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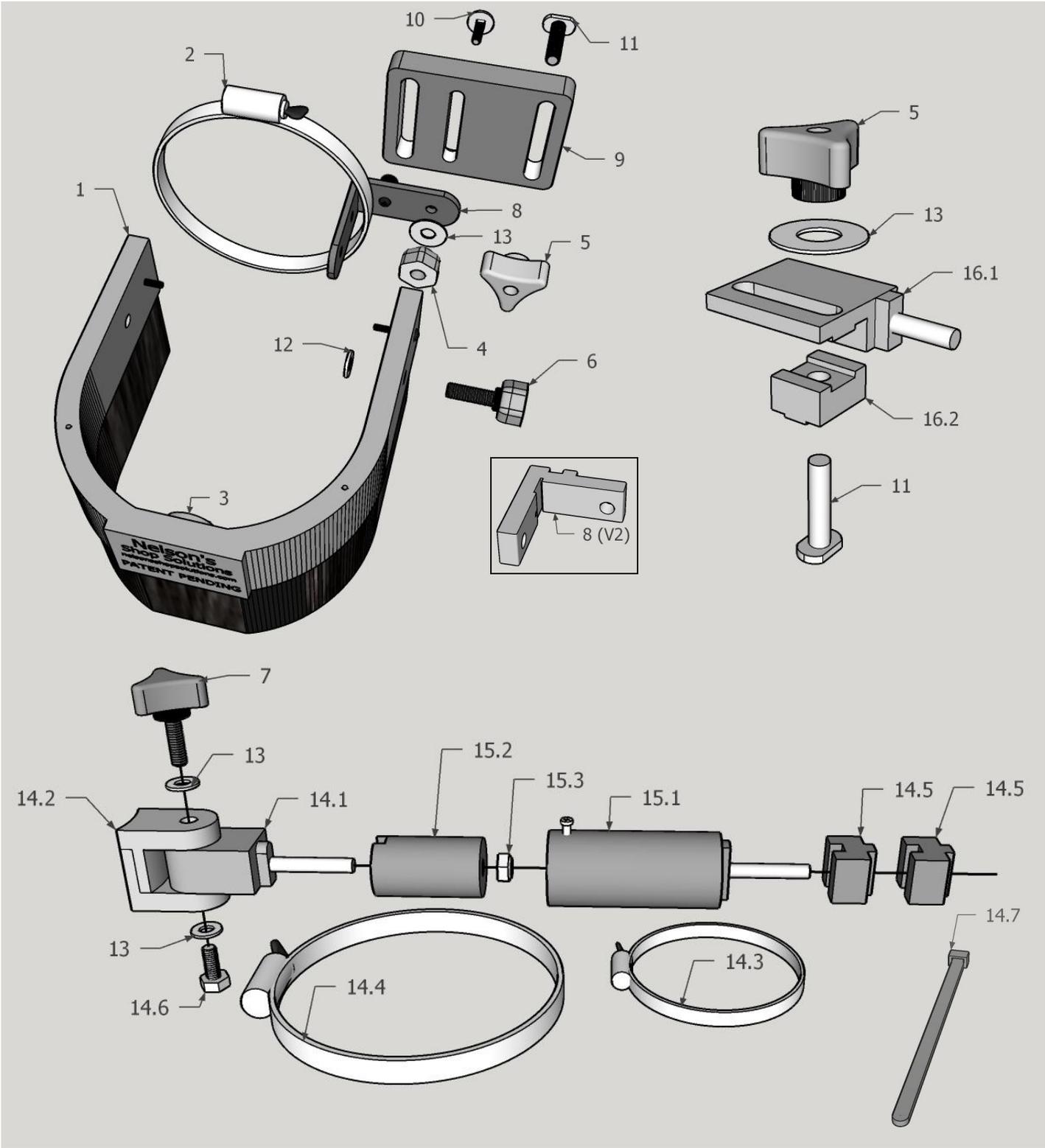
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Parts List

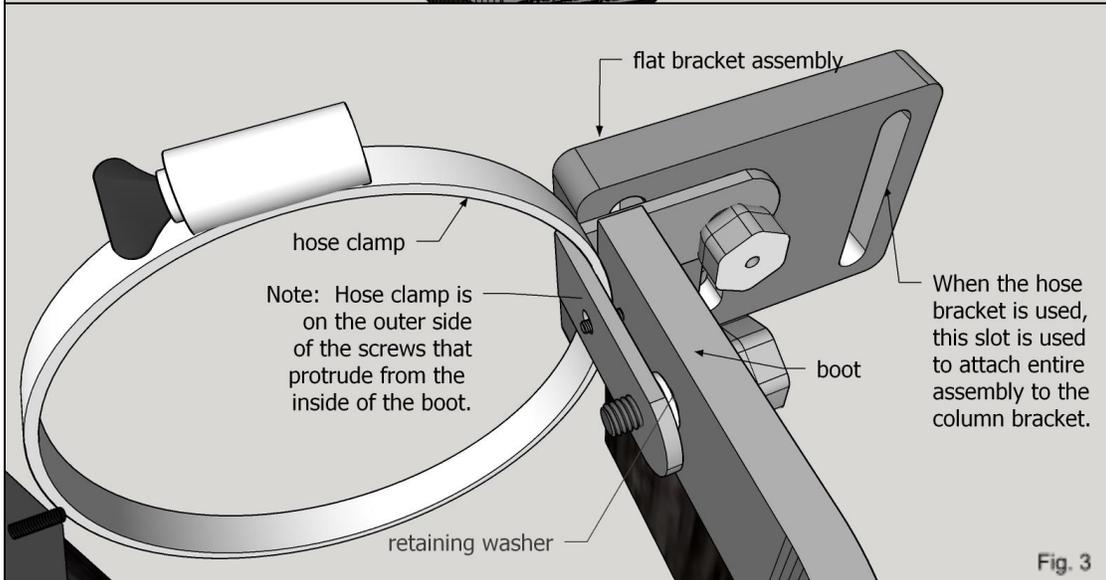
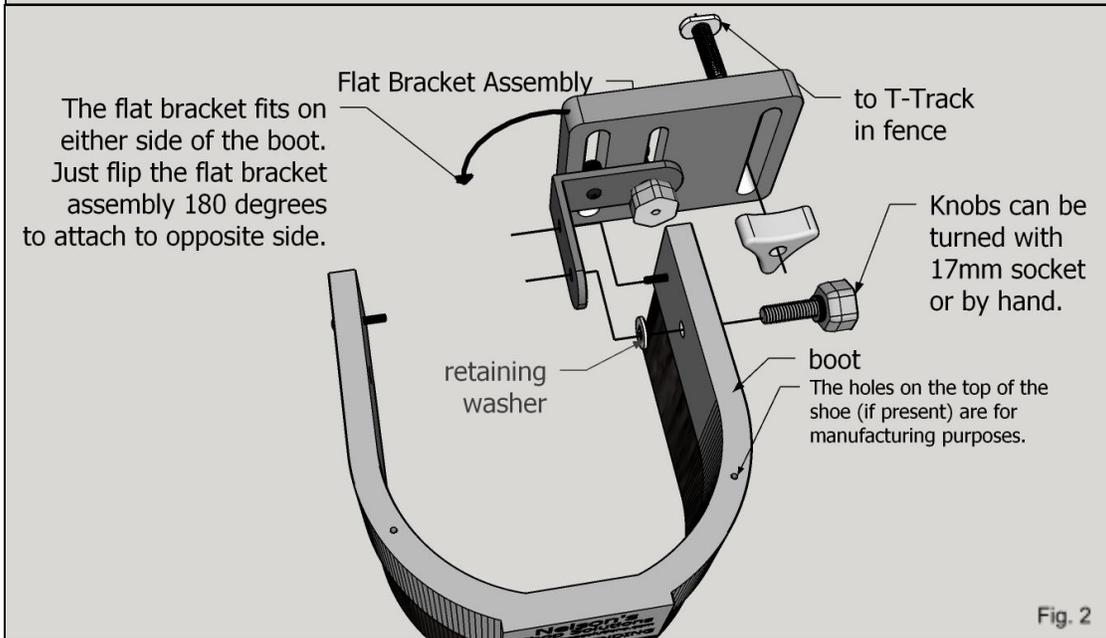
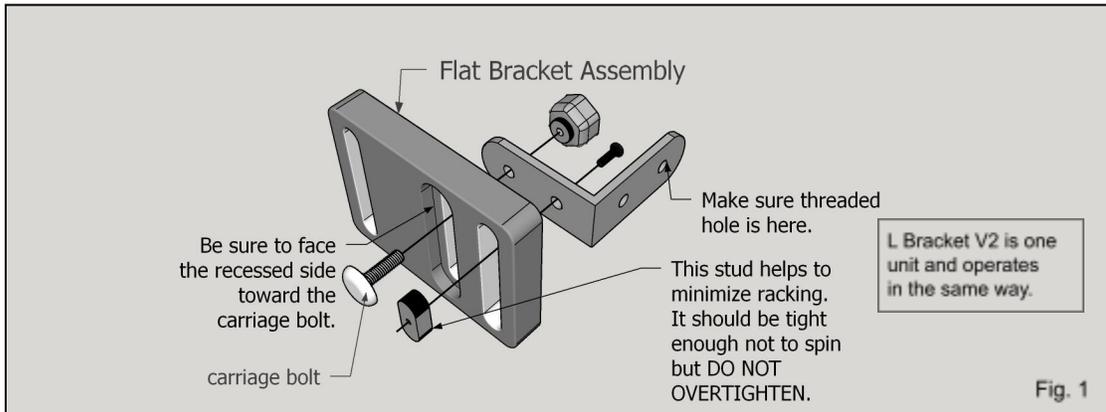
#	Description	Qty.	Notes
1.	Boot	1	
2.	Hose Clamp (blue thumbscrew)	1	Use with hose only (not column).
3.	Light	1	These are disposable. See manual for info.
4.	Small Through Knob	1	
5.	Large Through Knob	2	
6.	Small Screw Knob	1	
7.	Large Screw Knob	1	
8.	L-Bracket	1	Original L-Bracket Assembly is shown in this manual. Version 2 (V2) is shown as an inset.
9.	Flat Bracket	1	Flip ↺ to use on opposite side of boot (1)
10.	Carriage Bolt	1	
11.	T-Bolt	1	
12.	Retaining Washer	1	Included with original L-Bracket assemblies
13.	Flat Washers	4	
14.	Column Bracket Assembly 14.1 Arm 14.2 Carriage 14.3 Small Column Clamp (blue thumbscrew) 14.4 Large Column Clamp (metal thumbscrew) 14.5 Spacers 14.6 Hex Bolt 14.7 Zip Tie	1 1 1 1 2 1 1	There are two column clamps in the kit - a large one (14.4) with a metal thumbscrew and a small one (14.3) with a blue thumbscrew. Pick the one that fits your drill press column the best. The zip tie (14.7) included in your kit is used to hold the excess clamp strapping down to make loosening and tightening the column clamp easier (it keeps the strapping out of the way of the thumbscrew). Leave enough slack in the zip tie so it is easy for the strapping to pass through it.
15.	Column Bracket Extender 15.1 Sleeve 15.2 Core 15.3 Lock Nut	1 1 1	These parts may or may not be needed. Check your fit to see if you need these parts to extend The Extractor out far enough to be centered under your chuck.
16.	Top T-Track Adapter 16.1 Slider 16.2 Base	1 1	For use with drill press fences with top t-tracks.

Parts Diagram

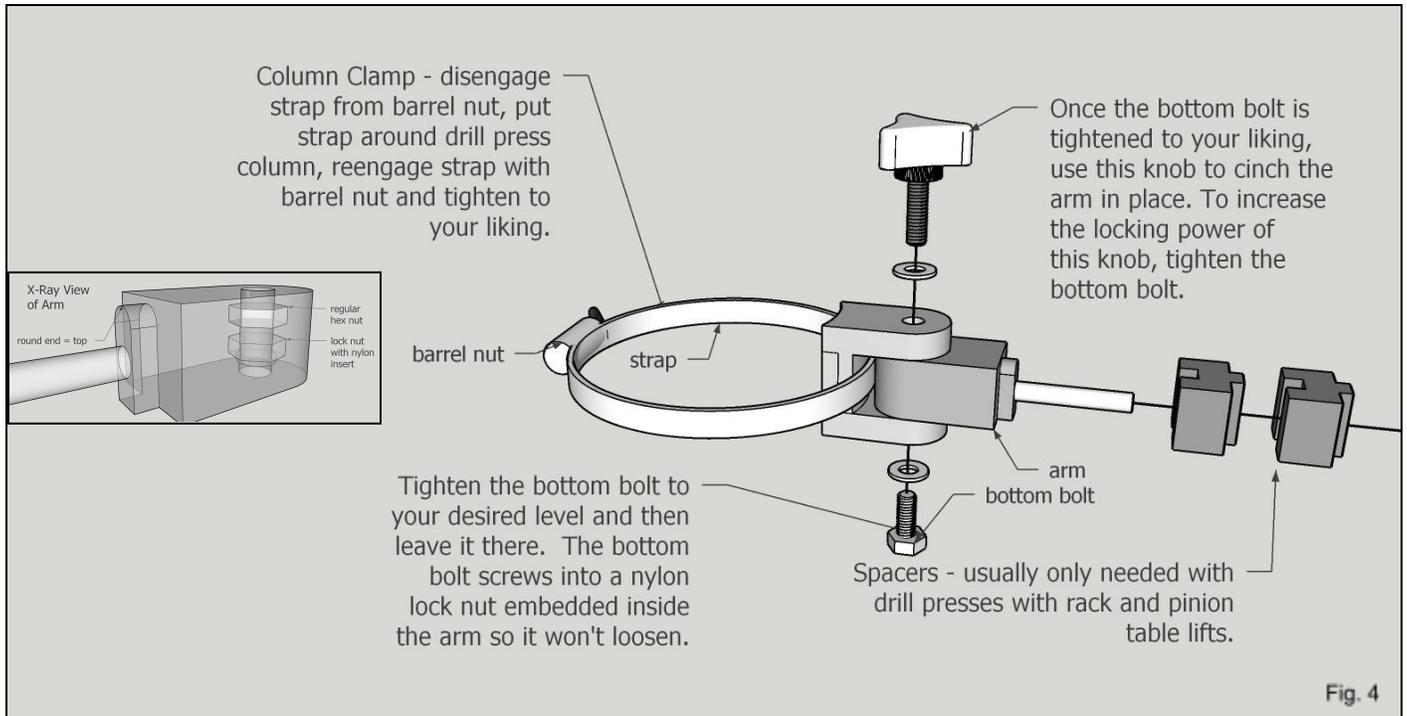


Assembly

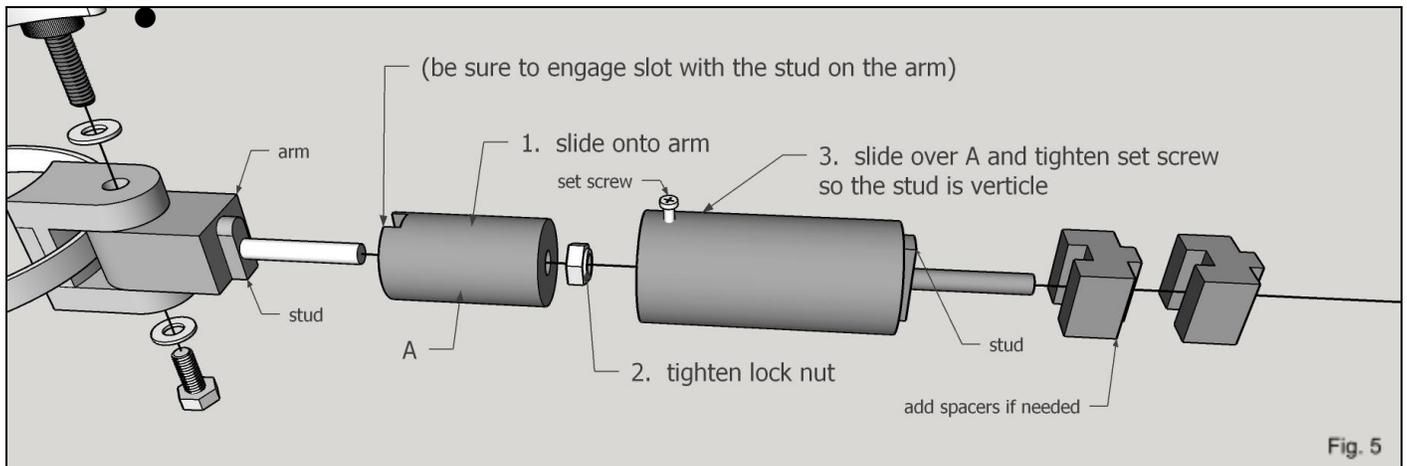
The Boot and Flat Bracket



The Column Bracket

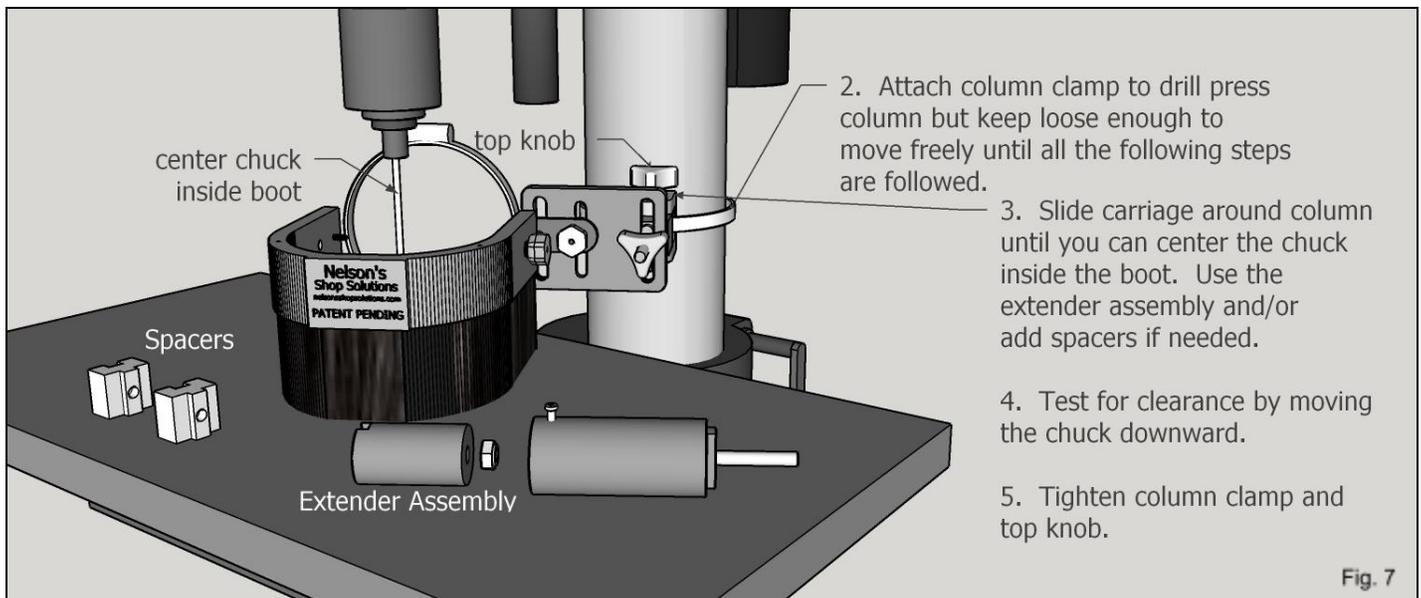
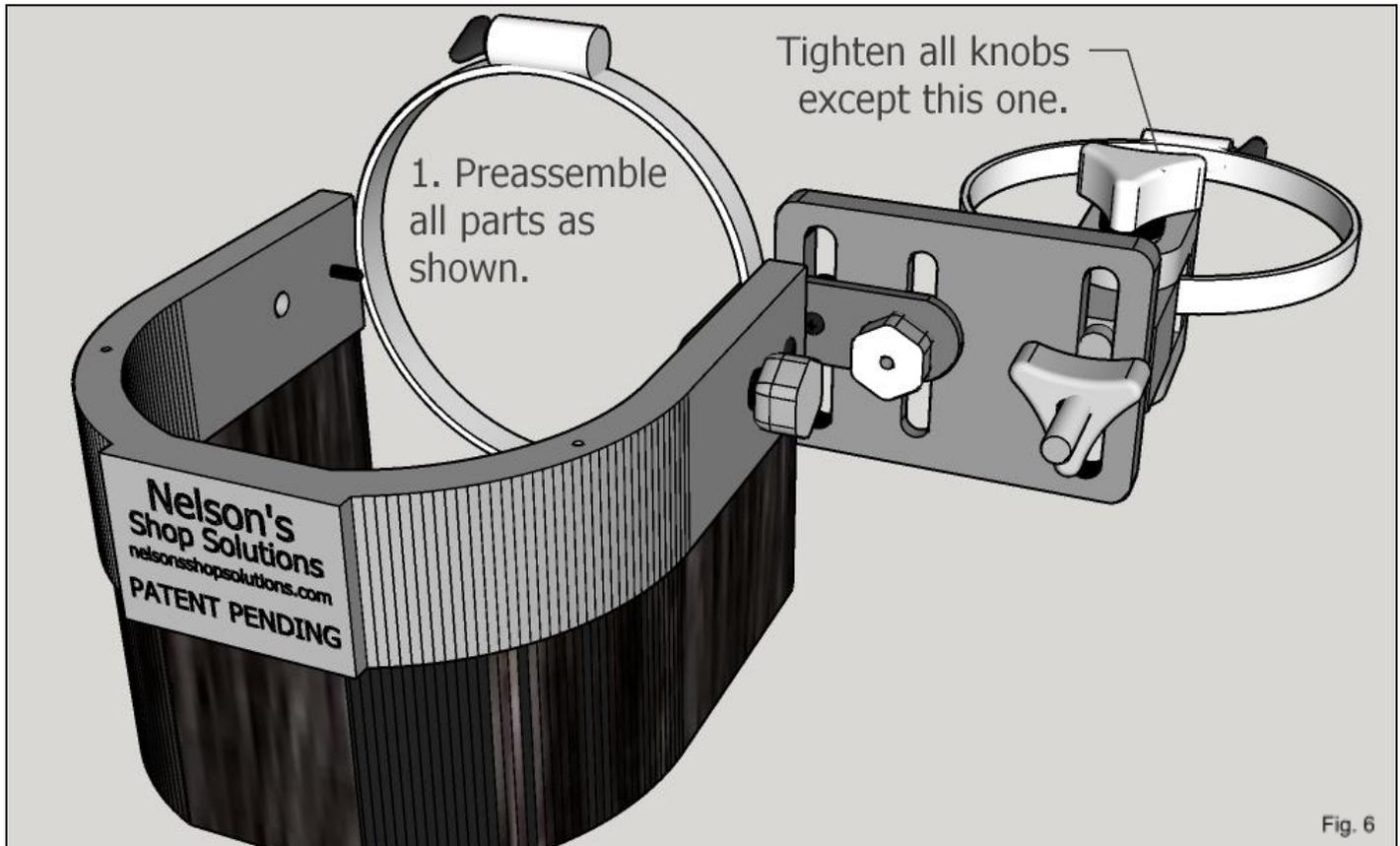


Extender Assembly Instructions

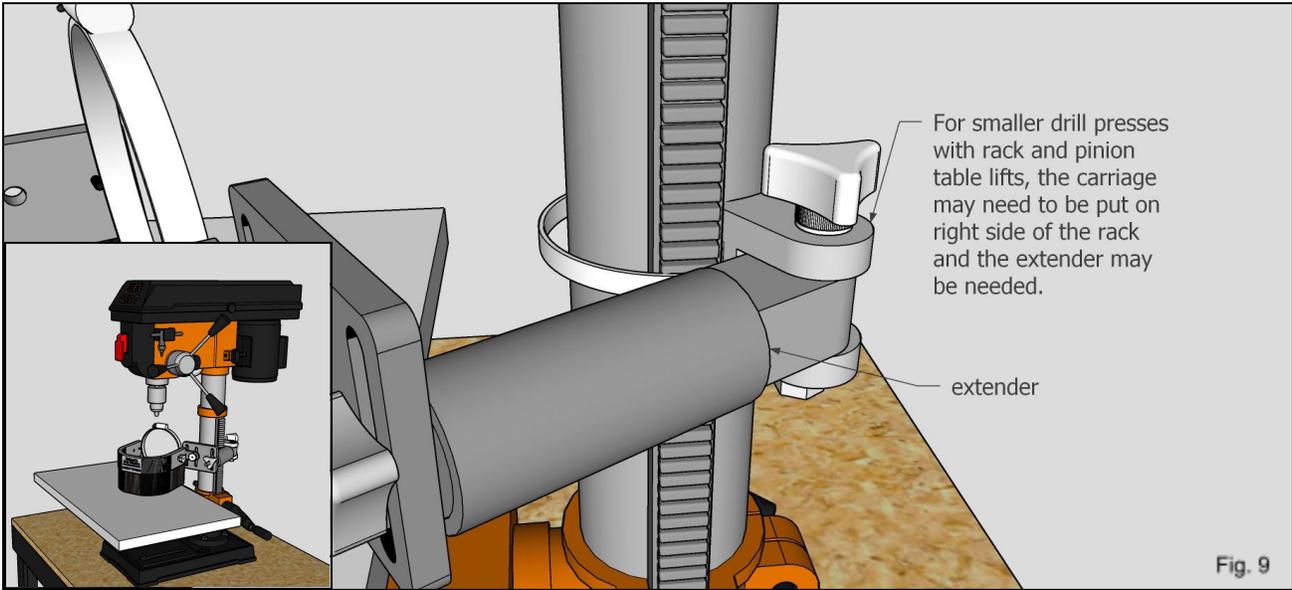
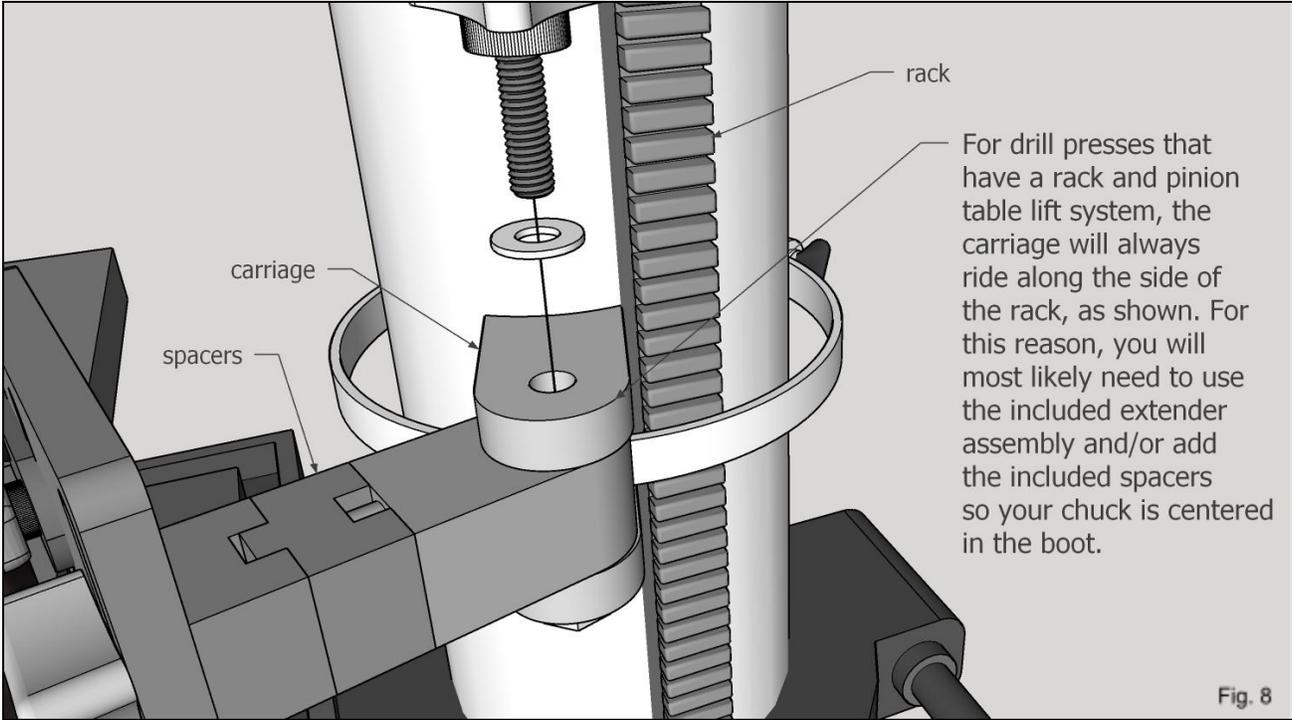


The extender assembly is needed in situations where you cannot center the boot under the chuck. This happens with very large drill presses and drill presses with rack and pinion table lifts of all sizes.

Attaching The Extractor to the Drill Press Column

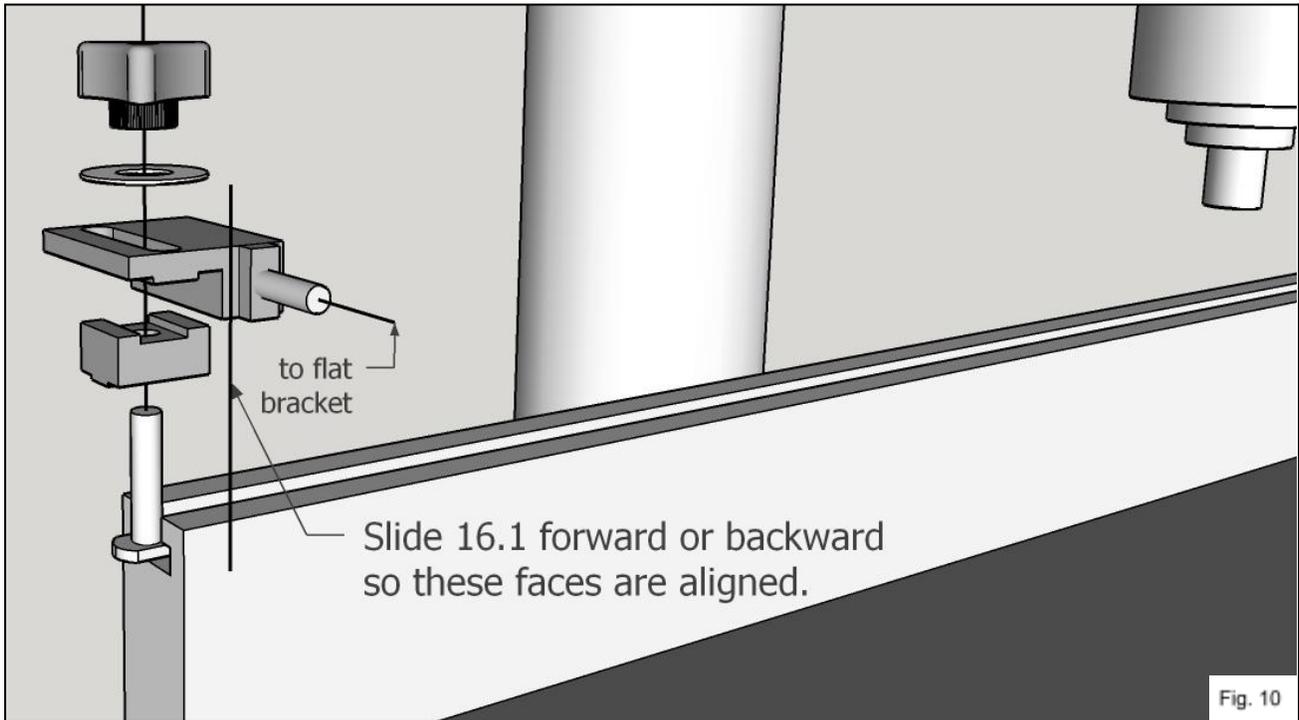


Rack and Pinion Mounting Instructions

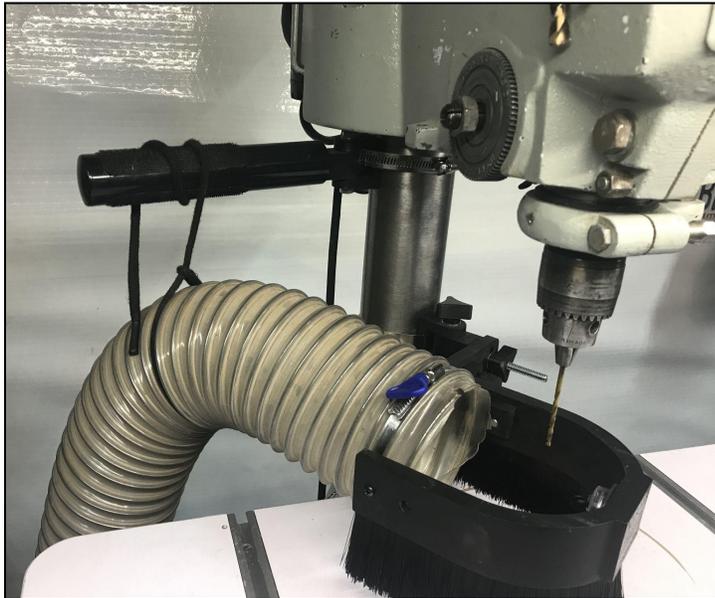


Top T-Track Adapter

If your drill press fence has a top t-track, rather than a t-track on its face, use the T-Track Adapter that came with your kit. The image below shows how to assemble the parts and put them on your fence.



Attaching Your Dust Collection Hose

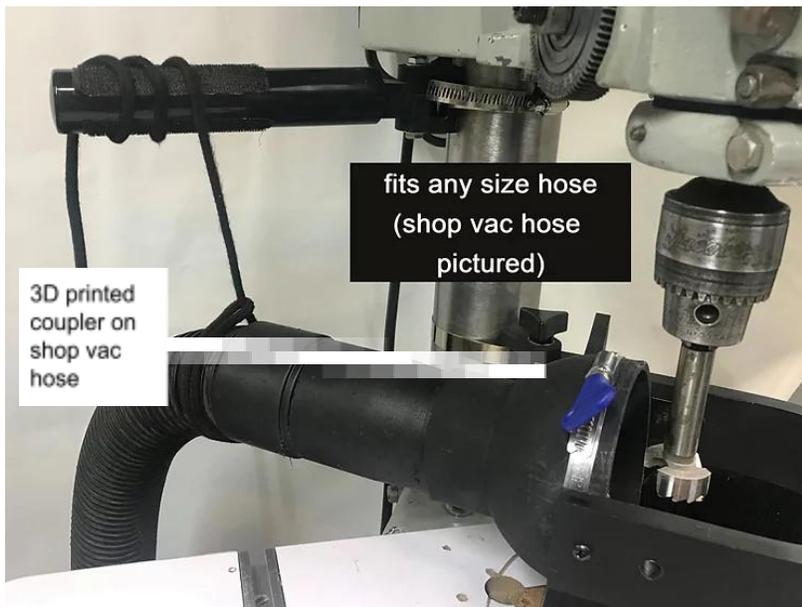


It is **highly recommended** that you suspend your hose so all of its weight is not on the column bracket. We recommend our [Hose Hanger](#) (sold separately) for this purpose but any method of hanging your hose will work.

Hose Hanger installed on drill press

4" Dust Collection Hoses

Open the hose clamp as far as needed to go around your 4" dust collection hose or quick connect fitting if you have one on the end of your hose. Tighten it down, and you are done.

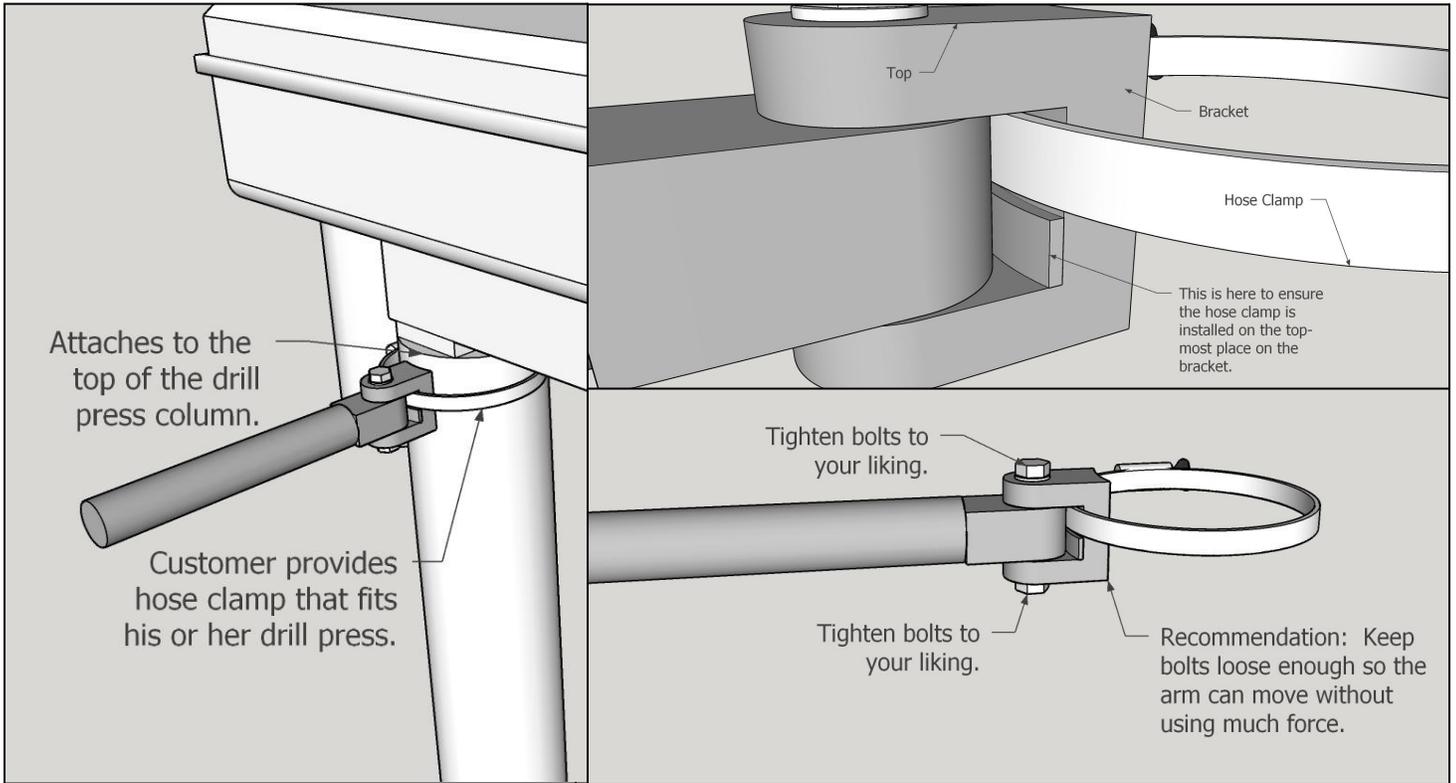


Other Size Hoses

If your dust collection hose is smaller than 4", you will need to use a coupler that fits your dust collection hose and increases it to 4" (or thereabouts - it does not need to be perfect). There are so many different size hoses that providing one in the kit is not feasible. You can purchase all sorts of couplers online or, if you have a 3D printer, you can print your own.

The Hose Hanger Instructions

(Sold Separately)



For detailed video instructions, please visit our website and click on The Hose Hanger image, which will take you to the product page.

Using The Extractor

The best way to see how to use The Extractor is to watch the videos on our [YouTube Channel](#).

Here are some other tips about using The Extractor:

1. Lower The Extractor so the bristles are touching the workpiece. The idea is to create a corral around the bit so debris cannot escape.
2. If you want to use your dust collection hose without The Extractor boot, simply unscrew the knob on the side of The Extractor boot and it will pop right off. Your hose will remain in place.
3. You can adjust the height of The Extractor by loosening the knobs on the Flat Bracket (9) or by loosening the column clamp strap and moving the entire unit up or down the drill press column.

Caring for Your Product

1. When you are not using the boot, set it aside with the bristles facing up. This will help maintain the straightness of the bristles.
2. To clean all the parts, just use a damp cloth. Detergent can be used as well if needed. Do not submerge the boot in liquid as this may weaken the glue used to keep the bristles attached to the boot.
3. Avoid dropping The Extractor. It is made of very durable resin but it can crack if dropped on hard surfaces.

Troubleshooting

Problem	Solution
The hose clamp thumb screws are hard to turn.	Spray a small amount of lubricant (WD-40) in the barrel of the hose clamp.
I can't get the knob on the top of the carriage assembly of the column bracket tight enough.	Using an 11mm wrench, tighten the hex bolt on the bottom of the carriage. See Fig. 4 on page 5.
I can't tighten the smaller knobs very well.	Those knobs can be turned with a 17mm wrench. Keep one handy by attaching it to your drill press with a magnet.
Debris is flying out from underneath the boot.	Lower the boot so the bristles are touching the workpiece. The idea is to surround the bit with The Extractor so the debris is trapped inside the boot and taken away by your vacuum.
The light is dim or not working at all.	It probably needs to be replaced. As mentioned elsewhere, these lights are disposable. Replacement lights cost about as much as the batteries you'd have to purchase for a light that is not disposable. You can get the lights here: https://www.panthervision.com/product-category/button-lamps/
The hose clamp strap gets in the way of the thumb screw.	You can either cut it off (a rotary tool with a metal cutting wheel works well) or use the included zip tie to make a loop into which you slide the excess strap (like the loops used in wristwatches or belt loops on pants to secure the excess band/belt).
<p>My shop vac doesn't work very well.</p> 	<p>Shop Vacs should be set up as shown in this video:</p> <p> SHOP VAC DEMO for The Extractor - Drill Press Dust Collection</p> <p>Shop vacs work best if you do not use the filter canister and foam sleeve that is attached to the underside of the motor. Rather, use a good filter bag. Here's some more tips:</p> <ol style="list-style-type: none"> 1. Make sure your coupler is tightly attached to your hose. 2. Adjust the coupler so it is as close to the bit as possible. 3. The shorter the hose the better. 4. Minimize curvature in the hose - a straight shot from the drill press to the vacuum is best. 5. Once you finish drilling, turn off the drill press and cover the top of the boot with your hands. This increases the suction power and usually gets all the leftover debris. 6. If none of this helps, you may want to invest in a better vacuum. Harbor Freight has a great little dust collector that costs about as much as a good shop vac. It works a lot better than a shop vac for dust collection and uses a 4" hose so you won't need a coupler. Some minor modifications to the Harbor Freight dust collector will be needed to get it to work its best. There are a lot of videos on YouTube regarding this.

If your problem isn't listed here, please reach out to us and we will do all we can to solve it. You can email us at nelson@NelsonsShopSolutions.com.