

Preparation

Part Number: PT938-48240

Kit Contents

Item #	Quantity Req.	Description
1	1	Running Board Assembly LH
2	1	Running Board Assembly RH
3	1	Hardware Kit

Hardware Bag Contents

Item #	Quantity Req.	Description
1	16	M8 x 1.25 Bolt with Washer

Additional Items Required For Installation

Item #	Quantity Req.	Description

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Cut Resistant Gloves	
Special Tools	Notes
Installation Tools	Notes
Torque Wrench	3/8 Drive, 10-50 Nm Range
Driver/Ratchet	12 mm Socket
	6" Extension
	10 mm Socket
Panel Removal Tool	
Small Flat Head Screwdriver	
Scissors	
Special Chemicals	Notes

General Applicability

MY24 and newer Highlander, and Highlander HV

Recommended Sequence of Application


Item #	Accessory


*Mandatory


Vehicle Service Parts (may be required for reassembly)


Item #	Quantity Req.	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.

 **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.

Procedure

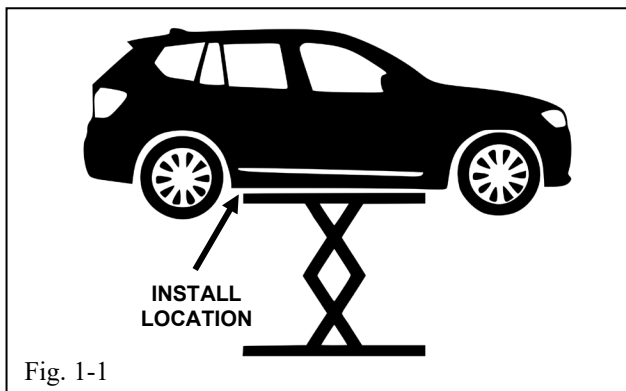
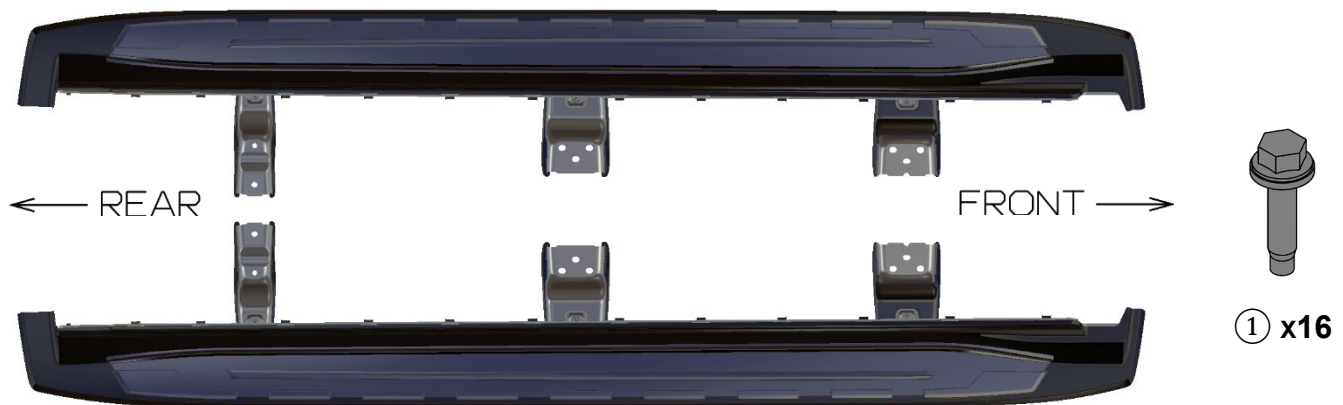
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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.

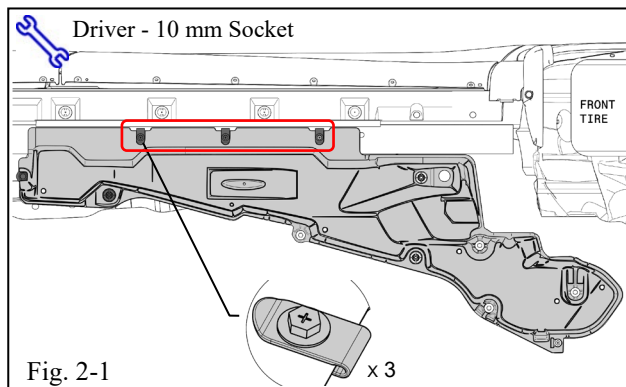


1. Prepare the vehicle.



- Ensure the vehicle is clean prior to the running board installation.
- Lift the vehicle, making sure to leave room for running board installation (Fig. 1-1).

2. Trim RH Undercover



- Using a 10mm socket remove the three (3) screws fastening the undercover to the vehicle rocker (Fig. 2-1).
- NOTE:** Be cautious of the heat shield (sharp edges) located on the vehicle RH.
- NOTE:** Retain the screws for re-installation.

Procedure

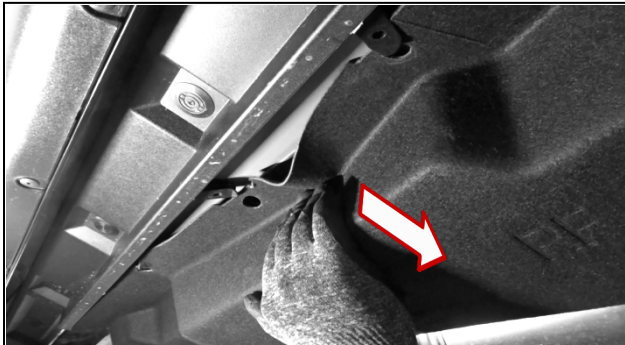


Fig. 2-2

- (a) Push the undercover towards the vehicle to slide it out from under each of the three (3) clips to release it (Fig. 2-2).



NOTE: Do not remove the clips, they should remain attached to the vehicle

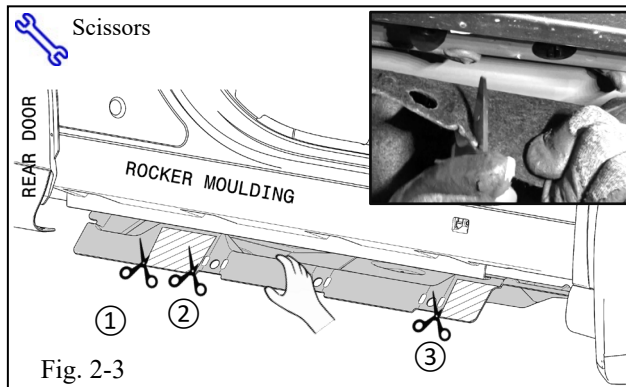


Fig. 2-3

- (b) Pull down the undercover exposing the trimming guidelines molded into the surface at each bracket location (Fig. 2-3).



- (c) Using scissors, carefully cut along the vertical guidelines at each bracket location. There are three (3) in total, only cut along the vertical direction (Fig 2-3).

- (d) Bend each of the trimmed flap pieces at the base, folding/tucking them behind and underneath the undercover (Fig 2-4).



Fig. 2-4

- (e) Slide and position the undercover back into the three (3) clips making sure to align the holes on the cover with the clips. Re-install the three (3) screws removed in 2(a) step (i) (Fig 2-5).



NOTE: Ensure the trimmed flaps remain folded underneath the undercover while repositioning.

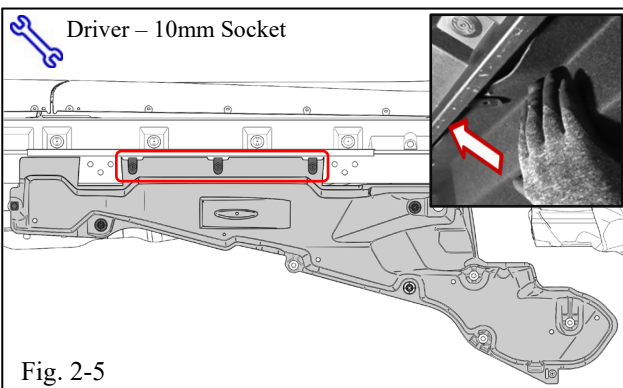
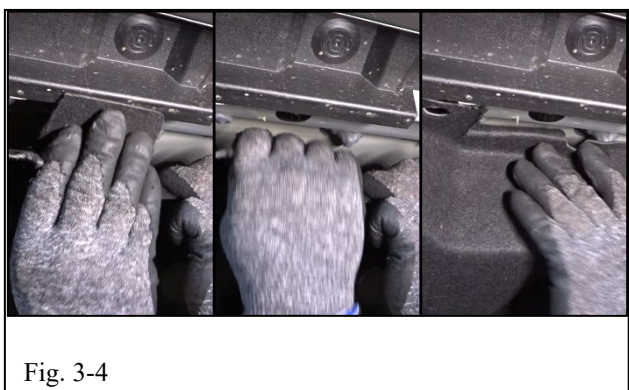
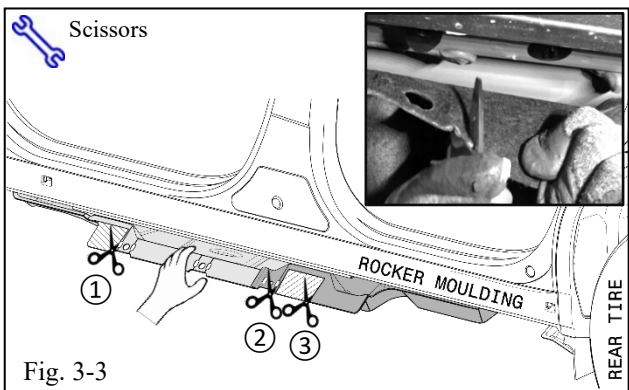
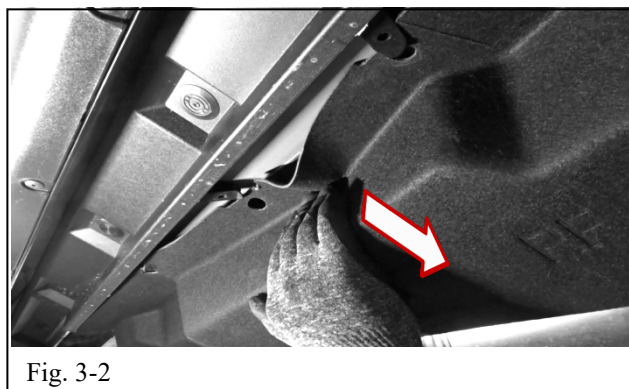
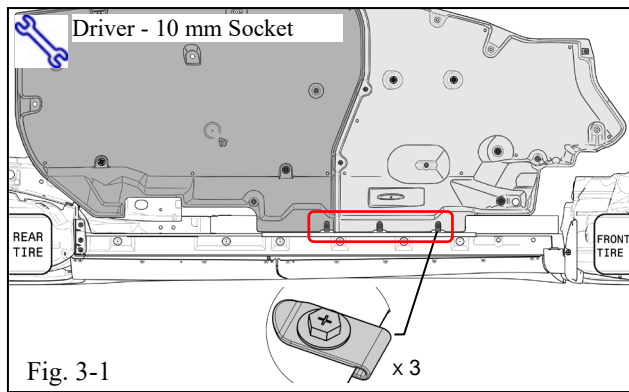


Fig. 2-5



3. Trim LH Undercover

- a) Using a 10mm socket remove the three (3) screws fastening the undercover to the vehicle rocker (Fig. 3-1).



NOTE: Retain the screws for re-installation.

- b) Push the undercover towards the vehicle to slide it out from under each of the three (3) clips to release it (Fig 3-2).



NOTE: Do not remove the clips, they should remain attached to the vehicle.

- c) Partially prop both undercovers outward exposing trimming guidelines molded into each surface for each bracket location (Fig. 3-3).



- d) Using scissors, carefully cut along the vertical guidelines at each bracket location. There are (3) in total, only cut along the vertical direction (Fig. 3-3).

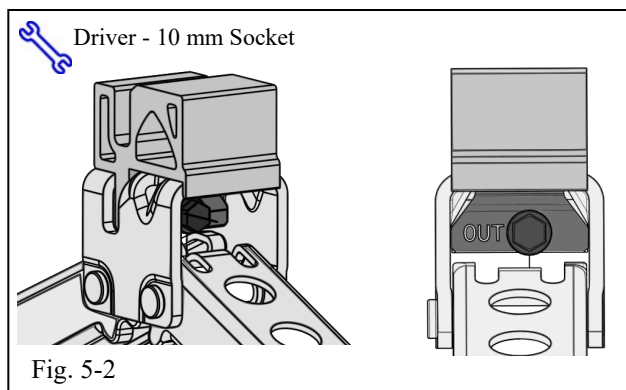
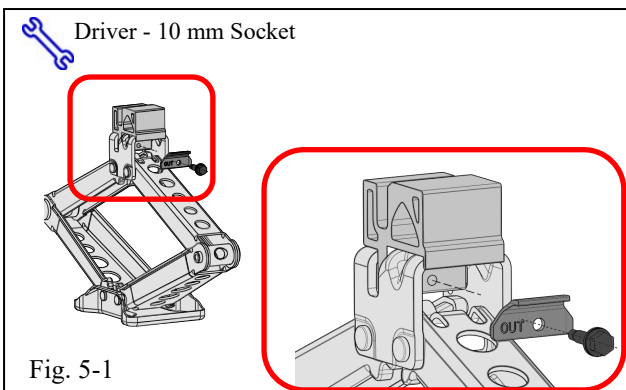
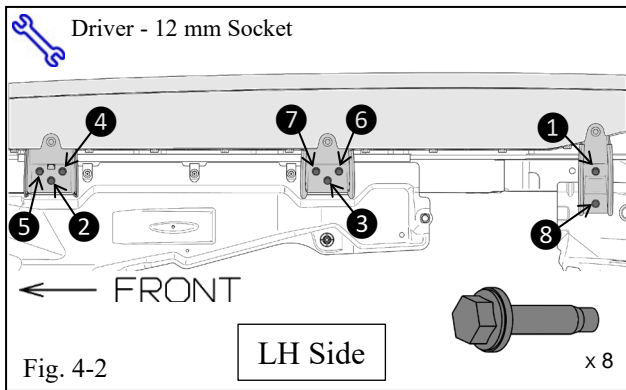
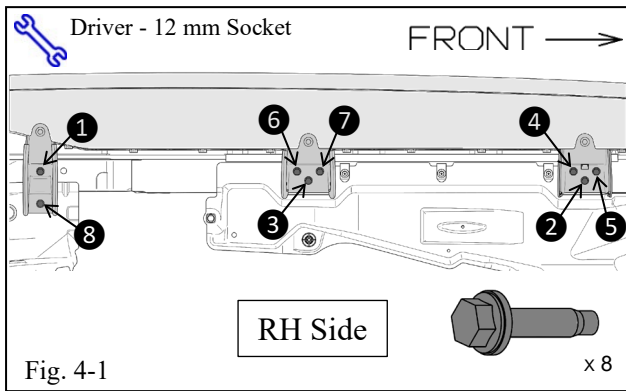
- e) Bend each of the trimmed flap pieces at the base, folding/tucking them behind and underneath the undercover (Fig. 3-4).

- f) Slide and position the undercover back into the three (3) clips making sure to align the holes on the cover with the clips. Re-install the three (3) screws removed in 3(a) (Fig. 3-1).



NOTE: Ensure the trimmed flaps remain folded underneath the undercover while repositioning.

Procedure



4. Running Board Installation

- (a) If there are plugs present in any of the installation bolt holes remove them with the clip pry bar now.
- (b) While holding the running board, press the brackets flush against the vehicle and hand start a M8 bolt at locations ①, ② and ③ (Fig 4-1, 4-2).
- (c) Insert and hand tighten the remaining five (5) M8 bolts in the prescribed order from ④ through ⑧ (Fig 4-1, 4-2).
- (d) Tighten and torque the bolts in the same sequence. Torque value: **30 Nm [22.1ft-lbs]**.

5. Jack Block Spacer Install

NOTE: Jack block spacer must be installed on jack with the installation of the running board. Failing to do so can cause serious injury or death and can damage the running boards.

- (a) Place jack block spacer on jack (Fig 5-1).
- (b) Install one (1) M6 bolt and bracket securing the jack block spacer to jack. Ensure the word “OUT” is seen and bracket flange contacting the inner surface of jack (Fig 5-1, 5-2).
- (c) Tighten and torque the bolt. Torque value: **7 Nm [5.2ft-lbs]**.

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

<u>Check:</u>	<u>Look For:</u>
<p><u>Function Checks</u></p> <p><input type="checkbox"/> Verify that Jack Block Care card is placed in Glovebox.</p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	<p><input type="checkbox"/> Removed items have been discarded & replaced items are in place.</p>
<p><u>Vehicle Function Checks</u></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	
<p><u>Vehicle Appearance Check</u></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 TMNA Accessory Quality Shipping Standard.)</p>