

Alexandria MK II suspension calibration

To dismantle the top plinth ...

- i) Remove the 3 screws holding the top plinth to the base. They are located around the inner platter hub (philips heads)
- ii) From below the plinth, remove the 6 screws holding the bottom base to the wood trim
- iii) Remove the 3 x 9/64th allen screws holding the tone arm to the sub-chassis
- iiii) Remove the 2 philips head screws holding the RCA board to the rear of the plastic base. Gently slide the RCA board about 3mm (1/8") to the right, then slightly up and push it inside. You can now pull the arm up from above being carefull to gently lead the RCA board through the arm mounting ring to prevent damaging the wires. You can now remove the top plinth.

Note : When re-installing the plinth, make sure you position the 33, 45 speed and on / off flaps so the LED align properly in the holes.

After dismantling the top plinth from the base of your Alexandria there are basic measurements that are important to properly adjust the suspension system.

1) We recommend you download the Delphi MK VI owner's manual for our web site, go to products, Delphi MK VI then owner's manual ... this will make you better understand how the suspension system works and is adjusted ... it is still the same procedure today as it was many years back.

2) With the plinth off ...

- a) Adjust the height of the brass stem so the seat for the nylon grommet is at 62mm (2 and 7/16th inch) from the bottom of the plastic base
- b) Carefully assemble the suspension springs in the sub-chassis following the instructions you read in the Delphi owner's manual
- c) Once each spring is where it should be, White or Grey at the front left, Yellow at the rear left and Red or Green on the right side,
- d) Before re-installing the top plinth place the platter, mat, record and tone arm loosely on the sub-chassis arm mounting ring. This is done to simulate the proper load for the sub-chassis to allow you to properly calibrate the suspension.
- e) adjust each springs so the distance between the top of the sub-chassis to the bottom of the turntable base is 38,1mm (1,5"). This has to be precise on all 3 springs. To do so you will have to move the spring inside its holder to make the spring stiffer or softer. In doing so hold the brass stem with a flat blade screw driver to prevent it from moving from its set height of 62mm (2 and 7/16th inch).

After the top plinth has been removed ...

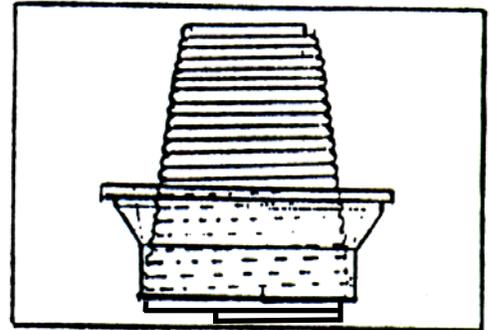
- 1) remove the main bearing from the sub-chassis and clean it with isopropyl Alcohol. After completely dry re-install to the sub-chassis and add 2cc of lubricating oil.
- 2 Preventive checks ... with a flat ruler check for the flatness of the sub-chassis.

Once every step has been properly executed re-assemble the top plinth to the base of the turntable.

Install the tone arm guiding the RCA board through the sub-chassis mounting ring and insert it in the slot at the rear of the base following the reverse procedure described above.

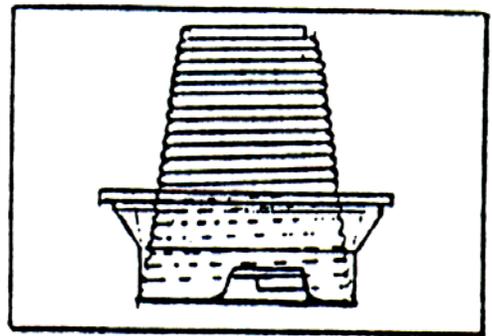
STANDARD SETTING

The new standard spring setting shows about 2 coils of the spring below the sleeve

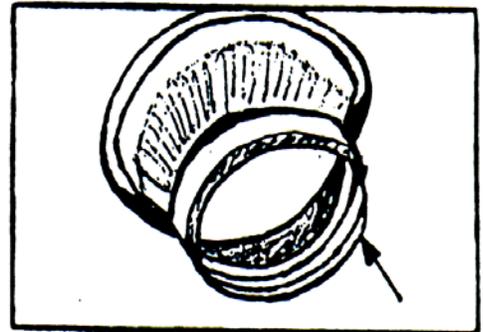


1. SOFTER SPRING SETTING

The spring can be turned further its holder to a maximum of 1/2 turn passed the beginning of the thread in the spring holder. This will result in a weaker (softer) spring since more of the coils are used. We redesigned the springs many years back and this extreme should never be reached. A softer spring calibration will have the impact of making the floating sub-chassis to sit lower.

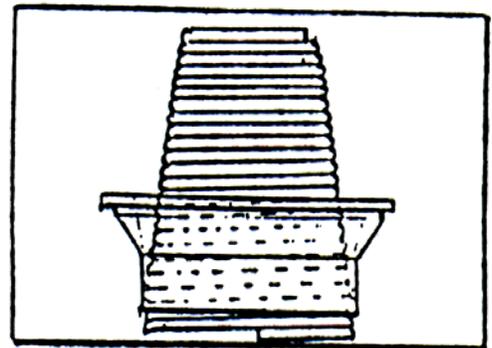


The beginning of the thread in the polyethylene Support.



3. STRONGER SPRING SETTING

A maximum of 5 full spires of the spring can be left out of the bottom of the support. This will result in a stronger spring since less of it is being used. This will result in making the floating sub-chassis to sit higher.

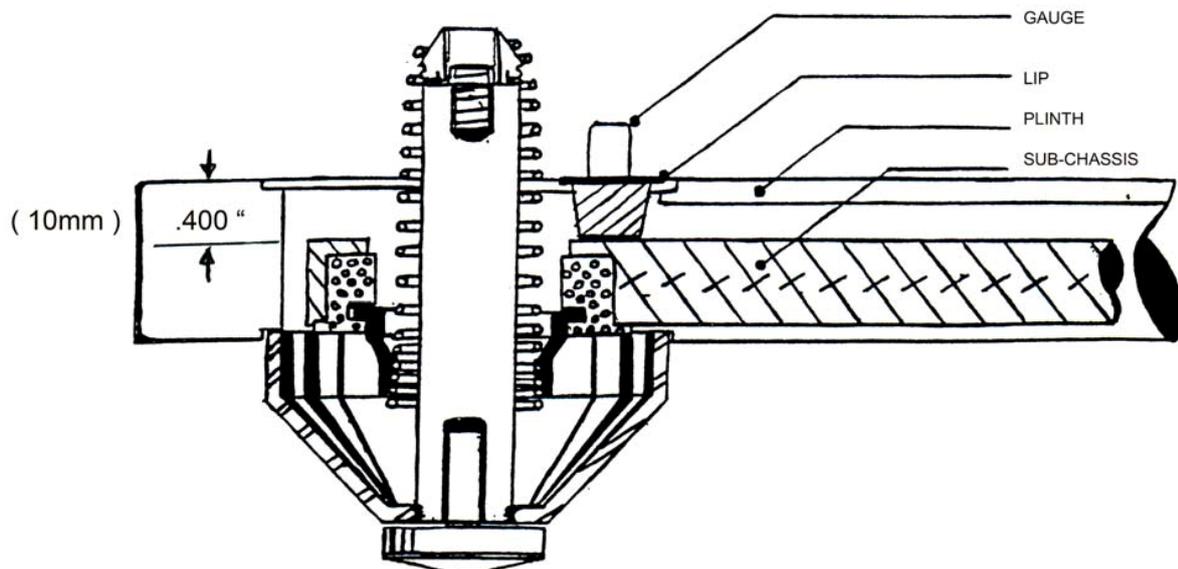


USING THE SUSPENSION CALIBRATION GAUGE ALEXANDRIA MKIII & MK IV

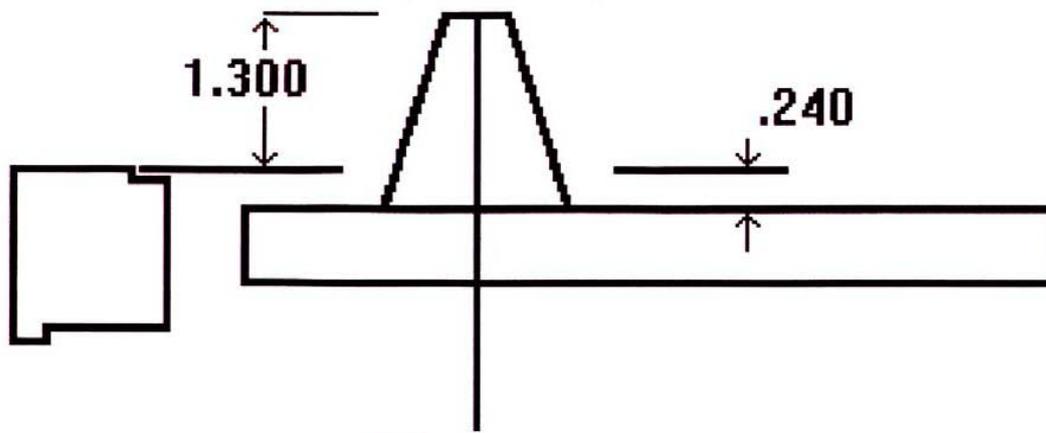
- Remove the cover on the right suspension module
 - Place the mat, an old record and the clamp on the platter
 - Position the suspension gauge on the subchassis.
- If the lip is above or below the level of the plinth a suspension calibration will be required.

The correct approach to assess or calibrate the suspension system is the following:

- 1). Always start with the suspension module located near the tone arm then move to the rear left module and finally to the front left module.
- 2). Never remove more than one suspension cover at the time. When the assessment or calibration is completed install the suspension cover on that module before moving to the next.



Alexandria Mk II



View of the Alexandria MkII important suspension calibration .

First adjust the 1.300" height by turning the adjustment stem. Then adjust the .240" height by changing the spring tension. As viewed from the top a clockwise rotation will make the spring stiffer. A counter clockwise rotation will make the spring softer. The platter, the mat, the tone arm, a record and the record clamp must be in place for an accurate calibration.