Part Number: PT278-35110

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

General Applicability

All

Recommended Sequence of Application

Item # | Accessory
---|---
1 | Roof Rack – Can be installed in any sequence with other accessories.

*Mandatory

Vehicle Service Parts (may be required for reassembly)

<table>
<thead>
<tr>
<th>Item #</th>
<th>Quantity Reqd.</th>
<th>Description</th>
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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.
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. **Remove Access Covers.** (6 locations)
   - (a) Push on end with the arrows in the direction of the arrows.
   - (b) Lift up on the opposite end while pushing the arrow end. (Fig. 1-1) Use trim removal tool as needed to pry cover up.

2. **Remove Bolts.**
   - (a) Remove 12 Bolts. (6 each side) (Fig. 2-1)

3. **Assembly Roof Rack.**
   - (a) Join the LH Rail Assembly and RH Rail Assembly together using the Joint Assembly (“I” shaped connector) and 4 M5x1.18x16 screws. (Figure 3-1)
   - (1) Note: Orient tapered Joint Assembly (“I” shaped connector) thin at top and wider at bottom. (Figure 3-1)
   - (b) Torque 4 screws to 4.0+/-1.0 Nm
4. Install Mastic Washers.
   (a) Remove adhesive backing and place mastic washers onto the bottom surface of mounting posts (spools) prior to installing to roof. (12 required) (Fig. 4-1)

5. Install Roof Rack.
   (a) Using two people, carefully place the roof rack in position on the vehicle as shown. (Fig. 5-1)

   (b) Insert M8 wafer head screws into fiber washers. (12 required) (Fig. 5-2)

   (c) Hand start M8 wafer head screws at all 12 locations. (Fig. 5-3)
Section II – Installation Procedure


(a) Verify all supports are snug and properly fitted to roof ditch mold. (Fig. 6-1)

7. Install Cross Bars.

(a) Place cross bars into position. (Fig. 7-1)

(1) Note “Forward” arrow for front of vehicle orientation.

(2) Note: Short cross bars are to be installed toward the front and rear of the vehicle. The Long cross bars are in the middle.

(b) Place lower clamp under cross bar then tighten thumb wheels by turning clockwise until tight.

(1) Note: Make sure lower clamp is on correct side (LH or RH). They will not fit properly if on wrong side of vehicle.


(a) Place the operator caution card with the owner’s manual in the vehicle glove box.
**Checklist - these points MUST be checked to ensure a quality installation.**

<table>
<thead>
<tr>
<th>Check:</th>
<th>Look For:</th>
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<tbody>
<tr>
<td><strong>Accessory Function Checks</strong></td>
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<tr>
<td>☐ Crossbar should be securely locked into rails for shipment.</td>
<td>Ensure crossbars are secure. Tighten if necessary.</td>
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<tr>
<td>☐ Gap between roof rack side rail pads and vehicle roof surface.</td>
<td>Not greater than 1.5mm</td>
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<tr>
<td><strong>Vehicle Function Checks</strong></td>
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<tr>
<td>☐ Caution Card Placement with owner’s manual.</td>
<td>Ensure Caution Card is placed with the owner’s manual in the vehicle glove box.</td>
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