

## FAULTS WHICH MAY OCCUR

### SYMPTOM

Fuse repeatedly blows

### LIKELY CAUSE

Loudspeaker leads are shorting out  
Failure of T6  
Open circuit TH2 or P7  
Failure of T4 or T5  
Fault developed in T1 or possibly T2  
Noisy T4

Test point voltage cannot be adjusted to  $\pm 23$  V  
Excessive noise when volume is advanced  
Excessive noise with volume control at minimum

## SPECIFICATION

**INPUT SENSITIVITIES:** for full power output at 1,000 c/s into a 15 ohm load.  
When using a 4 ohm load the sensitivities will be twice as high for the same power output.

	HI	LO
<b>PICKUP 1 (RIAA CHARACTERISTIC):</b>		
Input impedance:	3-5 mV 47k ohm	—
or		
<b>PICKUP 2 (RIAA CHARACTERISTIC):</b>		
Input impedance:	20 mV 33k ohm	60 mV 100k ohm
<b>TUNER:</b>		
Input impedance:	30 mV 50k ohm	200 mV 50k ohm
<b>TAPE AMP. (TAPE MONITOR SWITCH 'OFF'):</b>		
Input impedance:	125 mV 50k ohm	250 mV 100k ohm
<b>TAPE AMP. (TAPE MONITOR SWITCH 'ON'):</b>		
Input impedance:	125 mV 20k ohm	620 mV 72k ohm
<b>MICROPHONE:</b>		
Input impedance:	3 mV 33k ohm	125 mV 150k ohm
<b>TAPE HEAD:</b>		
Input impedance:	3 mV 47k ohm	—

### POWER OUTPUT:

10 watts into a 15 ohm load  
IHF M music rating.  
15 watts into a 4 ohm load  
IHF M music rating.

### DISTORTION:

0-1% for 8 watts output per channel (IHF M) at 1,000 c/s into a 15 ohm load.

### HUM AND NOISE:

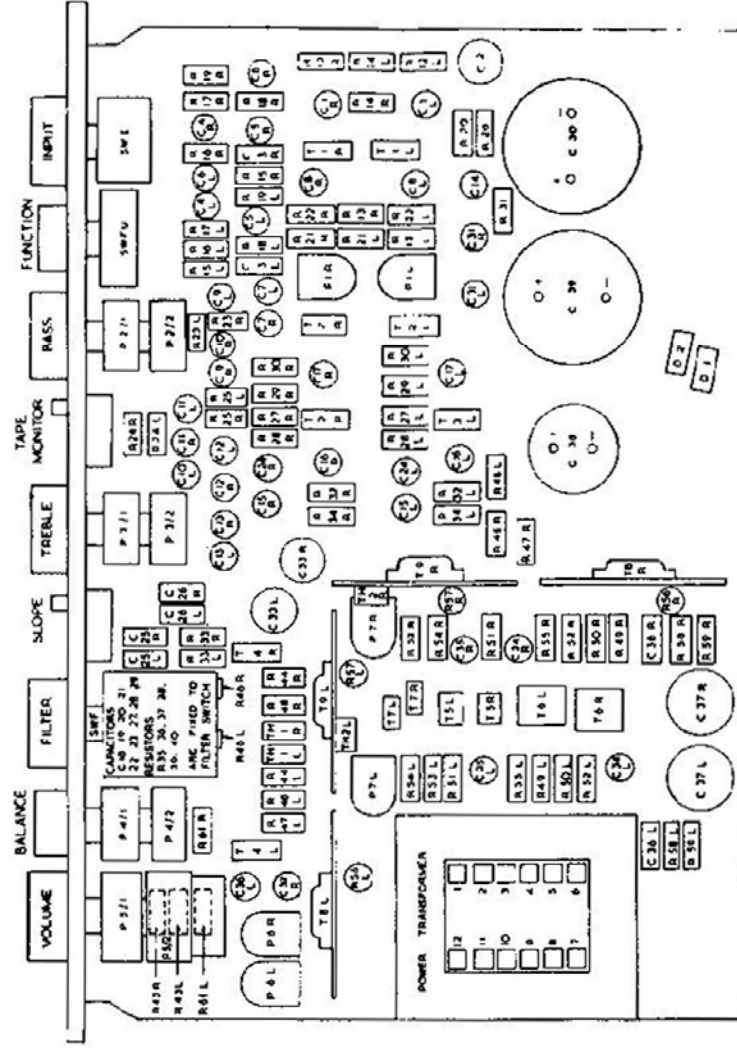
66 dB below full output on 'TUNER' and 'TAPE AMP', and 52 dB below on other inputs.

### DAMPING FACTOR:

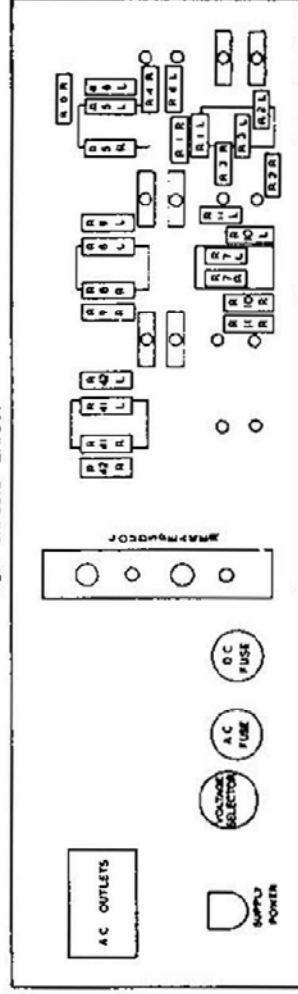
60 measured at 1,000 c/s.

### CROSS-TALK:

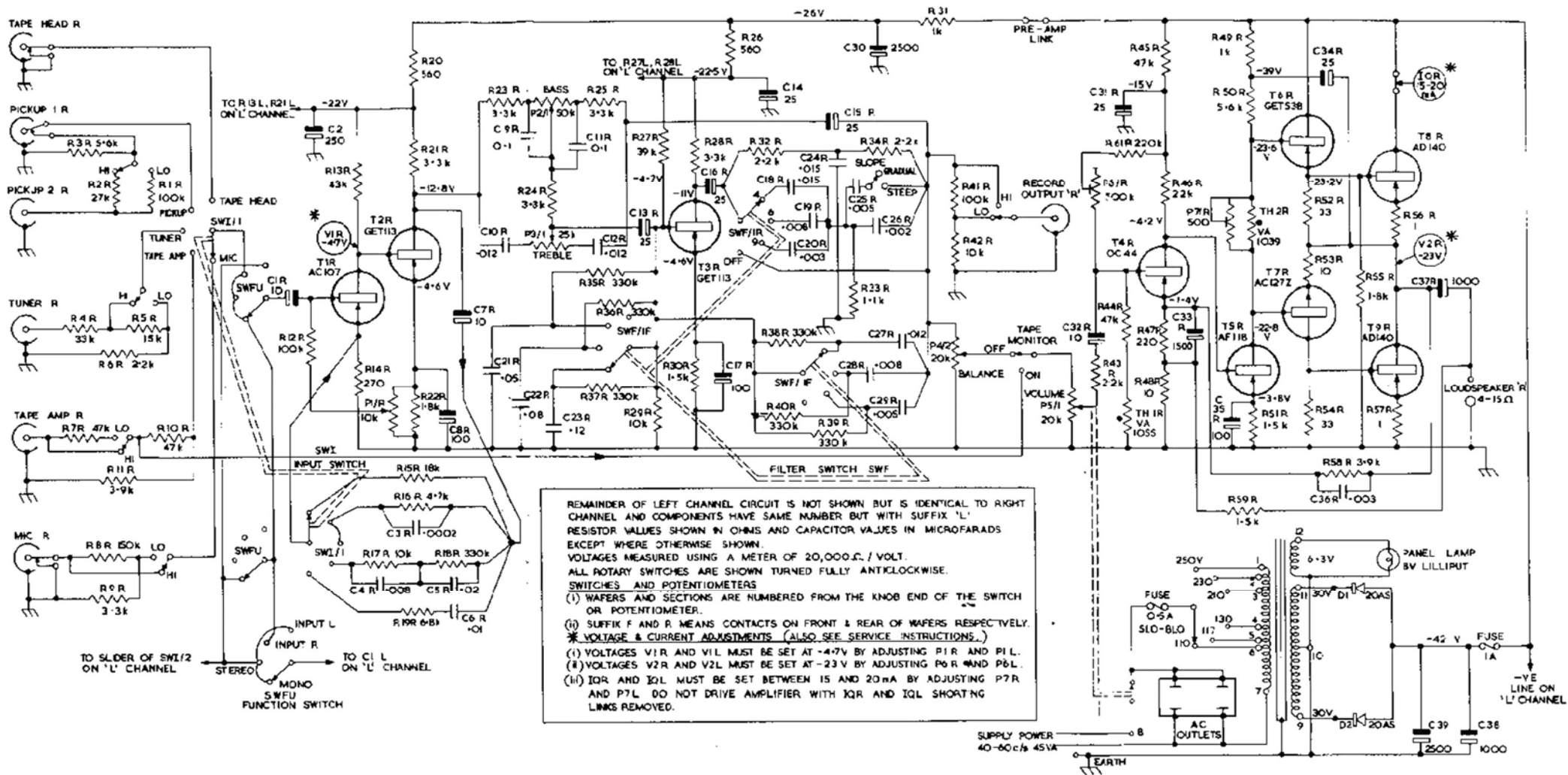
Between 'L' and 'R' channels  
—50 dB up to 1,000 c/s.  
—30 dB at 10,000 c/s.



TOP CHASSIS LAYOUT



INSIDE VIEW OF REAR FACE



CIRCUIT DIAGRAM

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