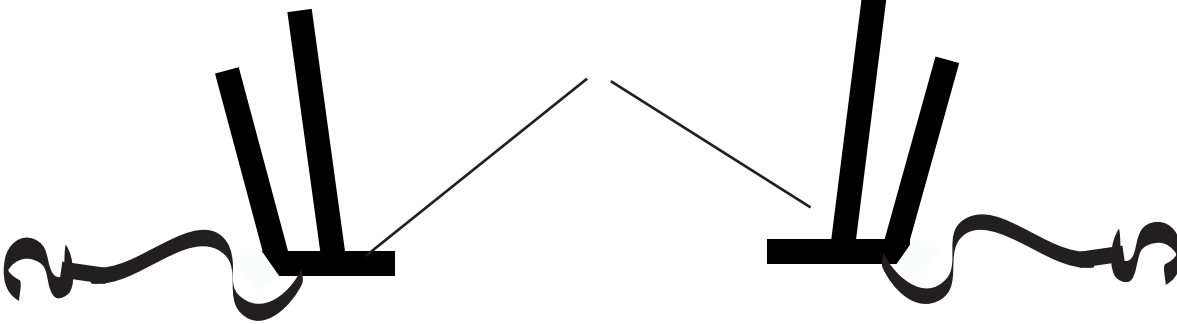


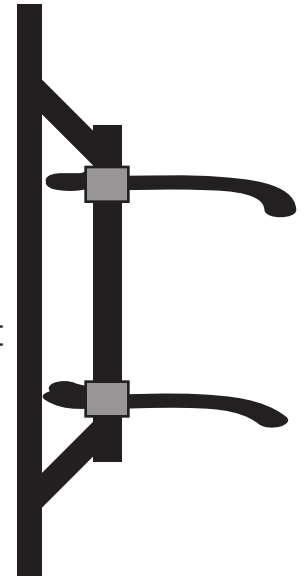
Package Contents

Here are the pieces that should come with your X-RACK.

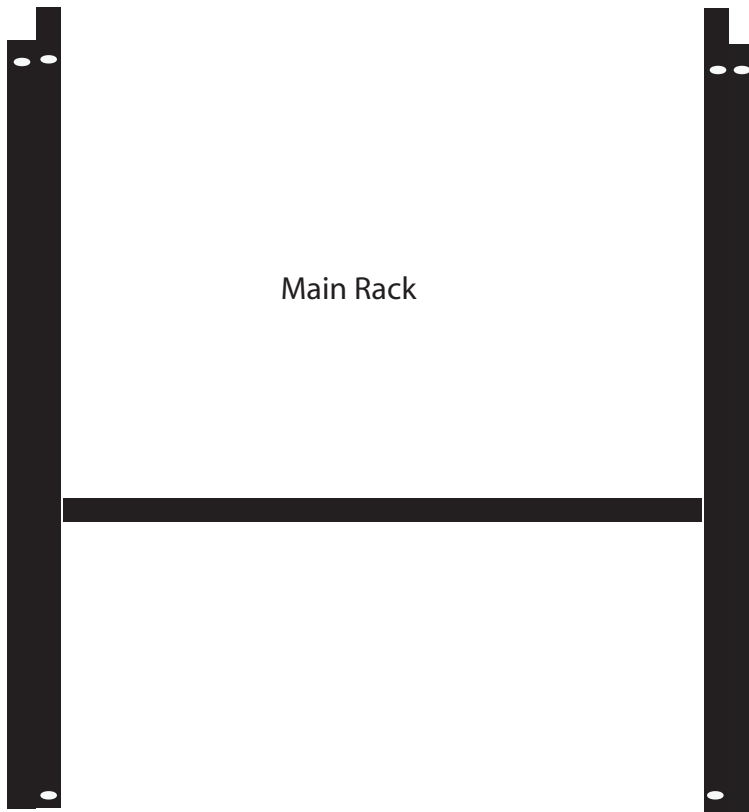
Front Forks









Support Bar



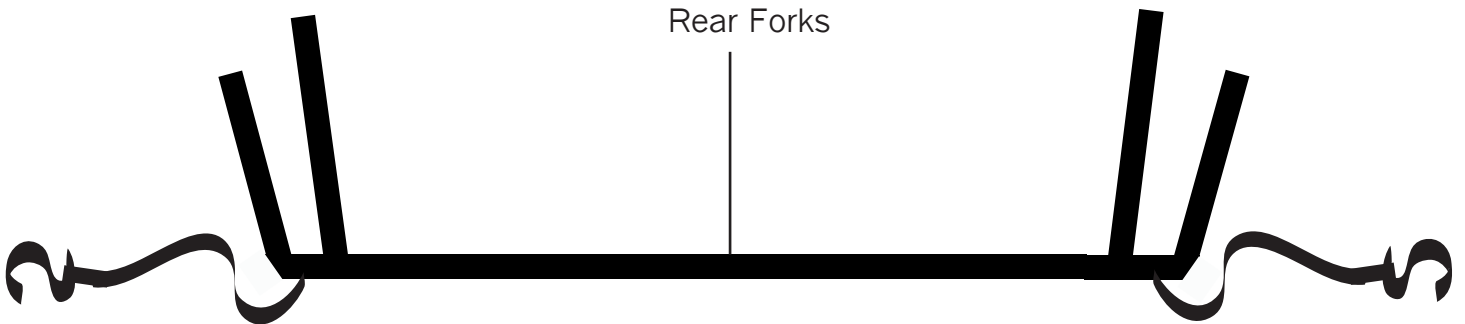
Main Rack



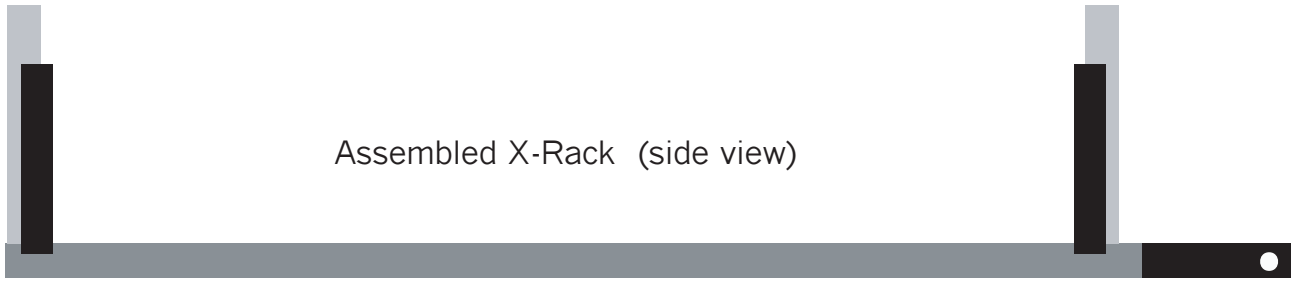
Hardware

- 8  5/16 stainless bolt
- 16  5/16 stainless washers
- 8  5/16 stainless nylock
- 2  Clamping Knob
- various  Nylon spacers
- 2  3/8 T-Bolt

Rear Forks



The first step to installing your X-RACK is to assemble the front and rear forks onto the main rack. The front forks come in 2 pieces and the back forks are one piece.



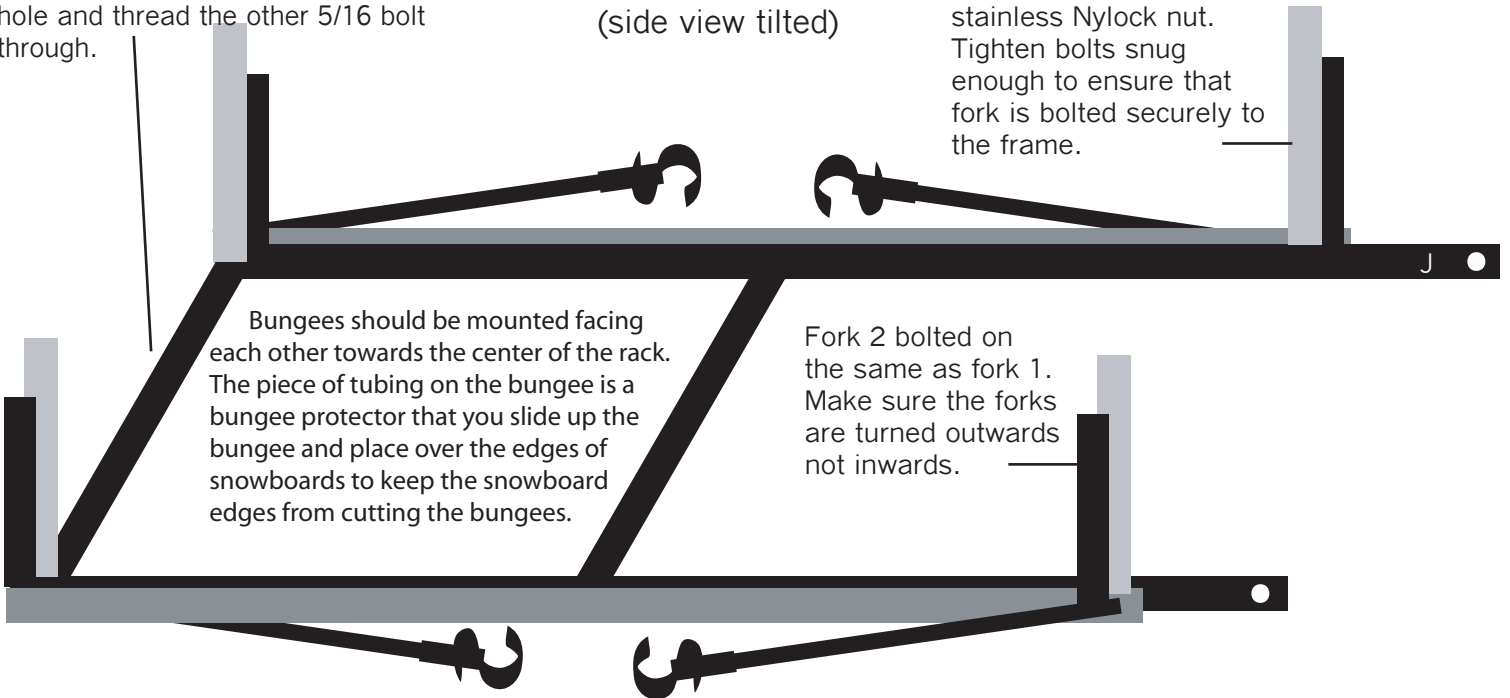
Assembled X-Rack (side view)

At times the powder coating or steel burs can prevent the bolts from easily lining up with the holes for the front forks. If this is the case you can use your 5/16 drill bit to ream out the holes so the bolts will go in easier. The bolts on the forks should be installed one at a time and then the forks can be rotated and flexed to allow the second hole to be lined up.

Back forks bolted on with one 5/16 bolt on each side. At times holes will appear to be off just a little bit. The arms of the main rack can be flexed slightly inward or outward to line holes up correctly. Just put a 5/16 bolt through one side and flex the sides of the rack out or in to line up the other hole and thread the other 5/16 bolt through.

Assembled X-Rack (side view tilted)

Front Fork 1- Bolted on using 5/16 stainless bolt, flat washers and stainless Nylock nut. Tighten bolts snug enough to ensure that fork is bolted securely to the frame.



Bungees should be mounted facing each other towards the center of the rack. The piece of tubing on the bungee is a bungee protector that you slide up the bungee and place over the edges of snowboards to keep the snowboard edges from cutting the bungees.

Fork 2 bolted on the same as fork 1. Make sure the forks are turned outwards not inwards.

This assembly is only for the main rack and not the support bar. Continue reading the installation instructions to learn the correct time to attach the support bar to the rack.

IT MAY ALSO BE HELPFUL TO WATCH THE INSTALLATION VIDEO OR VIEW THE INSTRUCTONS PHOTOS ON THE INSTRUCTIONS PAGE OF OUR WEBSITE AT www.x-rack.com/installation.php
 youtube channel: www.youtube.com/user/backcountryjibbers

Due to the differences in models of snowmobiles, Extreme Powder Gear has designed a rack that will accomodate many different types of sleds. Almost all snowmobiles have some common similarities. The attachment points of the X-RACK are based on those similarities. Almost all sleds have a bar at the back of the snowmobile which serves as a rear bumper and a handle that assists the rider in lifting the snowmobile out of a hole in the deep powder. The X-RACK is assembled into two separate peices: the main rack and the support bar. The support bar of the X-RACK attaches to the rear bar of the snowmobile by means of two ladder straps and ratchet buckles. The main rack rests on the support bar in the rear and the front part of the main rack attaches to each side of the snowmobile tunnel with clamping knobs and T-bolts.

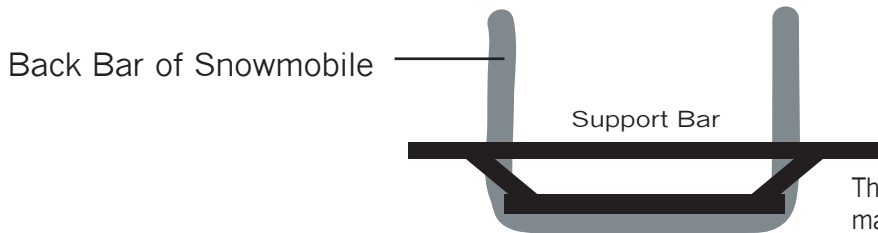
Each snowmobile is different so the the first step in mounting your X-Rack to your snowmobile is to determine the best place to attach the front of the rack to the tunnel of your snowmobile. There are several things to keep in mind when choosing the right positioning. First: you want to mount the rack as far forward on your sled as possible without inhibiting your ability to ride the snowmobile comfortably. Mounting the rack further forward on your sled allows the support bar to be positioned further back on the rack. This will add strength and durability to your X-RACK. Mounting is easiest on snowmobiles with longer tracks because there is more room to work with. Some snowmobiles may have a bolt that you may remove on the rear of the tunnel so you do not have to drill a new hole in the tunnel. (for the ski doo REV or Yamaha Apex. remove the front bolt on your mountain rack and use the supplied T-bolts to attach the front of the X-RACK to the snowmobile). For those snowmobiles that do not have a hole pre-drilled in the tunnel you will have to drill a hole in the tunnel for installation.

Tools needed:

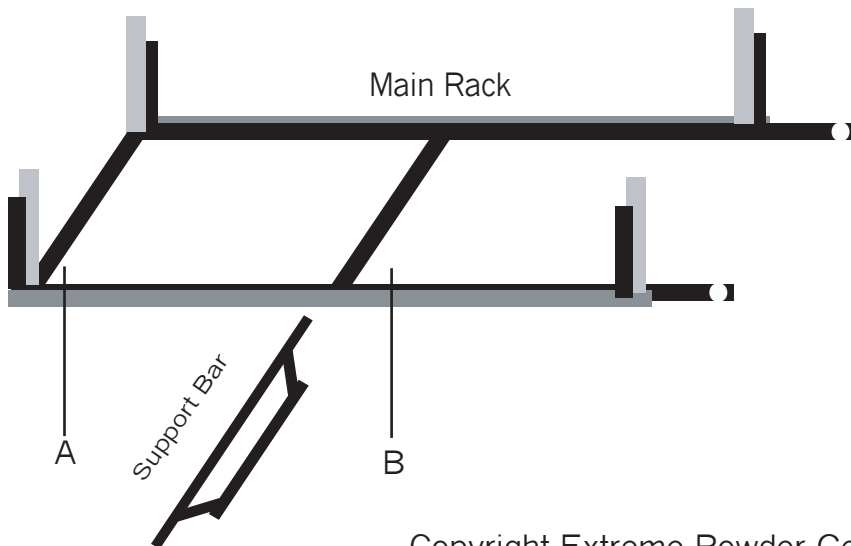
- *Drill with 3/8 and 5/16 bits
- *2 - 1/2in. wrenches or sockets
- one to secure one to tighten-
- *measuring tape
- *marker or felt tip pen



Target Area for mounting the front of the X-Rack to the snowmobile tunnel.



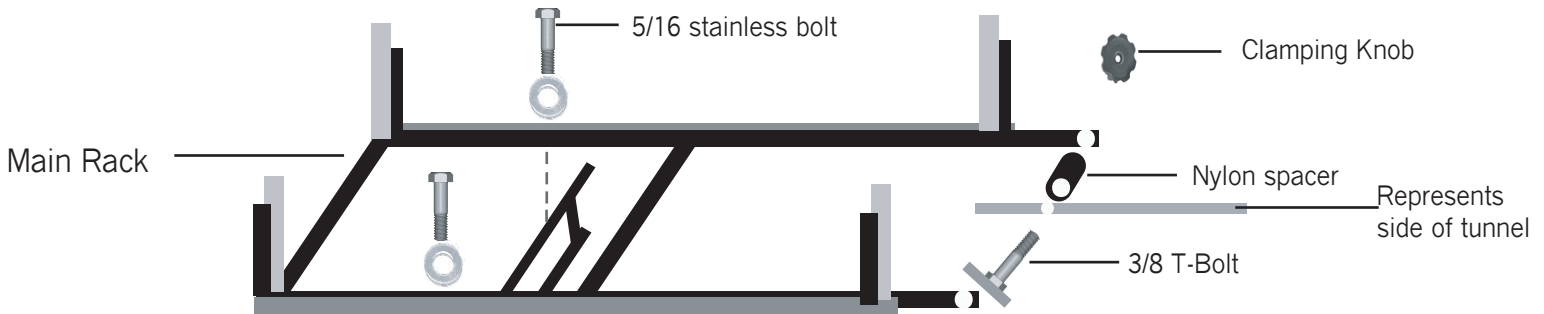
Support Bar of Rack rests squarely on the back bar of the snowmobile.



The Support bar may be positioned anywhere on the main rack between reference points A and B depending on the length of the snowmobile track. *The further back (A) on the rack you are able to mount the support bar - the better.* Short track snowmobiles will require you to mount the support bar further forward on the rack (B) while long track snowmobiles will allow you to mount the support bar near the rear of the rack (A).--note while mounting the support bar near the rear of the rack is favorable, keep in mind that when skis or boards are placed in the rack, they will extend yet further forward on the snowmobile and may inhibit the riders. It is best to place a pair of skis or a snowboard in the rack to determine the optimal positioning.

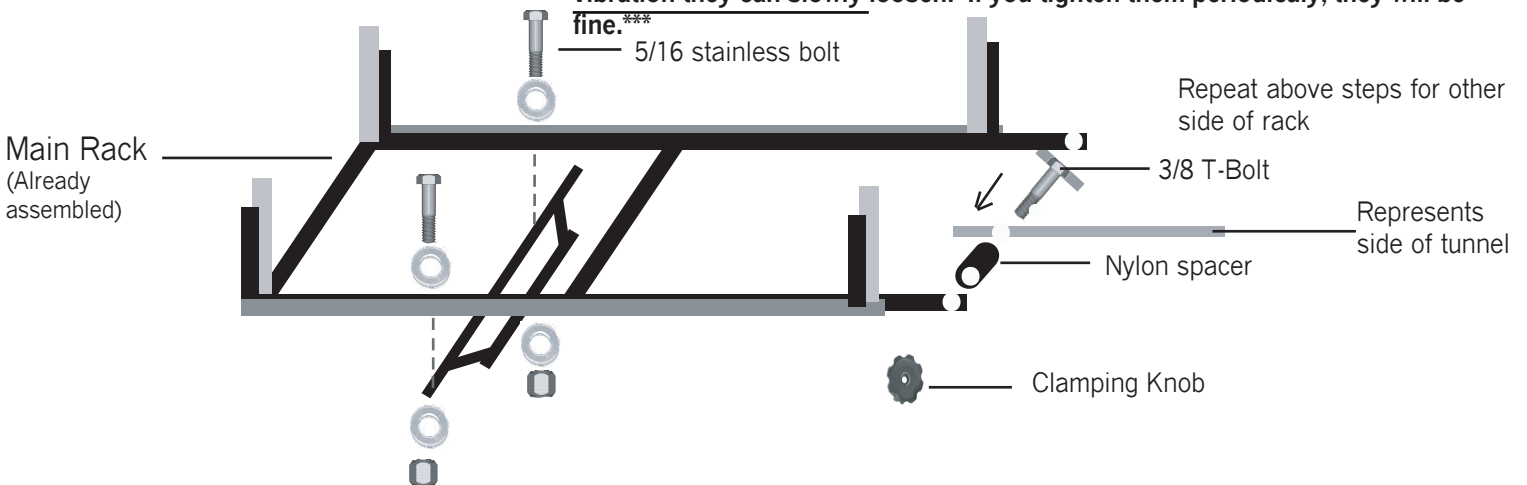
*** Before the support bar is attached to the main rack the front part of the rack must be secured to the tunnel of the sled.***

It is best to choose a spot on the tunnel that has two or more layers of steel or alluminum (this will ensure secure mounting). It is also a good idea to drill the hole within an inch of the top of the tunnel. (this will keep the T-bolt from turning as it will be secured by the top of the tunnel while tightening down your rack). After positioning the rack, mark a spot on the tunnel to mount the front of the rack. Before drilling any holes align the rack with the determined spot to make sure that the placement is adequate. Use a measuring tape to make sure that the holes are positioned equally on each side of the snowmobile. It is sometimes usefull to make a drill guide with a smaller bit or a punch and a hammer. When you are ready, use a 3/8 inch drill bit to drill a 3/8 hole in the side of the snowmobile tunnel. Make sure that you are carefull not to drill through any of the important components of the suspension or track. Some sleds run the cooling system down the rear tunnel and you need to make sure to avoid damaging these components. Next repeat this step for the other side of the snowmobile. Afterwards use the supplied t-bolt, spacers and clamping knob to mount the front of your rack to your snowmobile.



Pass the 3/8 x 3 in. T-bolt from the inside of the tunnel through the previously drilled hole in the tunnel. A variety of nylon spacers come with your rack to slide over the t-bolt between the tunnel and the rack to ensure a snug fit. Then pass the bolt through the side arm of the rack. A combination of spacers are sent with each rack. Each sled will use different spacers depending on sled width. Keep your extra spacers as spares.

Finally tighten the clamping knob down on the 3/8 bolt. The large clamping knob is used for easy removal of the rack when not being used for skiing or snowboarding. The clamping knob should be tight.*** **It is also important to check and tighten the clamping knobs each time you go out riding. The clamping knobs have nyock inserts to prevent them from vibrating off but if there is a lot of vibration they can slowly loosen. If you tighten them periodically, they will be fine.*****



With the front of the rack mounted to your snowmobile, you are ready to mount the support bar to the main rack. Make sure that the support bar is laying flush on the back bar (rear bumper) of the snowmobile** this step is much easier if the support bar is attached to the rear bar of the snowmobile using the provided ratchet straps.**Next rest the main rack flat on the support bar. Using the holes in the top of the support bar as a guide, use a marker or pencil to mark the correct spot on the main rack in which to drill the mounting holes. When ready, use a 5/16 drill bit to drill the holes through the main rack with which to attach the support bar.

Attach the support bar to main rack using 5/16 Bolt with 5/16 washers on each side and 5/16 nylok nut at the bottom. Snug each bolt down securely. You may want to recheck these bolts perioicly to ensure they remain tight.