TRAIL FORTRESS

BUILT FOR THE TRAIL. CHECKED FOR YOUR TRUCK.

Rough Country 88201 Installation Instructions

Aluminum Roof Rack for Toyota 4Runner (2010-2024)

Part number: 88201

trailfortress.com/rough-country-roof-rack-88201

Scan for fitment, price and install help



TOYOTA 2010-2024 4RUNNER ROOF RACK

Thank you for choosing Rough Country for your aftermarket accessory needs.

Rough Country recommends a certified technician install this system. In addition to these instructions, professional knowledge of disassembly/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

Please read instructions before beginning installation. Check the kit hardware against the parts list on this page and the product layout on the last page. Be sure you have all needed parts and know where they go. Also please review tools needed list and make sure you have needed tools.

PRODUCT USE INFORMATION

⚠WARNING As a general rule, the taller a vehicle is, the easier it will roll. Seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur.

We will not be responsible for any product that is altered.

If questions exist we will be happy to answer any questions concerning the design, function, and correct use of our products.

⚠NOTICE NOTICE TO DEALER AND VEHICLE OWNER

Any vehicle equipped with any Rough Country product should have a “Warning to Driver” decal installed on the inside of the windshield or on the vehicle’s dash. The decal should act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics.

INSTALLING DEALER - it is your responsibility to install the warning decal and forward these installation instructions on to the vehicle owner for review. These instructions should be kept in the vehicle for its service life.

Torque Specs:

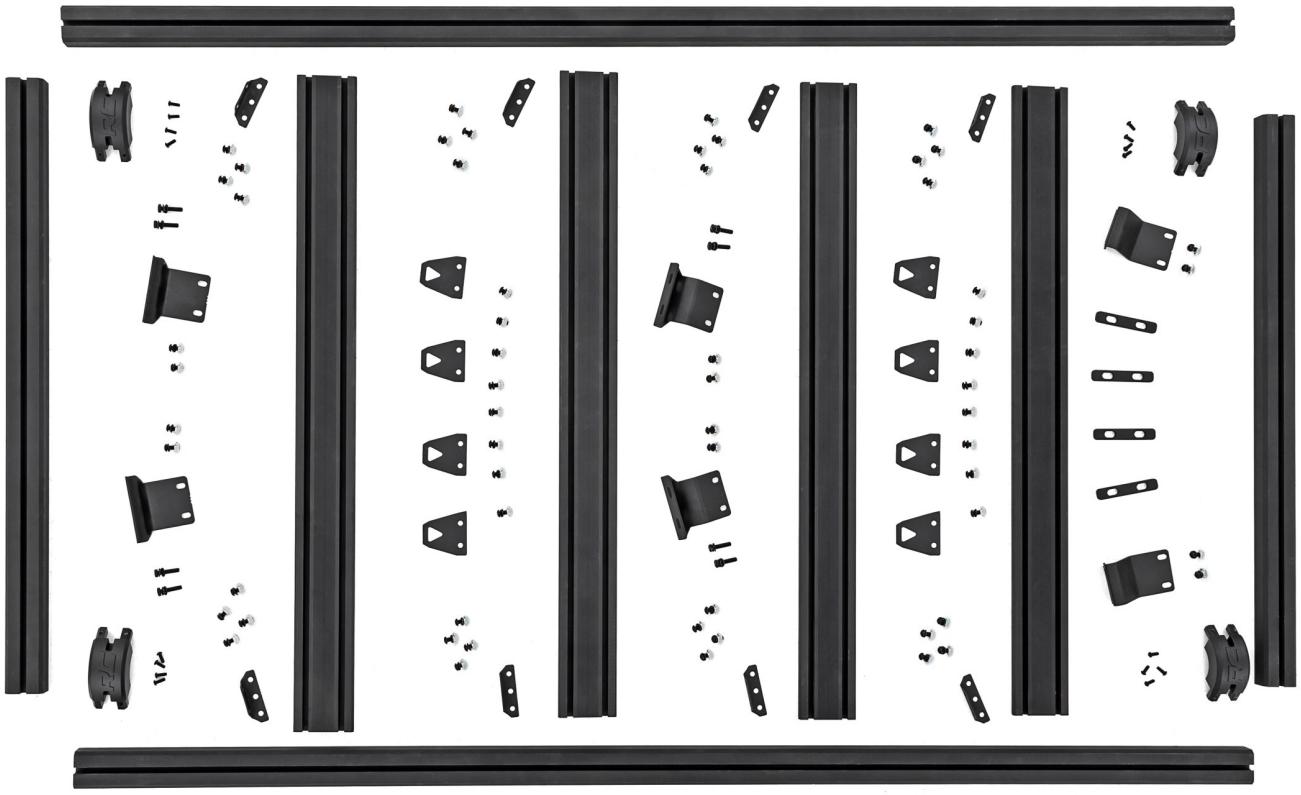
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

KIT CONTENTS:

2 - 81” Extruded Rail
2 - 40.3” Extruded Rail
4 - Corner Joint
4 - Cross Brace
4 - Spacer
1 - Front Dr. Bracket
1 - Front Pass. Bracket
2 - Middle Bracket
2 - Rear Bracket
8 - Cross Brace Bracket
8 - Tie-Down Brackets
88201BAG1

88201BAG1

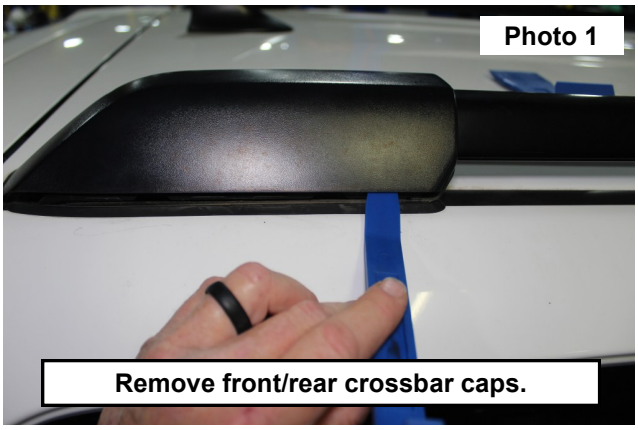
16 - 6mm x 15mm Button Head Bolt
60 - 8mm T-Slot Nut
60 - 8mm x 16mm Button Head Bolt
72 - 8mm Lock Washer
8 - 8mm Flat Washer
8 - 8mm x 35mm Bolt

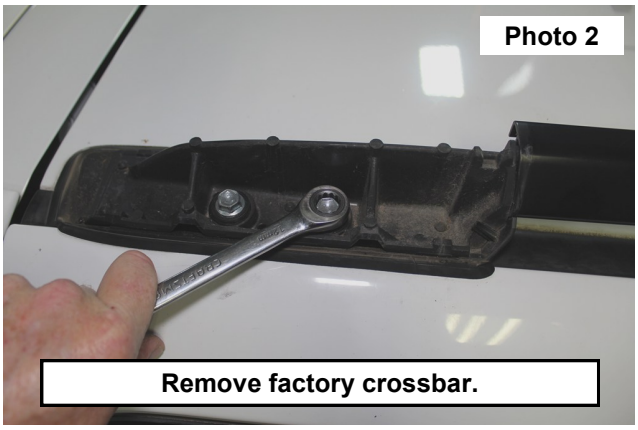


TOOLS REQUIRED:

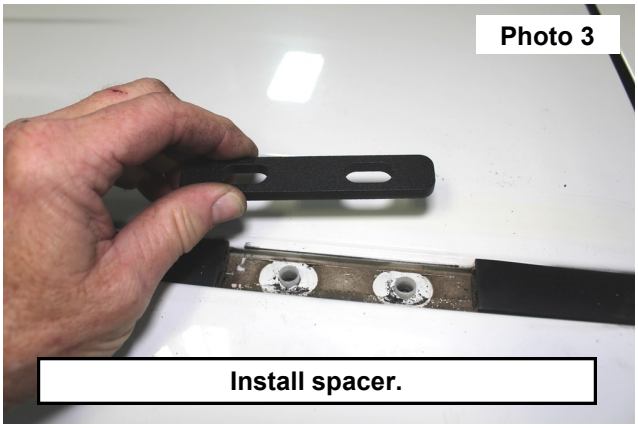
4mm Allen Wrench
5mm Allen Wrench
12mm Wrench or Socket
13mm Wrench or Socket
Plastic Pry Tool
Alcohol Wipes
Paint Pen
Tape Measurer

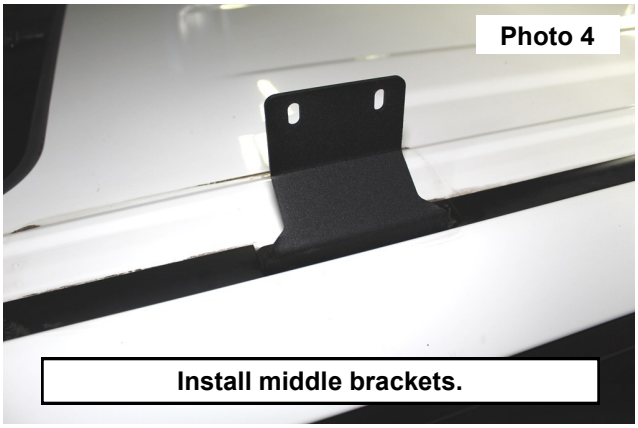
1. Pull the four factory roof rack mount covers off the factory cross bar using a plastic prying tool. **See Photo 1.**
2. Remove the factory cross bar bolts using a 12mm wrench. Remove factory crossbar. **See Photo 2.**



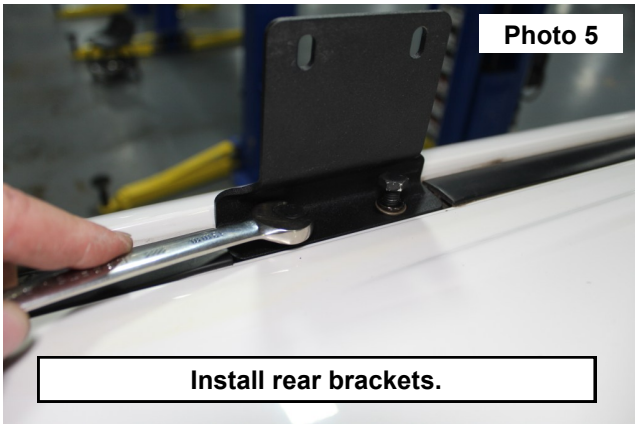


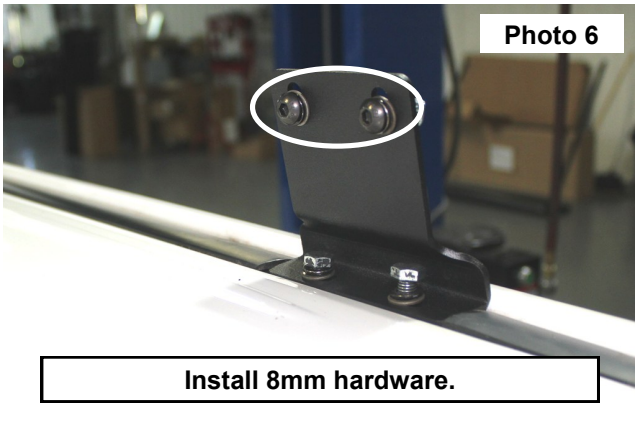
3. Place a spacer in each of the mounting locations. **See Photo 3.**
4. Install the two middle brackets in the front set of factory mounting locations using the supplied 8mm x 35mm bolt, lock washer, and flat washer using a 13mm wrench. Do not fully tighten. **See Photo 4.**





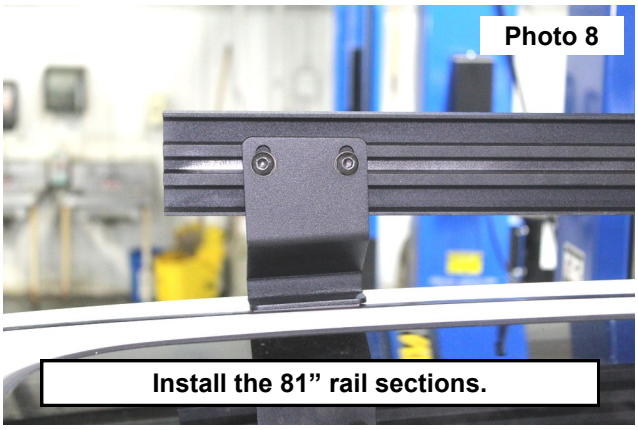
5. Install the two rear brackets in the rear set of factory mounting locations using the supplied 8mm x 35mm bolt, lock washer, and flat washer using a 13mm wrench. Do not fully tighten. **See Photo 5.**
6. Install supplied 8mm button head bolts, lock washers, flat washers, and t-slot nuts onto the middle and rear brackets as shown in **Photo 6.**



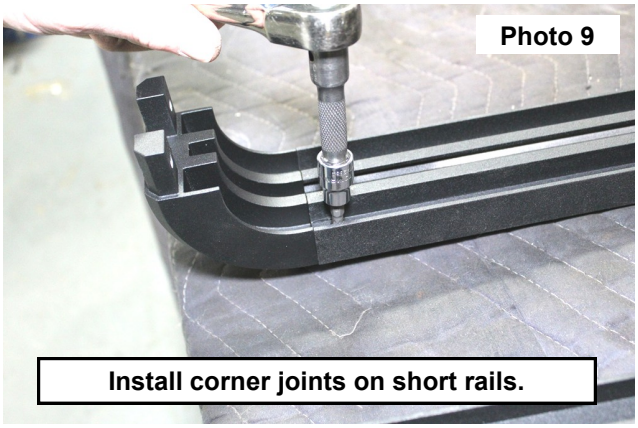


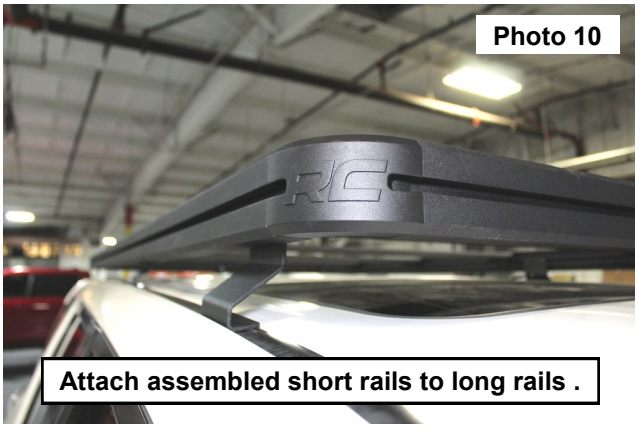
7. Install the supplied 8mm hardware onto the front brackets as shown in **Photo 7.**
8. Use a tape measurer on both driver and passenger side and make a mark in the weather stripping using a paint pen 18”-24” from the front of the middle bracket to the front of the vehicle. Clean area around the mark using an alcohol pad.
9. Peel the adhesive backer off the front driver and passenger side brackets. Place the brackets in the previously marked locations and press down with firm pressure. **NOTE:** The high side of the bracket slope goes to the front of the vehicle.
10. Slide the 81” rail over the t-slots of the brackets. **NOTE:** Passenger side shown. **See Photo 8.**



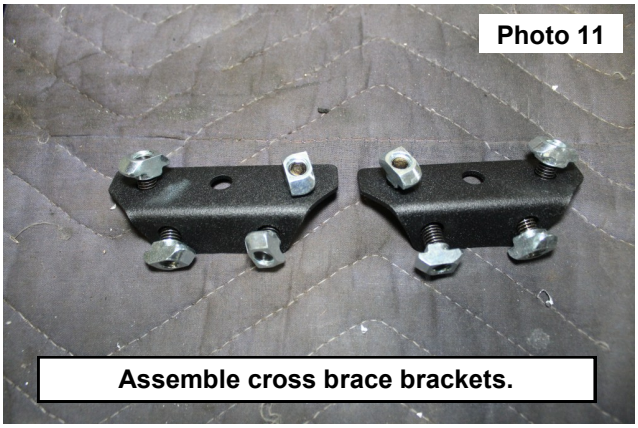


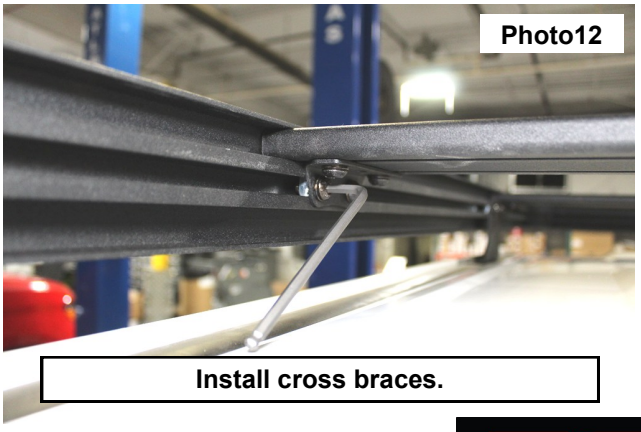
11. Install the corner joints into the two 40.3” sections of rail. Tighten using a 4mm Allen wrench. **See Photo 9.**
12. Lift the short sections of rail to the front and rear ends of the long rail. Attach the corner joints to the long rails using a 4mm Allen wrench. **See Photo 10.**





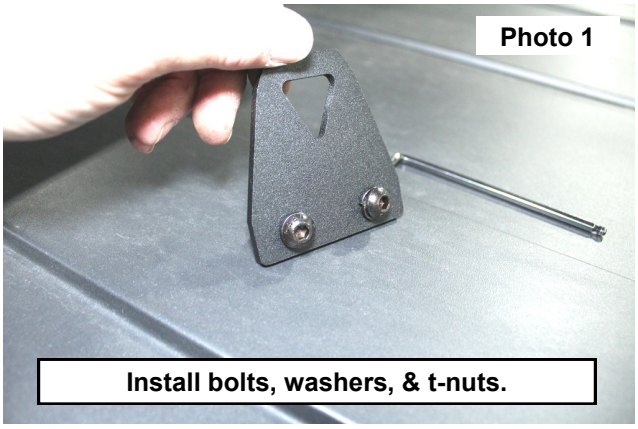
13. Assemble the cross brace brackets as shown in **Photo 11.**
14. Slide the cross brace bracket to the cross brace using the wider side of the bracket. Place cross brace in desired location and tighten the t-slot nuts using a 5mm Allen wrench. **See Photo 12.**
15. Adjust final fitment to desired location and tighten all hardware.

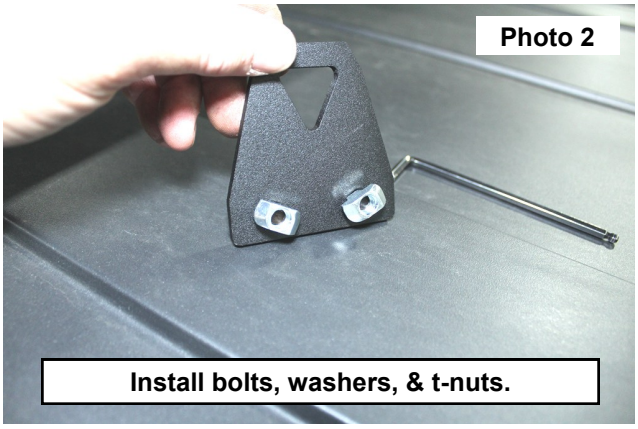




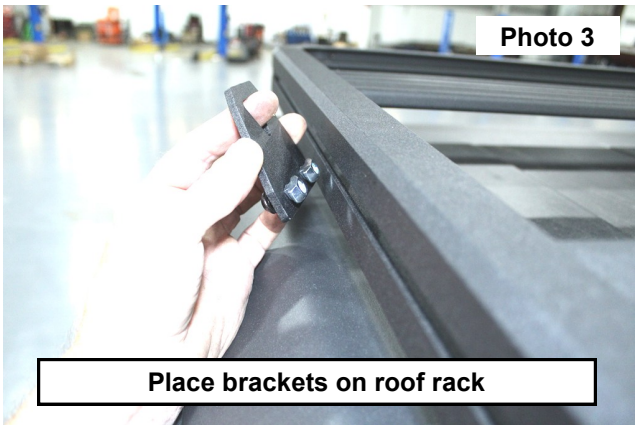
Tie-Down Bracket Installation

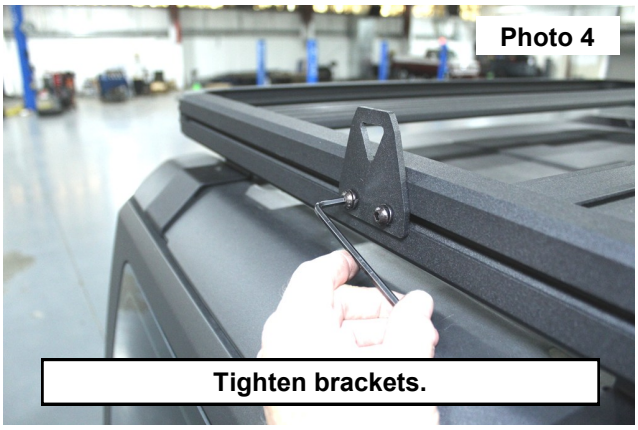
1. Install the supplied 8mm x 16mm button head bolts, 8mm lock washers, and 8mm t-slot nuts into the tie-down bracket. **See Photos 1 & 2**





2. Slide the T-slot nuts into the T rail and place each bracket in the desired location. **See Photo 3.**
3. Tighten each bolt using a 5mm Allen. **See Photo 4.**





POST INSTALLATION INSTRUCTIONS

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floorboards, and wiring harness.
2. All kit components must be retightened at 500 miles and then every 300 miles after installation. Periodically check all hardware for tightness.
3. Install “Warning to Driver” decal on sun visor.



By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable , State, and Local laws and regulations regarding the purchase, ownership, and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Rough Country, LLC for all claims resulting directly or indirectly from the purchase, ownership, or use of the items.