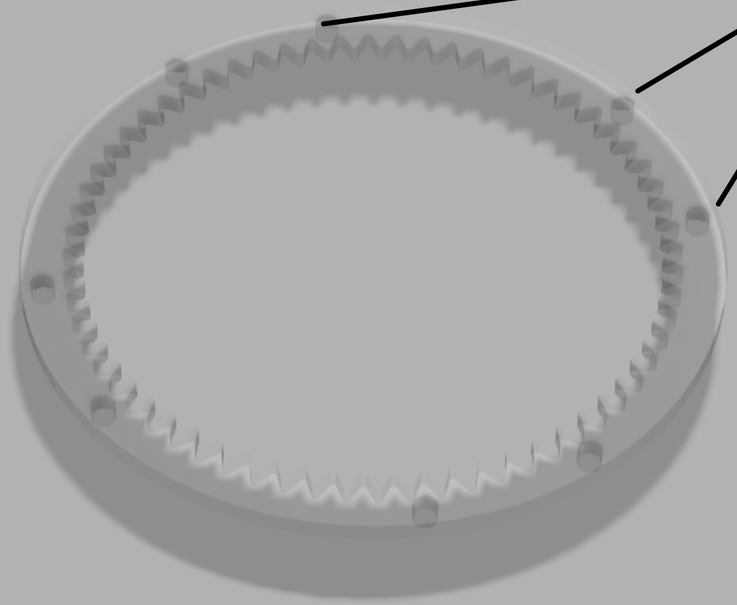
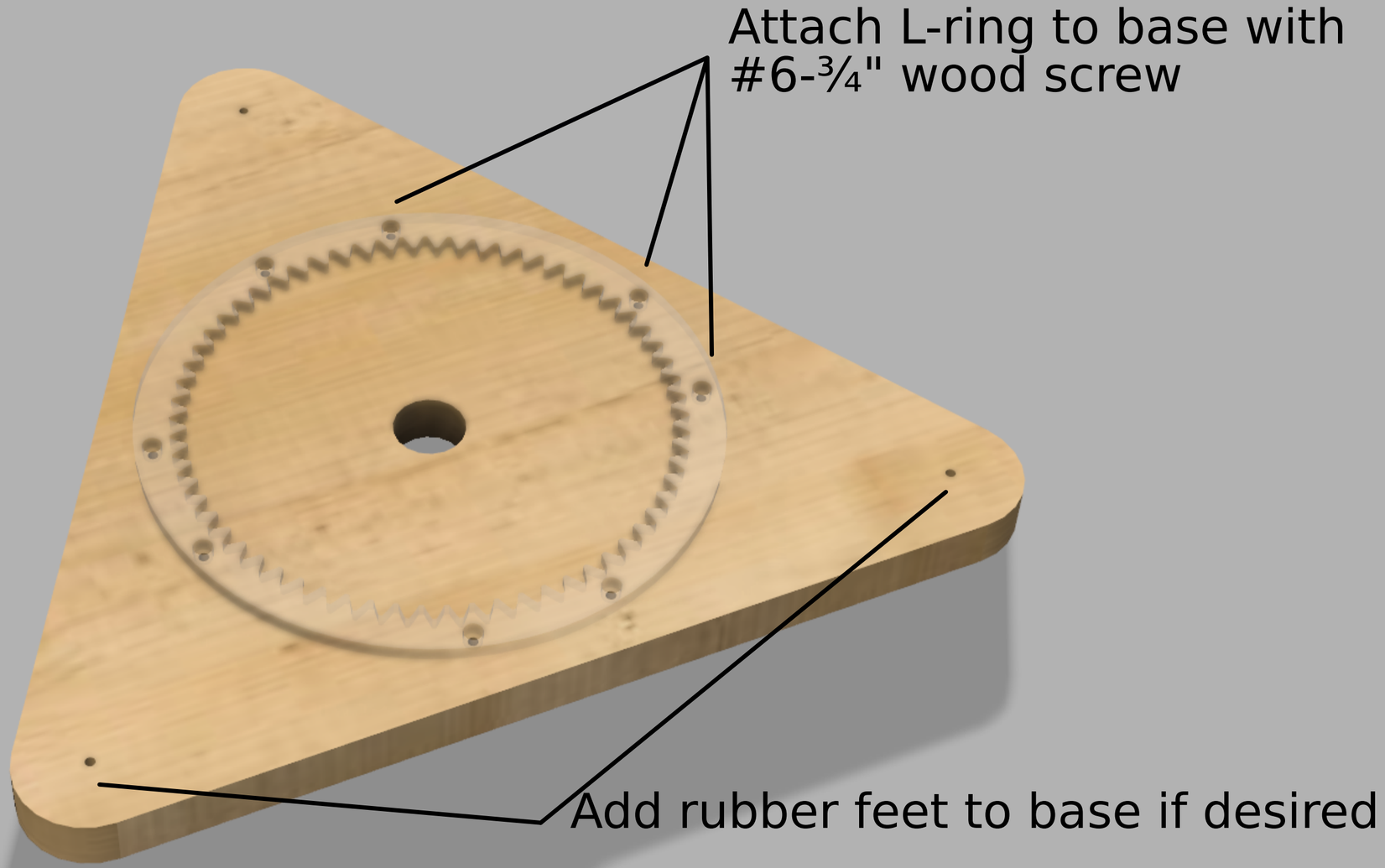
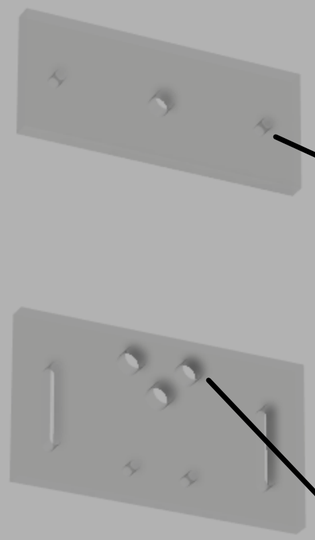

Countersink 8 drill holes


Attach L-ring to base with
#6-¾" wood screw
Add rubber feet to base if desired

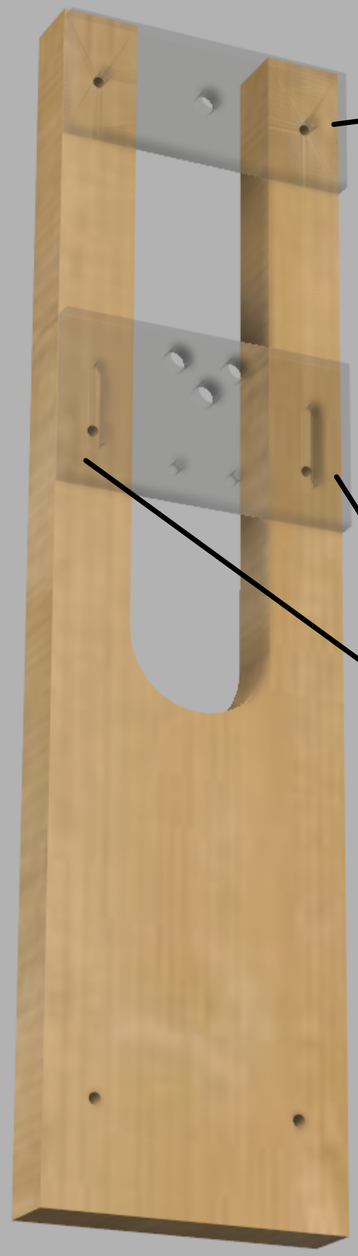
On one support arm, countersink two upper screws.

Attach K to support arm
with #6-1¼" countersunk
bolts and nuts



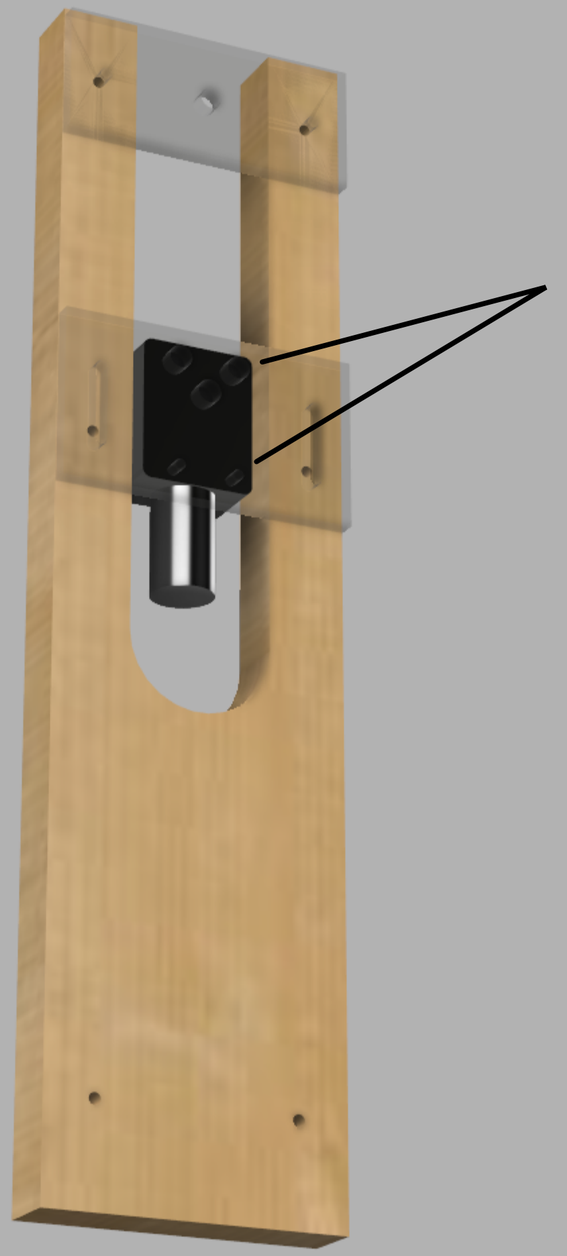
Countersink the two holes in K

Countersink two holes on J,
nearest to the axle hole



Attach K to second support arm with countersinking #6-1¼" and nuts

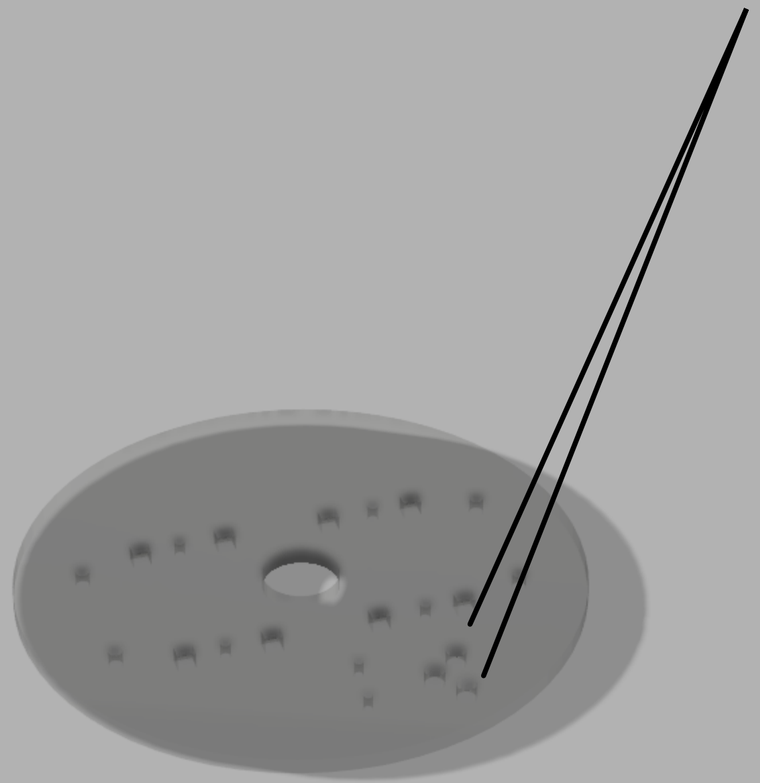
Loosely attach J to support arm with #6-1¼" and nuts through slots



Using two countersunk and two regular M3-8mm bolts, attach a gearmotor

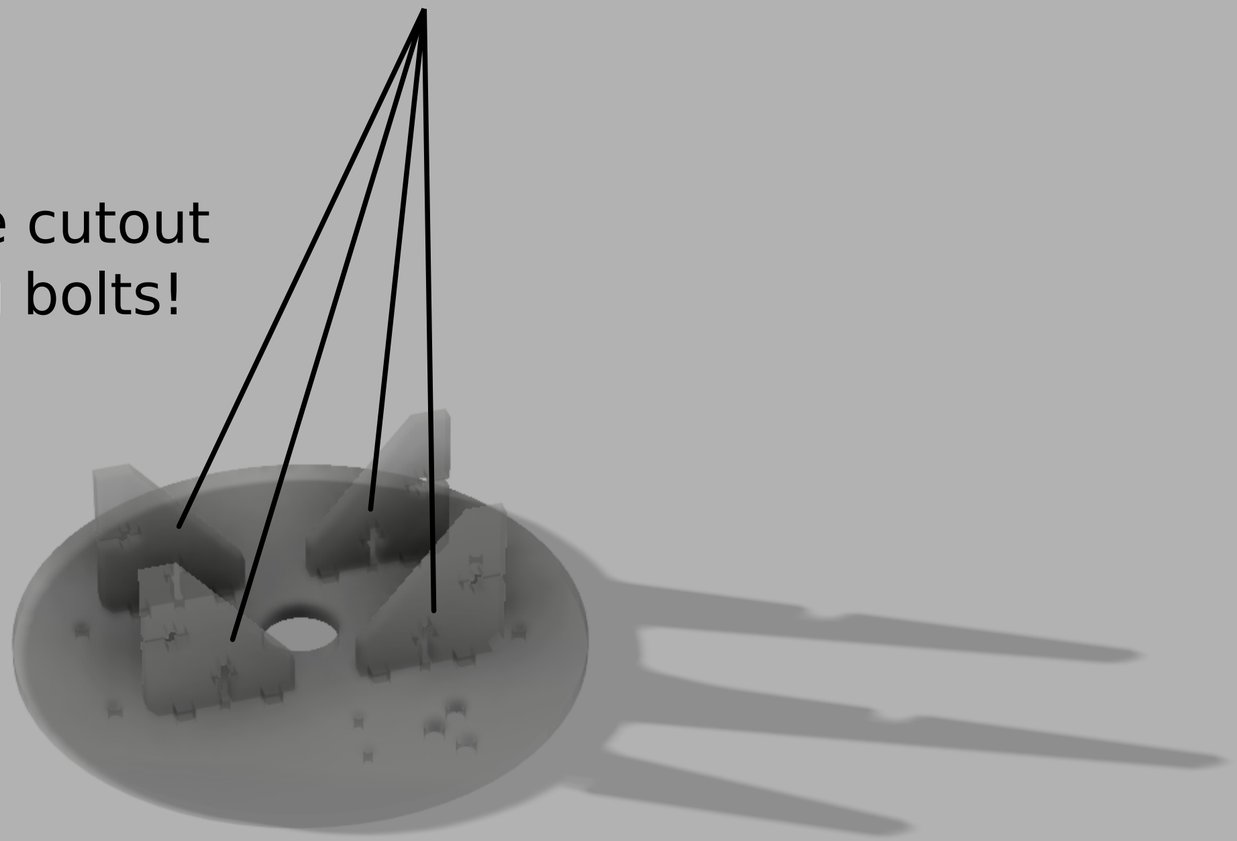
Attach smaller gear to axle of gearmotor. Use epoxy to secure if loose.

Countersink two holes for the gearmotor nearest the axle hole in A

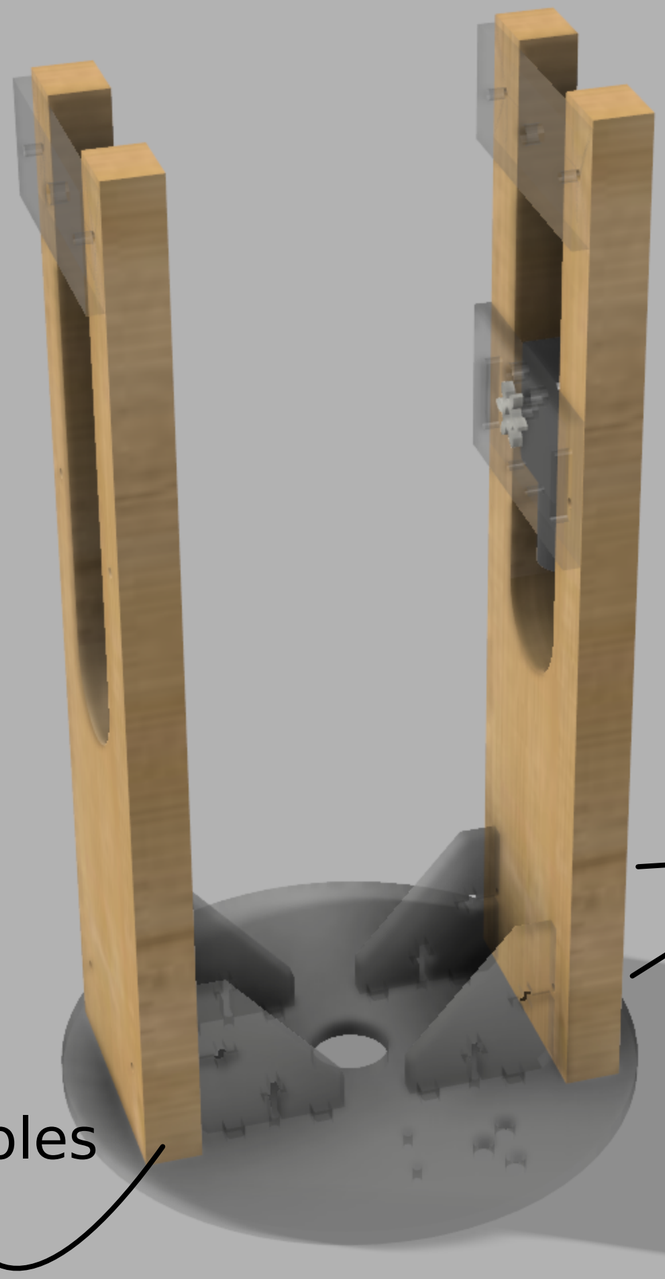


On the reverse side of A attach B with the tabs into A using #6-⅝" bolts and nuts.

Use the cruciform shape of the cutout to hold the nut while attaching bolts!

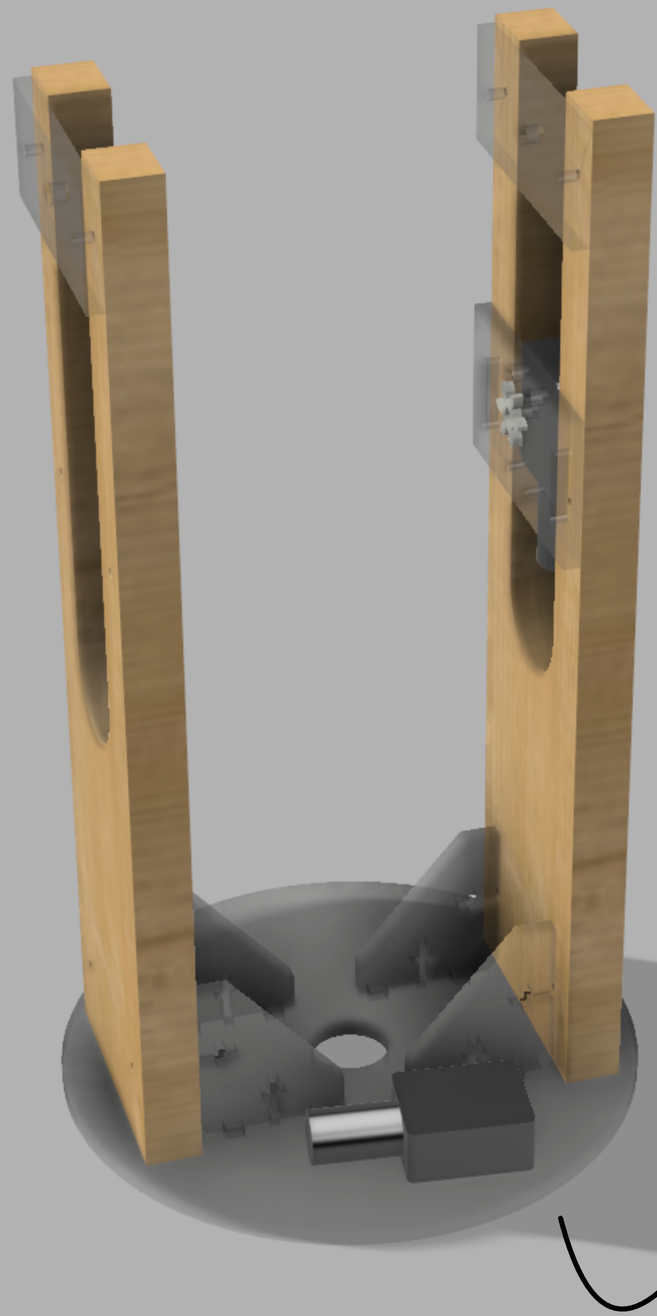


Note the orientation of acrylic parts on support arms. The gear should be between the arms while the arm with a single K should have acrylic on the outside.

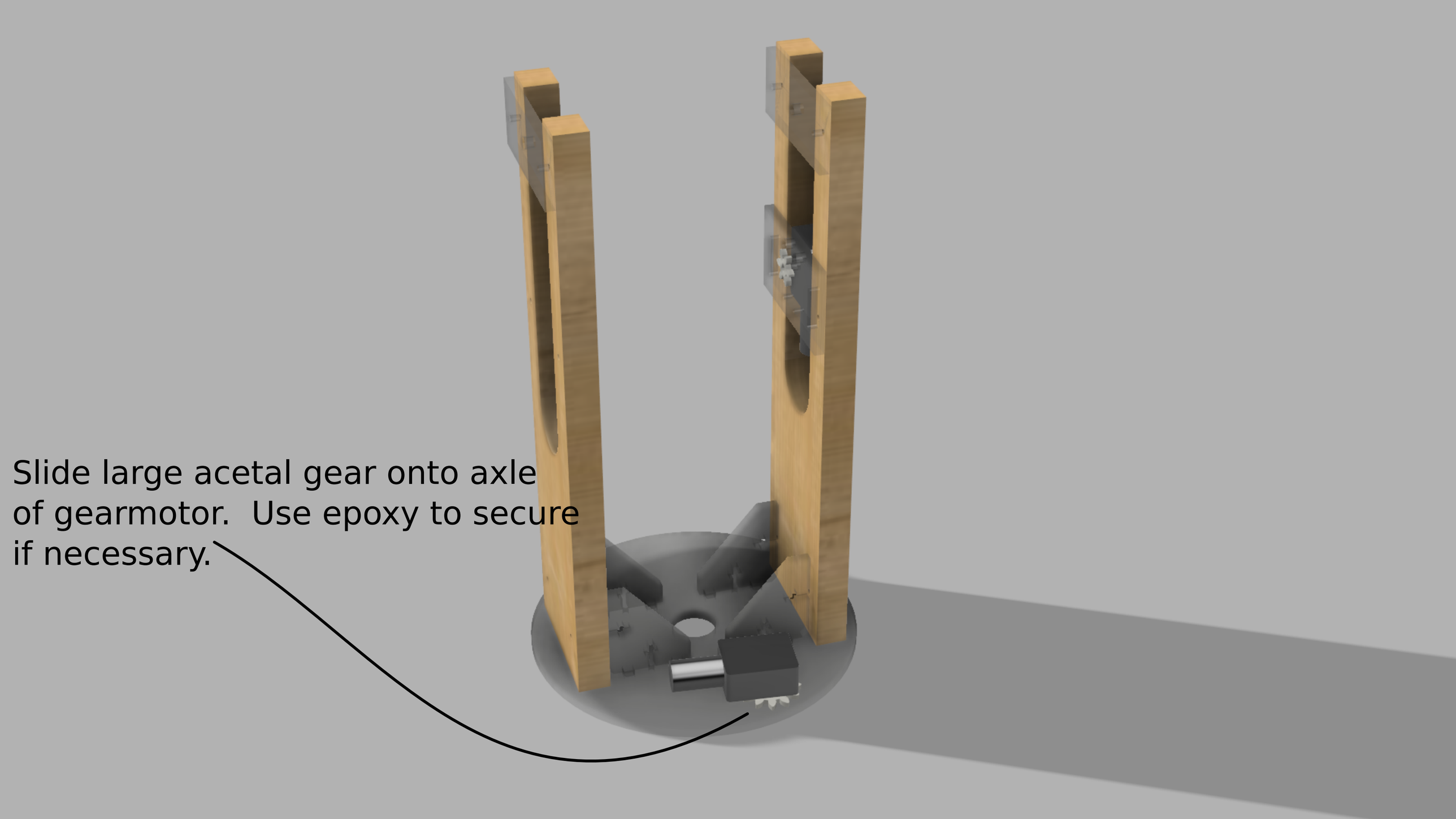


Using #6-1¼" bolts and nuts, attach support arms to A

Use #6-¾" wood screws to attach arms from the holes in A.

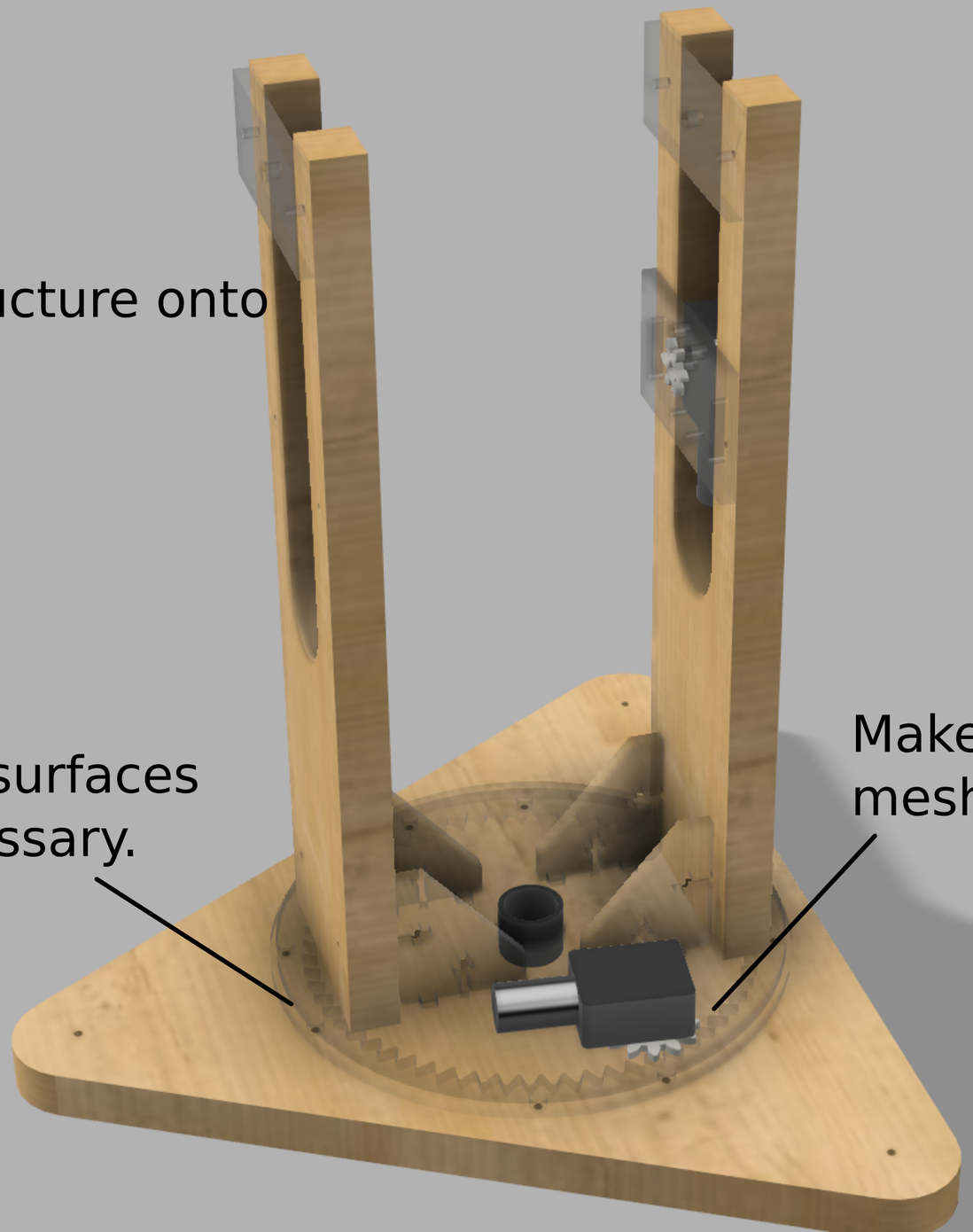


Attach gearmotor with countersunk
and regular M3-8mm bolts


Slide large acetal gear onto axle
of gearmotor. Use epoxy to secure
if necessary.

Place the support structure onto the base

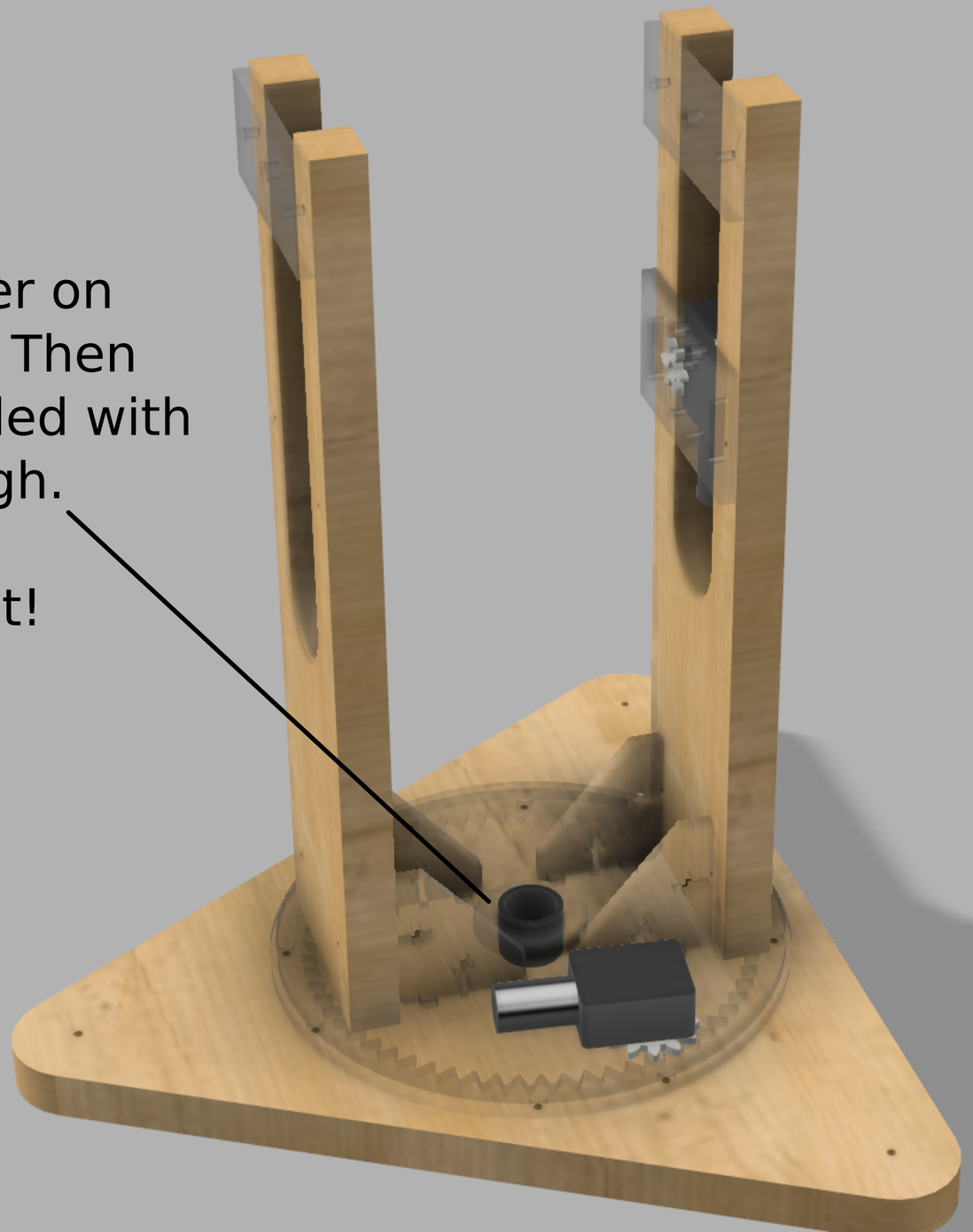
Lubricant on moving surfaces helps, but is not necessary.



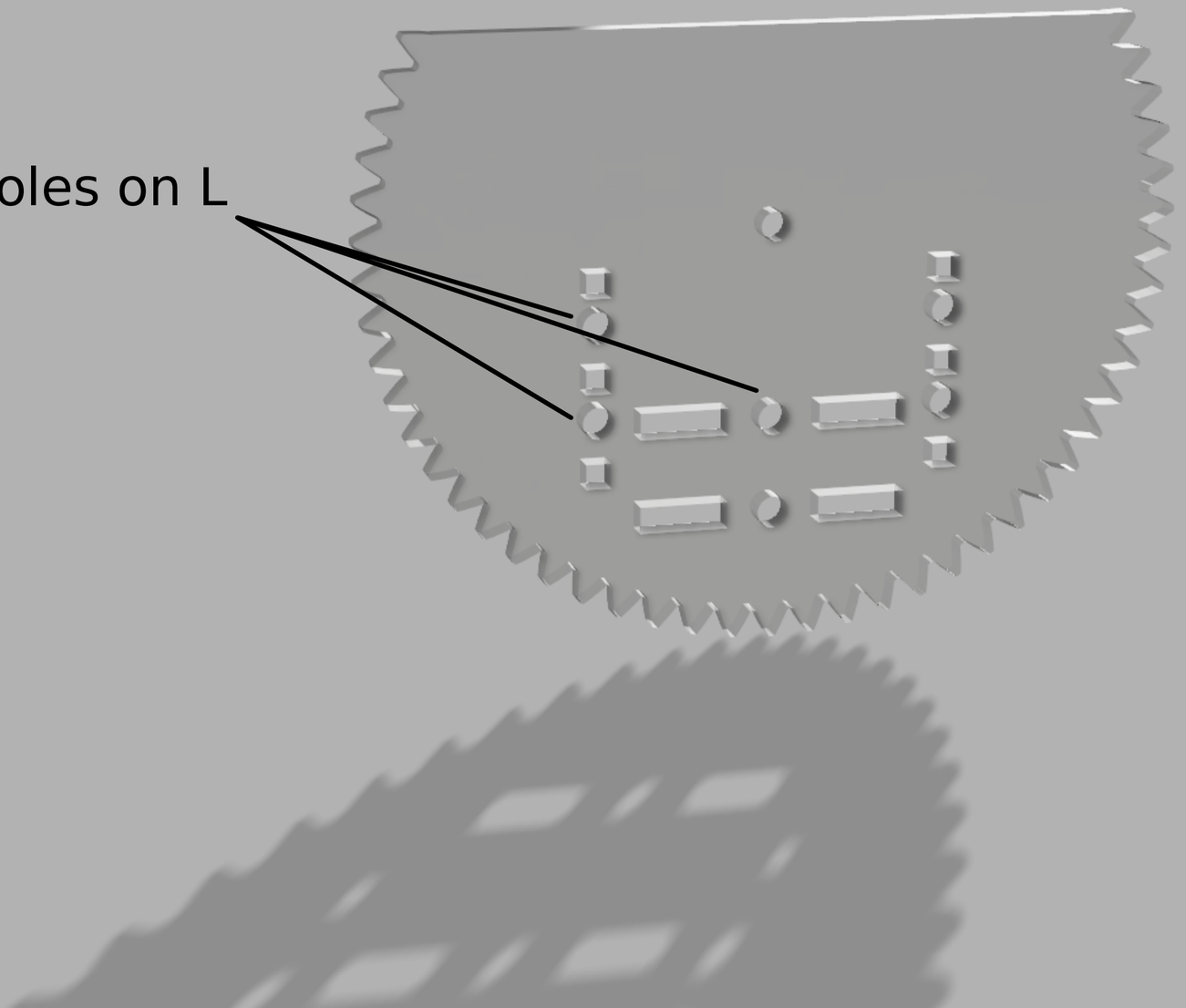
Make sure the teeth of the gears mesh well

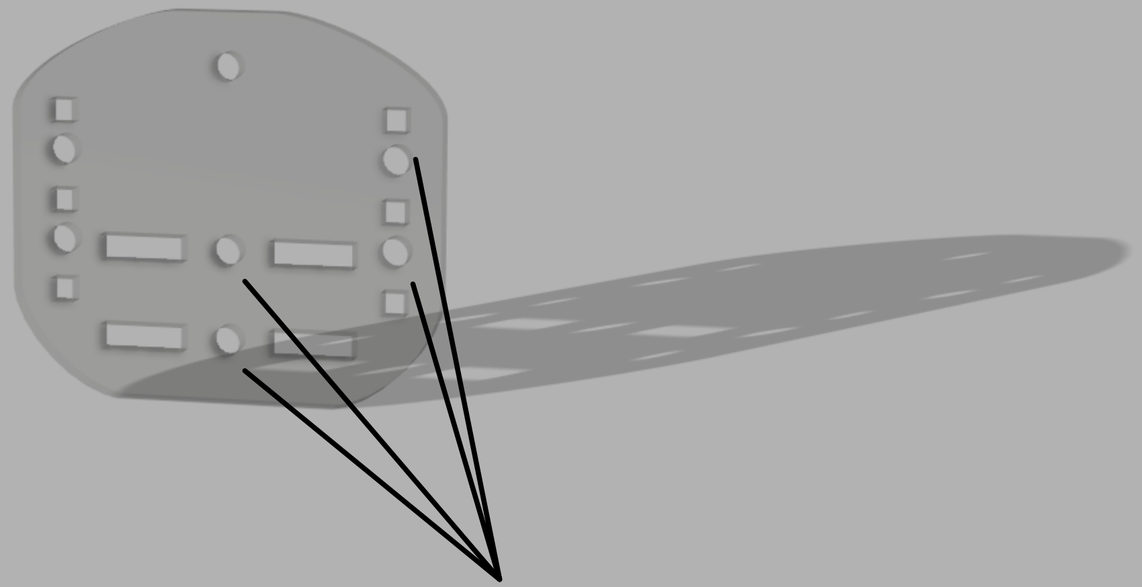
Add the acrylic washer on the axle of the base. Then tighten the nut included with the metal pass through.

Don't tighten too tight!



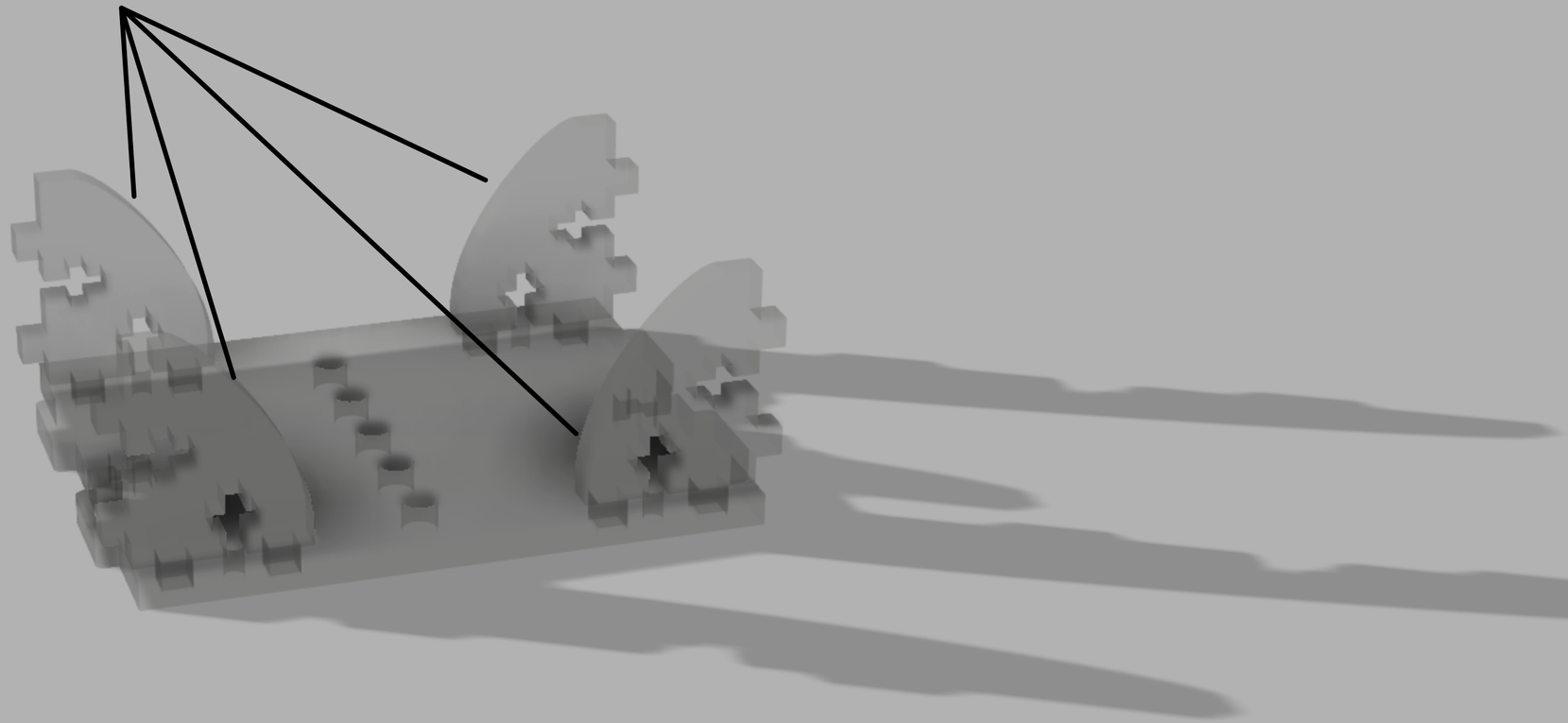
Countersink screw holes on L



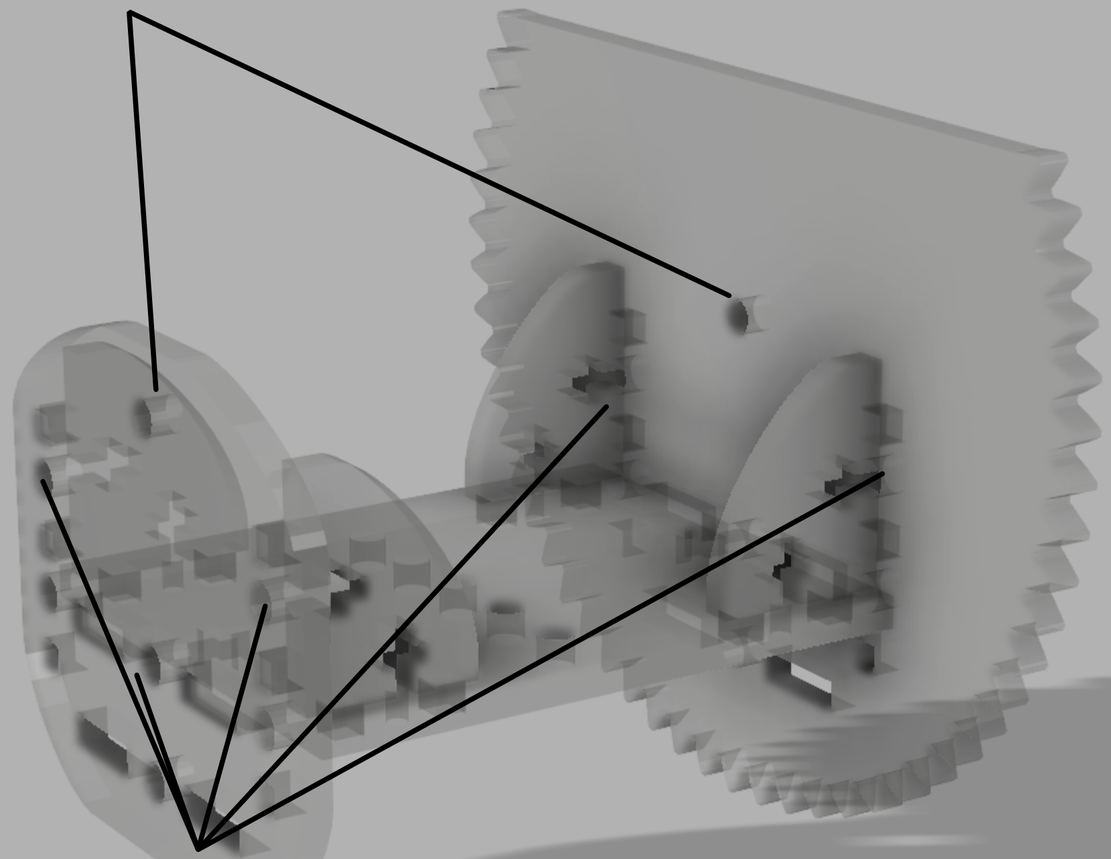


Countersink screw holes on M

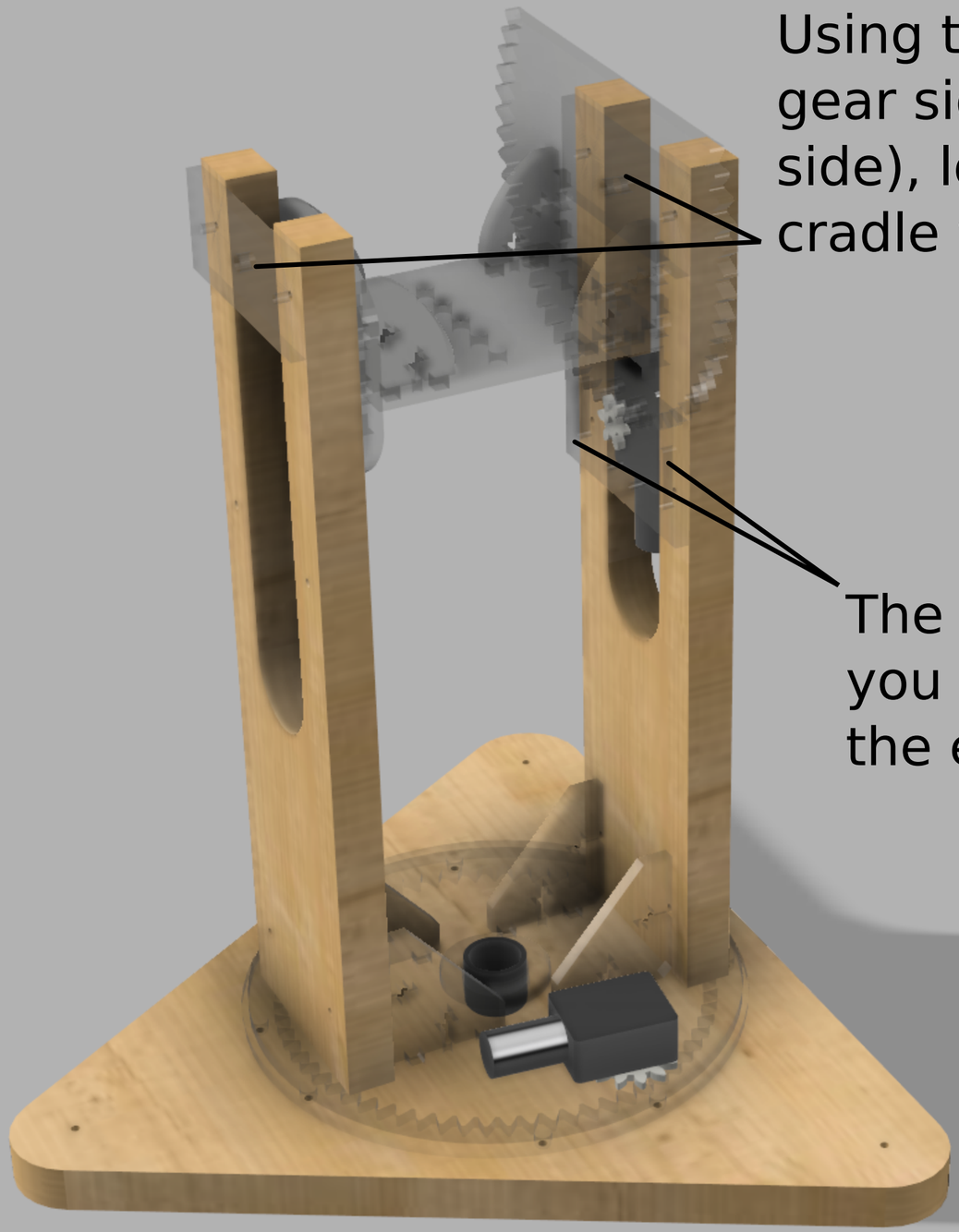
Add H parts to N, secured with #6-⅝" bolts and nuts. The edges of H should line up with the edge of N. H parts are not symmetrical!



Select a slot in L and M which will position the axle line near the center of your spotting scope.



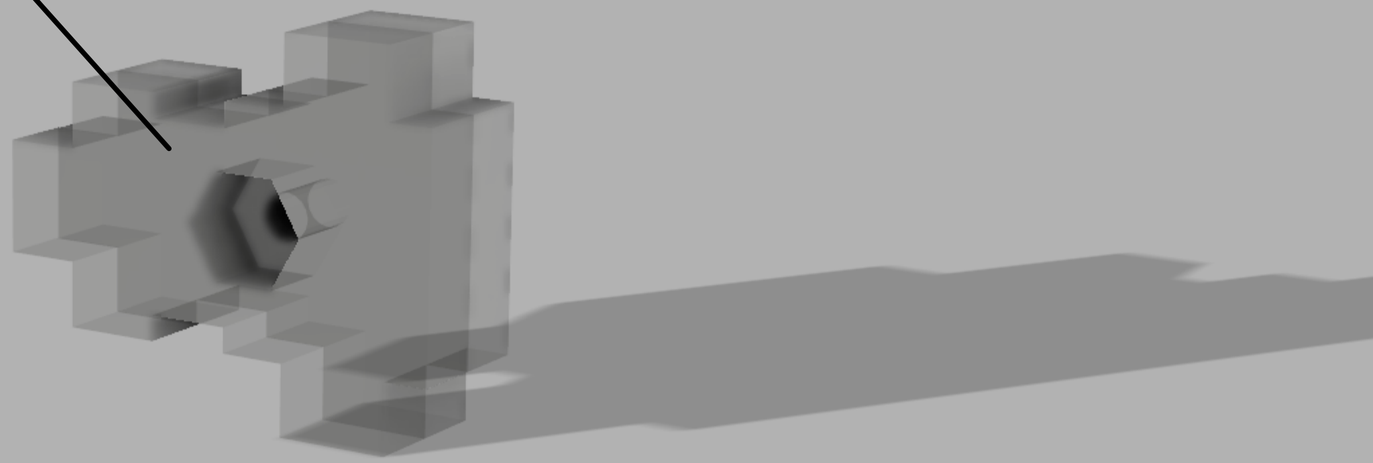
Using #6-⅝" countersinking bolts and nuts, attach L and M.



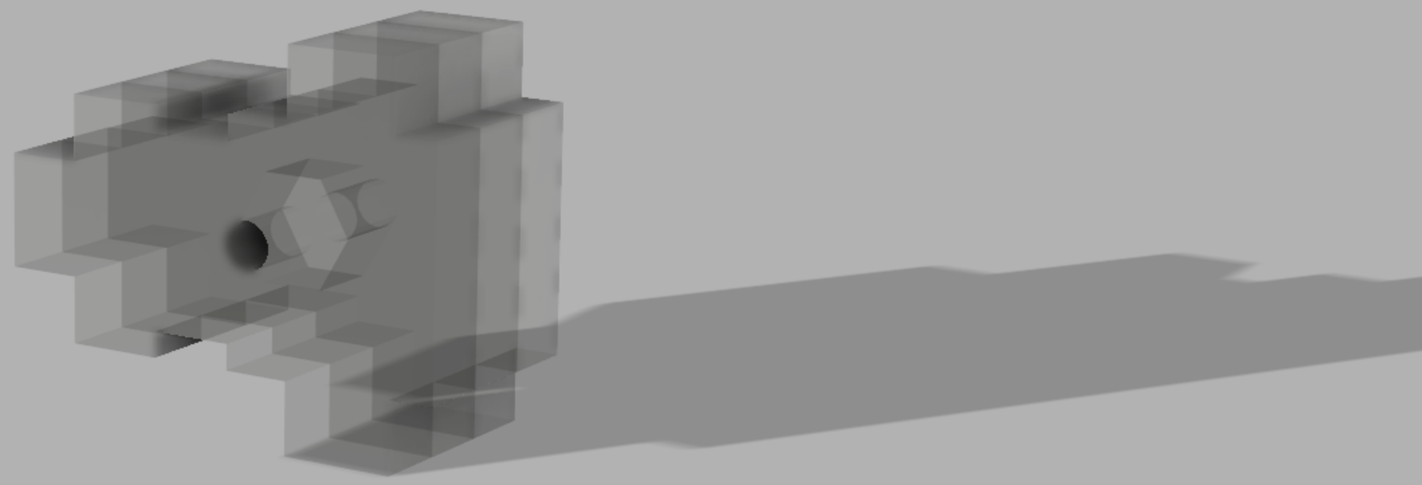
Using the ¼" hex bolts (the 1½" on the gear side, the ⅝" bolt on the opposite side), loosely attach the assembled cradle with lock nuts.

The slots in the motor plate J allow you to mesh the gears by sliding up the entire plate.

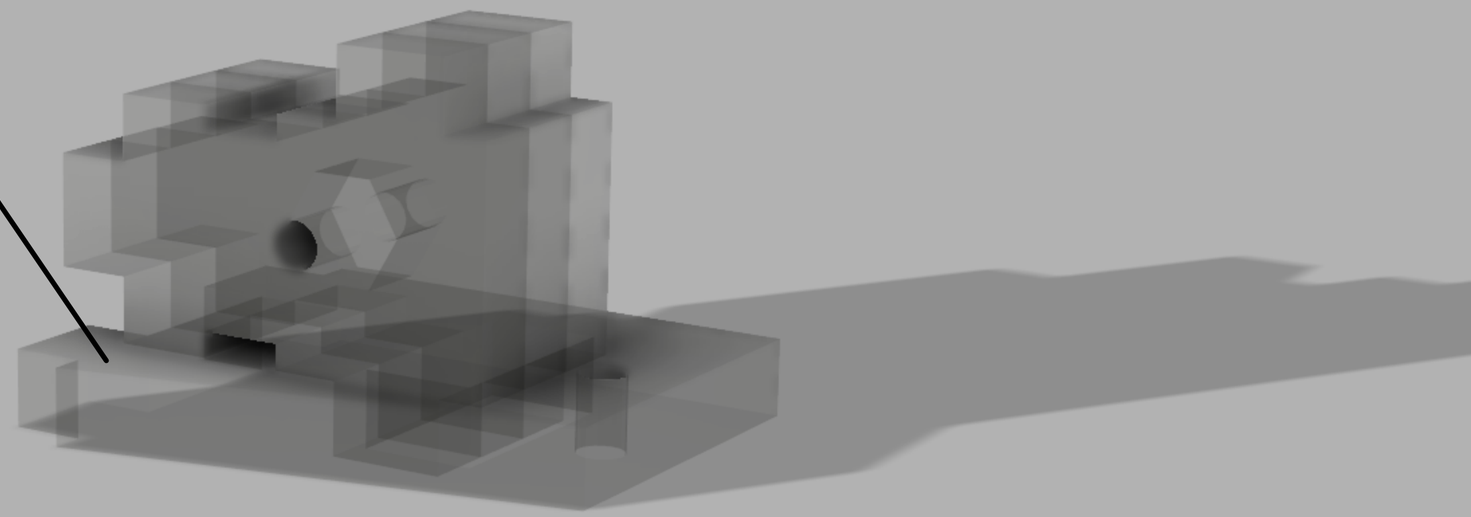
Press one U part and T together,
then place a #6 nut in the hexagonal
void



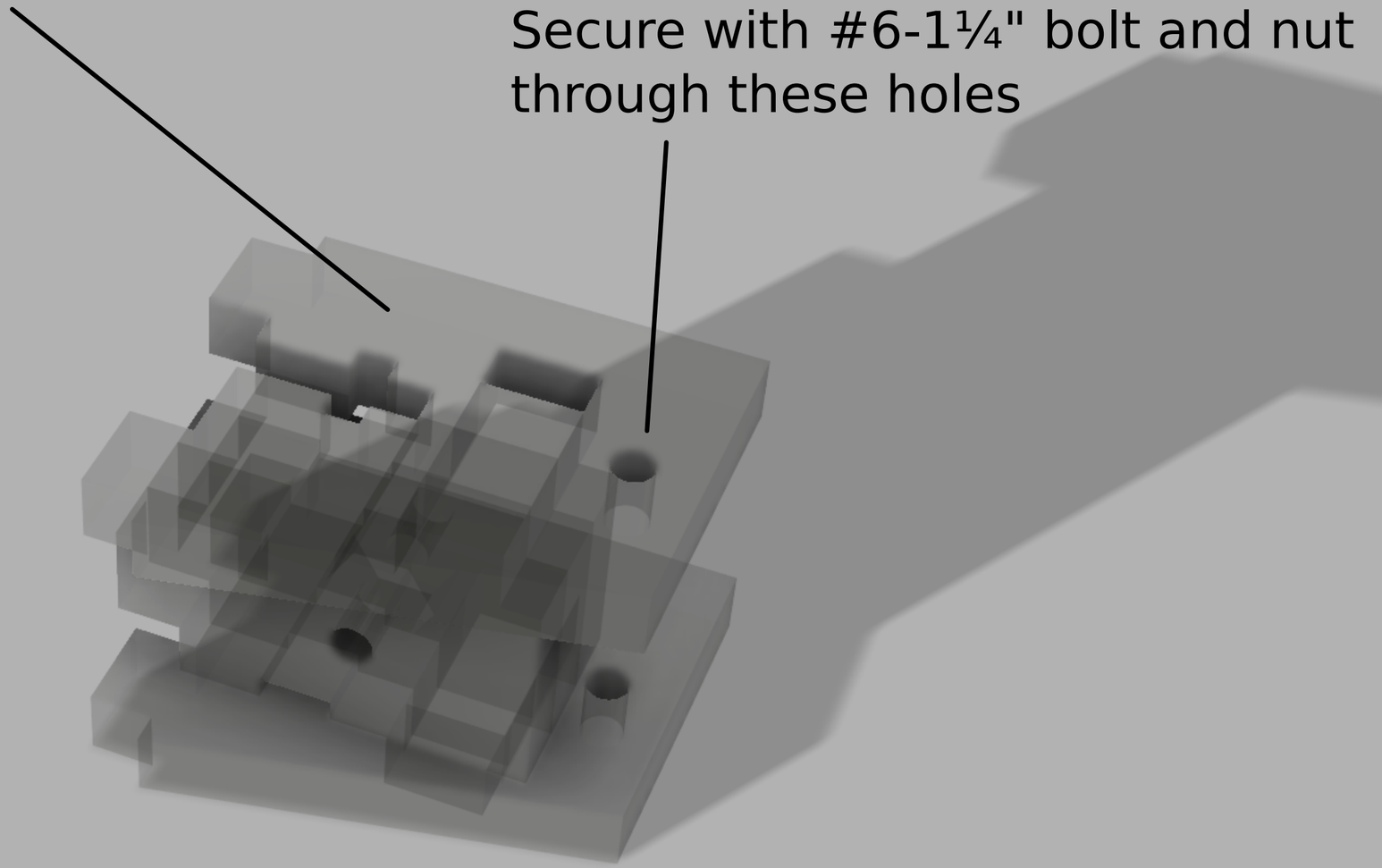
Completely entrap the nut with the second U part

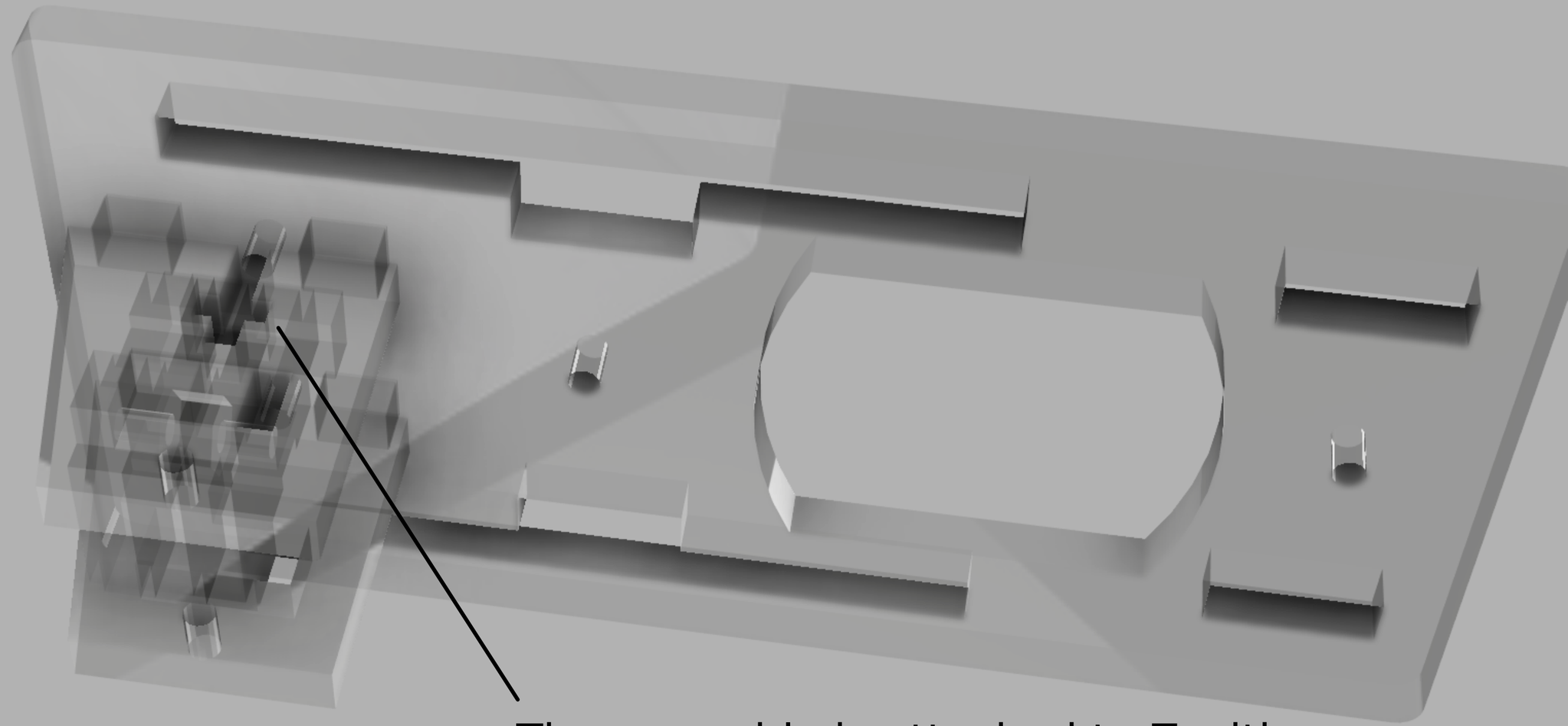


While still holding the entrapped nut parts,
insert the pressed section into S



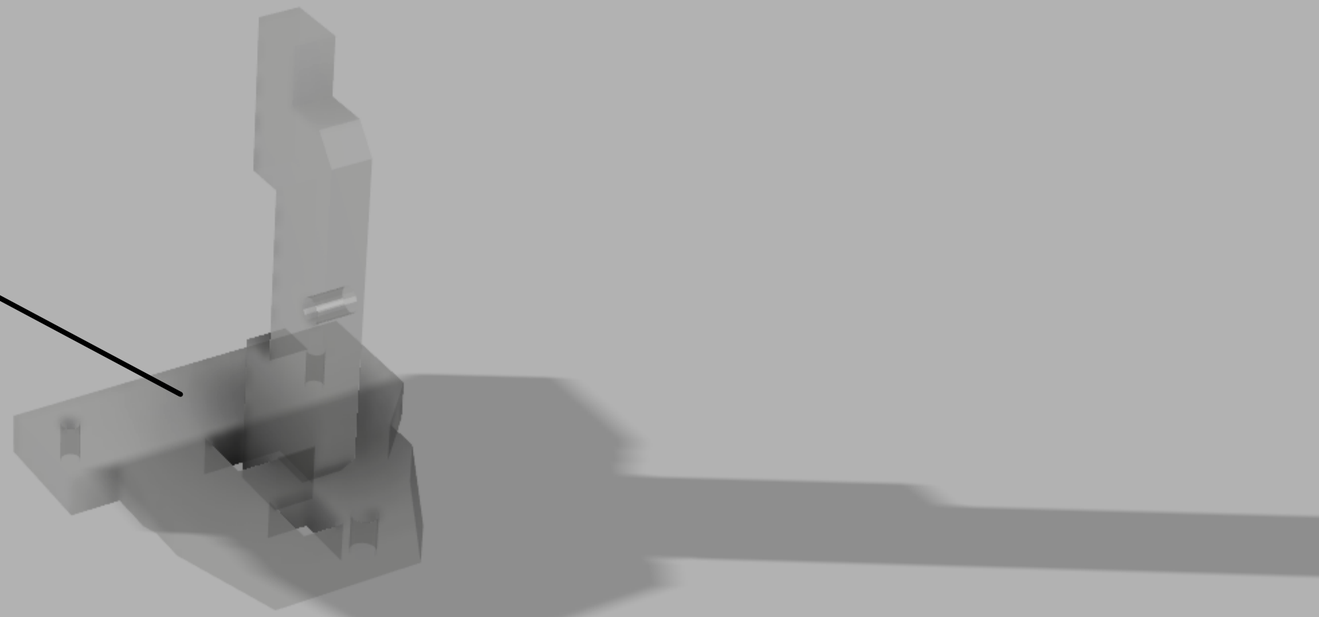
The second S is pressed onto the assembly.



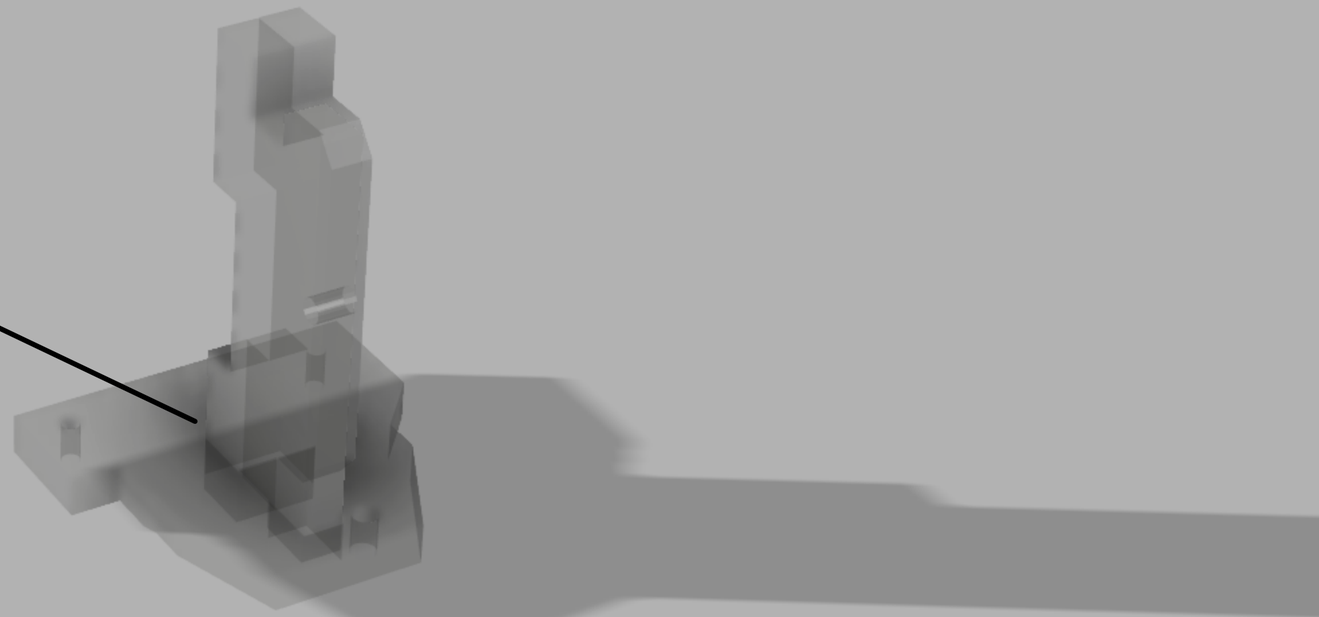


The assembly is attached to Z with #6-¾" bolts and nuts in the cruciform slots. The angle portion of S points away from the large hole in Z

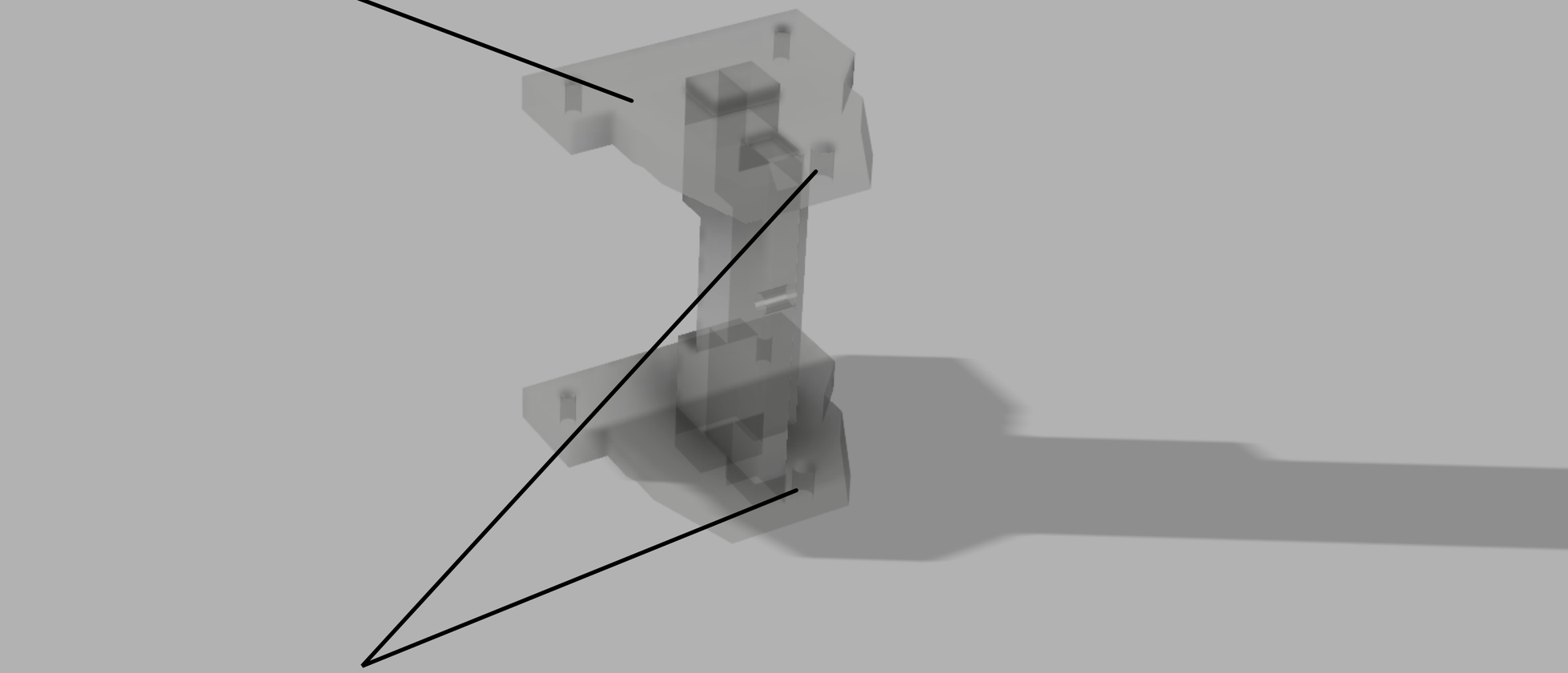
Place C into a slot in V



Next to C, slot D into place
covering the hole in C

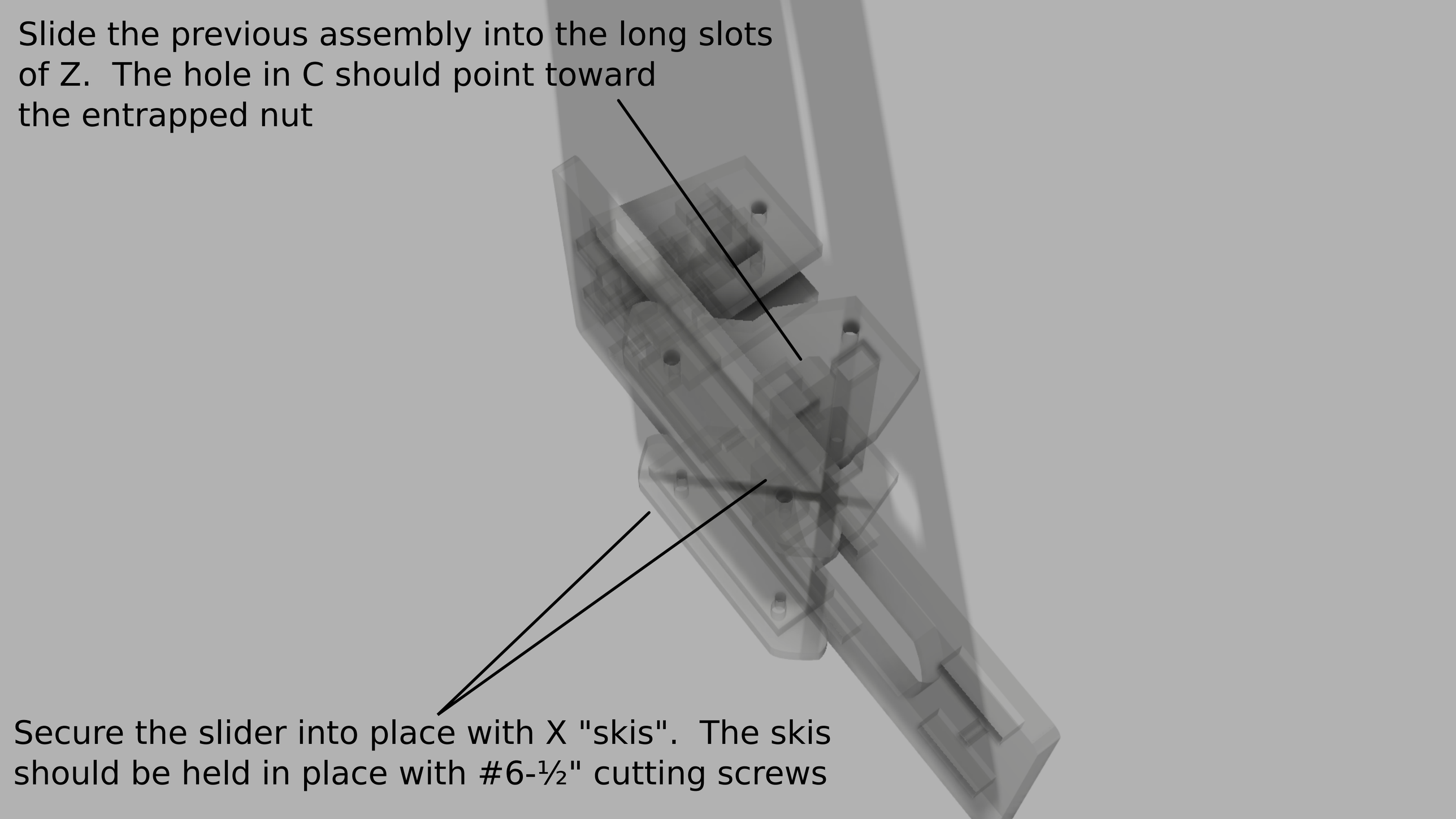


On the opposite side of this assembly,
attach the second V

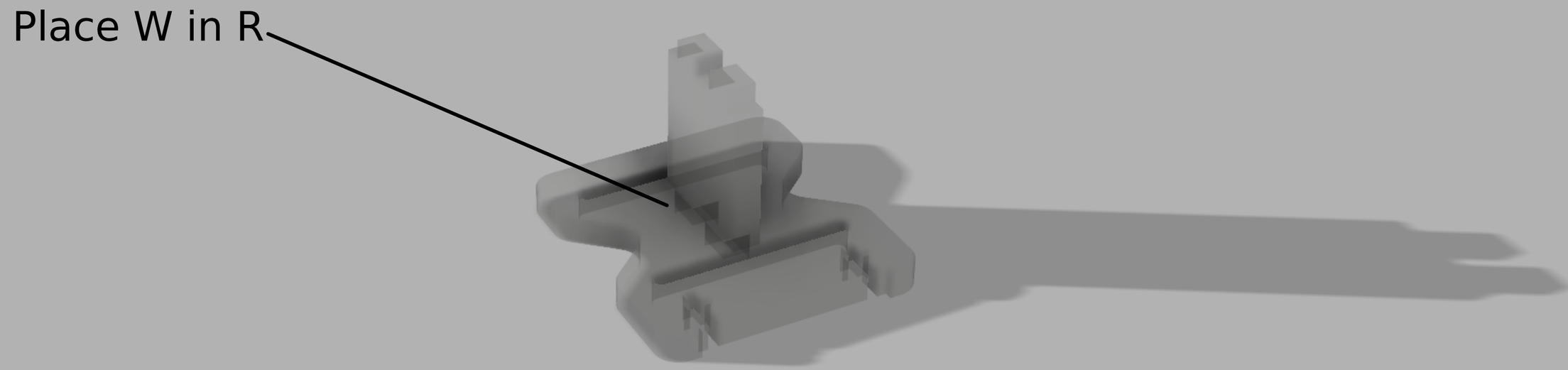


The assembly is secured in place with #6-2¾" bolt and nut

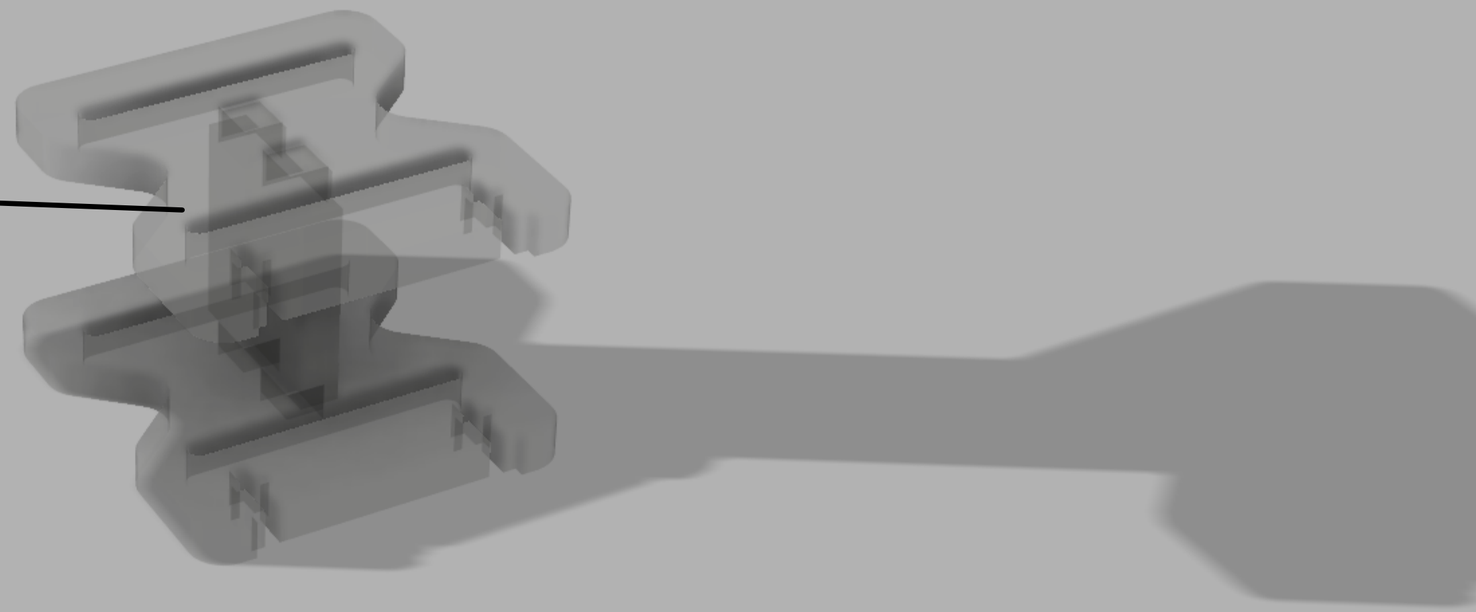
Slide the previous assembly into the long slots of Z. The hole in C should point toward the entrapped nut

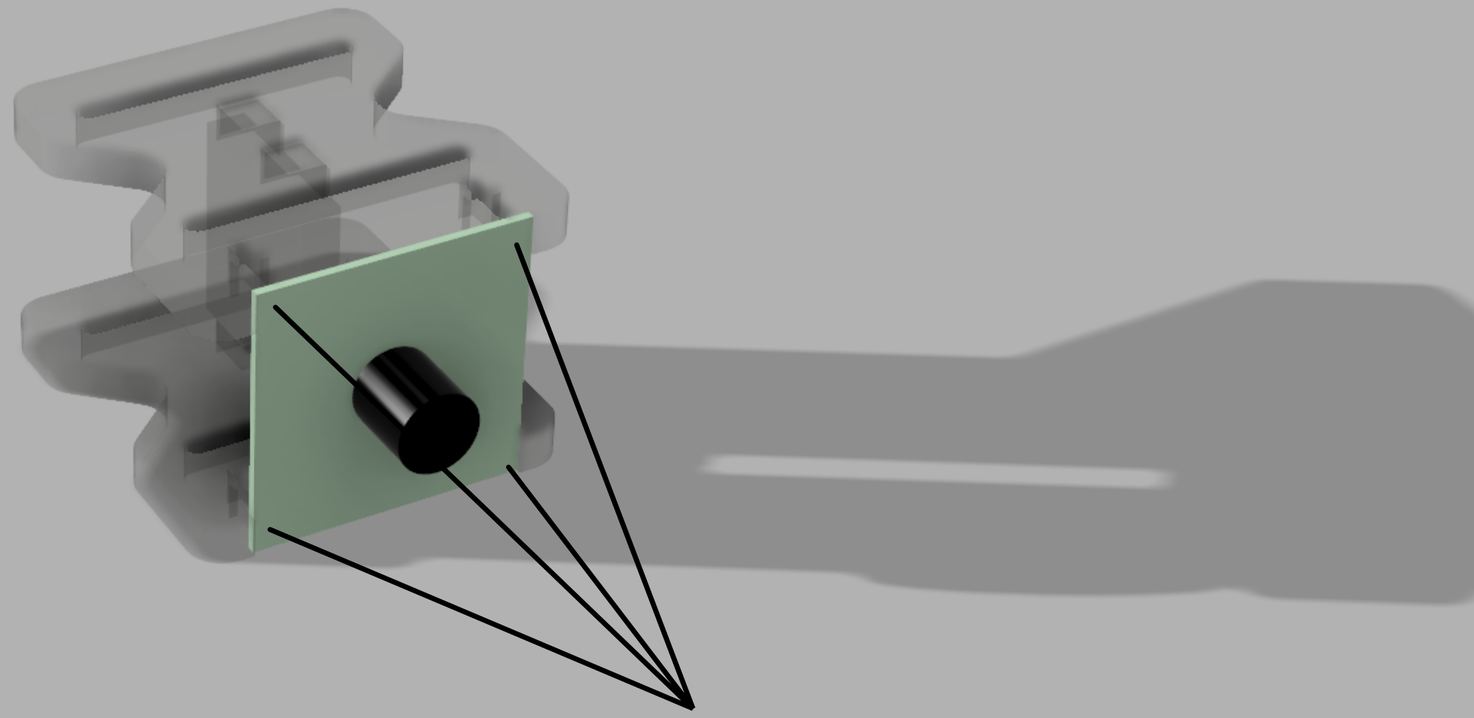


Secure the slider into place with X "skis". The skis should be held in place with #6-½" cutting screws


Place W in R

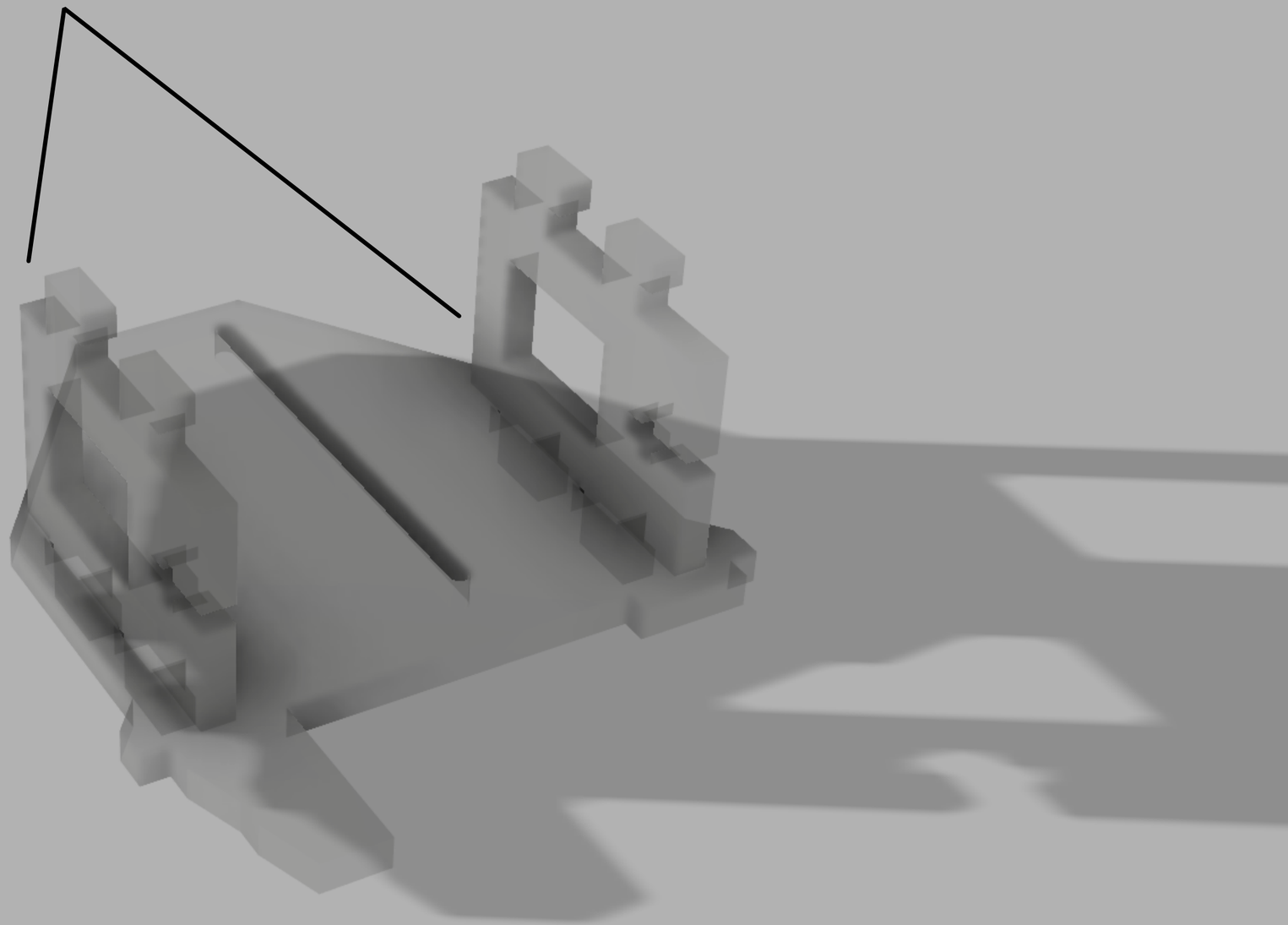
Sandwich R on the other side of W



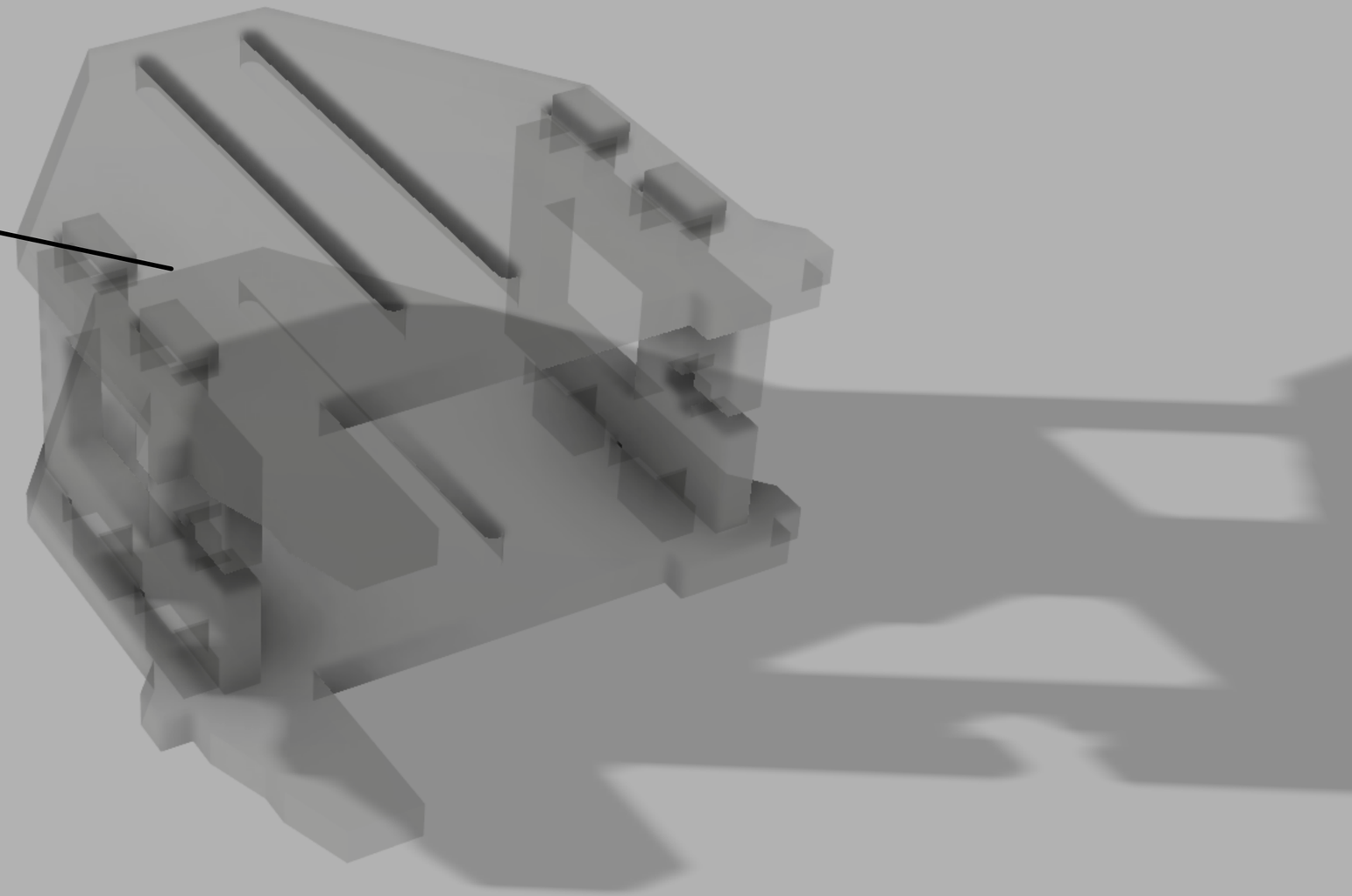


This assembly is held together using
the camera with M2 bolts and nuts

Click each Q into one of the Y parts

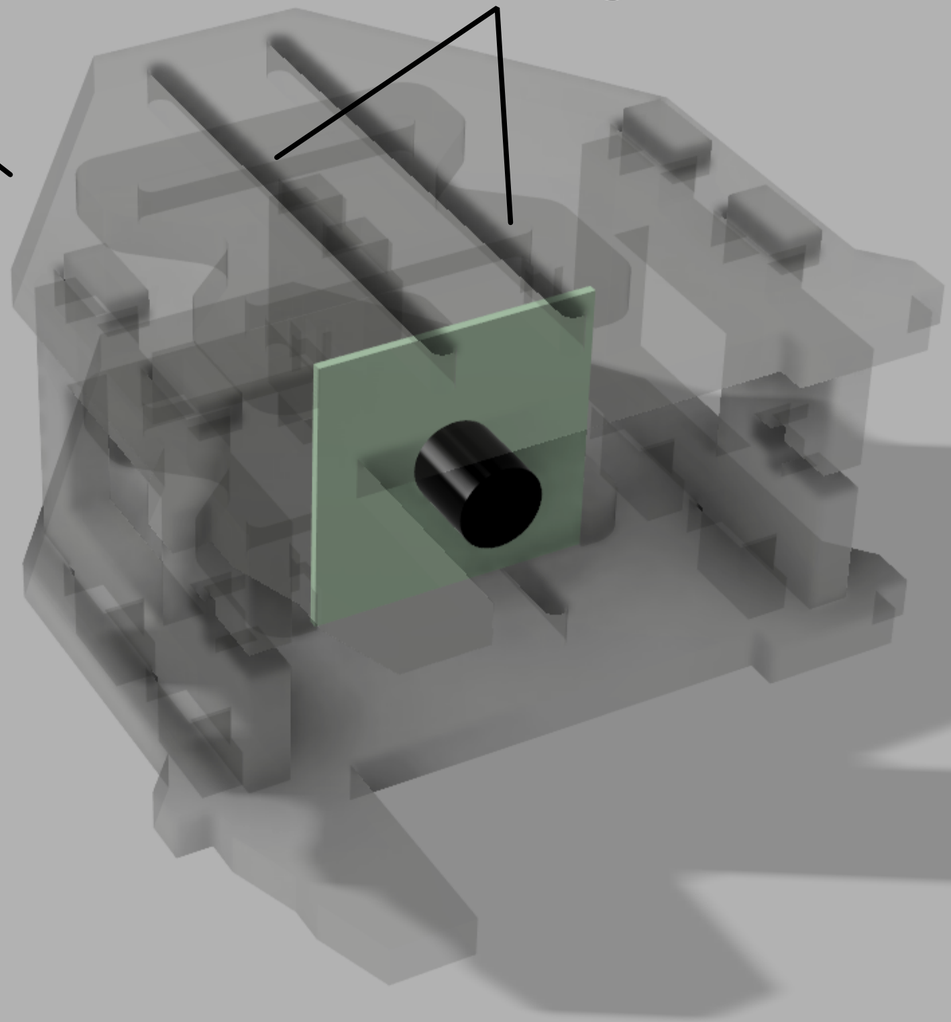


The other Y clicks on the opposite side of the assembly



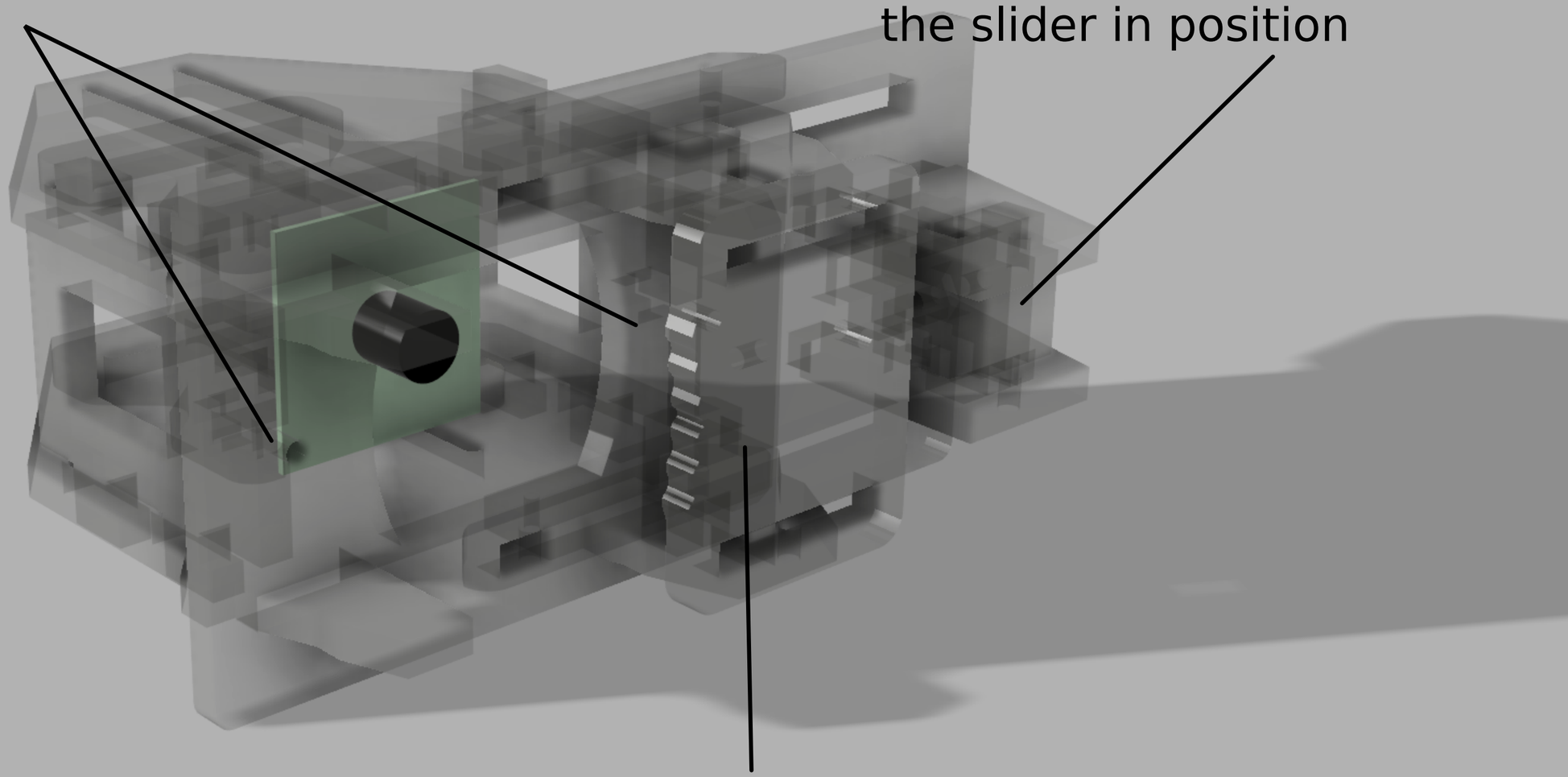
The camera assembly slides into the Y/Q assembly

Use two #6-2¾" bolts to hold the camera assembly in place. Use wingnuts here to keep it adjustable

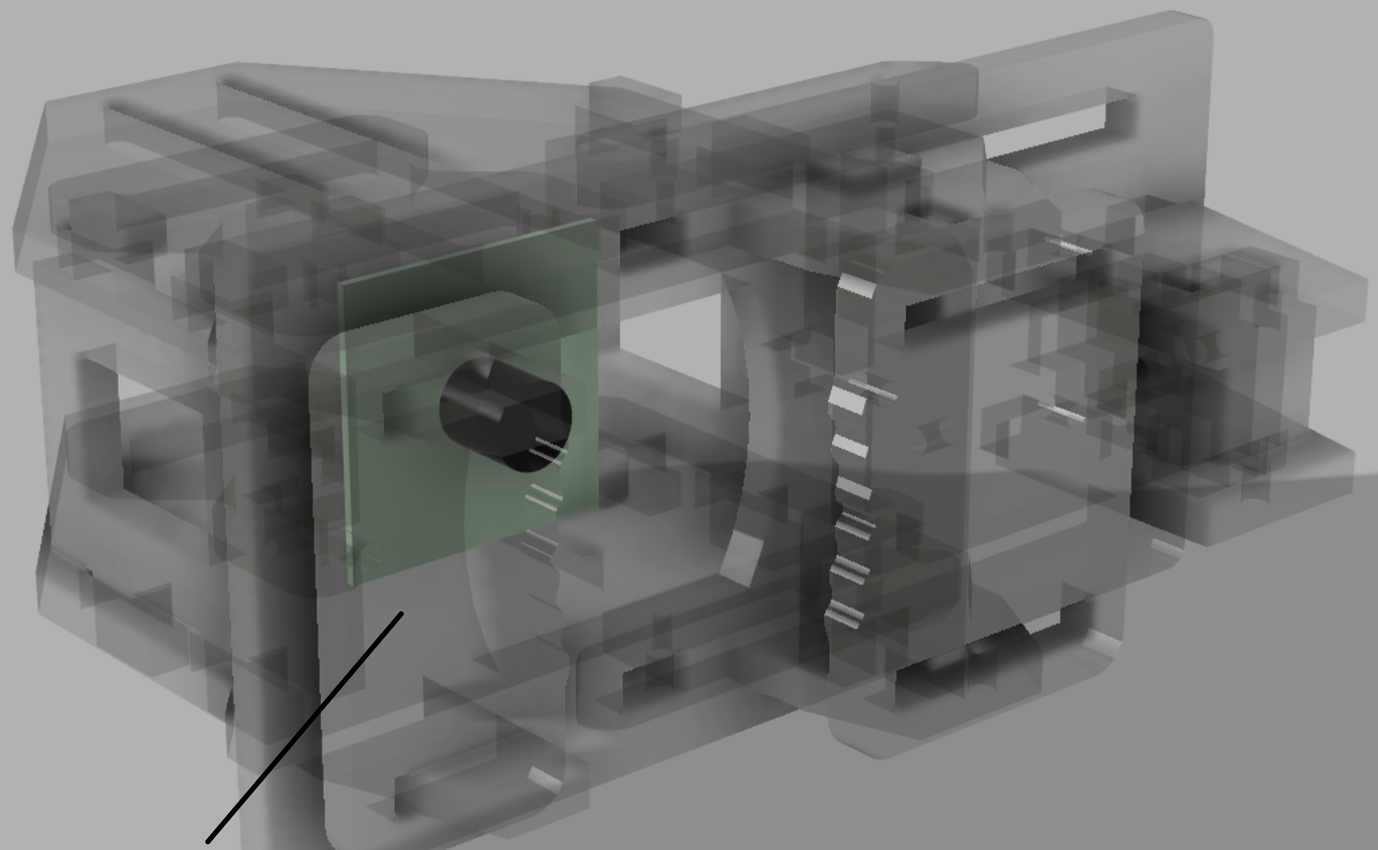


Attach the camera assembly to Z on the opposite side of the other parts using #6-¾" bolts and nuts

Insert a #6-2¾" bolt through the entrapped nut to hold the slider in position



E fits over the sliding clamp



Slide either E1or E2 (select which fits your scope best) into position on the non-movable potrusions. This camera attachment can now be mounted to your spotting scope's eyepiece