

Surly Rack Instructions

Welcome to the wonderful world of the rear Surly Rack. Before you attempt to install your rack and prepare for your next storied adventure, please read the following information to help you get the most out of your new Surly product.

Our rack is made from tubular 4130 cro-moly steel. It's comprised of 10mm diameter tubing in 3 different wall thicknesses. We utilize thicker tubes for the higher load areas and thinner tubes for weight savings. When properly assembled and installed, your rack can carry 36 kg (80 lbs.). Like our 4130 bike frames, the rack has been internally and externally phosphate-coated before being externally powdercoated to aid in rust prevention. To further inhibit rust, it's a good idea to coat the innards of the rack tubes with another substance like linseed oil, Boeshield, J.P. Weigle's Framesaver, or engine fogging oil.

The provided stainless steel hardware was chosen due to its corrosion resistance and toughness. We purposely included all the hardware not to confuse you, but to allow fit versatility between many different types of frames on the market. The rack height is adjustable, so we expect it will fit onto most road and off-road frames that utilize 26" - 29" wheels.

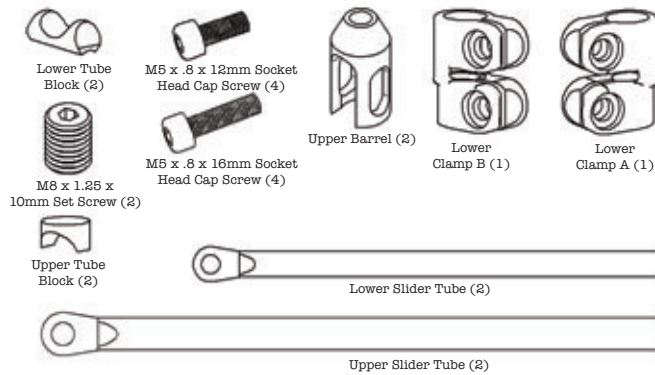
Before you start to put your rack together, check to make sure that you have all tools and hardware necessary to complete the assembly:

Tools:

- 4mm hex key
- Grease
- Mallet
- 5mm x .8 tap to clean up frame threads
- Hacksaw to shorten upper slider tubes

Hardware:

- (2) M8 x 1.25 x 10mm set screw
- (2) Upper barrel
- (2) Upper tube block
- (2) Lower tube block
- (2) Upper slider tube
- (2) Lower slider tube
- (1) Left lower clamp
- (1) Right lower clamp
- (4) M5 x .8 x 12mm socket head cap screw
- (4) M5 x .8 x 16mm socket head cap screw



Assembly Instructions

1. Find a suitable location to assemble your rack. A clean spot on a workbench is best. You're likely to lose small parts if you're working in clutter. Position the rack, upside down, on your work surface. The front of the rack should overhang the edge of the work surface as shown in Figure 1.



Figure 1

2. Install the left and right lower clamps onto the rack: Grease the inside bore of each clamp. Use a mallet to tap each clamp onto the rack. The counterbores should be facing the outside of the rack, and the slots of the clamps should line up with the slots of the rack. If you have difficulty installing the clamps, you can 1) spread the clamp slightly with the blade of a screwdriver or 2) use the "penny trick": a) thread any of the 5mm bolts into the threaded holes of the clamp b) insert thin coins partially into the clamp slot c) slowly tighten the bolts against the coins until the clamp spreads enough to allow its installation. See Figure 2.



Figure 2

3. Install the lower slider tubes into the clamps. See Figure 3. Grease the threads of the 12mm cap screws, and partially thread the screws into the clamps. Don't tighten them yet.



Figure 3

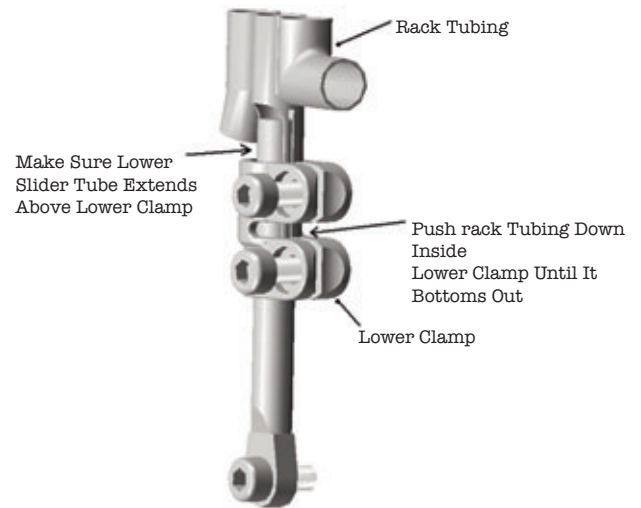


Figure 3-2

4. Grease the threads of the 8mm set screws and thread them into the upper barrels 5-6mm.
5. Drop the upper tube blocks into the upper barrels. The flat ends of the tube blocks should face the set screws. Align the radii of the blocks with the radii of the barrels. See figure 4.



Figure 4



Figure 4-2

6. Install upper barrels onto the rack tube as shown in figure 5.



Figure 5

7. Install the lower tube blocks as shown in figure 6.



Figure 6

8. Insert the upper slider tubes into the assembly as shown in figure 7. Tighten the set screws just enough to keep the assembly together while installing the rack onto the frame, but loose enough to allow adjustment.

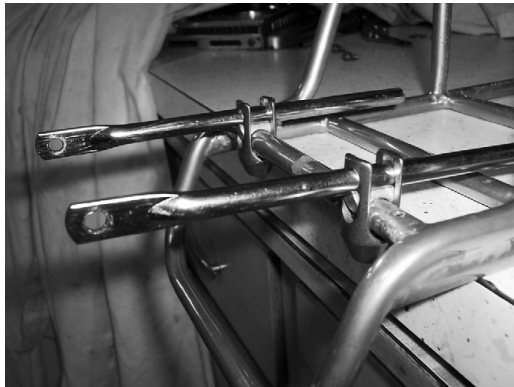


Figure 7

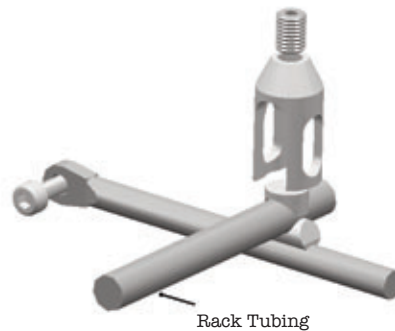


Figure 7-2

9. Install the rack onto the frame using the 16mm cap screws (after you grease the screw threads, of course), but leave the screws slightly loose until height and angle adjustments are made. Remember: the upper hardware slides on the rack tube to adjust for the width of the frame braze-ons. Adjust the height: mount your rack low, so the center of gravity stays low when the rack is loaded. Leave ample clearance for the tire and fender. Tighten the lower clamp hardware when the proper height is attained. Adjust the rack angle, so it's parallel to the ground. Tighten the set screws when the proper angle is attained. Tighten the 16mm cap screws to finish the installation.

10. Check your bolts frequently to assure they are securely tightened.

If you lack proper tools, knowledge, or patience to get the job done right, visit your friendly local bike mechanic for assistance. Spare parts are available in the event that you break or lose something.

Limited Warranty:

Stuff eventually breaks or wears out if you use it enough. That's beyond our control. We guarantee this product to be free from defects in manufacturing and design for one year from date of purchase. It's guaranteed to not fail under normal riding conditions. Surly is not responsible for the actions you take on your bicycle, however, and cannot be responsible for products that break when not installed correctly or used inconsistently with the product's design. If you're not sure if something will work the way you want, contact us. If you destroy it, fess up, and maybe we can help you with some replacement parts to keep you riding.

Sorry, the finish isn't covered, nor is any damage that happens to you or other components as a result of any failure of one of our products. Lastly, if you modify or neglect our products, we can't be responsible for them or what might happen to you while you're using them.

All potential warranty items should be returned to the original place of purchase, accompanied by a sales receipt. In the unlikely event that this is not possible, give us a call or email us, and we'll do our best to get you back on the bike.

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