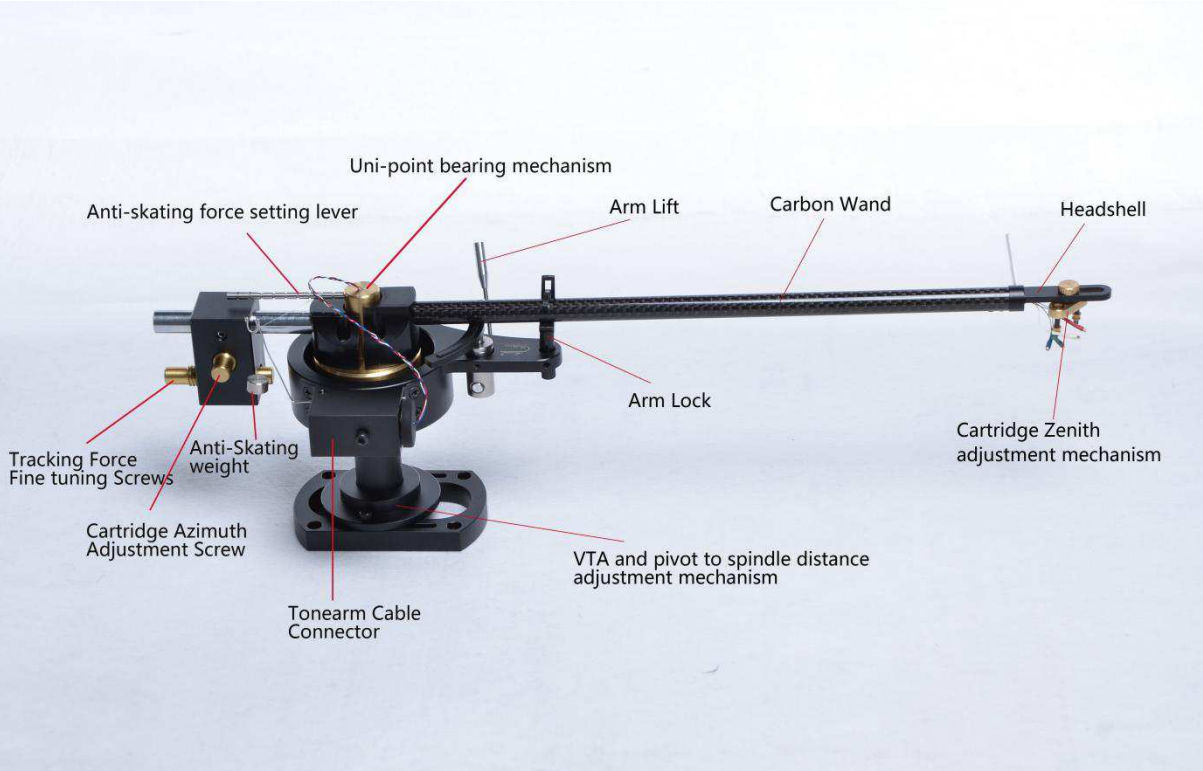


# Owner Manual for JS-TA297 Uni-Point Oil Damping 12' Tonearm

Instructions by Jasmine Audio©



## PARTS LIST:

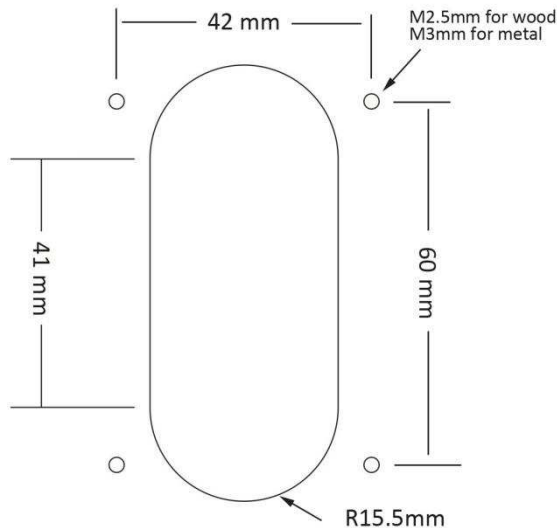
- 1\*Counterweight
- 1\*Anti-Skating Weight and clamp
- 1\*Tonearm wand
- 1\*Uni-Point Cup
- 1\*Damping Oil
- 1\*Smart Tonearm Adapter
- 1\*Alignment Protractor
- 1\*Tonearm Cable
- 1\*Owner's Manual

## Mounting the arm

JS-TA297 is a 12 inch tonearm, the distance of platter Spindle to tonearm Pivot is **297mm**. So, first of all, You have to make sure your turntable have enough space to install it. If possible, refer also to the mounting instructions from your turntable manufacturer.

### HOLEDIMENSIONS

JS-TA297 tonearm come with Jasmine SME2D20-H10-B smart tonearm adapter, It's hole size and installation method is same as the SME tonearm. Please refer the geometry of below picture to open hole on your turntable.



However, the key point is that you have to make sure that the spindle to pivot distance is 297mm after the arm is installed.:

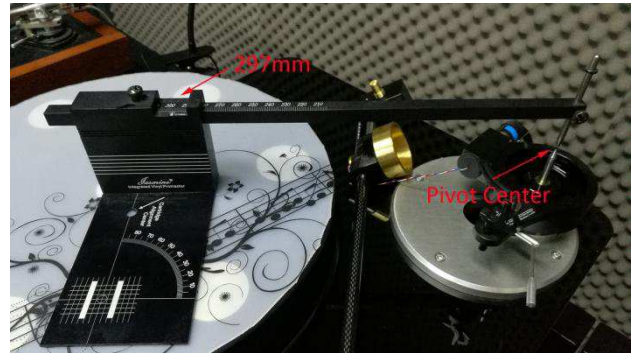
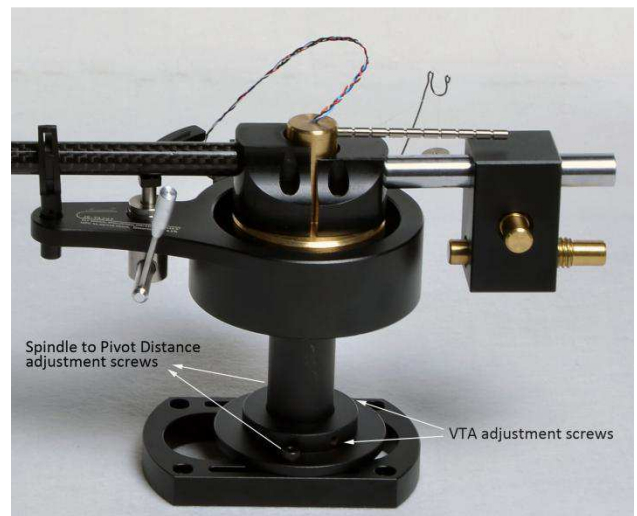


DIAGRAM OF ARM MOUNTED

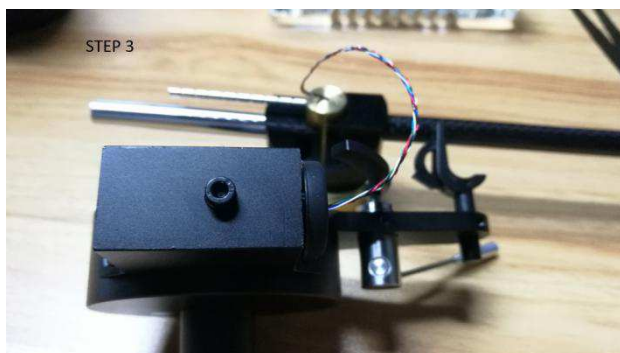
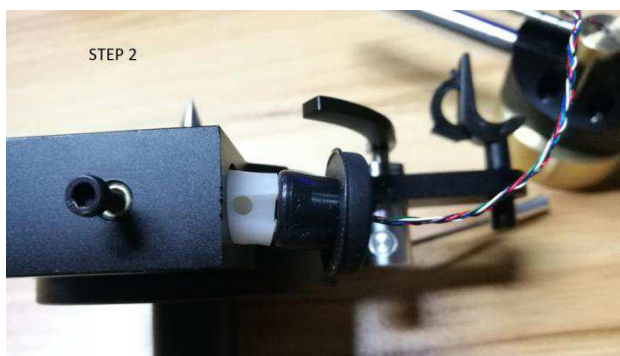
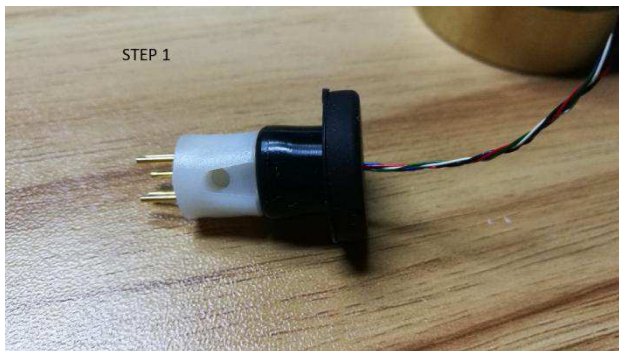


Insert the arm through the arm adapter hole, adjust the spindle to pivot distance and VTA height, fix the screws after the arm meet the parameters you required.

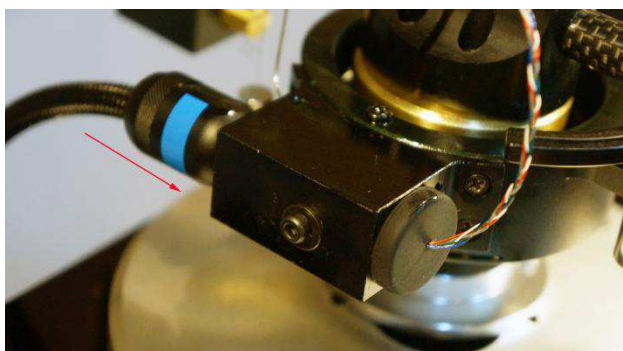
## Connecting the arm cables

### Fix cable connector

Please refer to the steps shown in the following pictures to fix the tonearm cable connector.

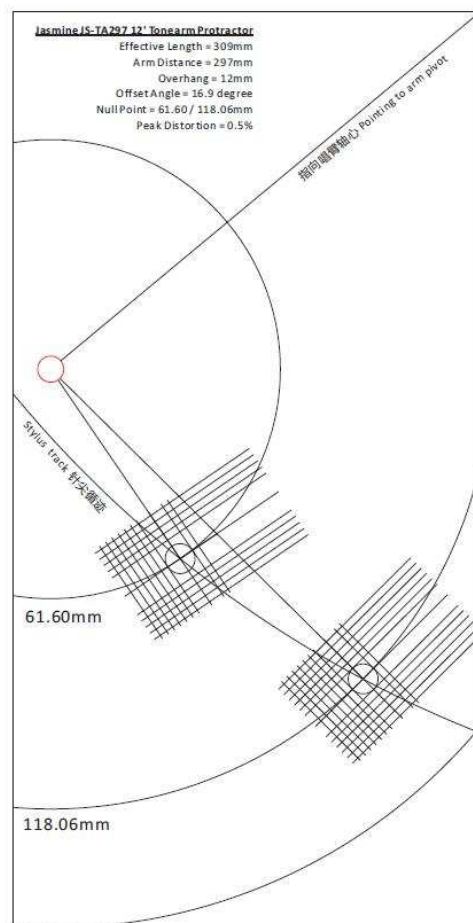


### Connect tonearm cable



## Cartridge set up

Jasmine JS-TA297 tonearm come with a dedicated cartridge setup protractor.



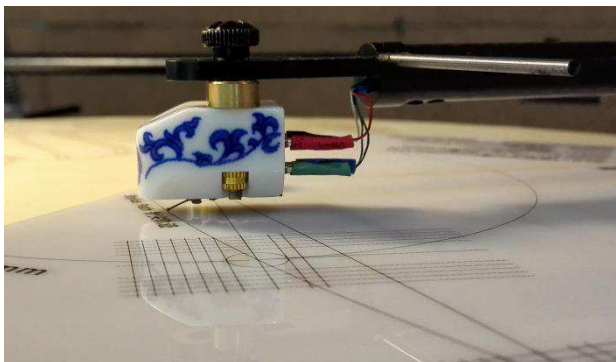
**Step 1: Adjust VTA**, Vertical Tracking Angle (VTA) describes the angle between a line, from cantilever pivot to stylus contact area, and the record surface. While this angle is manufactured into the cartridge, VTA will require setting when installing the phono cartridge to a tonearm. On a pivoting tonearm, a final VTA setting may be arrived at by raising or lowering the tonearm at its base mounting. Raising the entire tonearm will increase VTA, lowering will decrease VTA.

Usually, the VTA will be OK when the tonearm wand is parallel to the surface of the vinyl.

**Step 2: Place the protractor**, According to the instructions on the protractor, place the protractor properly, and please pay attention to whether the straight line pointing to the arm pivot is aligned or not.

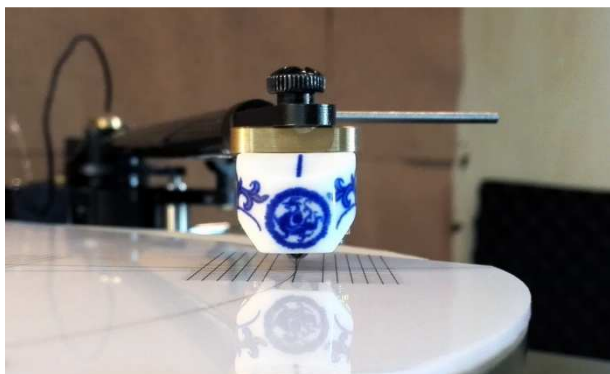


**Step 3: Stylus Track**, Adjust your cartridge, let the stylus of your cartridge move exactly along the stylus track arc on the protractor.



**Remark:** Before you do this step, please adjust the tracking force below 3.0g firstly, to avoid the stylus damaged by over weight.

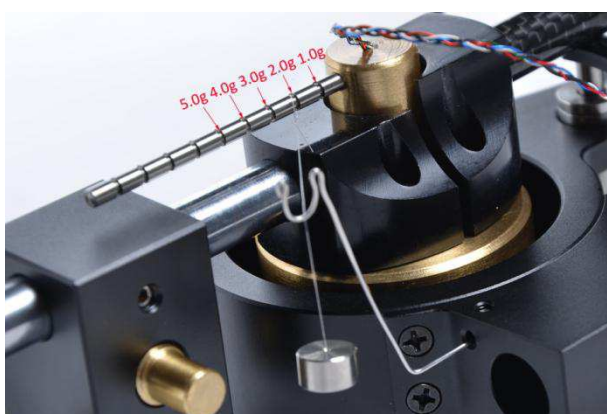
**Step 5: Zenith&Azimuth adjustment**, There are two matrix on the protractor, choose any one of them, align your cartridge's Zenith and Azimuth.



After the cartridge is adjusted on one of matrix, then use another matrix to verify result.

## Anti-Skate Force (Side Bias)

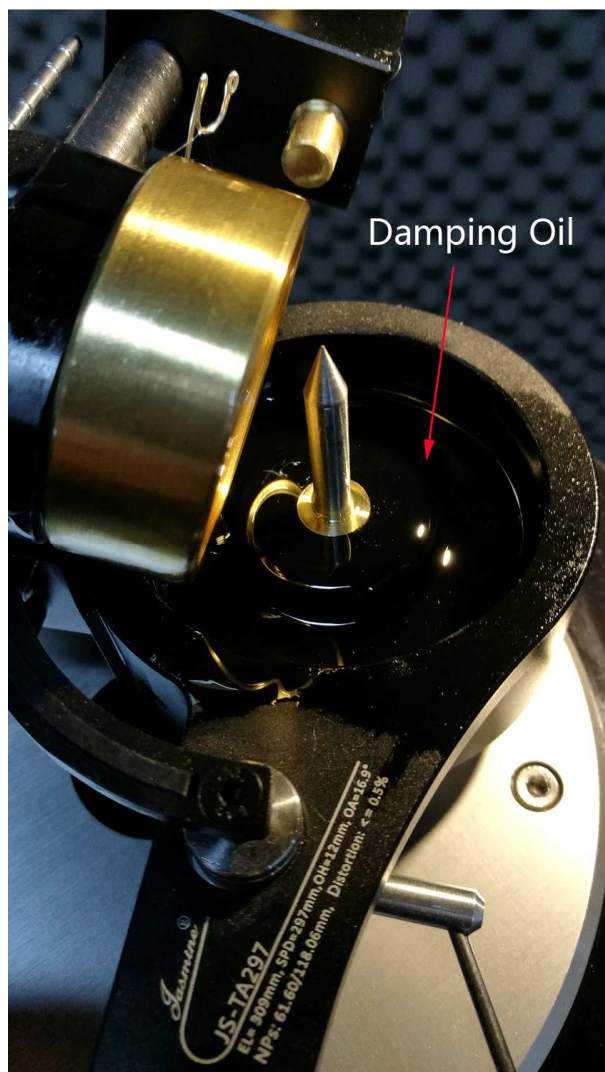
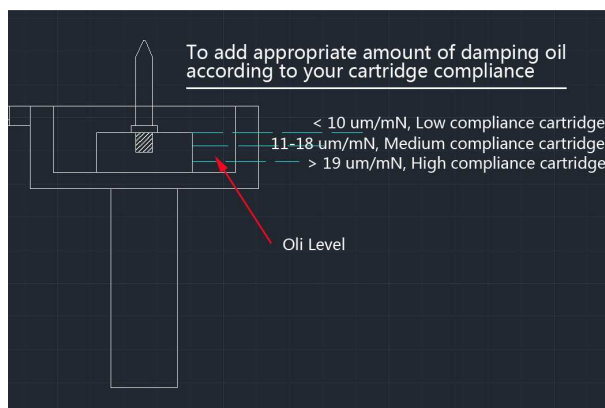
Side Bias applies an opposing force to balance the natural inward drag of a pivoting arm while playing. If left uncontrolled, the stylus would push up against the inner groove wall, causing slight distortion both from mis-tracking and a cantilever skewed in relation to the cartridge generator.



Each scale on the rod represents 1.0 grams. For example, if your cartridge tracking force is 2.0g, please hang the rope on the second scale.

## Damping Oil

For uni-point arm, the appropriate rotational damping oil is a very important factor to ensure good sound. JS-TA297 12 inch uni-point oil damping arm with a large damping oil cup, how much damping oil level is suitable? Please refer to the following instructions.



## Jasmine JS-TA297 Parameters:

Effective length:	309mm
Pivot to Spindle Distance:	297mm
Overhang:	12mm
Offset angle:	16.9 degree
Tracking Distortion:	<= 0.5%
Null points:	61.60mm/118.06mm
Cartridge weight:	min. 5g, max. 17 g
Effective mass:	13 g
Total weight :	585 g
Packing Size:	470 * 185 * 180mm
Packing Weight:	2.5 Kg

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