

Alignment

If repairs have been made to the power amplifier section of the Cyrus Two, it will be necessary to set the bias current to the correct value. The points for checking the bias current are across one of the output transistor emitter resistors, (R107A for the left channel and R108A for the right channel).

- Switch off the power to the amplifier.
- Connect a digital test meter reading millivolts to the bias test points for the left channel.
- Switch on the amplifier. Set the volume to minimum (Do not connect a signal source or loudspeakers to the amplifier whilst adjusting quiescent current).
- The meter reading should be in the range 8 - 20mV. If the voltage is too high, it can be reduced by increasing the value of R81 to the next preferred value of 180R. If the voltage is too low, connect a resistor of value 220R across R81 using the solder pillars fitted to the pcb.
- Now connect the test meter to the bias test points for the right channel and repeat the above procedure.
- Leave the amplifier to stabilise for ten minutes and check that the voltages are still within the recommended values.

Adjustments for use with a Cyrus PSX

The Cyrus Two can be used with an optional PSX power supply. The PSX supplies DC power directly to the main reservoir capacitors of the Cyrus Two and therefore powers the main amplifier stages. The power transformer of the Cyrus Two remains active at this time to provide power for the pre-amplifier circuits. This improves both the technical and sonic performance of the Cyrus Two.

To use the Cyrus Two with a PSX it is necessary to remove the DC fuses from the Cyrus Two main pcb (F1 and F2).

Setting for mono operation

For certain applications (e.g. bi-amping), it is possible to operate the Cyrus Two as a mono amplifier. This is achieved by linking the two pins marked "M" (adjacent to R49 and R50) and removing the link X12 (adjacent to the above pins). Input to the right channel is then (via any of the line inputs or the phono input) routed to both output channels.