

Part Number: PT278-08102
PT278-08160**Kit Contents**

Item #	Quantity Req'd.	Description
1	2	Cross Bar Assembly
2	1	Instructions
3		

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1		
2		
3		

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		
2		
3		

Conflicts

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Recommended Tools

Personal & Vehicle Protection	Notes
Protective Cloth	
Special Tools	Notes
Installation Tools	Notes
Special Chemicals	Notes
Cleaner	VDC approved cleaner

General Applicability

Vehicles with factory roof rack base rails
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Recommended Sequence of Application

Item #	Accessory
1	
2	
3	

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.

*Mandatory

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.



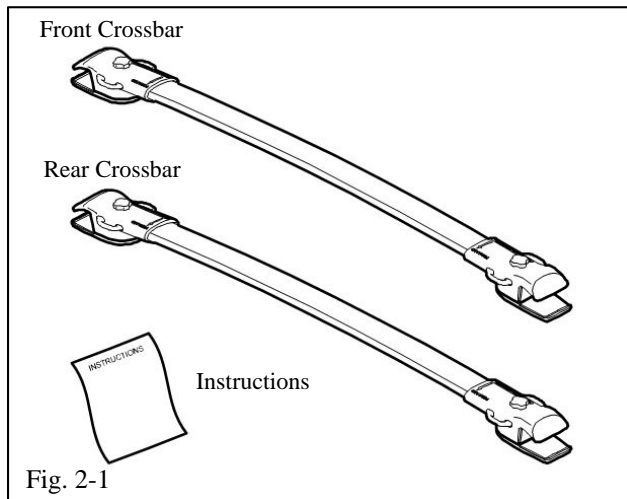
(a) Clean work area before installing crossbars.

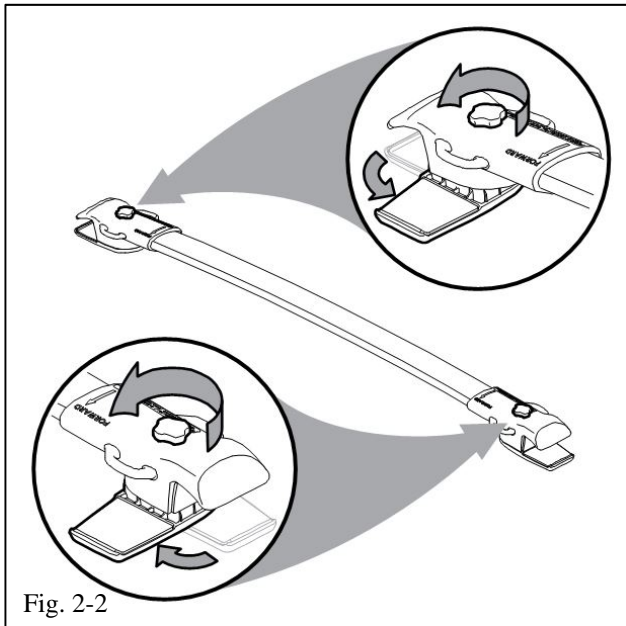
(1) Saturate a clean lint-free cloth with VDC approved cleaner and clean the work surface of the vehicle. Follow the solvent manufacturer's directions carefully. Do not allow cleaner to air dry.

(2) Wipe the clean surface with a clean, dry, lint-free cloth.


2. Install the Crossbars.

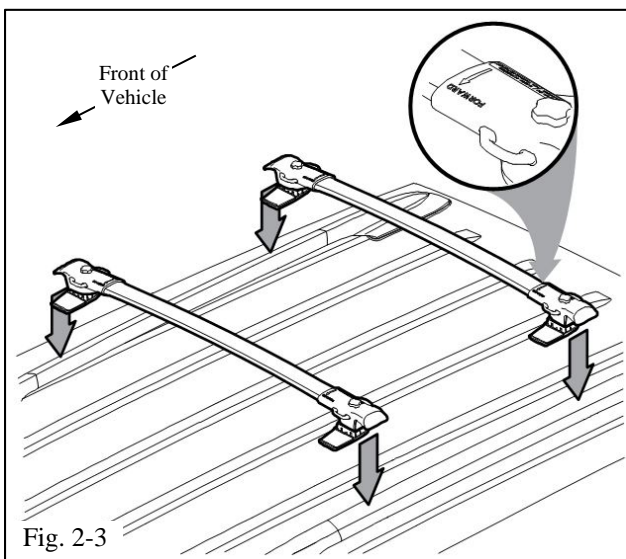
(a) Remove the crossbars and instructions from the packaging (Fig. 2-1).





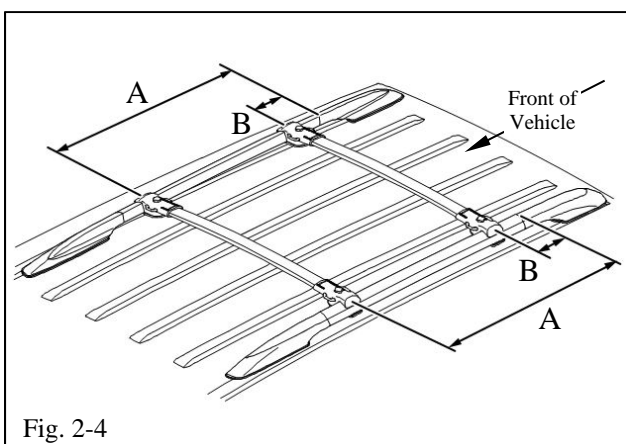
(b) Loosen the clamps by turning the knobs counterclockwise (Fig. 2-2).


 (c) Rotate the lower clamp 90°, so that the crossbars can be lowered between the roof rails (Fig.2-2).



(d) Lower the crossbars between the roof rails (Fig. 2-3).

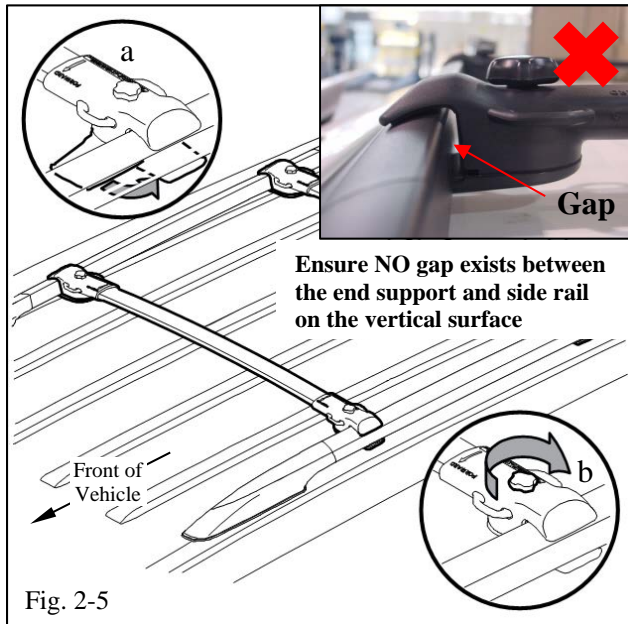
NOTE: The front and rear crossbars are interchangeable. Place the FORWARD arrow on the clamp facing towards the front of vehicle.



 (e) Position the front and rear crossbars so that they are parallel (Fig. 2-4).

(1) A = 820mm (32-1/4 in) from the end of the rail (Fig. 2-4).

(2) B = 120mm (4-3/4in) from the end of the rail (Fig. 2-4).



- (f) Once in position, rotate the lower clamps under the side rails (Fig. 2-5a).

NOTE: Ensure no gap exists between the end support and the side rail on the vertical surface, both left and right side.

- (g) Tighten the clamps by turning the knobs clockwise as much as possible until they are secure (Fig. 2-5b).

- (h) Place the installation instructions in the glove compartment.

NOTE: To avoid injury or damage, periodically verify that the crossbars are secure and observe load limits as printed on the crossbars.

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

<u>Check:</u>	<u>Look For:</u>
<u>Accessory Function Checks</u> <input type="checkbox"/> Crossbars are secure <input type="checkbox"/> End support gap <input type="checkbox"/> Installation instructions <input type="checkbox"/>	 Securely tightened knobs No gap between the end support and side rail on the vertical surface Installation instructions are in the glove compartment
<u>Vehicle Function Checks</u> <input type="checkbox"/> <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 TMS Accessory Quality Shipping Standard.)