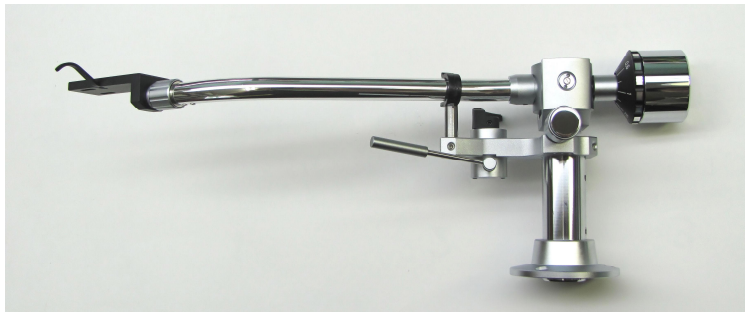


Sorane

TA-1 & TA-1L Instructions & Manual



Specifications

TA-1	TA-1L
Total Length: 288mm	Total Length: 380mm
Spindle to pivot distance: 216mm	Spindle to pivot distance: 310mm
Stylus to pivot distance: 232mm	Stylus to pivot distance: 322mm
Overhang 16mm	Overhang 12mm
Offset angle: 22°	Offset angle: 16.5°
Cartridge weight range: 15-29 grams with headshell	Cartridge weight range: 15-24 grams with headshell
Total weight 580g (with headshell attached: 597g)	Total weight 610g (with headshell attached: 627g)
Antiskating up to 3 grams	Antiskating up to 3 grams

Included Accessories:

Headshell with Azimuth Adjustment

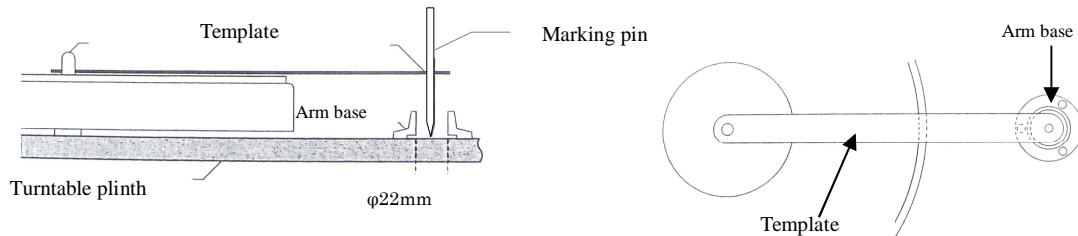
Detachable phono cable

Screws, Washers and Wrenches

Template Marking pin

1) Mount the tonearm base to turntable plinth

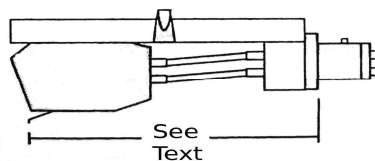
- 1-a) Determine where the arm base should be placed by using the arm template supplied.
- 1-b) Put the hole of the template over the spindle. Use the supplied steel pin (as illustrated below) and push it through the tonearm pivot hole on the opposite end of the template. Using the supplied plastic bushing, keep the needle perpendicular to the template and mark the position of center on the turntable.



- 1-c) At the same time, 3 holes for fixing screws should also be marked.
- 1-d) Having marked the center, check that if the tone arm is placed in this position, that it will clear the dust cover.
- 1-e) Drill a 22mm hole and three 3.5mm hole.
 - * Drilling a hole: 22mm diameter (For tonearm shaft)
 - * Drilling 3 x 3.5mm diameter (For tonearm base fixing screws)

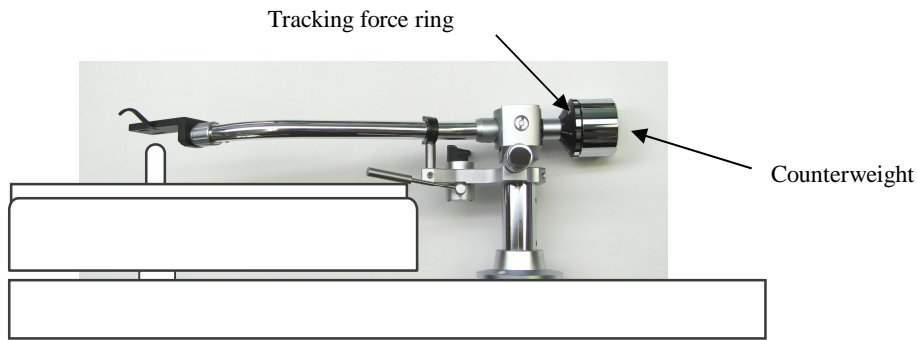
2) Attach the cartridge to headshell

- 2-a) Connect the leads to the cartridge and attach the cartridge to the correct position of headshell with screws, as in the figure below.
 - Screws are not included in this tone arm kit
 - Mounting distance, from collet ring, to stylus tip, is 50mm for the TA1.
 - Mounting distance, from collet ring, to stylus tip, is 46mm for the TA1L.



3) Mount TA-1 shaft through the base hole

- 3-a) Locate the tonearm shaft through the hole in the arm base and then fasten the screw with wrench.
- 3-b) Adjust the arm height as turntable plinth surface and tonearm wand should be level.
 - * Cueing platform has already been set at the correct height but can be adjusted by using the wrench supplied.

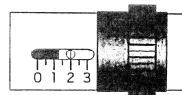


4) Cartridge tracking force adjustment

- 4-a) Ensure that the tracking force adjustment knob is set to the zero position.
 - 4-b) With the cartridge permanently fitted in the correct position, adjust the counterweight so that the arm is floating with the stylus approximately 365mm above a vinyl record. (This adjustment should be made with the anti-skating knob to zero.)
 - 4-c) Rotate the counterweight and move it forward. Each graduation is equivalent to 0.25 grams tracking force.
- * The applied range of weight of headshell with cartridge is from 15grams - 29grams (including headshell).

5) Anti-Skating (bias) adjustment

- 5-a) Set the bias adjustment knob to the same number as the required tracking force.

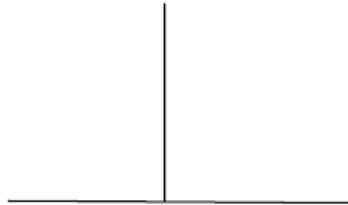


6) Headshell Azimuth Adjustment

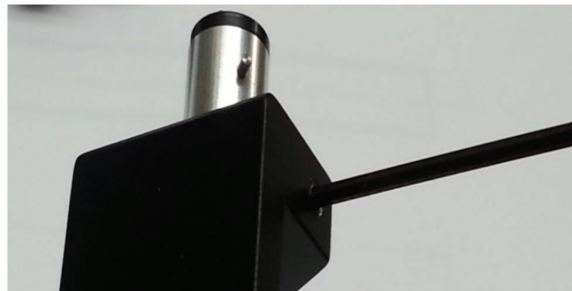
- 6-a) Sorane tonearms come with adjustable headshells. There is an Allen or hex set-screw in the side of the headshell. There is a corresponding Allen/Hex Key to allow the user to adjust the headshell.



6-b) As shipped from the factory, the headshell adjustment Allen set-screw is set to approximately 90 degrees, with the intention that customers should adjust the headshell to match their unique setup (cartridge, plinth, platter, etc.). Customers are requested to make final adjustments after mounting the cartridge, then installing the headshell on your Sorane tonearm. It is important to make sure the stylus is perpendicular to the surface of the record. Often it is helpful to use a mirror (if you do not have a mirror, a CD will also work). The main thing is to understand that many stylus assemblies are not perfectly perpendicular, and sometimes platters are concave, so that it is important to adjust the stylus until it is perpendicular with the groove.



6-c) Loosen the set-screw with the Allen key, and adjust the headshell until you are satisfied that the stylus (not the cartridge body or headshell) is perpendicular. It is important to concentrate on the stylus, and not the headshell or cartridge body.



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