

Part Number: PT278-12090

NOTE: Part number of this accessory may not be the same as the part number shown.

Kit Contents

Item #	Quantity Req'd.	Description
1	2	Roof Rails
2	2	Cross Bars
3	1	Hardware Bag
4		
5		
6		

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	1	Instructions
2	8	Mounting Bolts
3	4	Seals
4	4	Bolt Cap Covers
5	1	Torque Tool

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		
2		
3		

Conflicts

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Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Vehicle Protection	
Special Tools	Notes
Installation Tools	Notes
Ratchet	
Torque Wench	0 - 50 N-m
10 mm, 12mm sockets	
3" extension	
Nylon Panel Removal Tool	e.i.: Panel Pry Tool #1 Toyota SST#00002-06001-01
Special Chemicals	Notes
	3M™ Prep Solvent 70

General Applicability

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Recommended Sequence of Application

Item #	Accessory
1	

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	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.

Section II - Installation Procedure

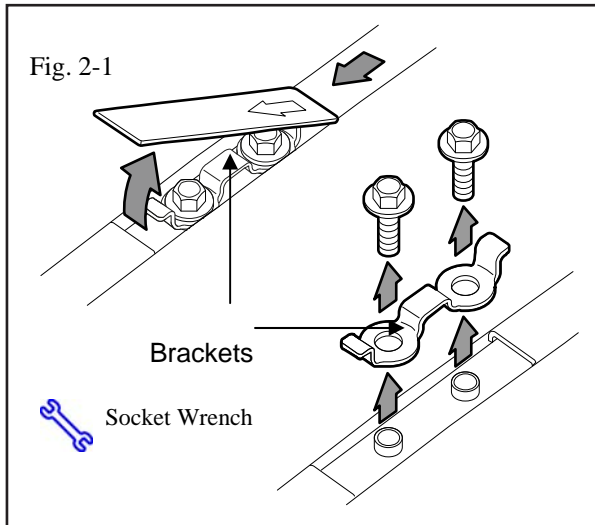
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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. Vehicle Preparation

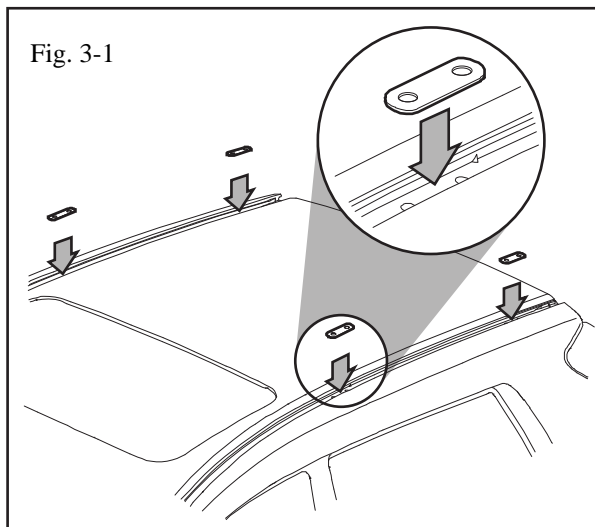


- (a) Before working on the vehicle, clean work area removing all dirt and dust.

- (1) Saturate a clean lint-free cloth with 3M Prep Solvent-70 and clean the work surface of the vehicle.

- (a) 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.

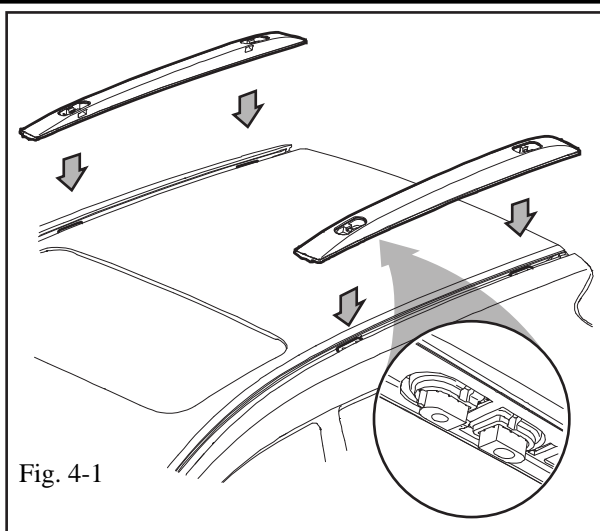


2. Remove access covers, brackets and bolts from roof ditch.

- (a) Press arrow in the direction indicated, while lifting up on opposite end to remove the 4 access covers. (Fig. 2-1)
- (b) Remove 8 bolts using 10 mm socket. (4 each side) (Fig. 2-1)
- (c) Remove 4 brackets along with the gaskets. If needed, use nylon pry tool. (Fig. 2-1)

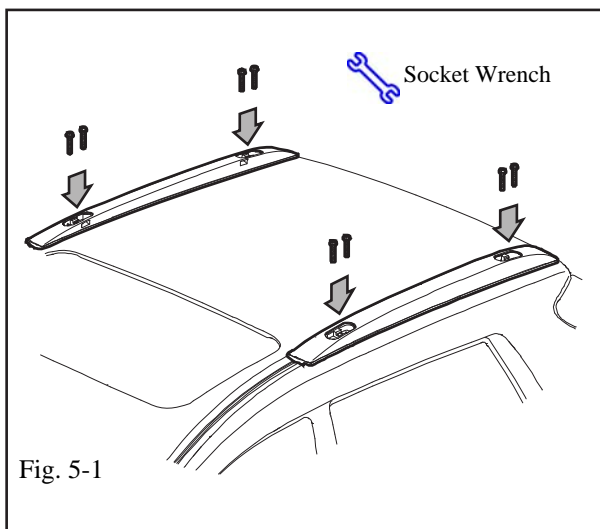
3. Install Seals

- (a) Install the four seals over the rail mounting holes by removing the adhesive liner from the seal and sticking them in place. (Fig. 3-1)



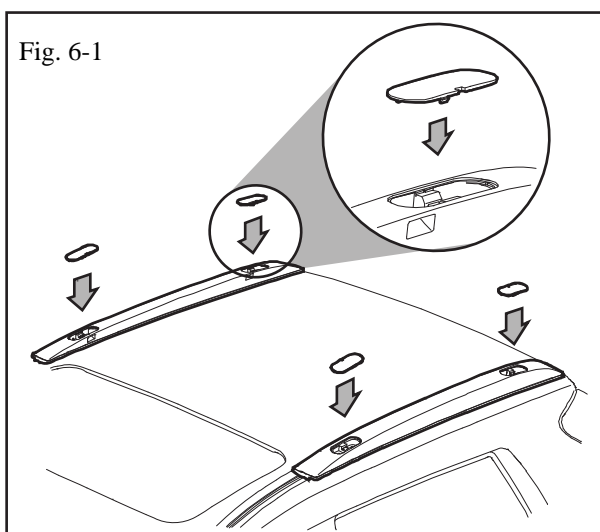
4. Install Rail to Roof

- (a) Align mounting bosses (on the bottom of rail) over the round plastic inserts (on top of the seals in the roof ditch). (Fig. 4-1)




5. Secure Rails to Roof

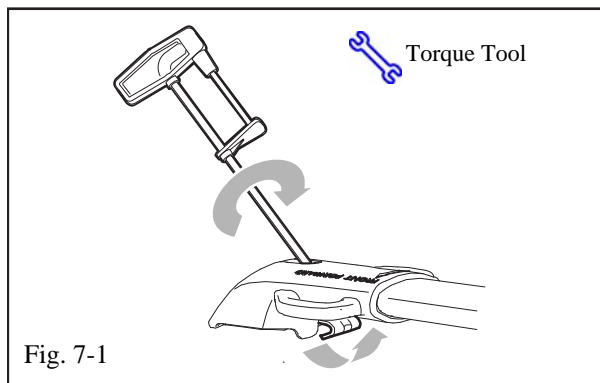
- (a) Starting with the forward attachment then working your way to the rear attachment – Install the 8 bolts as shown in Fig. 5-1
- (b) Using the 12 mm socket and torque wrench, torque bolts to 32.0 N.m .




6. Install Covers

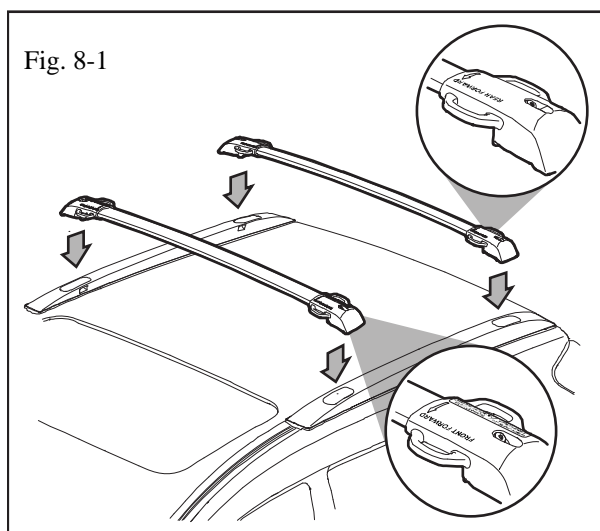
-  (a) Snap in bolt cap covers (4 places). (Fig. 6-1)

NOTE: The bolt cap covers are interchangeable. Install cover with the notch towards the inside of the rail.




7. Loosen Cross Bar Clamps

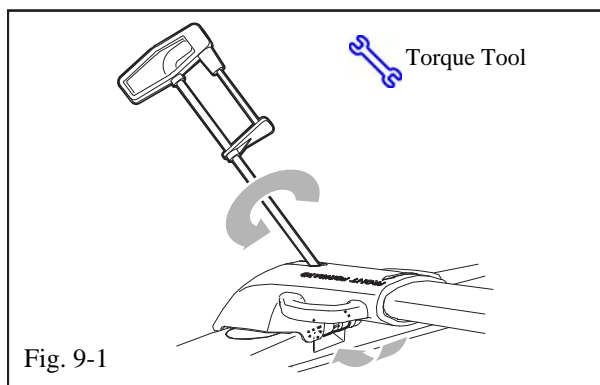
-  (a) Using the supplied Torque Tool, turn captured bolt counter clockwise until all 4 clamps are in open position. (Fig. 7-1)




8. Install Cross Bars

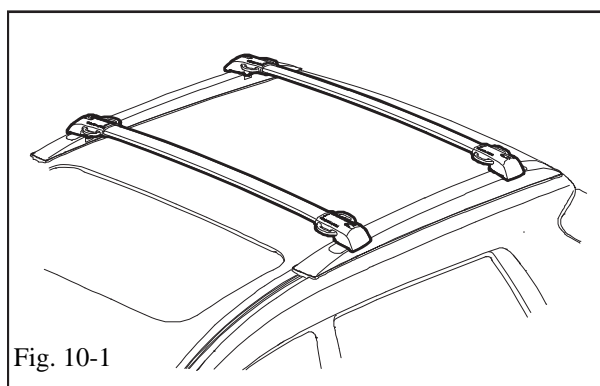
-  (a) Position cross bar assemblies to the base rail where the clamp aligns with the pocket. (Fig. 8-1)

NOTE: Each cross bar is clearly marked either “front” or “rear” and has an arrow indicating “forward” vehicle orientation. (Fig. 8-1)




9. Secure Cross Bars

-  (a) Using the Torque Tool, turn captured bolt clockwise until clamp swings into the base rail pocket. Torque to 9.0 N.m. (Fig. 9-1) (4 Places)



10. Complete Installation (Fig. 10-1)

-  (a) Verify that cross bars and roof rails are secure. (Fig 10-1)
- (b) Place the Torque Tool in glove box along with a copy of the installation instructions.

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

Check:

Look For:

Accessory Function Checks

- ☐ Cross bars should be securely locked into rails for shipment.
- ☐ Gap between roof rack side rail pads and vehicle roof surface.
- ☐ Confirm bolt cap covers are securely in place

Ensure cross bars are secured.

Not greater than 1.5 mm.

Bolt cap covers are securely in place.

Vehicle Function Checks

- ☐ None Required