

# Instructions for using the Arc Protractor

For

Technics SL-1200 mk2/5 standard fitment Arm

## Pre requisites

Print off the template on thick paper or thin card. Make sure scaling is set to NONE.

Check the 215mm horizontal and 150mm vertical dimensions for accuracy.

Cut out the spindle hole (in the square) use a pin or a scalpel/craft knife. (snug fit on spindle)

Once checked for accuracy, cut along the dotted line and discard the right hand portion as it will get in the way and contact the arm base.

Level the Deck. And place a scrap LP on the platter mat.

Set the VTA so the Arm is Horizontal when the stylus is on the record.

Set the Anti skate to Zero.

1). Lock the position of the platter - I use a thin wedge cut off an Eraser and jam it in the gap between the platter and top plate.

2). Put the protractor on the spindle and rotate it to a position where the stylus tip will trace the 230mm arc over the whole of its sweep. You may have to move the cartridge back/forward in the headshell to achieve this. Once done do not move the protractor again.

3). Move the arm so the stylus is on the Inner null point. (Use the cue lift)

4). Twist the cartridge in the slots until the stylus cantilever lines up with the centre line when viewed from the front. This is not always easy to see and as an aid I stick a small strip (70 x 5mm) of thin card along the side of the cartridge with double sided tape. Press it on to your sweater a few times before fitting or you will have difficulty removing it. This aid only works if your cantilever is straight and central in the cartridge and if you have a portion of the side of the cartridge that is flat and parallel with the cantilever - most do. If not it might be possible to mount the card on the nose of the cartridge and line this up with the short lines across the grid. Sight the card from above and twist the cartridge until the card looks parallel with the grid lines when the stylus is on the null point. Tighten the cartridge screws.

5). Go through the whole process again including checking the stylus sweep on the 230mm arc. This is to check nothing moved while you were working. If it all lines up still you are done, if not re adjust and double check.

If the alignment is done for one null point it should be correct for the other, for piece of mind you can lower the stylus on to the second point to check.

6). Re set your Stylus Pressure/Anti skate/VTA and don't forget to remove the rubber wedge.

You are DONE.

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