



REPAIR/SERVICE REPORT

CSR NO.	DATE:
Customer Name	Address

NATURE OF PROBLEM

Problem Reported:
Intermittent input selector and not powering on.

Make: Arcam	Model: Arcam Delta 290	Serial No.: D290----
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SERVICE DETAILS

Initial examination found T1.6A fuse blown. Output stage Mosfets all tested fine and fault eventually traced to short circuit rectifier diode in main power supply. All 4 diodes replaced with new components as failure of 1 stresses the remaining ones. Successful power test then confirmed input selector badly intermittent as reported.

Input selector switch desoldered from PCB and dismantled and contacts had become sulphated. Switch wafers chemically cleaned and polished to restore silver plated contact surfaces, gold electroplated (approx 2 microns) and finally treated with 100% Caig Deoxit Gold contact treatment to provide long term protection against any future tarnishing and wear. Both speaker relays replaced. 4 electrolytics in the preamplifier power supply replaced with 105 deg C rated components as these often fail early due to heat from adjacent heatsinks. Volume, tone and balance potentiometers also treated with Caig Deoxit Faderlube to prolong life. All other on board switches and headphone socket cleaned and treated with Caig Deoxit D5. PCB closely inspected under magnification for any other issues.

All inputs fed with test tone and selector switching cleanly between all sources and volume, balance and tone controls quiet in operation. DC offset on both channels measured at <10mV. Frequency response measured and exceeds original spec of 20Hz to 20Khz \pm 1dB. Quiescent bias measured within Arcam spec across test points after 30 minute warm up. Power tested into 8 ohm load – 78W obtained per channel prior to clipping with both channels driven with tone at 1Khz. Remote control functionality tested for input selection and volume adjustment ok.

Amplifier reassembled, cleaned externally and followed by a 4 hour successful power test into speakers with no further anomalies

INVOICING/PAYMENT

Repair/ Servicing - £145
All work carried out and parts used guaranteed for 3 months.