

Installation Instructions



2025+ Toyota 4Runner Defender Platform Rack Kit Part #: S/BT12



For Technical Support / Warranty Information please call **800-776-0767** or email info@smittybilt.com
1017 W 600 N, STE 4, Ogden, UT 84404

Introduction

Thank you for choosing Smittybilt accessories for your vehicle. If you would like to view our full range of available accessories, please visit us at www.smittybilt.com



S/B 2780



S/B 2583



S/B 2841

Important Notes Before Starting

! IMPORTANT NOTE

Carefully read through this entire instruction manual thoroughly before attempting to install this part. Please refer to the vehicles owner's manual for **roof weight capacity**. Check that all fasteners are properly torqued after installation and driving a short distance. Fasteners should be checked regularly.

! WARNING

Serious injury can occur when working on vehicles alone.

When possible, work with another person to reduce risk of injury from strain or other dangers that can occur when working alone.

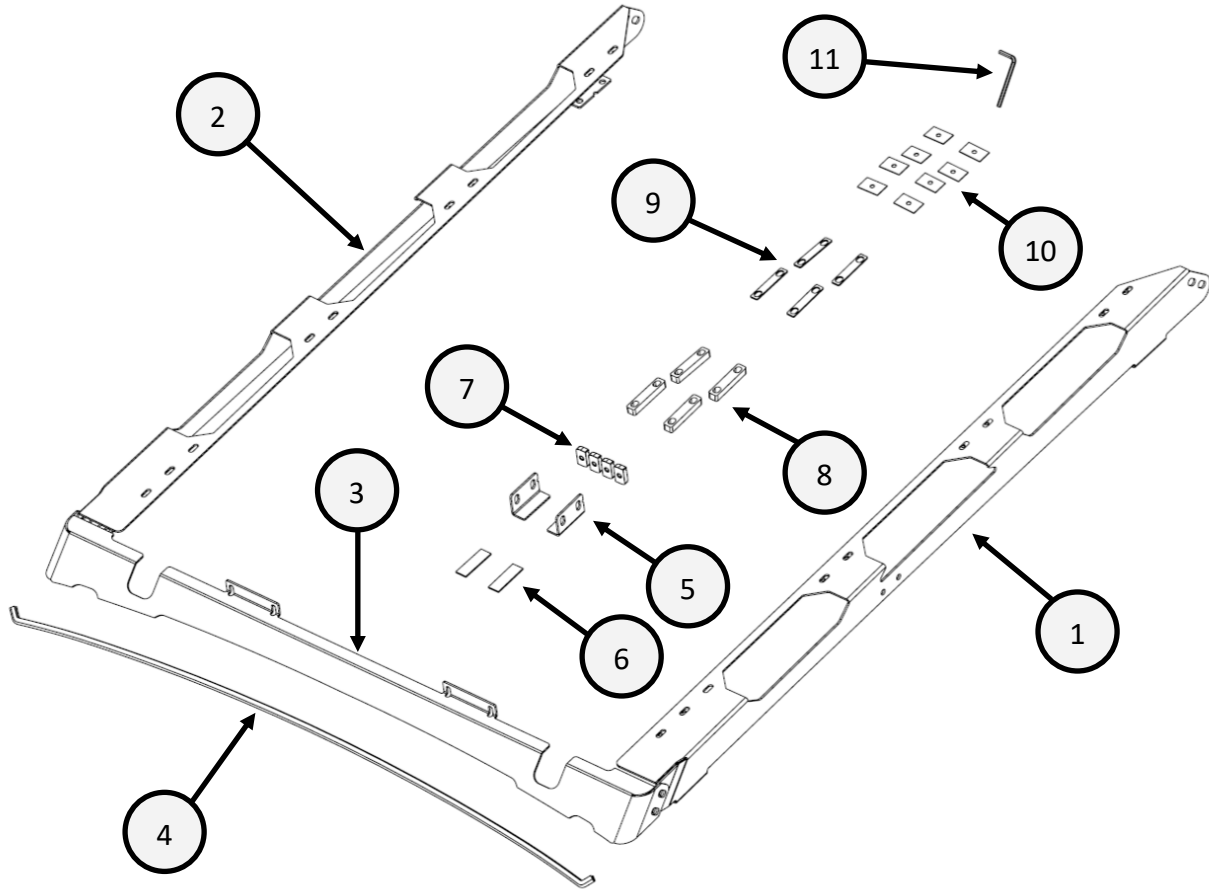
TOOLS REQUIRED

| | | |
|-----------------|----------------|--------------|
| Socket Wrench | Socket Set | Wrench Set |
| Panel Pry Tools | Cutting Pliers | Masking Tape |
| | | |



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Box Contents



| Item | Description | QTY |
|------|--------------------------|-----|
| 1 | DS Side Rail | 1 |
| 2 | PS Side Rail | 1 |
| 3 | Wind Fairing | 1 |
| 4 | Wind Fairing Edge Trim | 1 |
| 5 | Side Rail Center Support | 2 |
| 6 | Center Support Foam | 2 |

| Item | Description | QTY |
|------|--------------------------|-----|
| 7 | Channel Nut | 4 |
| 8 | Front/Rear Spacer | 4 |
| 9 | Front/Rear Spacer Rubber | 4 |
| 10 | Front/Rear Spacer Foam | 8 |
| 11 | Hex Key | 1 |
| | | |



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Hardware Packs

| Description | QTY |
|--|-----|
| Vehicle Installation Hardware | |
| M8x1.25x25MM BHCS GR10.9 | 8 |
| M8x1.25x45MM HHCS GR10.9 | 8 |
| SMALLER M8 WASHER (16MM OD) GR10.9 | 8 |
| LARGER M8 WASHER (24MM OD) GR10.9 | 16 |
| M8 LOCK WASHER GR10.9 | 8 |
| M8x1.25 NYLON LOCKNUT GR10.9 | 8 |
| Platform Rack Mounting Hardware | |
| M6 BOLT PLATE | 8 |
| M6 WASHER GR10.9 | 16 |
| M6x1.0 NYLON LOCKNUT GR10.9 | 16 |
| M8 x 1.25 x 25MM HHCS GR10.9 | 4 |
| M8 LOCK WASHER GR10.9 | 4 |
| M8 WASHER GR10.9 | 8 |



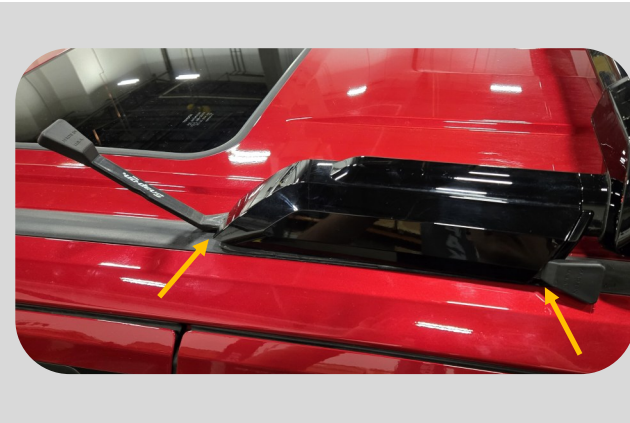
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OEM Rack Removal

Step 1: Set-Up

Open the box containing your Smittybilt Defender Platform Rack Kit and check all parts against the Bill of Materials outlined on the first few pages of these instructions. If anything is missing, contact Smittybilt factory technical support.

Read all instructions before installation. Park vehicle on a flat, level surface and apply the parking brake. Place masking tape around areas that can be scratched by installation of this rack kit.



Step 2: Remove Plastic Covers

Using plastic trim pry tools, pry up both edges of the plastic cover indicated in the photo, pushing the pry tool on the right into the cover to pop out all tabs on the side, then prying up the front to pop the cover off. You may need to apply some sideways pressure on the front of the cover or wiggle it slightly to get the tabs on the other side of the cover to pop out.

Repeat on all four covers.



Step 3: Remove the OEM Rack

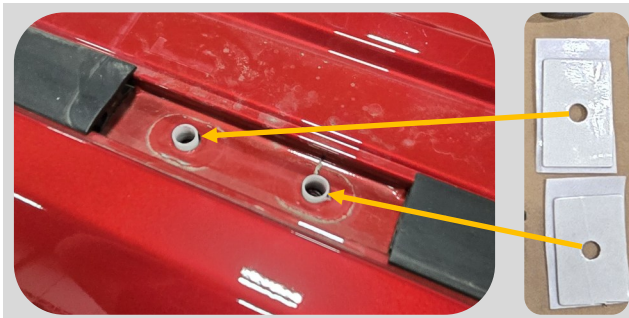
With the covers off, remove the two bolts under each cover securing the rack to the roof.

With help, remove the OEM rack from the roof.



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Step 4: Install Foam Pieces

Clean out the channel around each of the four sets of bolt holes. Remove the backing off each foam piece, then place them adhesive side down with their hole over the bolt holes.



Step 5: Place the Front and Rear Spacers

Take the backing off of each spacer rubber piece then stick one to each spacer, lining up the holes. Place a spacer, rubber piece down, over each of the four sets of roof bolt holes.



Step 6: Install Side Rails

Lift each side rail into place, aligning the side rail tab holes with the spacer holes, then thread an M8x1.25x45MM bolt with a lock washer and smaller M8 washer into each of the 8 holes. Do not tighten completely.



Step 7: Side Rail Center Support

Mount a center support to each side rail using the provided (2) M8x1.25x25MM bolts, (4) larger M8 washers, and (2) nylon locknuts. Do not tighten completely.



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Step 8: Wind Fairing Installation

Apply the edge trim to the wind fairing between the two points indicated in the photo. Cut off any extra trim.

Lift the wind fairing into place between the two side rails and secure it using the provided (4) M8x1.25x25MM bolts, (8) *larger* M8 washers, and (4) M8 lock nuts. Do *not* tighten completely.



Make sure the top of the fairing is level with the tops of the side rails.



Step 9: Final Adjustments

Make any final adjustments, then tighten all hardware to the specifications outlined at the end of these instructions.



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Installation Complete

Congratulations! Your install is now complete.
Enjoy your new Smittybilt Defender Platform Rack Kit



NOTE: Using the remaining hardware, follow the instructions for your defender platform rack to install it on this kit.

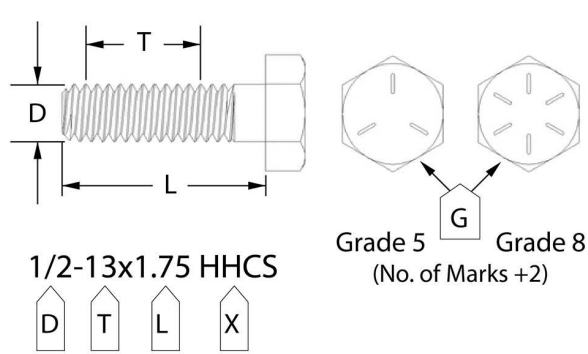


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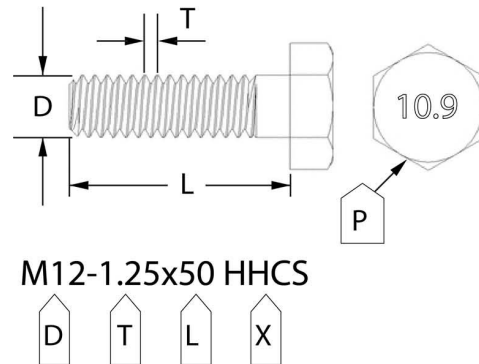
Bolt Torque Specifications

Use this only as a guide for hardware without a called out torque specification in the instruction manual.

| Bolt Torque and ID | | | | | | |
|---|---------|---------|---------------|-----------|------------|------------|
| Decimal System | | | Metric System | | | |
| <i>All Torques in Ft. Lbs. Maximums</i> | | | | | | |
| Bolt Size | Grade 5 | Grade 8 | Bolt Size | Class 9.8 | Class 10.9 | Class 12.9 |
| 5/16 | 15 | 20 | M6 | 5 | 9 | 12 |
| 3/8 | 30 | 45 | M8 | 18 | 23 | 27 |
| 7/16 | 45 | 60 | M10 | 32 | 45 | 50 |
| 1/2 | 65 | 90 | M12 | 55 | 75 | 90 |
| 9/16 | 95 | 130 | M14 | 85 | 120 | 145 |
| 5/8 | 135 | 175 | M16 | 130 | 165 | 210 |
| 3/4 | 185 | 280 | M18 | 170 | 240 | 290 |



G= Grade (Bolt Strength)
 D= Nominal Diameter (Inches)
 T= Thread Count (Threads per Inch)
 L= Length (Inches)
 X= Description (Hex Head Cap Screw)



P= Property Class (Bolt Strength)
 D= Nominal Diameter (Millimeters)
 T= Thread Pitch (Thread Width, mm)
 L= Length (Millimeters)
 X= Description (Hex Head Cap Screw)



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Notes and Disclaimers

Product cleaning and maintenance instructions

Stainless Steel Finish – Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap, window or glass cleaner may be used to clean the finish. Dual state powder coat finish – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you may wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or wax that contains abrasive that could damage the finish. Textured coated finishes should be cleaned with a mild soap on a damp sponge. Do not apply polish or wax that requires to be removed by means of buffing. This type of wax is commonly used at car wash facilities. Chrome Finish – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you should wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or wax that contains abrasive that could damage the finish.

SMITTYBILT ADVANTAGE WARRANTY

LIMITED-LIFETIME WARRANTY FOR STRUCTURAL COMPONENTS

5-YEAR FINISH WARRANTY

Smittybilt Automotive Products, LLC (SAP) warrants to the original purchaser that (a) the physical components (e.g., metal components, welds, etc.) of any SAP 2025+ *Toyota 4Runner Defender Platform Rack Kit* will be free of defects in material and workmanship for the lifetime of the product from the date of purchase of the 2025+ *Toyota 4Runner Defender Platform Rack Kit*, and (b) the finish will be free of defects in material and workmanship for a period of 5-years from the original date of purchase. This warranty applies only to the original purchaser of the 2025+ *Toyota 4Runner Defender Platform Rack Kit* and is non-transferable. To obtain any warranty service, you must provide SAP with a proof of purchase and date of purchase that is acceptable to SAP, such as a copy of your purchase receipt.

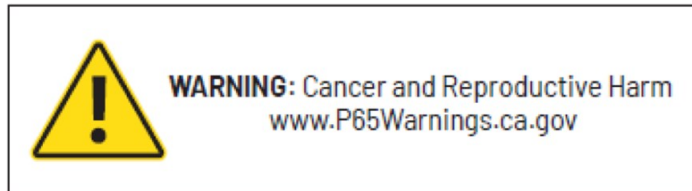
This warranty does not cover labor of part replacement of the 2025+ *Toyota 4Runner Defender Platform Rack Kit*. SAP will, at its sole discretion, provide replacement part(s) for a defective 2025+ *Toyota 4Runner Defender Platform Rack Kit* or component, provided this is done within the warranty period. To request assistance under warranty, one must call or email using the phone number or email at the bottom of this page. This warranty does not apply (1) wearable components; or (2) if the 2025+ *Toyota 4Runner Defender Platform Rack Kit* has been damaged, including, but not limited to: abuse, misuse, collision, modification, misapplication, improper installation, or improper service. This warranty is void if any SAP serial number has been removed or defaced; or if the 2025+ *Toyota 4Runner Defender Platform Rack Kit* is used for any commercial, industrial, or rental applications. This warranty only applies to 2025+ *Toyota 4Runner Defender Platform Rack Kit* bought, sold, and used within the United States or Canada unless otherwise specifically agreed in writing by SAP.

THE WARRANTY SET FORTH ABOVE IS THE ONLY WARRANTY. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY WHICH BY LAW MAY NOT BE EXCLUDED IS LIMITED TO A DURATION OF ONE (1) YEAR FROM THE DATE OF ORIGINAL RETAIL PURCHASE OF THE PRODUCT. No SAP dealer, agent, or employee is authorized to make any modification, extension or addition to this warranty. SAP SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, DOWN TIME OR LOSS OF USE) UNDER ANY LEGAL THEORY, EVEN IF SAP WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some states do not allow the exclusion of implied warranties or the exclusion or limitation of liability for incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights. You may also have other rights that vary from state to state. SAP reserves the right to change product design without notice. In situations in which SAP has changed a product design, SAP shall have no obligation to upgrade or otherwise modify previously manufactured products. For warranty inquiries contact SAP at:

Smittybilt Automotive Products, LLC

Customer Service Department

Call 1-800-776-0767 or



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