

T88 and T88S tonearm models

Warnings

Do not expose the equipment to rain or moisture.

Do not remove the cover from the equipment.

Do not insert anything into the equipment through the ventilation holes.

Do not handle the mains lead with wet hands.

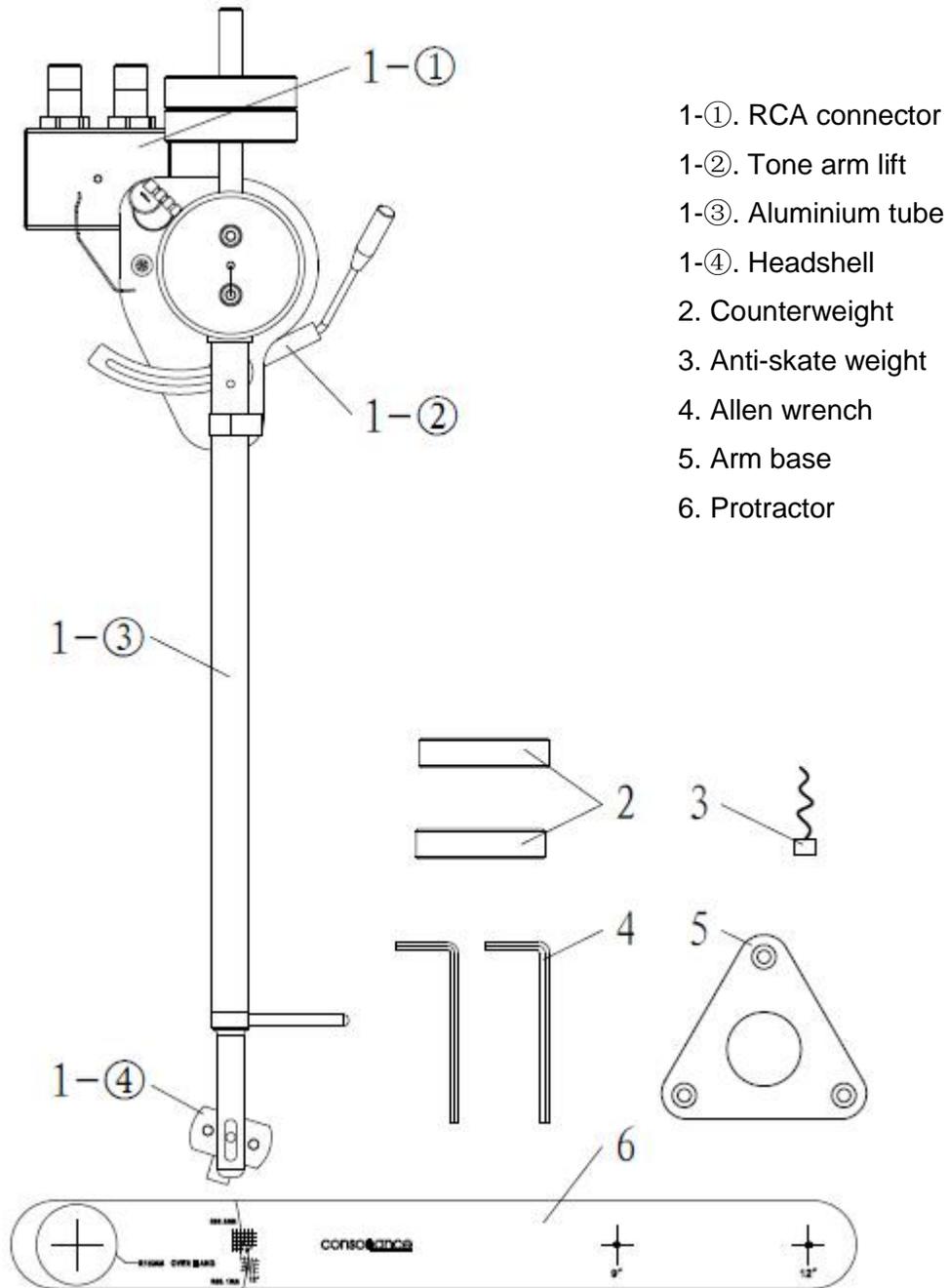
No naked flame sources, such as lighted candles, should be placed on the equipment.

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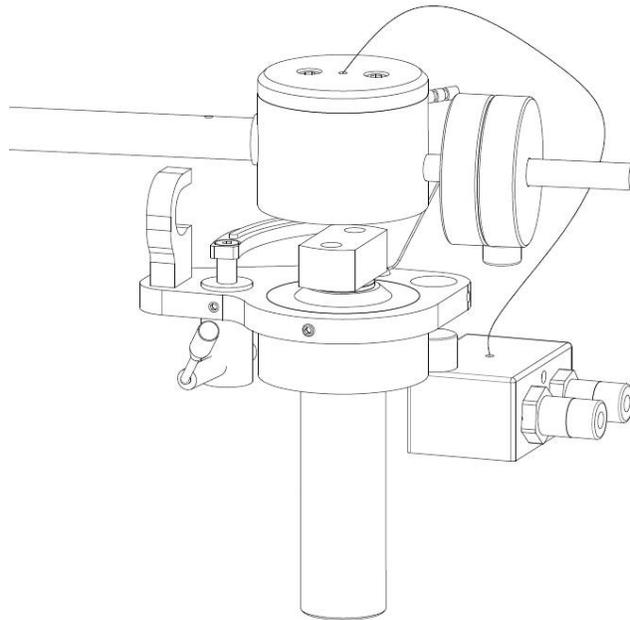
Package contents

The **consonance T88/T88S** tone arm is packaged in special designed box to ensure it safety on the way. Please check the T88/T88S diagram in below picture and in the part list description:

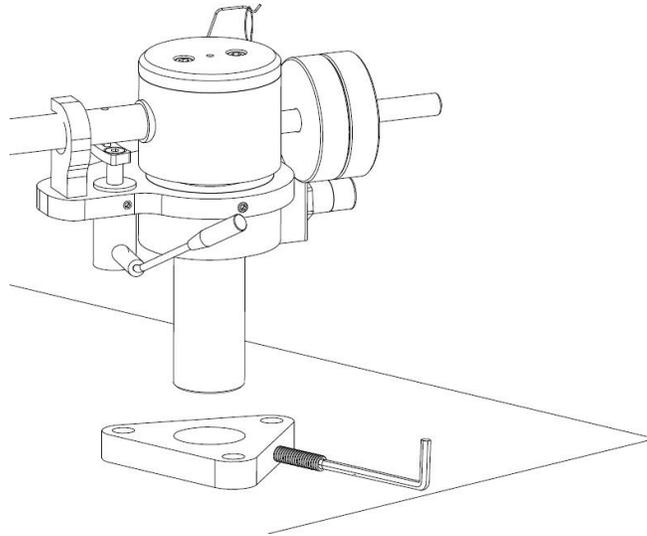


Tone arm mounting

1. The distance from the center of bearing to the pivot point of the tone arm is 214 mm(9") or 294mm(12") exactly measured by the protractor(Part 6). Put the hole of protractor on the bearing, then make the other end 9" cross center point to the center of arm base (Part 5).
2. Take two tonearm parts out of the box carefully,put the two pins of the upper part on the bowl corresponding points.the tonearm upper part will fall into the bowl smoothly .Use the allen wrench to tighten the screw beside of tray then the RCA connector is mounted to the tray.



3. Insert the tone arm to the center of arm base on the plinth, use the allen wrench(Part 4) to screw the arm base a little loosen and then tighten it after finished VTA adjustment.



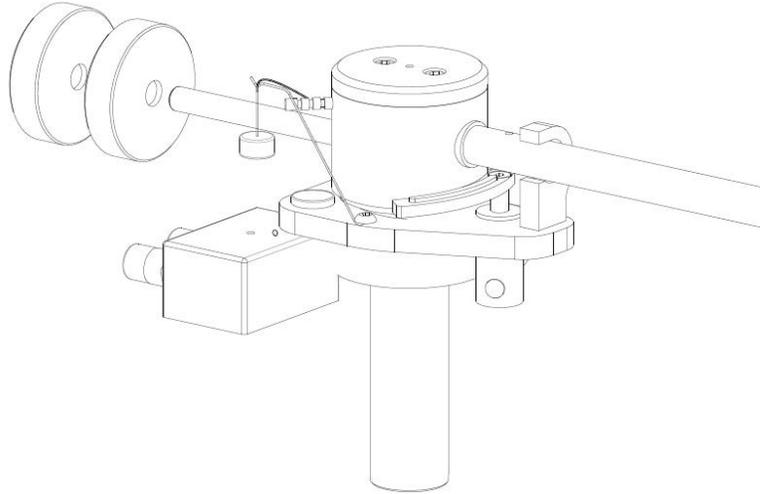
4. Fitting and connecting the cartridge.

Make sure the cover of cartridge fixing well firstly to avoid it damaged during fitting and connecting. Fitting the cartridge on the headshell(Part 1-④) through the special screws which the accessories of cartridge. Connect the tone arm wire to the cartridge pins as follows: white(L+),red(R+),green(R-),blue(L-).

The overhang of T88 is 16mm, T88S is 12mm.The correct overhang measured by protractor when the top of needle above on the circle around the hole, like the below picture shows, the position can be moved by headshell.

The tangent of an angle is fixing, factory set.

5. To set tracking force, two counterweights(Part 2) are supplied to enable correct tracking force to be applied to cartridges of various weights. The general tracking force can be obtained by moving the counterweight towards or away from the pivot point on the shaft. The final exact tracking force can be done by stylus gauge after cartridge installation.



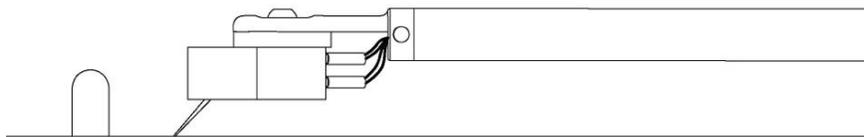
6. Put the anti-skate weight (Part 3) down on the support wand of anti-skate and secure it to one of the three locations (select a best location according to the tracking force of your cartridge)

Note: The anti-skating force is adjusted according to the mass of the cartridge as follows:

T88's down force: (Groove 1st(1~1.5g), 2st(1.5~2), 3st(2~3g) from the pivot point of tone arm).

7. Adjust the tone arm's VTA.

As mentioned on the point 2 not screw the arm base tighten, raising or lowering tone arm and then tightening set screws when correct VTA is obtained. Please note that can not be forced in order to avoid damage the tone arm. Normally the correct VTA is subject to the tone arm centerline parallels to the LP record, the high or low of VTA is very important for the sound, this is also fun of LP playing.



TECHNICAL SPECIFICATION

	T88	T88S
Mounting distance arm base	214mm	294mm
Tone arm length	9"	12'
Overhang	16mm	12mm
Offset	23 degree	17 degree
Cartridge weight	4-22g	4-22g
Mass (without counterweight)	105g	115g
Counterweight	65g	130g

WARRANTY

Opera audio guarantees each product manufactured by us to be free from defects in materials and workmanship under normal use. Our obligation under this warranty is limited to making good at our factory any part or parts thereof which shall, within 1 year after delivery to the original purchaser, be returned to us with transportation charges prepaid, and which an examination shall disclose to have been thus defective; this warranty being expressly in lieu of all other warranties expressed or implied and of all other obligations or liabilities on our part. This warranty shall not apply to any Opera audio product which shall have been repaired or altered outside of our factory in any way so as to affect its stability, nor which has been subject to misuse, negligence or accident. Warranties of the vacuum tubes are by the respective manufacturers, usually 90 days.

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