

Airtangent 2002

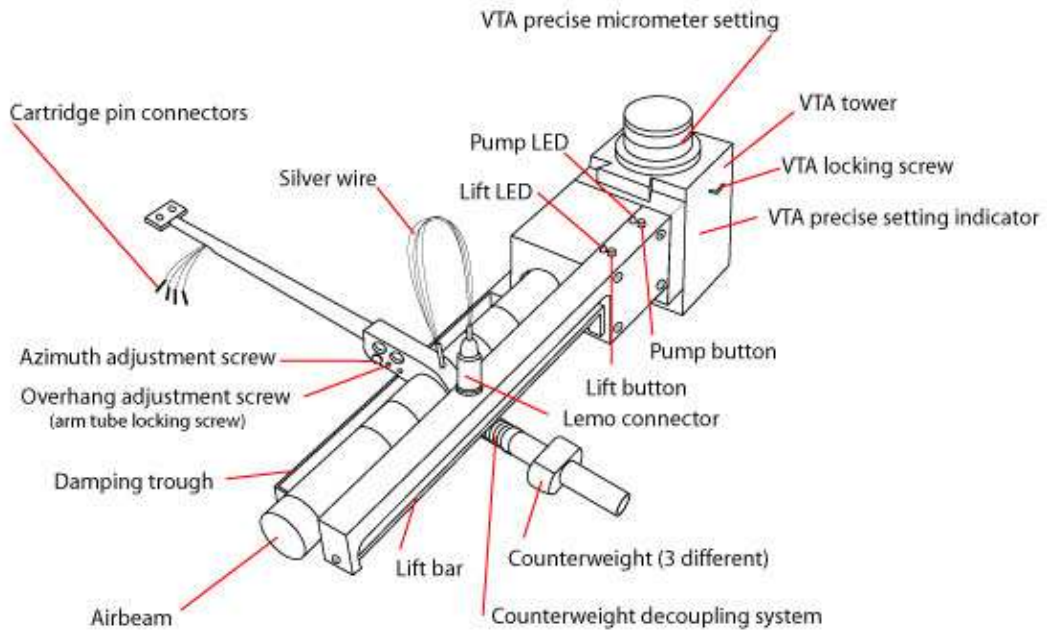
Instruction Manual

By Achilles Chroneos

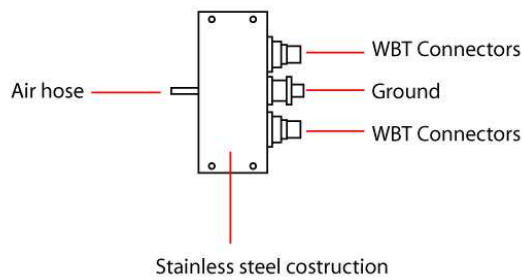
CAUTION

NEVER SLIDE THE MOVING CYLINDER
ON THE AIRBEAM WITHOUT AIRPRESSURE

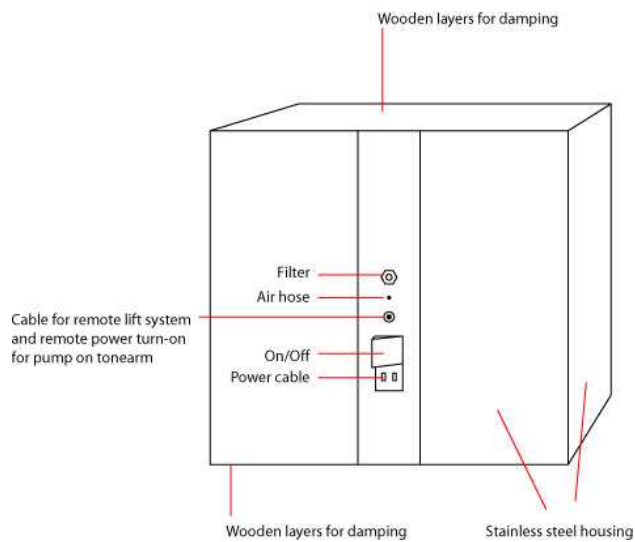
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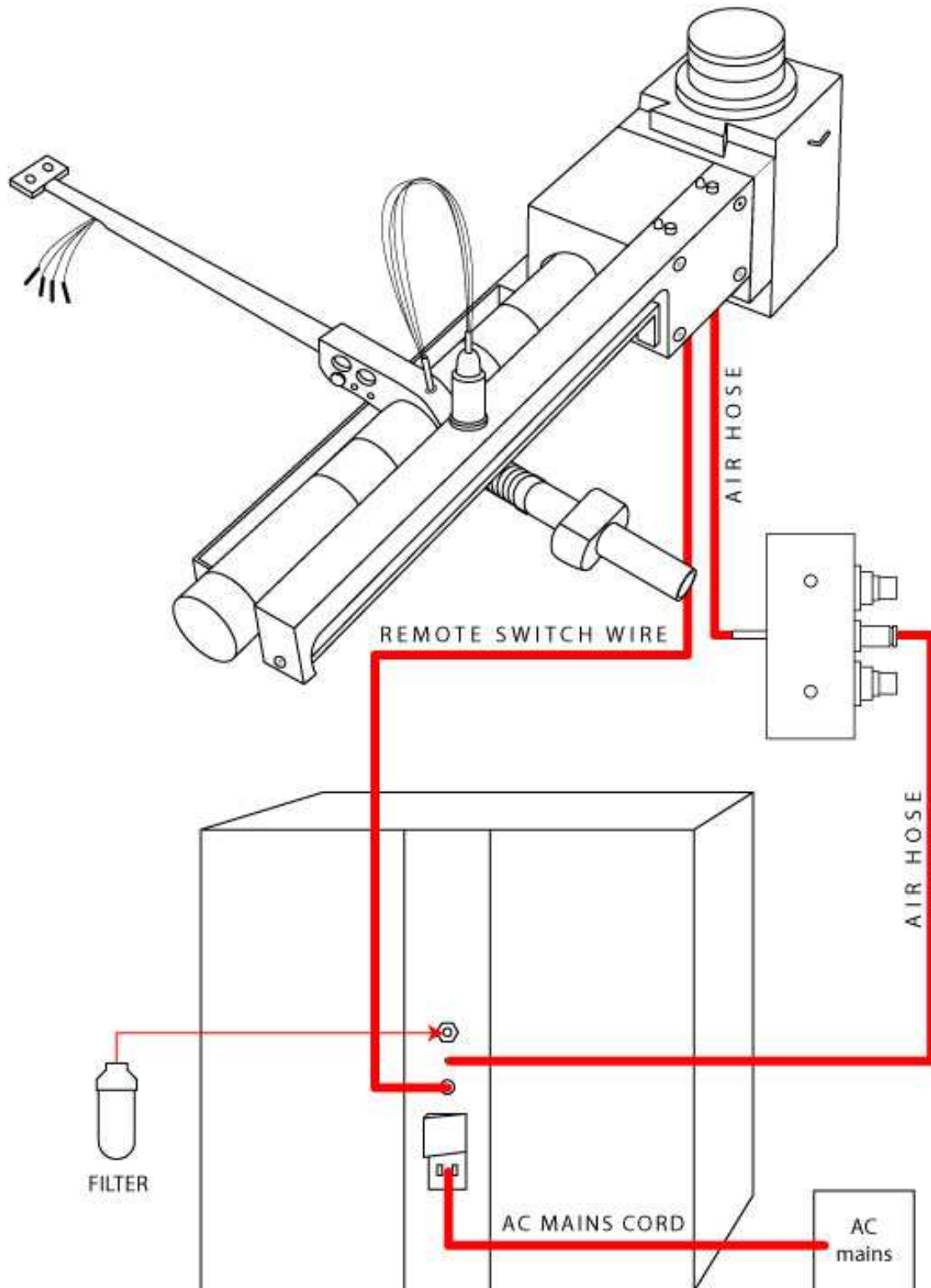


Junction Box



Pump





- **Check first that the specified voltage corresponds with the voltage in your area**
- **Always use the air filter or you may damage your tonearm**

Position the template as shown and insert the two spikes into the two small threaded holes in the template. Adjust so that the spikes almost touch the armboard on the turntable. (To avoid scratching the armboard-cover with tape and paper).

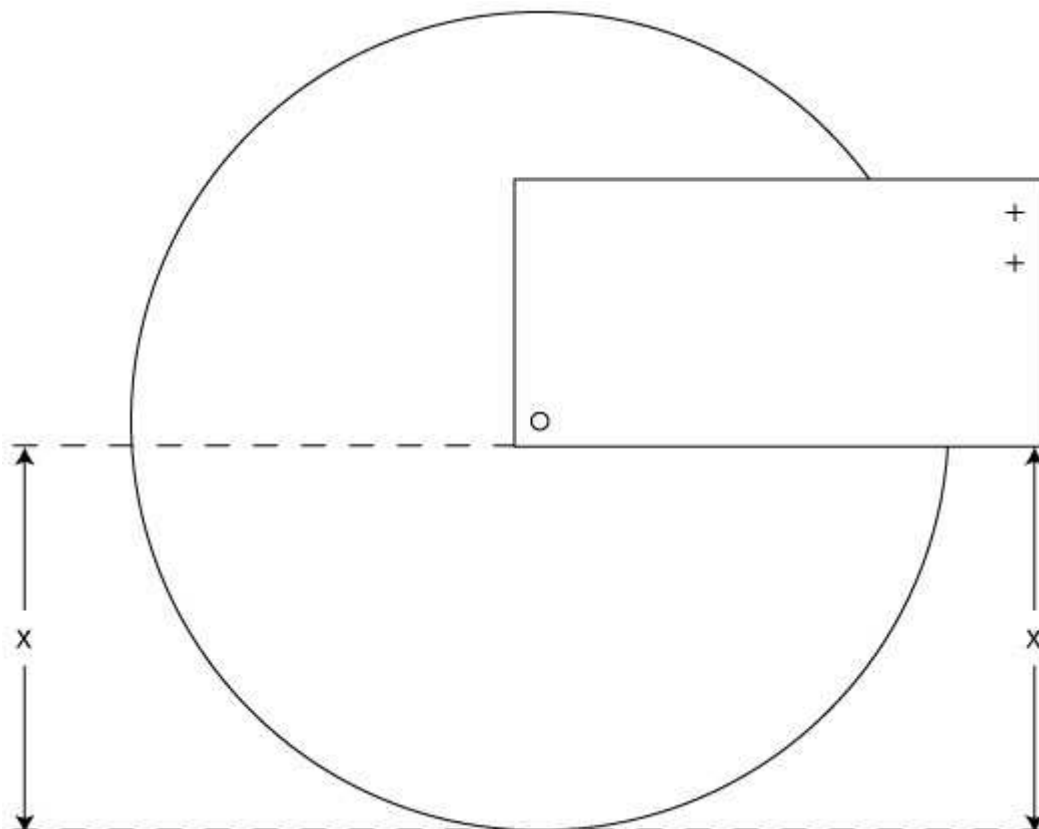
Adjust to exact location and knock with hammer to mark position for drilling.

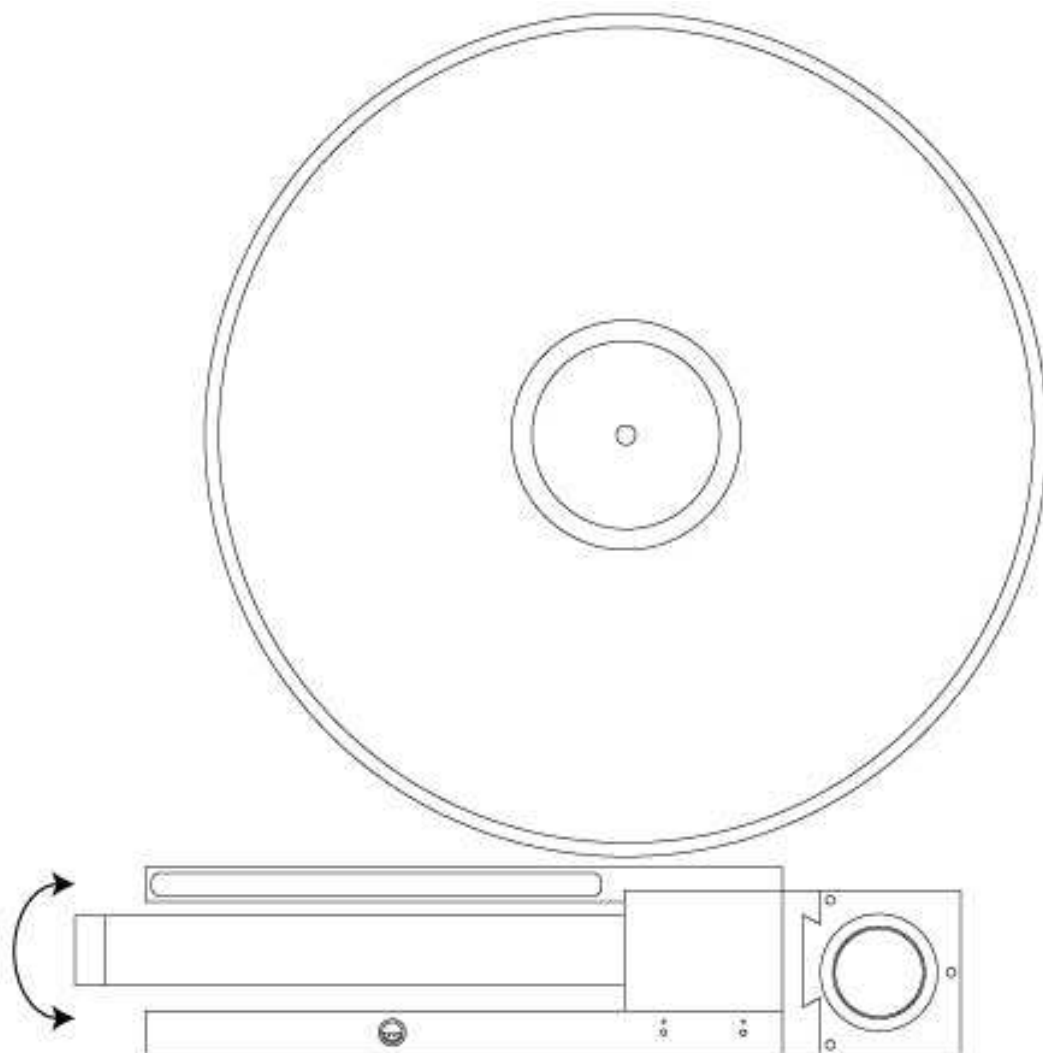
Drill two 12mm holes through the armboard of the turntable.

With lines parallel as on the above illustration-the airbeam will be parallel to the side of the turntable.

Remark.

Besides the appeal there is no reason to why the arm must be parallel, and on some turntables it is not even possible.

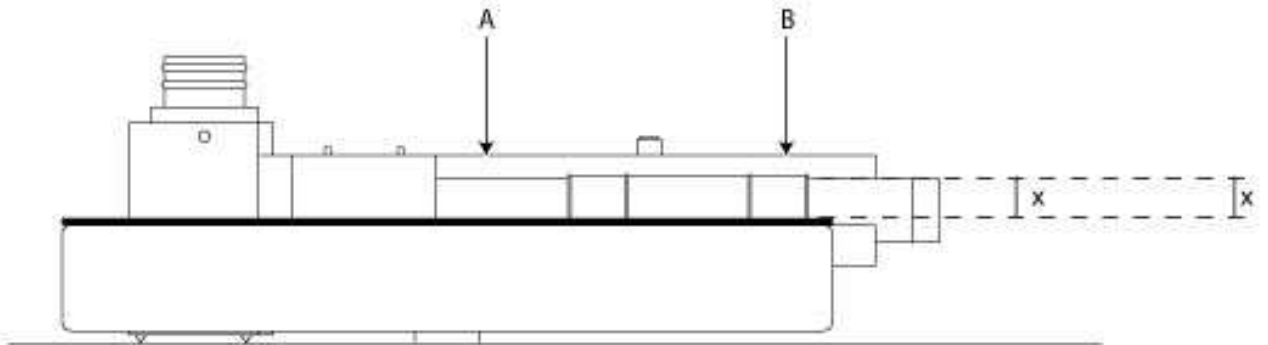




Lock underneath the VTA tower and locate the three grip screws. Make sure these three screws do not stick out.

Place the arm (house and airbeam) onto the turntable with airholes and wires through its holes and the main mounting bolt from underneath the armboard. Screw in the main mounting bolt. Fingertight only so that it is still possible to move the airbeam to the sides (in an arc around the bolt)

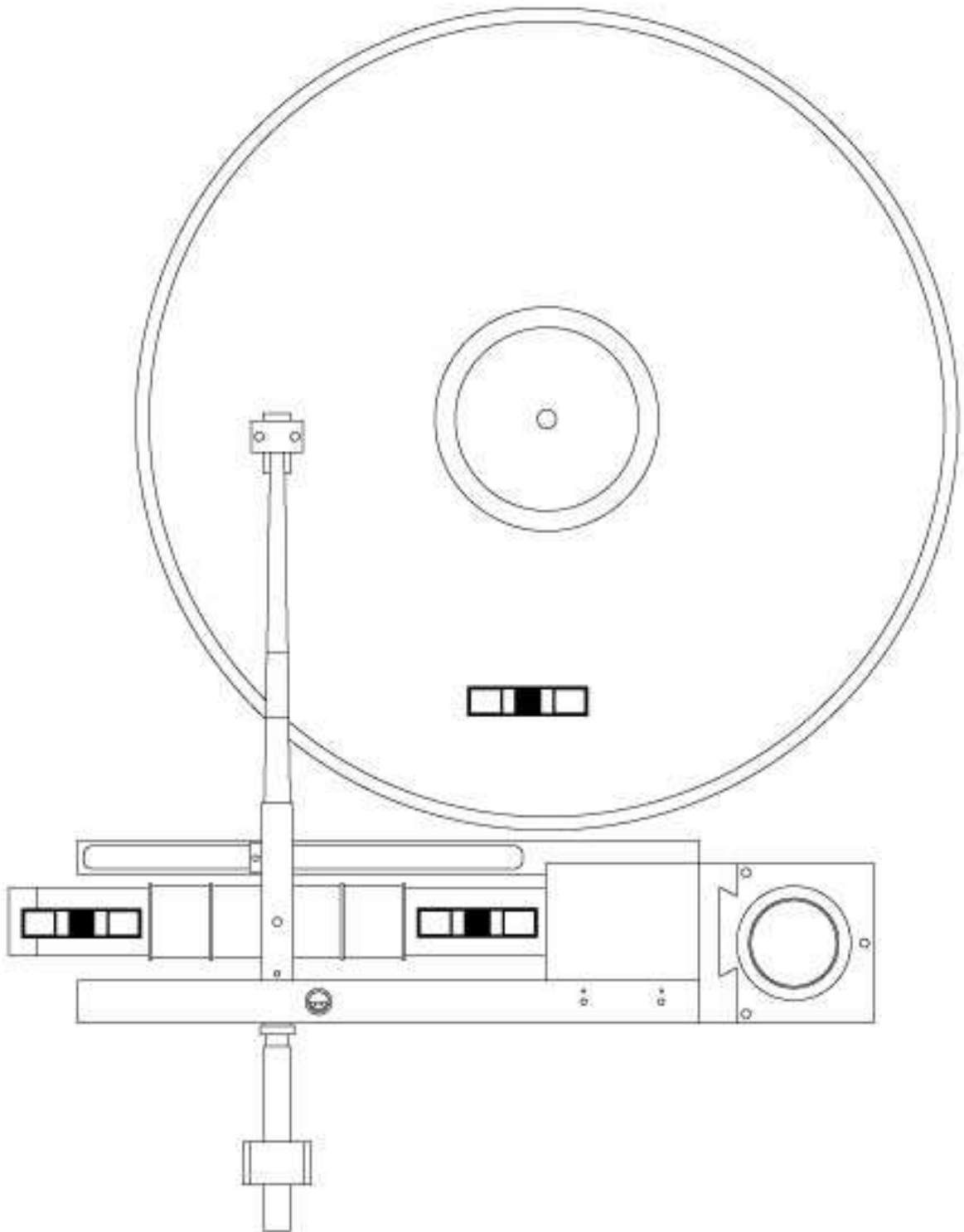
Fineadjust the position of the arm and make adjustments of VTA and arm length as per page 6 and 7.



After positioning as per above illustration and adjusting arm length and VTA, then screw down the three grip screws until they touch the armboard.

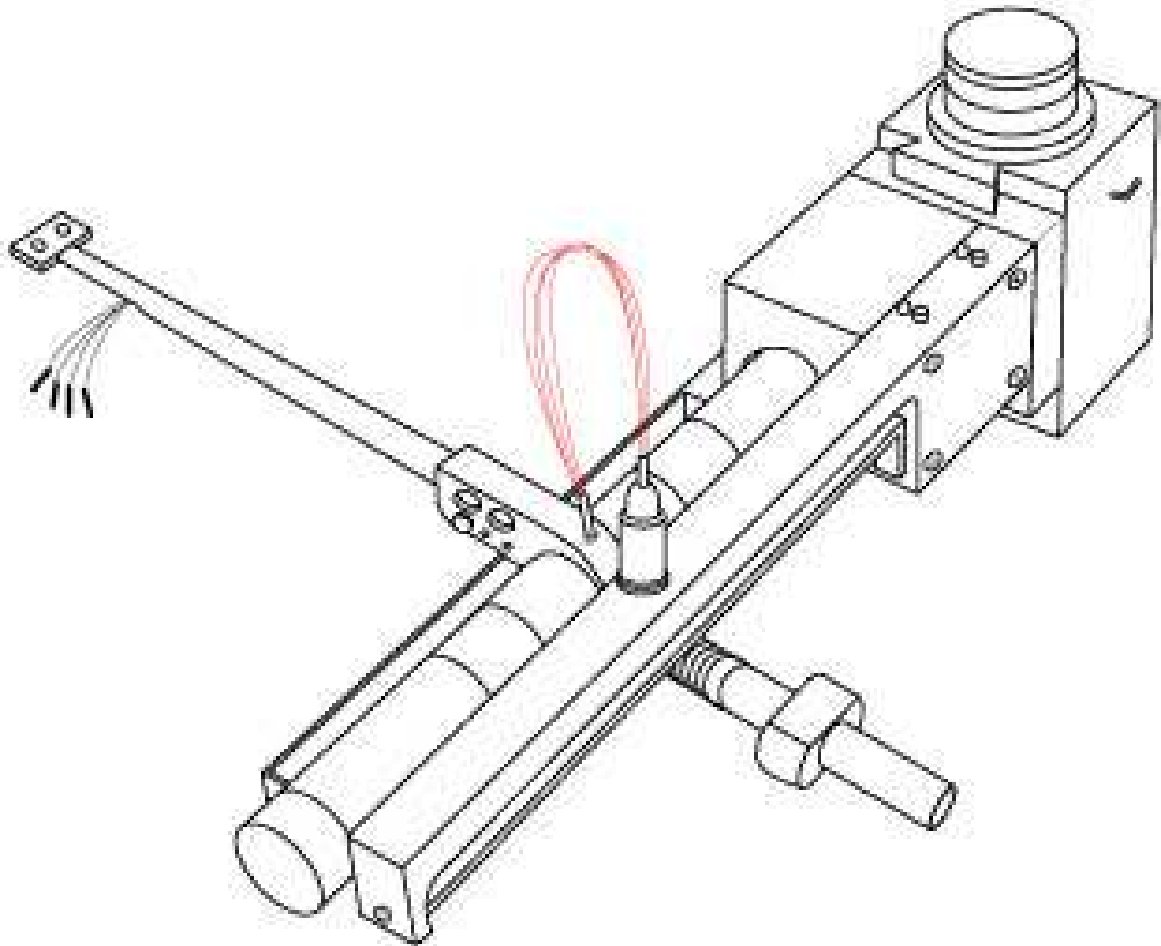
Now mark the present (average) VTA settings with a piece of tape on the side of the rail on the VTA tower.

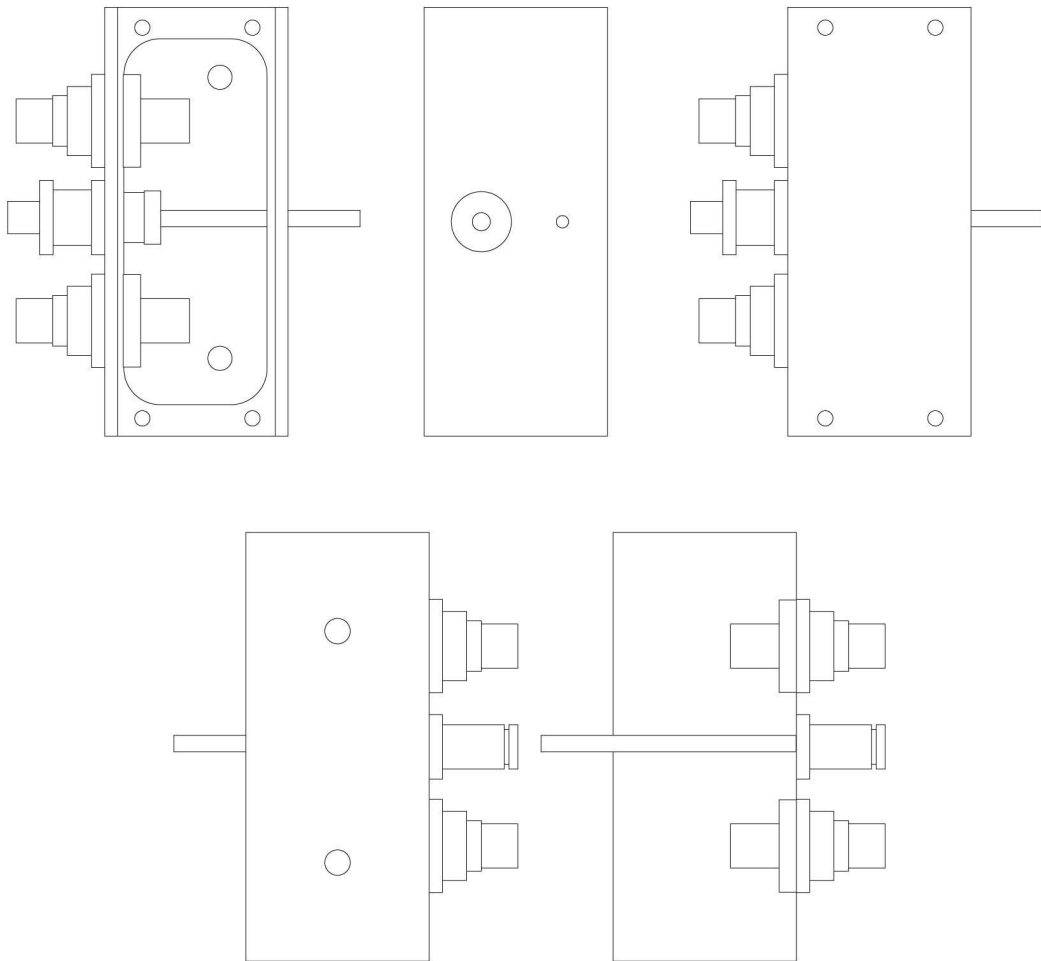
Hold a ruler across the platter and bring the airbeam up where it touches the ruler. Adjust the three grip screws while alternating the ruler between position A and B on above illustration. Adjustment with grip screws shall be made so that the airbeam is parallel to the platter.



Small bubble levels can be used for accurate leveling.
Adjust VTA back to average position marked with tape.

The wires from the moving assembly to the Lemo-connector shall be formed as on the drawing below to minimize friction from stiffness of the wire itself.

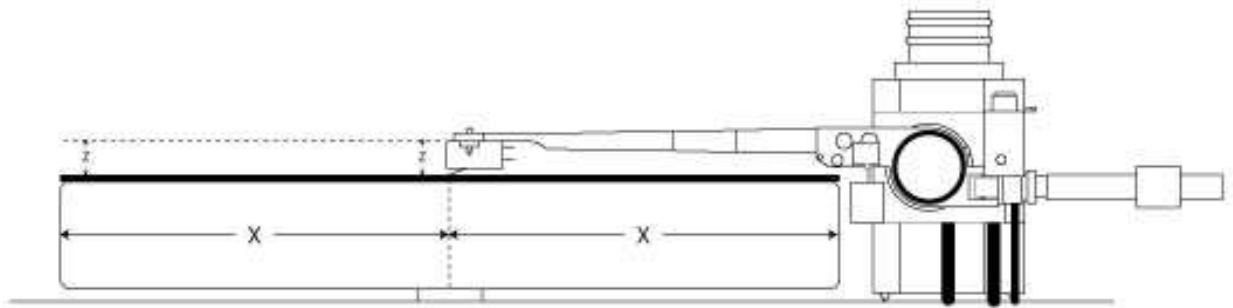




From the underside of the tonearm's airhouse comes a group of 4 audio signal wires, within one shield.

With the tonearm comes a connection box with WBT connectors, a ground binding post and a junction tube for use between the airhose from the pump and the hose underneath the armbase.

Open the box and solder the 4 audio signal wires to the WBT connectors.



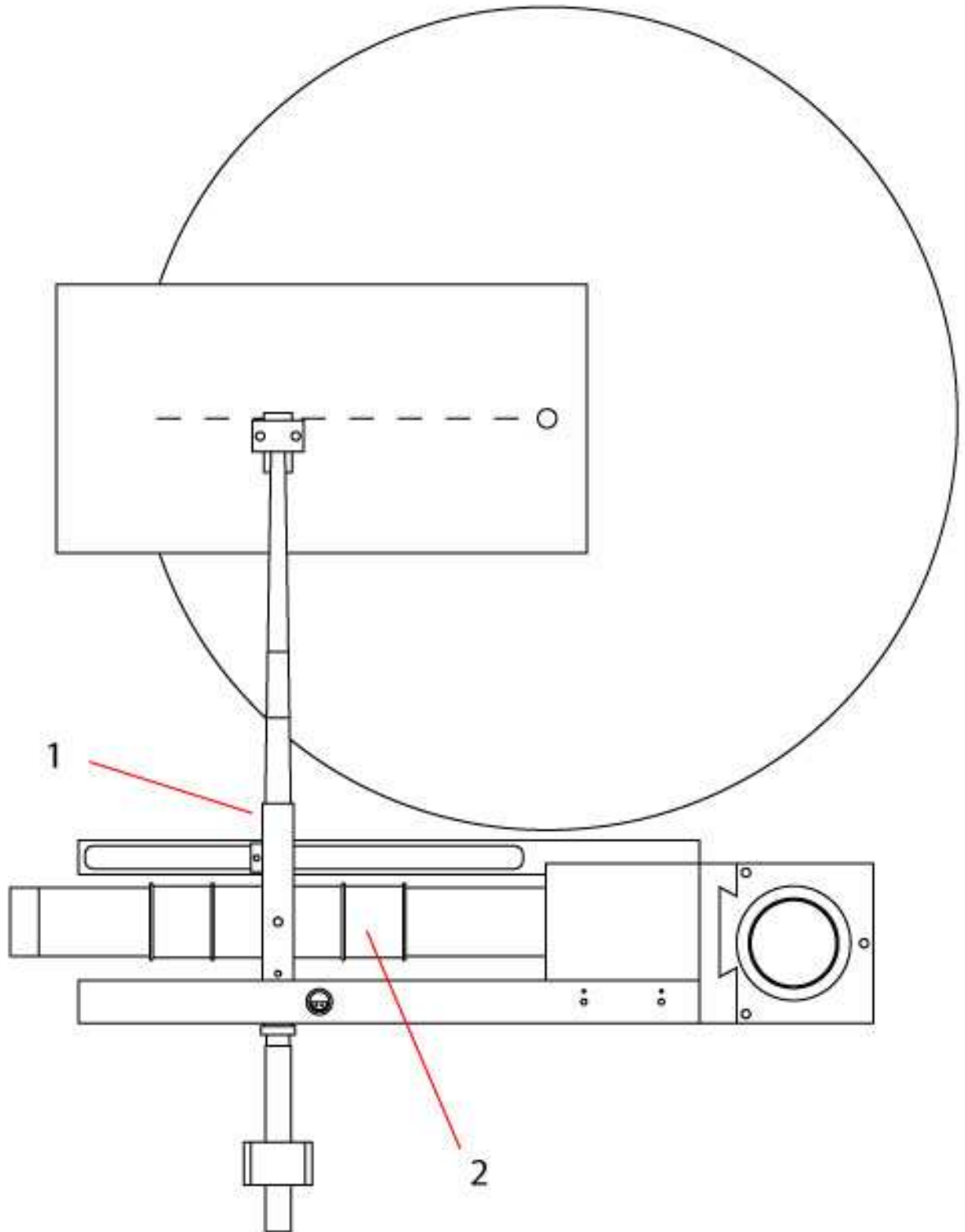
Place the template on the spindle.

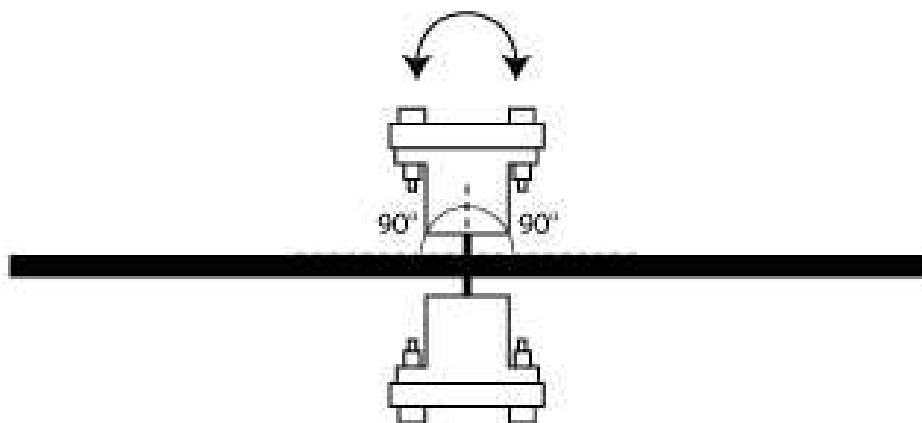
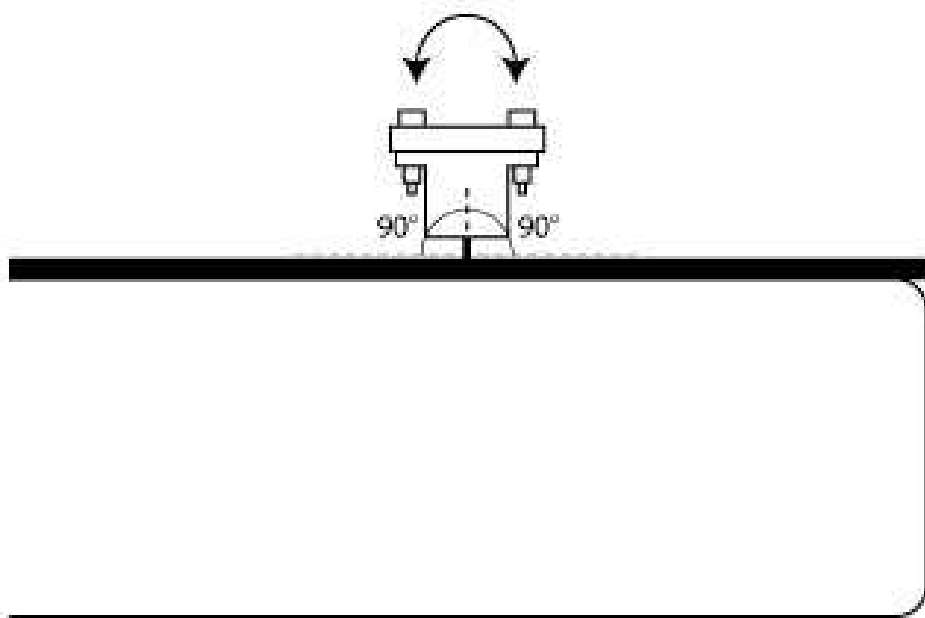
Unlock the VTA locking screw half a turn, this screw is located on the side of the VTA tower on the same side as and behind the armlift mechanism.

Lower the cartridge to template.

Adjust VTA so that the cartridge-mounting platform is parallel to the surface of the template.

After the entire installation has been completed listen to a variety of familiar records and fine adjust.





Unlock, but do not remove screw (1) to release armtube for adjustment of length and azimuth.

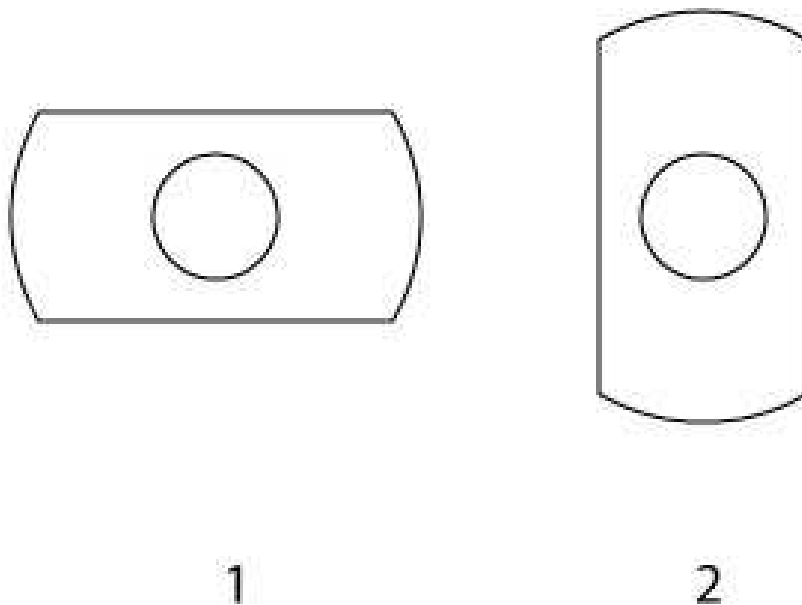
With the airpressure on slide moving ass'y (2) over the length of the airbeam and adjust the arm length so that it exactly follows the red line of the template.

If necessary – fineadjust again angle of the airbeam.

Three counterweights come with the arm. They may be used either laying or standing. Different turntables require different positions.

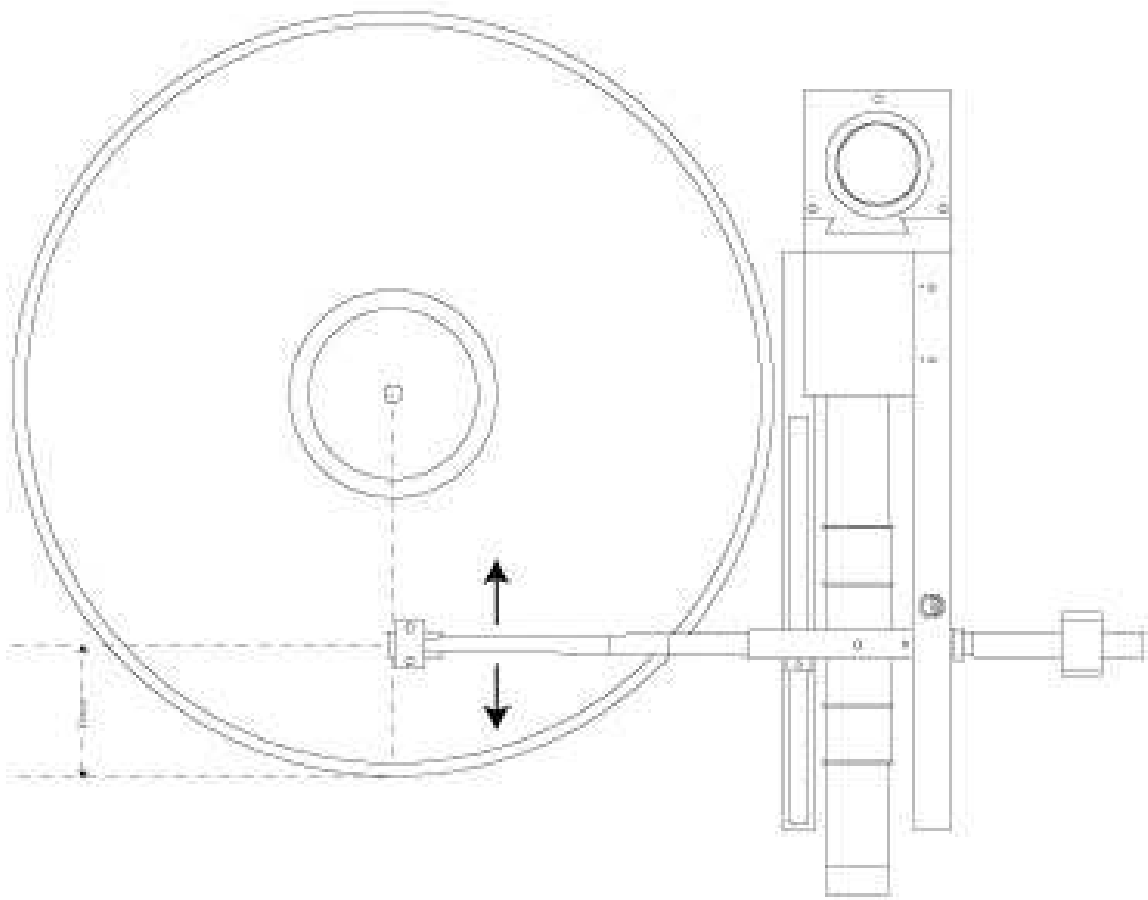
With some cartridges it will be possible to use either the large weight way in on the counterweight shaft or the small way out.

Which one of that will sound the best differ from cartridge to cartridge but most times the lighter counterweight will give the best result because of the additional weight the large add to the moving assembly.



Push on the counterweight onto the shaft and set the tracking force as per recommendation by the manufacturer of the cartridge.

To set the tracking force you need a quality stylus gauge.



Switch on the airpump.

Place a blank record on the platter.

Adjust tracking force to around 0.5g.

Adjust the turntable to approximate level.

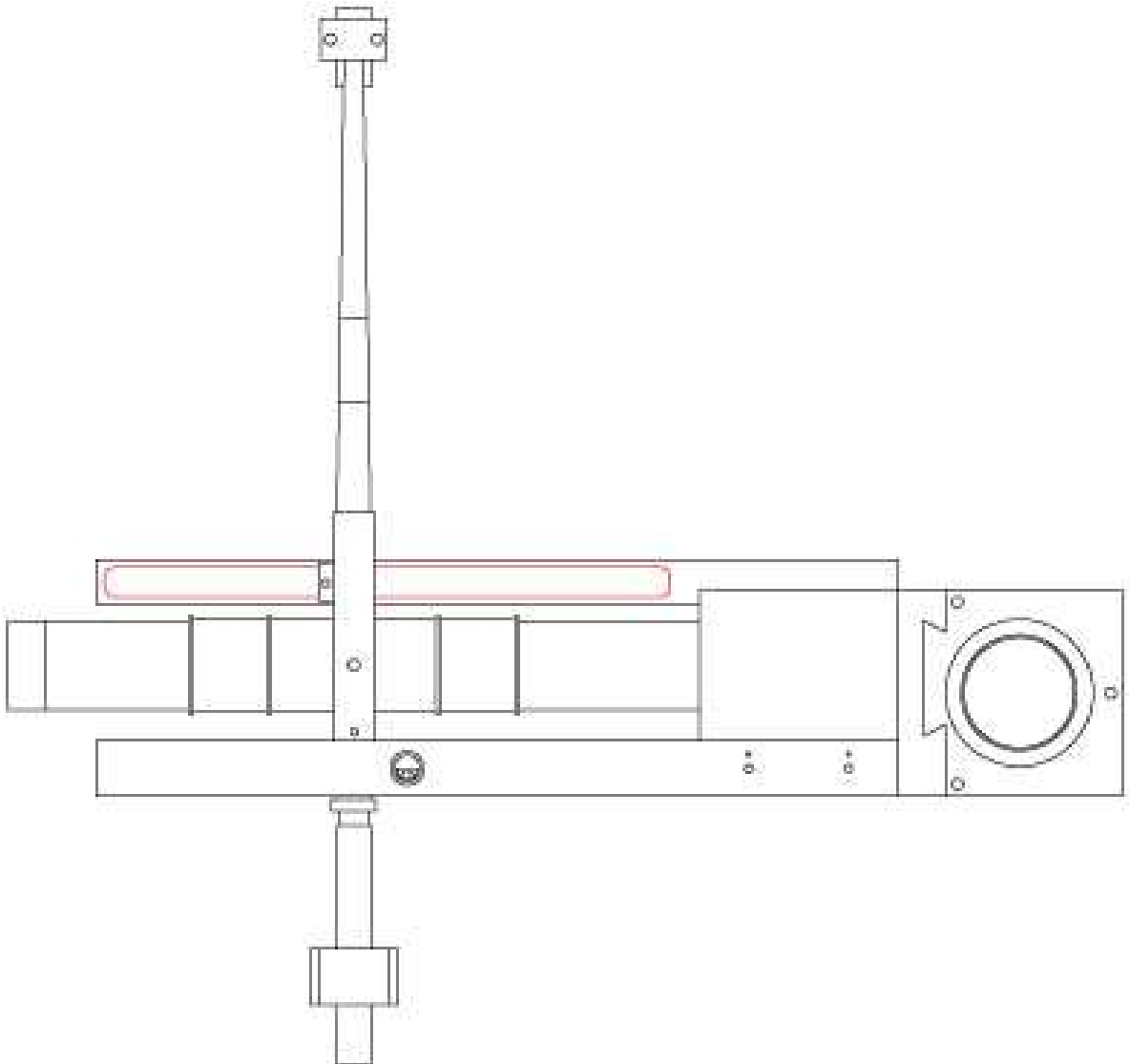
Do not yet start the turntable.

Lower the arm/cartridge to the surface of the blank record. Now move the platter clockwise with your hand and observe in which direction on the record the cartridge is travelling. Adjust the level of turntable and repeat the above procedure. When you feel secure that level is such that cartridge will not move fast over the record, then switch on your turntable on the lowest available speed. With a rotating record adjust exact level so that the cartridge stands still at a place 50mm inside of the record edge.

Level is now set and the record may be removed.

Use of the oil through

Some cartridges benefit from dumping. It's suggested that you try your arm/cartridge combination both with and without. Note that the container itself easily can be removed for cleaning by removing the two screws on the side of the oil trough.



Remarks

- Never slide the moving cylinder on the airbeam without air pressure.
- Always use the air filter or you may damage your tonearm.
- The air must be on while cleaning the airbeam.
- Only pure alcohol on a clean tissue should be used for cleaning the airbeam and the inner side of moving cylinder. Never use alcohol on other parts of your tonearm.
- Check first that the specified voltage corresponds with the voltage in your area