

Chop Saw Dust Hood #3: Outlet & Saw Swivel Clearance

edit

Part 4: [Plumbing To Connect The Chop Saw's Dust Port](#)



BlankMan

[home](#) | [projects](#) | [blog](#)

1491 posts in 4616 days

VIEW BLOG ARCHIVE


[RSS FEED](#)




By subscribing to the RSS feed you will be notified when new entries are posted on this blog.

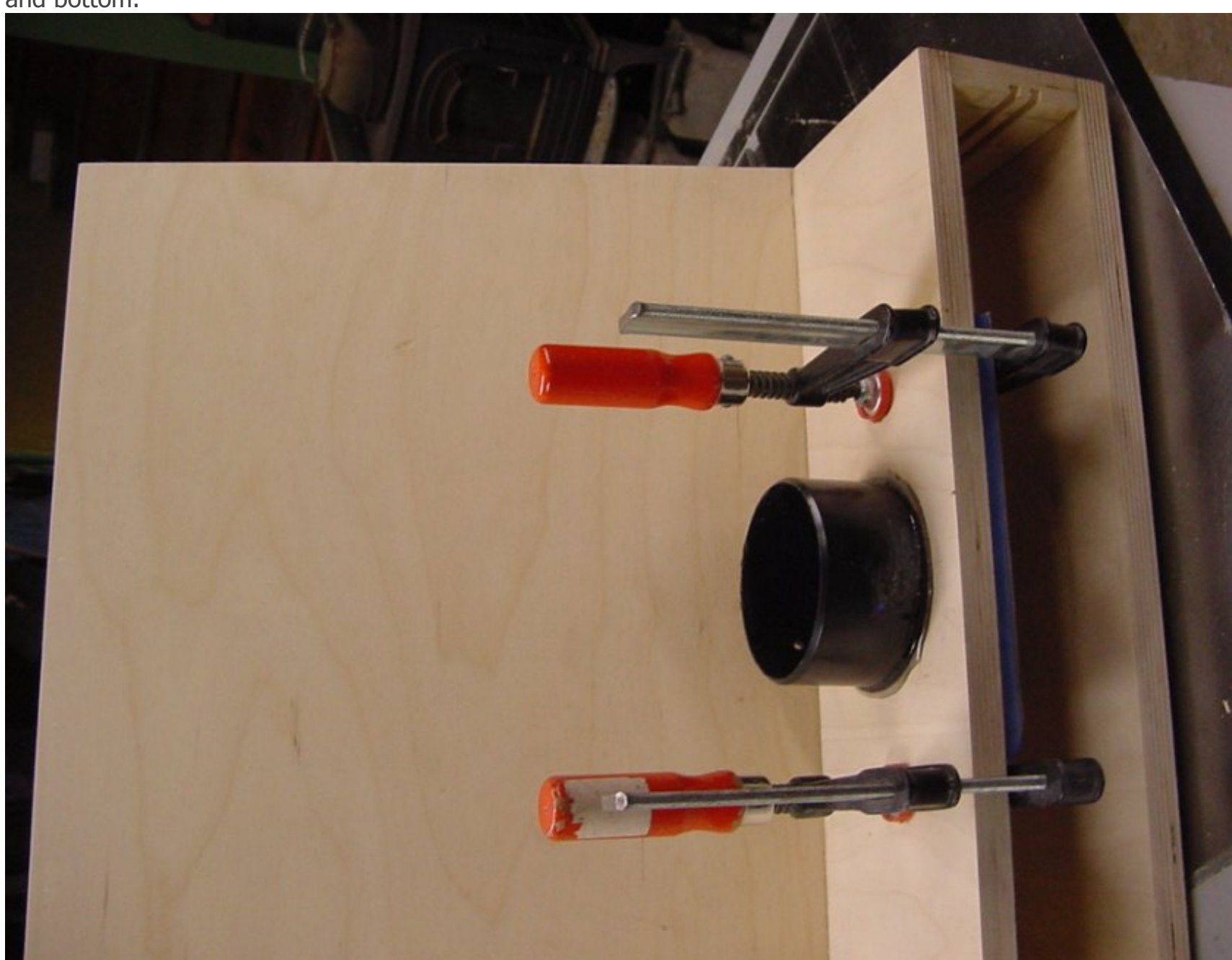
project progress miter saw

Installed a Byrd Shelix
Cutterhead in my DeWalt DW735

Well, I didn't get to spend as much time over the 4 day Thanksgiving Holiday weekend as I wanted to working on this but I made some progress. I was actually hoping to have it done but not having the time and having to determine and make the template to do the cutout for the saw swivel clearance took a while. The cutout is not a continuous arc of the same radius because you need clearance for the guard here, the handle there and then the motor. And determining where to put the outlet was not a piece of cake either. When the hood is in place against the wall I can't get behind there nor see back there very well let alone measure. The pipe it will connect to is only 2" above the top of the outlet so I didn't have a lot of room to error that the hose could make up for. So I've got the outlet connection installed and I have the clearance for the saw cut in the top.

Oh, and, while I was working on the template for the swivel clearance I had the hood and chop saw in place on the bench so I hooked it up (that was not easy either) and did some test cuts. The distribution of the vacuum across the entire 27" was good. The sawdust was sucked up along the whole length and when I ran my hand along it to feel the suction it felt pretty even. When this is all done and permanently in place I'll do a video of it for people to see its performance. It's looking like the plenum chamber and the divider board idea paid off.

Here's the outlet glued in place. The clamps are holding a board with masking tape on it under the outlet to hold it in place while the glue dries. The outlet is a 4" connector used to splice two sections of hose together that I had laying around. I cut it off 3/4" past the point where the hose slides onto. I used a 4-1/8" hole saw to cut the opening for it and glued it in place using plumbers PVC glue. I've used this glue in the past on other hoses and it bonds the plastic to the wood very well. Unfortunately my PVC glue was rather old I found out when I went to do this, it was kind of thick and the stores were closed so I used it. It did seem to bond well after letting it dry overnight but just to be sure once it dried I ran a bead of 5-minute epoxy around the top and bottom.



Here's the template I made to do the cutout for the saw swivel clearance clamped in place. I roughed it out with a jig saw then used a top bearing flush trim bit on my laminate trim router to clean it up.



-- -Curt, Milwaukee, WI

Quote
Flag

2 comments so far

blockhead

[home](#) | [projects](#) | [blog](#)

1475 posts in 4572 days

#1 posted 12-03-2009 04:37 PM

Flag



Looking good Curt. I will definitely be doing something like this soon. Looking forward to the next installment.

-- Brad, Oregon- The things that come to those who wait, may be the things left by those who got there first.

Quote

BlankMan

[home](#) | [projects](#) | [blog](#)
1491 posts in 4616 days



#2 posted 12-03-2009 04:52 PM
Flag

Thanks. Hopefully the next installment will be coming tonight. But I've been saying that to myself every night this week so far but something else has always come up. My intention was to have it done over the Thanksgiving weekend. Now it's already next week. Sheesh!

-- -Curt Milwaukee WT

Quote

Have your say...

BlankMan
[home](#) | [projects](#) | [blog](#)
1491 posts in 4616 days

+ View the posting rules

B

I

↻

img

[show formatting reference](#) | [pictures & videos friendly](#)

PREVIEW

I need more room

Open **mini-browser**

 photobudjet

Lumberlocks Pulse - all activity active in last 30 days

[Go to Pulse page »](#)

	Author	Latest activity	New comments or replies since you last checked
F Shop tool Swap 2021	Keebler1	11-10-2021 06:00 PM	never checked
F Show the restoration before and after.	Don_W	11-10-2021 05:51 PM	7713 new in last 3529 days
P Mutt and Jeff.	Roman - THE BOOTMAN	11-10-2021 05:48 PM	never checked
R Gift of a Lifetime	DevinT	11-10-2021 05:47 PM	never checked
F How should I go about repairing these pool table legs?	BeerBrewer	11-10-2021 05:44 PM	never checked
F Q1 Charger for floating bedside tables.	CyrdNDust	11-10-2021 05:41 PM	never checked
F Off-topic content. Click to see the post.	stevejack	11-10-2021 05:26 PM	never checked
F Off-topic content. Click to see the post.	woodbutcherbynight	11-10-2021 05:13 PM	never checked
F Question about veneering archtop guitars	Tony1212	11-10-2021 05:09 PM	never checked
P F1 Race Car Out Of Walnut And Maple	RickSanchez	11-10-2021 05:09 PM	never checked



HomeRefurbers