

Parts list:

High quality pistol grip grease gun

2" PVC slip x slip union

2" to ½" PVC slip x slip adaptor

2" slip x ½" female threaded PVC adaptor

½" male x ¼" female threaded brass adaptor

1/8" x 3" long brass nipple

120 micron Dutch stainless steel filter material 2" round

50 micron stainless steel filter material – will be used and discarded each run



Cut off end of grease gun to allow pouring japan black into filter. Remove spring rom plunger, it will be used like a gun cleaning plunger for cleaning grease gun tube after use.



Added stopper nut to secure rubber plunger to rod.



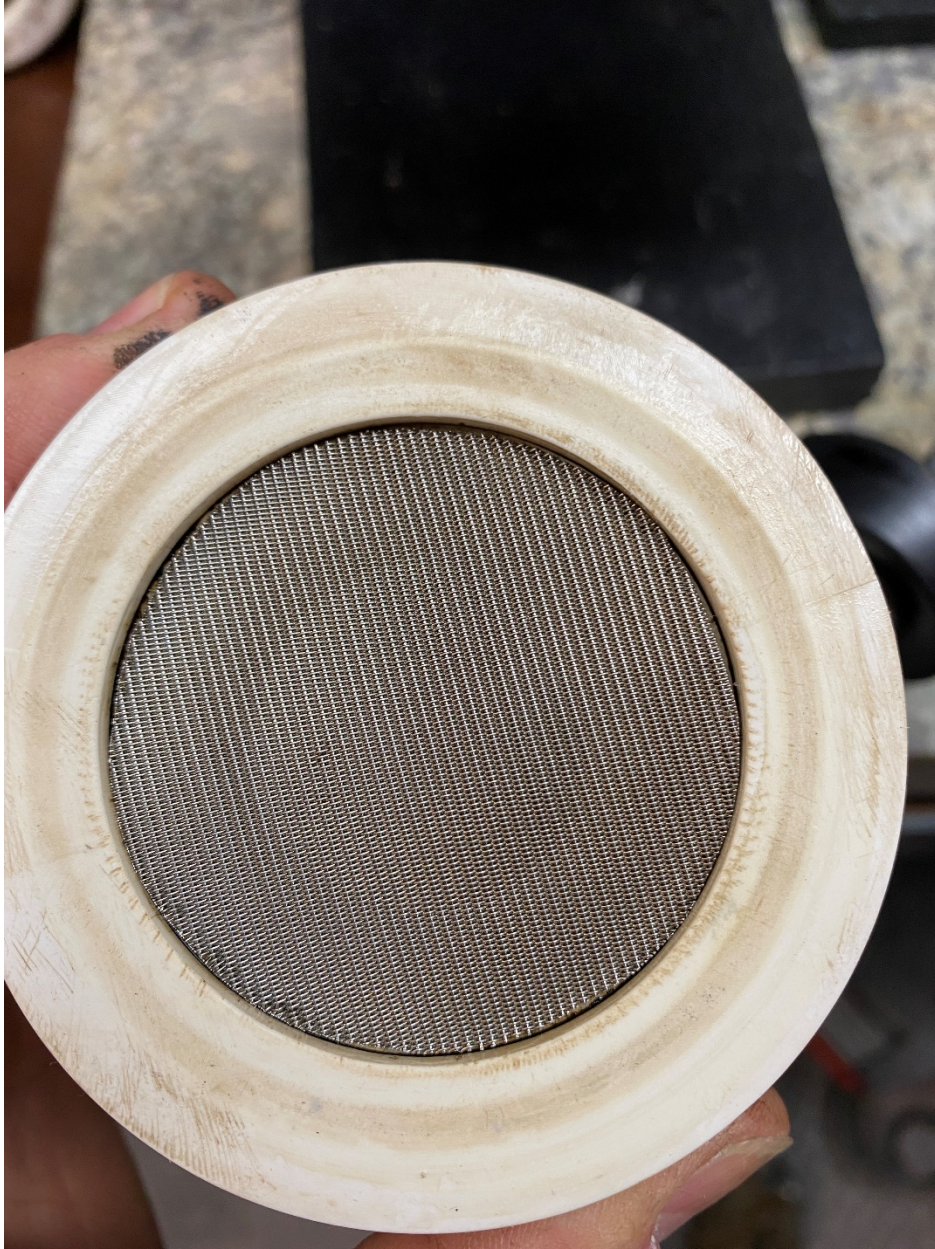
To reduce the volume in the PVC union I cut the union to leave only about 1/4" for the PVC adaptor to glue into. I also cut the PVC adaptors down to about 1/4" for gluing into the union. Went about as small as possible. On this adaptor, it was hollow vs. solid inside so I filled the remaining spaces with epoxy to prevent product loss to left over material in the union.







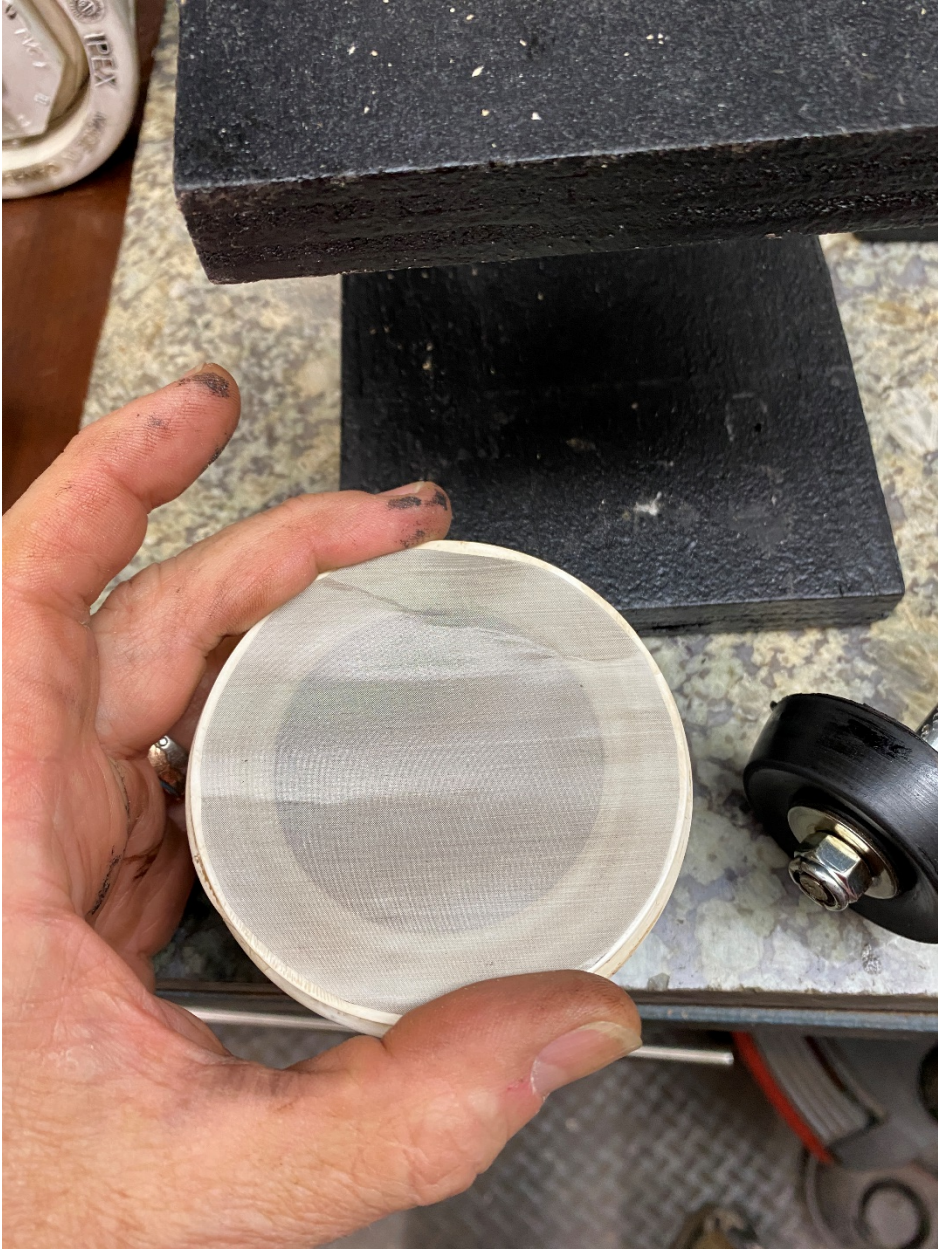
Another view of cut down PVC adaptor glued into Union. This is the top of the Union where the grease gun is now attached with a brass nipple to the brass adaptor. This is much better than the original hose.

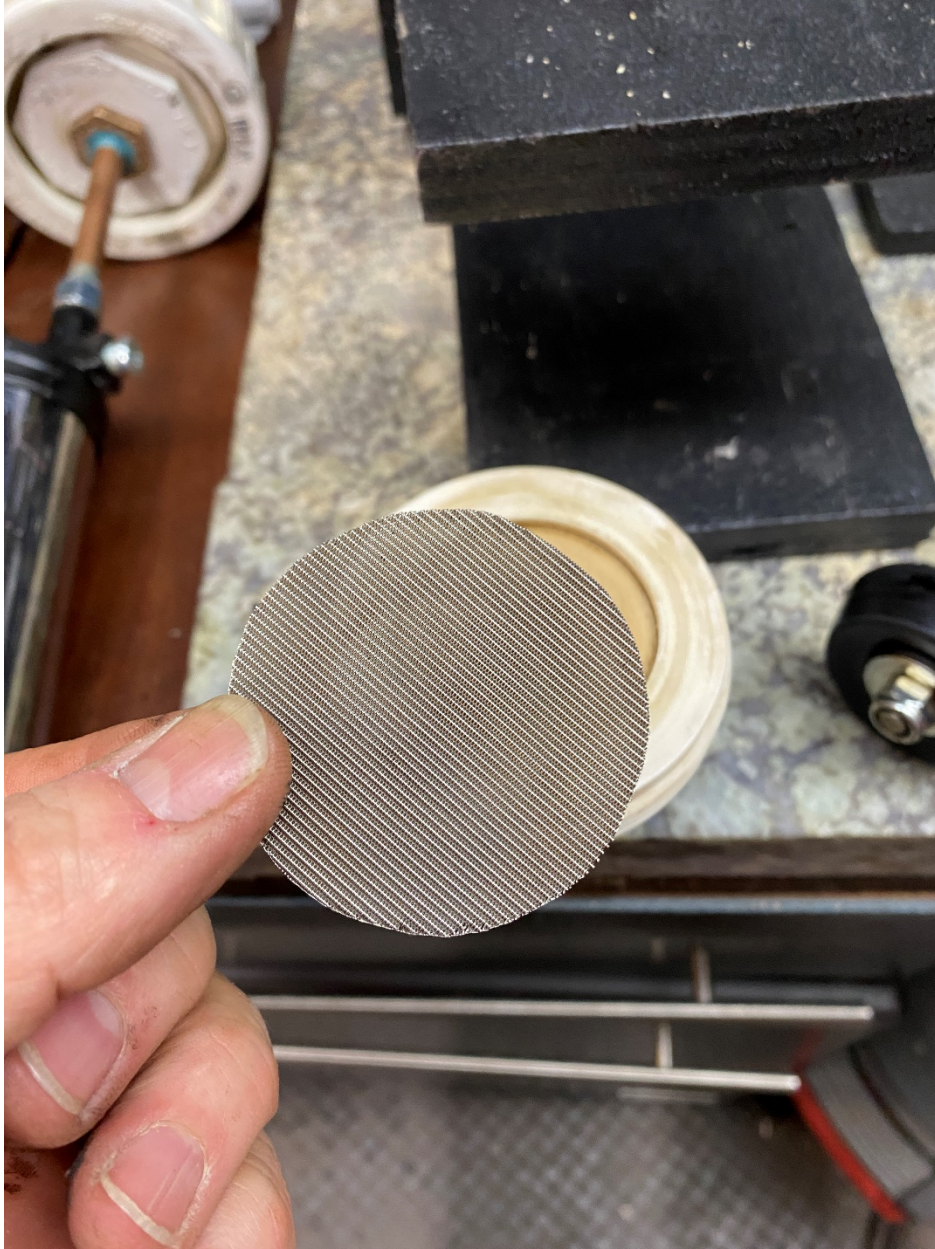


120 micron Dutch weave filter insert. This is necessary to keep the fine filter material from being pushed out of position in the union and letting the Japanning flow by. This is resting on the PVC lip underneath. This is a very stiff and strong filter media.



The fine filter media. Very flexible and must be supported. It is cut to also be held by the Union o-ring.





The dutch weave support filter. It is washed in turpentine and reused over and over.



I added the 1/2" pvc fitting for an outlet spout to direct the filtered japanning into the small cans.



Show the very low volume left by cutting down the union collar and the pvc adaptor. This adaptor is the support for the dutch weave filter.















After use, I remove the grease gun barrel for easy cleaning. Flush the system with turpentine, disassemble the union to clean the dutch weave filter and replace the fine filter.

Pump fairly slow at first until you confirm your filters are staying in place. Takes about 100 pumps to filter $\frac{1}{4}$ pint of japanning. System will hold about $\frac{3}{4}$ quart of japanning in the cylinder.