

Replacing a Rung on a Jacobs Ladder

What you will need:

- 1.) Electric Screw Gun
- 2.) Socket wrench with 1/2" socket and 9/16" socket
- 3.) Sawhorse
- 4.) Ratchet Strap
- 5.) Needle Nose Pliers



Step one: Use the 9/16" socket to remove the wheels attached to the rear base of the machine. This will give you more stability when you have the machine tipped back.



Step Two: Use the Electric Screw gun to remove the ABS plastic side skirting. Then tip the machine back so it is resting on the sawhorse.



Step Three: Use the socket wrench with the 1/2" socket to remove the poly plastic side rails from the machine.



Step Four: Use the Ratchet Strap to secure the rungs as pictured above. The rung in the middle is the one that you will be replacing. Tighten the ratchet strap just enough to take tension off of the sections of chain between the rungs. Over tightening may cause damage to the surrounding rungs.



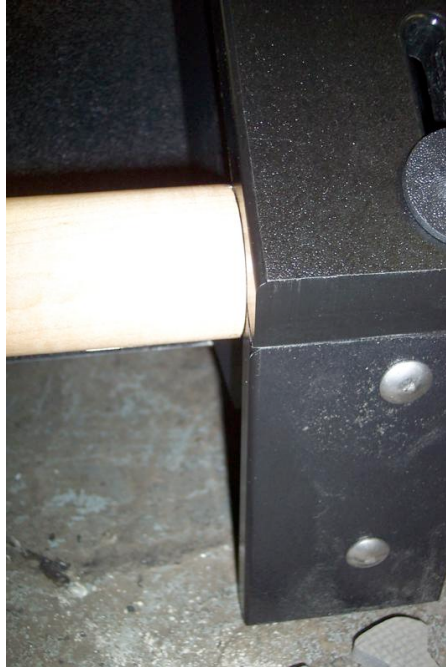
Step Five: Using the Needle Nose Pliers, remove the alligator clip and plate on the end of the rung.

***Please notice the direction in which the alligator clip (pictured above) is facing. When re-attaching these clips, always have the closed end of the clip facing the foot of the machine and the open end facing the top of the machine.



Step Six: Slide the chain off of the end of the rung; repeat this process for both sides of the rung. Remove the broken rung and replace with the new rung.

***Always fully attach replacement rung before removing the ratchet strap; failure to do so may damage the pins on the end of the rung.



Step Seven: Replace Poly sides. Make sure poly sides are positioned so they are as tight on the rungs as you can get them without pinching them. If the gap between the ends of the rung and the Poly side is too small, it may cause the machine to bind up or run awkwardly. If the gap is too great, it is likely the rungs may come off track.

Step Eight: Tension the Chains. Follow the link below to view a video on tightening the chains on the Jacobs Ladder.

Tightening Chains

http://www.youtube.com/watch?v=c3xIA_Z_74E