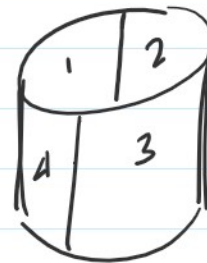
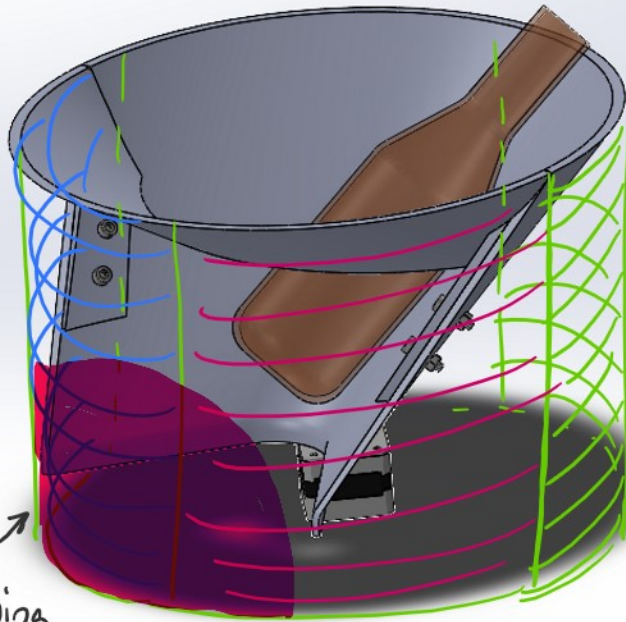


## 8 - Output Enclosure

March 15, 2021 6:49 PM

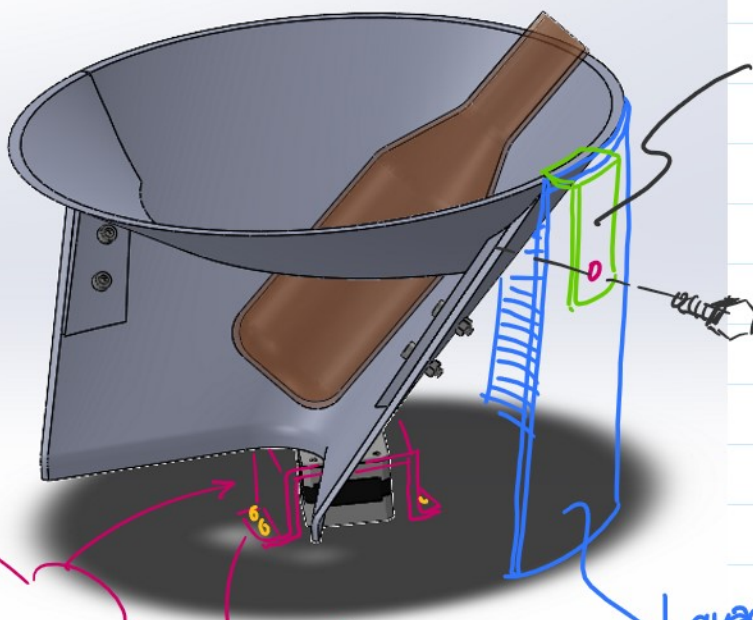
BEGIN : 6:45 PM

END : 8:30 PM



- cylindrical shell  
broken into 4 parts  
for ease of 3D-printing

need  
an opening  
to allow items to slide freely out, regardless of their geometry



add tabs onto chuck model  
that can fasten to the  
outer shell to make them  
move as one unit?

1 quadrant of outer  
shell

this  
remains  
stationary  
as rest  
of output

separate  
mount / partial enclosure  
for motor

(- exact geometry will be fairly arbitrary

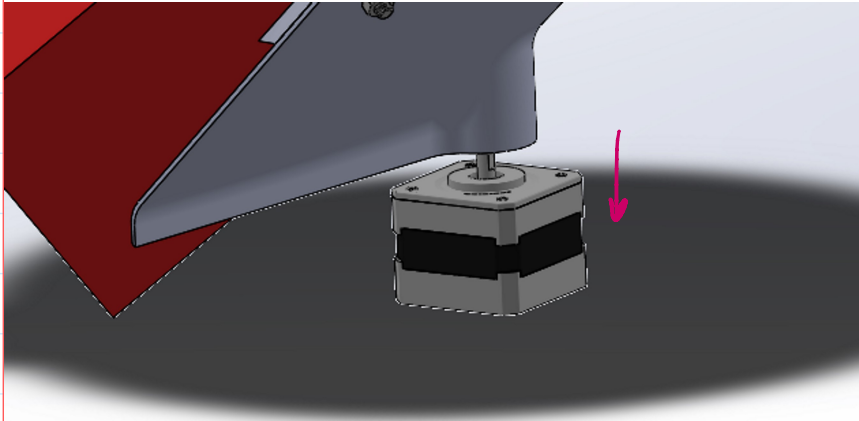
as rest  
of output  
pivots about  
motor shaft

for motor

↳ exact geometry will be fairly arbitrary

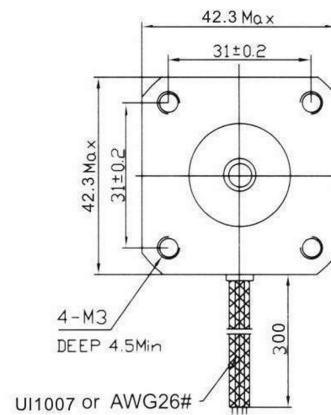
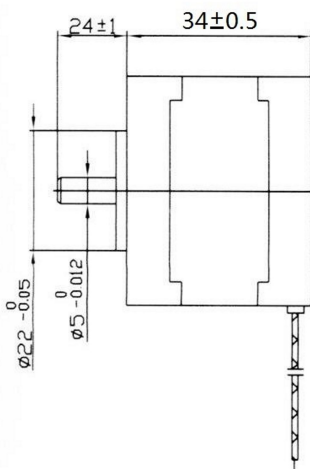
↳ entirely depends on mounting needs of user

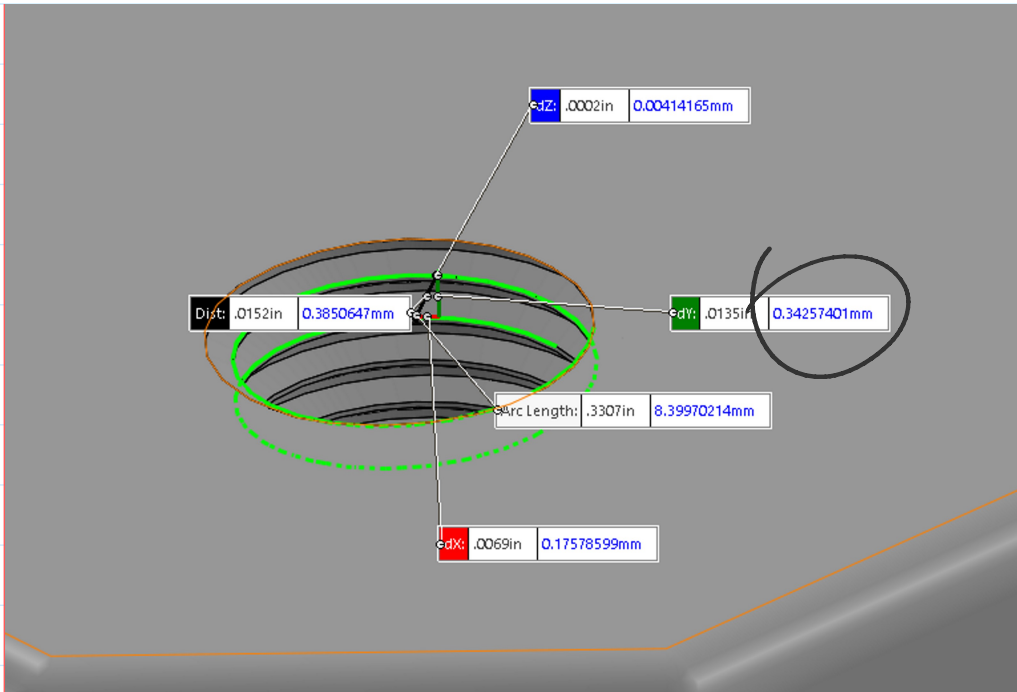
↳ i.e. are they mounting straight onto recycling bins? Onto an intermediate mounting plate? Etc.



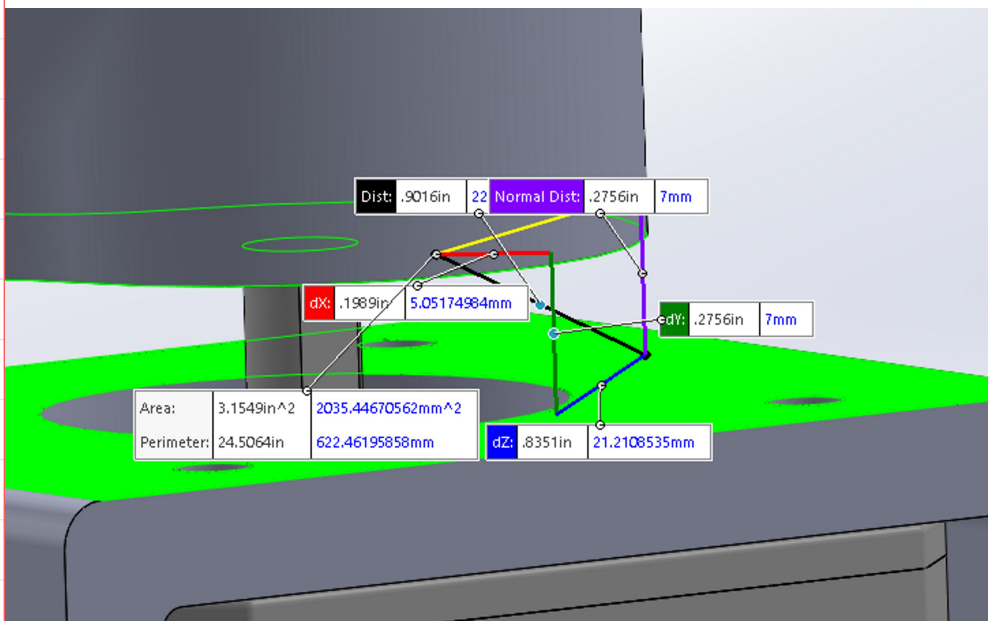
moved motor down a bit  
wrt chute so that mounting  
hardware won't interfere as  
chute pivots

From spec sheet: (<https://cdn-shop.adafruit.com/product-files/324/C140-A-datasheet.jpg>)





- seems to be  
M3 x 0.35mm  
→ unsure if  
mounting hardware  
comes with motor



- 7mm screw head  
clearance  
↳ M3 x 0.35mm screws  
have heads of  
~ 3mm

### 18-8 Stainless Steel Socket Head Screws

M3 x 0.35 mm Thread, 8 mm Long

<https://www.mcmaster.com/90751A111/>



Packs of 100

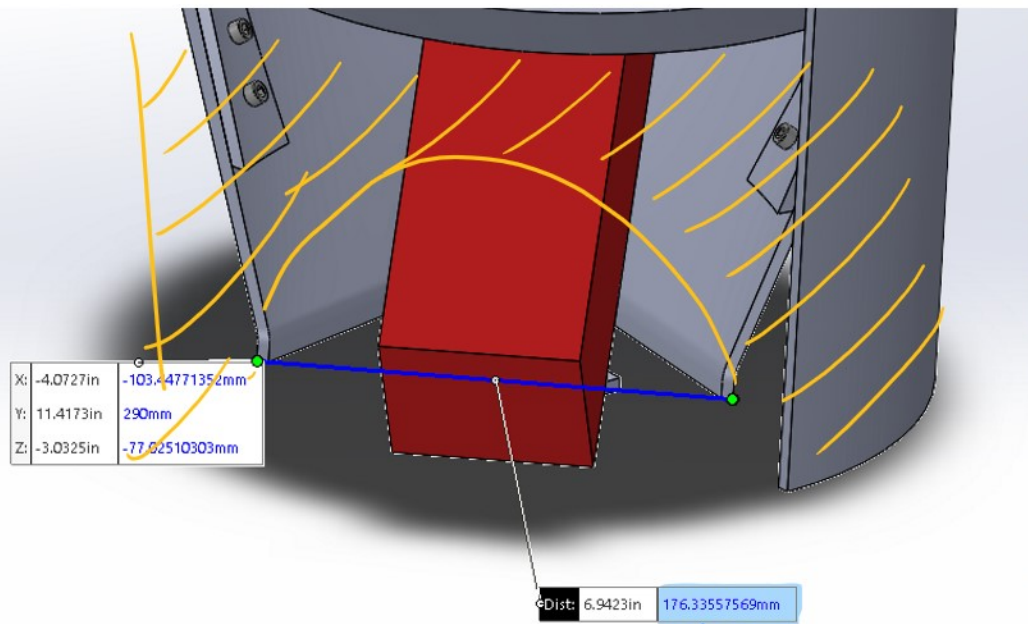
In stock  
\$9.27 per pack of 100  
90751A111

ADD TO ORDER

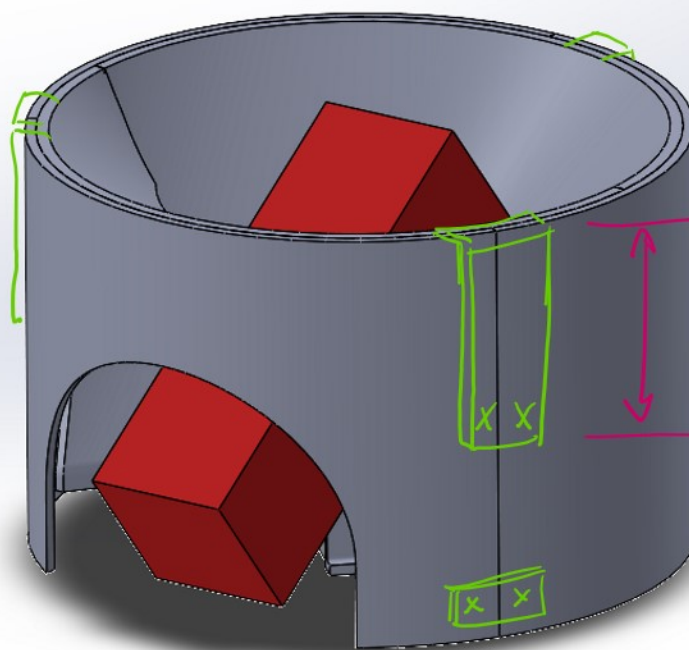


3-D Solidworks

Download



this distance will dictate opening in shell



has to be long enough so mounting hardware doesn't interfere with chute geometry

START: 9:30 PM

END: 10:15 PM

