



INSTALL TIME: 1.5 hours

HINT

*You might want to watch the **INSTALLATION VIDEO** for the full size JK rack. The rack size is different, but the concept is the same. You can go to **YOUTUBE.COM**, search for **Front Runner Roof Rack**, or you can download it from **www.FrontRunnerOutfitters.com** (head for the **SUPPORT CENTER**)*

**1****GET ORGANIZED**

you will need:

- ☐ a Jeep
- ☐ a measuring tape
- ☐ a ladder
- ☐ a drill
- ☐ a 4.5 mm (11/64" inch) drill bit - for wind deflector & pilot holes
- ☐ a 13 mm (1/2" inch) drill bit
- ☐ a 4 mm Allen wrench
- ☐ a 13 mm flat wrench and socket wrench
- ☐ a flat head screw driver
- ☐ a white out pen or other marking tool for black rooftop
- ☐ a pair of scissors
- ☐ a friend for approximately 10 minutes (see step 5).
- ☐ a clean dry work area near your Jeep

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IMPORTANT WARNING!

IT IS CRITICAL THAT ALL FRONT RUNNER RACKS AND ACCESSORIES BE PROPERLY AND SECURELY ATTACHED TO YOUR VEHICLE. IMPROPER ATTACHMENT COULD RESULT IN AN AUTOMOBILE ACCIDENT, AND COULD CAUSE SERIOUS BODILY INJURY OR DEATH TO YOU OR TO OTHERS. YOU ARE RESPONSIBLE FOR SECURING THE RACKS AND ACCESSORIES TO YOUR CAR, CHECKING THE ATTACHMENTS PRIOR TO USE, AND PERIODICALLY INSPECTING THE PRODUCTS FOR ADJUSTMENT, WEAR, AND DAMAGE. THEREFORE, YOU MUST READ AND UNDERSTAND ALL OF THE INSTRUCTIONS AND CAUTIONS SUPPLIED WITH YOUR FRONT RUNNER PRODUCT PRIOR TO INSTALLATION OR USE. IF YOU DO NOT UNDERSTAND ALL OF THE INSTRUCTIONS AND CAUTIONS, OR IF YOU HAVE NO MECHANICAL EXPERIENCE AND ARE NOT THOROUGHLY FAMILIAR WITH THE INSTALLATION PROCEDURES, YOU SHOULD HAVE THE PRODUCT INSTALLED BY A PROFESSIONAL INSTALLER SUCH AS A QUALIFIED GARAGE OR AUTO BODY SHOP.

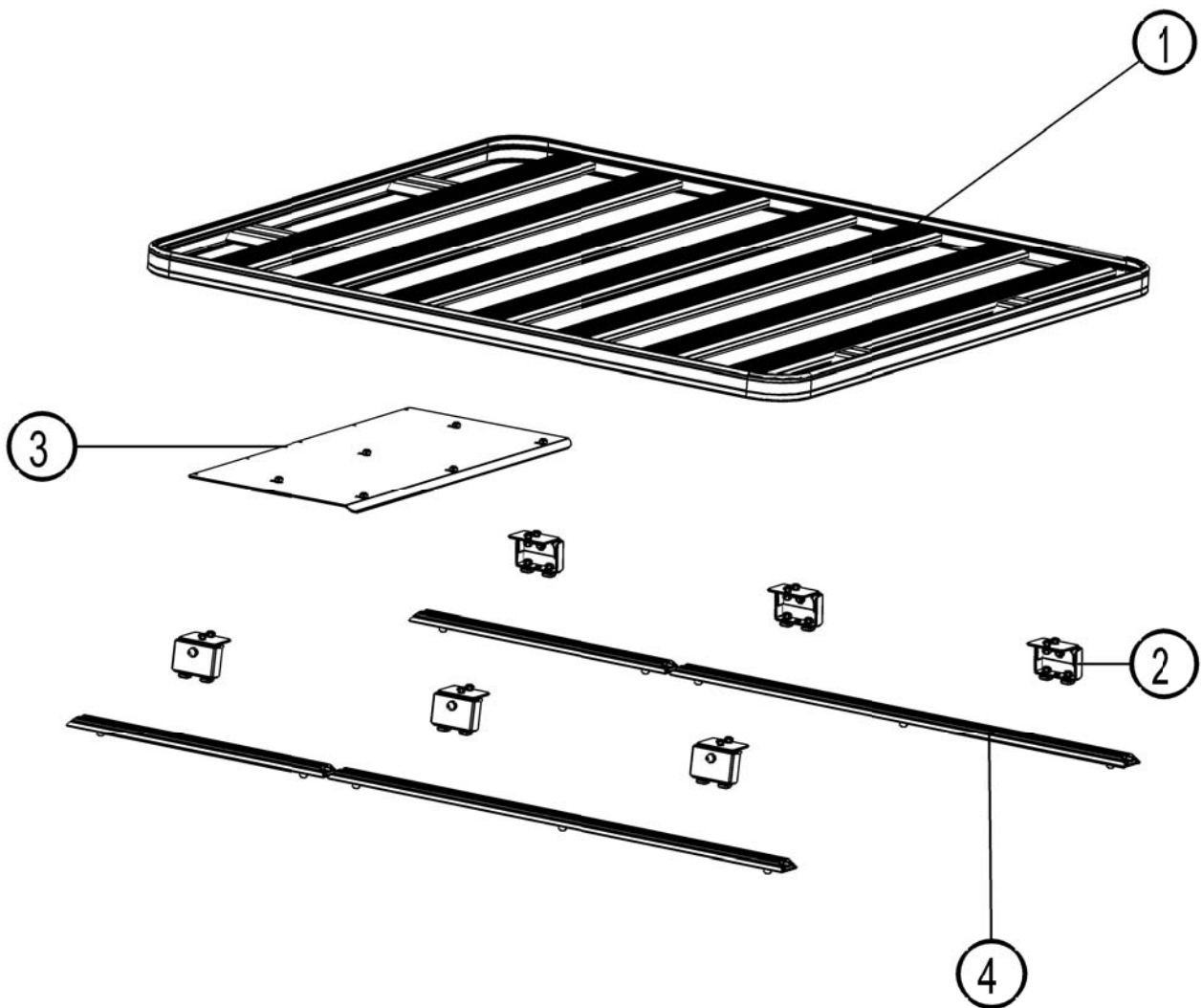
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GET ORGANISED

...CONT'D

Here is what you are looking at:

ITEM #	QUANTITY	DESCRIPTION
1	1	U BASKET
2	6	FOOT ASSEMBLY
3	1	WIND DEFLECTOR
4	4	ROOF TRACK



B)

Familiarize yourself with the parts and then step away from the work area and read through these instructions from beginning to end. Grab a cup of coffee and take a moment. A little prep now may save you a lot of time later

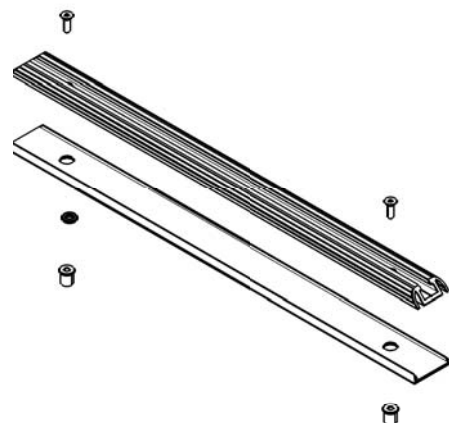
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INSTALL TRACK

Item #	Quantity	Description
1	12	COUNTERSUNK ALLEN CAP BOLT M6 x20
2	4	TRACK - 2 SHORT, 2 LONG
3	4	RUBBER TRACK LINING
4	12	WELLNUT

A)

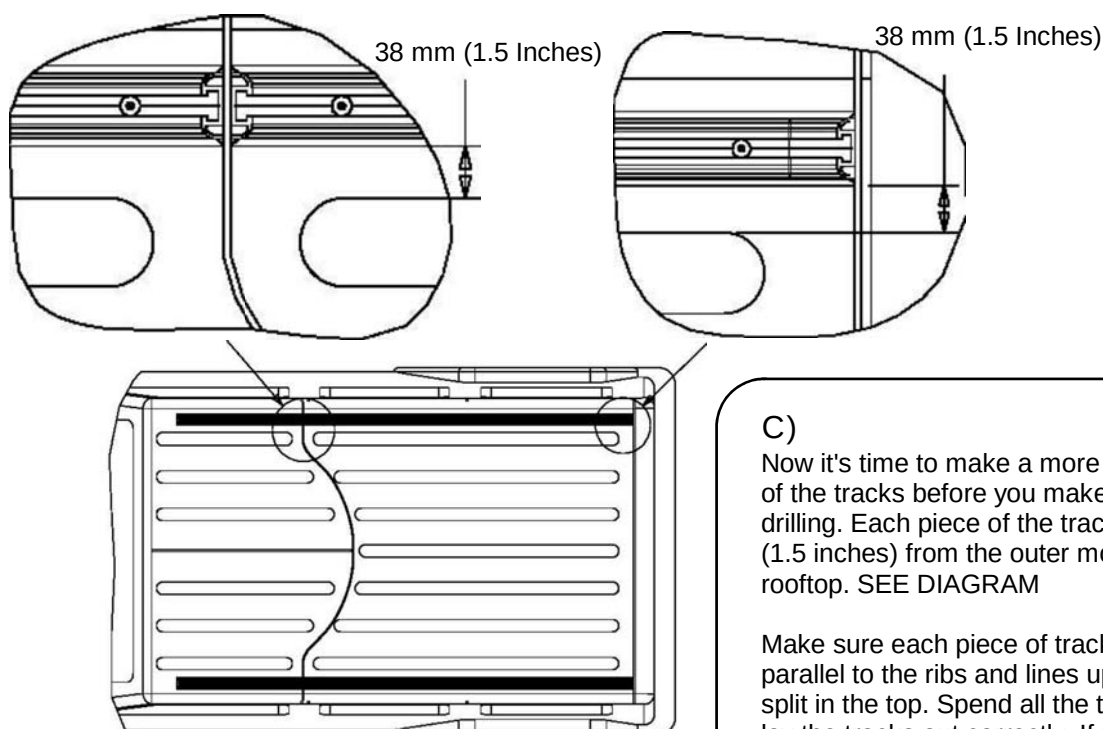
The aluminum tracks ship with the rubber seal loosely fitted in place. There are two quick steps to prep the seal and tracks. First, remove the paper to expose the glue. Then carefully center the holes in the seal with the holes in the track and press the seal into place. Now grab your scissors and trim the rubber at the end of each track so it doesn't overhang. You can cut an angle with the slant of the track, or make a straight cut. You might want to practice first.



B)

Set the 2 short tracks on the T-tops parallel with the doors, about 25 mm (1 inch) from the edge of the roof. The back of the track should line up exactly with the split in the top. SEE DIAGRAM

The 2 long tracks are curved near one end. This curve is the back of the track and it fits over the curvature along the back of the hard top. Place the 2 long tracks in the same way as you did with the short tracks, lining up the front of the track with the split in the top. SEE DIAGRAM



C)

Now it's time to make a more exact placement of the tracks before you make your marks for drilling. Each piece of the track must sit 38mm (1.5 inches) from the outer most rib in the rooftop. SEE DIAGRAM

Make sure each piece of track is straight, parallel to the ribs and lines up evenly at the split in the top. Spend all the time you need to lay the tracks out correctly. If you need a hand, don't be shy to ask.

Once you're happy, mark all the holes using a white out pen or similar marker.

HINT: Measure 3 times, Drill once. You don't get a 2nd chance to drill your roof.

2

INSTALL TRACK ...CONT'D

WARNING! - IF YOU'RE SKIPPING PARTS, STOP AND READ ME! Drill slow and steady. This roof is hollow! You only want to drill through the first/upper layer of the fiberglass. You DO NOT want to drill all the way through because you may accidentally pierce the inner shell.

D)

Pilot drill the marked holes using the 4.5mm (11/64 inch) drill bit. There is NO NEED for a lot of downward pressure. You only want to drill through the top layer of the roof. you will not need to go deeper than 6.5mm (1/4 inch). Let the drill do the work - your job is to keep the drill steady - you don't want it slipping across your roof and scratching it!

Once all the pilot holes are complete, change the drill bit to the 13mm (1/2 inch) drill bit and re-drill the pilot holes.

HINTS: Use new sharp drill bits. Also, you don't want to scratch the top of your roof, so keep your workspace clean. If you want to set your tools on the roof, you might want to use a towel or blanket.

E)

Grab the rubber well nuts (Item 4) and carefully place them in each of the holes. Starting at one end, carefully lay down the tracks, lining up the holes in the tracks with the holes in the well nuts. Using the 4mm Allen wrench hand tighten the Allen bolts (Item 1). Make sure the rubber seals remain even. DO NOT TIGHTEN MORE THAN 14 TURNS.

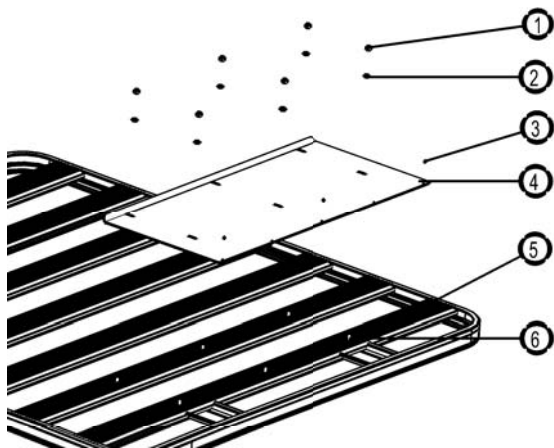
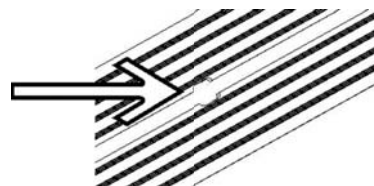
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INSTALL WIND DEFLECTOR

Check the product sticker on the roof rack- if it is upside down, you are ready to install the legs, if it is not, turn the rack over so that it is upside down.

A)

Slide three bolts (Item 6) into the grooves in the first and second slats (Item 5).



Item #	Quantity	Description
1	6	NYLOC HEX NUT - M8
2	6	FLAT WASHER - M8
3	3	4mm POP RIVET
4	1	WIND DEFLECTOR
5	7	SLAT
6	6	HEX HEAD BOLT - M8x16

C)

Place the washers and nyloc nuts (Items 1&2) in position and hand tighten. Center the wind deflector (Item 3) and slide it snug up against the front rail and tighten with your 13 mm wrench.

IMPORTANT! Once your Roof Rack is fitted, ensure a 15mm clearance is maintained between the Wind Deflector and the vehicles roof otherwise damage to the roof may occur. Bend the Wind Deflector by hand if necessary.

B)

Set the wind deflector (Item 4) over the bolts (Item 6) - the bend in the deflectors should be facing up- (when the roof rack is flipped over and mounted on the roof, the bend in the deflectors will face down towards the roof

D)

Using the 4.5 mm drill, spot through the 3 holes in the front of the wind deflector and drill through into the aluminum section.

Grab your rivet gun and rivet the deflector plate to the rack.

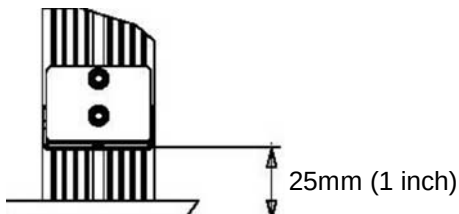
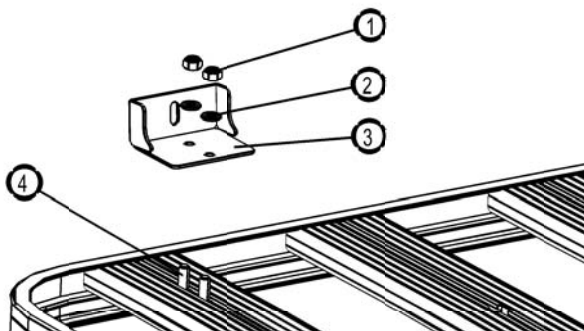
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PREP THE FEET

A)

The feet are shipped loosely assembled. Remove the center bolts holding them together and set aside the nuts, bolts and washers.

Item #	Quantity	Description
1	12	NYLOC HEX NUT - M8
2	12	FLAT WASHER - M8
3	6	FOOT - TOP HALF
4	12	HEX BOLT - M8x16



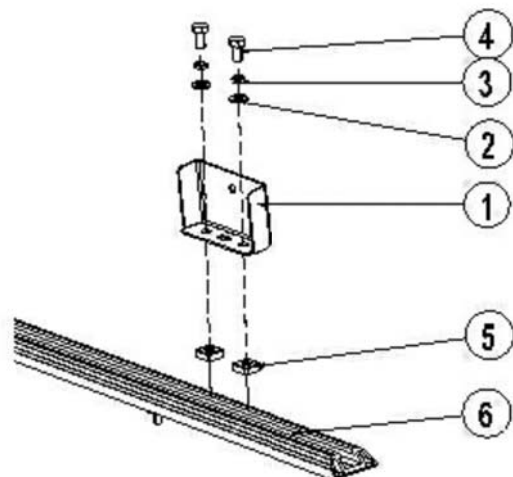
B)

Remove the bolts from the top pieces of the feet (Item 2) and slide two bolts each into slats 1,4 and 7. Slat 1 is on the wind deflector side.(The rack should still be upside down from the installation of the wind deflectors).Slide the bolts to the outer edges of the rack and place the feet on the bolts (Items 1 &2), then the washers and the nyloc nuts (Items 1 &2) and hand tighten. The feet should be positioned 25 mm (1 inch) from the edge of the rack. SEE DIAGRAM.

Item #	Quantity	Description
1	6	FOOT - BOTTOM HALF
2	12	FLAT WASHER - M8
3	12	SPRING WASHER - M8
4	12	HEX HEAD BOLT - M8x16
5	12	STUD PLATE
6	4	ROOF TRACK

C)

Prepare the bottom feet (Items 1-5) by assembling them as per diagram. Slide the feet into position on the roof track (Item 6). Slide 3 feet per side. Line up the bottom feet in the same positions as the upper feet you just mounted to the rack's slats (1,4 &7)



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RACK INSTALL

A)

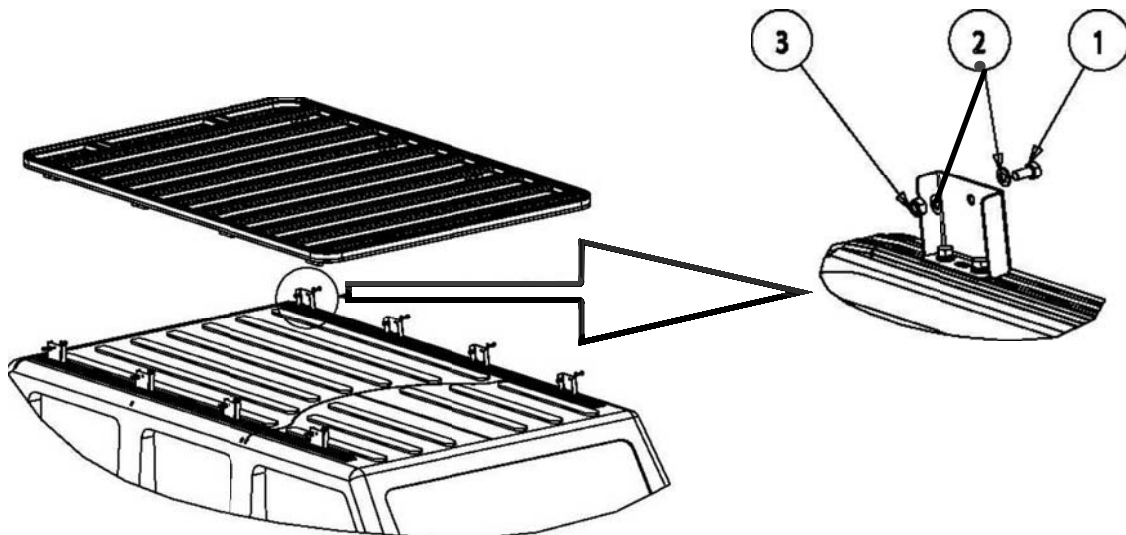
Grab your friend. Before you lift the rack, plan your angle of approach. You want to set the rack and top feet directly into the bottom feet on the track.

WARNING! DO NOT SLIDE THE RACK AND FEET ACROSS THE ROOF!! If there is a chance you are going to set the roof rack on the roof, throw some moving blankets and/or towels up there. If you must lower the rack before it is in position, carefully set the feet on the padded surface.

B)

Lift the rack up over the vehicle and set it into the bottom feet. You may need to slide the bottom feet a bit to line up with the top feet as you're lowering the rack.

Once the rack is in place, insert and hand tighten the middle foot bolts, washers, and nyloc nuts (items 1,2 &3)



C)

Make sure the rack is **LEVEL** and **SQUARE**. This can be accomplished by stepping back and studying the rack from all 4 sides and making any adjustments needed.

Use your 13 mm socket and wrench to tighten the **BOTTOM** bolts, followed by the **MIDDLE** bolts and finally the **TOP** bolts. Double check the level of the rack after each step.

Once your is level and secure, snap the plastic caps on the middle bolt heads

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INSTALL YOUR RACK ACCESSORIES

See the specific install guides.

And if you forgot to buy accessories, now's the time to take a trip to your dealer or visit www.FRONTRUNNEROUTFITTERS.COM

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TAKE A TRIP

A)

After your first adventure, check the tension on all the bolts and screws and re-tighten where needed. You'll find a small amount of settling has happened.

B)

Go on many more adventures. Periodically check the bolts- it's always wise to double check your fasteners once in a while.

THE FINE PRINT- Now that your Front Runner Slimline Roof Rack is installed, please be safe with what you actually decide to bolt to your rack. Our rack is strong, much stronger than the roof of your vehicle.

We suggest not exceeding 125 pounds moving weight limit*. The static weight limit (ie. 2 people sleeping in a rooftop tent while parked) should not exceed 500 pounds.(tent weight plus people weight)

If you have heavier, taller accessories you'd like to store, like a bunch of Jerry cans, a lot of water, etc. you might want to use our interior storage accessories. As with any vehicle carrying additional loads, it is safer to keep the centre of gravity as low as possible, and this means keeping the heaviest items low and central.

And always remember- you've raised the height of your vehicle- so use caution when entering parking structures and driving under low hanging obstacles.

For the safety of your rack system and your vehicle, please obey all traffic laws and adjust speed accordingly to the load being carried and the conditions of the road. Cargo will effect the vehicles handling.

You'll get many years of enjoyment out of your Front Runner roof rack if you use common load carrying sense.

→ **Modifying your vehicle involves some risks and may void certain aspects of your vehicle's warranty.**