



REPAIR/SERVICE REPORT

CSR NO.	DATE:
Customer Name	Address:

NATURE OF PROBLEM

Problem Reported:
Intermittent Output.

Make: Mission	Model: Cyrus One	Serial No.
----------------------	-------------------------	-------------------

SERVICE DETAILS

Initial testing confirmed input selector very intermittent on all settings settings and volume control also slightly noisy and intermittent on higher settings. MM/MC switch very intermittent meaning MC setting of phono stage not functioning correctly.

Input selector switch assembly desoldered from PCB and silver plated contact surface found to be fairly sulphated when dismantled. Silver plate 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. Volume potentiometer removed from PCB, flushed clean in a solvent bath, chemically cleaned and track lubricated with 100% Caig Deoxit Faderlube to deter any future noise. MM/MC switch replaced for a new component and Record switch cleaned and lubricated with Caig Deoxit F5.

All electrolytic capacitors replaced with audio grade Nichicon replacements and most were beginning to fail when measured or had failed. Main PSU capacitors both tested for capacitance/ESR and in as new condition still. RCA sockets all resoldered. PCB thoroughly inspected for any dry joints under magnification and a small number of poor joints remade. 1 fuse replaced as incorrect time delay (T3.15A) used instead of F3.15A fast blow fitted. Replacement feet fitted to base.

Unit powered and dc offset on both channels measured at <10mV (spec ±50mV) Frequency response measured and exceeds original spec of 1Hz to 50Khz -3dB. Quiescent bias measured on both channels and too high on left channel so reset to within the 8-20mV range as per Cyrus spec after 30 minutes warm up. Phono stage driven with test tone and RIAA response within spec for MM and MC inputs. Power tested into 8 ohm load – 32W obtained per channel prior to clipping with both channels driven with tone at 1Khz. All inputs fed with test tone and selector switching cleanly between all and volume control quiet in operation. 8 hour successful test into speaker using all inputs with no further anomalies observed.

INVOICING/PAYMENT

Basic Fixed Price Repair/ Servicing	- £139
All Electrolytics (excl main PSU caps)	- £25
Total	£164

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