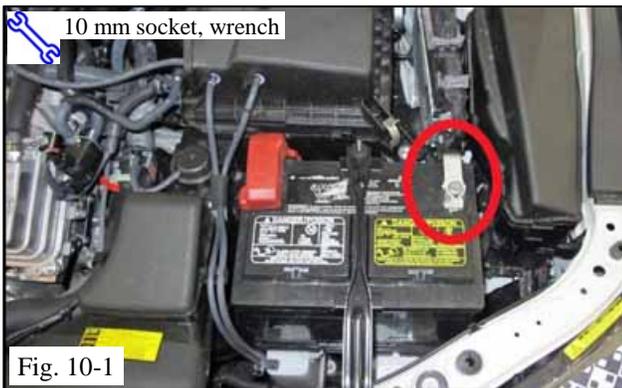
- (1) Wrap the fuse holder with one (1) foam pad (Fig. 8-8).

(m) Continue routing the harness towards the front of the vehicle. The line indicates where the lighting harness goes behind vehicle harness.



(n) Locate the fuse holder.

- (1) Secure fuse holder with two (2) wire ties indicated by arrows (Fig. 8-9).
- (2) Trim the excess wire tie.
- (3) Rotate the trimmed side of the wire tie inboard.



9. Connect the Harness.

- (a) Locate the connector on the side kick panel connection block (Fig. 9-1).
- (b) Plug the lighting harness into the connector.

- (c) The dashed line indicates where the lighting harness goes behind vehicle harness (Fig. 9-2).

10. Test the Connections.

-  (a) Temporarily reconnect the battery (Fig. 10-1).
- (b) Position the negative battery cable at the original factory location.

- (c) Verify both door sills are turning on and off by pressing the passenger and driver side door switch (Fig. 10-2).

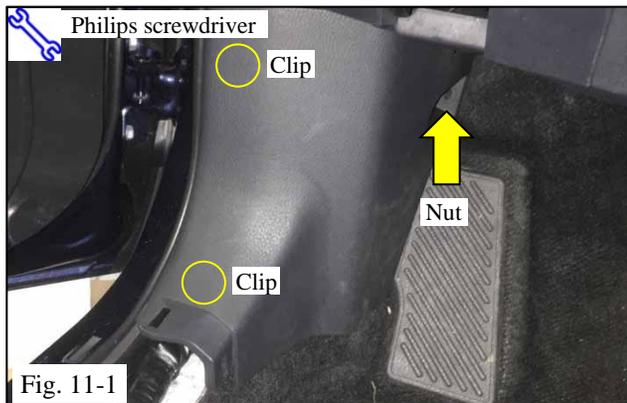
- (d) Disconnect negative lead.

 **CAUTION:** Do not touch the positive terminal.

11. Reinstall the Vehicle Panels

(a) Reinstall the kick panels (Fig. 11-1).

- (1) Verify the kick panels are fully seated.
- (2) Install a plastic nut in location indicated by the arrow.

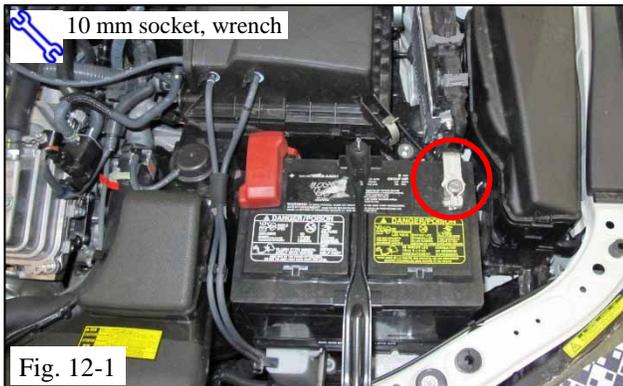


(b) Reinstall the side sill trim (Fig. 11-2).



(c) Make sure the clips on either end of the sill trim engage properly (Fig. 11-3).





12. Complete the Installation

-  (a) Reconnect the battery (Fig. 12-1).
 - (b) Position the negative battery cable at the original factory location.
 - (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.
- (d) Remove the protective covering (blue tape) from all four door sills.

TOYOTA AVALON/HV 2019 - ILLUMINATED DOOR SILLS
 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 passenger side door</p> <p><input type="checkbox"/> Open driver side door</p> <p><input type="checkbox"/></p>	<p>Passenger side sill will illuminate</p> <p>Drive side sill will illuminate</p>
<p><u>Vehicle Function Checks</u></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	
<p><u>Vehicle Appearance Check</u></p> <p><input type="checkbox"/> Verify fit of sill plates</p> <p><input type="checkbox"/> Verify fit of access panels</p> <p><input type="checkbox"/> Verify fit of side sill trim</p> <p><input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection.</p>	<p>Ensure no damage (including scuffs and scratches) was caused during the installation process. (For PPO installations, refer to TMS Accessory Quality Shipping Standard.)</p>