

MASCO

MASCO Tape Recorders
Models 52, 52C, 52CR,
52L, 52LR, and 52R.

TAPE RECORDER RADIO TUNER

Voltage Measurements			
TUBE	5BA6	6BE6	6SF7
PIN # 1	-0.85VDC	-2VDC	—
2	0	0	-0.85VDC
3	0	0	0.6VDC
4	6.3VAC	6.3VAC	107VDC
5	94VDC	94VDC	-0.95VDC
6	102VDC	60VDC	90VDC
7	0.3VDC	0	6.3VAC
8	—	—	0

All voltages to ground, measured with 20,000 ohm/volt meter

TAPE RECORDER AMPLIFIER

SOCKET PIN VOLTAGES *

	1	2	3	4	5	6	7	8	9
12AX7	73 V.	0	0.25 V.	10.5V.DC 5.4V.AC*	10.5V.DC 5.4V.AC*	75 V.	0	0.36 V.	10.5V.DC
6SL7GT	0	102 V.	1.6 V.	0	110 V.	1.7 V.	10.5V.DC 6.3V.AC*	10.5V.DC 6.3V.AC*	—
6SN7GT	0	270V/Record 10.5V.DC 6.3V.AC*	0	0	105 V.	4 V.	10.5V.DC 6.3V.AC*	10.5V.DC 6.3V.AC*	—
6V6GT	—	—	260V/Play 6.3V.AC*	275V/Record 10.5V.DC 6.3V.AC*	215 V.	—	10.5V.DC 6.3V.AC*	10.5V.DC 6.3V.AC*	—
6X5GT	260V	10.5V.DC 6.3V.AC	220V/AC	220V/AC	220V/AC	220V/AC	10.5V.DC 6.3V.AC	295V	—

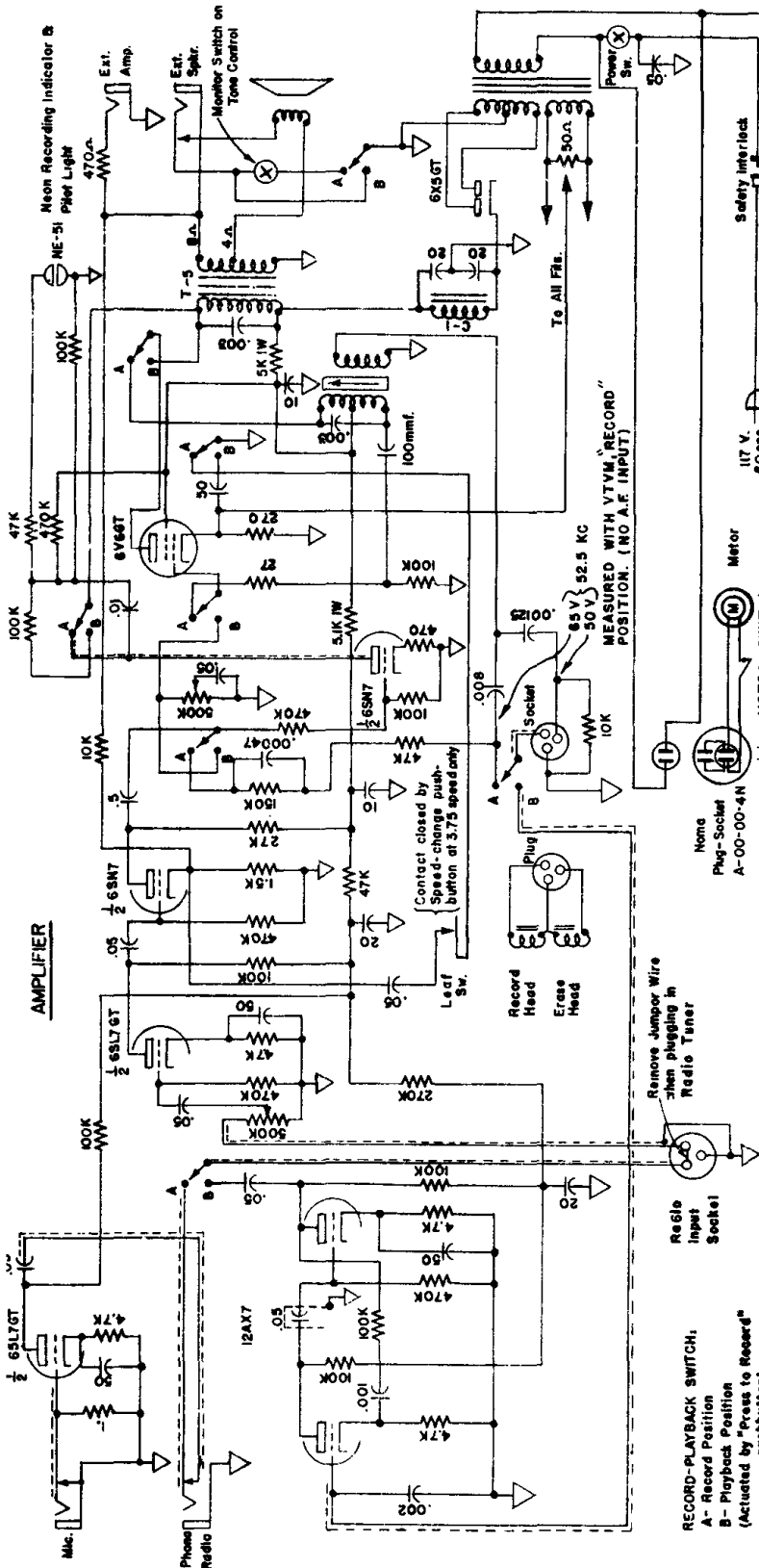
* All voltages to ground, measured with a 20,000 ohm per volt meter

x Filament voltages measured between pins marked "X"

SOCKET PIN RESISTANCES *

	1	2	3	4	5	6	7	8	9
12AX7	150K	See Warning!	5.1K	300	300	150K	470K	4.7K	300
6SL7GT	470K	150K	4.7K	0	140K	4.7K	300	300	—
6SN7GT	90K	—	470	470K	75K	1.5K	300	300	—
6V6GT	—	300	42K	40K	270K	—	300	270	—
6X5GT	40K	300	200	—	200	—	300	40K	—

* All resistances measured to ground in Playback position.
WARNING: Do not test at this point with ohmmeter. Do not test head with ohmmeter. (D.C. current will magnetize core.)



117 V.
60 cps.

Safety Interlock

Motor
A-00-00-4N

Motor Switch
ACTUATED BY
LEVER NO. 2

Remove Jumper Wire
when plugging in
Radio Tuner

Record Head
Erase Head

Plug-In Socket

Plug-In Socket

Plug-In Socket

Plug-In Socket

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UNLESS OTHERWISE SPECIFIED:
All Resistors in Ohms (Ω, W, or M)
All Capacitors in Microfarads (μF)

