

Part Number: PT228-89190 (RH), PT228-89191 (LH)

Kit Contents (PT228-89190)

Item #	Quantity Req'd.	Description
1	1	Rock Rail Assembly RH
2		

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	5	M8 hex flange bolt (RH)
2		

Kit Contents (PT228-89191)

Item #	Quantity Req'd.	Description
1	1	Rock Rail Assembly LH
2		

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	5	M8 hex flange bolt (LH)
2		

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		
2		
3		

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Special Tools	Notes
None	
Installation Tools	Notes
3/8" Ratchet	
12mm socket	
Torque wrench	0-50 lbf-ft
Special Chemicals	Notes

General Applicability

MY19 and newer 4Runner models

Recommended Sequence of Application

Item #	Accessory
1	
2	
3	

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	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

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.).

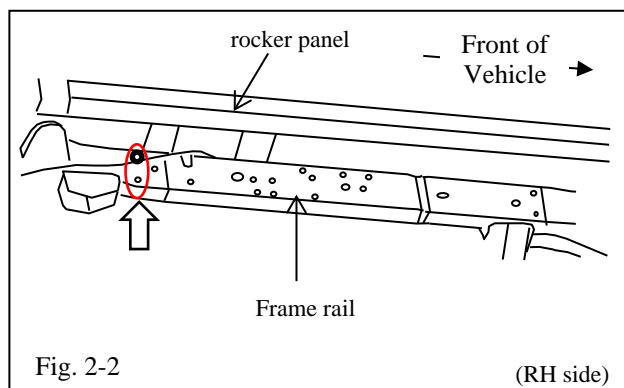
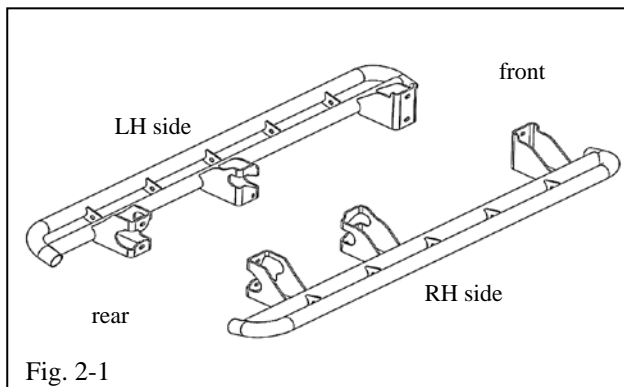
Please see your Toyota dealer for a copy of this document.

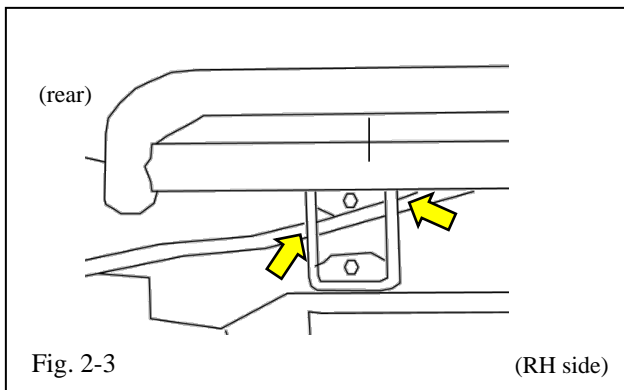
1. Prepare the Vehicle.

-  (a) Parts are heavy. Two (2) people are required for lifting and installation.
-  (b) Read the entire instruction sheet before beginning the installation.

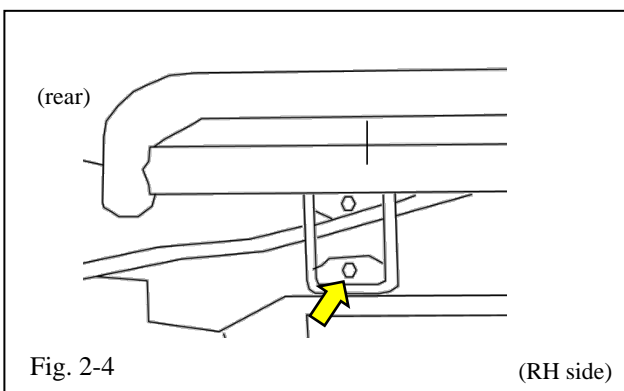
2. Install the RH Rock Rail

-  (a) Instructions for RH rock rail shown. Mirror steps for LH side part (Fig. 2-1).
- (b) Remove RH part from packaging and inspect for damage.
- (c) Locate (2) weld nuts at the rear of the frame (Fig. 2-2).

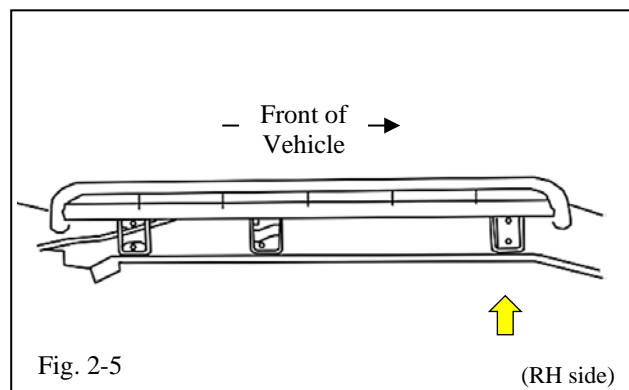




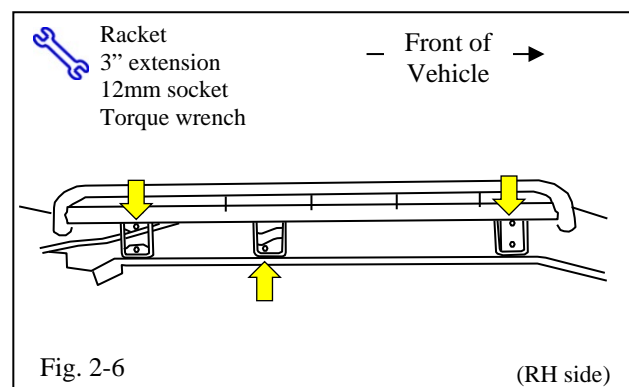
- !** (d) Position the rear bracket to the frame with caution not to interfere with the cable located at the rear of the frame (Fig. 2-3).



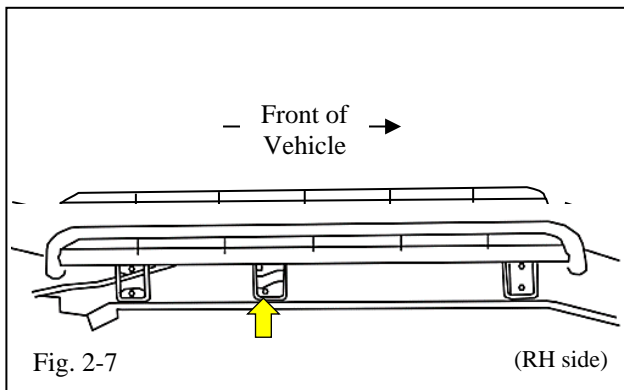
- (e) Hand tighten the lower bolt of the rear bracket (Fig. 2-4).



- (f) Raise the front portion of the rock rail to align with the rest of the frame nuts.
- (g) Hand tighten the lower bolt of the front bracket (Fig. 2-5).

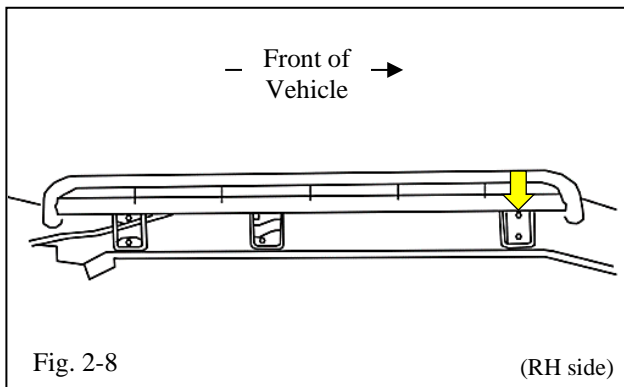


- (h) Hand tighten bolts into the remaining (3) bracket locations (Fig. 2-6).



- (i) Torque the bolt on middle bracket to 23 N·m (17 lbf-ft) (Fig. 2-7).

Torque: 23 Nm. (17 lbf-ft)



- (j) Torque the top bolt on front bracket to 23 N·m (17 lbf-ft) (Fig. 2-8).

Torque: 23 Nm. (17 lbf-ft)

- (k) Torque all remaining fasteners to 23 N·m (17 lbf-ft).

Torque: 23 Nm. (17 lbf-ft)

- (l) Re-torque all fasteners following steps i, j and k to 23 N·m (17 lbf-ft).

Torque: 23 Nm. (17 lbf-ft)

3. Install the LH Rock Rail.

- (a) Repeat Step 2 for the left-hand rock rail installation.

TOYOTA 4RUNNER 2019 - ROCK RAIL

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

Check:	Look For:
<u>Accessory Function Checks</u> <input type="checkbox"/> Visual Alignment <input type="checkbox"/> Inspection Torque	 <input type="checkbox"/> Ensure rock rail is level and parallel to vehicle rocker panel. <input type="checkbox"/> Ensure rock rail mounting bolts are torqued to 23N·m (17lbf-ft).
<u>Vehicle Function Checks</u> <input type="checkbox"/> <input type="checkbox"/>	
<u>Vehicle Appearance Check</u> <input type="checkbox"/> 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 TMNA Accessory Quality Shipping Standard.)