Assembly Guide for Minimal Turntable
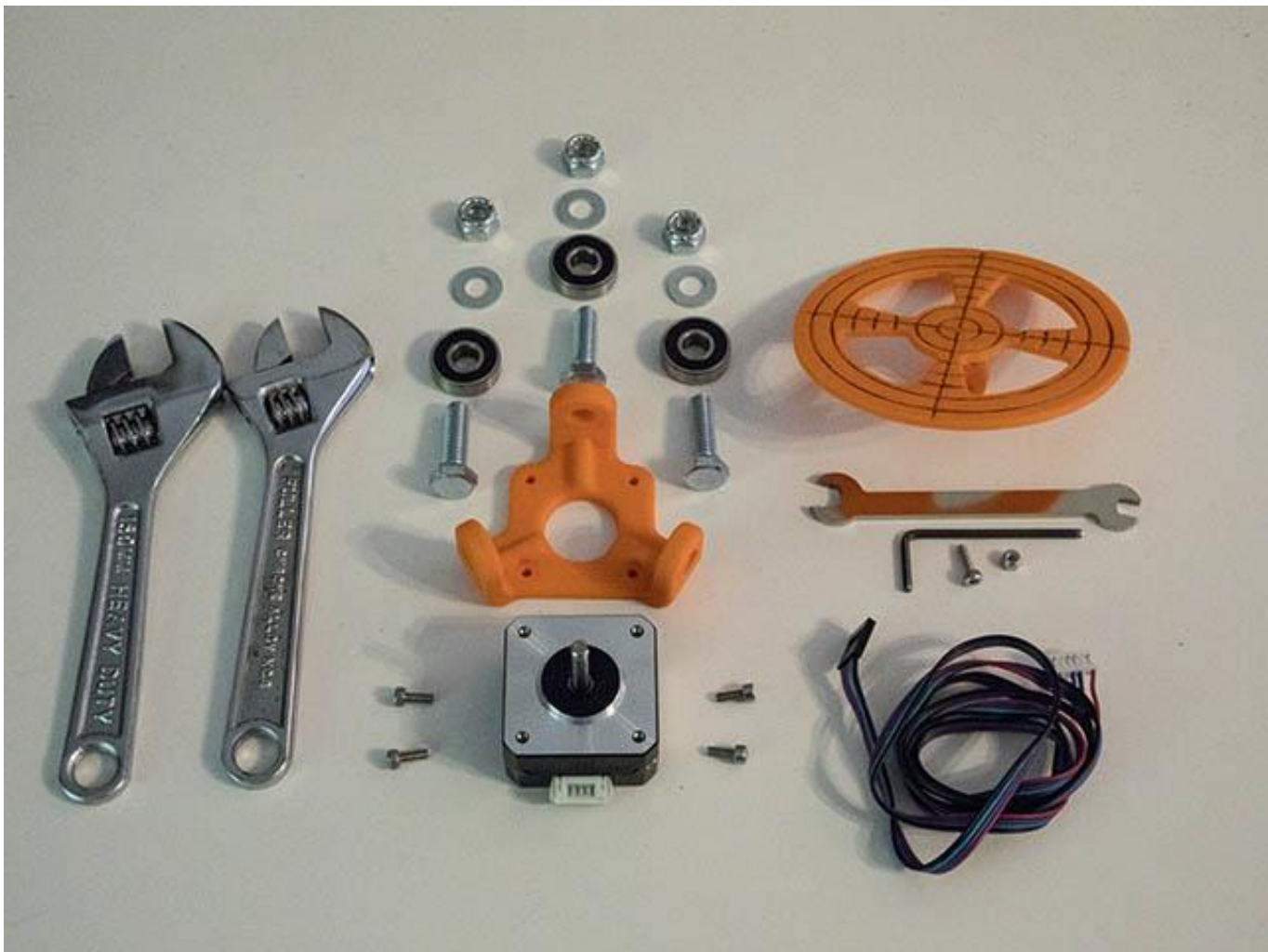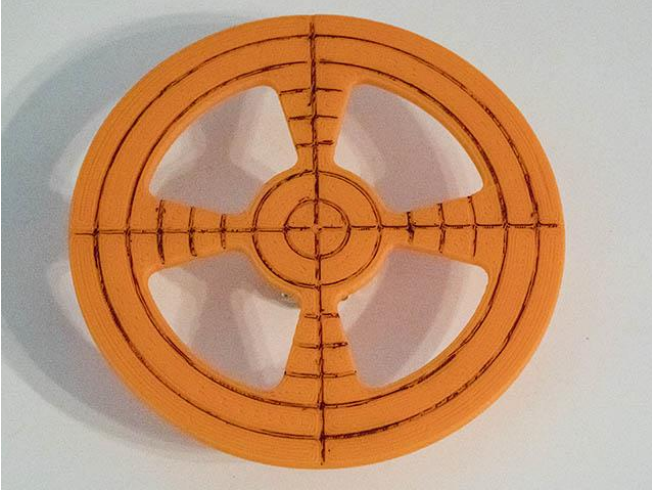
Parts Needed
Print:
1 - Turn_Base_V4.stl (at least 5 Perimeters & 50% infill)
1 - TurnTable_V4.stl (3 Perimeters & 20% infill)

Purchase these:

1 - Nema17 motor (I am using a pancake size, but any size should work)
3 - 608-2RS bearings
3 - 5/16"x1" Hex bolts (or 3 - M8x25mm)
3 - 5/16" washers (or 3 - M8 washers) (I found 1/4" washers also work with 5/16" bolts)
3 - 5/16" Locknuts (or 3 - M8 Locknuts)
1 - M3x10mm screw (to lock turntable to motor)
4 - M3x8mm screws (attach plate to motor) (10mm seemed too long for pancake motor)

Use sharpie to fill in concentric circles & 4 quadrant lines. These lines help to center the object visually on turntable.

Attach M3x10mm screw & locknut to Turntable, but do not tighten. It is easier to put this hardware on before attaching to base assembly.

Attach Bolts through the base top holes with bearings on the other side, then a washer & a locknut & tighten. Make sure the bearings still turn but are not wobbly.

Attach motor with 4 - M3x8mm screws and tighten. I included 4 – M3x2mm spacers if you want to use M3x10mm screws with a pancake motor. The M3x10mm will probably work with deeper motors.

Attach turntable to motor shaft & push down until bottom of table touches bearings. Then tighten the M3 screw to the locknut. Test to make sure turntable does not pull loose from shaft. Attach motor wire & you are done.