

I bought the turntable new possibly in 1977 I have the guarantee for the SME dated July 1978.

The deck and it's cover have survived pretty well even having had an old lathe and plaster ceiling falling directly on it, as the result of too much volume I guess!

The original case has 3 layers of cork/rubber composite gasket material bonded on with silicone.

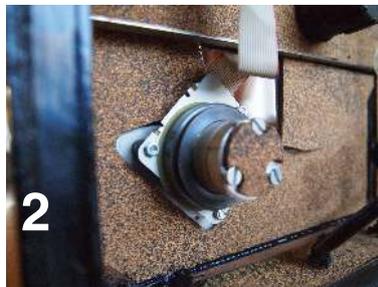
The metal deck 1 layer, The suspended chassis 1 layer as has the SME supplied wooden arm board.

The decorative alloy top of the deck is removed as are all of the control knobs and change speed mechanism.

The first picture shows the general layout underneath, extended ribbon to the motor.  
The control board mounting bracket and damping rubbers on the motor and main bearing.

Images 2 & 3 shows the extension to the motor it contains 3 oilite bearings and a bronze thrust pad to support the spindle which is precision ground needle roller the same diameter as the original short shaft. The length of the needle roller shaft not only extends down into these bearings but also up through the motor rotor giving a much better location for the pulley.

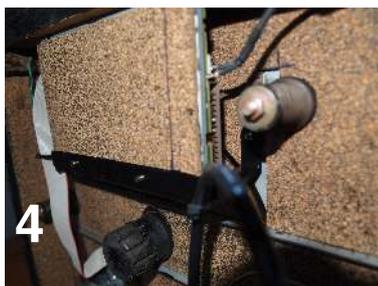
You can also see the motor mounted on rubber anti vibration pillars which came from Maplin even though I could detect no vibration from the motor.



4. Floppy drive electrics mounted on steel bracket and side of case plus damping.

5. Gold phono socket home conversion. Home made adjusting feet.

6. Motor mounting pillar from above



7. Damping in platter

8. Pulley.

9. Local engravers made this for me from pattern.



10. Original SME supplied arm board and my PSU.
11. LED on front of case and on PSU.
12. PSU contains 2 sets of 4 Nimh AA batteries input for charger switched output for start and stop of turntable.



13. SME 3009 11 with Shure V15 and Jico SAS stylus. I've been very pleased with this.
14. Record weight made from a bit of plate soldered to an off-cut of billet all solid brass.
15. Mat is made from the same composite as used elsewhere, the edge had to be ground using a spare turntable mounted in the mill and high speed stone. I think I would buy one next time it was very time consuming and made the machine in a mess!

I have just realised I have not shown the cover which is the original.

The damper rings around the base of the motor are just "O" rings the main bearing has a rubber motor cycle damper bush and a tank support rubber from a Moto Guzzi which just fitted nicely.

What may be of interest is the Torque of this motor, it accelerates the not inconsiderable mass of the Thorens platter up to speed in about 2.5 seconds, this is much quicker than the original motor, I have read of people doubting the ability of these motors in this application

Well that's it, I hope it is of some interest.

Oh the rest of the system comprises Lehman Black Cube phono am, Musical Fidelity A 3.5 amp and A 3.5 tape deck a mixture of interconnects non of which are expensive and some are home made, Vandame blue speaker cable to Alon 11 Loudspeakers

Regards  
Nick Hammond

