# Turntable Building Instruction

## 3D printing

Print the bracket at 200um spacing, using PLA

## Building turntable following Peco Instructions

Extra items:

* 4mm rod cut to 28mm, and take sharp edges off using a grinder.
* A 4 to 5mm stepper motor coupler
* magnet

At step 4, fit the magnet to the bottom of the deck using hot glue, ensure that is position in the centre with North South poles in line with the deck (not across the deck). Before gluing test with the hall effect switch, it is only activated by one pole of the magnet!

Choose a position for the home switch so that the power pickups are in the middle of their travel.

At step 7, don’t fit the drain covers, instead, drill a 3mm hole in the centre of the area where the cement covers would be fitted.

At step 9 fit the rod to the bearing support, tapping in using a small hammer, leave approx 15mm showing.

Mount the stepper motor to the bottom of the bracket using 4 x8mm 3mm bolts.

Assemble and test the PCB and mount to the top side of the bracket (with the pillars), hold in place using 4 x 10mm 3mm bolts and suitable nut