

INSTRUCTIONS FOR THE AccuTrak UNIVERSAL PROTRACTOR

NOTE: Steps 1 through 5 are used for the paper version of this protractor, which is generally received via email or download. If you are using the plastic production version of this protractor, skip to step 6.

1. Print the protractor to full size (100%)
2. Use a ruler to measure one of each of the scales in the horizontal and vertical (1 inch or 20 mm). If the scales measure correctly, the protractor is sized correctly.
3. Using scissors, trim the protractor to the outer lines.
4. The center hole must be cut as precisely as possible. Use an exacto blade or something similar to do this. Be patient, work slowly. Do this right the first time.
5. Place an old beat up album (or something of similar thickness) on the turntable platter and secure it so it will not move.
6. Place the protractor on top of the LP if using the paper protractor. Place the protractor directly on the platter if using the plastic protractor.
7. Use any method you choose to lock the turntable platter in place.
8. Choose the sight line that corresponds to the desired alignment method. For illustration purposes, the Baerwald alignment grid is used. The same method works for either of the other alignments.
9. Aim that line at the tonearm pivot point and tape the protractor to the LP (for the paper version) or to the platter (for the plastic version) so that it will not move.
10. (10a) Using the corresponding inner grid (B66 for Baerwald), align the cartridge so that the stylus sits in the center of the crosshairs in the center of the small circle and (10b) the cantilever aligns with the center line of the grid. Alternately, the sides / front of the cartridge can be aligned to the grid lines (although this is generally not considered the preferred method).
11. (11a) Once the cartridge is aligned to the center grid, check the alignment by rotating the platter and moving the stylus until it sits in the center of the circle in the corresponding outer grid (B120.89 for Baerwald) with (11a) the stylus sitting in the center of the crosshairs in the small circle and (11b) the cantilever aligning with the center line of the grid. If the cartridge was aligned correctly to the inner grid, it will also align correctly to the outer grid. If the stylus does not align correctly to the outer grid, it most likely means that the sight line was not pointed exactly at the pivot point of the tonearm during the initial set up and the process needs to be repeated beginning with step 8.



