

## **Tonic for an NSM CITY II**

*My city II was slowly becoming noisy, it was developing a classic mains hum that was being commented upon by people with no technical background and little ear for music. Disappointing because just looking at the machine and its cabinet, tells you it is designed to move a lot of air quickly, which obviously was not happening.*

*Firstly classic cure for mains hum, replace the Electrolytic Capacitors used to smooth rectifier outputs these slowly fail in service, But fail more quickly if not used. Those of you with sick machines awaiting parts take note and power up occasionally to help protect the electrolytic capacitors.*

*Whilst making up a list to replace the power supply lytics, I thought what about the rest, they must also have degraded So I ended up purchasing replacements for ALL electrolytic Capacitors used in the machine, making sure that only the best quality components were purchased as replacements.*

*When all components were to hand, I spent the afternoon changing components and re assembling the machine, it was the moment of truth, Power up, I had deliberately left all volume and tone controls as they were previously set. Lights came on but otherwise there was a deathly silence, not a whimper was to be heard from the speakers, apprehensively I selected a record, The carriage started up, moved to the selection, loaded the disc all in total silence. The tone arm dropped onto the track and !POW! it almost blew the windows out, You could hear the music through your feet again. I live in a bungalow built in the 1930's and its built like a brick outhouse, but it was being rattled by the sound output from the City II. Next record selected after turning down the wick, was of orchestral classic music so that I could gauge the dynamic range of the amplifiers and speakers. Result **VERY IMPRESSED**, No more adverse comments about it,*

*This tonic I would recommend to any one, as their machine must be about the same age as mine, it is possibly suffering the same fall off in performance as mine was. If feel your not competent to do the work yourself, I sure you know someone you can trust with the work.*

**It's WORTH THE EFFORT**