

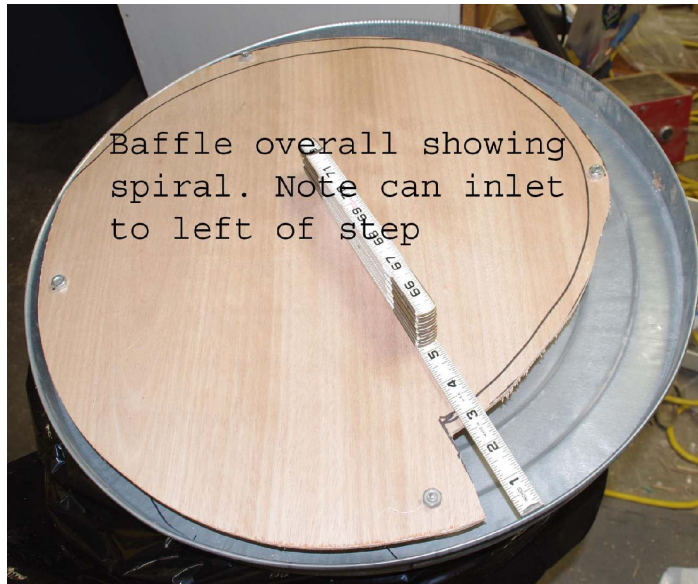
I have received request for more information on the can separator lid for the DC mods.



I bought the 9L300NANO filter from Wynn because of its better filtration at the time. It is an open - open filter so I had to seal the other end with a plug. This is just stuck on with some silicone sealer.



The position of the step in the baffle is critical in the ability to reduce scavenging of the larger particles of dust into the dust collector filter system. Note the black marker lines on the lid. That is where the inlet should go into the can.



Baffle overall showing spiral. Note can inlet to left of step

Here showing the size of the step and the shape of the spiral of the baffle. This was rough cut expecting to have to move more of the baffle. It started off with much less of a gap but the air flow was too restricted. There has to be a balance between trash retention and air flow. Note the four 1/4 X 20 bolts that hold the baffle.



Step size detail

This shows the size of the step I ended with. On Phil Thinn's site (I am pretty sure I spelled his name wrong) he shows the math to get it right the first time. I had none of the correct instruments to get the data so I just started cutting. Your millage will vary.



Baffle mounting detail

This shows the 1/4 X 20 bolt detail between the lid and the baffle. If I had placed the inlet a bit lower in the side of the can, then the baffle could have fit lower in the can also allowing more room for the outlet and air flow. Another lesson learned too late.



This is the final overall dimension of the lid. You can get the idea of the spiral shape and size. I found it to be much easier to take off small bits of wood than add them. Also, when the bolts are in place before the final size is determined, they will sometimes get in the way of where you want to cut. DAMHINT



A pitiful attempt to show the way the outlet elbow is fastened in the lid. To reduce restriction, the elbow is just through the lid and metal duct tape is used to fasten it in place.



The outside of the lid. Anytime I use an adjustable elbow, I try to tape all the joints. They leak otherwise. Any questions, pm me. If I can I will tell what I know. Thanks for looking and I hope this may help.
Charles Tubbs