

Rogers Majestic R105A - Philips A3C95A

NOTE 1

The speaker plug may be removed without damage to the amplifier, provided the volume control is in the minimum position or a dummy load is connected instead.

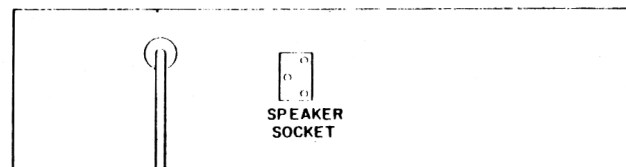
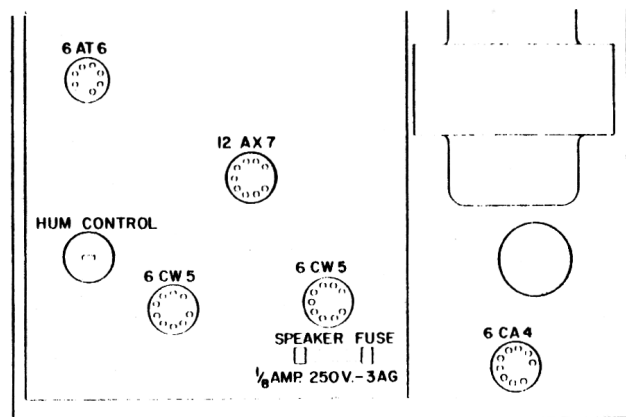
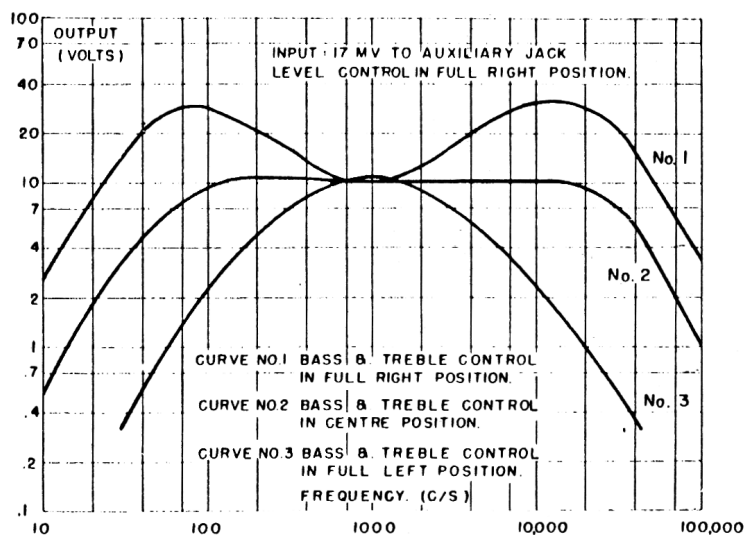
WARNING

For maximum volume control setting the audio voltage across the high impedance speakers can amount to 80 V.

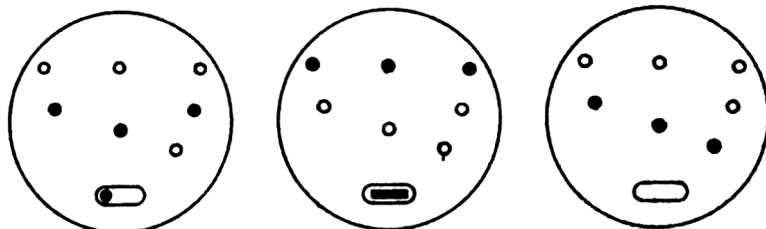
NOTE 2

The a.c. voltmeter used should be capable of measuring accurately up to at least 10 Kc/s., otherwise incorrect readings may be obtained for the middle and higher audio frequencies.

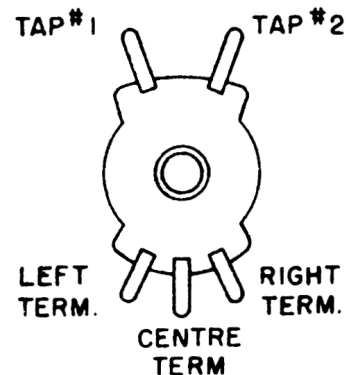
When replacing the first audio amplifier tube 6AT6, it may be necessary to readjust the hum control. Adjust this for minimum hum from or across the low frequency speaker AD3800A with the loudness and bass controls turned to maximum and with no connection to the phono input.



JUMPER CONNECTION



HOLE GROUPINGS USED FOR ALTERNATE TYPES OF ELECTROLYTIC CAPACITORS

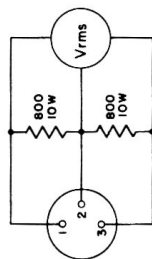


CONTROLS — FRONT VIEW



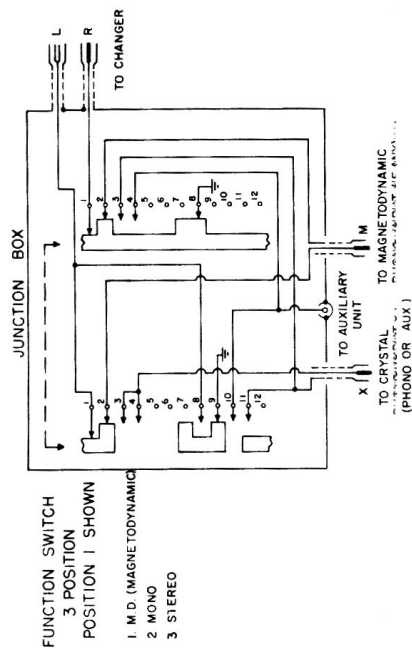
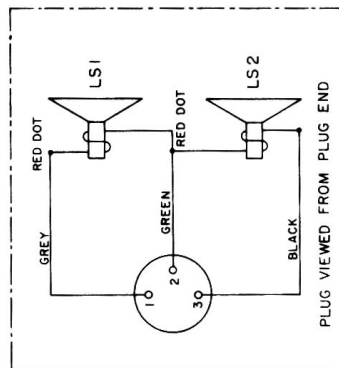
DUMMY LOAD USED FOR TESTING AMPLIFIER.

CROSS-OVER FREQ = 900 C/S

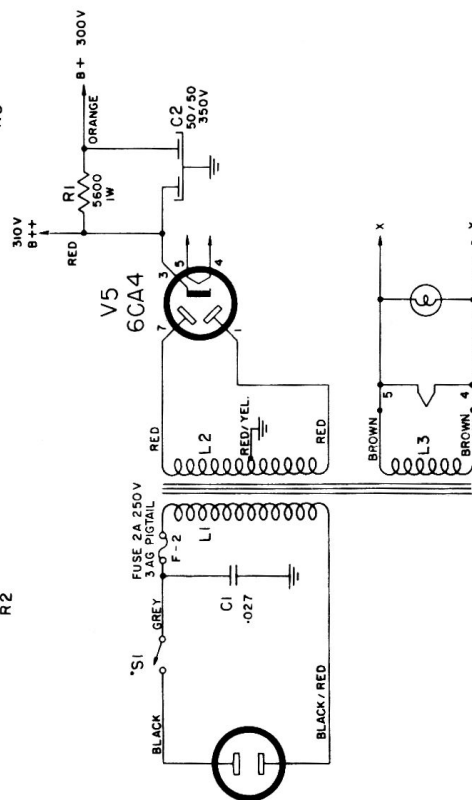


TOTAL POWER OUTPUT IN WATTS

$$W = \frac{V_{rms}^2}{800}$$



NOTES: ARROWS INDICATE CLOCKWISE ROTATION OF SHAFTS. RESISTOR VALUES INDICATED IN OHMS, K=1000 OHMS, MEG=1000 000 OHMS. CAPACITOR VALUES —F INDICATED IN MICROFARADS, —M— INDICATED IN MICROFARADS. VOLTAGES MEASURED TO GROUND WITH A 20 000 OHMS PER VOLT METER.



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PRINTED PANEL		
TERM.	WIRE COLOR	DESTINATION
1	WHITE	LOUDNESS CONTROL TAP #1
2	WHITE	LOUDNESS CONTROL TAP #2
3	WHITE	BASS CONTROL LEFT TERM.
4	WHITE	BASS CONTROL CENTRE TERM.
5	WHITE	BASS CONTROL RIGHT TERM.
6	WHITE	TREBLE CONTROL LEFT TERM.
7	WHITE	TREBLE CONTROL CENTRE TERM.
8	WHITE	TREBLE CONTROL RIGHT TERM.
9	ORANGE	B +
10	SHIELDED	LOUDNESS CONTROL CENTRE TERM.
11	SHIELD	LOUDNESS CONTROL LEFT TERM.
12	BLACK	6.3 VOLTS POWER TRANS.
13	BROWN	6.3 VOLTS POWER TRANS.
14	BLUE	DOUBLE CHOKE
15	RED	B ++
16	BLACK	DOUBLE CHOKE
17	GREEN	DOUBLE CHOKE
18	GREY	SPEAKER SOCKET
19	BARE	GROUND
20	YELLOW	OUTPUT ELCO

