

Making A Planer Blade Sharpening Jig

This is my second form of a planer blade sharpener, the first functioned admirably, yet is somewhat cumbersome and had some different issues. It was likewise made for the planer blades I was utilizing around then, which were thicker than the ones I use now.

To begin and to make the dance as straight and unbending as conceivable where it holds the blade, I cut a bit of point steel to about 12" long:

To expel any knocks or different abnormalities, I sanded it level utilizing a strip (really an old 2x72 belt from my belt processor) of sand paper on my level table saw top:

I bored two 3/16" gaps for screws and attached the point to a bit of hardwood. The hardwood is cut 12" long and 3/4" square, and is in a bad way on so it fixed up flawlessly with the edge of the point steel:

Another bit of hardwood is sliced to measure for the cinch that will hold the cutting edge. It is 12" long, 1-1/2" wide and 1/2" thick. I cut a shallow rabbet in it for the sharp edge to fit into and utilized five wood screws to attach it to the dance:

The screws are fixed to cinch the edge, and extricated to expel it.

Next, I made an arm that is sliced to a 45 degree edge toward the end. It is 3/4" pressed wood and I utilized 5 moment epoxy to append it to the dance:

I propped up the arm on the opposite end to get the edge right. It shouldn't be immaculate, the primary concern is that the point is near 45 degrees and that the arm is on a similar plane as the sharp edge. Joining the arm with it on the level table saw helps keep it arranged.

To fortify the joint, I included a little bit of 1/2" pressed wood and utilized ordinary wood stick.

The arm rides on a strip and that can be produced using anything, however I had a bit of UHMW plastic on my timber rack that was about the correct size.

The dance is presently completed, however I cut the arm shorter to make it increasingly minimized. I set up the dance on a bit of 5/8" melamine as a level surface and I'm utilizing a major, two coarseness stone for the honing.

To lube the stone and wash away the swarf, I'm simply utilizing a splash cleaner, however any sudsy arrangement would work.

It takes around 5 minutes to reestablish the edge, first on the coarse coarseness side of the stone, and after that on the fine side.

These blades were not so great and had some profound scratches that couldn't be ground out, yet the remainder of the cutting edge turned out extremely sharp and cuts great.

The best methodology is hone the blades when they begin to get dull and not let at that point get this terrible. Doing it that way would remove less time and granulate less of the edge. These blades are expendable and for this machine (Dewalt DW735) shouldn't be honed, yet I figure one or conceivably two wouldn't do any harm, insofar as I'm mindful so as to pound every sharp edge similarly.

This dance can likewise be utilized for jointer cuts and can be made uncommonly for a certain length – 8" long for 8" sharp edges, etc.

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