

# Ladder Stabilizer Mount

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August 31, 2014

We all know what ladder stabilizers are - they give extension ladders out-stretched arms that position the top of ladder away from the wall or roof.

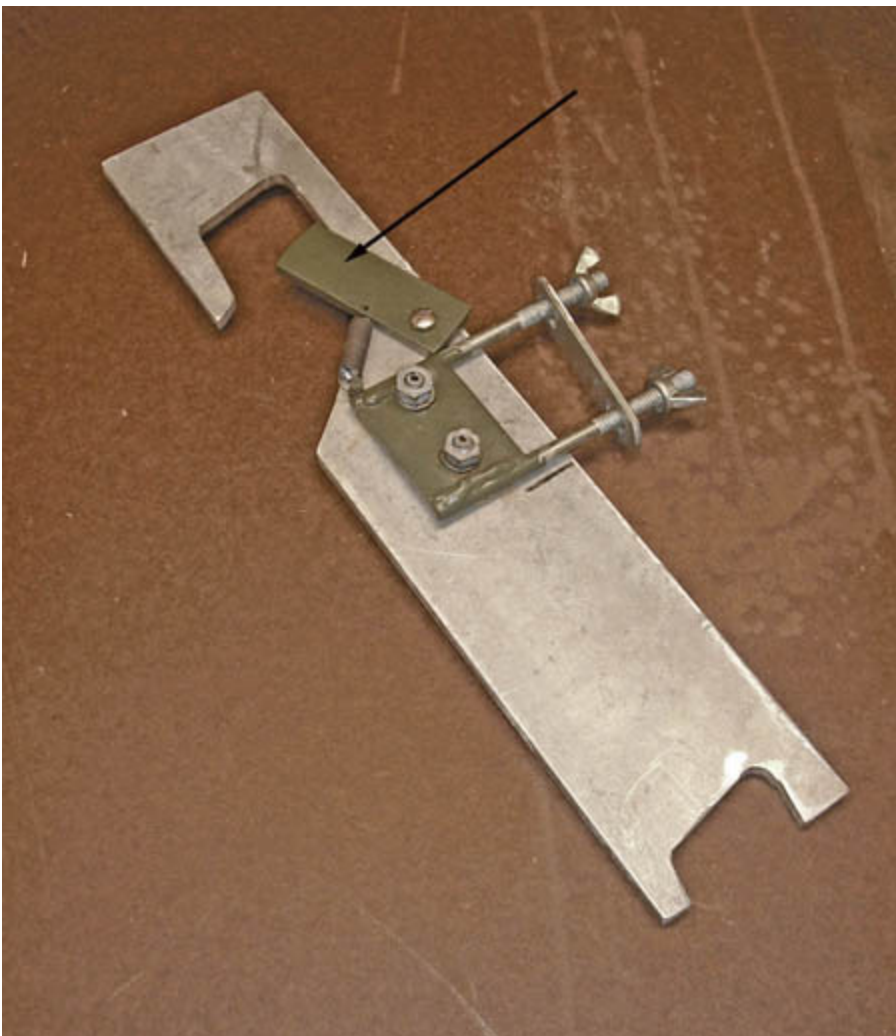
They can be very useful but putting one on a ladder and removing it is something of a nuisance. The process involves U-bolts and wing nuts, and isn't difficult or tricky, but is a bit awkward. Enough so that I was motivated to make something better.



This is my solution. A bracket that is permanently attached to the stabilizer and which goes on and off the ladder quickly and easily.

The studs and wing nuts attach it to the stabilizer and the bracket cutouts sit on ladder rungs. The arrow points to a gate that swings out of the way for putting on and off the ladder, but blocks the bracket from moving otherwise.

This was the original version and it worked very well. Much better than original versions usually work for me. Its deficiency was its weight. Which is only a pound or so, but two of them on the end of a 32' ladder make a difference.



This is the second version. Weight reduced by using 18 ga steel instead of 1/4" aluminum plate, 1/4" studs welded to the plate, and a smaller gate. The weight was cut in half and is an acceptable size. The 18 ga steel was made stiffer by bends along the edges.

The gate spring was also simplified. The gate screw threads into a nut welded to the back, with a jam nut to secure it without tightening down on the gate.





Mounted on a stabilizer.



On the ladder. It can be seen how the brackets simply slide onto the rungs. There is nothing to adjust, or tighten - it just sits there, restrained by the rungs, the gate, and the side rails. To remove, a finger on each hand pushes the gates back and the brackets slide off. On or off in literally seconds.



You're probably thinking "Jeez, that looks pretty flimsy to me." And you might be reluctant to trust it. But the thing is that there are very few forces on the bracket. Mainly because the stabilizer is perpendicular to the ladder, so there are no up, down, sideways, or rotation forces. Just the stabilizer pushing directly on the ladder. I have used it a number of times, including having it on a fully extended 32' ladder, and it has never given me cause for concern.