



REPAIR/SERVICE REPORT

CSR NO.	DATE:
Customer Name	Address:

NATURE OF PROBLEM

Problem Reported:
Intermittent output.

Make: Musical Fidelity

Model: A1

Serial No.

SERVICE DETAILS

Testing confirmed output to be quite intermittent on both channels mainly due to a deteriorating input selector switch but also volume potentiometer found to be only slightly noisy at certain settings.

Input selector switch assembly desoldered from PCB and silver plated contact surface found to be quite sulphated when dismantled. Silver plated contacts chemically cleaned, polished and gold electroplated (~ 2 microns) with a coating of Caig Deoxit Gold contact treatment finally applied to deter any future degradation and wear. All electrolytic capacitors replaced for high temperature Nichicon long life audio grade components and a small number found to be failing when tested after removal. Tape monitor and MM/MC switch removed, chemically cleaned and treated with Caig DeOxit D5 treatment as these also become intermittent. Volume potentiometer removed, chemically cleaned and treated with Caig Deoxit Faderlube.

All solder joints on the printed circuit board inspected under magnification and several poor joints resoldered. New thermal compound used when remounting heatsink.

Unit performance tested:

DC offset on both channels <5mV.

Frequency response - 20Hz to 50Khz ± 0.5dB.

Quiescent bias measured on both channels and within spec. Phono stage driven with test tone and RIAA response correct for MM and MC inputs.

Harmonic distortion measured at 1Khz and less than 0.2% (Spec is <0.5%)

Power tested into 8 ohm load – 20W obtained per channel prior to clipping (at 1% THD) with both channels driven with tone at 1Khz. All inputs fed with test tone and all controls quiet in operation and both channels balanced at all volume settings. Heatsink temperature measured after 2 hours operation and stabilized at approx 50°C which is within typical ranges for this model

8 hour successful test into speaker with no further anomalies observed.

INVOICING/PAYMENT

Basic Fixed Price repair - £
+ all electrolytics £

Total - £ Invoiced via Paypal

All work carried out and parts used guaranteed for 3 months.