Chop Saw Dust Hood #1: Top, middle rail, and back glued in place

Blog entry by BlankMan posted 11-25-2009 02:34 AM 35832 reads 41 times favorited 14 comments Unwatch edit
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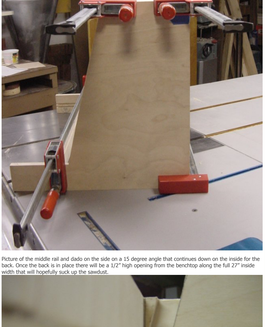
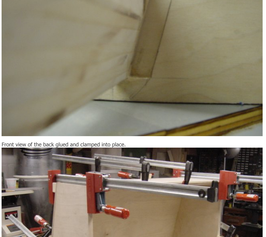
Well Sunday I finally got around to start building a new dust collection hood for behind my new miter saw. I had one behind my old miter saw but this new saw is wider and I had to redo the bench for it to fit thus making the old hood too small to cover the area needed. Been without one for about a year because I also picked up the Delta 12" BAS and had to redo the bench for that to fit also. So I wasn't about to build just another one for the BAS and not the new miter saw. Anyway I'm using 3/4" Birch ply for the sides and 1/2" grade out of Baltic birch plywood. It's wide enough to cover capturing the sawdust even when the saw is at 45 degrees in either direction. If all goes well I'm hoping to have it done by the weekend. Then I'll vacuum up all the sawdust that has accumulated behind the bench one last time and put it in place.

Front view with the top and middle divider rail glued and clamped in place.

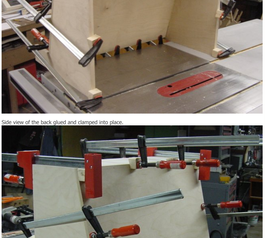
Side view of the same glue up.



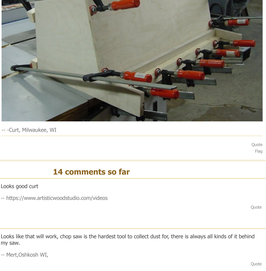
Picture of the middle rail and dado on the side on a 15 degree angle that continues down on the inside for the back. Once the back is in place there will be a 1/2" high opening from the benchtop along the full 27" inside width that will hopefully suck up the sawdust.



Front view of the back glued and clamped into place.



Side view of the back glued and clamped into place.



-- -Curt, Milwaukee, WI

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14 comments so far

a13m
home | projects | blog
10896 posts in 4969 days
#1 posted 11-25-2009 02:55 AM
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Looks good curt

-- https://www.artisticwoodstudio.com/videos

Quote

gmorteng
home | projects | blog
122 posts in 4376 days
#2 posted 11-25-2009 07:14 AM
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Looks like that will work, chop saw is the hardest tool to collect dust for, there is always all kinds of it behind my saw.

-- Mert,Oshkosh WI,

Quote

Patrick
home | projects | blog
21 posts in 4376 days
#3 posted 11-25-2009 10:31 AM
Flag

Nice work Curt. I need to make one for my saw.
Patrick ~ Milwaukee

-- Patrick - OCFB

Quote

Jim Jakosh
home | projects | blog
26901 posts in 4369 days
#4 posted 11-25-2009 11:17 AM
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Hi BlankMan. Nice hood. I know what you mean about the dust from the miter saw. Mine was the dirtiest tool in the shop. I always had to sweep up about 4" of dust behind it. I was going to post mine too when I get some pictures.

Great Job!!!!!!!!! Necessity is the mother of invention.

-- Jim Jakosh.....Practical Wood Products.....Learn something new every day!! Variety is the Spice of Life!!

Quote

lightweightlightyfatty
home | projects | blog
3661 posts in 4576 days
#5 posted 11-26-2009 01:00 AM
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Thanks for the inspiration!

-- "Those who would give up essential Liberty, to purchase a little temporary Safety, deserve neither Liberty nor Safety." Benjamin Franklin -- Jesus is the ONLY reason for ANY season.

Quote

oldartin
home | projects | blog
1 post in 4223 days
#6 posted 04-19-2010 01:49 PM
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The picture links are no longer active. I'd love to see them. I watched the video of the dust collector working, and I'd like to see more.

Thanks!

Quote

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#7 posted 04-19-2010 02:01 PM
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oldartin, yeah, thanks for the report. Went to the dark side, switched to AT&T as a internet provider over the weekend, they're interpretation of static IP configuration and no ports blocked differs from the definition that the rest of the world uses. Pretty much expected this was going to happen based on previous dealings with Ameritch, SBC, and now AT&T, the name may change but their core operation hasn't, they are challenged to no end to get it right, very seldom the first time.. Yesterday most things were working, today they're not, there's always tomorrow I guess. Last night they fixed one thing, looks like they broke two others (that I am aware of) that were working, one being port 80 ergo no access to the web server hence no pictures..

Check back every so often, working on resolving this...

-- -Curt, Milwaukee, WI

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#8 posted 04-21-2010 04:32 PM
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Well, I think the picture problems have been resolved hopefully for good. If they disappear again I'd definitely like to hear.

-- -Curt, Milwaukee, WI

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upnorth
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1 post in 3990 days
#9 posted 04-09-2011 06:46 AM
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What happened to the pictures ? Not very usefull withouth pictures...

Quote

Simatal
home | projects | blog
5 posts in 3663 days
#10 posted 05-31-2011 12:18 PM
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Do have a rough set of dimensions of the side piece? Trying to puzzle out a few things but my spatial sense is not so good. :)
Adapting your design to a DWT35 and my vent system comes from below. Trying to determine the best fix fro that as well.. It is the best I have seen

Quote

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#11 posted 10-31-2011 10:54 PM
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Thanks. The dimensions were governed strictly by where it had to fit. If you look at Part 6 of the blog you can see it had to fit between two machines and under a shelf. So I don't know that my dimensions would be the best for you but I'll measure it if you like. Make it big to cover the swing of the saw and high as you can. I had to cut out it's top so to clear the saw and allow it to swivel because I couldn't go taller then the saw due of the shelf. The slope of the back is 15 degrees I think so that the sawdust would hit it and angle down towards the suction.

-- -Curt, Milwaukee, WI

Quote

brad33
home | projects | blog
1 post in 2995 days
#12 posted 01-06-2012 06:50 PM
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Where do you attach the suction for the hood? I did not see it in any pictures.

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#13 posted 01-06-2012 08:27 PM
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Brad, there's a picture in Part 3 of this blog showing the port glued in place (the black thing) and of it connected in Part 7.

-- -Curt, Milwaukee, WI

Quote

Duke407
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1 post in 78 minutes
#14 posted 11-10-2021 04:48 PM
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I cannot see any pics. Can you possibly send me the pics to my email.account at: cs9407@gmail.com

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