



RHINO LEG PROTECTORS

TOOLS NEEDED: Powered Drill
1/8" drill bit
O size (.316) drill bit
Center Punch
Marker
Hammer
Ratchet
14mm socket
17mm socket
9/16 socket

14mm wrench
17mm wrench
8mm Allen wrench
or 8mm Allen socket

PARTS INCLUDED: 2 Leg Bars
4 Longer 10mm Bolts
4 Nylon Lock Nuts
4 Self Tapping Bolts



The first step to installing your new Leg Protectors is to remove the seat on the side you want to start with. We recommend doing one side at a time. Next remove the factory bolts that hold the front part of the roll cage to the chassis. Take 2 of the longer bolts and nylon lock nuts and install the bar. Just snug the two front bolts for now. The other side of the bar should be close to the final mounting point. Make sure the bar is aligned with the outer edge of the factory lower side bar. Position the back mount so it is resting on the center of the tube. Make sure to push down on the tube as shown below so it is fully seated and straight before marking the holes.

The lower part of the bar should be parallel with the lower bar of the chassis. You might want to use a clamp to hold it in place. Next, mark the center of the holes using a marker or the center punch. Once you are confident that the mark is in the center of each hole, use the hammer and center punch to put a small divot into the tube so the drill bit will not wander, and will drill exactly where you want it. You can leave the bar mounted, or remove it for the next steps.



Now you are going to drill the holes that you just marked. First, use the 1/8" drill bit (or something close to that size) to drill the two holes. Take extra care to make sure the drill is going perpendicular to the surface. The more care you take, the nicer the installation will look. Next use the letter O size drill bit (.316) to drill the holes out again. Again, making sure to keep the holes nice and straight. Once the holes are drilled, and all the burrs are removed, you can install the bar back onto the Rhino. Next, using the 9/16" socket and ratchet, and the 2 self tapping bolts, you need to thread them into the holes. Take special care when threading the bolts to make sure they are straight and perpendicular to the mounting plate. You will have to use some down force to get the bolts started, and they will take some extra turning force to cut the threads. The force required should start getting less as you move deeper into the hole. If you are having problems getting the bolts started, try running the drill back into the hole and rotating the drill slightly to make the hole slightly larger. You don't want to go too big, or you run the risk of the threads being weaker. Once the bolt is starting to cut threads, after about 2 turns, reverse directions about a turn, then continue to tighten. It is a similar process to using a thread tap. Make sure the bar is nice and straight and then completely tighten both bolts as well as the front bolts and nuts. Torque the rear bolts to about 25 ft/lbs, and the front bolts to about 40 ft/lbs.

Now you can repeat the process for the other side. Once the bars are installed, they should look like this.



CLEANING/ MAINTAINING:

The bars have a tough powder coat finish to last you years of fun. They can be cleaned using soap and water. The only maintenance that may be required is to periodically check the bolts that hold the bars in place and make sure they are tight.

LONE STAR RACING - 1424 E. BROADWAY RD. PHOENIX, AZ 85040
1-800-4LS-RACE WWW.LSRACING.COM