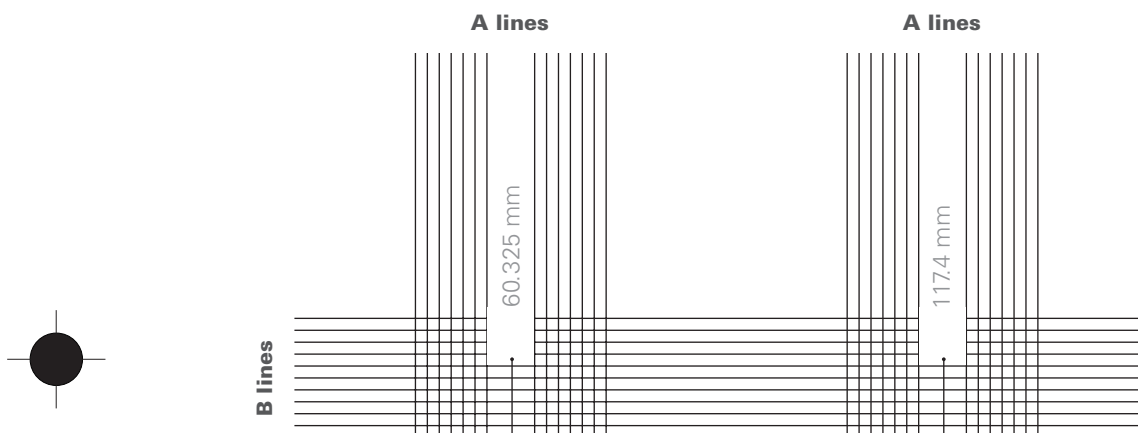


# Cartridge/Headshell Adjustment

When installing a new cartridge or new headshell on your AT-LP120-USB or AT-LP1240-USB



## Cartridge Alignment Procedure

When installing a new cartridge or headshell on the AT-LP120-USB or AT-LP1240-USB turntable, leave the mounting hardware just loose enough that you can move the cartridge forward and backward in the headshell with moderate effort. It is important that the mounting hardware not be too loose.

1. Print the protractor to actual size. To check the sizing, measure the distance from the crosshairs at the center spindle dot to the inner null point dot. The distance should be exactly 60.325 mm. Next measure the distance from the crosshairs to the outer null point dot. The distance should be exactly 117.4 mm.
2. Carefully punch out the large center spindle dot and place the protractor over the center spindle.
3. Place the stylus tip on the outer null point (117.4 mm) dot. While keeping the tip centered on the dot, align the stylus cantilever (the small tube that extends from the cartridge body and has the stylus attached to it) to the lines on the grid. If the cantilever is not easily seen, align the sides of the cartridge body to the lines on the grid instead. The cantilever or cartridge body sides need to be parallel to lines A. The front of the cartridge needs to be parallel to lines B. Please note that the sides of the cartridge body may not be parallel to the headshell when done.
4. Repeat step 3 at the inner null point (60.325 mm) dot. Tighten the mounting hardware until snug. Do not overtighten the hardware. You have now set both the stylus overhang and tangency for your cartridge.

