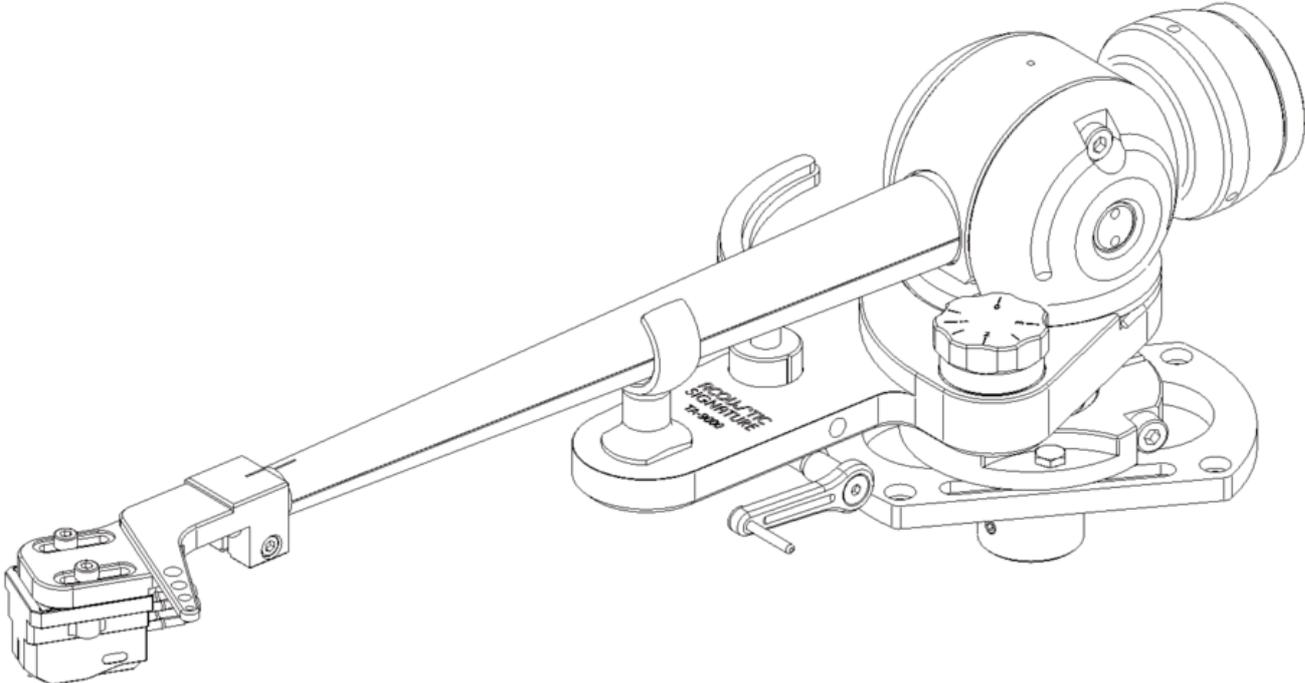


Instruction Manual

TA-9000
Pick-Up Arm



ACOUSTIC
SIGNATURE

Teutonic engineering.

The TA-9000 Series embraces two models

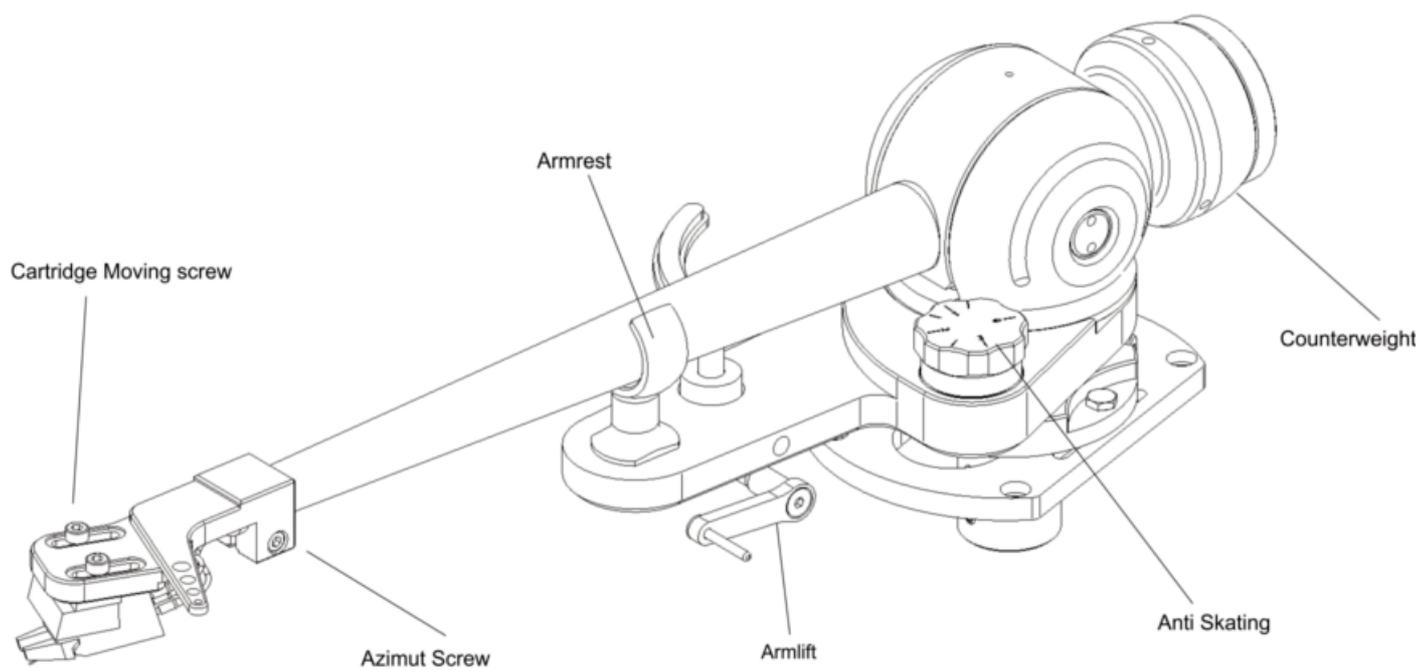
TA-9000 9 Inch

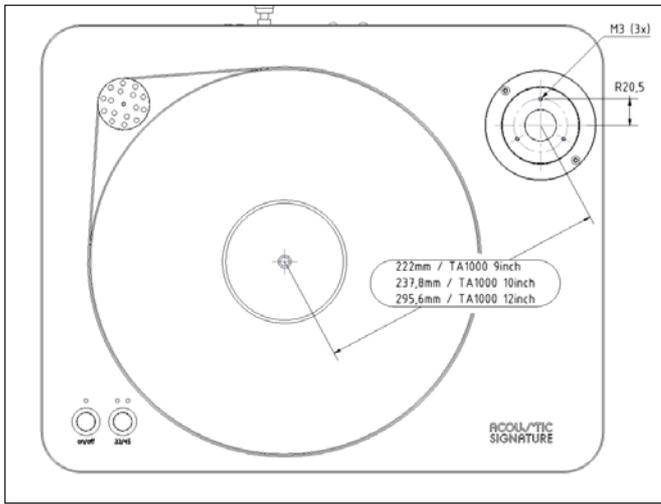
TA-9000 12 Inch

offering pivot to Stylus dimensions covering virtually all turntable requirements.

These arms offer at cost no object outstanding built quality with all the most important features including azimuth adjustment, high precision ball bearings.

Parts identification



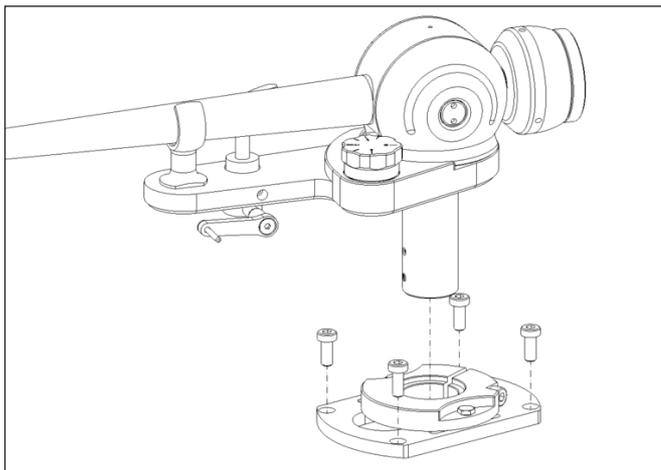


1. Preparing the arm mounting board

To mount the TA 5000 tonearm your turntable need's to have a 23mm thru hole combined with 3 M3 thread's around it at the Radius of 20.5mm (see drawing). Rega Dimension. SME versions are also offered.

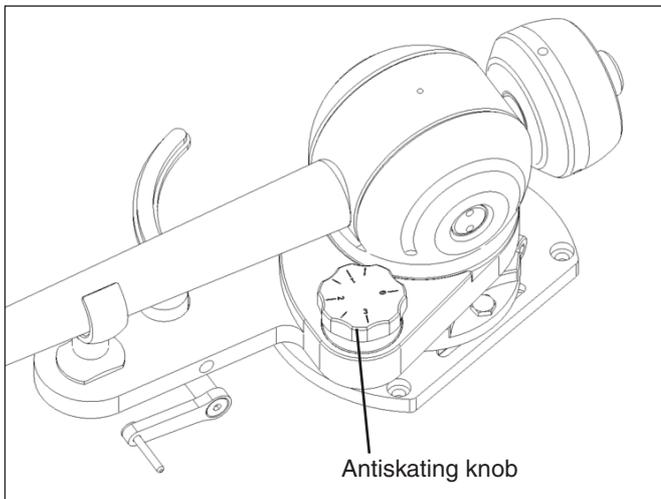
Ensure that the thread's are positioned as showed in the drawing. The distance of the center hole to the middle of the platter must be:

- 222 mm for the 9 inch version
- 295,60 mm for the 12 inch version



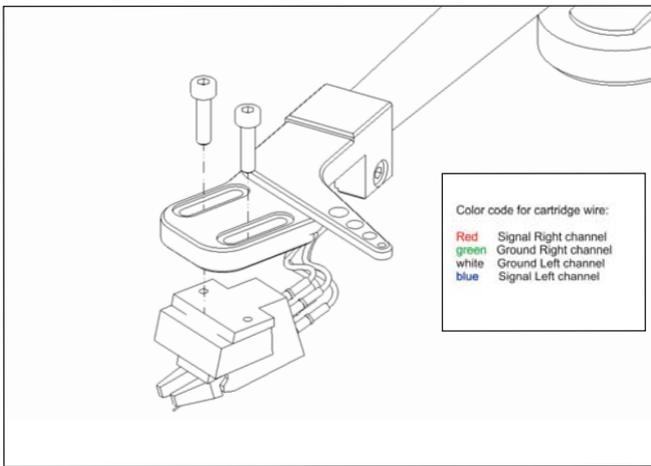
2. Fitting the arm SME type

Take the provided 4 screws and put them into the marked 4 holes. Use the provided allen key to tighten the screw's. To get easier access to the holes it might be helpful to turn the armtube so the holes are free, or take the arm out and assemble the armbase first.



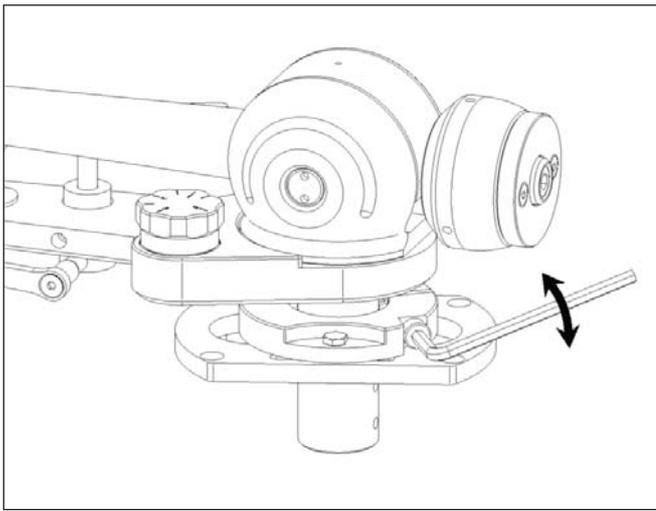
3. Antiskating

To adjust the Antiskating use the Antiskating Adjustment knob and adjust the correct value by turning.



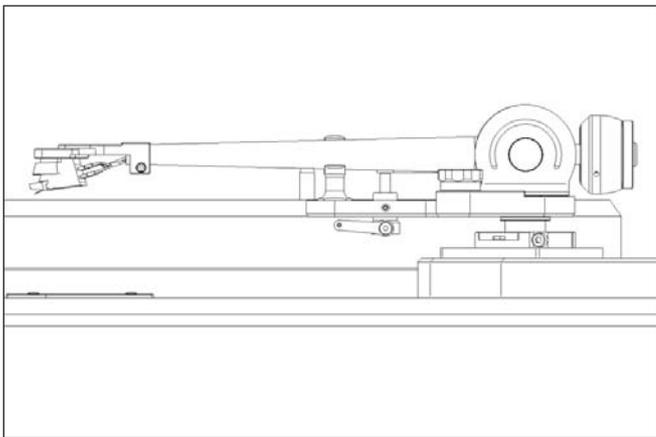
4. Mounting the cartridge

Please take a look at the assembly drawing to mount your cartridge to the tonearm. We use a headshell to mount your cartridge on. Use the provided screw's of the cartridge or the 2 pcs. M2.5 screws we supply with the tonearm. Mount your cartridge to the plate and then connect the audio cable pin's to your cartridge. Take care for the correct color. Then use the provided M3 Screw to attach the assembly to the head-shell.



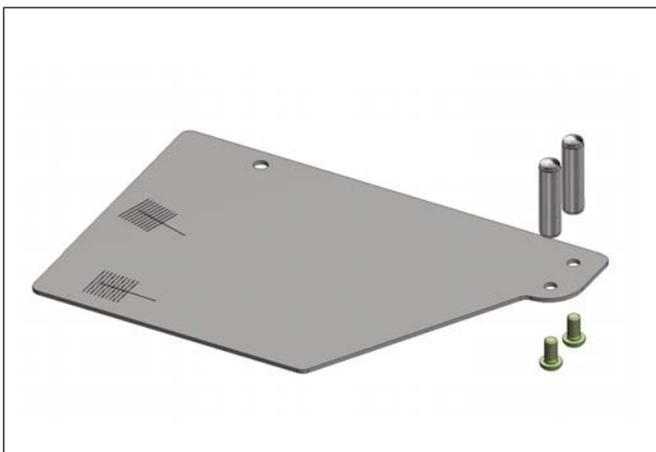
5. Prepare adjusting the cartridge

Before we start aligning the cartridge we we need to pre adjust the Tracking force and the height of the tonearm. Tracking force will be adjusted by turning the counter weight forward (more weight) or backward (for less weight). Search the manual of your cartridge for the right value and adjust it by using a weight scale (not provided). After you have done the setup of the Tracking force please tighten the 3 small screws to fix the position of the weight.



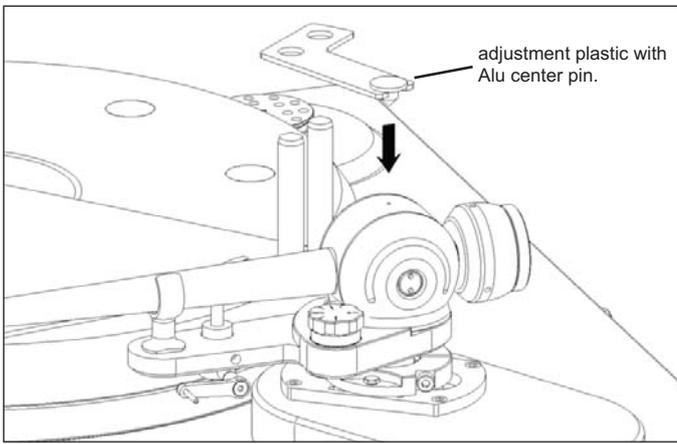
5.1 Prepare adjusting the cartridge

Adjust the arm height with cartridge fitted, is either level or slightly low at the front end. You can do this by opening the red marked screw with the provided allen key. Open it carefully adjust the needed height and tighten the screw softly. Check if height is ok - if not redo the adjustment. Be aware the when opening the screw the arm might fall down!



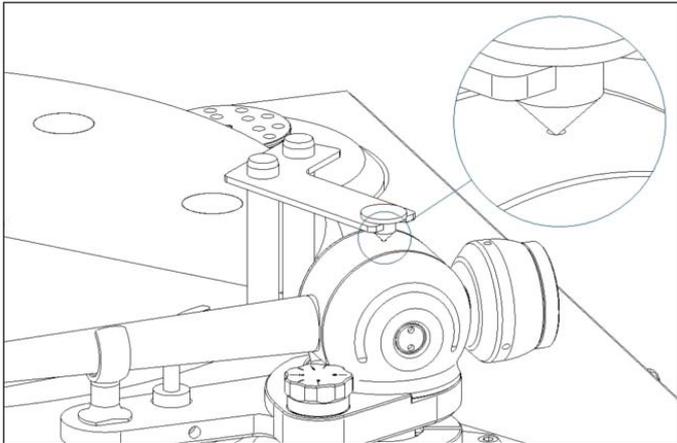
6. Adjusting the cartridge

This is done by using the provided adjustment template. Take the template and assemble it as shown and place it on the platter. Some units also come pre assembled.



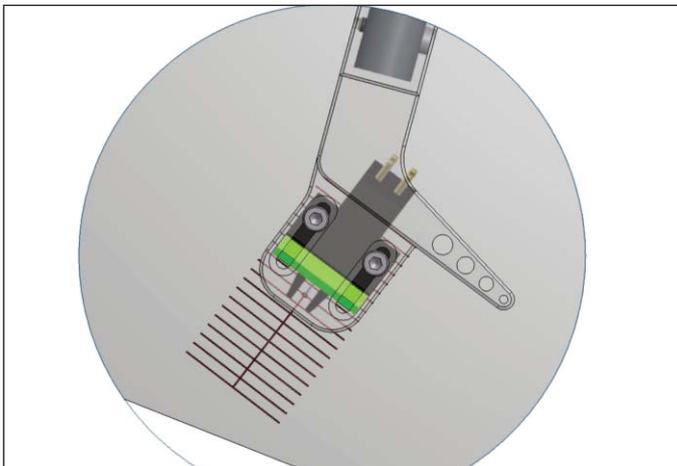
6.1 Adjusting the cartridge

Use the plastic (shown in the left picture) piece and place on top of the 2 metall pillars facing the Alu center pin downwards. Move the arm forward or backward so the center pin is exactly fitting into the small drilled marking on top of the arm. tighten the arm if this position is exactly matching. This ensures your template is in the correct angle for adjusting the cartridge and the distance of the arm related to the middle of the platter is correct.



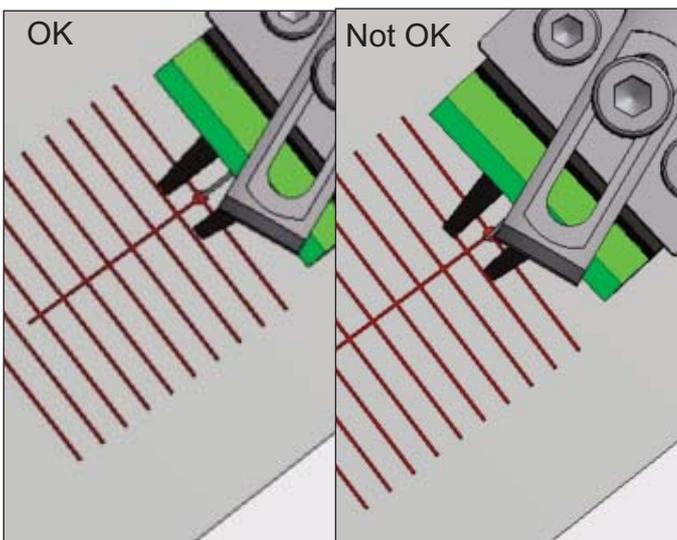
6.2 Adjusting the cartridge

Make sure to use it in the exact orientation as shown in the pic. This ensures your template is in the correct angle for adjusting the cartridge. The front Pin of the Alu part needs to be exactly in the center hole of the tonearm.



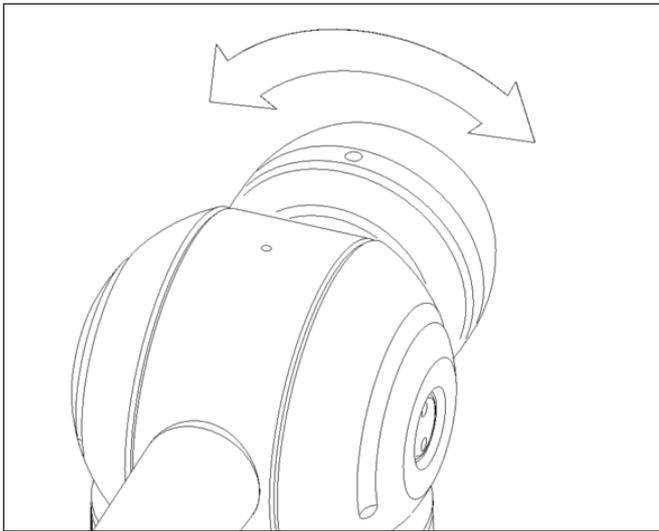
6.3 Adjusting the cartridge

Lift down the cartridge and place the diamond tip of the cartridge on the reference point of the alignment gauge and make sure that the edges of the cartridge are absolutely parallel to the marking lines printed on the cartridge alignment gauge. For that adjustment it is necessary to take a look directly from the top on the tonearm and the alignment gauge. We suggest to align only to the inner point of the alignment gauge!



6.4 Adjusting the cartridge

Please make also sure that the leading edge of the cartridge is parallel to the marker lines of the cartridge alignment gauge and the needle is exactly in the reference point. If not correct it by moving forward and backward and changing the angle. Fix the right position through looking the screw on the top.



7. Longitudinal balance

Position the arm so that it is clear of the armrest and the cartridge is clear of the turntable. Move the lift into the low position. Balance the arm by rotating the weight to move it backwards or forward as required to make the arm float around his zero point.

The tracking force weight has 3 screws around his circle to fix the position. Make sure to tighten the screws only very very soft.

TA-9000 technical DATA				
Länge	9 inch	10 inch	12 inch	Length
Justierbare Tonabnehmer	4 g - 16.0 g		4 g - 16.0 g	Cartridge balance range
Nullpunkte	61.0mm	not available	61.0mm	Zero Point inner DIA
	121.0mm		121.0mm	Zero Point outer DIA
Signalkabel	4N silver wire, 5 Pin Plug		4N silver wire, 5 Pin Plug	Singal Cable
Überhang	15		12,56	Overhang
Gesamtlänge	252		330,66	Total length
Effektive Tonarmlänge	237		318,1	Effective length
Abstand (Mitte Tonarmlager zu Mitte	222 mm		295,6 mm	Distance (Distance from pivot to stylus)
Kröpfungswinkel	22.00 °		17,30 °	Tilt Angle
Eff. Masse	14,7gr		16,1gr	Effective mass
Gewicht	890		925	Total weight
Tonarmaufnahmebohrung	SME		SME	Tonarm mounting

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