

INSTALLATION GUIDE

Congratulations on buying a Nice Rack. A quick & functional ladder racking system from Six Wheeler Conversions.

Please follow these instructions carefully to ensure hassle free installation and ongoing functionality. It is very important that all internal cuts and drilled holes are deburred properly to ensure the posts slide over the pins smoothly without gagging.

Parts included in this kit:

1 cross member consisting of: <ul style="list-style-type: none"> • 1 x alloy extruded top rail • 2 x M10 eye bolts • 2 x M10 36mm square washer • 2 x M10 channel nuts • 2 x plastic end caps 	Tools required to install: <ul style="list-style-type: none"> • 8mm Alan key • 18mm spanner and or socket • 12mm drill • String line • Marker pen/pencil • Pipe cutter or angle grinder or hack saw (best) • Deburring tool or round file or abrasives
2 x alloy round posts	
4 x alloy mounting pins for top & bottom	Also included are the following:
4 x M10 eye bolts & 4 x 10mm nylon washers	4 x silicon o'rings (to stop tubes rubbing)
2 x M12 button head screws + 2 x M12 flat washers	2 x bungy straps to hold the system together
2 x M12 bolt + 4 x M12 50mm square washers	
2 x M12 Spring washers	
1 x tube of Threadlocker	

Installation

Step 1 – Bottom Mount Pins

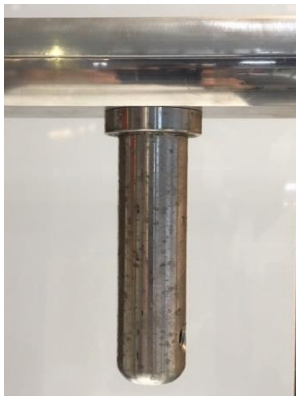
1. Locate a suitable position on the bulbar, tray, etc. for the mounting pins
 - As close to mounting brackets, bulbar posts, etc. as practical (these areas are stronger)
 - Ensure sufficient flat space for the pin base
 - Ensure the uprights are clear of any obstacles
 - Ensure there is sufficient flat space under the mounting surface for the square washers & access to tighten the bolts nb the square washers are important to give the unit stability!
2. Measure and mark the position of each bottom mount pin to ensure they are consistent
3. Drill one 12mm hole for each bottom mount pin
4. Place 1 x 12mm spring washer on 1 x M12 bolt, followed by 1 x square washer
5. Apply Grip thread lock to the thread
6. Insert bolt through hole in mounting surface from underneath
7. Add a square washed beneath the pin (above the bar), then
8. Screw on bottom mount pin and tighten
9. Ensure the threaded hole faces across the width of the vehicle
10. Repeat steps 4 to 8 for the second bottom mount pin

Step 2 – Top Mount Pins

1. Measure the distance between the centre points of the bottom mount pins (e.g. 800mm)
2. Divide by 2 (e.g. 400mm) we will call this “x”
3. Divide length of bearer by 2 (usually 750mm) we will call this “y”
4. Mark distance to first hole (“y” - “x”)
5. Mark distance to second hole (“y” + “x”)
6. Mark centre axis of bearer at these points, when using a hand-held drill, it is best to mark and drill the bearer from each side.
7. Drill a 12mm hole right through the bearer at these 2 points (apply gentle force when drilling these holes or it will be difficult to remove the burr from the outside of the hole.)
8. Insert 1 x M12 button head bolt and flat washer and insert it through the rail from the eye bolt side as shown



9. Apply Grip thread lock to the thread of the top mount pin and screw it on to the bolt
10. Screw on and tighten the top mount pin



11. Ensure the threaded hole faces along the length of the bearer
12. Repeat steps 8 to 13 for the second top mount pin

Step 3 – Posts

1. Slide alloy tube posts onto the bottom mount pins
2. Tie a string line to the top of the rear most ladder rack
3. Run string line over the centre (headboard) rack to the top rail of the Nice Rack
4. Slide string down the Nice Rack post until it just touches the top of the headboard rack
5. Mark the upright 45mm below this string point
6. Measure and mark second post to match
7. Remove posts for cutting
8. Cut off the posts at the points marked
9. Ensure the cut ends and drilled holes are completely de-burred and smooth on the inside to ensure ease of assembly and disassembly
10. Measure 90mm from each end of the upright and mark
11. Using a T Square, cross measure 19mm from the side of the upright
12. Drill a 12mm hole in the centre of the post at each of these points and de-burr them (drill this hole with gentle force or the burr on the inside of the hole will be very difficult to remove)



Step 4 – Assembly

1. Slide the 2 posts onto the top mount pins
2. Screw an M10 eye bolt with a nylon washer through the post into each top mount pin
3. Fit the posts over the bottom mount pins
4. Screw an M10 eye bolt with a nylon washer through the post into each bottom mount pin
5. If you want to reduce wind noise, then you can fit a black rubber cover strip (not included)
6. You are finished!



nb Picture not to scale and for demo purposes only.

Step 5 – Disassembly

1. Remove the 4 eye bolts from the posts
2. Lift off the 2 uprights from the bottom mount pins
3. Remove the posts from the top rail, ensuring o-rings are around the posts to stop them rubbing
4. Tie both posts and top rail together with bungy cords provided
5. Screw eye bolts into holes in mount pins for safe keeping.



NB: It is the installers/owners responsibility to comply with all state and federal laws regarding use of a ladder racking system.

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