

## **MECHANICAL**

Apart from a normal Laboratory tool kit the following tools will be necessary:-

M3 Nut driver..( 5.5 mm. AF)

M4 Nut driver..( 7.0 mm. AF)

M8 Nut driver..( 13.0 mm. AF) or Box spanner .

Metric Hexagonal Key set.

**NOTE** All the nuts used in the amplifiers are self locking. They will not vibrate loose and **should not be overtightened**.

**Cover** The cover is secured with special flanged M4 machine screws. When replacing, take care not to overtighten them as they will bind and be very hard to remove.

**Front panel** Remove the front panel as follows:-

1. Remove the screws ( marked A on Fig.1 ) which retain the Front panel assembly.
2. Unclip the 40 way connector to the display Printed Circuit Board (PCB). - The panel assembly can now be removed.
3. Remove the 4 x M5 bolts which retain the handles.
4. Remove the M4 nut in the centre of the panel.

When replacing the panel assembly to the chassis ,fix the side nearest the mains transformer first, as the whole assembly is under tension.

**Power modules** To remove a Power module:-

1. Remove the M3 nut which clamps the retaining bracket ( B in fig.1 )
2. Lift the module and move it forwards ( as indicated by the arrows on fig.1 ). The module will then lift out.
3. Remove the connectors .

When replacing the module follow the steps 1-3 in the reverse order, making sure that the 'U' shape brackets ( C on fig.1 ) are properly located to the insulated pillars.

**Power Supply** This is retained with 4 x M3 nuts.

**Processor PCB** This is located on the side of the chassis and is retained with 'snap-on' PCB pillars. To remove, lever off carefully with a small screwdriver inserted between the PCB and the chassis. To replace, locate the pillars into the mounting holes and 'snap-on'.