

1.

Installation Manual



Parts List.

- 1x tool steel spindle 20.0mm thickness.
- 1x aluminium bearing assembly.
- 1x custom made bolt M16 with inner M8 threaded hole.
- 1x M8 adjusting rod.
- 1x replacement ceramic ball.
- 1x adjustment arm assembly with ebony knob.
- 1x anodised aluminium disc with serial number.
- 1x anodised aluminium rod with clamping feature.
- 1x 10 metric long countersunk bolt for armboard mount.
- 1x 8 metric medium countersunk bolt.
- 1x 6 metric short countersunk bolt.
- 1x anodised aluminium disc with countersunk hole for armboard mount.
- 1x bottle vd Hul special bearing oil.
- 1x micrometer kit Mitotuyo.
- 1x drill 17mm / 13mm shank.
- 4x allen wrench metric sizes.
- 1x amount of drill lubricant.
- 1x Callas Ebony blocks 3 piece set.
- 1x Transrotor 'Lang' belt.
- 3x Teflon washers for motor attachment modification.

2.

The stock TT disassembly.

Take your time ☺ read complete manual first to get overview.

keep the working area free from loose metal parts / tools and such.
prevent damage / scratches to your Platine.
put La Platine on a large table and put rubber under everything.
disconnect the pickup arm and motor drive first and put away in a safe place.
remove the platter in one continuous move.
remove the lower magnet, take care use a rubber mat.
remove the stock M10 bolt /washers / bearing etc.
keep loose parts away from the working area.
remove the stock bearing assy.
turn La Platine upside down like in the picture.
put La Platine on two soft liners, or foam package material.

now there is a clean Platine base to work on.



3.

Enlarge the stock hole with the 17mm drill, use lubricant as supplied. A powerful electrical drill is handy which takes up to 13mm drill shank size. Use very low RPM, no hurry or pressure, let the drill do it's cutting.

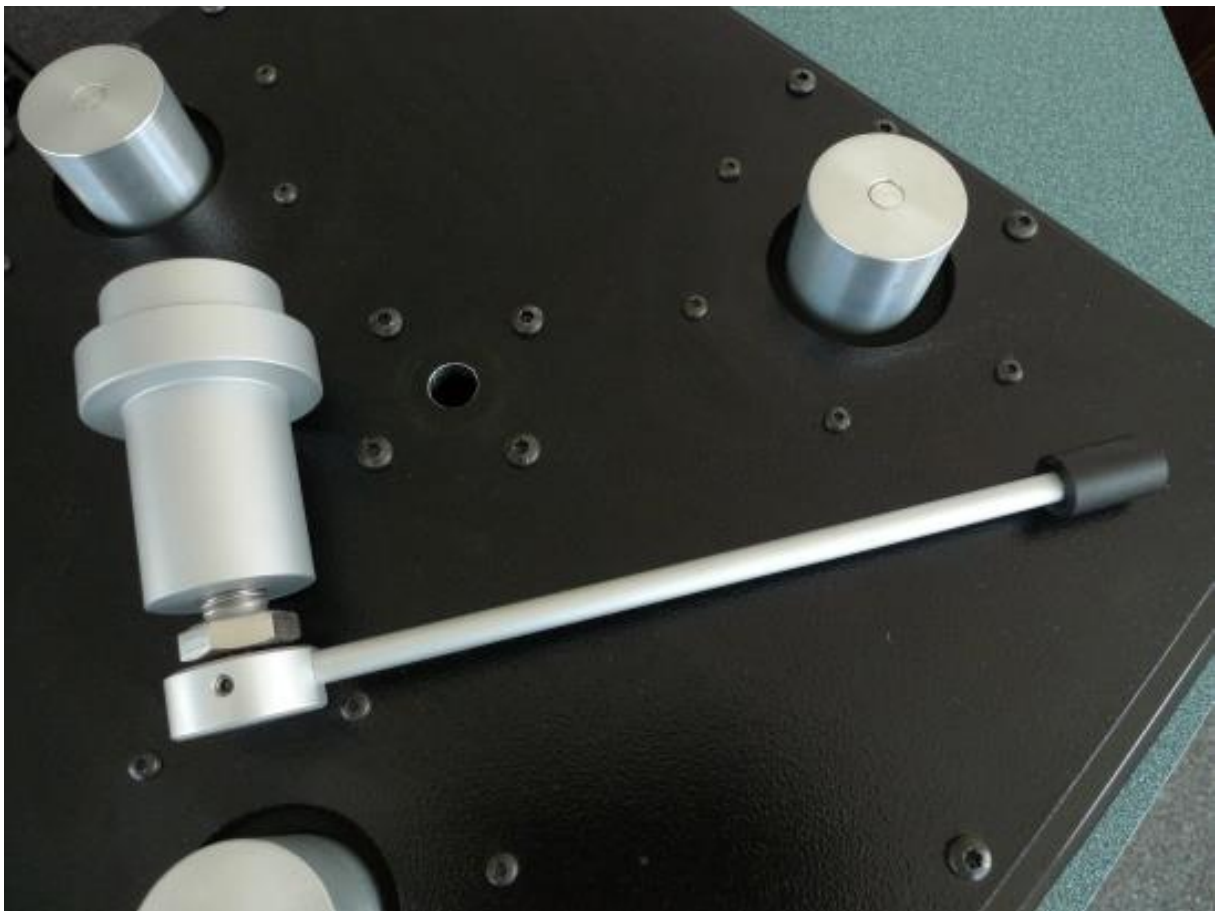
There is no need to accomplish the most precise hole, it will be largely covered anyway. The hole may be 18 or even 19mm. If you have a professional stepped countersunk drill, even better. Debur the fresh drilled hole, use a vacuum cleaner and thoroughly clean.



4.

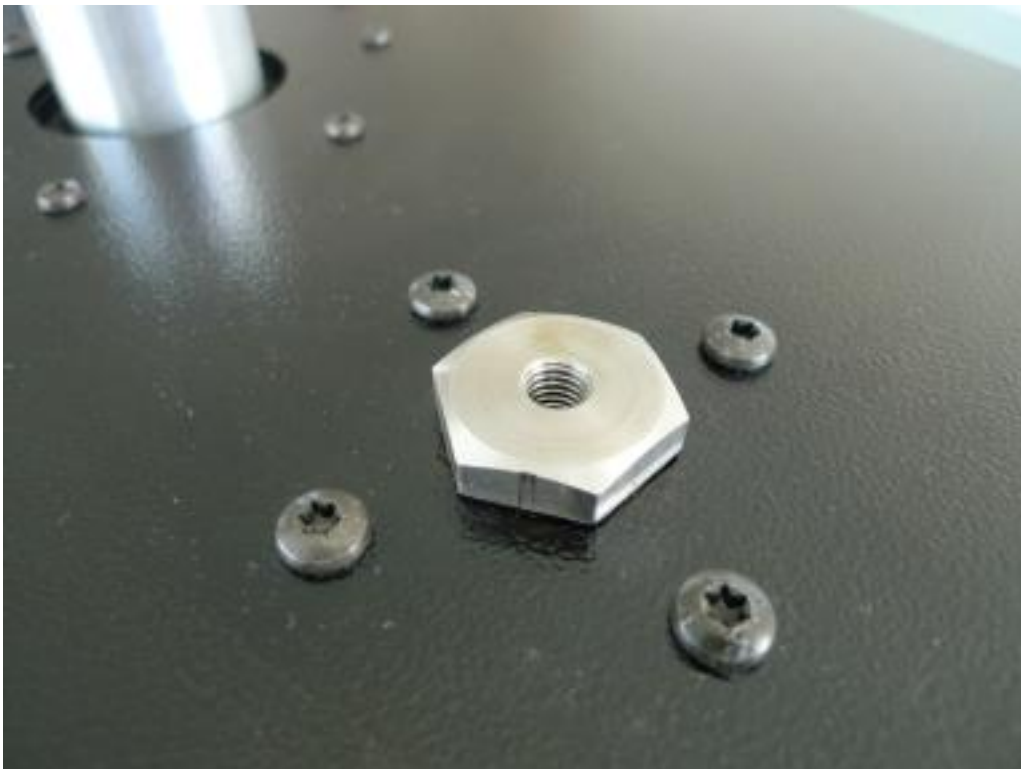
Pre-assemble the new modkit bearing just to get a clue how it works.

Do not tighten anything yet.



5.

Put the new bearing in place and screw in the stainless steel made bolt. Tighten up with a fair amount of force, but please do not over torque.



6.

Put the stock shim in the new spindle again and use some heavy grease.



7.

Put the new ceramic ball on top.



8.

Slide in the spindle assembly, use fair amount of heavy grease.



9.

Place some 3 pieces of kitchen tissue like in the picture, it will save the precious laquer from scratching due to the lower magnet holder.



10.

Both the spindle and the ceramic ball need a fair amount of heavy grease.



11.

Assemble the micrometer support base.



12.

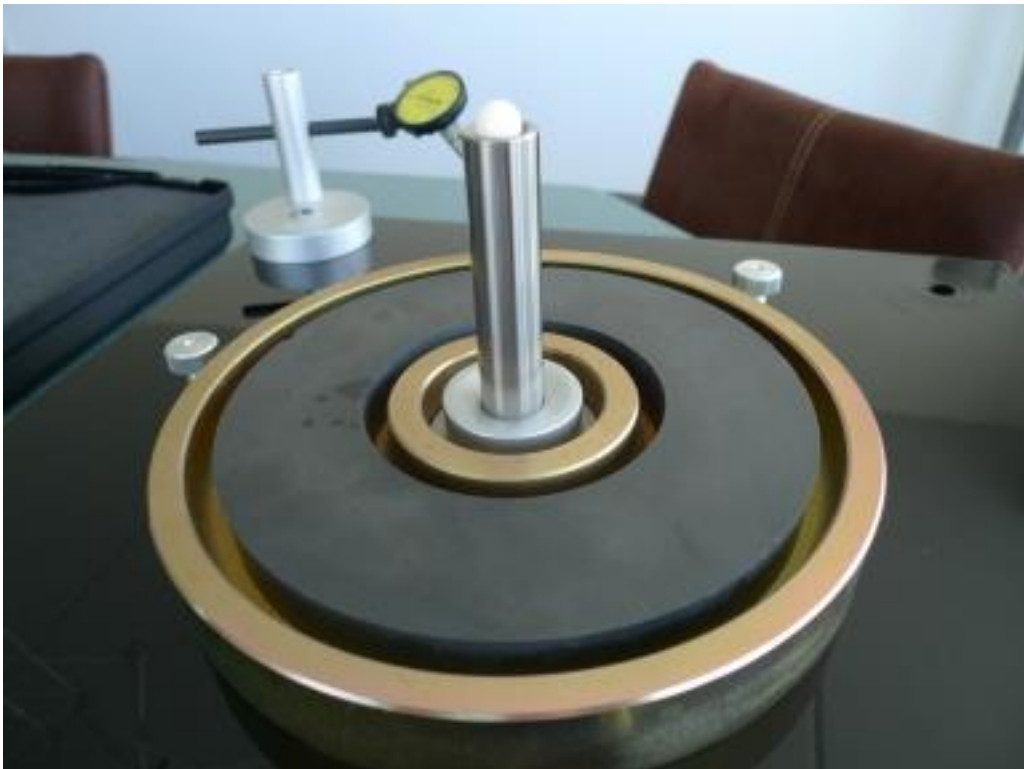
Assemble the micrometer holder, but do not fasten yet because you want to move around this assembly in the very last stage.



13.

Ready to accept the platter.

Notice the better centering compared to the stock bearing.



14.

The new anodised and rust free steel bolt assembly. Looks much better..



15.

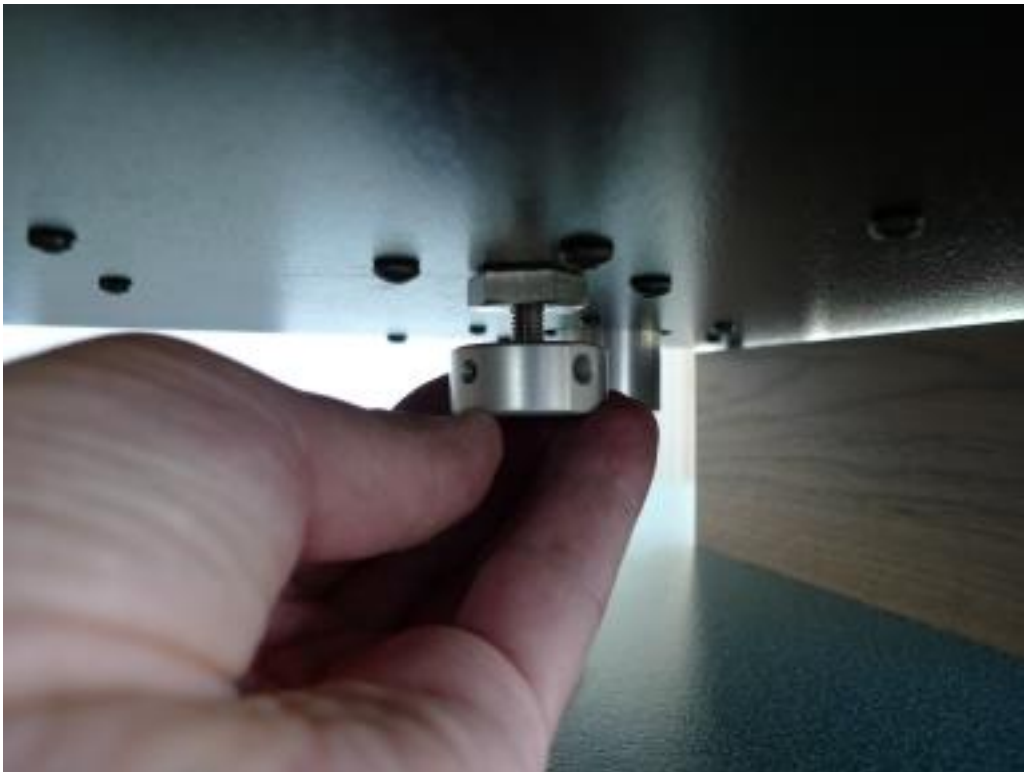
Now put La Platine on two wooden blocks like in the picture.

Screw in the treaded M8 rod with the set-screw insert upward. No need to oil, over time all will be lubricated due to a little amount of oil leaking down.



16.

Screw on the aluminium collar like in the picture.



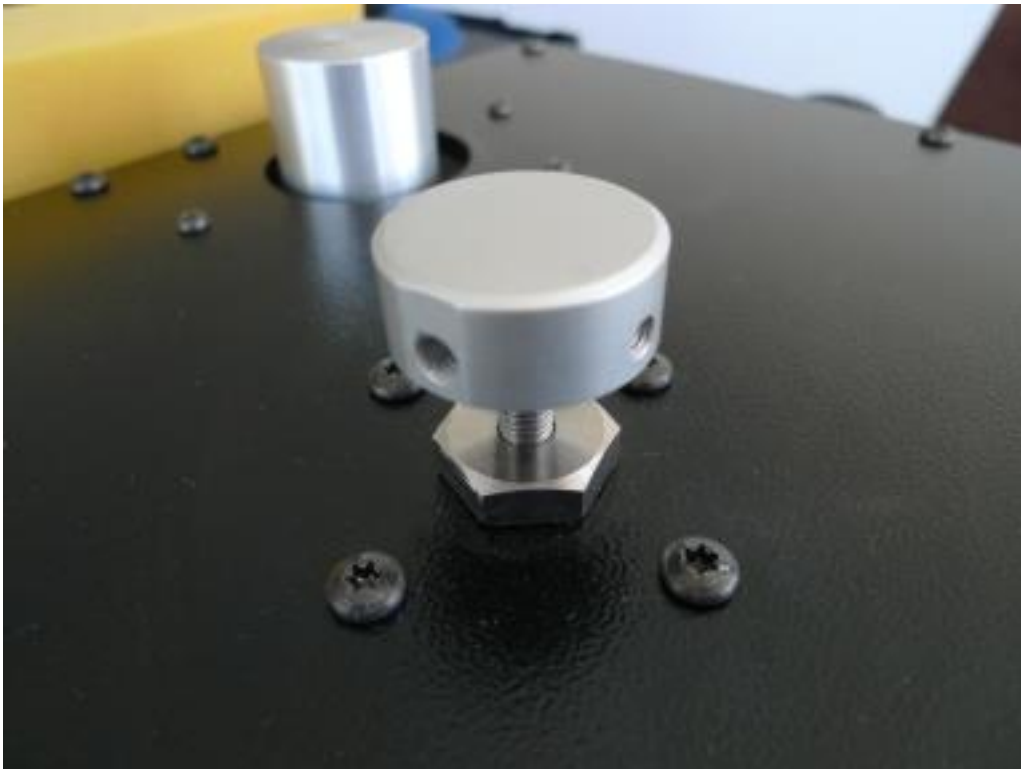
17.

This picture shows the almost final position seen from front side of La Platine. The drawing at the last page of this manual will give better clarification to the positioning of the adjustment arm. Most convenient is at the R/H side.



18.

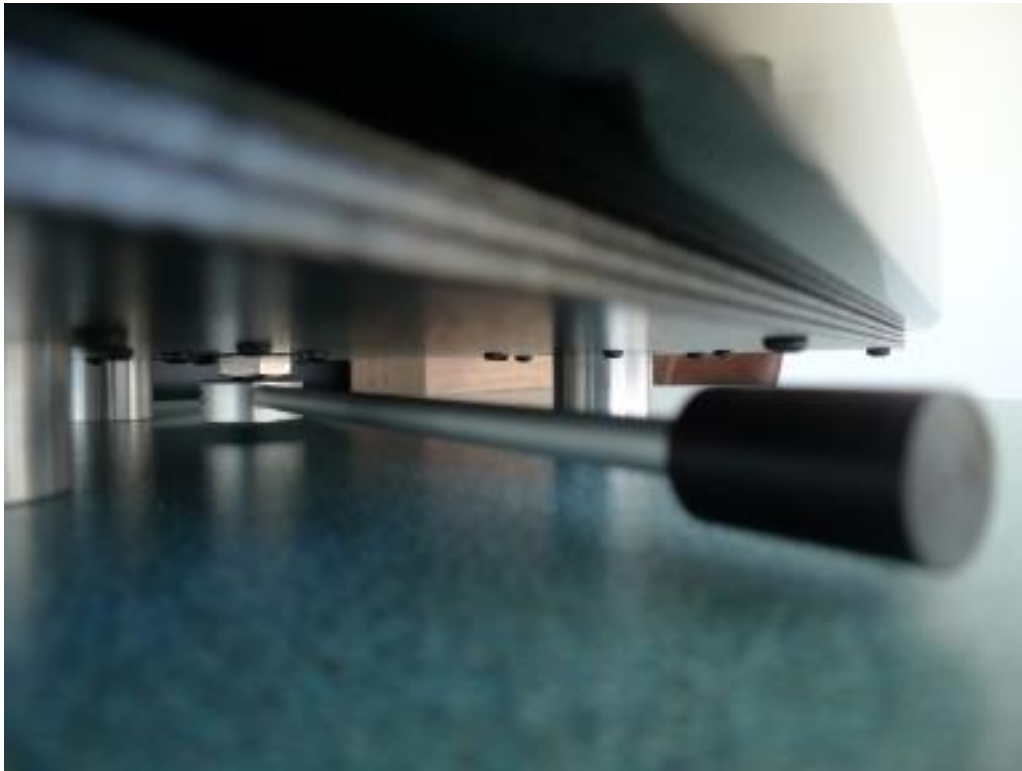
There is a flattened side, this is where the adjustment rod goes. These can't be mixed up.



19.

This photo shows La Platine at her feet again and with the adjustment arm positioned at the R/H side.

There will be even more clearance when La Platine has been put on the 30 mm Ebony supports.



20.

La Platine base set-up.

Now, with the 3 piece Ebony blocks under the Platine base, La Platine will get solid or 'fixed'. This is crucial for final performance.

Turn in the stock spring loaded knobs as much as possible (clockwise) La Platine will now lift itself up. Now place the 3 piece Ebony blocks as per drawing (see the last page attached)

Start to equally lower La Platine base again. Turn down until the base almost touches all 3 supports at the same time. Then further lower the base with half a turn per knob. This way La Platine base is equally supported at all 3 positions. This way the total mass is also supported by the original supports and we have 6 carriers altogether.

With the fixation the possibility to level La Platine with the stock support is gone, and the ones with an adjustable audiorack are lucky. If you have no adjustments you still somehow need to level the audiorack to start with. After this you may put pieces of newspaper under the Ebony blocks to further fine levelling. Once settled all done.



21.

Assembly of the micrometer holder.

We are confident that the picture will guide to assemble and position rightly.

Take time to fiddle around, and get the reading. Set the dial at zero somewhere you like, the purpose is to exactly show *when* the ball starts to touch the platter.

Due to the adjustable design, temperature has no influence on controlling the set-up.

Remember all readings and adjustments have to be done with record clamp, record ring, mat, weight, whatever to be used in place.



22.

Daily use and service.

Clean and inspect the bearing assembly and refresh oil once a year.

Soundwise, we like the Boston Audio graphite mat the most.

We use a battery power supply and experienced best results with 18Ah total.

The Feickert Adjust+ software is the final solution on TT setup & performance.

In any case put the motor assembly close as possible to the Platine base.

Always use the same base for TT and motor drive. Don't do the twin towers.

KIS : Keep It Simple.

Recommended digital leveller is the SOLA lasertronic ELWX 60.

If any questions left: info@callas-audio.nl

Keep em spinning;

Rudolf R Ploeger

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