

### 6.4 Stereophonic Sound Presentation

Ensure that the left and right channels are correctly connected from the pick-up, tape machine, tuner etc., through to the loud-speaker. If a stereophonic test record and test tape are available, a complete system check can be made.

## 7. OPERATING THE EQUIPMENT

### 7.1 Input Programme Selection

All programme sources may be permanently connected to the pre-amplifier and selected by means of the push button switches on the front panel. The front panel is engraved to show the programme sources corresponding to the input sockets.

### 7.2 Tape Replay and Monitoring

The INPUT sockets on the rear panel marked 'TAPE INPUT' should be connected to the OUTPUT sockets of the tape machine marked 'AMPLIFIER' and the 'TAPE OUTPUT' sockets on the amplifier should be connected to the RECORDING INPUT sockets on the tape machine.

By operating the push-button on the front panel marked 'TAPE MONITOR' the recorded programme may be monitored **WHILST THE RECORDING IS TAKING PLACE**, if the installation is connected as shown in the schematic arrangement of Fig. 3. Reproduction of recorded tapes is obtained similarly by operation of the 'TAPE MONITOR' push-button. Recordings may be made from any input connected to the pre-amplifier by setting the function switch to the desired input signal.

### 7.3 Tape Copying

For tape copying the playback machine should be connected to the 'AUX. 2' input, see Fig. 3 as above. The process of recording and monitoring can then be carried out as detailed in 7.2.

FIG. 1. Audio Input Terminations

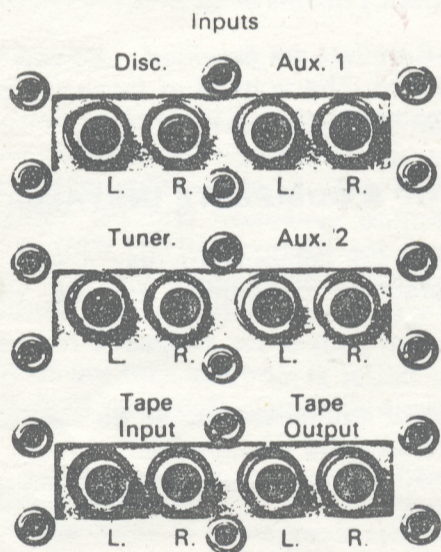
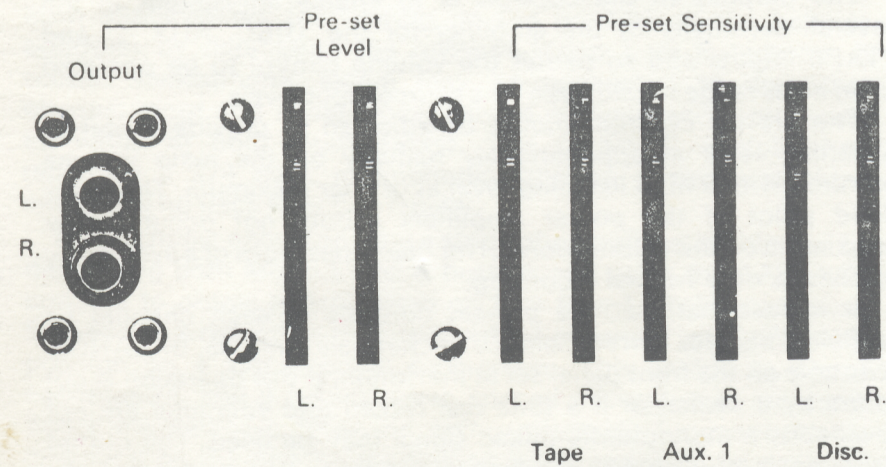
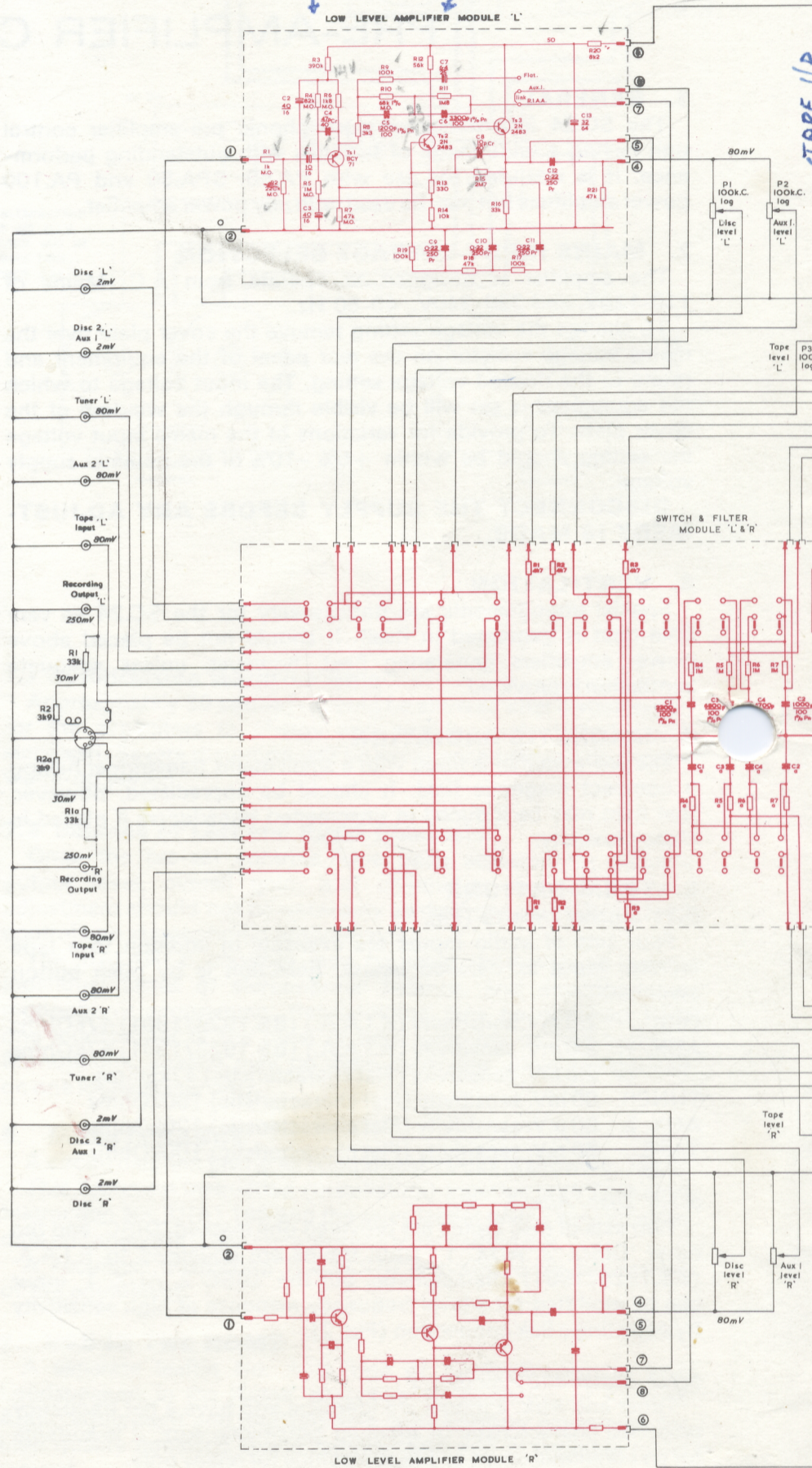


FIG. 4. Pre-set Controls



*Mod to remove L.F. filter + flatter resp.*  
 $R_{11} = 1.2 M.$   $C_3 = 150 \mu$   
 $C_5 = 1000 P.F.$   $C_2 = 150 \mu.$   
 $R_{10} = 75 K$   
 $C_{12} = 0.68 \mu.$   
 $B = 13 V$   
 $E = 14 V$   
 $C = 4.4 V$   
 $delete C_9 - C_{10} - C_{11}$   
 $R_{17} - R_{18} - R_{19}$   
 $2N3964$   
 $BCH49R$   
 $BCH49R$

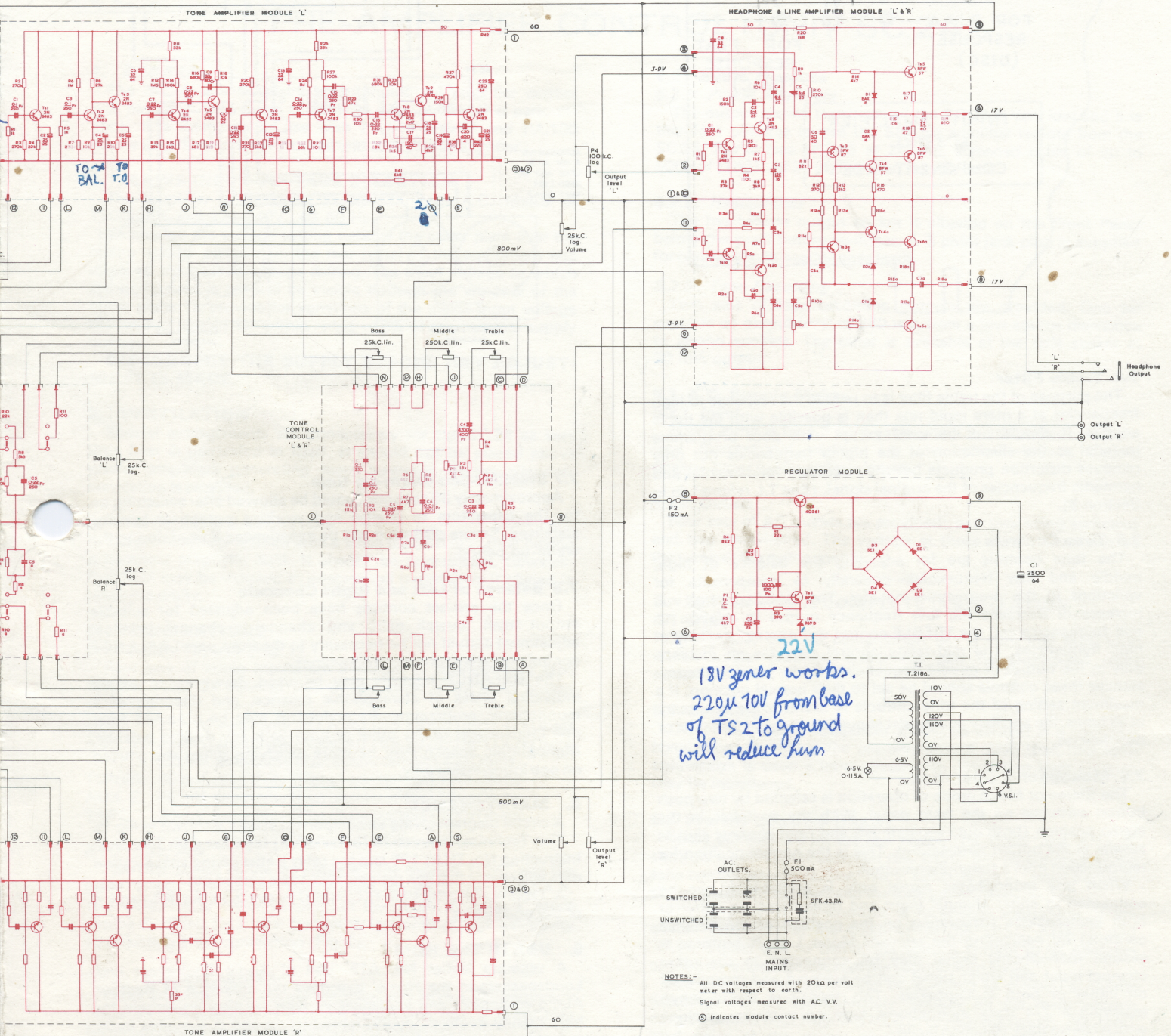


R11 adj. L.F.  
 C5 adj. H.F.  
 R10 adj. M.F.

connect circled pin to top of balance. This will  
 Bypass TS2, for DVC, TS2 limits overload to less than  
 100 mV.  
 AUX2  
 to TAPE O/P  
 remove short  
 wire, already  
 connected.

ALL BC149A FOUND C7=10M  
 R12=1M

BC149A  
 BC149A  
 BFW58  
 BFWP8



18V zener works.  
 220u 10V from base  
 of TS2 to ground  
 will reduce hum

NOTES:-  
 All DC voltages measured with 20kΩ per volt  
 meter with respect to earth.  
 Signal voltages measured with AC. V.V.  
 Ⓢ Indicates module contact number.