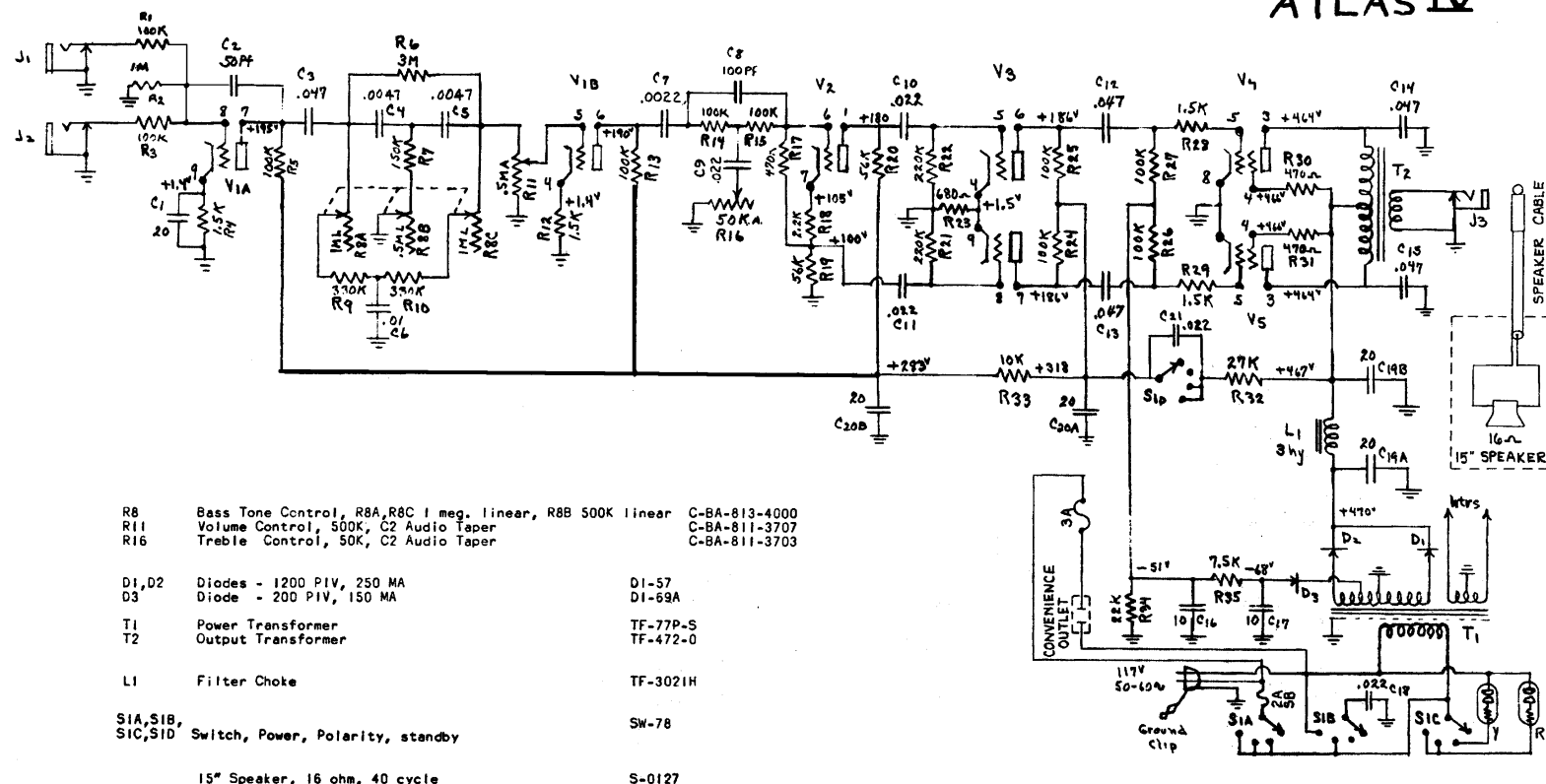


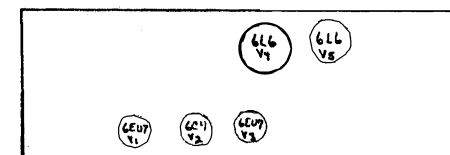
- ▶ **This File contains 116 schematics from the Gibson company**
- ▶ **To use this file click on the Show/Hide Navigation Pane  (on the menu bar), and then click the Bookmarks tab**
- ▶ **or ... Choose Window > Show Bookmarks**
- ▶ **Click the bookmark for the manufacturer whose schematics you wish to view**
- ▶ **If the entry has a triangle to the left, click on the triangle to view sub-entries**

**FUSE**

The fuse used in this Amplifier is a type 3AG of three amperes rating
DO NOT USE FUSES OF HIGHER RATING

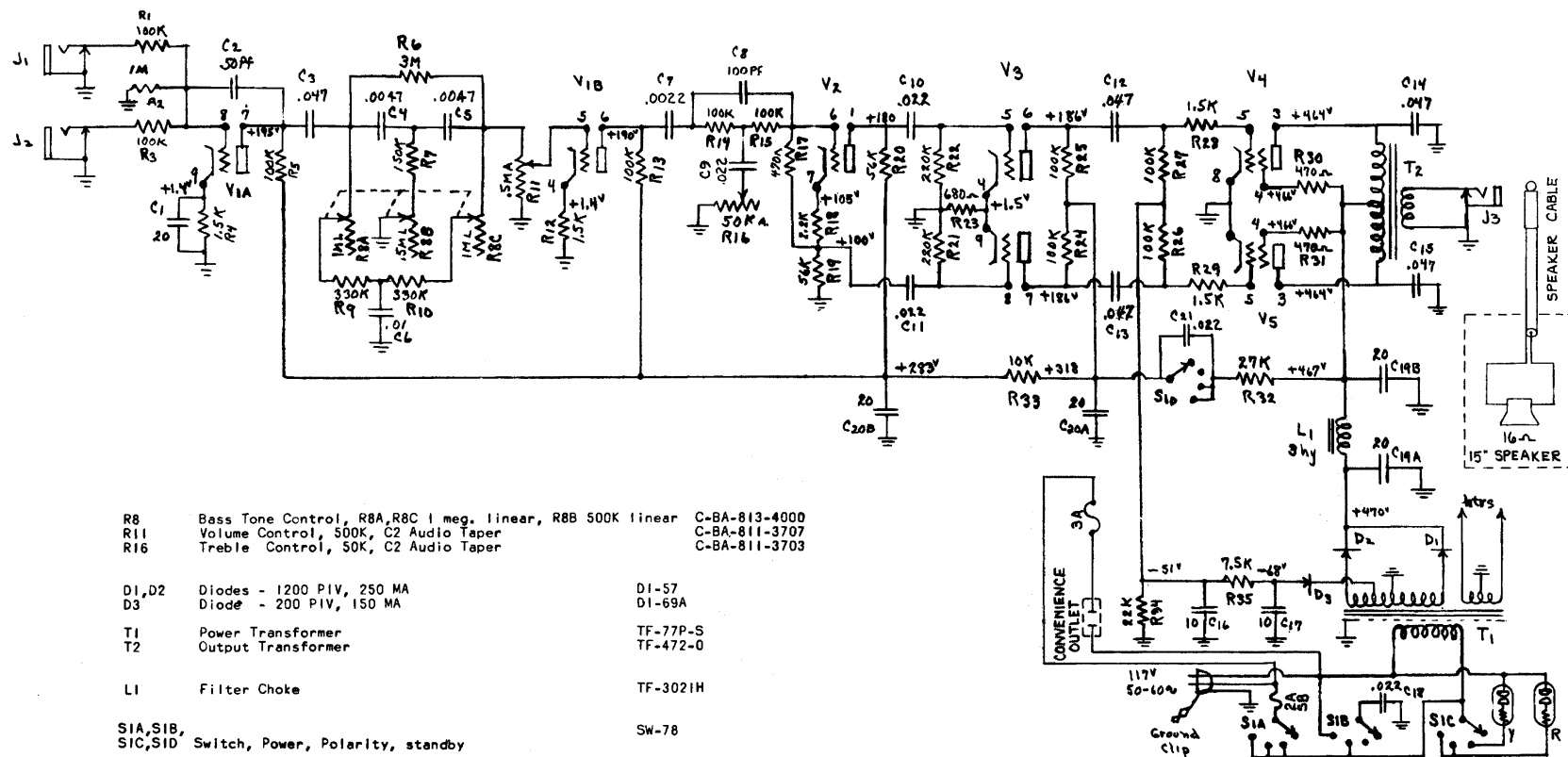
SERVICE

If the amplifier is in need of servicing, it should be taken to a reliable radio man. The electrical diagram in this folder should be shown the repairman to assist him in servicing the amplifier.



D.C. VOLTAGES TO CHASSIS WITH V.T.V.M.
CAPACITORS IN MFD EXCEPT WHERE NOTED.

ATLAS MEDALIST



R8 Bass Tone Control, R8A, R8C 1 meg. linear, R8B 500K linear C-BA-813-4000
 R11 Volume Control, 500K, C2 Audio Taper C-BA-811-3707
 R16 Treble Control, 50K, C2 Audio Taper C-BA-811-3703

D1, D2 Diodes - 1200 PIV, 250 MA
 D3 Diode - 200 PIV, 150 MA

T1 Power Transformer
 T2 Output Transformer

L1 Filter Choke

S1A, S1B, S1C, S1D Switch, Power, Polarity, standby

15" Speaker, 16 ohm, 40 cycle

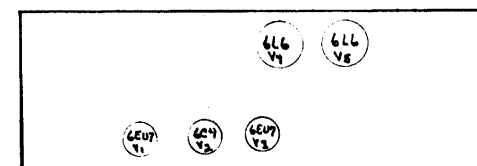
D1-S7
 D1-69A

TF-77P-S
 TF-472-0

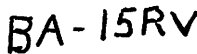
TF-3021H

SW-78

S-0127



D.C. VOLTAGES TO CHASSIS WITH V.T.V.M.
 CAPACITORS IN MFD EXCEPT WHERE NOTED.

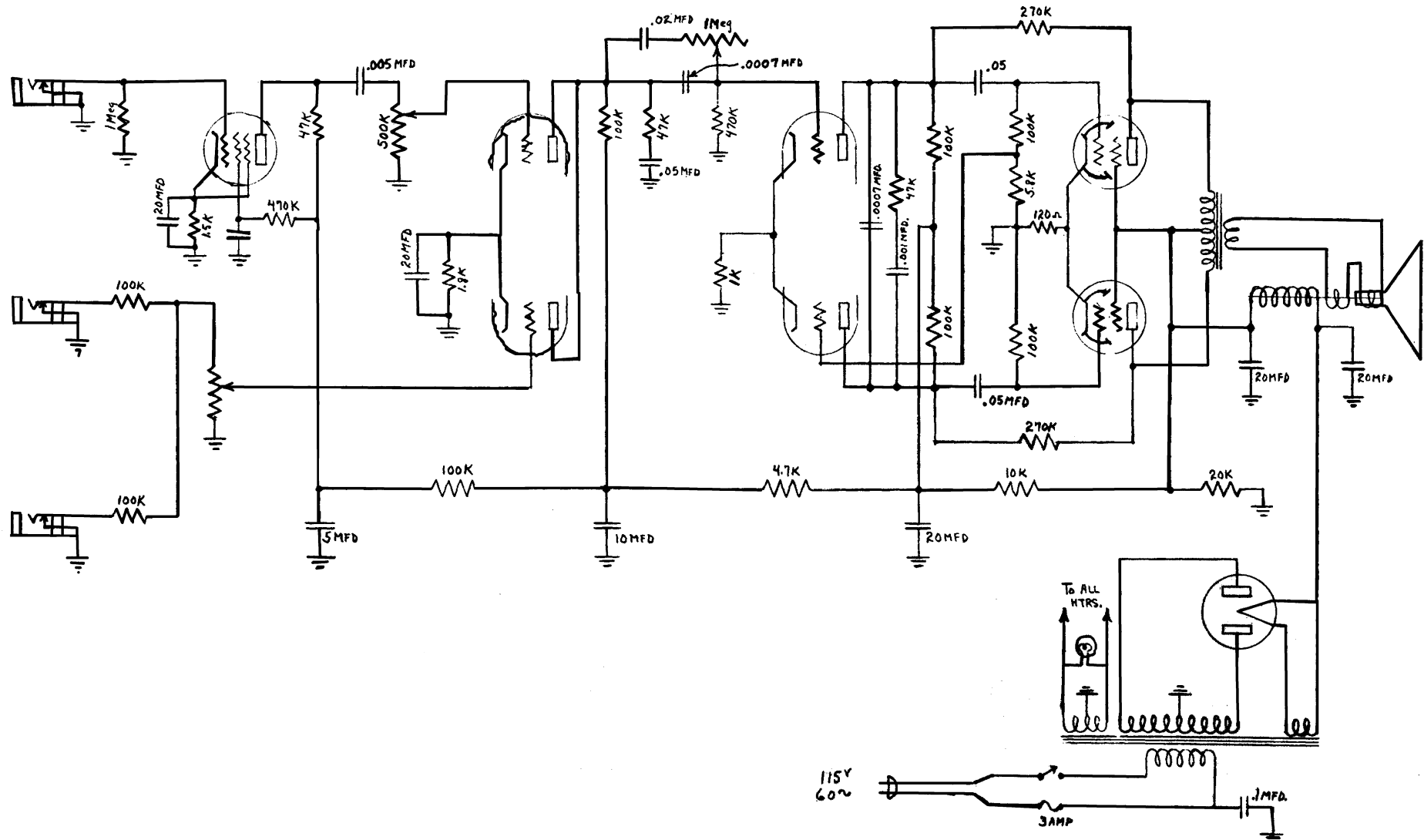


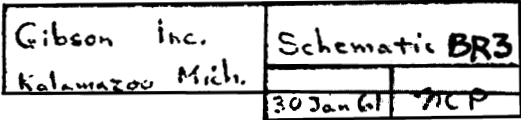
NR.	TYPE	PN 1	PN 2	PN 3	PN 4	PN 5	PN 6	PN 7	PN 8	PN 9	B+
1	6EU7	FIL	FIL	—	1.5	0	170	170	0	1.5	222
2	6EU7	FIL	FIL	—	1.5	0	96	137	0	1.2	222
3	6EU7	FIL	FIL	—	1.2	0	136	155	0	1.25	222
4	12AU7A	145	83	89	FIL	FIL	222	0	8	FIL	235
5	6V6GT	—	FIL	315	290	0	—	FIL	18	—	325
6	6V6GT	GND	FIL	315	290	0	—	FIL	18	—	325
7	5Y3GT	—	FIL	—	320 AC	—	320 AC	—	325	—	—

*ALL DC VOLTAGES MEASURED TO CHASSIS
WITH 11 MEG./VOLT V.T.V.M.

BR-1

Gibson

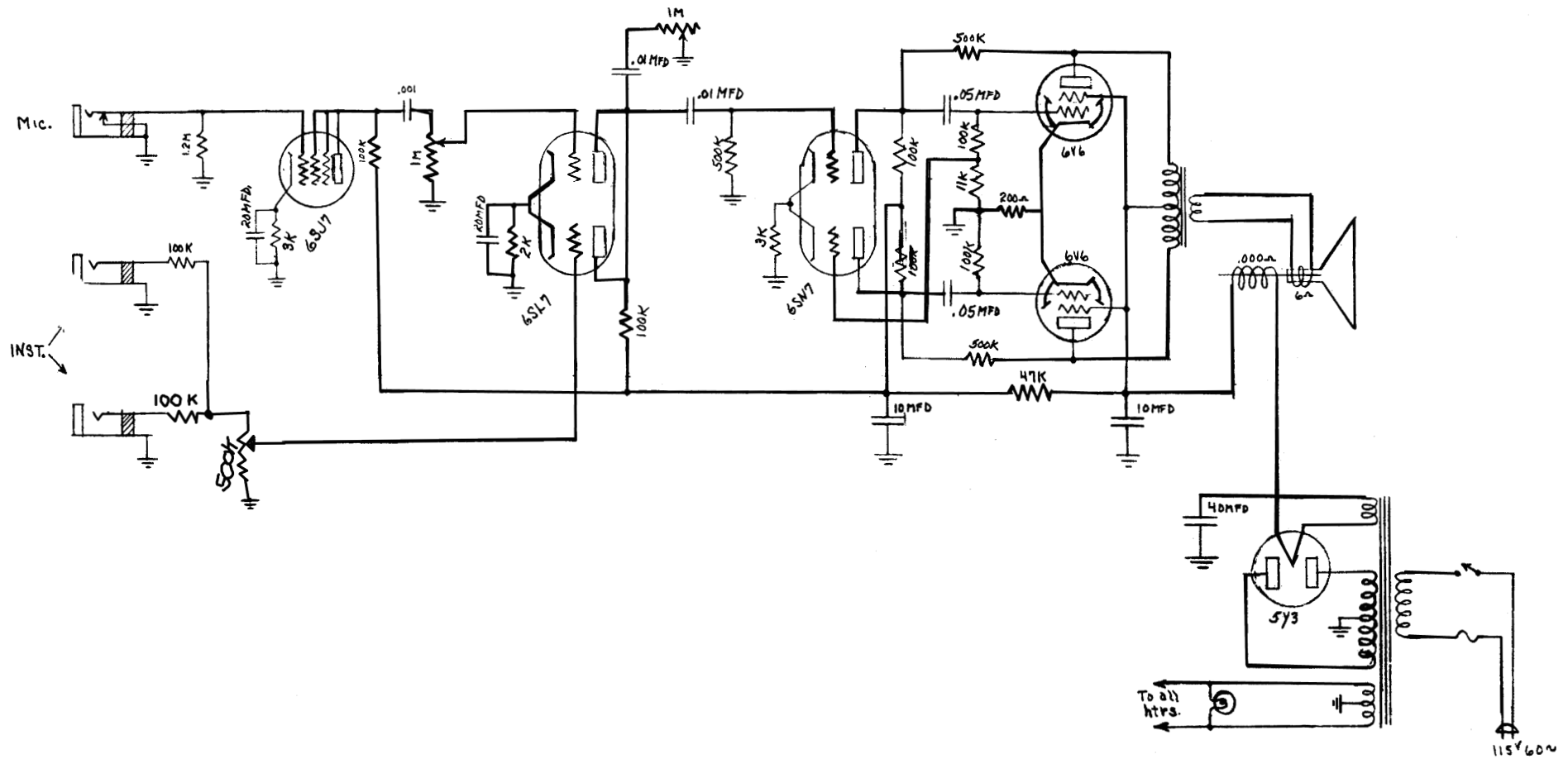




BR-4

Gibson

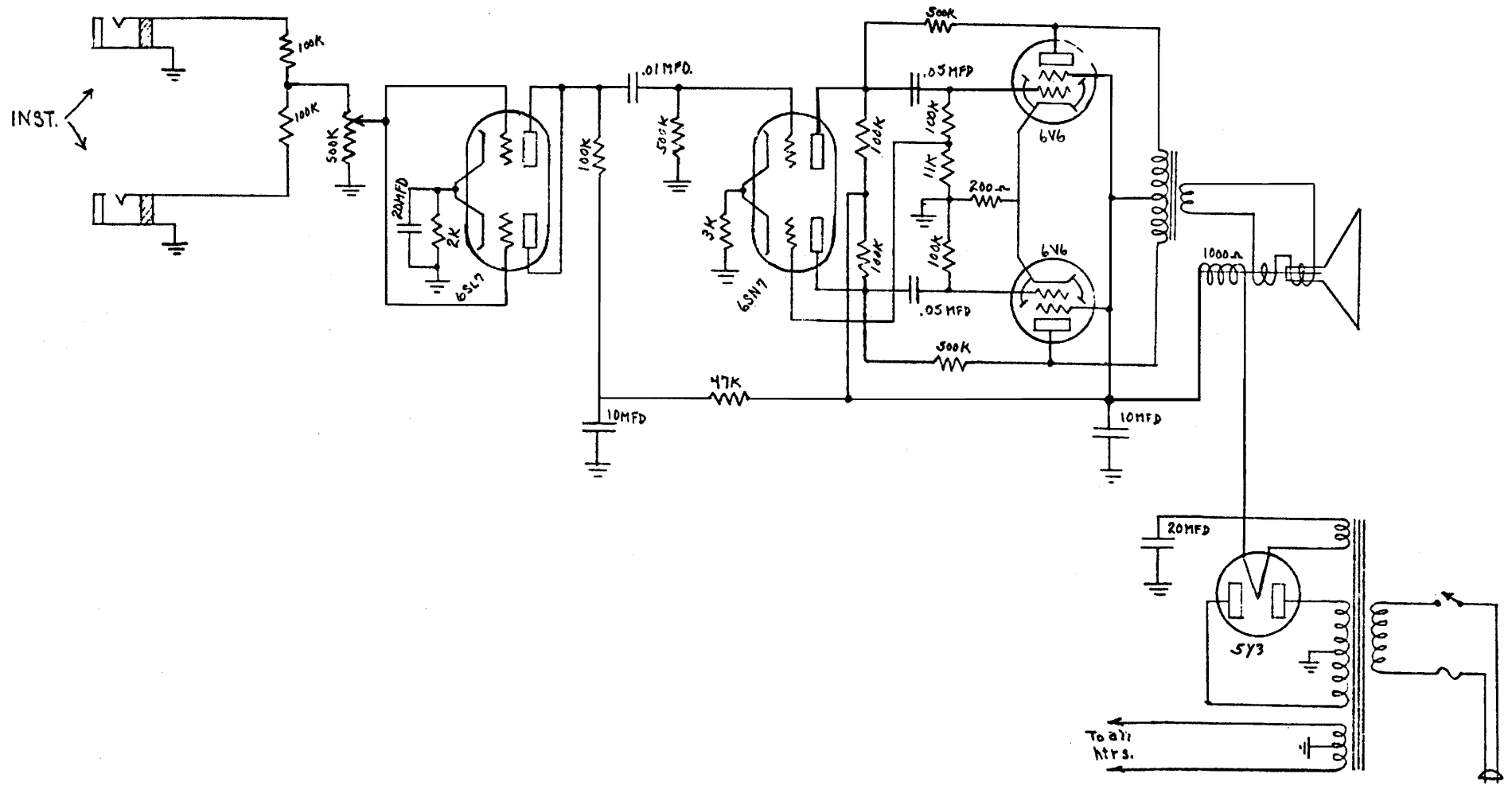
BR-4



Gibson

Gibson

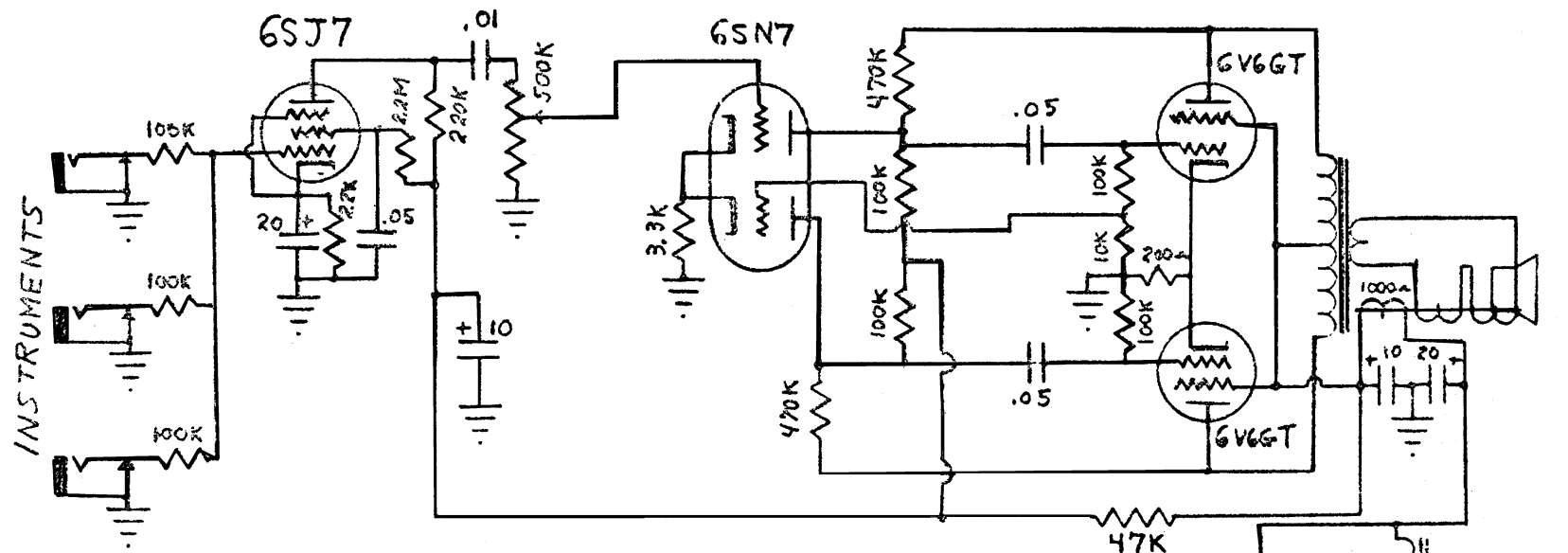
BR-6



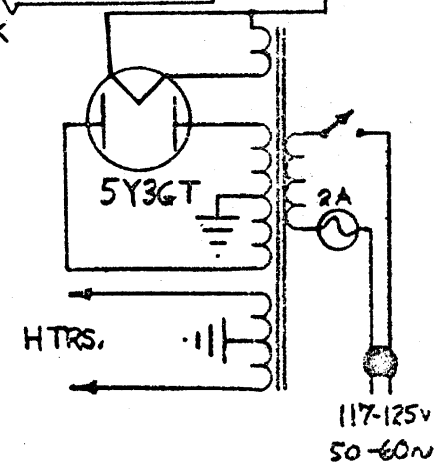
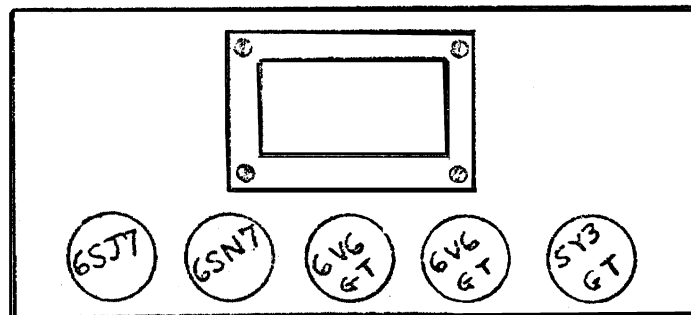
Gibson

Gibson

BR-6F

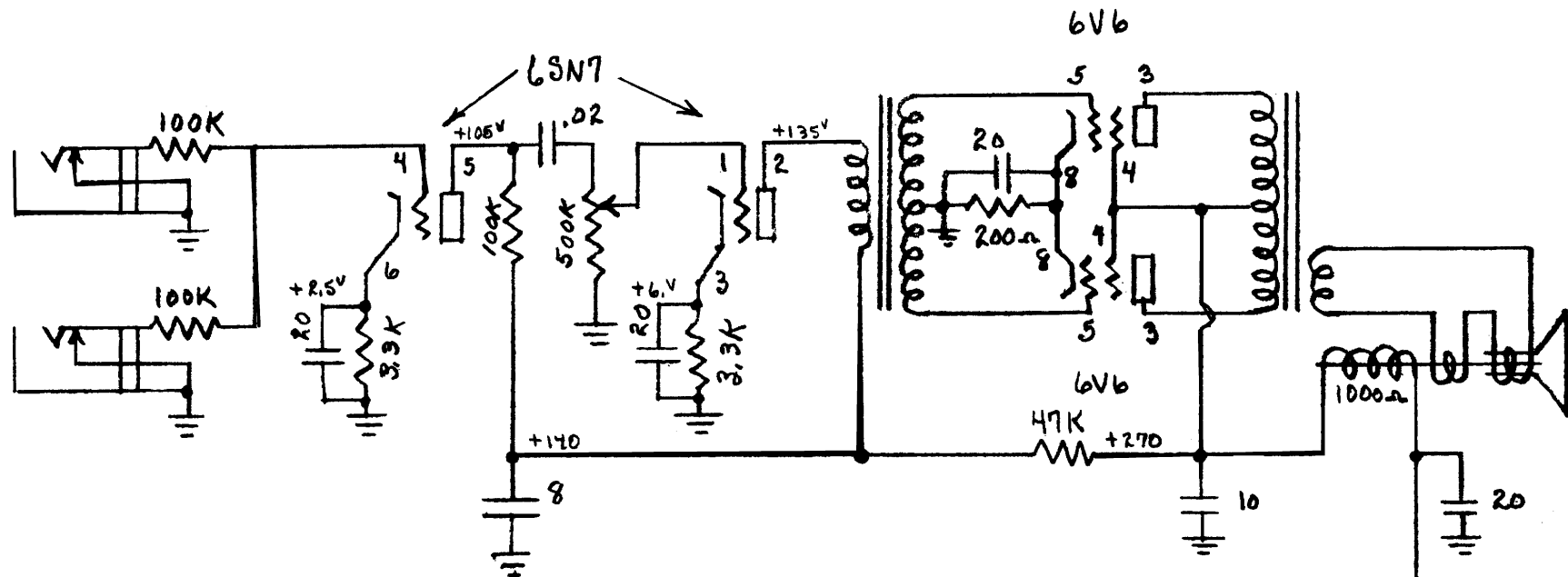


TUBE PLACEMENT CHART

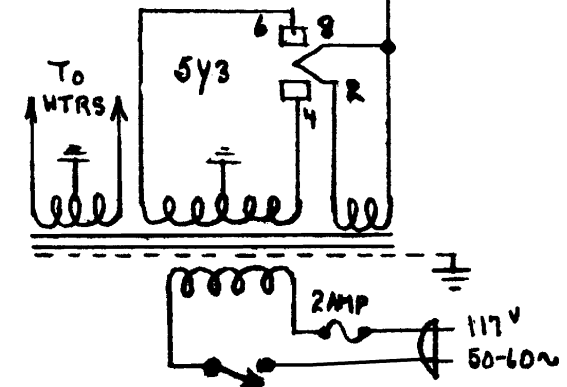
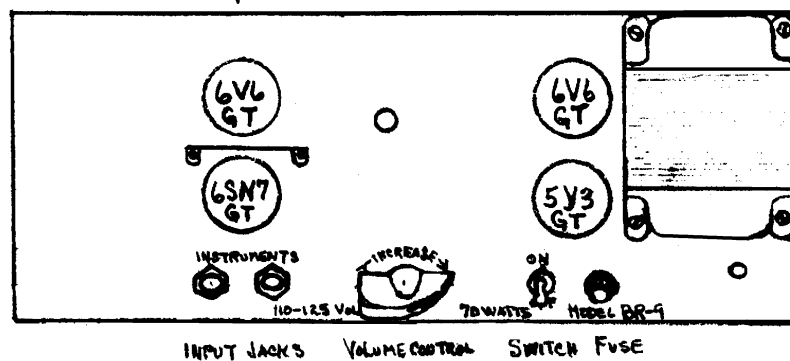


GIBSON INC.	KALAMAZOO MICH	DATE: 11 OCT 1960	DRAWN BY: MCP	CHECKED BY:
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BR-9



Top View of Chassis



Gibson



CLAVIOLINE KEYBOARD

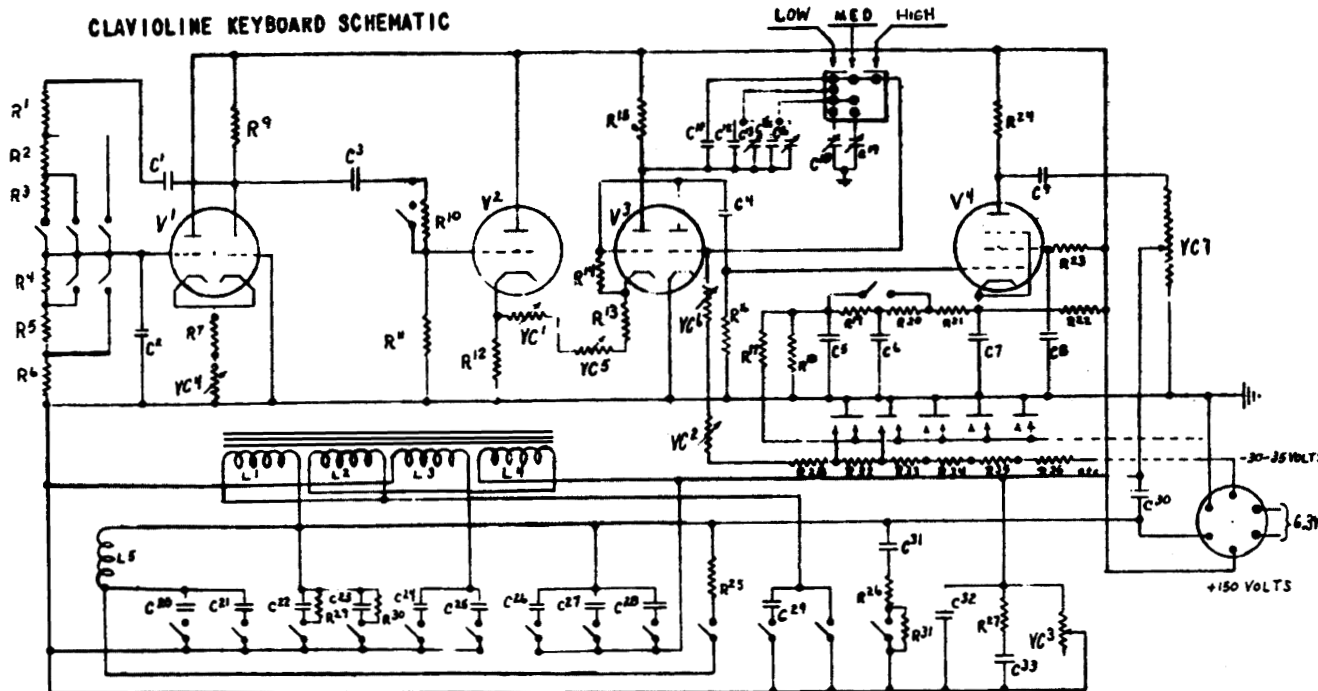
Gibson

KEYBOARD RESISTORS .5% TOLERANCE

R32	6,300	R39	9,430	R46	14,148	R53	21,200	R60	31,720
R33	6,670	R40	10,000	R47	14,980	R54	22,456	R61	33,316
R34	7,074	R41	10,600	R48	15,860	R55	23,776	R62	35,600
R35	7,490	R42	11,228	R49	16,808	R56	25,200	R63	37,720
R36	7,930	R43	11,888	R50	17,800	R57	26,680	R64	40,000
R37	8,404	R44	12,600	R51	18,860	R58	28,296	R65	42,400
R38	8,900	R45	13,340	R52	20,000	R59	29,960	R66	44,912

VALUES ARE IN OHMS.

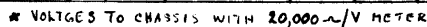
CLAVIOLINE KEYBOARD SCHEMATIC

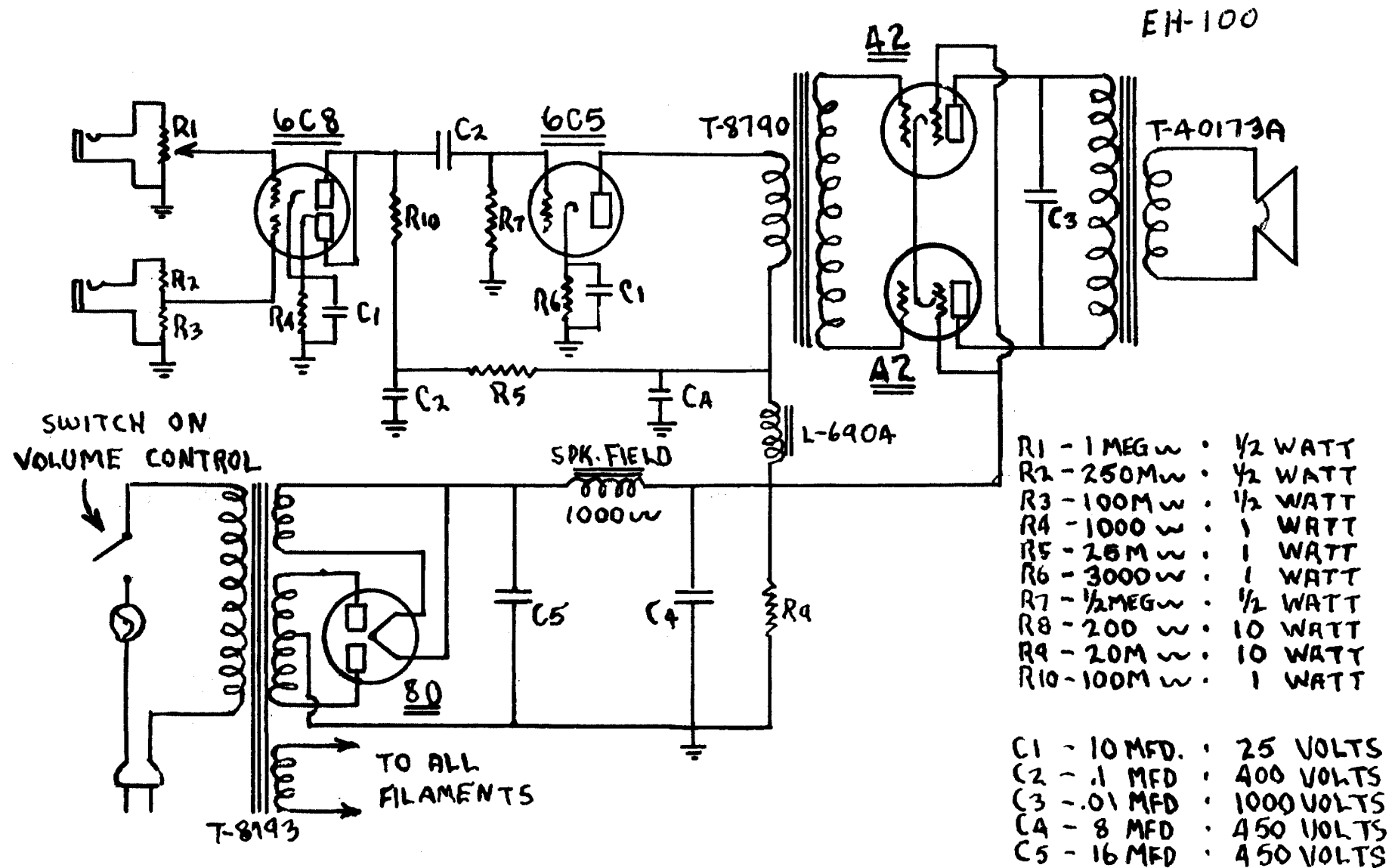


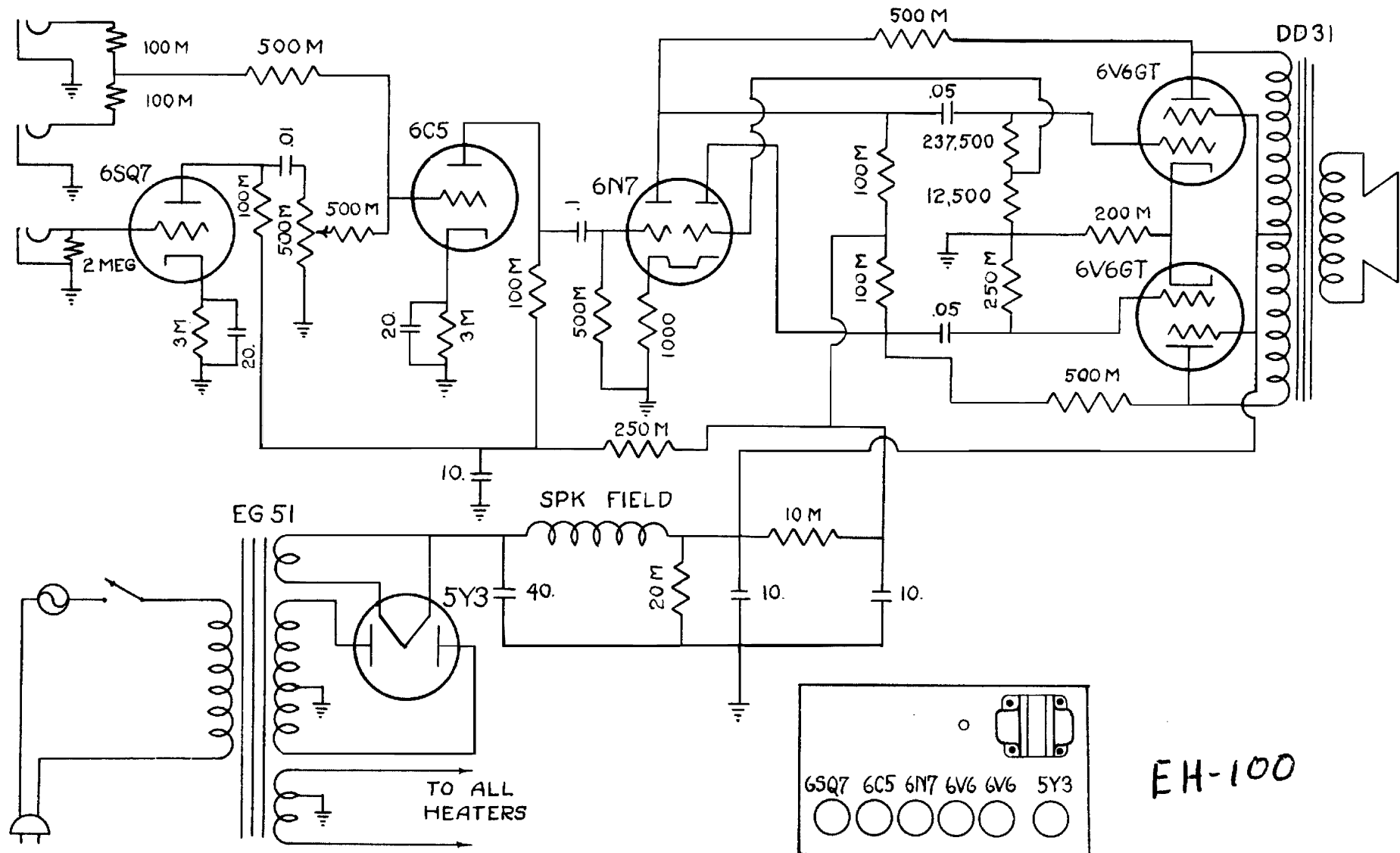
R1	750K
R2	120K
R3	200K
R4	200K
R5	200K
R6	120K
R7	750K
R8	5.1K
R9	
R10	22K
R11	1.5 Megohm
R12	510K
R13	3.9K
R14	25K
R15	8.5K
R16	20K
R17	2.2 Megohm
R18	1K
R19	510K
R20	51K
R21	2.4K
R22	5.1K
R23	510K
R24	1. Megohm
R25	56K
R26	10K
R27	5.1K
R28	20K
R29	60-62K
R30	240K
R31	120K
R32	3 Megohm
R33	
L1-4	Tone Choke
L5	" "
VC1	10K Pot. W.W.
VC2	10K
VC3	Special
VC4	5K Pot.
VC5	5K Pot. W.W.
VC6	10K
VC7	250K Pot.

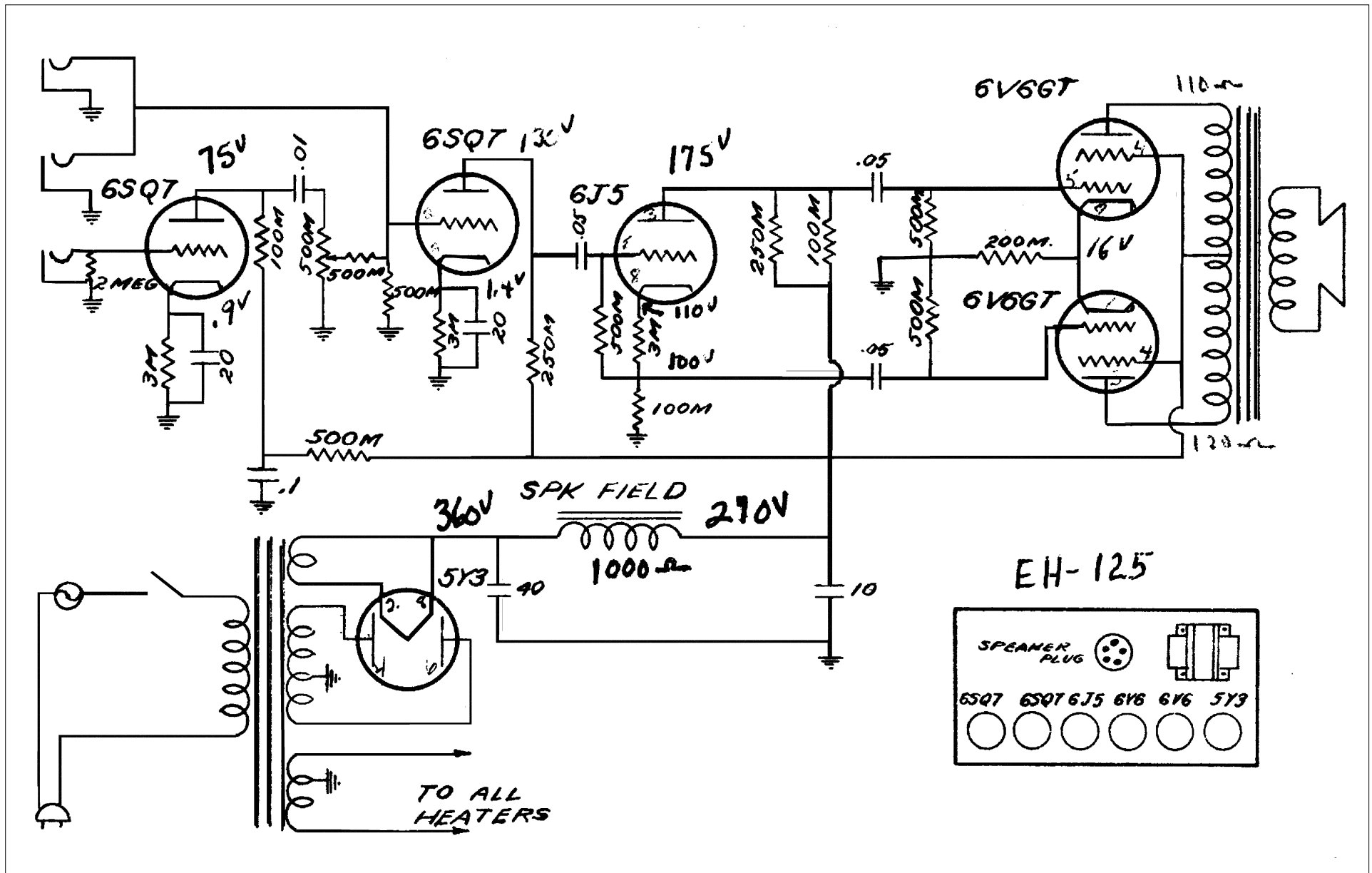
Clavioline Licensed under
Constant Martin Patent No. 2,563,477

Gibson



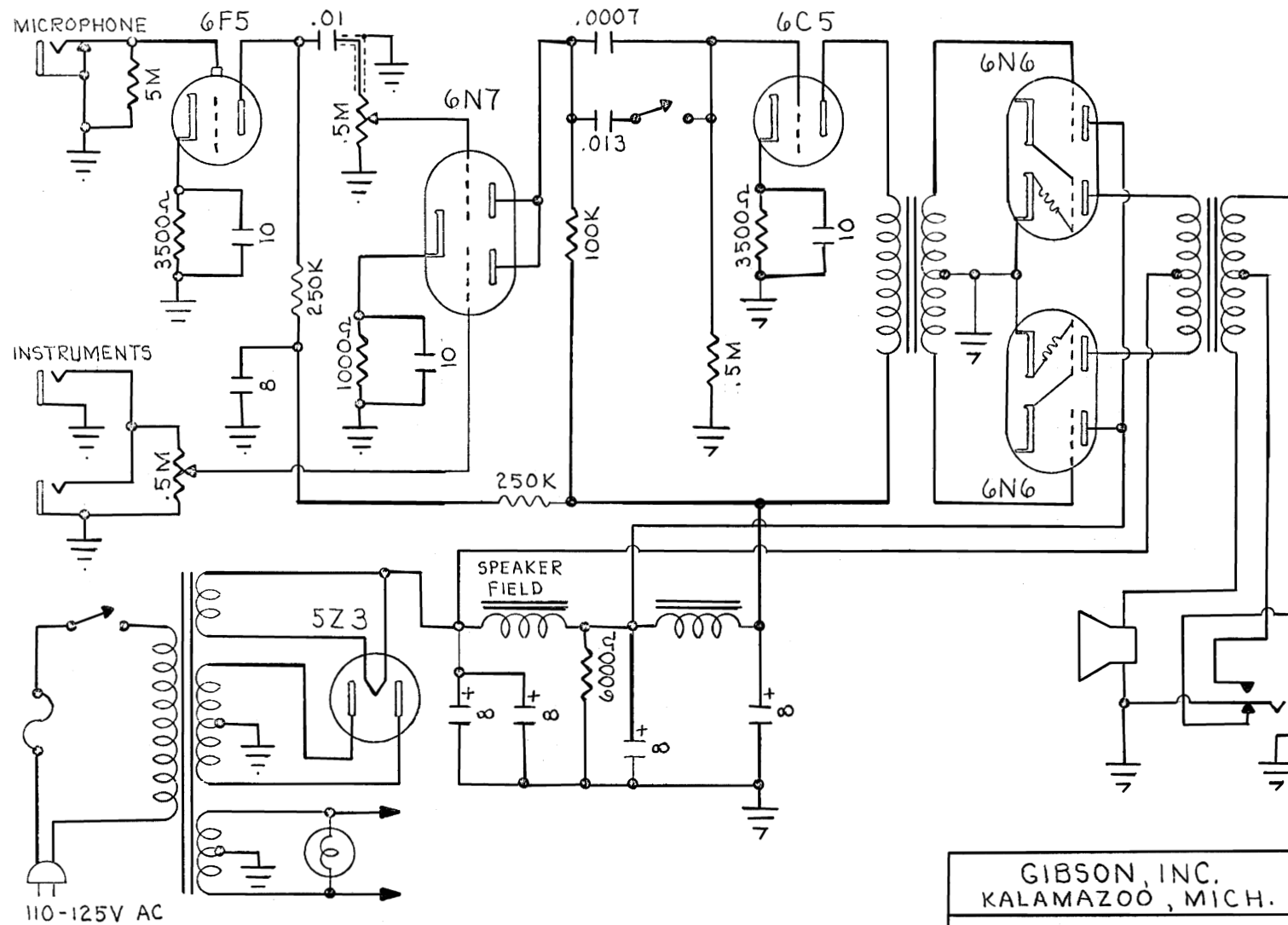






Gibson

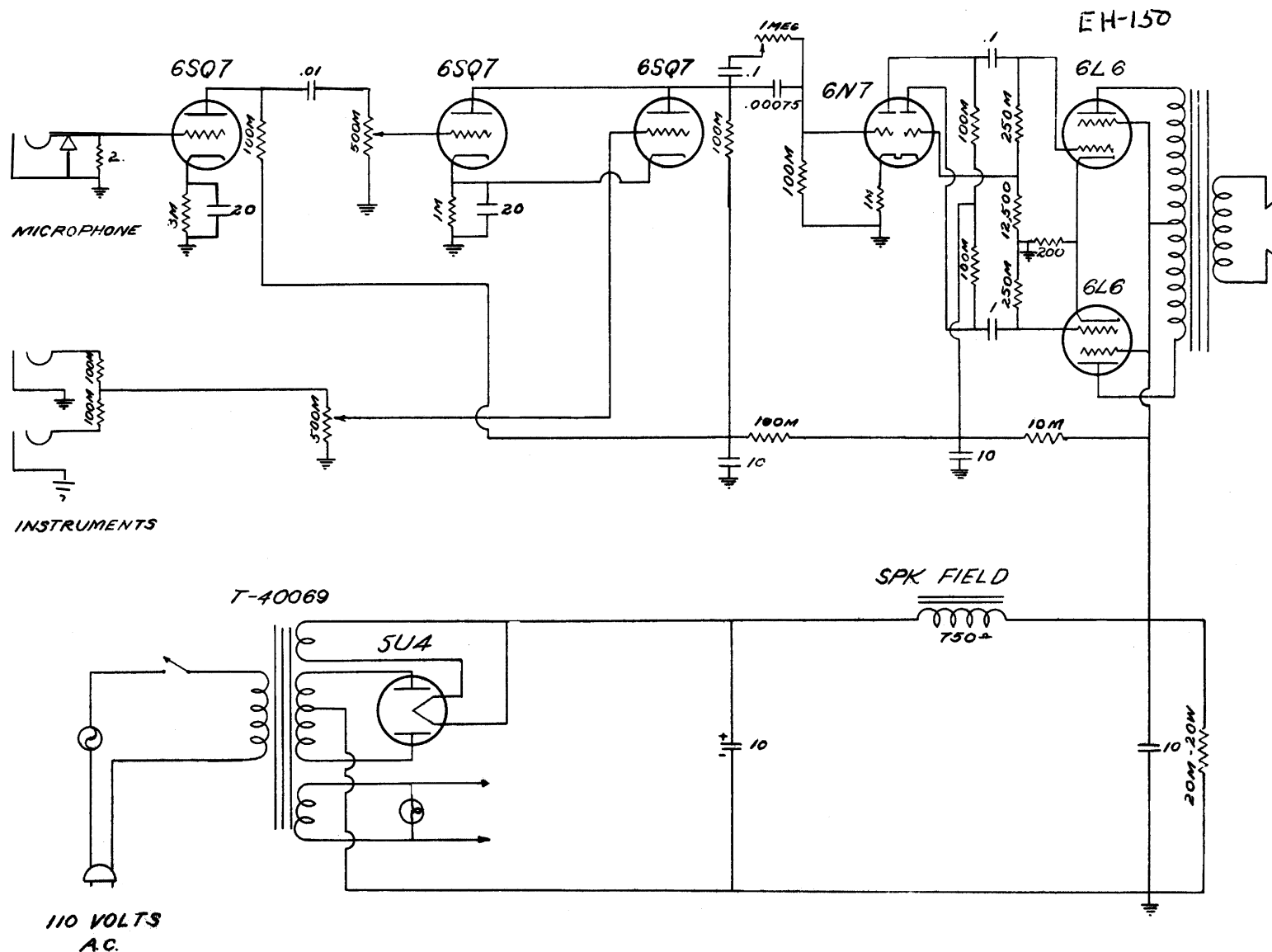
Gibson

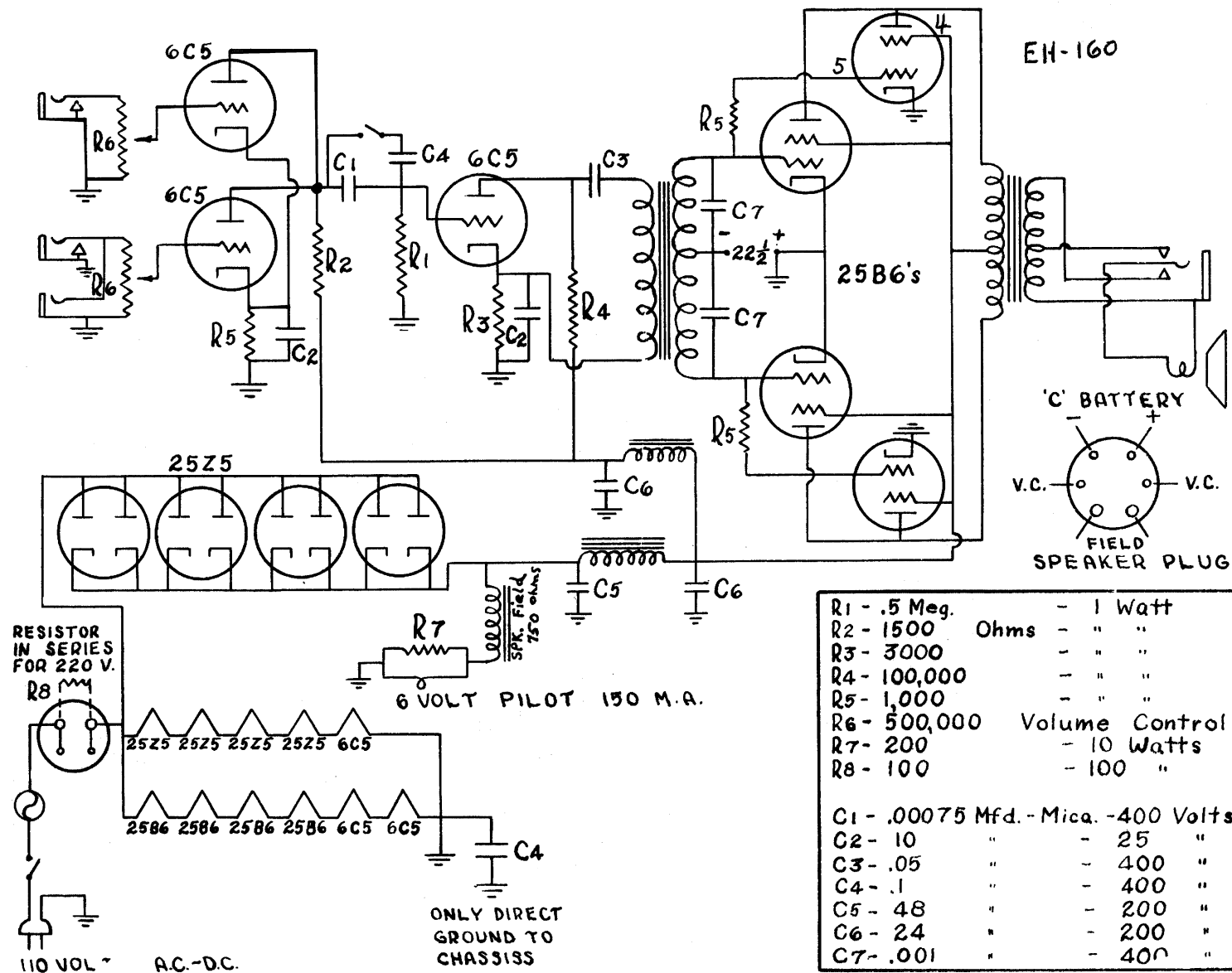


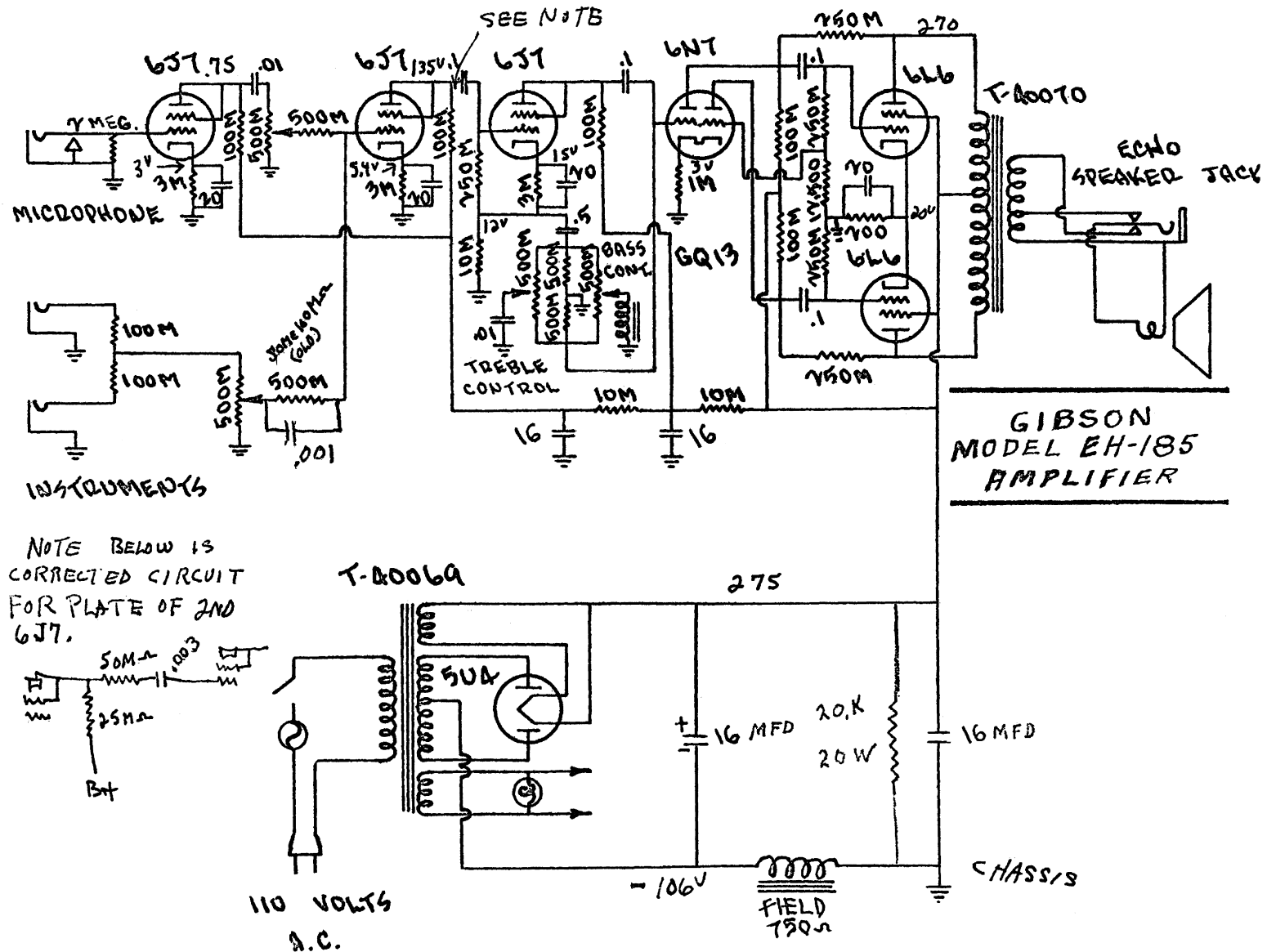
GIBSON, INC. KALAMAZOO, MICH.
EH-150

Gibson

Gibson

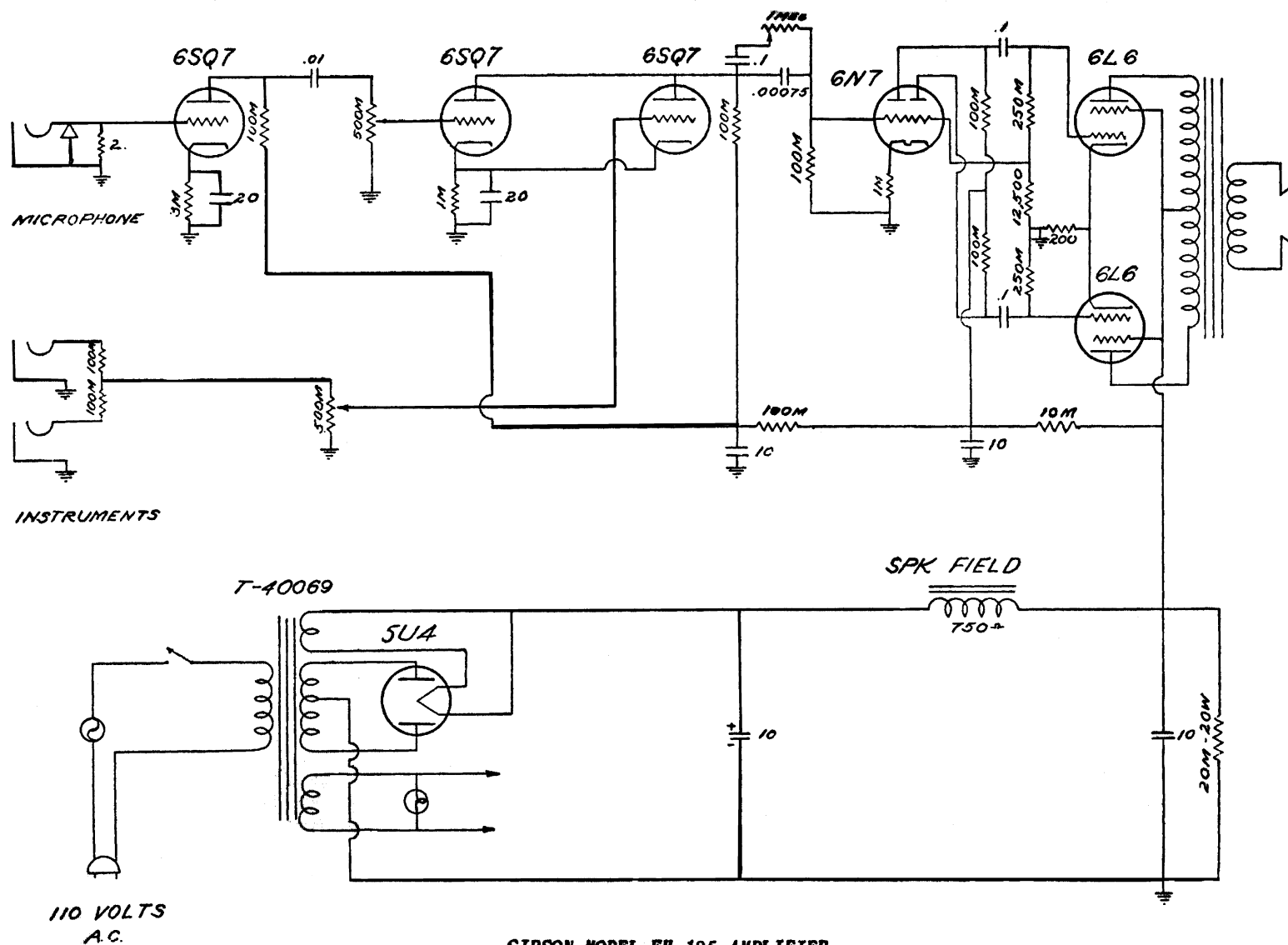




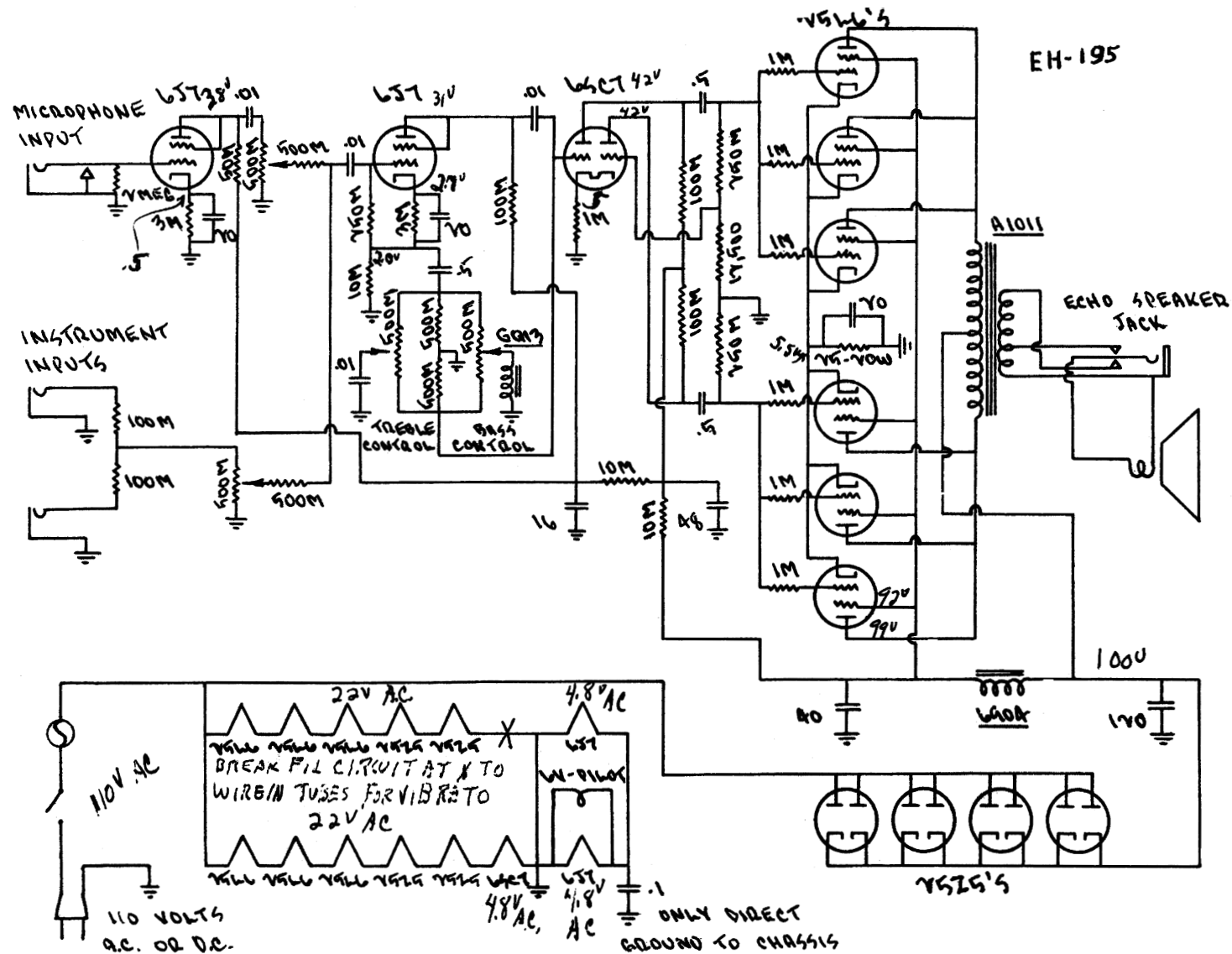


Gibson

Gibson



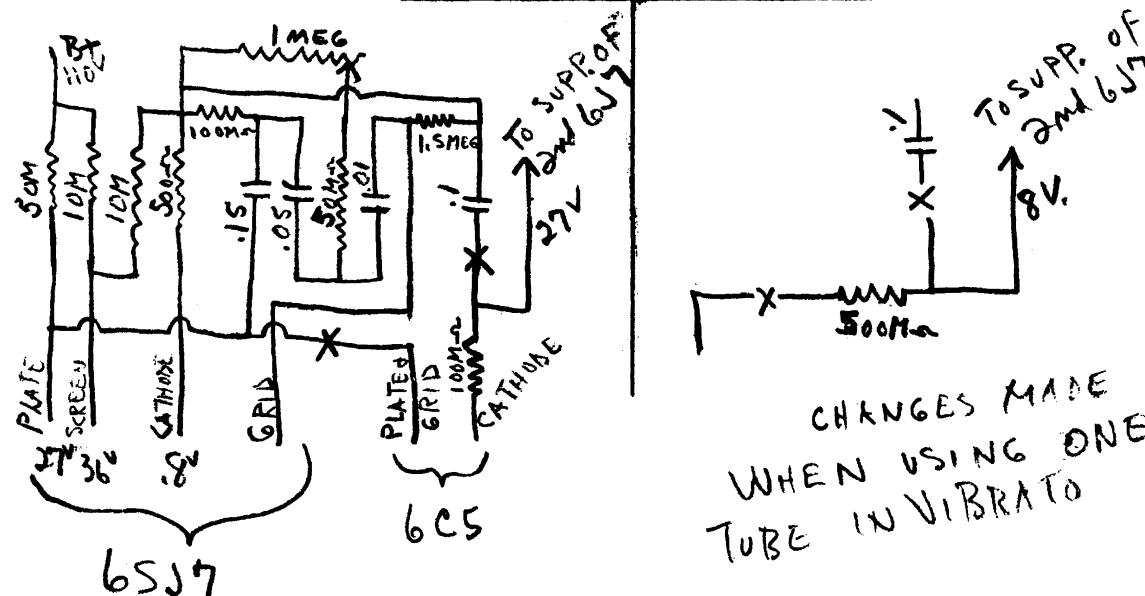
GIBSON MODEL EH-185 AMPLIFIER



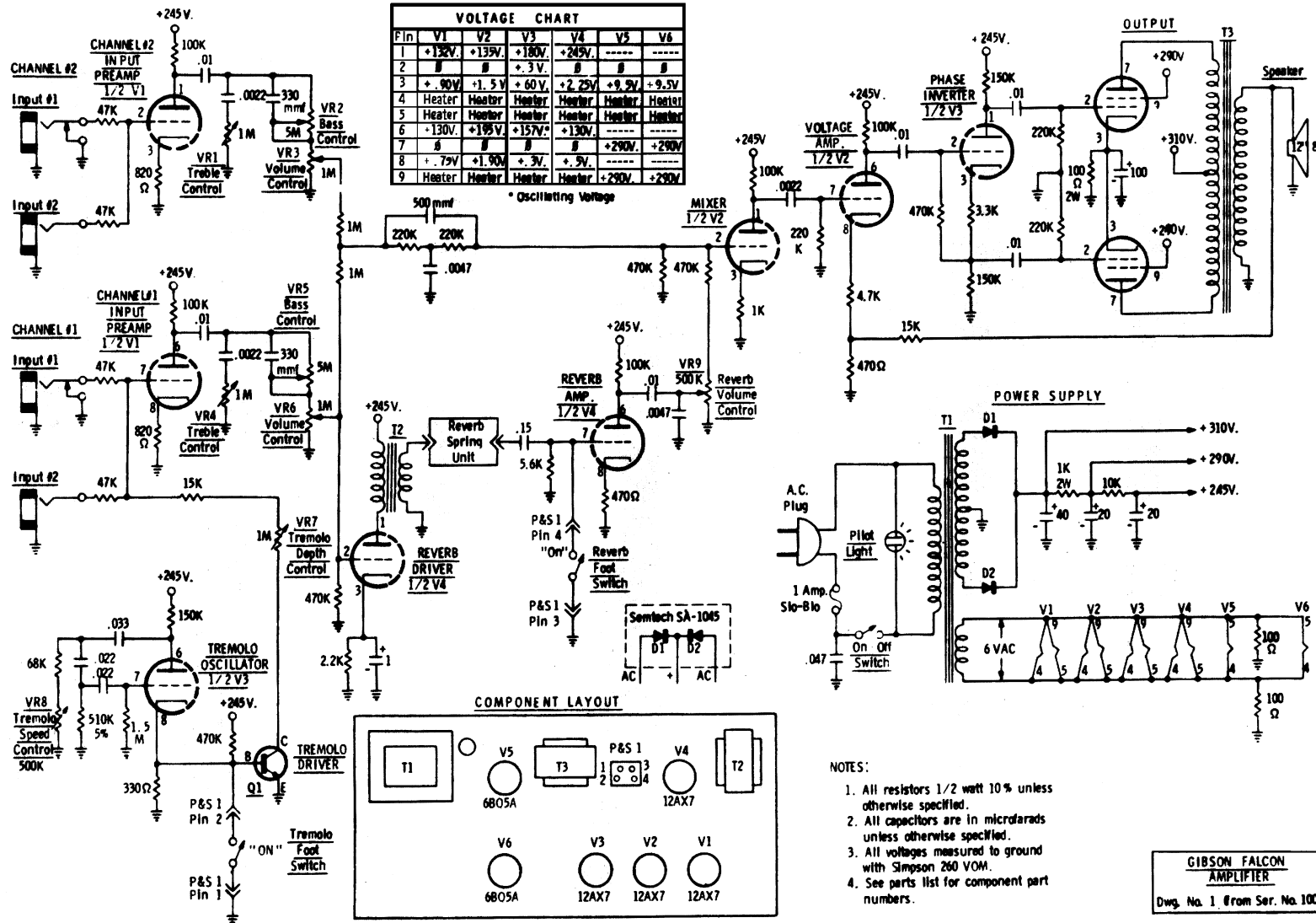
GIBSON

A.C. - D.C. AMPLIFIER EH 195

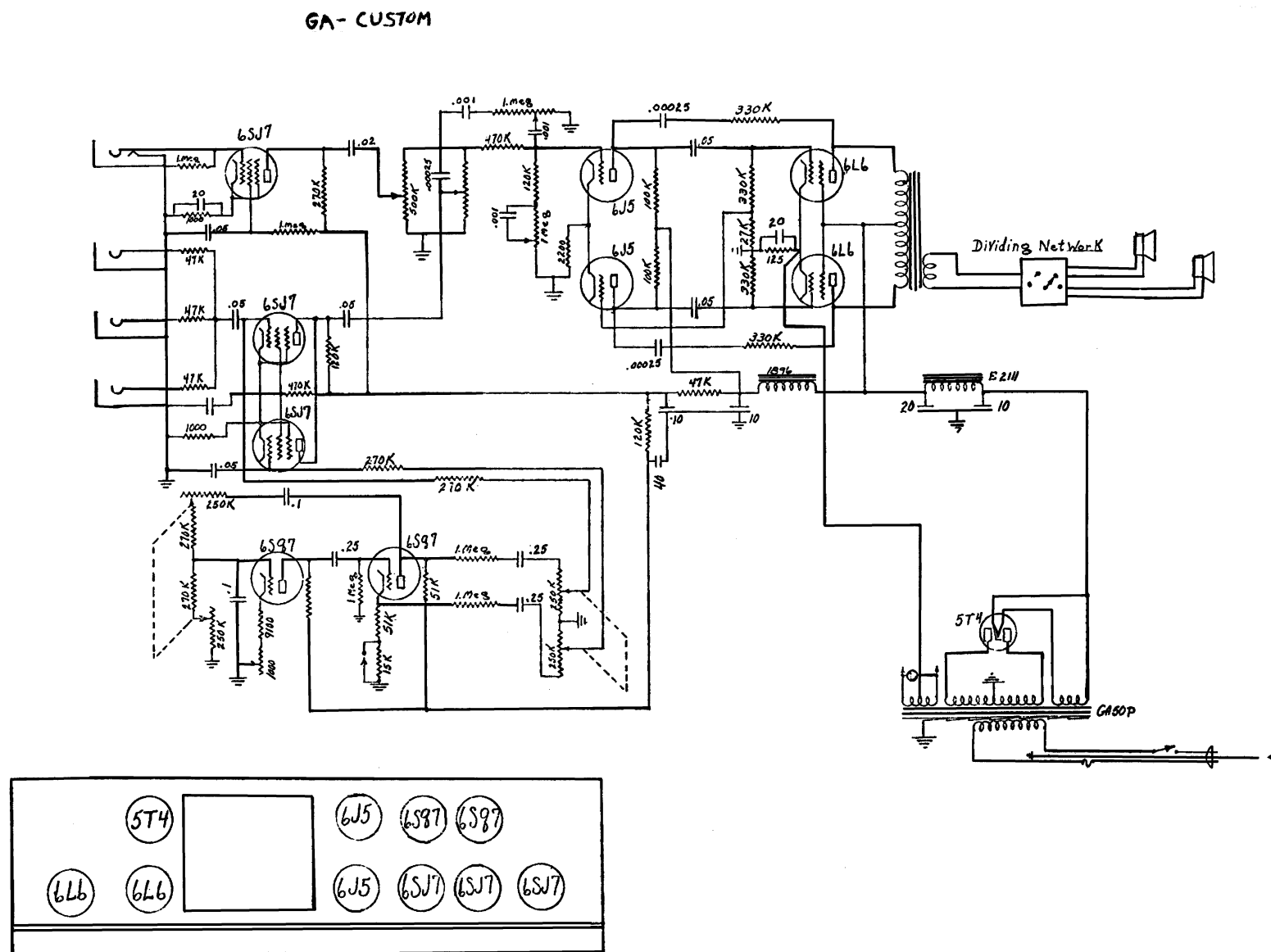
INSTRUCTIONS

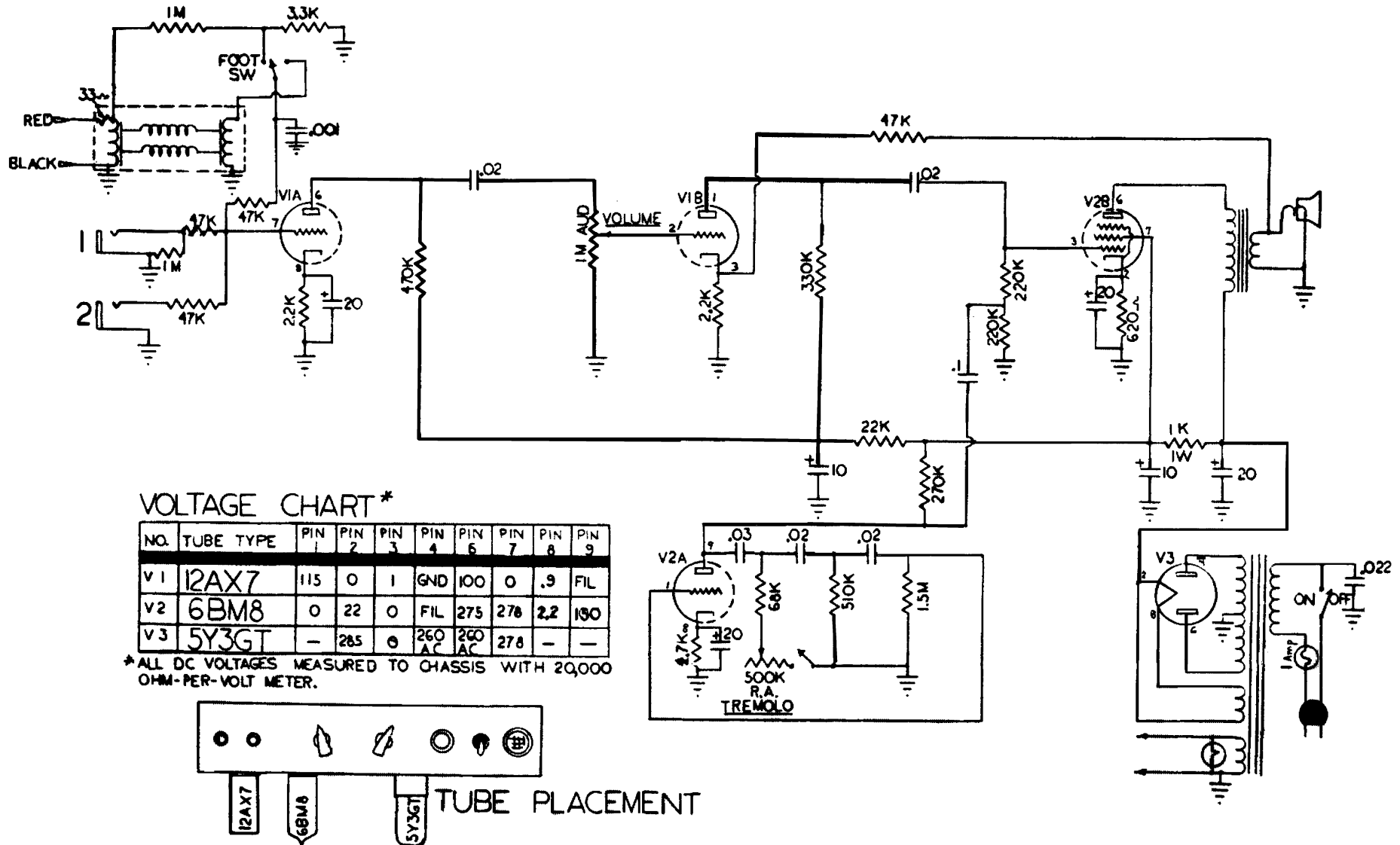


GIBSON INC., KALAMAZOO, MICH.



Gibson

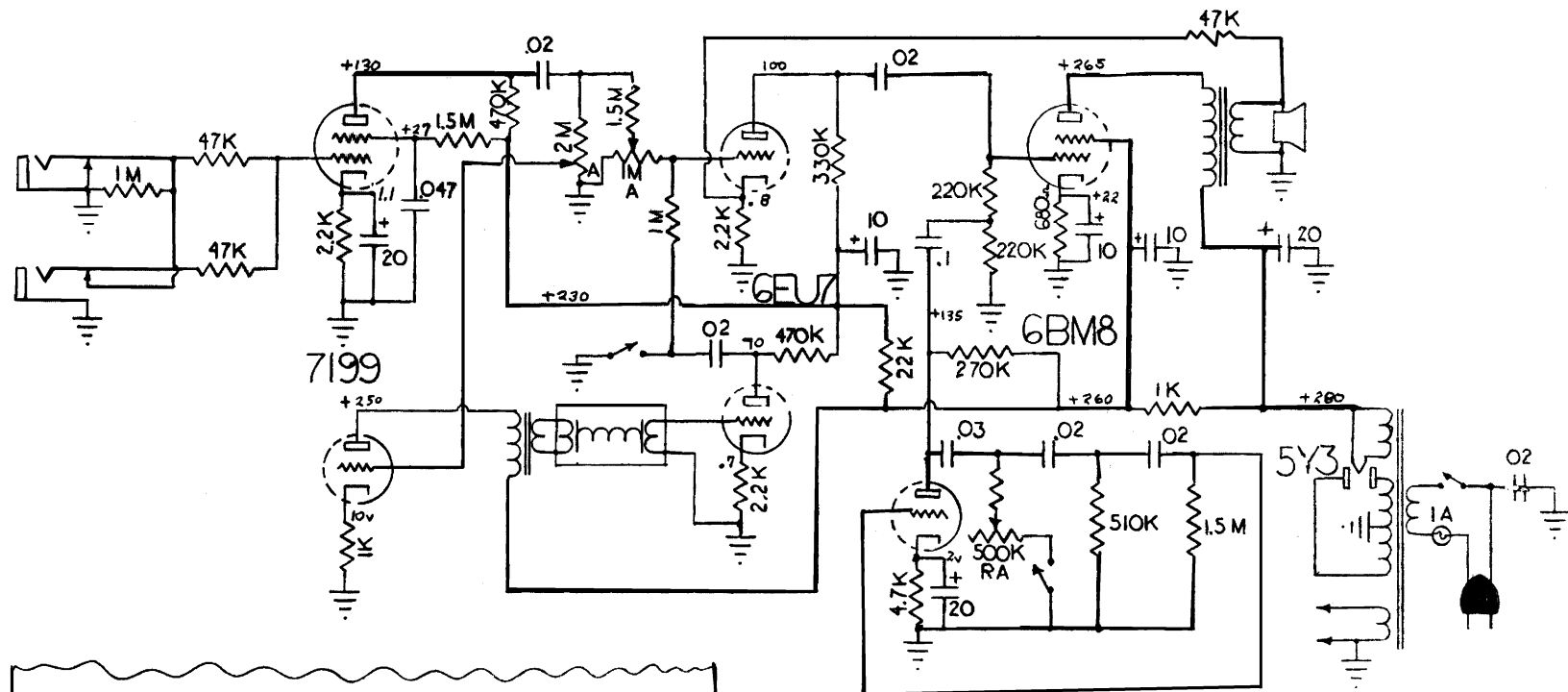


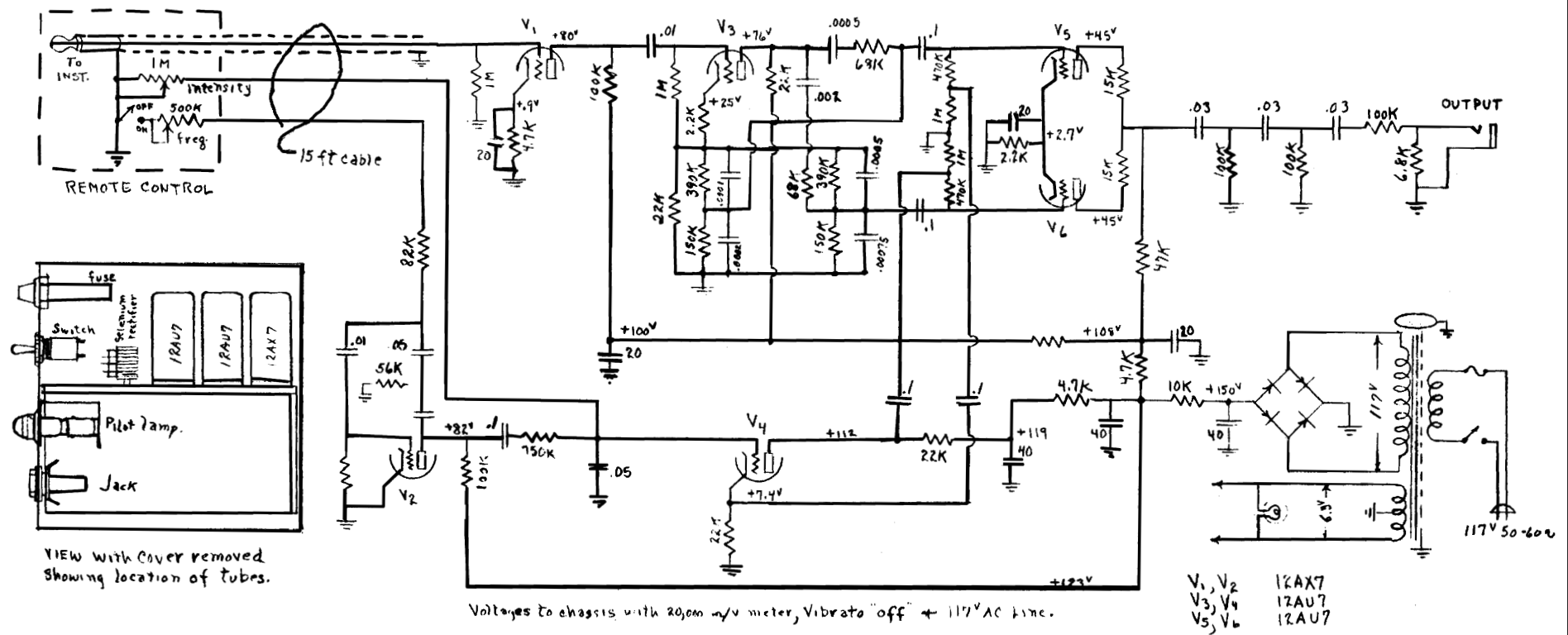


GA-1RVT

Gibson

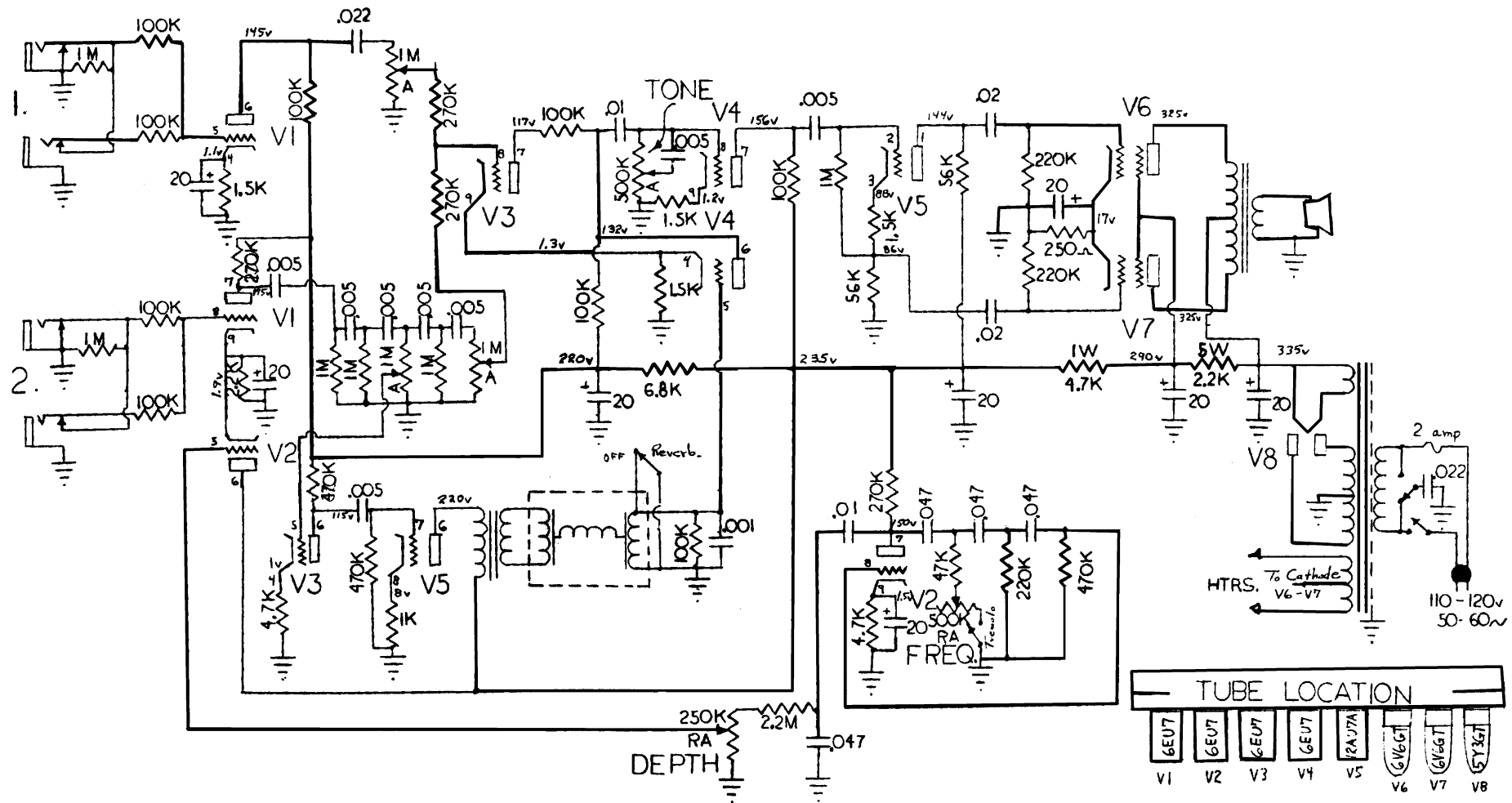
GA-1 RVT





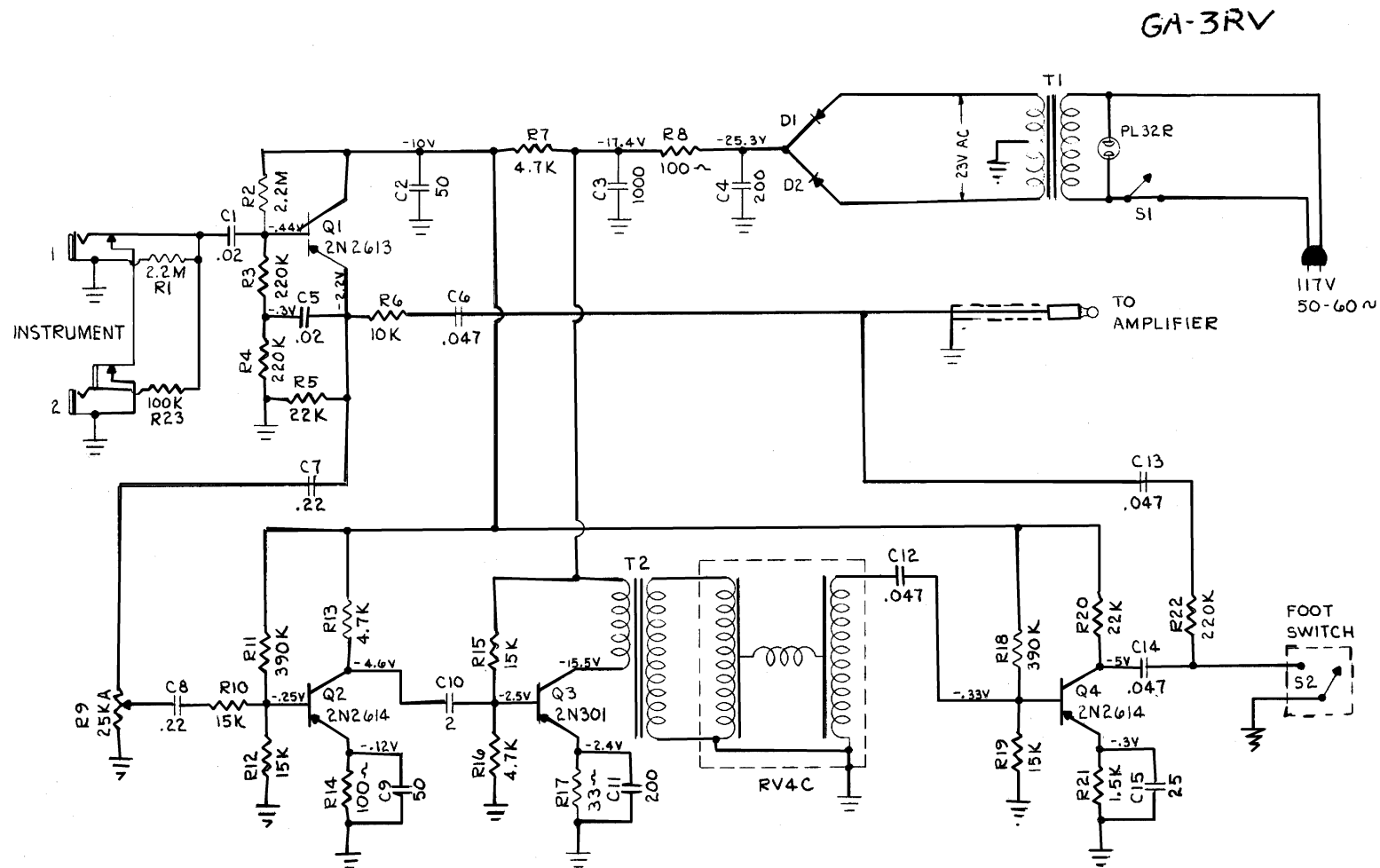
GA-2RVT

Gibson

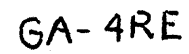


GA-3RV REVERB UNIT

Gibson

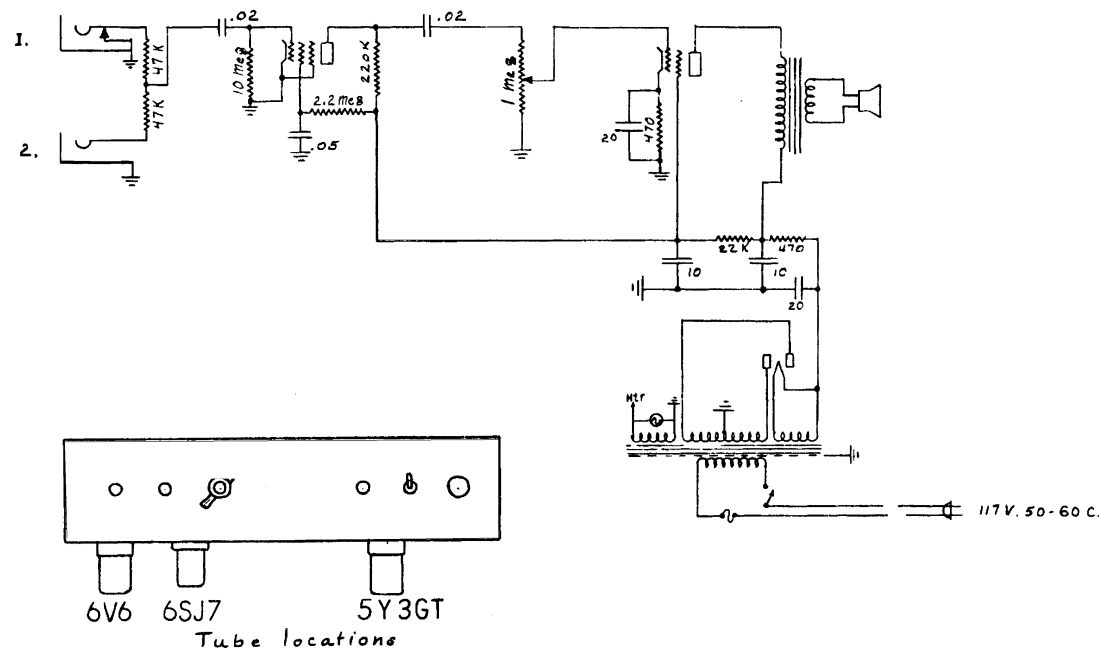


T1	Power Transformer	TF-101P
T2	Reverb. Transformer	TF-1000R
D1,D2	Diodes, 200 PIV, 150 Ma	DI-69A
R9	25K, Audio taper $\pm 30\%$	GBA-811-3712
S1	Switch, SPST Rotary	SW-898-1



Gibson

Gibson



Les Paul

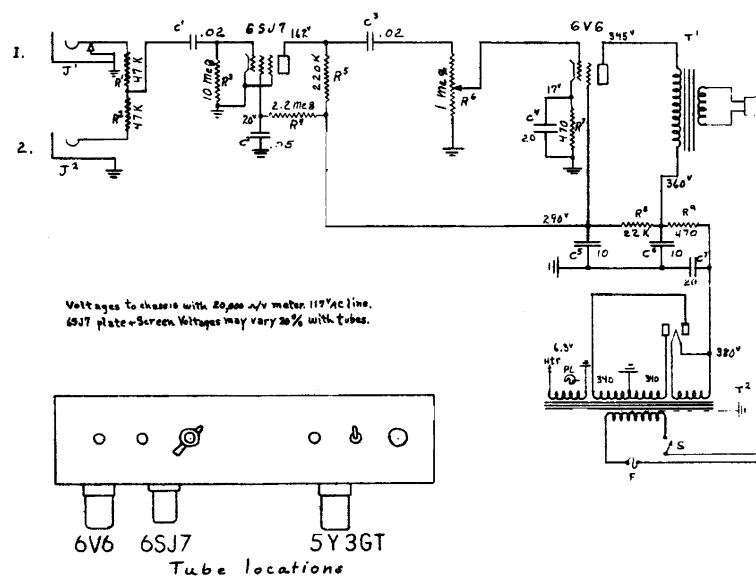
When only one instrument is used plug into #1 input jack.

This amplifier designed for 105-125 volt, 50-60 cycle current. Damage will result if connected to improper power source.

Use the above schematic to facilitate service by a reliable radio man.

Do not use higher rating fuse than one ampere, type 3 A.G.

This amplifier was carefully checked and in good playing condition when shipped. If damaged when received call transportation company immediately and place claim.



PARTS-LIST

R ¹ , R ²	47000 Ω	1/2 watt
R ³	10-megohm	1/2 watt
R ⁴	2.2 megohm	1/2 watt
R ⁵	22,000 Ω	1/2 watt
R ⁶	1 megohm	pot. (Volume)
R ⁷ , R ⁸	470 Ω	2 watt
R ⁹	22,000 Ω	2 watt
C ¹ , C ²	.02 mfd	400 volt
C ³	.05 mfd	400 volt
C ⁴	20 mfd	25 WV
C ⁵ , C ⁶	10 mfd	450 WV
C ⁷	20 mfd	450 WV

(C⁴, C⁵, C⁶, C⁷ in single can)

T ¹	Output Trans. (580V)
T ²	Power Trans. (GA-5 B)
S	SPST Toggle Sw (on-off)
F	1 amp (5AG) Fuse
PL	No. 47 Pilot L.T.
J ¹	Phone Jack (normally shorted)
J ²	Phone Jack

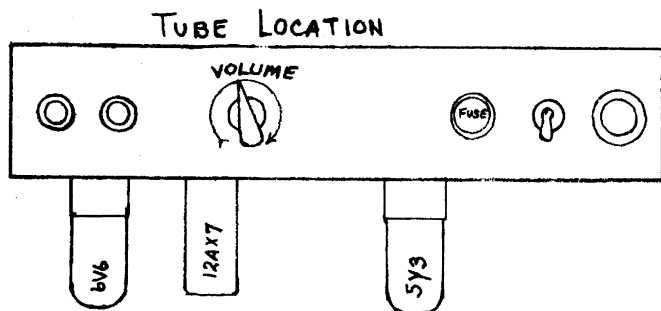
When only one instrument is used plug into #1 input jack.

This amplifier designed for 105-125 volt, 50-60 cycle current.
Damage will result if connected to improper power source.

Use the above schematic to facilitate service by a reliable radio man.

Do not use higher rating fuse than one ampere, type 3 A.G.

This amplifier was carefully checked and in good playing condition when shipped. If damaged when received call transportation company immediately and place claim.



DC VOLTAGES TO CHASSIS USING VTVM (11 MEG INPUT)				
TUBE	USE	PLATE	SCREEN	CATHODE
V1 6X4X7	VOLTAGE AMPLIFIER	165	—	1.5
V2 "	" "	165	—	1.5
V3 6V3	POWER "	375	350	20
V4 5Y3	RECTIFIER	300 ^v AC	—	380

$R_1 R_2 R_7$ 47K $\frac{1}{2}w$, $R_3 R_6$ 2.2K $\frac{1}{2}w$, $R_4 R_8 R_9$ 220K $\frac{1}{2}w$, R_{10} 22K $1w$, R_{11} 470- $1w$, R_{12} 10K $1w$, R_5 1MEG LINEAR TAPER

C₁C₄ 20MFD 25 VOLT, C₂C₃ .02MFD 400VOLT, C₅C₆ 10MFD 450 VOLT, C₇ 20MFD 450 VOLT

T_1 POWER TRANSFORMER # GA5P T_2 OUTPUT TRANSFORMER # GA5-0 SP1 SPEAKER, 8" dia, 8- Ω VC, Type 8J11.

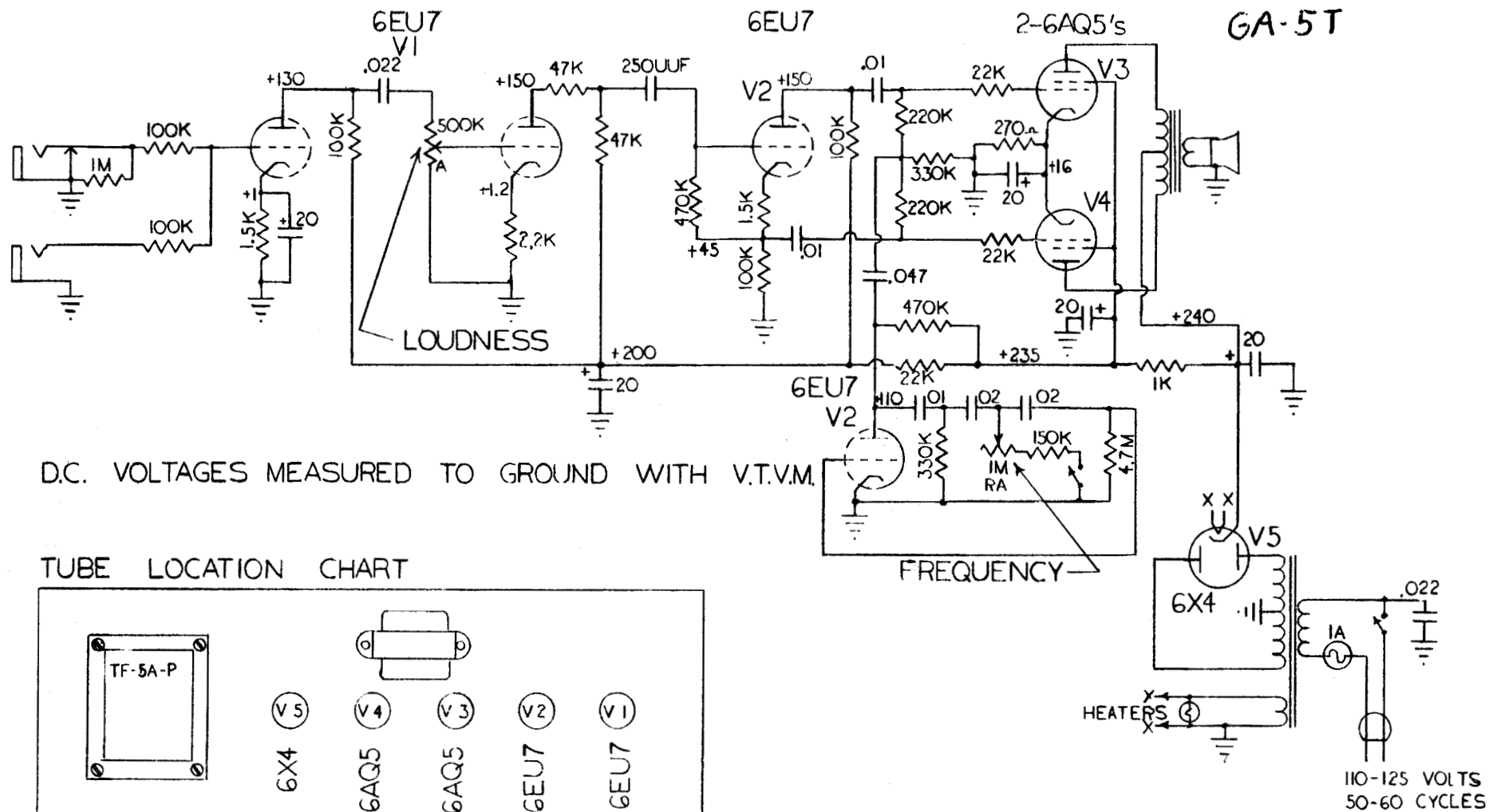
Do not use higher rating fuse than one ampere, type 3 A.G.

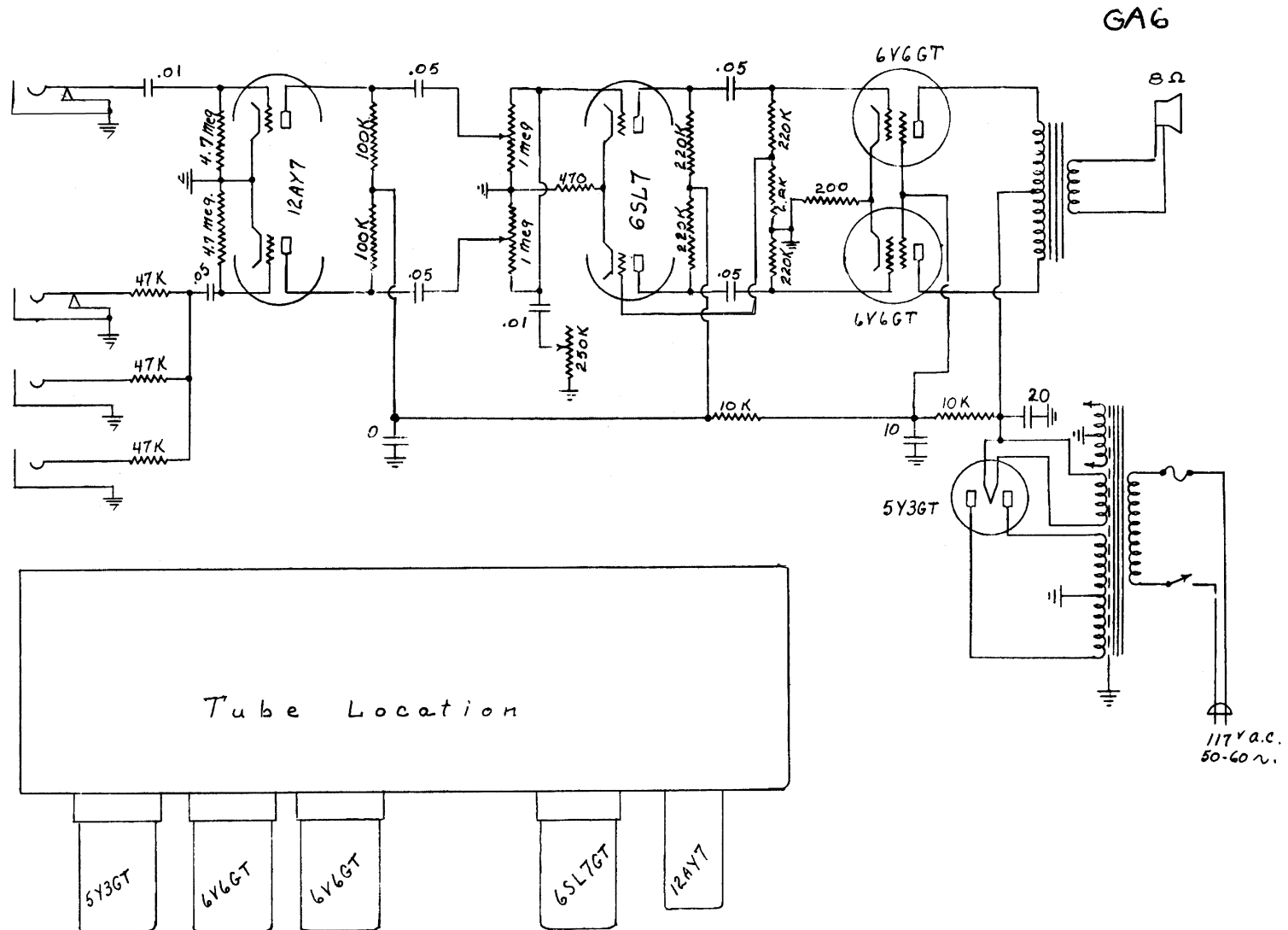
This amplifier was carefully checked and in good playing condition when shipped. If damaged when received call transportation company immediately and place claim.

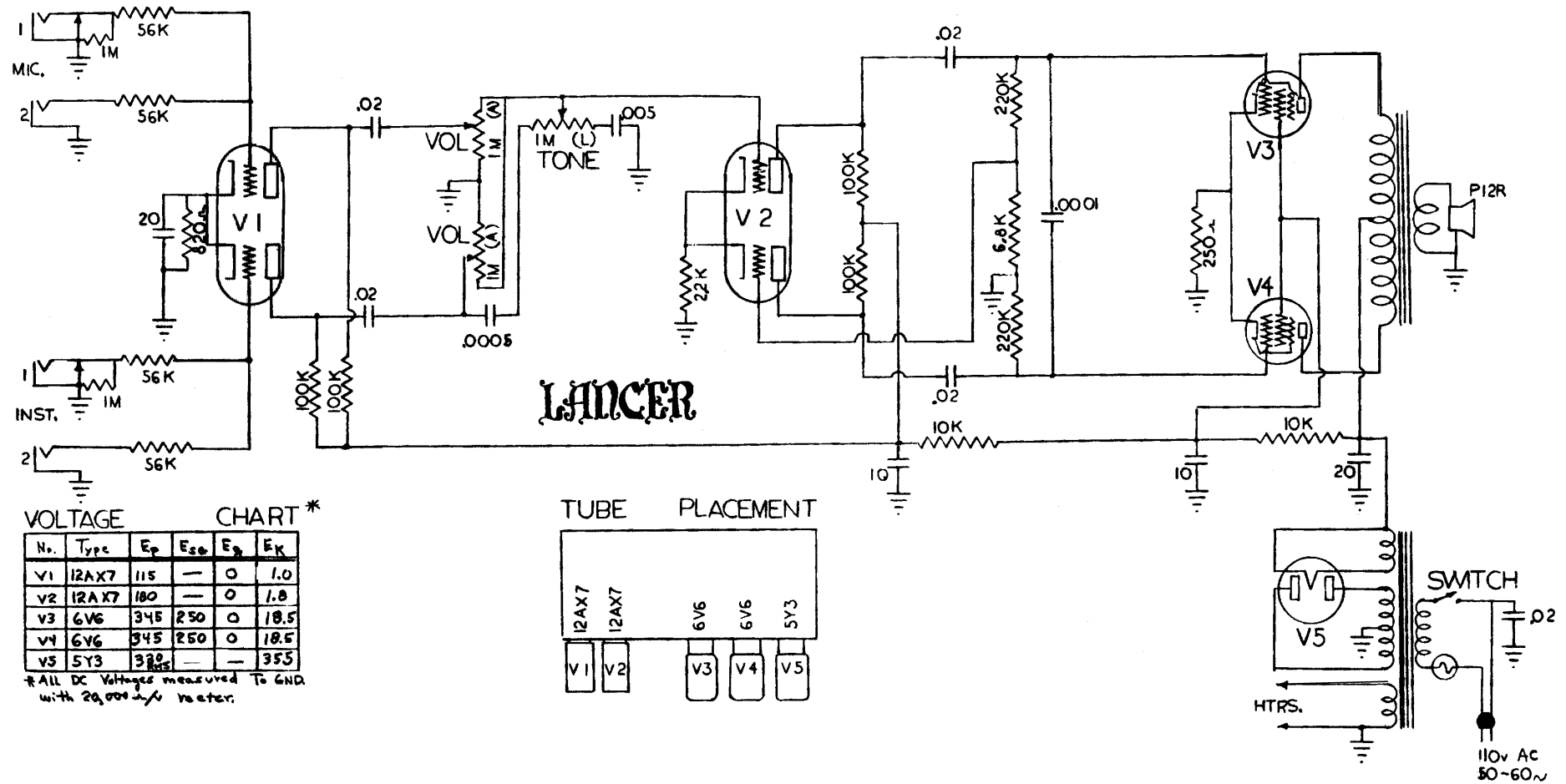
Use the above schematic to facilitate service by a reliable radio man.

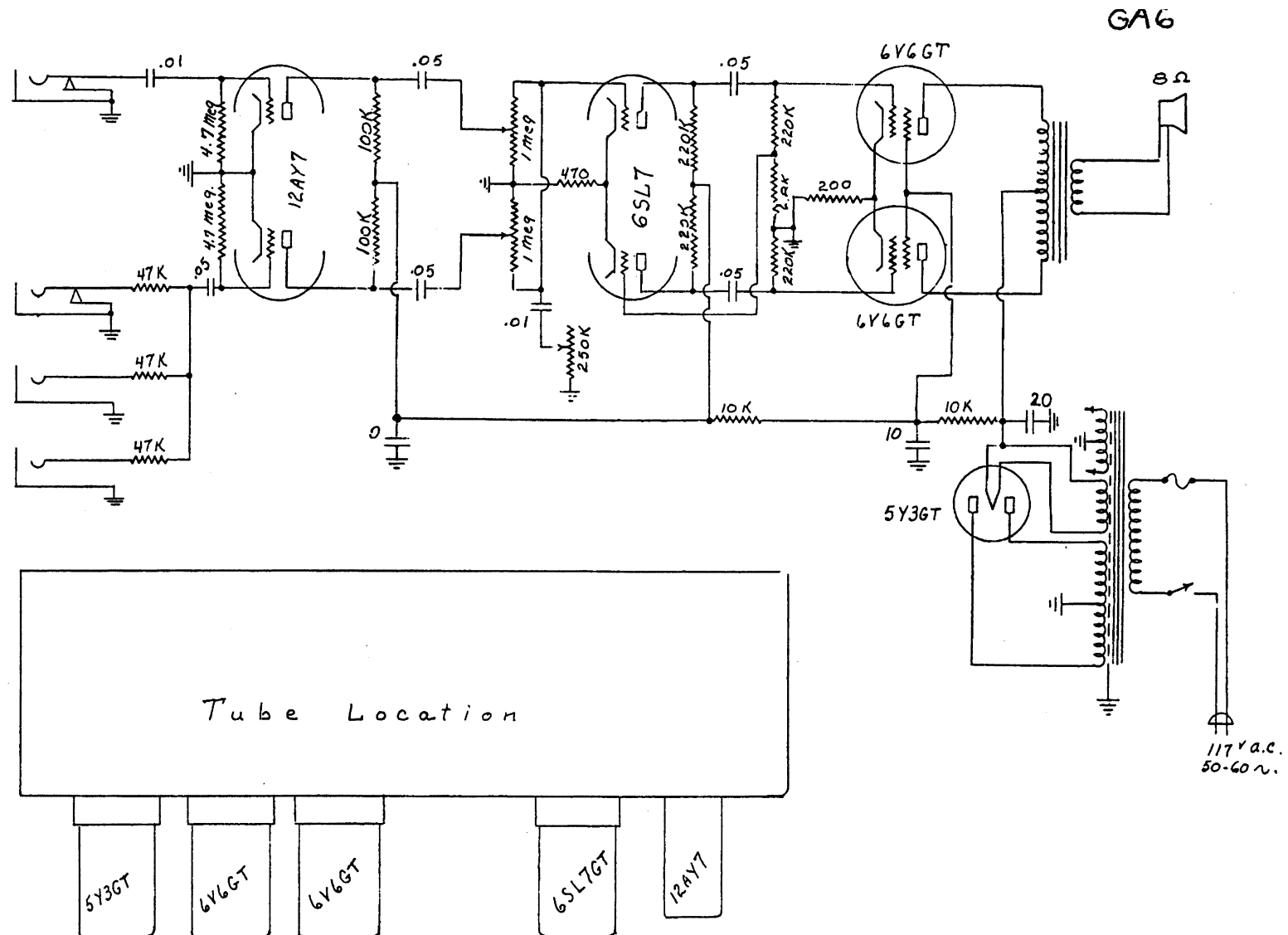
GA-5T

Gibson



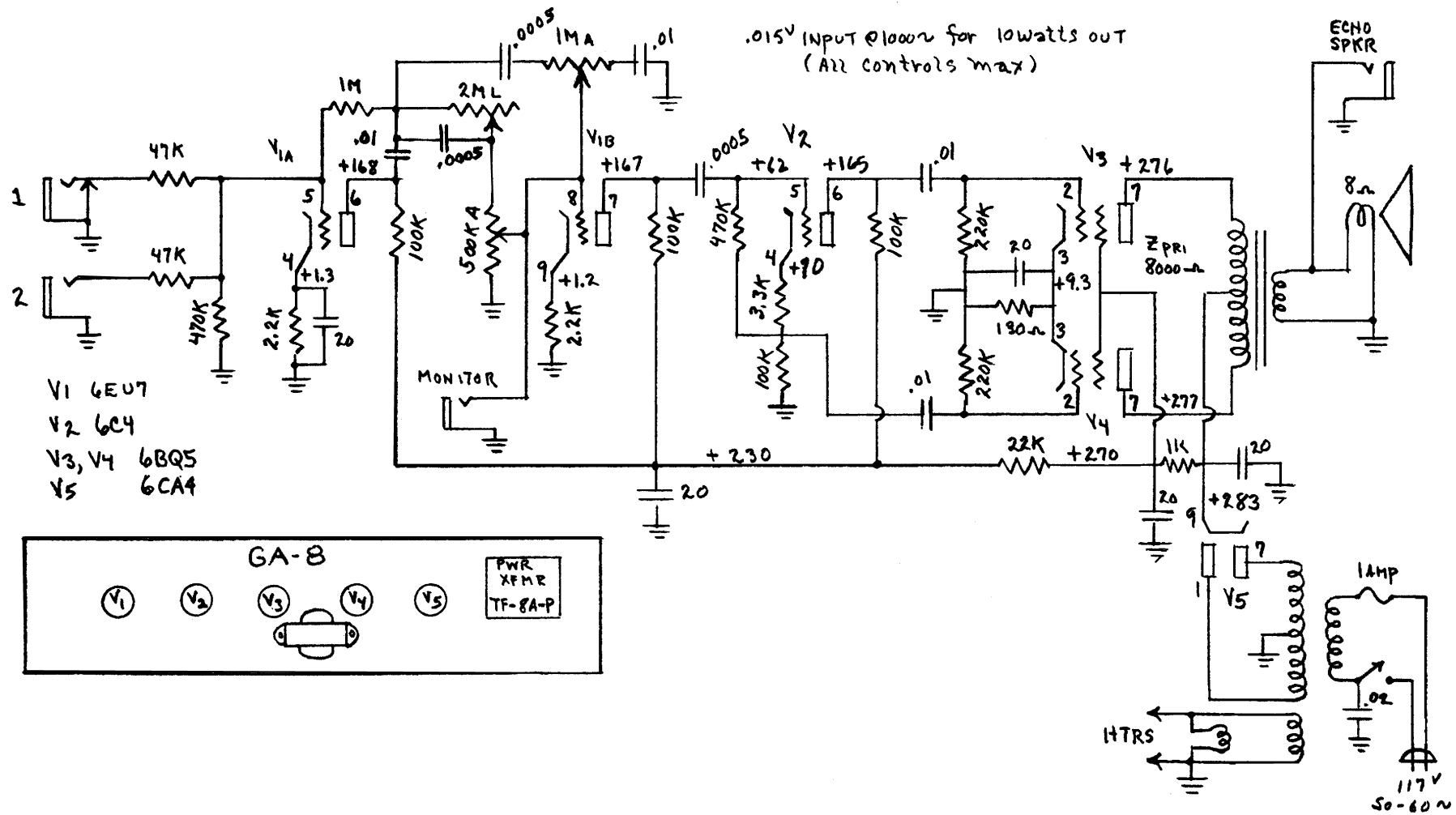






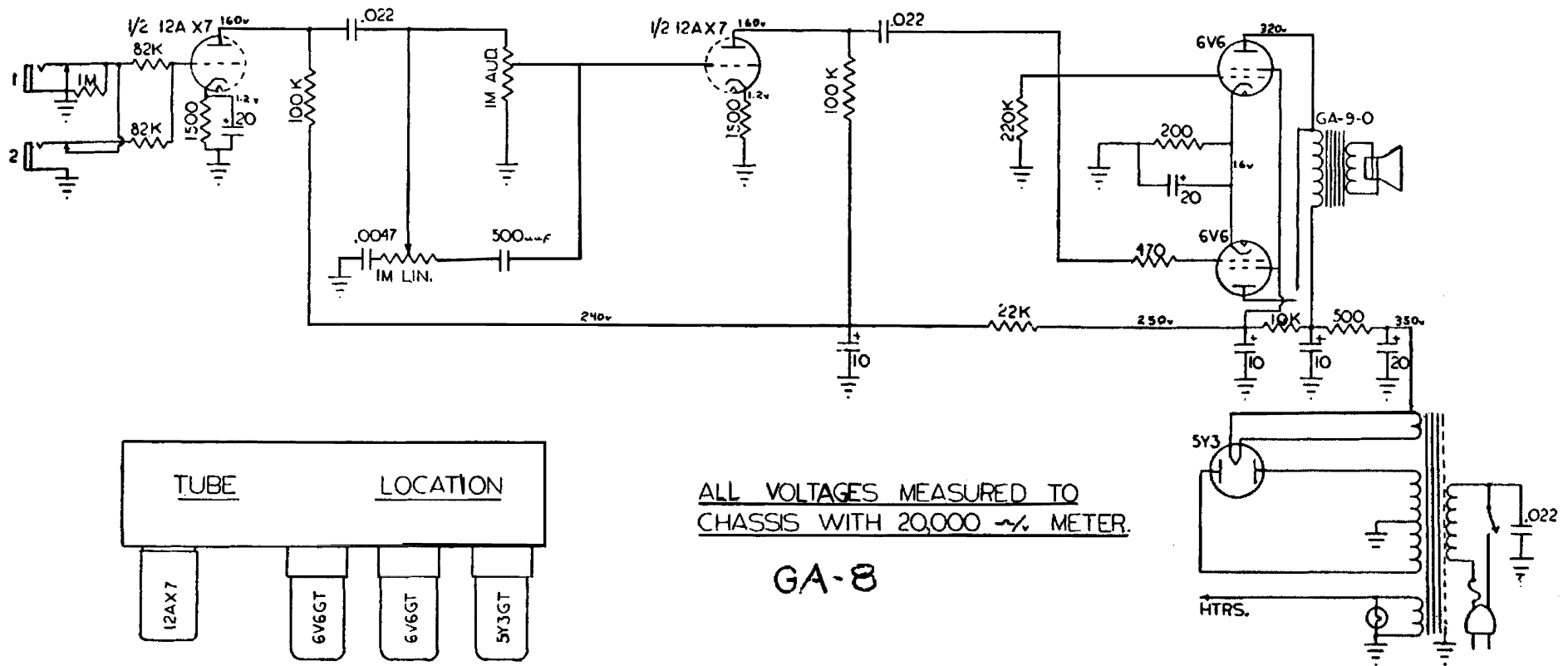
Gibson

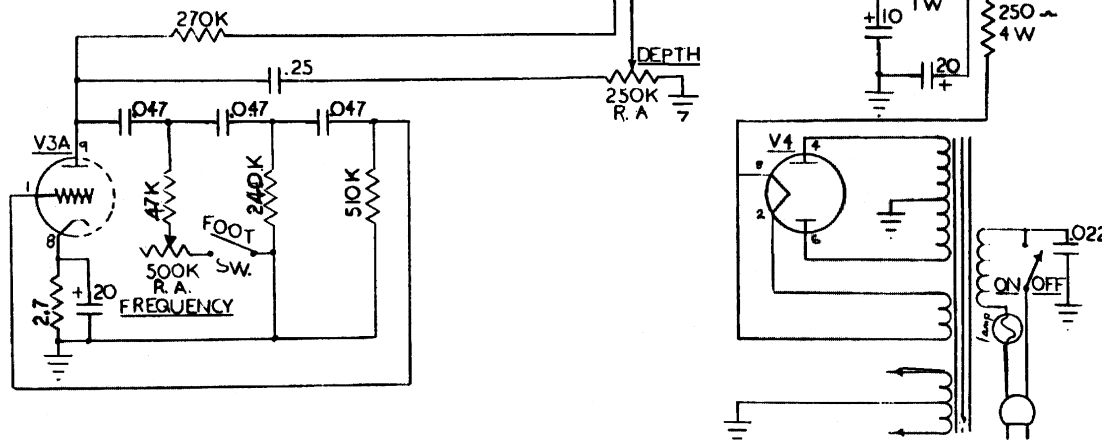
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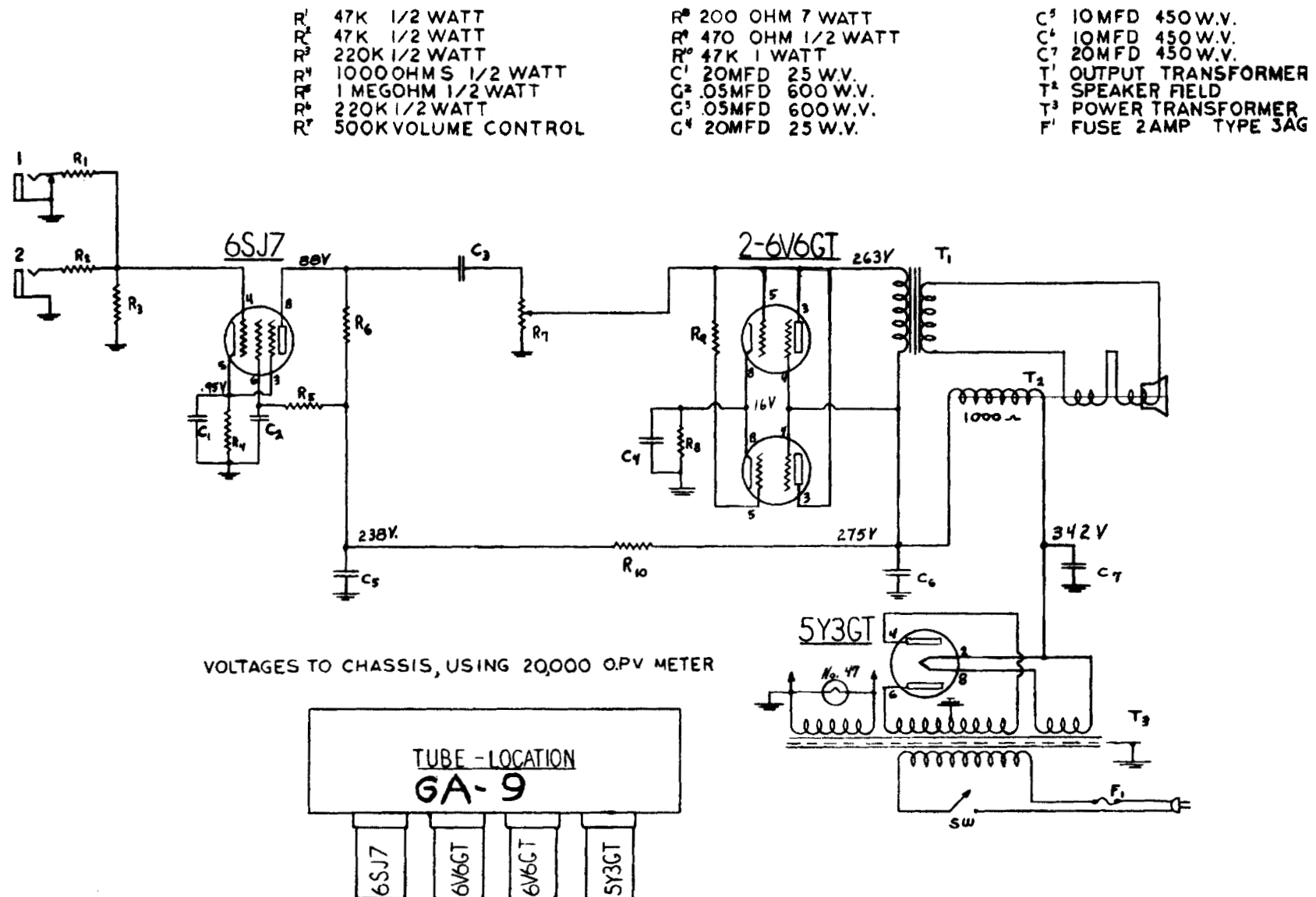


GA-8 **6V6**

Gibson

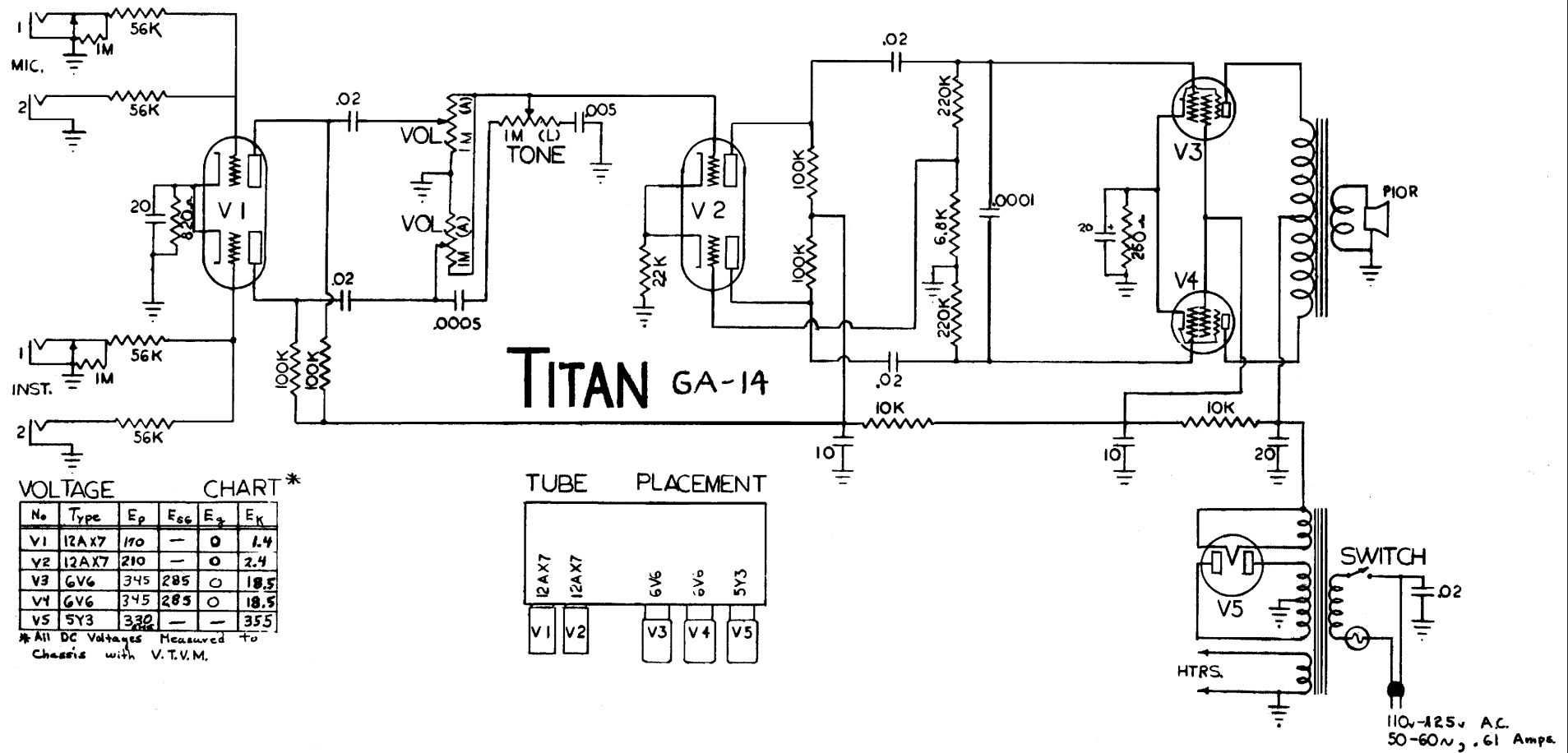


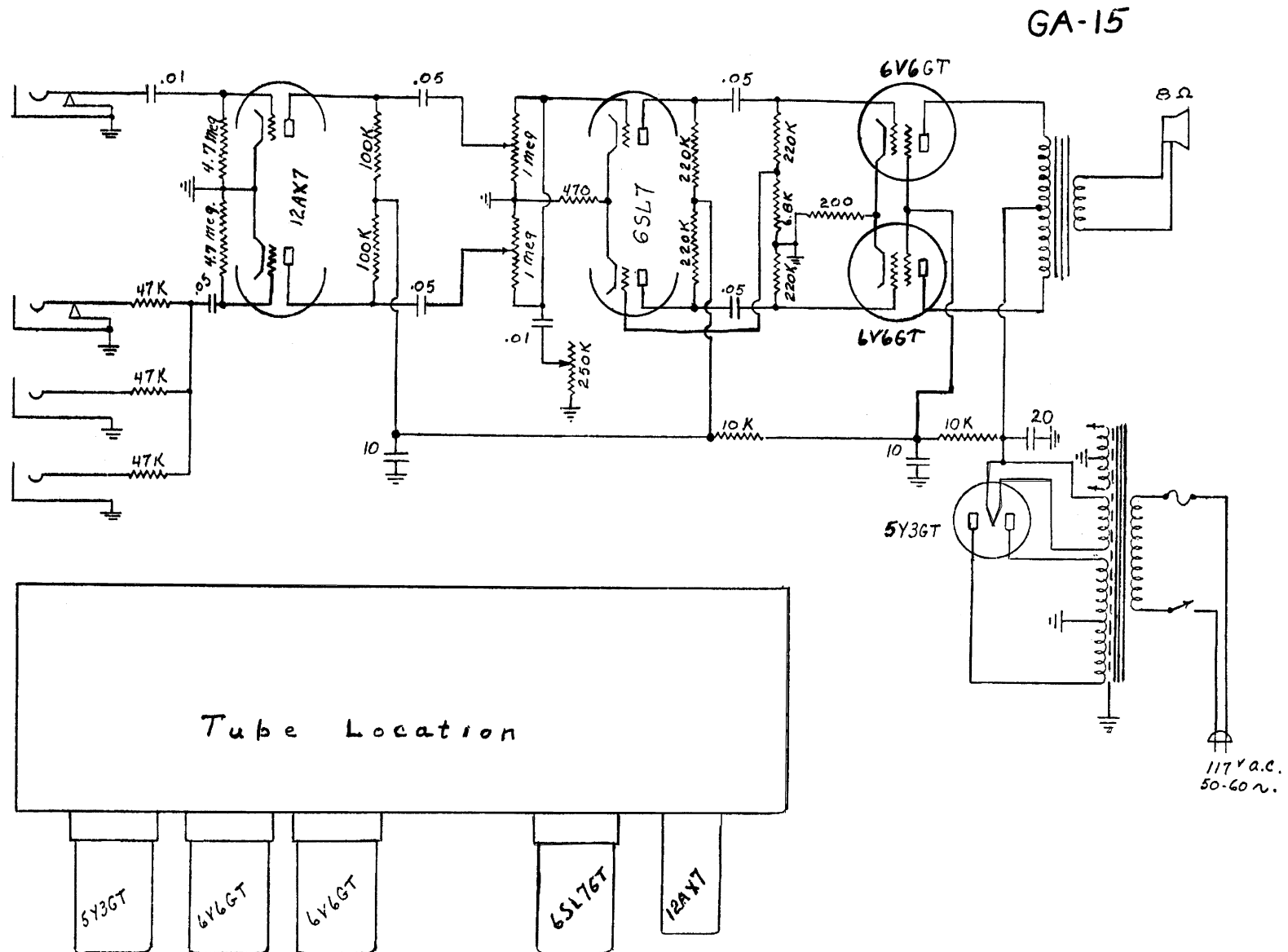




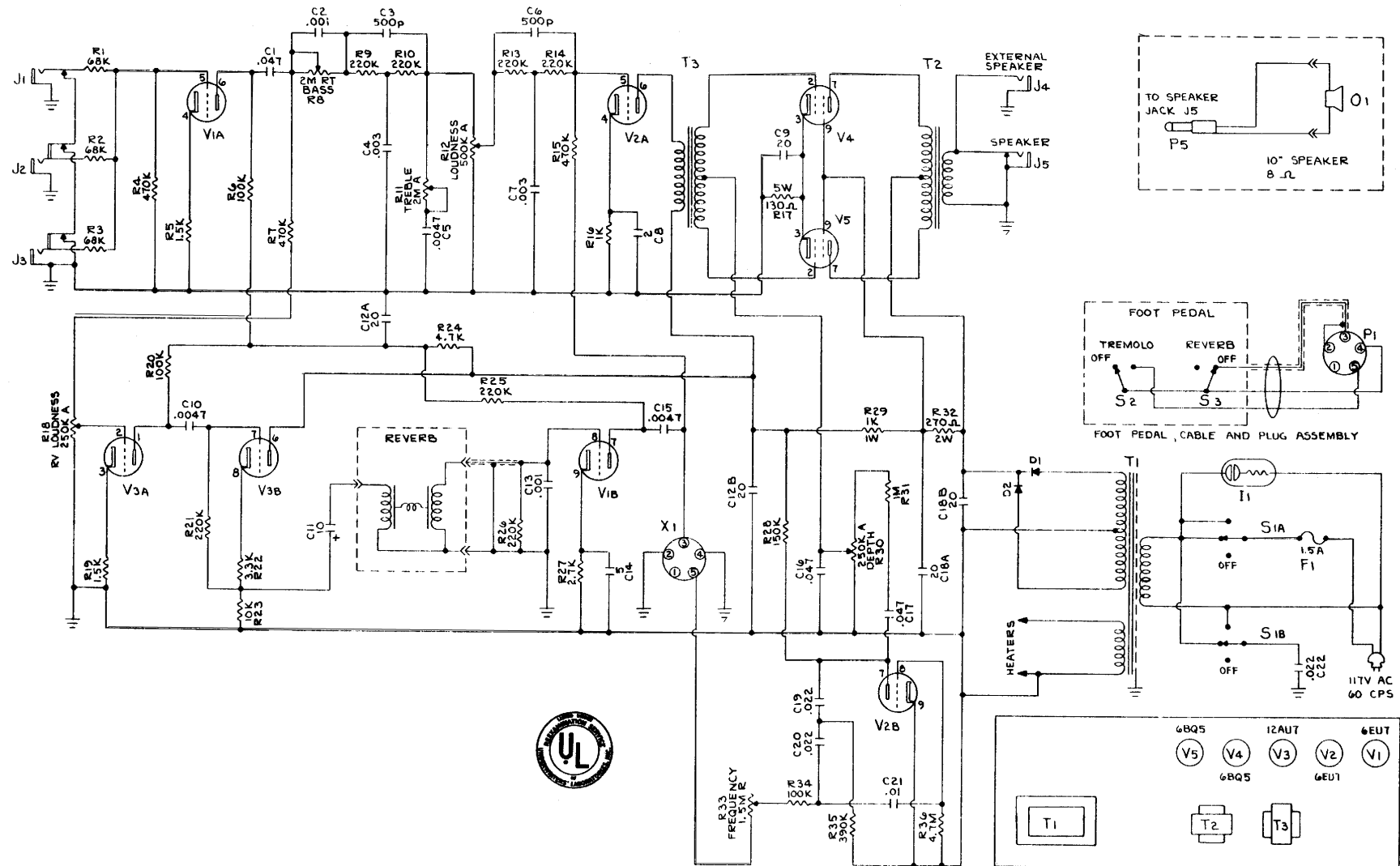
Gibson

Gibson



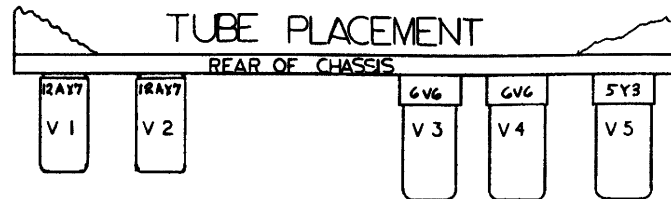


Gibson

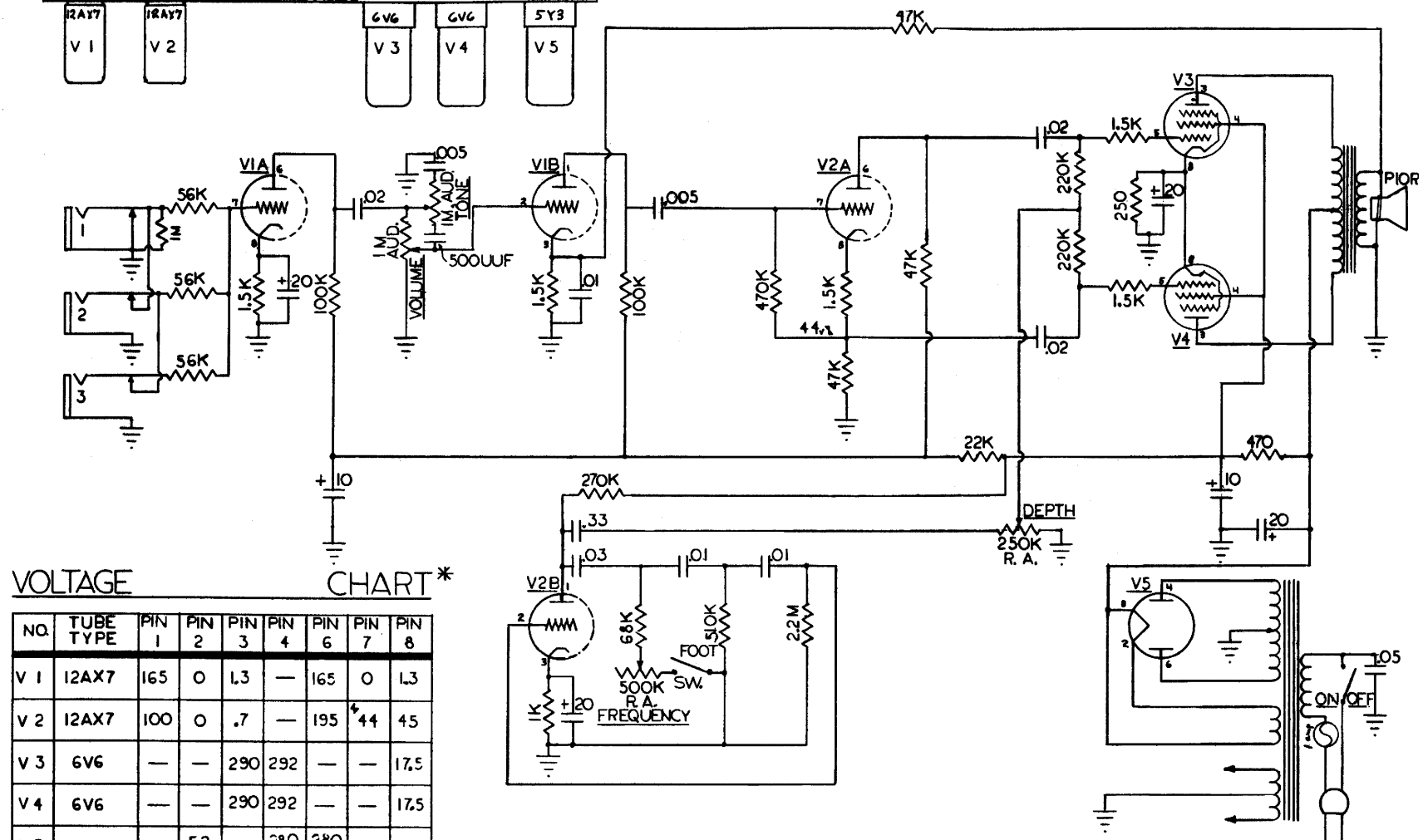


GA-16T

Gibson

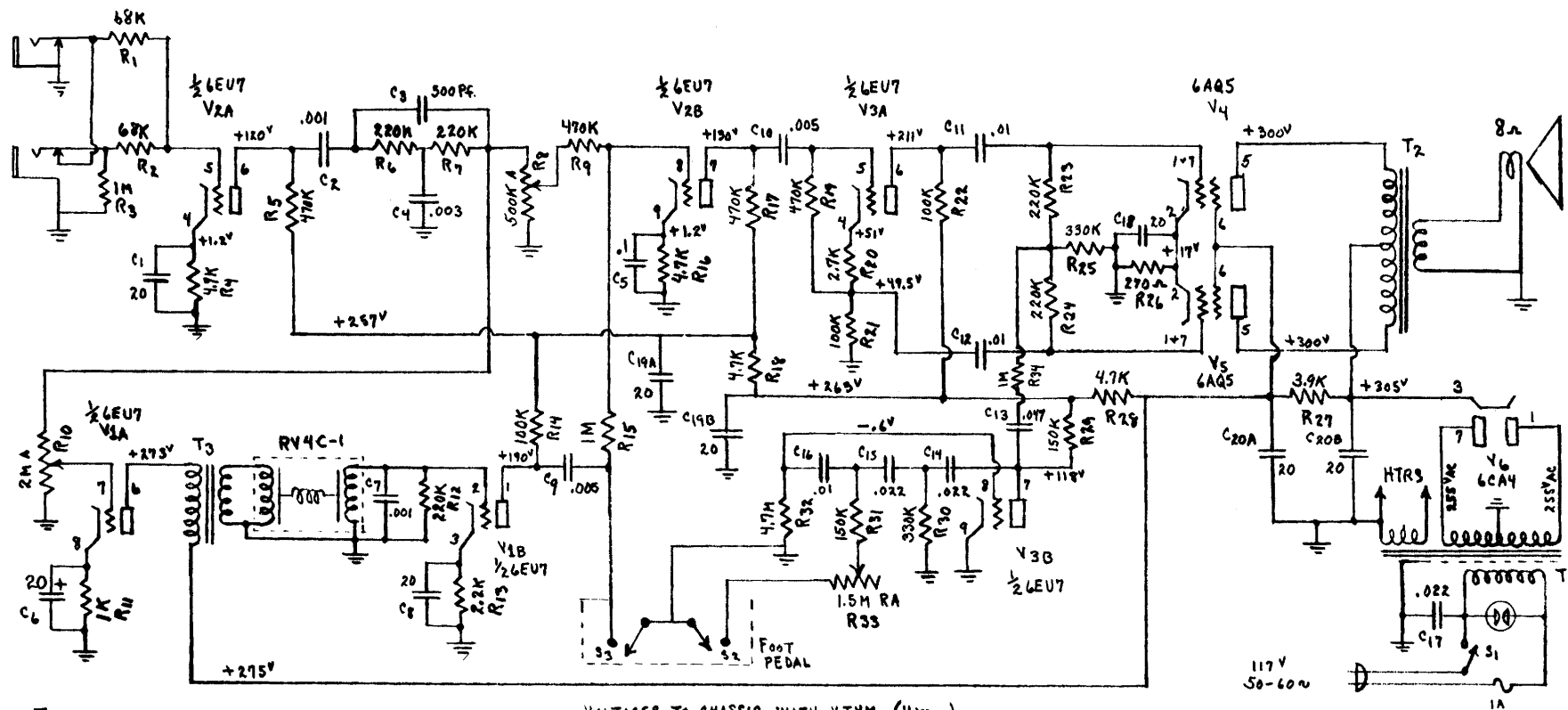


GA-16T



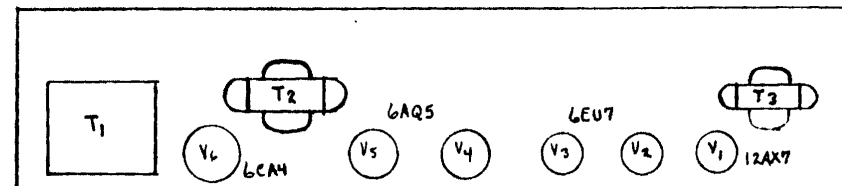
*ALL D.C. VOLTAGES MEASURED TO CHASSIS
WITH 20,000 OHM/VOLT METER.

GA17 RVT
SCOUT



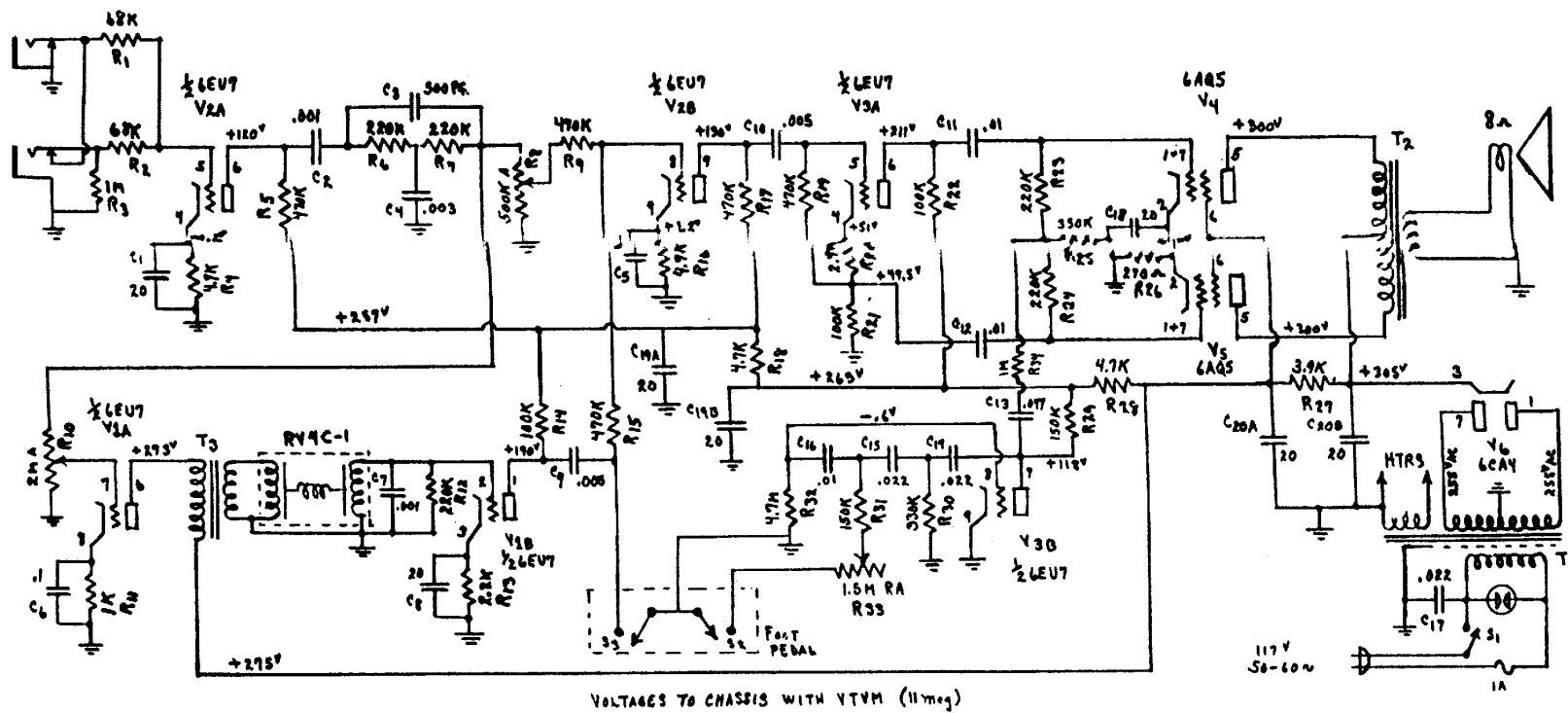
T1 POWER TRANSFORMER TF 8A-P
T2 OUTPUT " TF 18-01
T3 DRIVER " TF E6400
SPEAKER 8" x 10" S20003
R8 VOLUME CONTROL 500K AUDIO TAPER
R10 REVERB VOLUME 2MEG " "
R33 TREMOLO FREQUENCY 1.5M REV. AUDIO
S2, S3 SPST PUSH PUSH SW.
REVERBERATION UNIT RV4C-1

VOLTAGES TO CHASSIS WITH VTVM (11 meg)



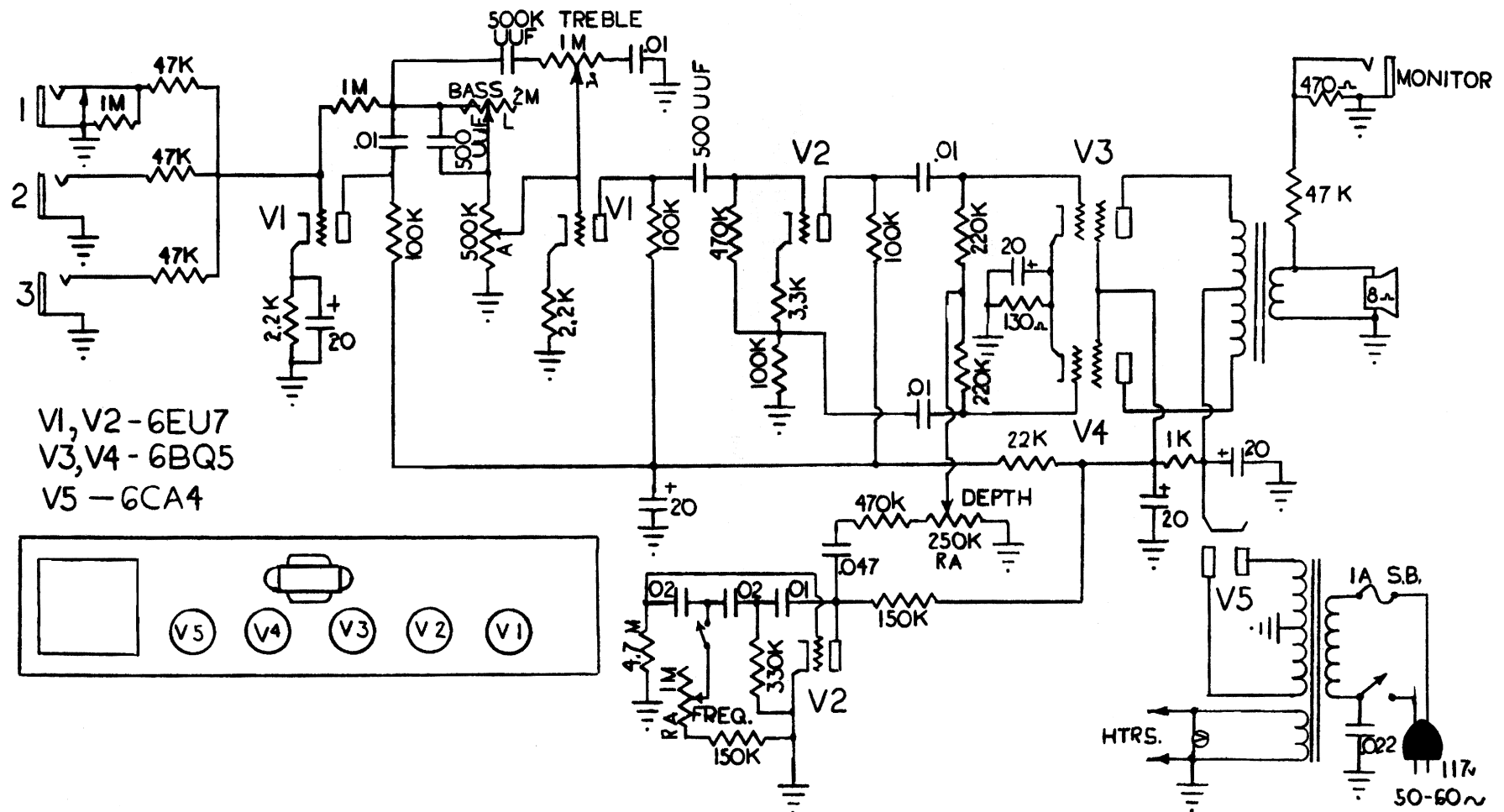
GA-17RVT

Fender



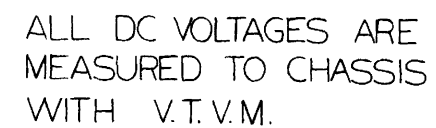
Gibson

GA-18T

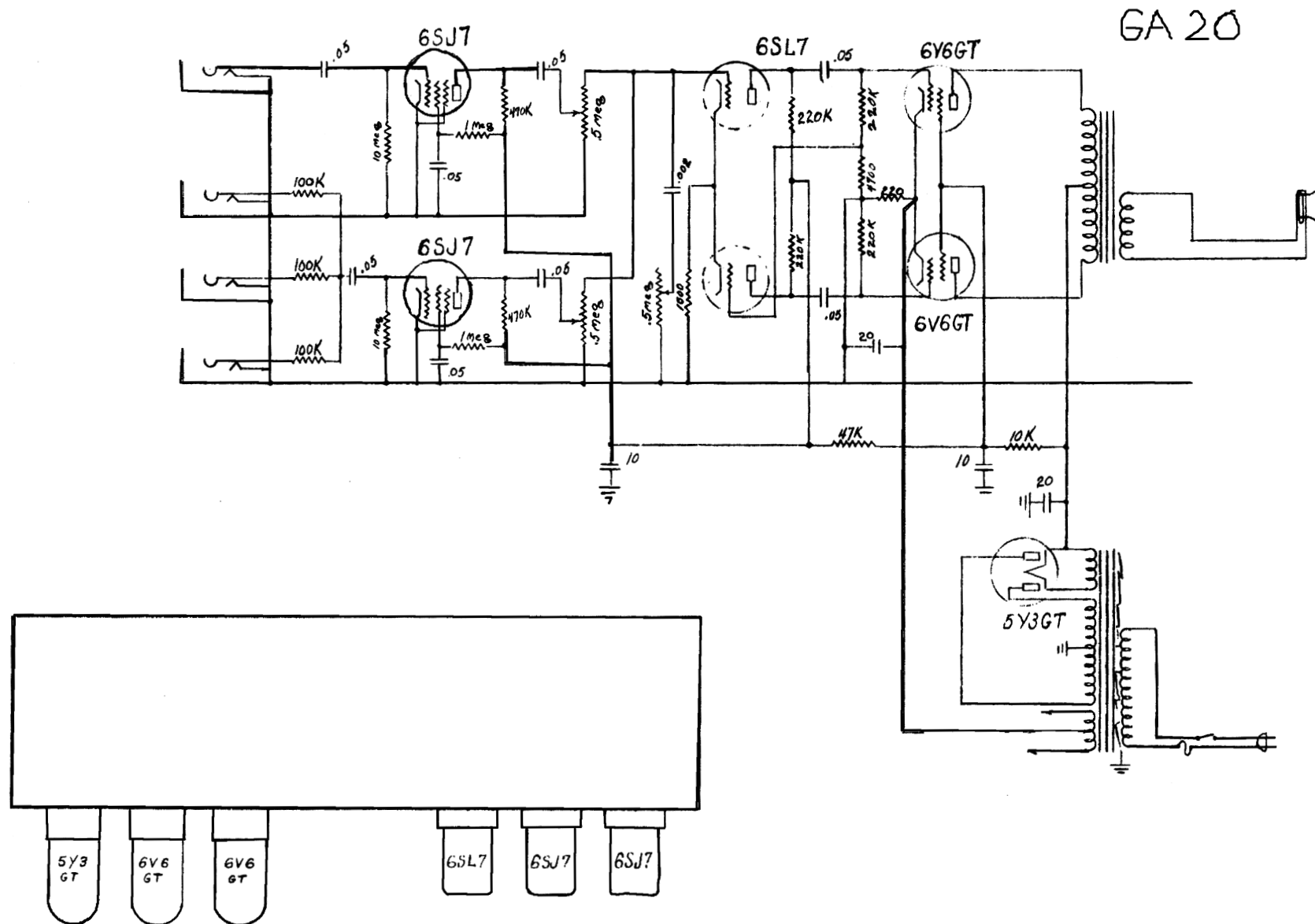


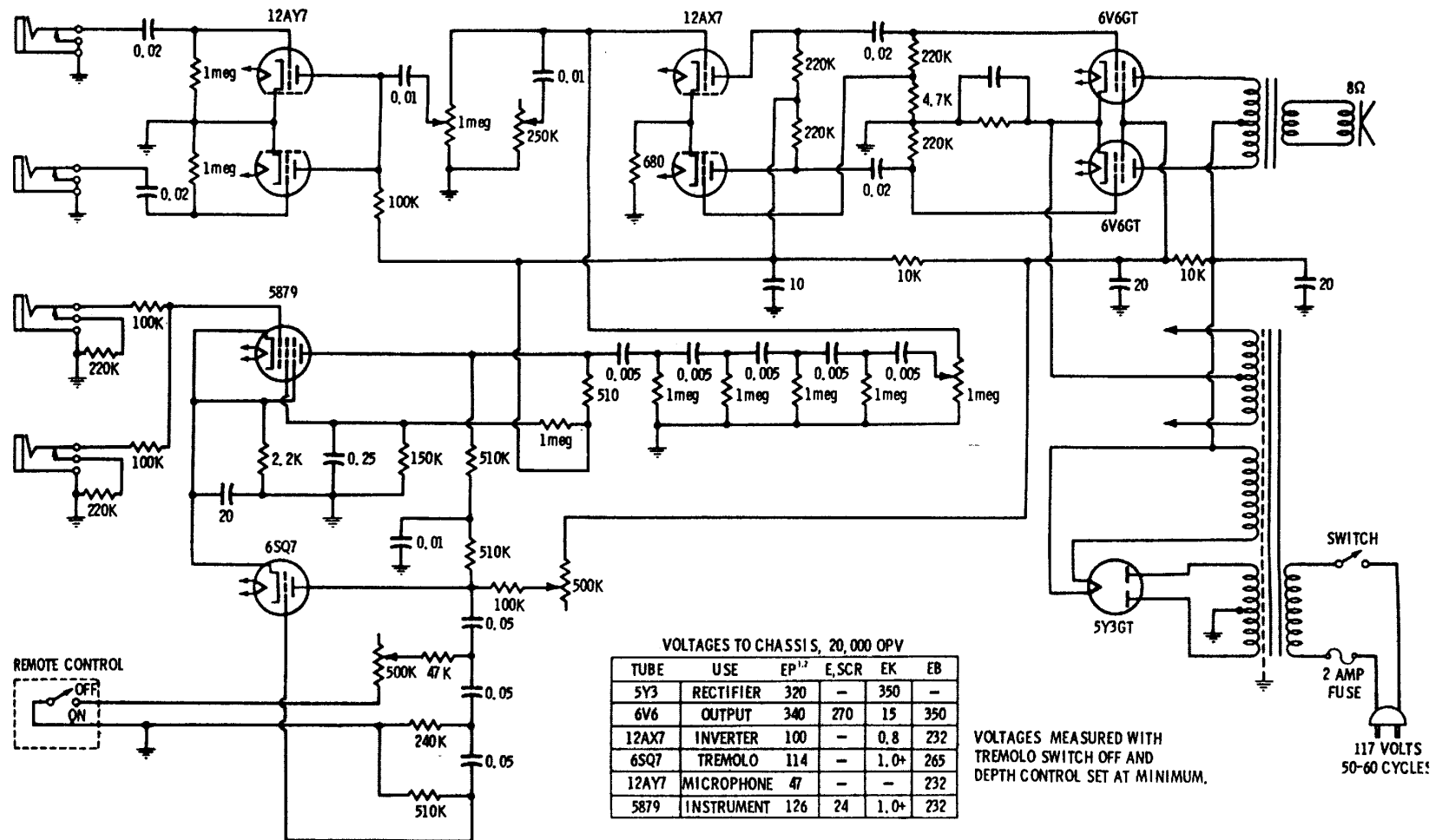
Gibson

GA-19RVT



Gibson



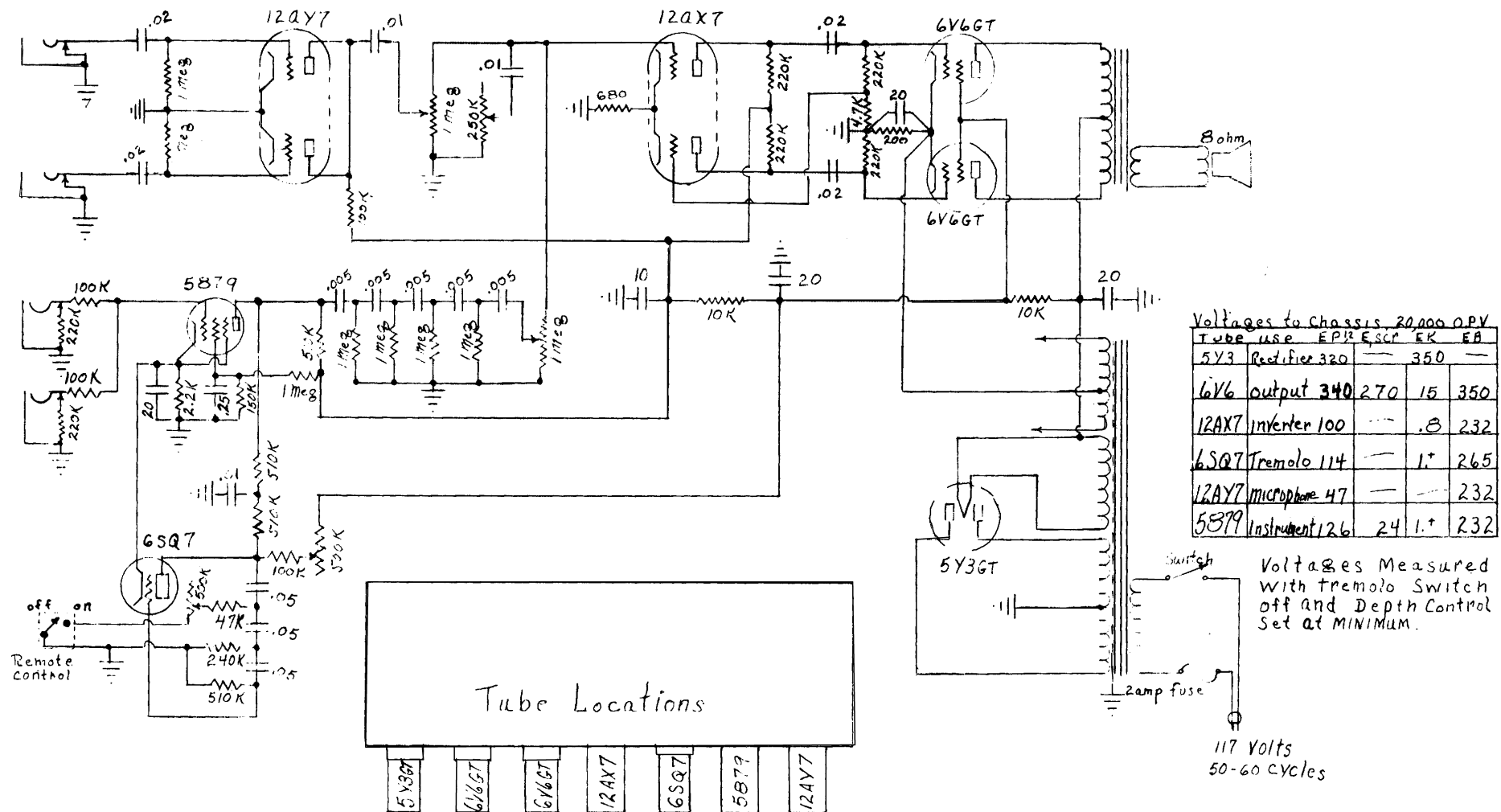


Gibson Model GA-20T

GA-20T

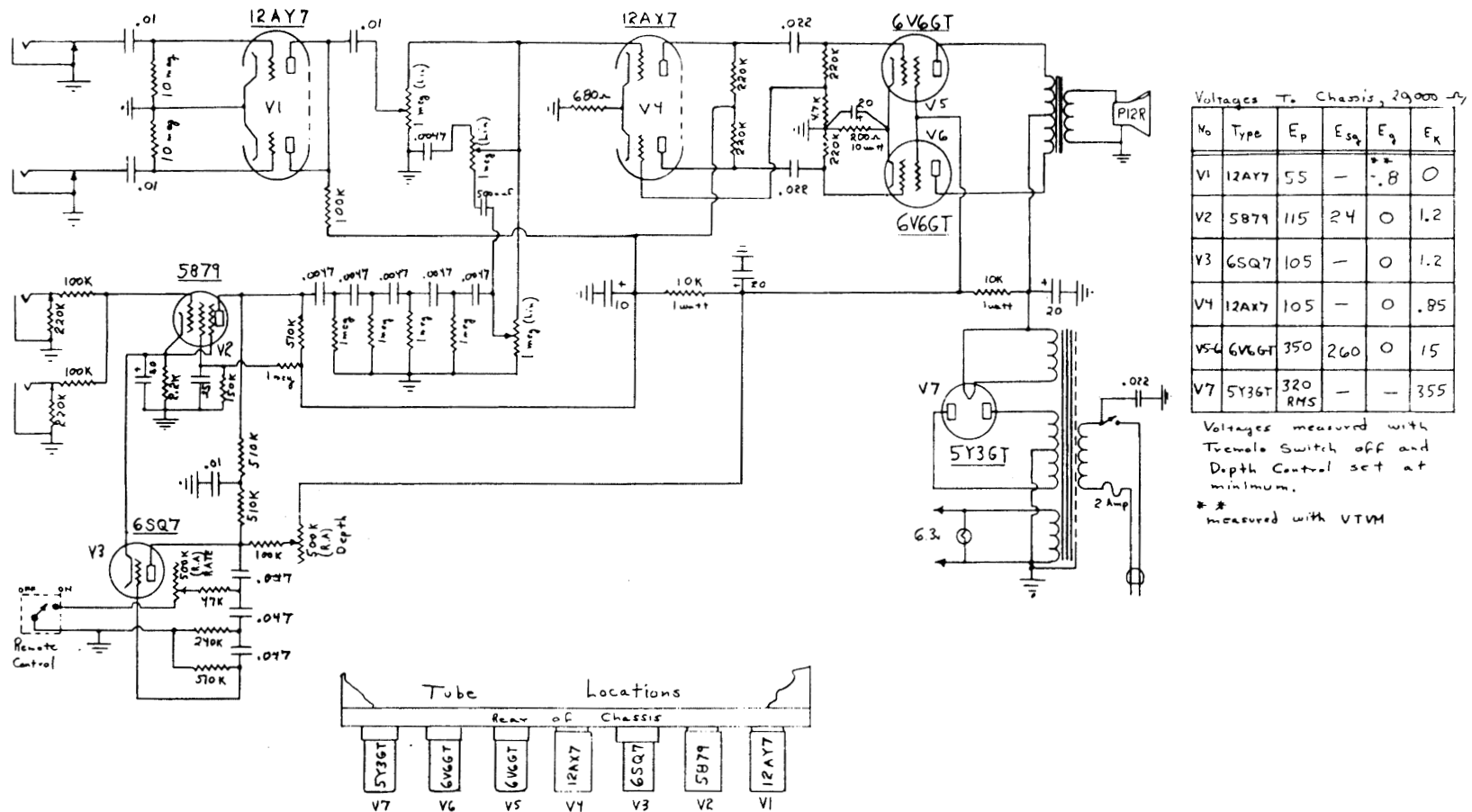
Gibson

GA-20T



GA-20T

Gibson



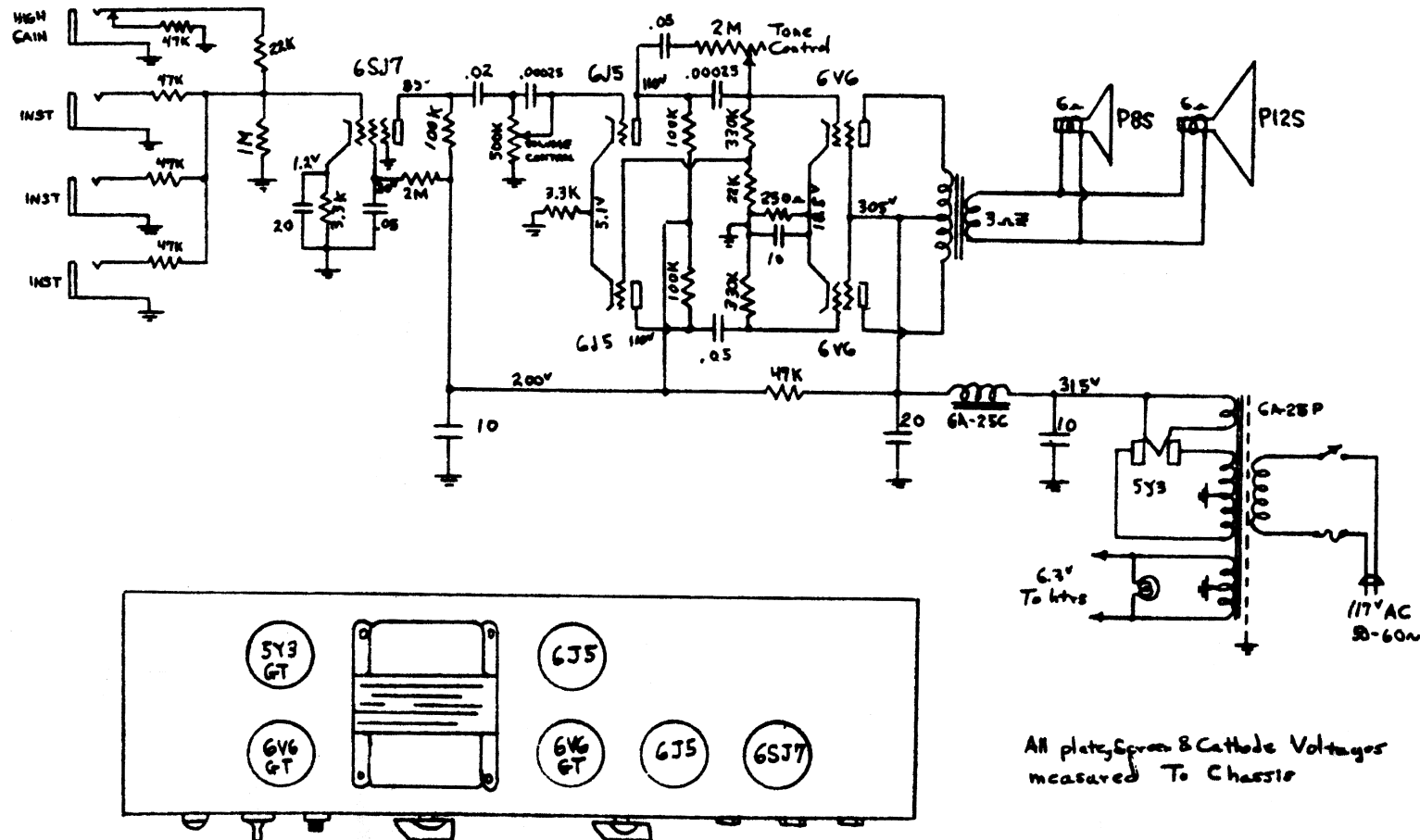
GIBSON MUSICAL
INSTRUMENT
AMPLIFIER MODEL
GA-20T (RANGER)

COURTESY OF GIBSON INC.

Gibson

T1	TF-105P-1	Power Transformer	R9, R52	CBA-4008	Control	- 250K, Audio (Loudness & Depth)
T2	TF-50A-0	Output Transformer	RC, R28	CBA-411-3702-1	Control	- 2 meg, Audio (Treble)
T3	TF-103B-1	Power Transformer	R2, R70	CBA-41007	Control	- 500K, Audio (Loudness & Reverb)
T4	TF-55A-00	Reverb Transformer	R57	CBA-411-3711-1	Control	- 1.5 meg, RA (Frequency)
L1	TF-1003-C	Filter Choke	R7, R27	CBA-413-222-1	Control	- 2 meg, RA (Bass)
			R49	CB-21391	Control	- 500 ohm, Wt
SLA, B	SW-299-1	Switch - SPST Rotary				
S2, S3	SW-22403	Switches - SPST				
I1	PL-35R	Pilot Light (Neon) w/clip				
X1	CL-75PCG-5	Foot Pedal Socket				
P1	CP-910W-5L	Foot Pedal Plug				
D1, D2	DI-404	Diode - 800 PIV				

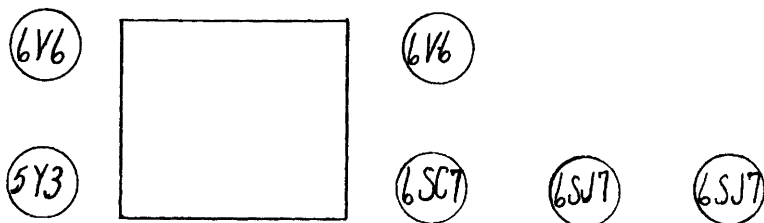
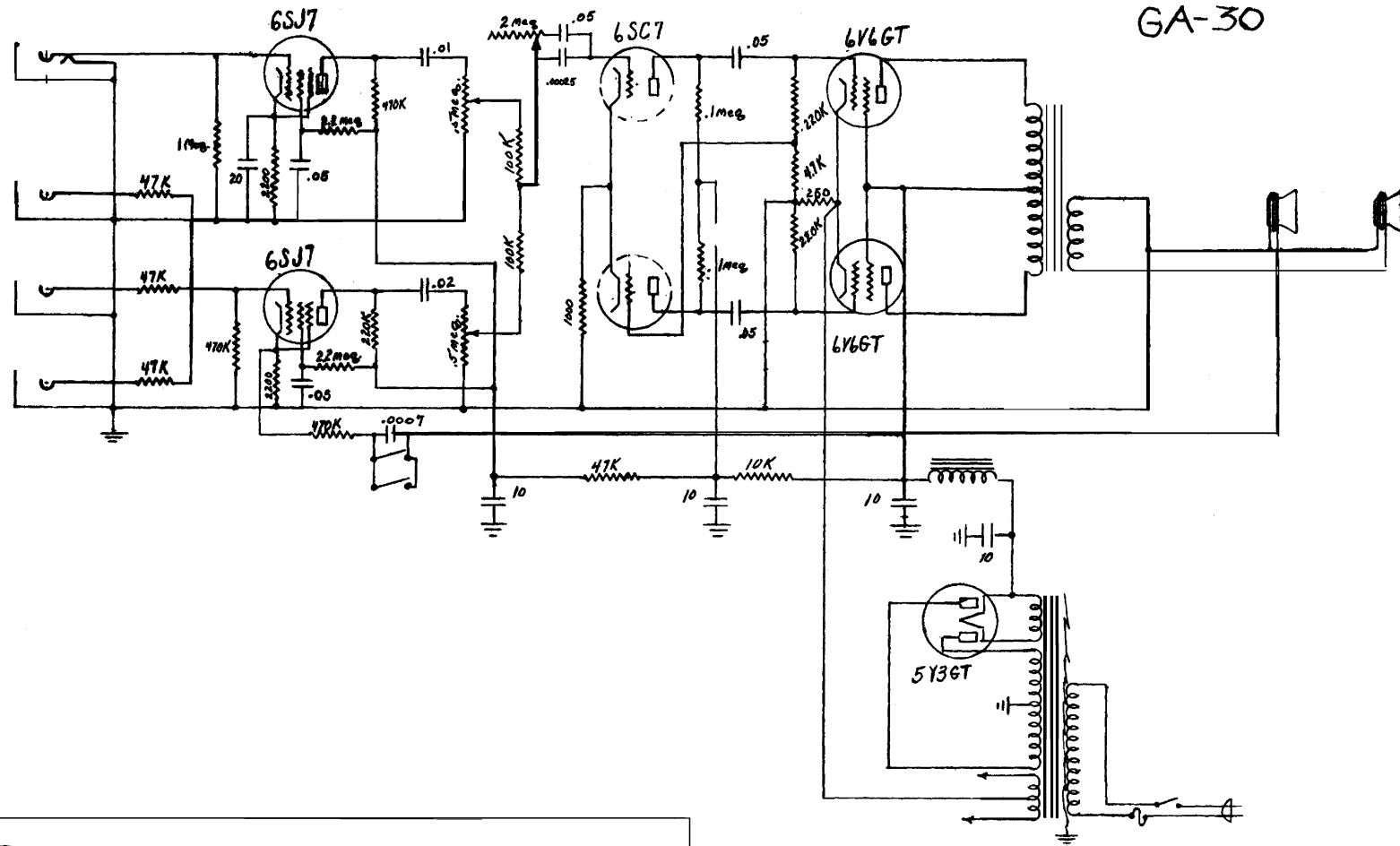
GA-25



All plate, Screen & Cathode Voltages
measured To Chassis

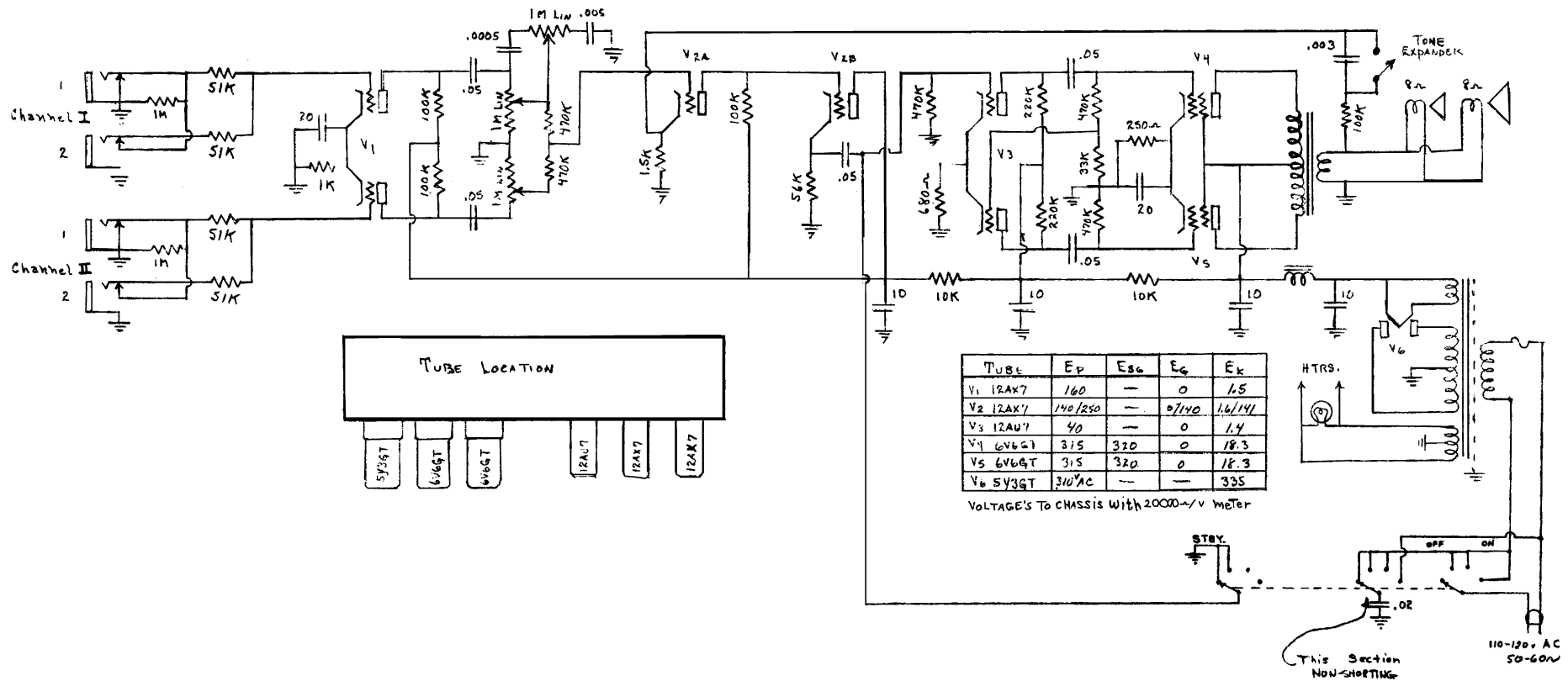
GIBSON INC	Schematic	
	24 Jan 61	MCP

Gibson



GA-30 12AX7 PREAMP

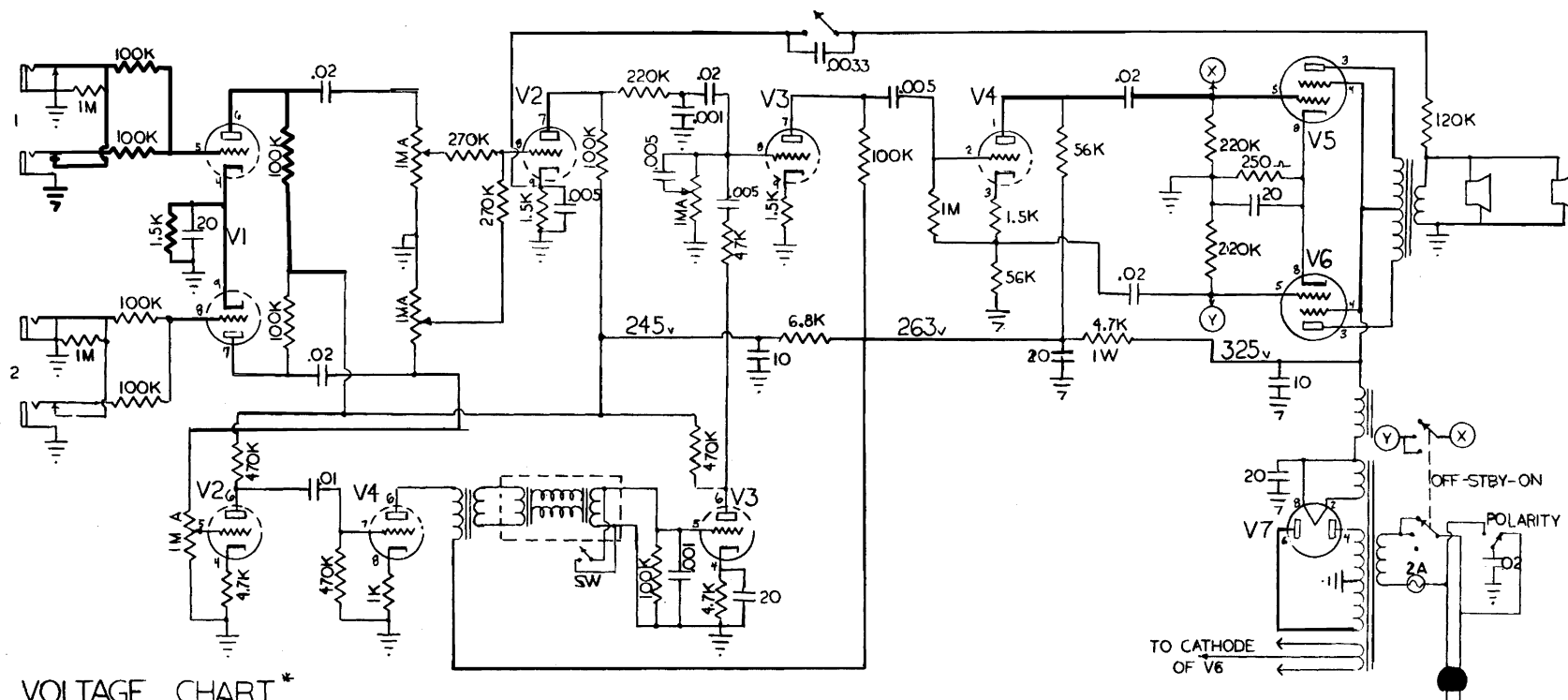
Gibson



Gibson

Gibson

GA-30RV

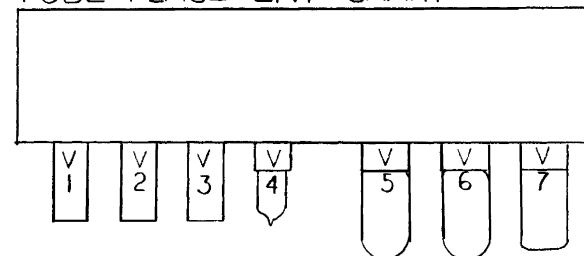


VOLTAGE CHART*

NO.	TYPE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9
V1	6EU7	FIL	FIL	—	1.75	0	190	190	0	1.75
V2	6EU7	FIL	FIL	—	1.25	0	122	160	0	1.20
V3	6EU7	FIL	FIL	—	1.20	0	122	180	0	1.30
V4	12AU7A	170	54	105	FIL	FIL	250	0	8.6	FIL
V5	6V6GT	0	FIL	320	325	0	—	FIL	18	—
V6	6V6GT	0	FIL	320	325	0	—	FIL	18	—
V7	5Y3GT	—	FIL	—	320 AC	—	320 AC	—	330	—

*MEASURED TO CHASSIS WITH 20,000 OHM/VOLT METER.

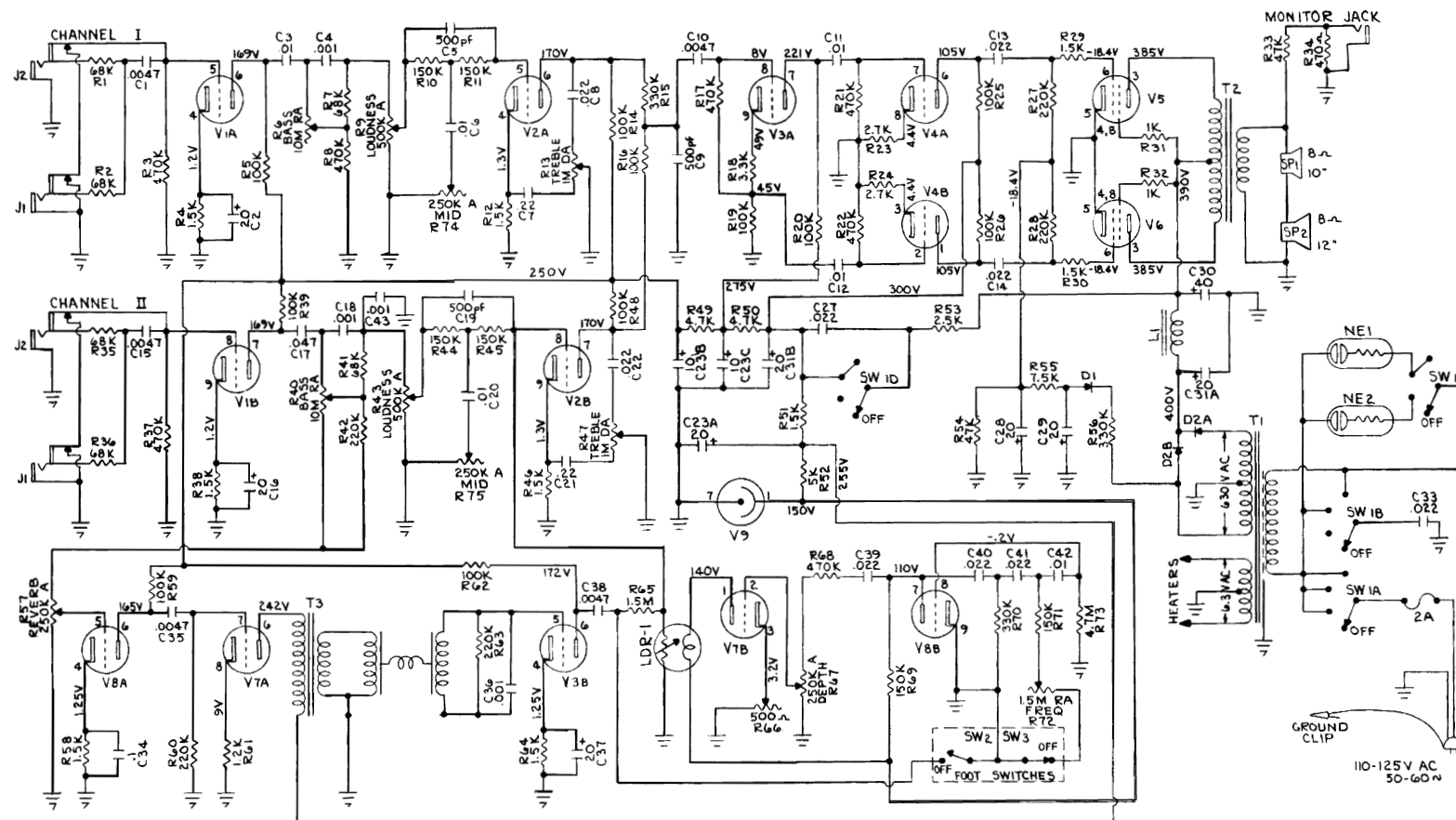
TUBE PLACEMENT CHART



GA-30RVT

Gibson

GA-30RVT



SW-1A, 1B, 1C, 1D Switch - off, standby, on-on Rotary
SW-2, SW-3 Switches - push, push

T1 Power Transformer
T2 Output Transformer
T3 Reverberation Transformer

L1 Filter Choke

D1 Diode 600 PIV, 250 MA
D2A, D2B Diode 1200 PIV, 250 MA

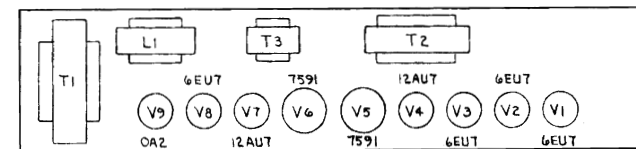
R57, R67, R74, R75 Controls - 250K, C2 Audio (Reverb, Depth)
R9, R43 Controls - 500K, C2 Audio (Loudness)
R6, R4C Controls - 10 meg, C3 RA (Bass)
R72 Control - 1.5 meg, C3 RA (Frequency)
R13, R47 Controls - 1 meg - 30K RA (Treble)
R66 Control - 500 ohm wire wound

SW-78 SW-82403

TP-100P
TP-P-6417-1
TP-K-6400

TP-3021-H

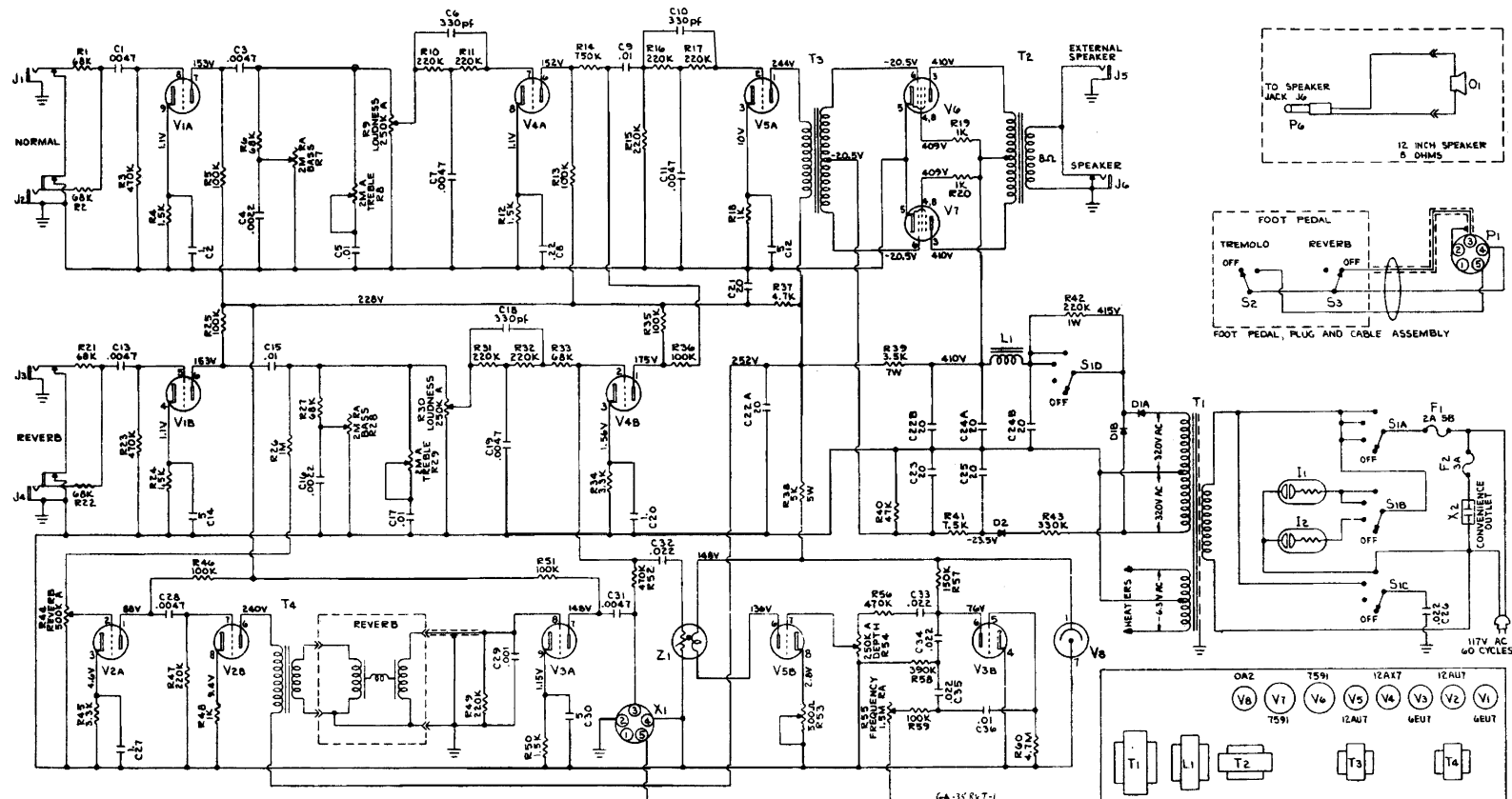
DI-71B
DI-57
CBA-811-3701
CBA-811-3707
CBA-811-3710
CBA-811-3711
CBA-811-34001
CB-23391



GA-35RVT

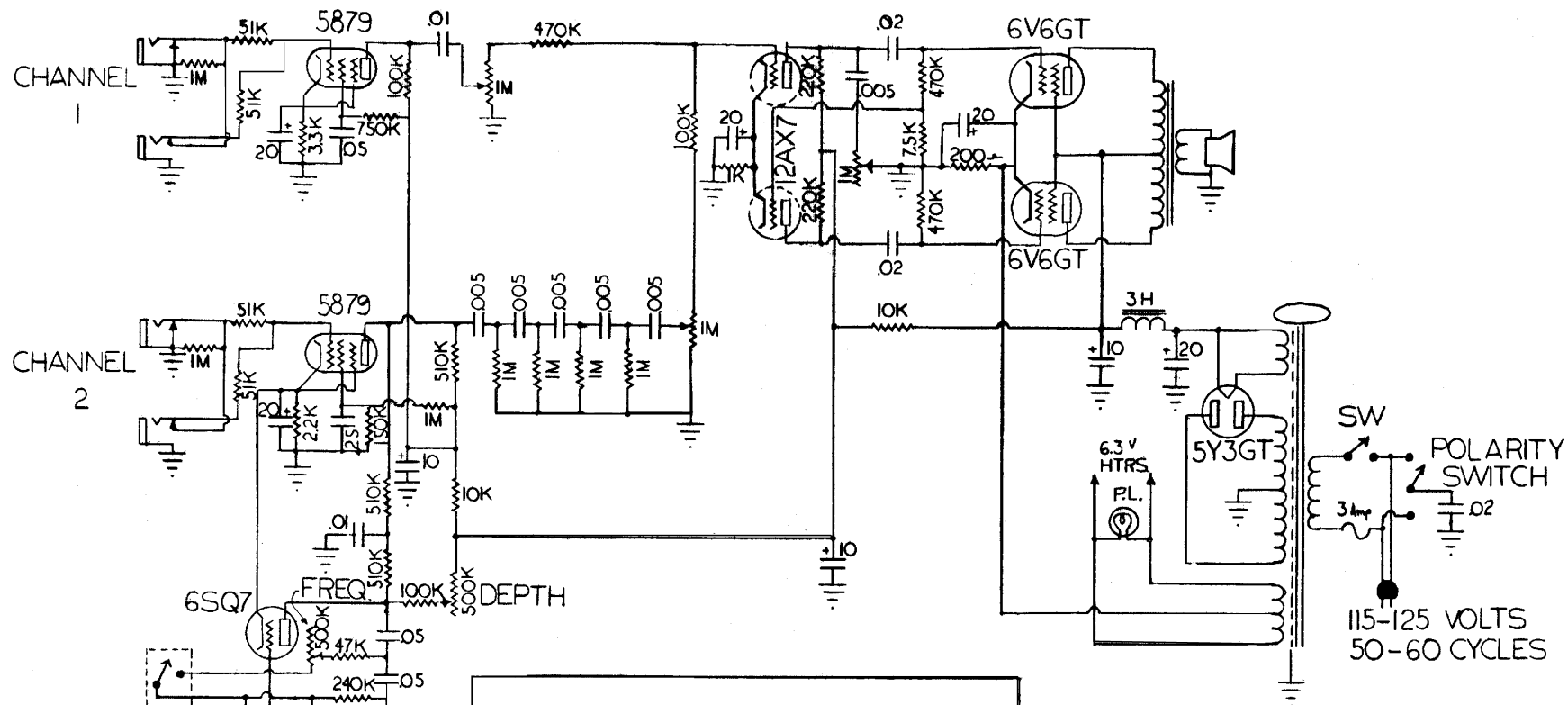
Gibson

GA-35RVT



- | | | | | |
|--------------|-----------------------------|----------------|------------|------------------------|
| T1 | Power Transformer | TF-104P | D1A, B | Diode - 1200 PIV DI-57 |
| T2 | Output Transformer | TF-P6417 | D2 | Diode 600 PIV DI-71B |
| T3 | PP Driver Transformer | TF-1001D-1 | | |
| T4 | Reverb Transformer | TF-E6400 | | |
| L1 | Filter Choke | TF-3021H | | |
| S1A, C, D | Switch - off, standby, n-On | SW-78A-1 | | |
| S2, S3 | Switches - SPST | SW-82403 | | |
| I1 | PL-37R Pilot Light (Rec) | X1 | CN-78PCG-5 | Foot Pedal Socket |
| I2 | PL-38A Pilot Light (Amb r) | X2 | CN-303 | AC Convenience Outlet |
| R9, R30, R54 | Control - 250K, Audio | CBA-4008 | | |
| R8, R29 | Control - 2 meg, audio | CBA-911-3702-1 | | |
| R44 | Control - 500K Audio | CBA-4007 | | |
| R55 | Control - 1.5 meg, Rn | CBA-911-3711-1 | | |
| R7, R28 | Control - 1 meg, audio | CBA-911-3709-1 | | |

Gibson



REMOTE
CONTROL

510K

Leo Paul

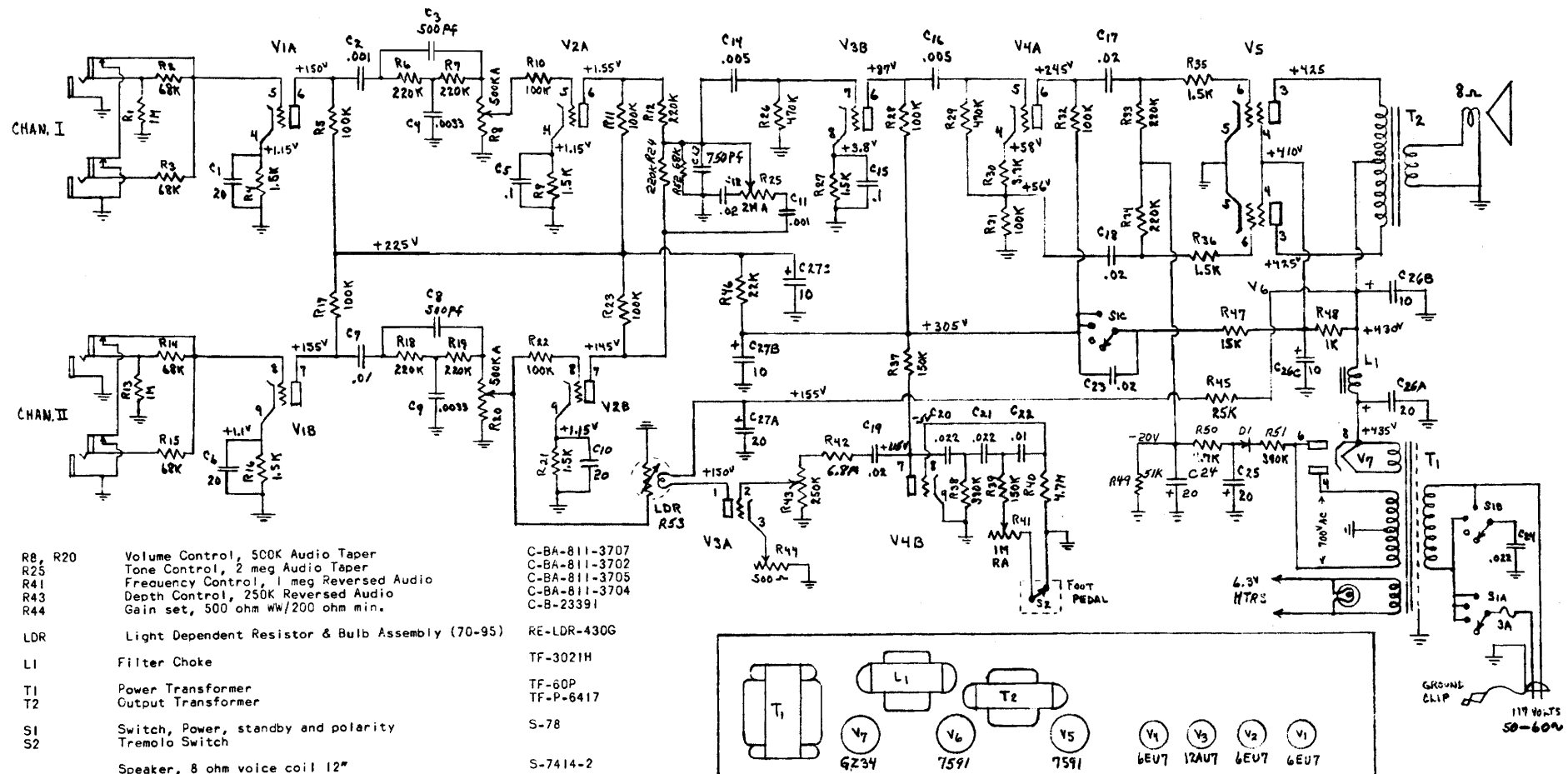
TUBE		LOCATION	
5Y3		12AX7	6SQ7
6V6		5879	5879

VOLTAGE TABLE

TUBE	USE	E_{p1}	E_{sc}	E_K	E_{p2}	E_{b1}
5Y3GT	RECT.	300 ^o AC	—	+315	300 ^o AC	—
6V6GT	OUT PLT	+305	+310	+18.5	—	+310
12AX7	ϕ INVERTER	+135	—	+1.25	+135	+280
5879	CHANNEL 1	+175	+95	+4	—	+265
5879	CHANNEL 2	+180	+32	+1.45	—	+265
6SQ7	THRESHOLD OSC.	+130 ^W	—	+1.45	—	—

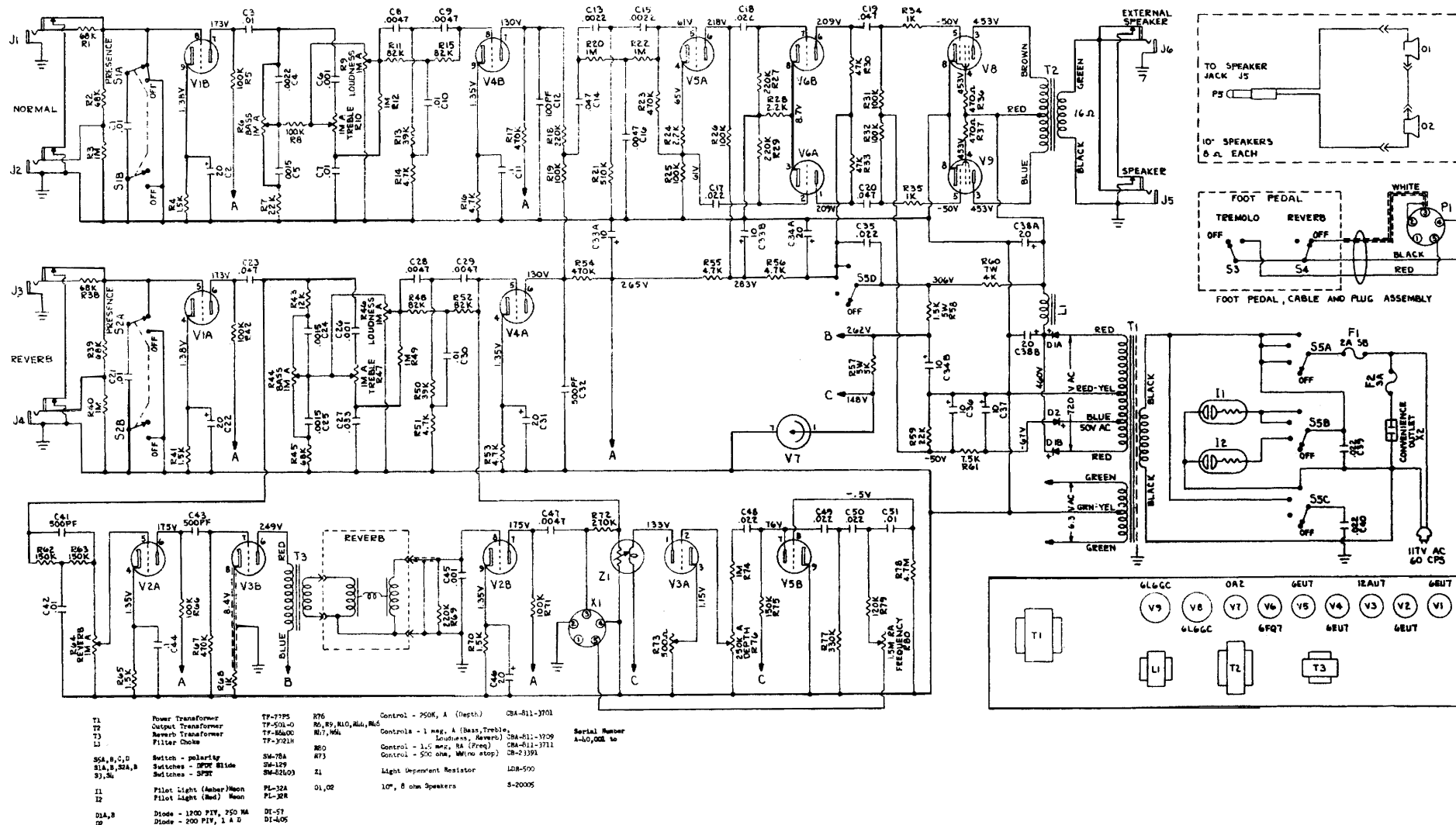
* VOLTAGES TO CHASSIS WITH 20,000
O.P.V. METER.

**TREMOLLO 'OFF', DEPTH 'MIN'.

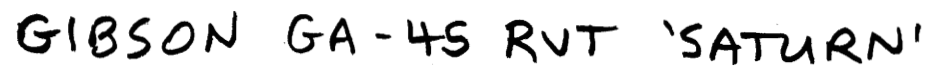


GA-45RVT

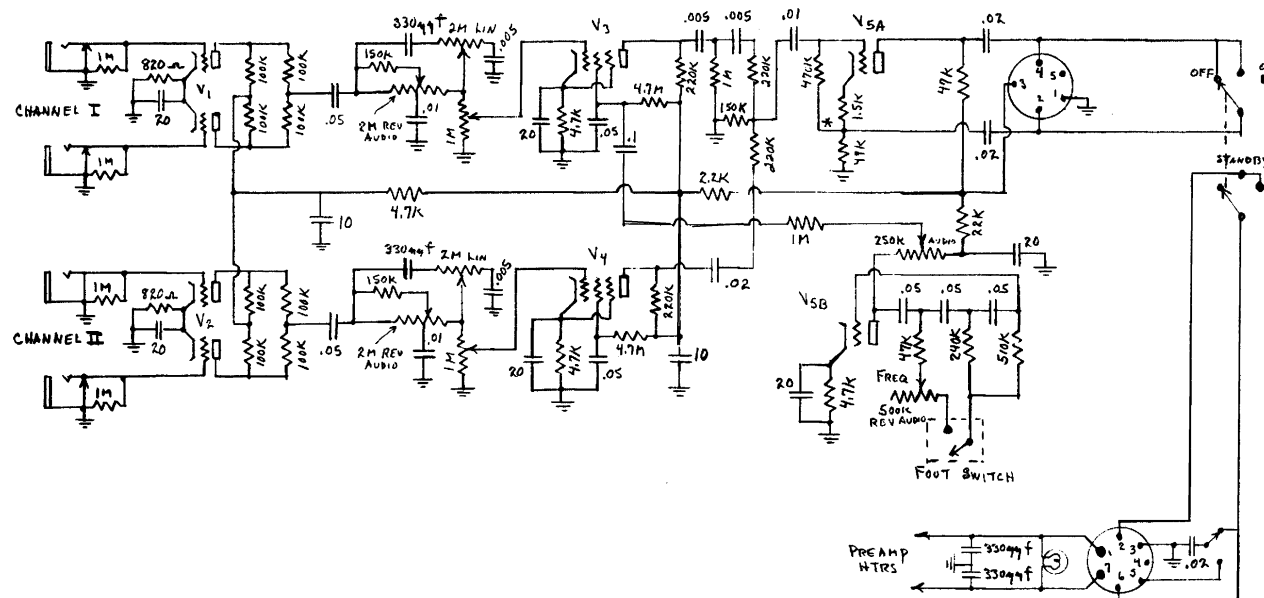
Gibson



Gibson

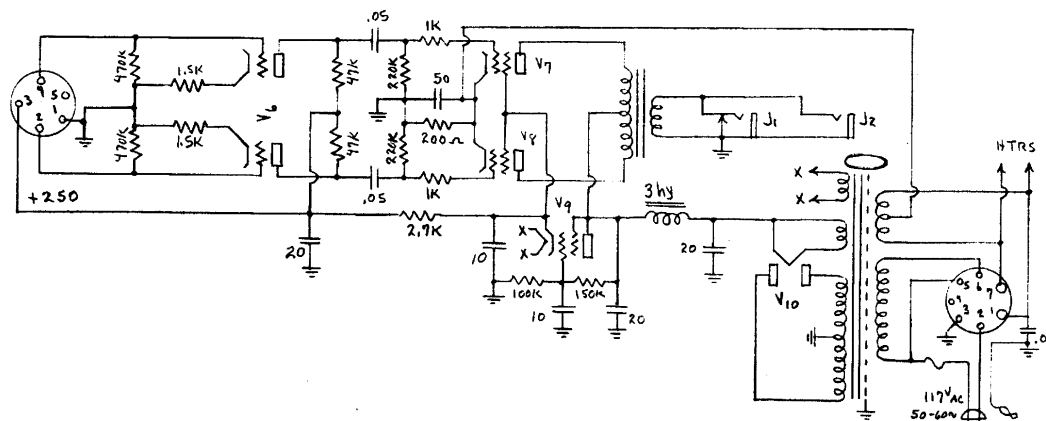
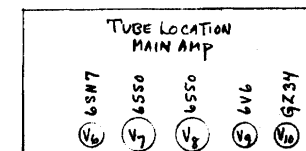
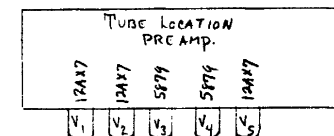


GA-46



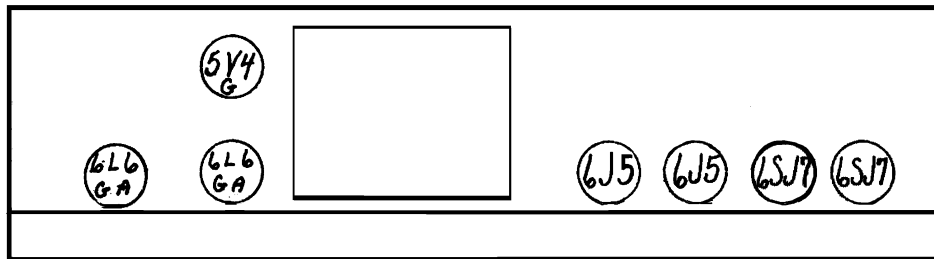
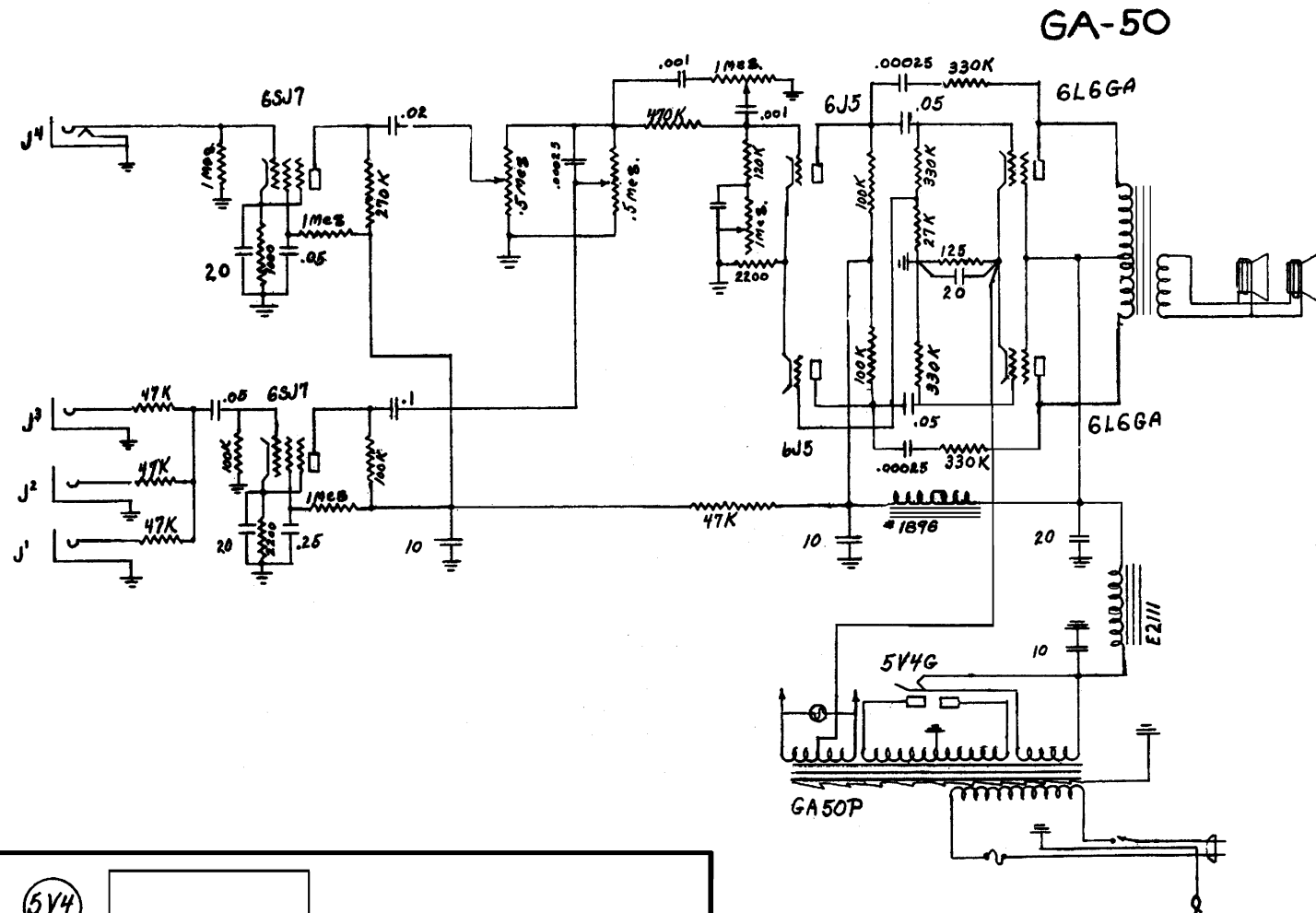
	Ep	EsG	EG	EK
V1-12AX7 CHAN I PREAMP	+150	—	0	+1.2
V2-12AX7 " II "	+150	—	0	+1.2
V3-5879 MIXER AMP	+180	+32	0	+1.15
V4-5879 AMPLIFIER	+180	+32	0	+1.15
V5A-312AX7 PHASE SPLITTER	+210	—	+46	+47
V5B-312AX7 TREN. OSC.	+450	—	0	+1.7
V6-6SN7 DRIVER	112	—	0	+4.2
V7-6SS0 PWR AMP	+560	+265	0	+23.5
V8-6SS0 " "	+560	+265	0	+23.5
V9-6V6 VOLTAGE REG.	+565	+565	+224	+265
V10-6Z34 RECTIFIER	+555ms	—	—	+570

DC VOLTAGES TO CHASSIS WITH HT REG VTVM AND
TREMOL. OSCILLATOR "OFF"



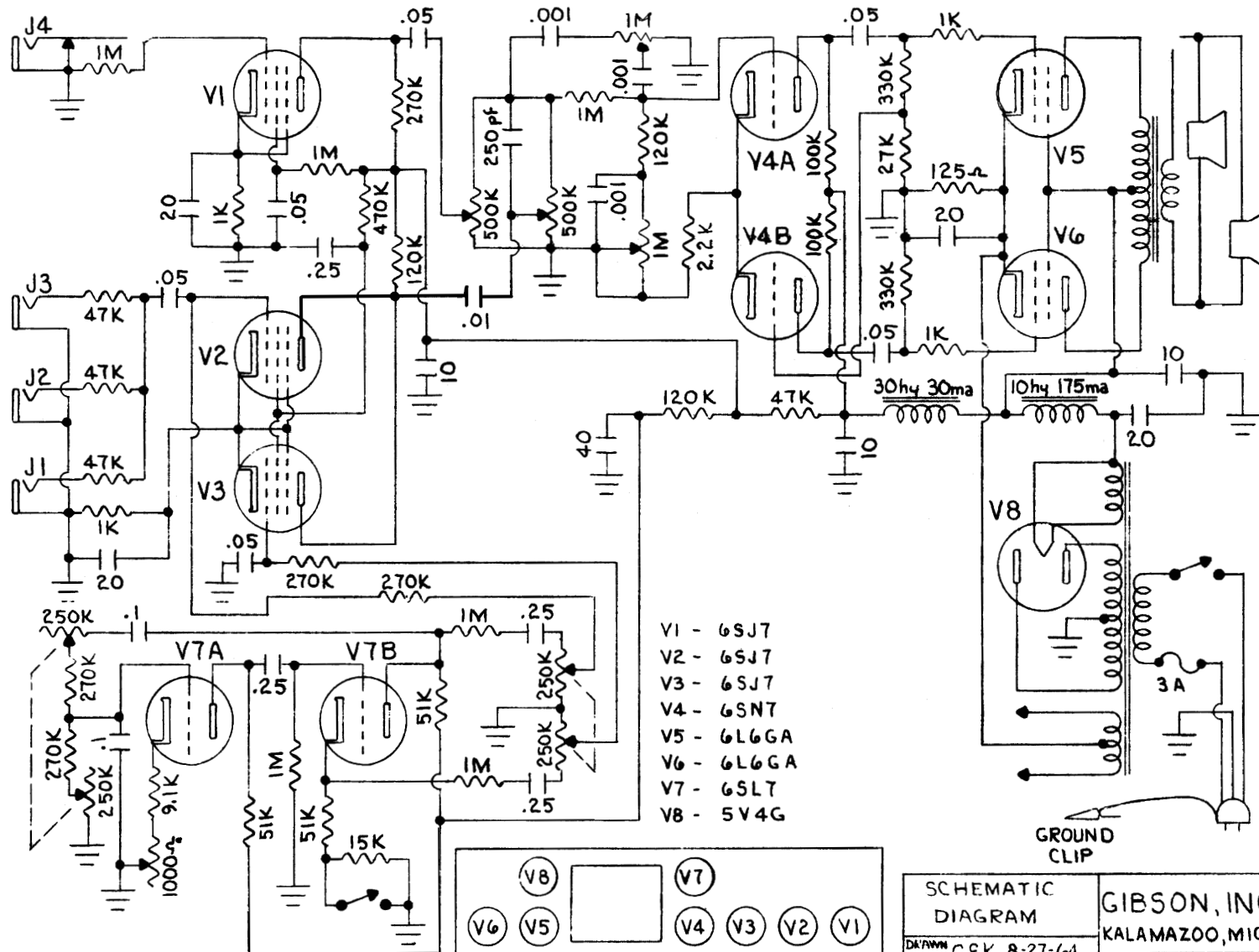
GA-50

Gibson



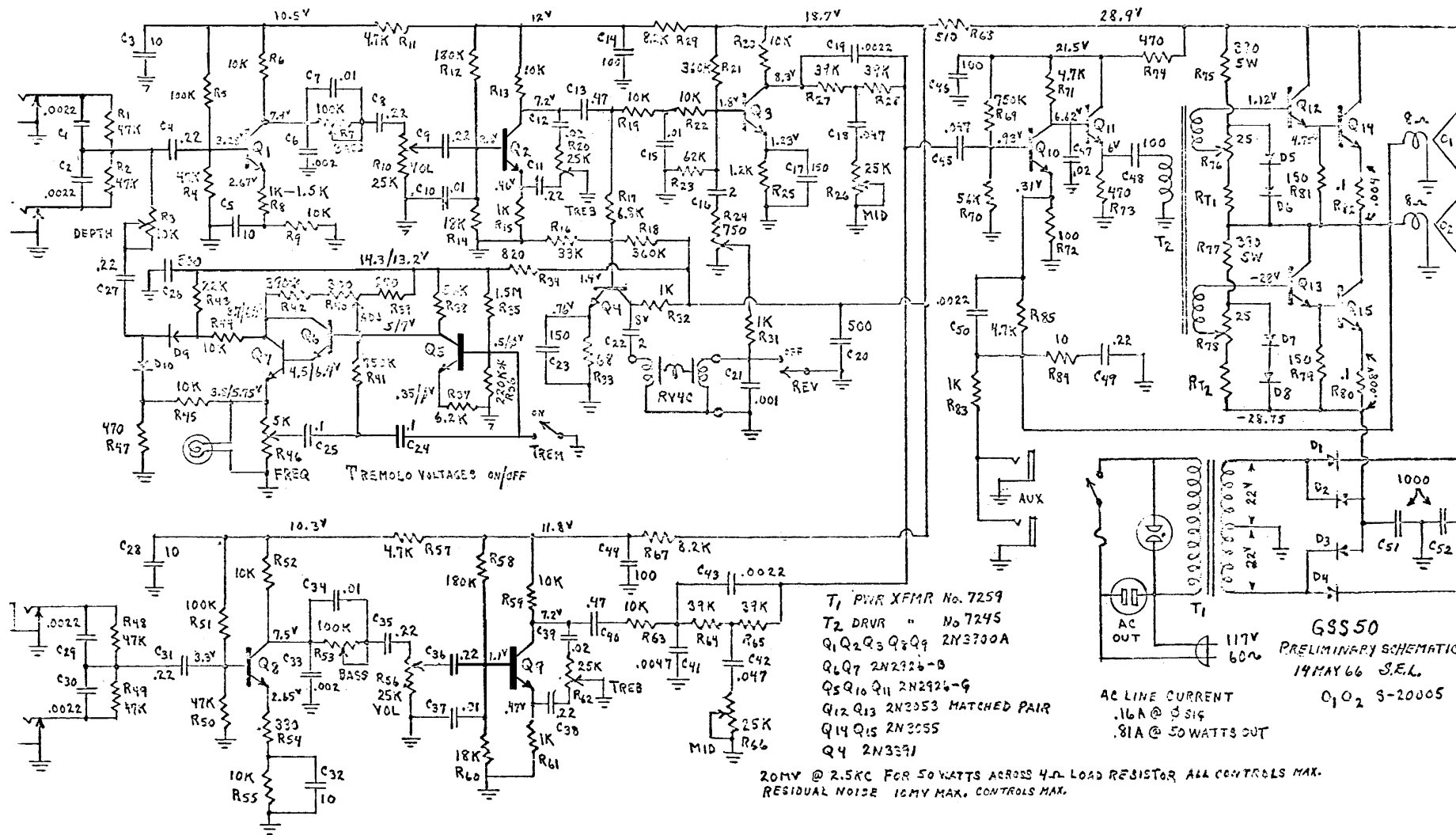
GA-50T

Gibson

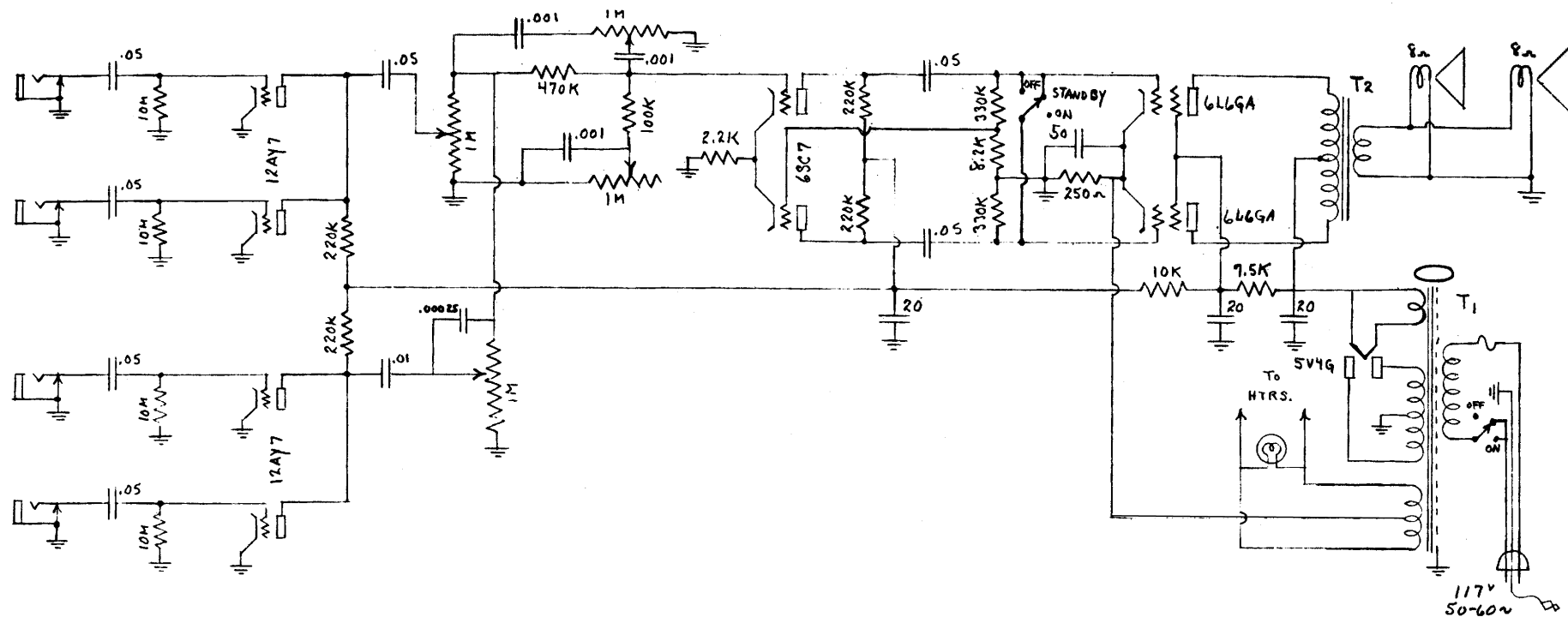


GSS-50

Gibson



GSS 50
PRELIMINARY SCHEMATIC
19 MAY 66 S.E.L.

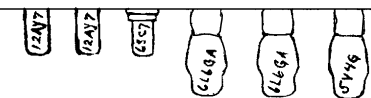


Voltages to Chassis using 20,000 Ω/V meter.

Tube	Use	Plate	Screen	Cathode	Plate	Screen	Cathode
5V4G	Rectifier	300V AC	—	360	300V AC	—	360
6L6GA	OUTPUT	355	305	25	—	—	—
6L6GA	OUTPUT	355	305	25	—	—	—
6SC7	PHASE INVERTER	160	—	1.85	160	—	1.85
12AY7	INST.	40	—	0.0	40	—	0.0
12AY7	Mic	40	—	0.0	40	—	0.0

Normal voltages may vary 20% with normal tubes in resistance
Coupled stages

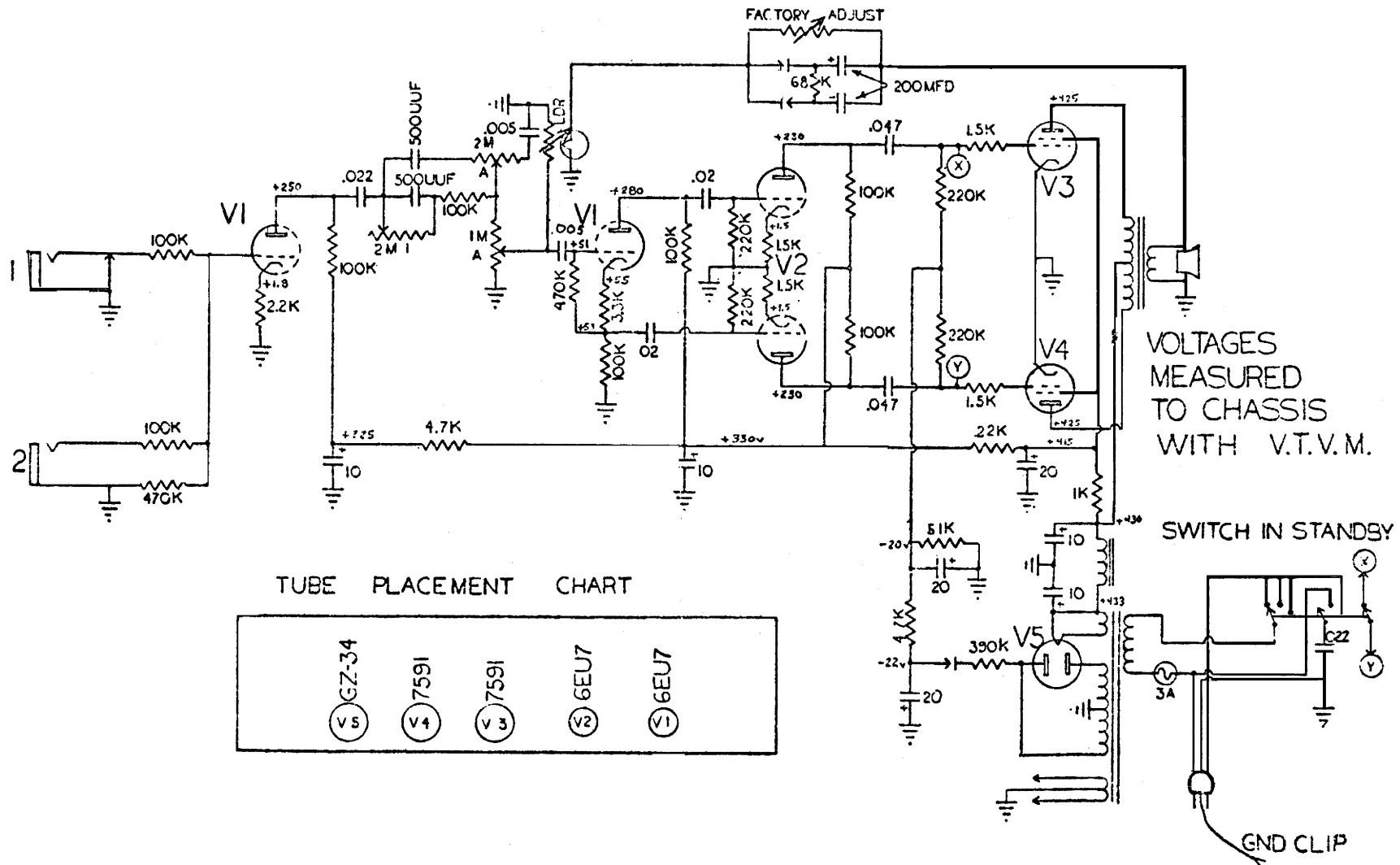
TUBE LAYOUT



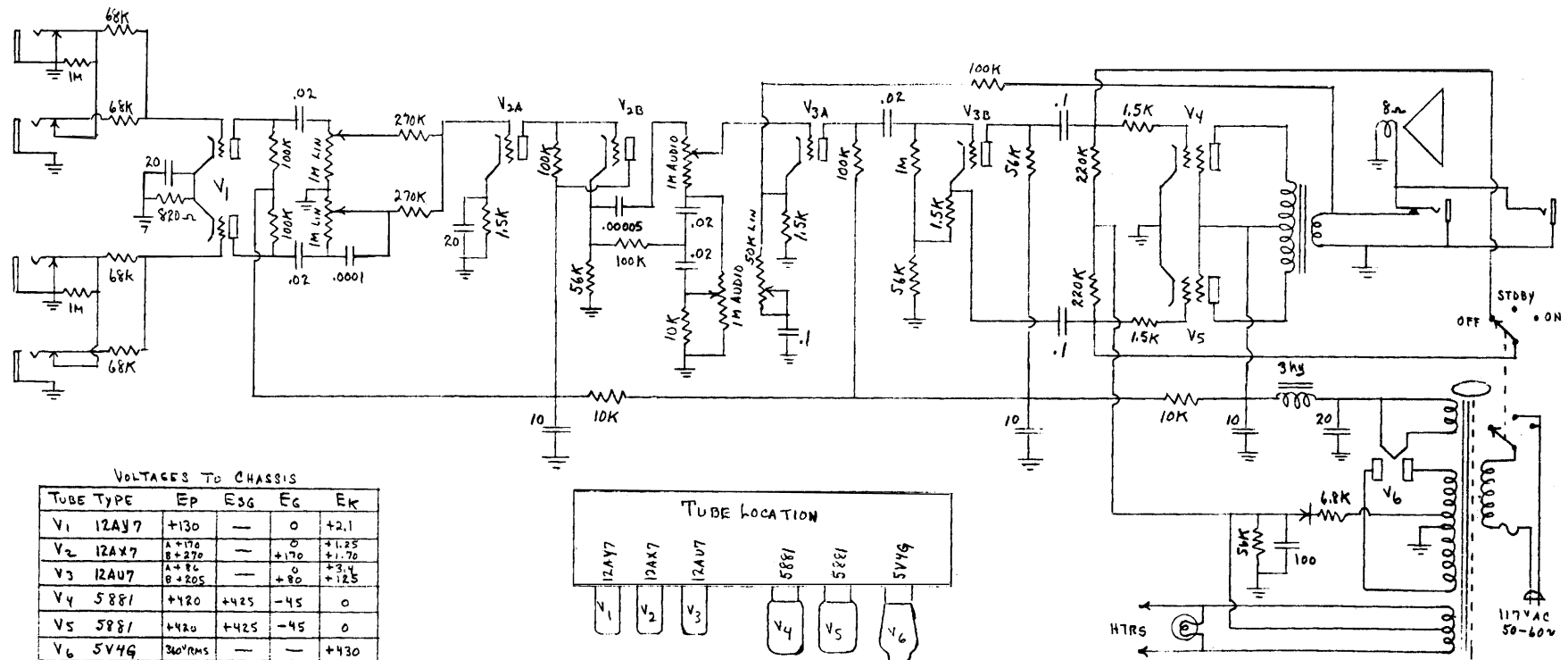
Gibson

[illegible]

GA-60



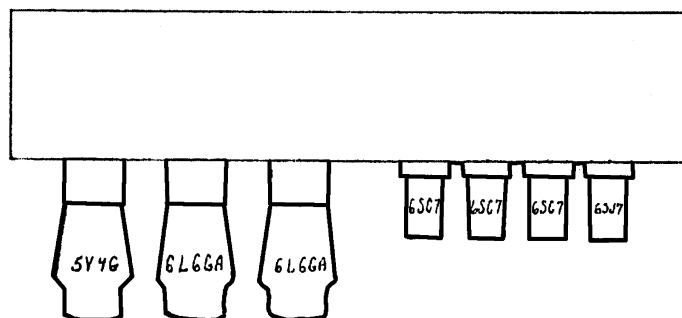
GA-70



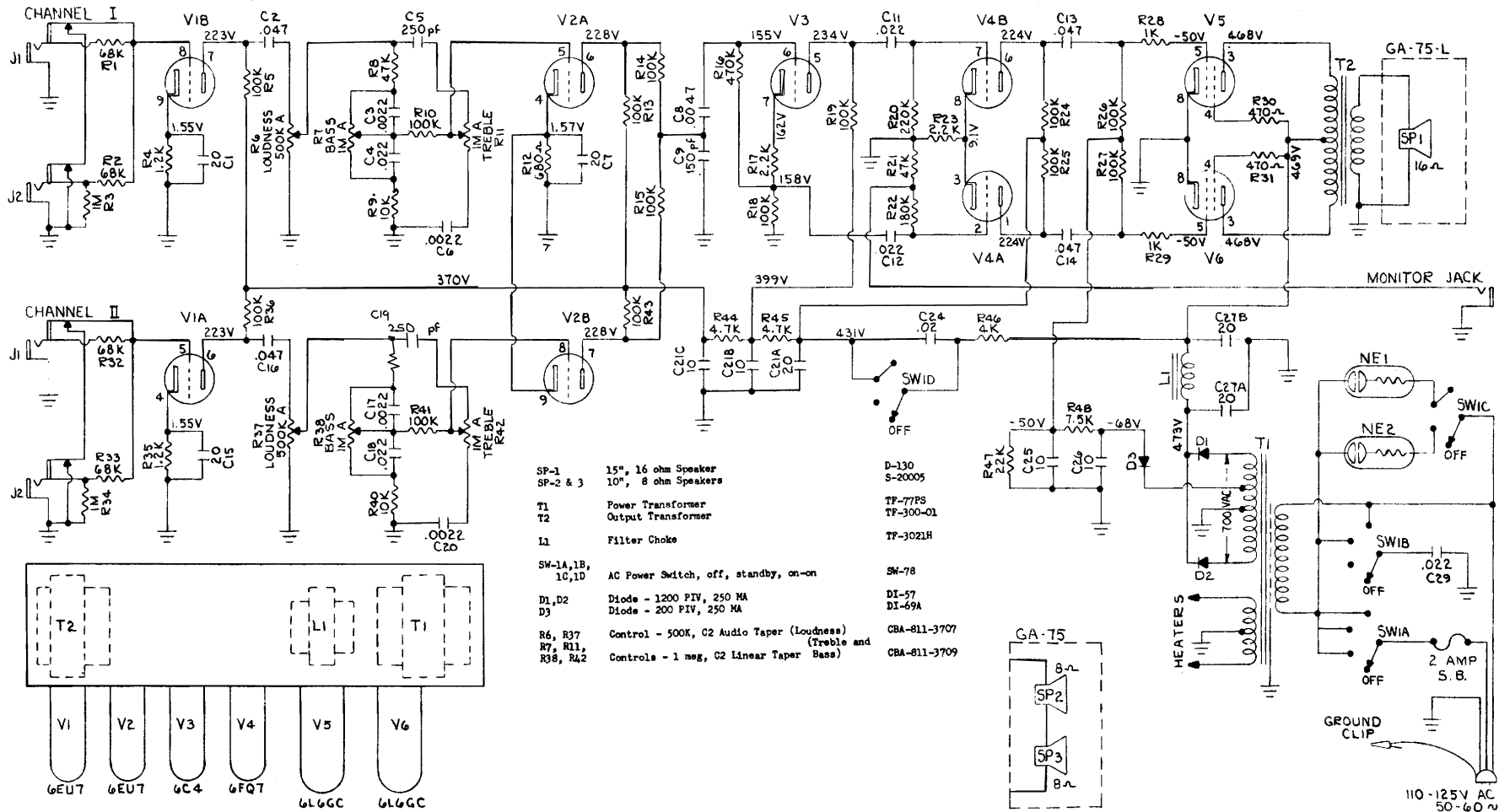
TUBE TYPE	EP	E3G	E _G	E _K
V ₁ 12AY7	+130	—	0	+2.1
V ₂ 12AX7	A +170 B +270	—	0 +170	+1.25 +1.70
V ₃ 12AU7	A +84 B +205	—	0 +80	+3.4 +12.5
V ₄ 5881	+420	+425	-45	0
V ₅ 5881	+420	+425	-45	0
V ₆ 5V4G	300 RMS	—	—	+430

ALL D.C. READING USING 11 Meg VTVM

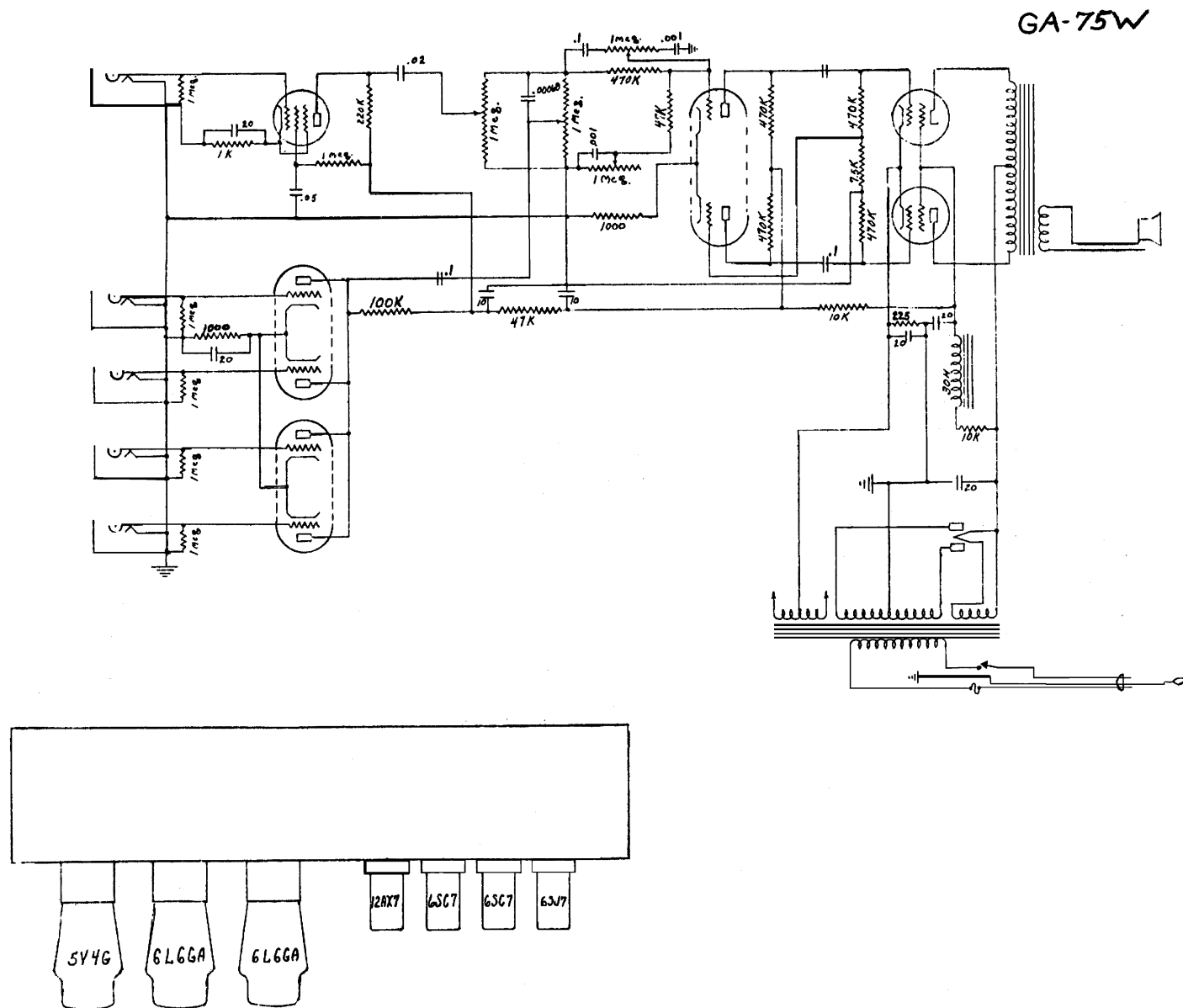
Gibson



GA-75

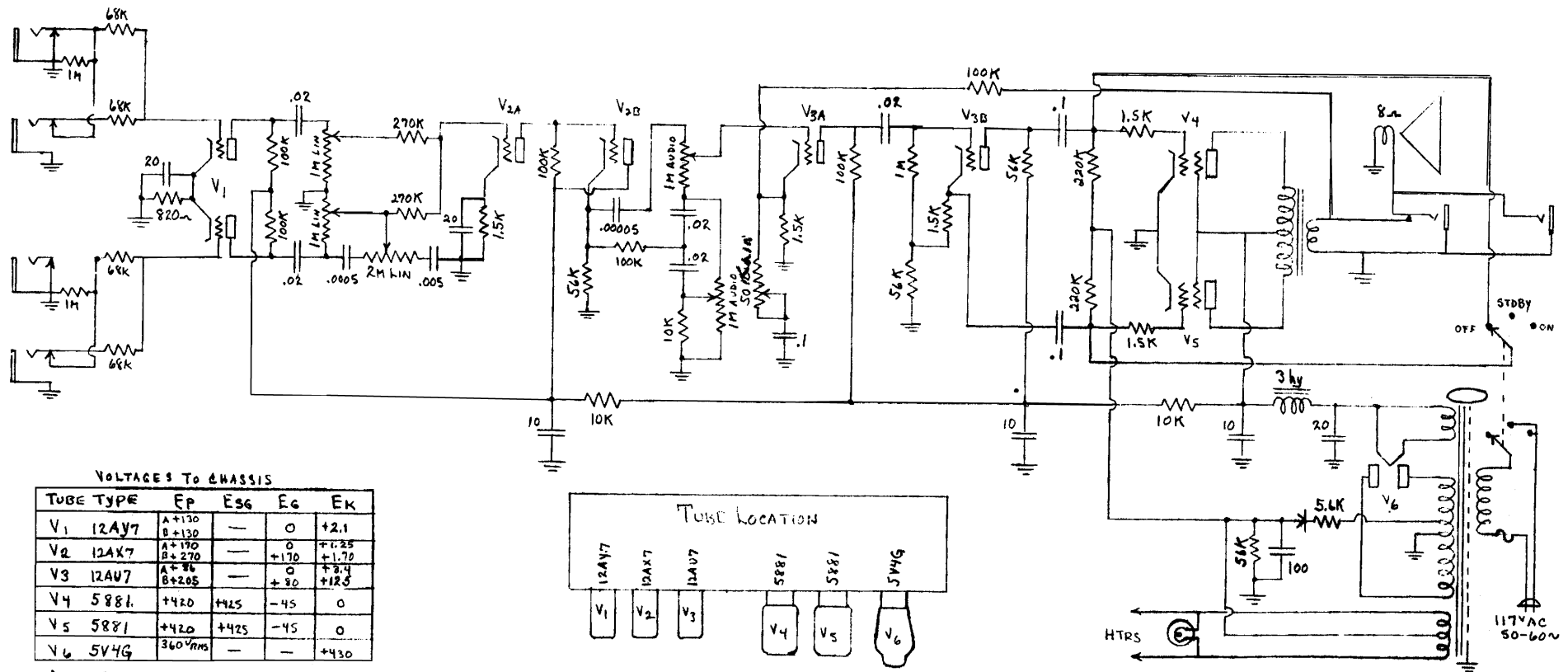


Gibson



GA-77

Gibson



GA-77 Amplifier

1953/54

25w

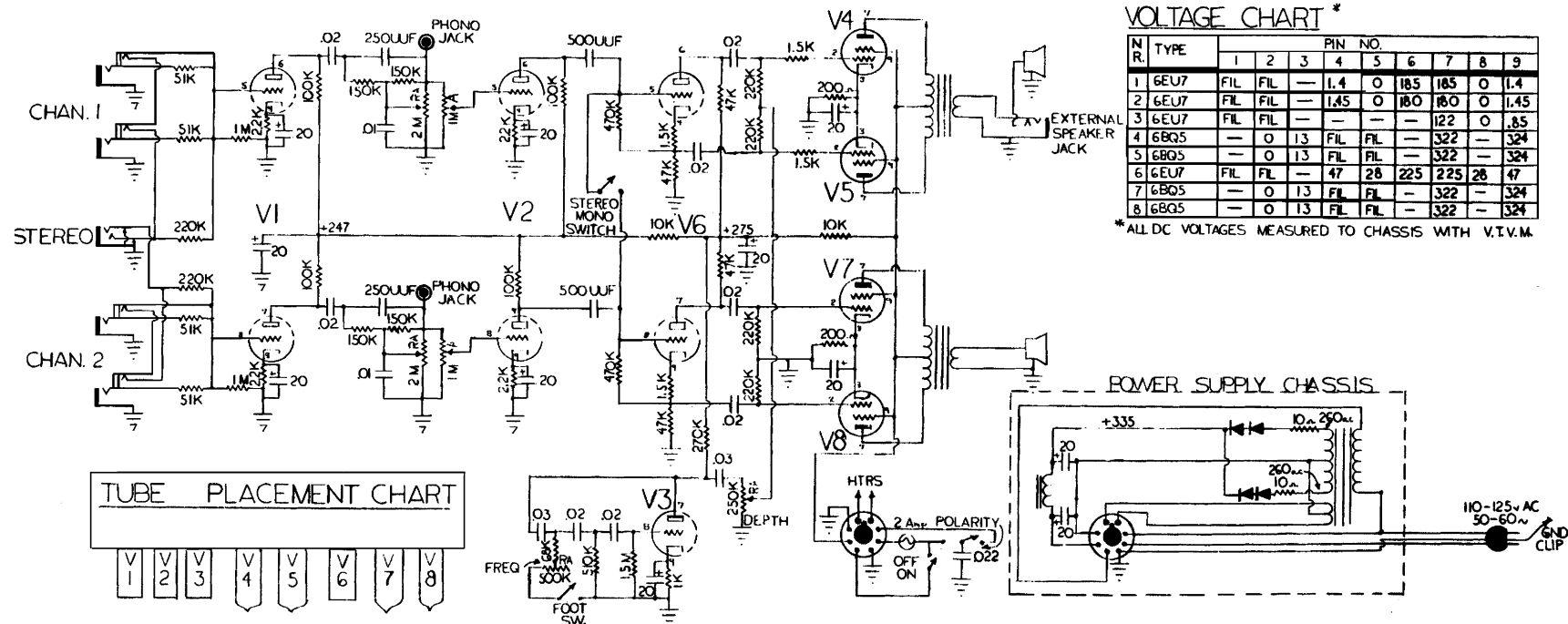
Gibson

[illegible]

Gibson

[illegible]

GA-78

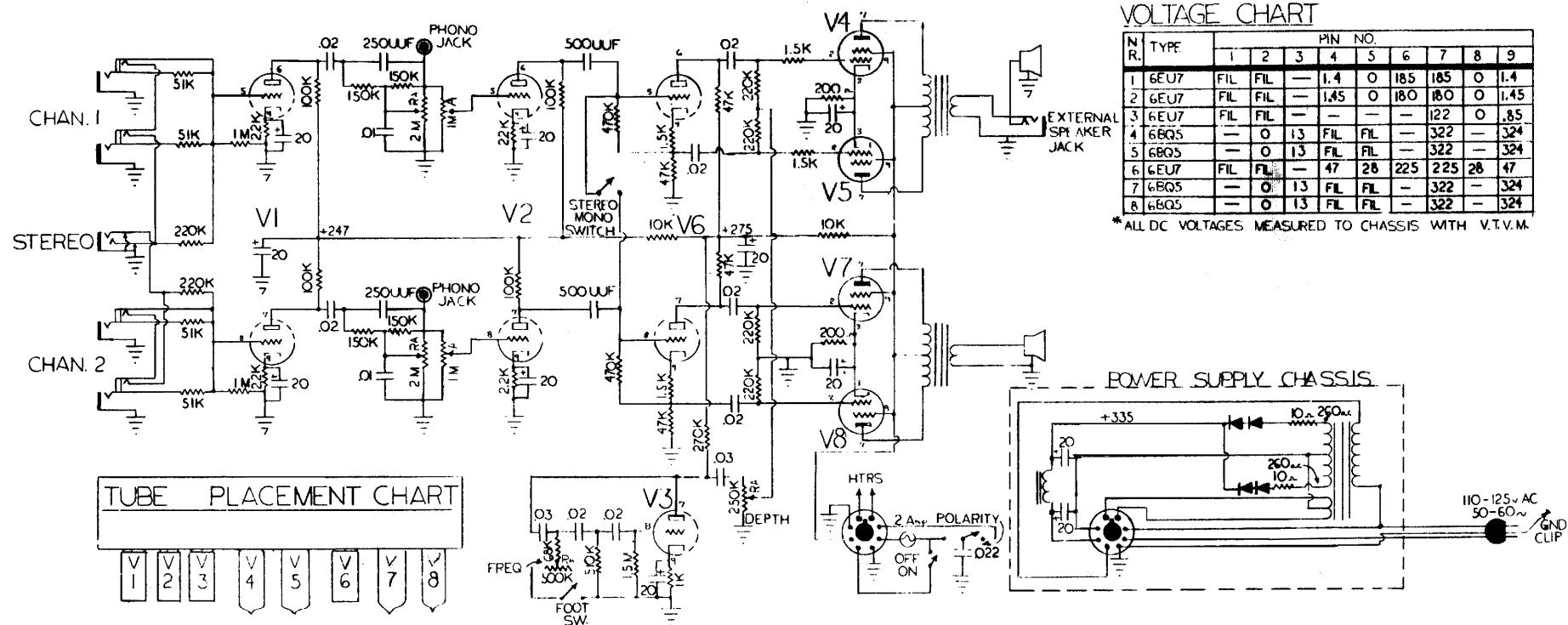


VOLTAGE CHART *

N R.	TYPE	PIN NO.								
		1	2	3	4	5	6	7	8	9
1	6EU7	FIL	FIL	—	1.4	0	185	185	0	1.4
2	6EU7	FIL	FIL	—	1.45	0	180	180	0	1.45
3	6EU7	FIL	FIL	—	—	—	122	0	—	.85
4	6BQ5	—	0	13	FIL	FIL	—	322	—	322
5	6BQ5	—	0	13	FIL	FIL	—	322	—	322
6	6EU7	FIL	FIL	—	47	28	225	225	28	47
7	6BQ5	—	0	13	FIL	FIL	—	322	—	322
8	6BQ5	—	0	13	FIL	FIL	—	322	—	322

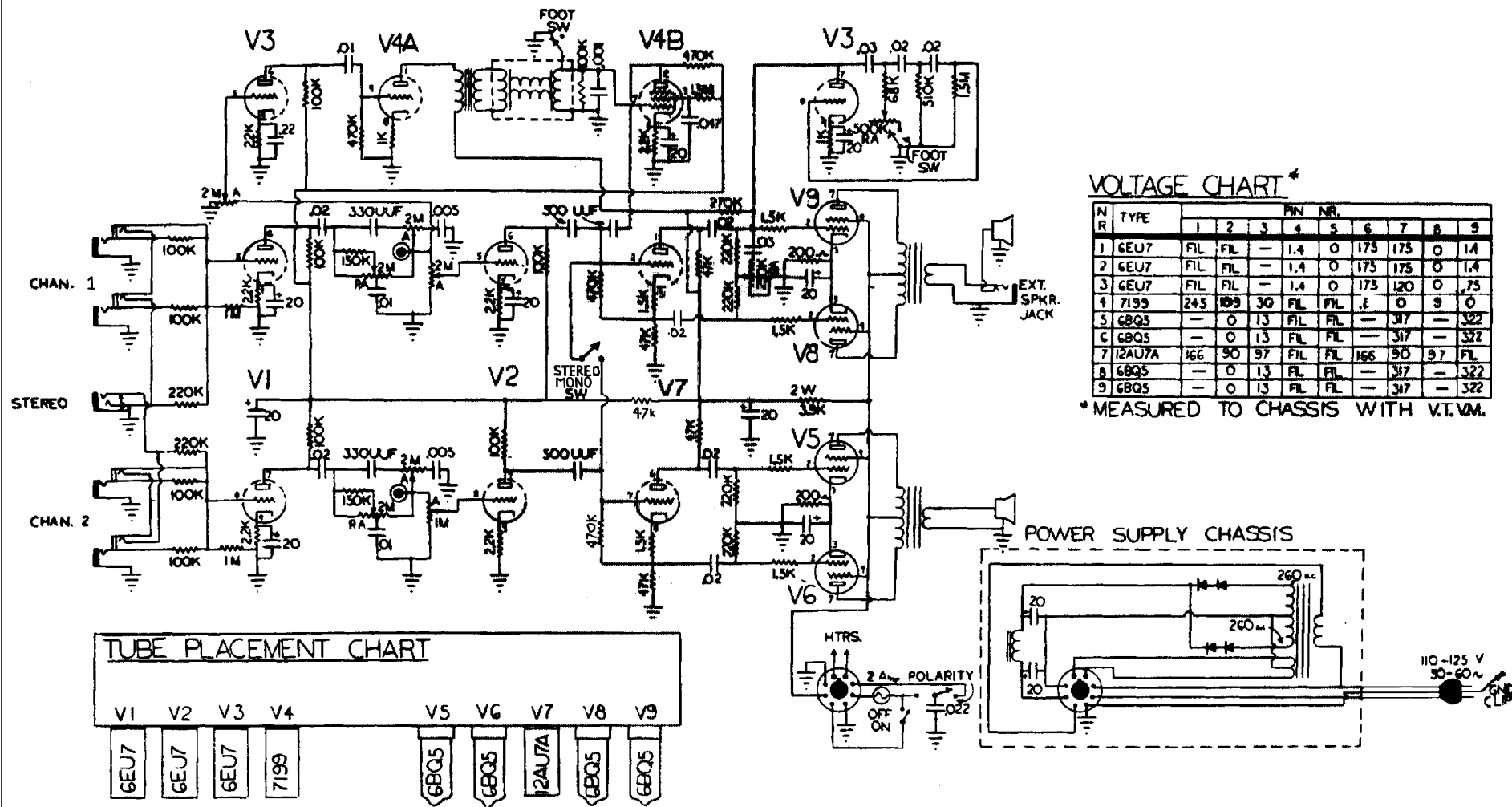
* ALL DC VOLTAGES MEASURED TO CHASSIS WITH V.T.V.M.

GA-79

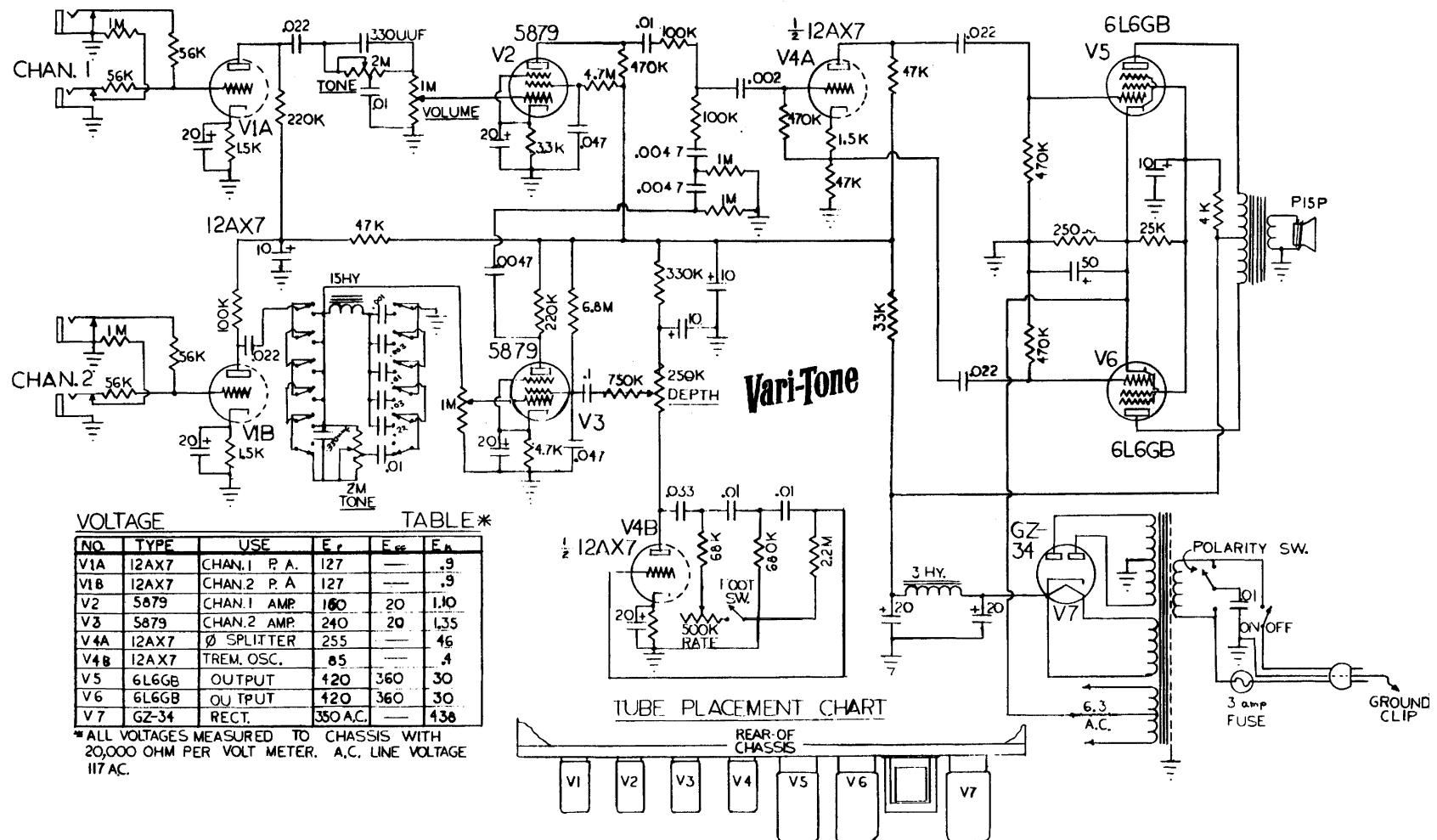


GA-79RVT

Gibson



GA-80



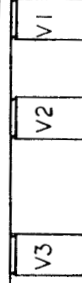
Gibson



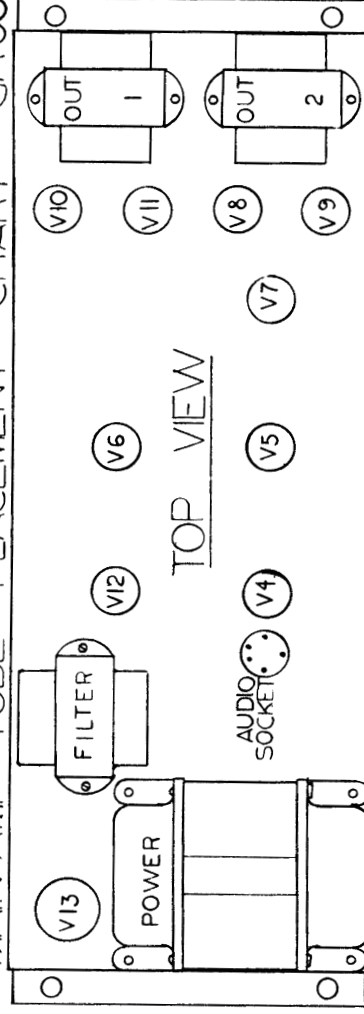
No.	Tube Type	P _{in1}	P _{in2}	P _{in3}	P _{in6}	P _{in7}	P _{in8}
V1	12AX7	157	0	1.8	157	0	1.8
V2	12AX7	117	0	1.05	117	0	1.05
V3	12AX7	105	0	1.05	105	0	1.05

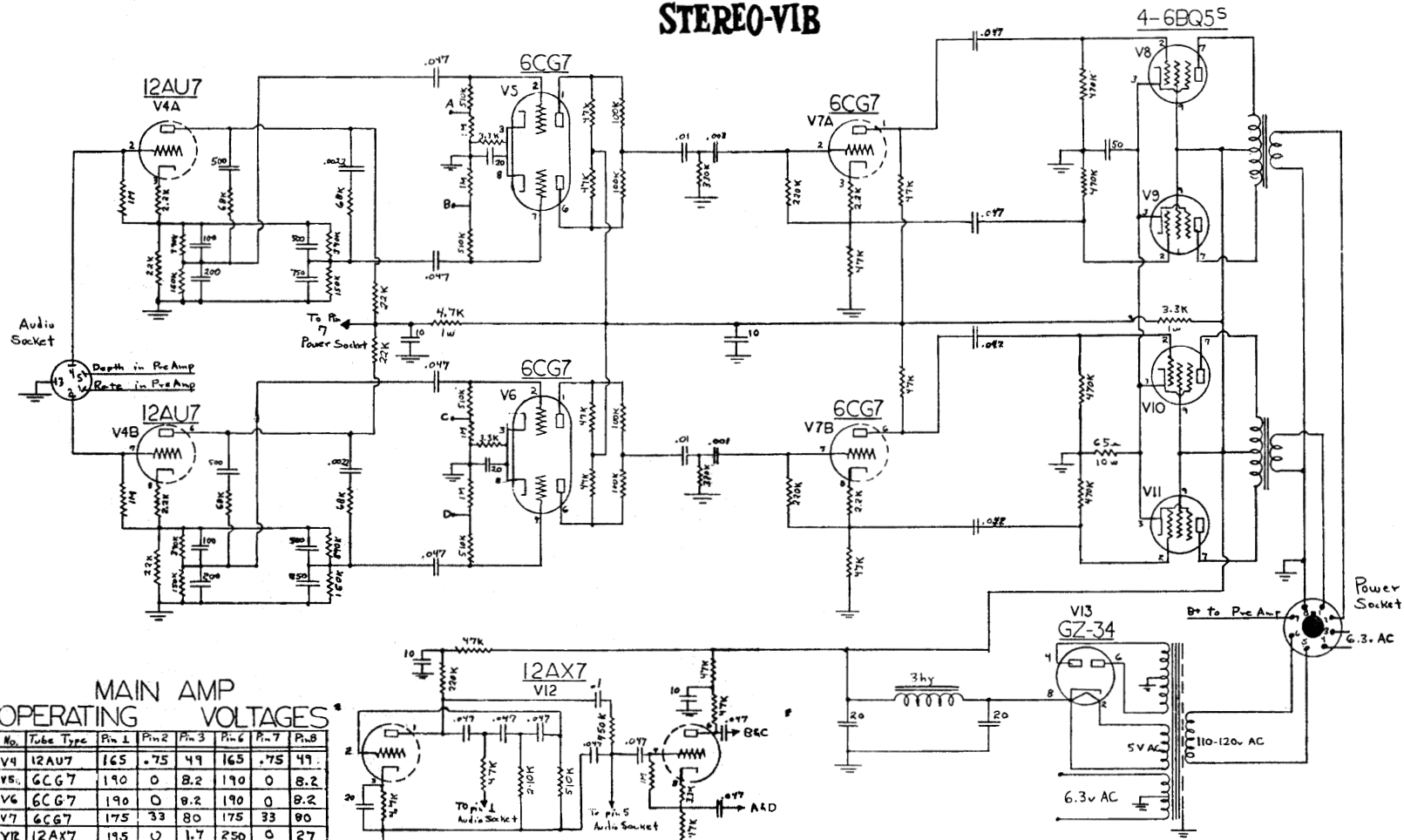
PREAMP TUBE PLACEMENT CHART G483S

REAR OF CHASSIS



MAIN-AMP TUBE PLACEMENT CHART GA 83S



STEREO-VIB**MAIN AMP
OPERATING
VOLTAGES ***

No.	Tube Type	Pin 1	Pin 2	Pin 3	Pin 6	Pin 7	Pin 8
V4	12AU7	165	.75	49	165	.75	49
V5	6CG7	190	0	8.2	190	0	8.2
V6	6CG7	190	0	8.2	190	0	8.2
V7	6CG7	175	33	80	175	33	80
V12	12AX7	195	0	1.7	250	0	27
		Pin 2	Pin 3	Pin 4	Pin 6	Pin 7	Pin 8
V8	6BQ5	0	10.8	—	308	—	315
V9	6BQ5	0	10.8	—	308	—	315
V10	6BQ5	0	10.8	—	308	—	315
V11	6BQ5	0	10.8	—	308	—	315
V13	GZ-34	5 AC	—	310 AC	310 AC	—	322

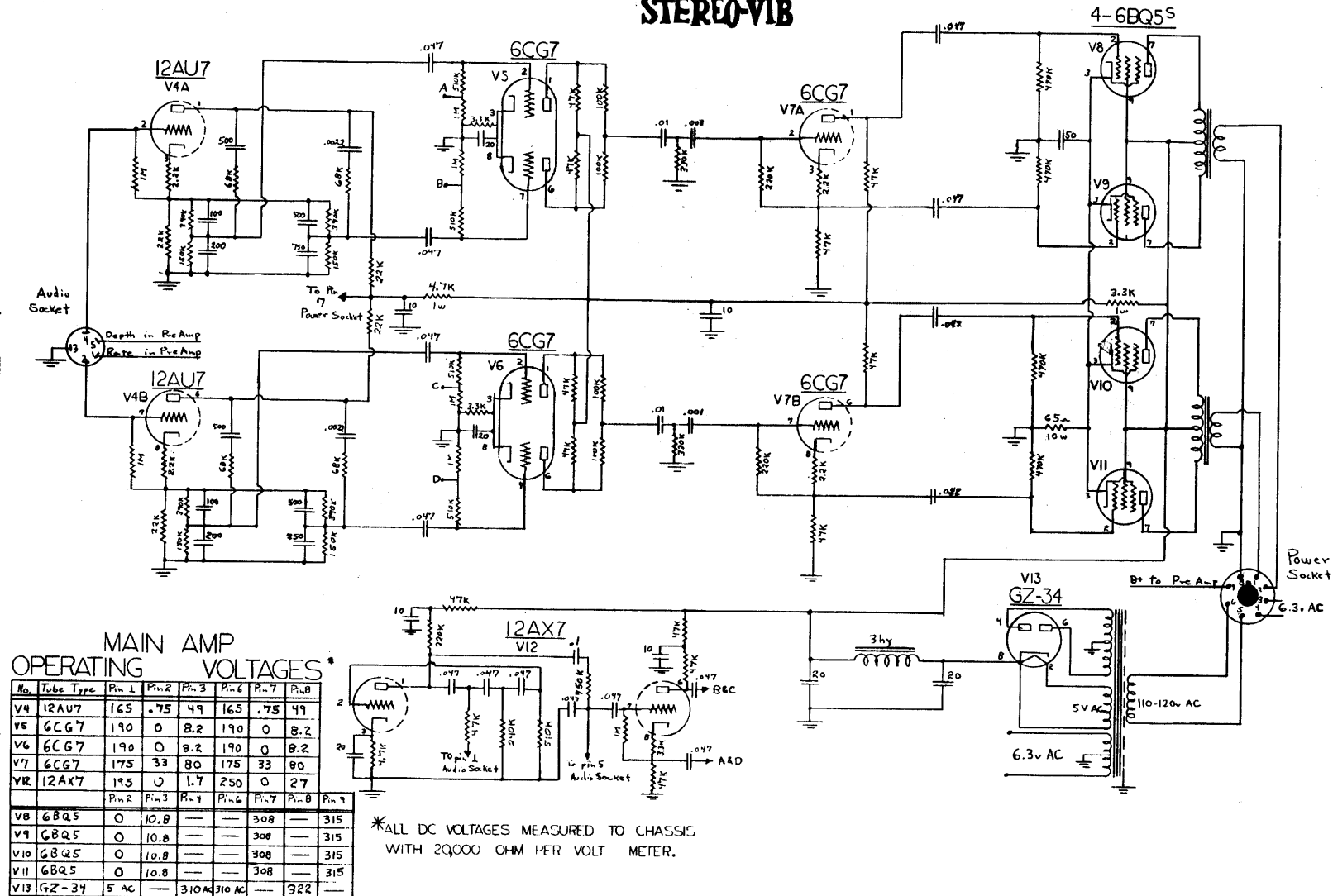
*ALL DC VOLTAGES MEASURED TO CHASSIS
WITH 20000 OHM PER VOLT METER.

(- JUNE 1959 -)
GIVE TO KEITH L.)

GA-83S STEREO-VIB (PWR AMP)

Gibson

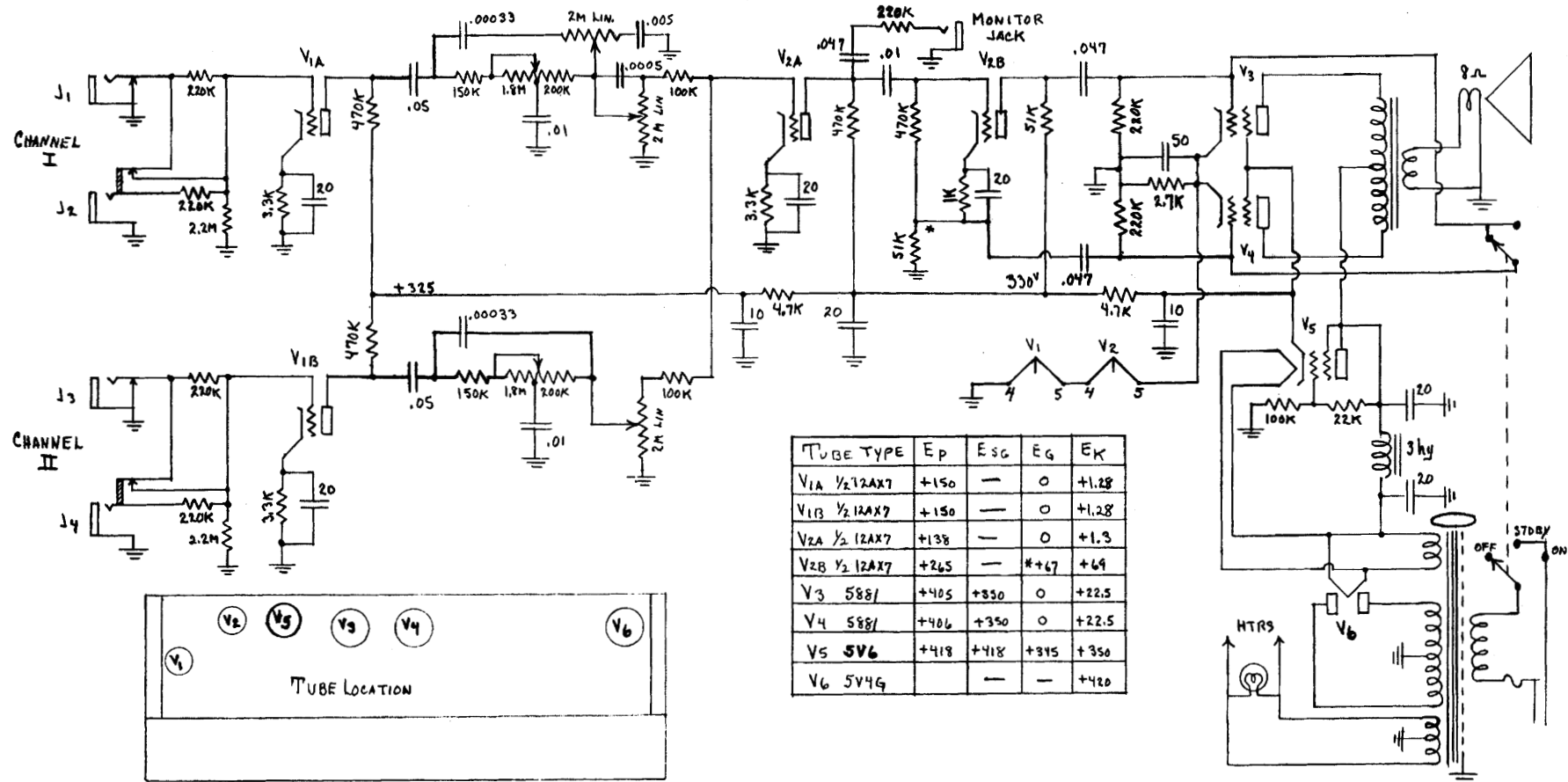
GA-83S STEREO-VIB



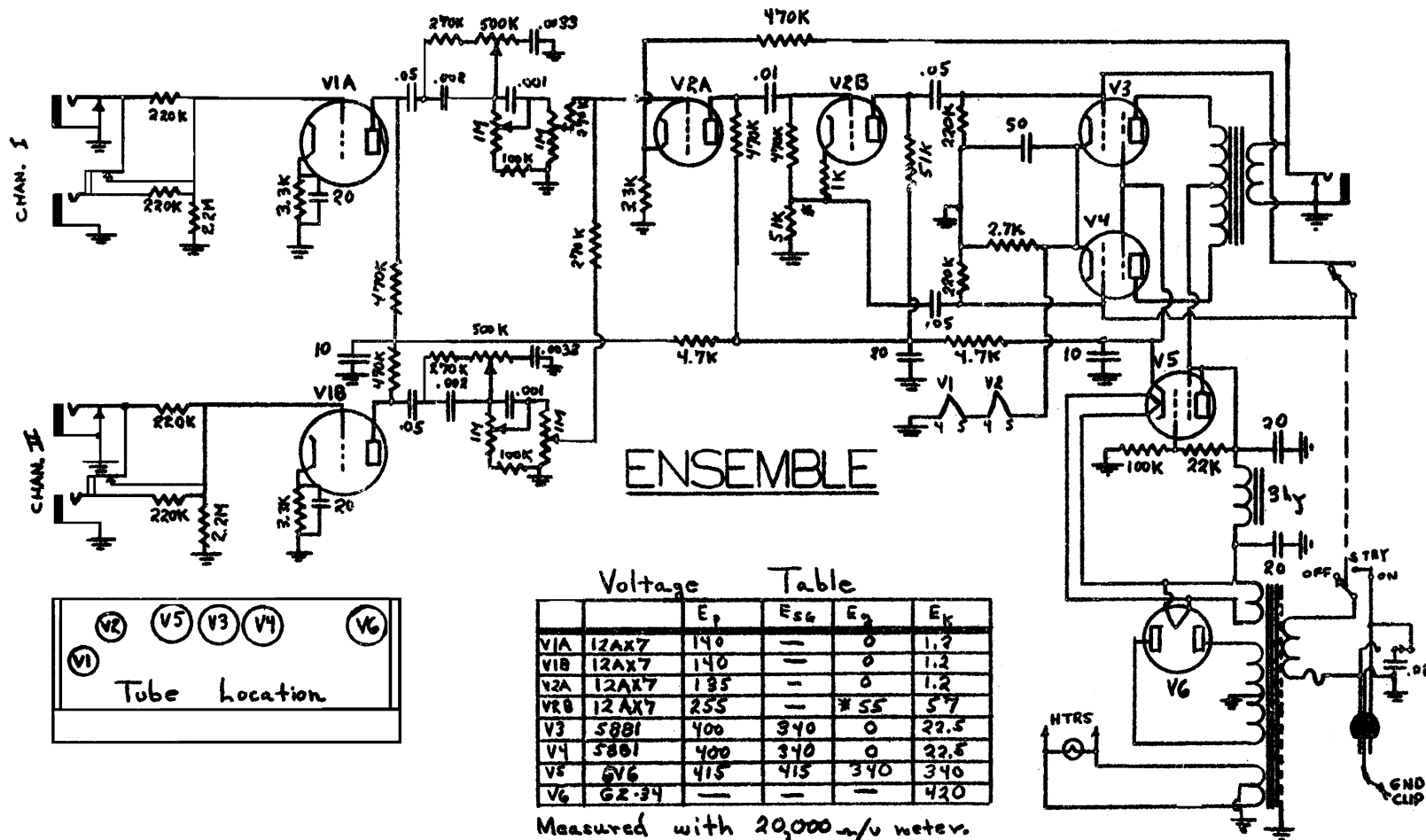
GA-85

Gibson

GA-85



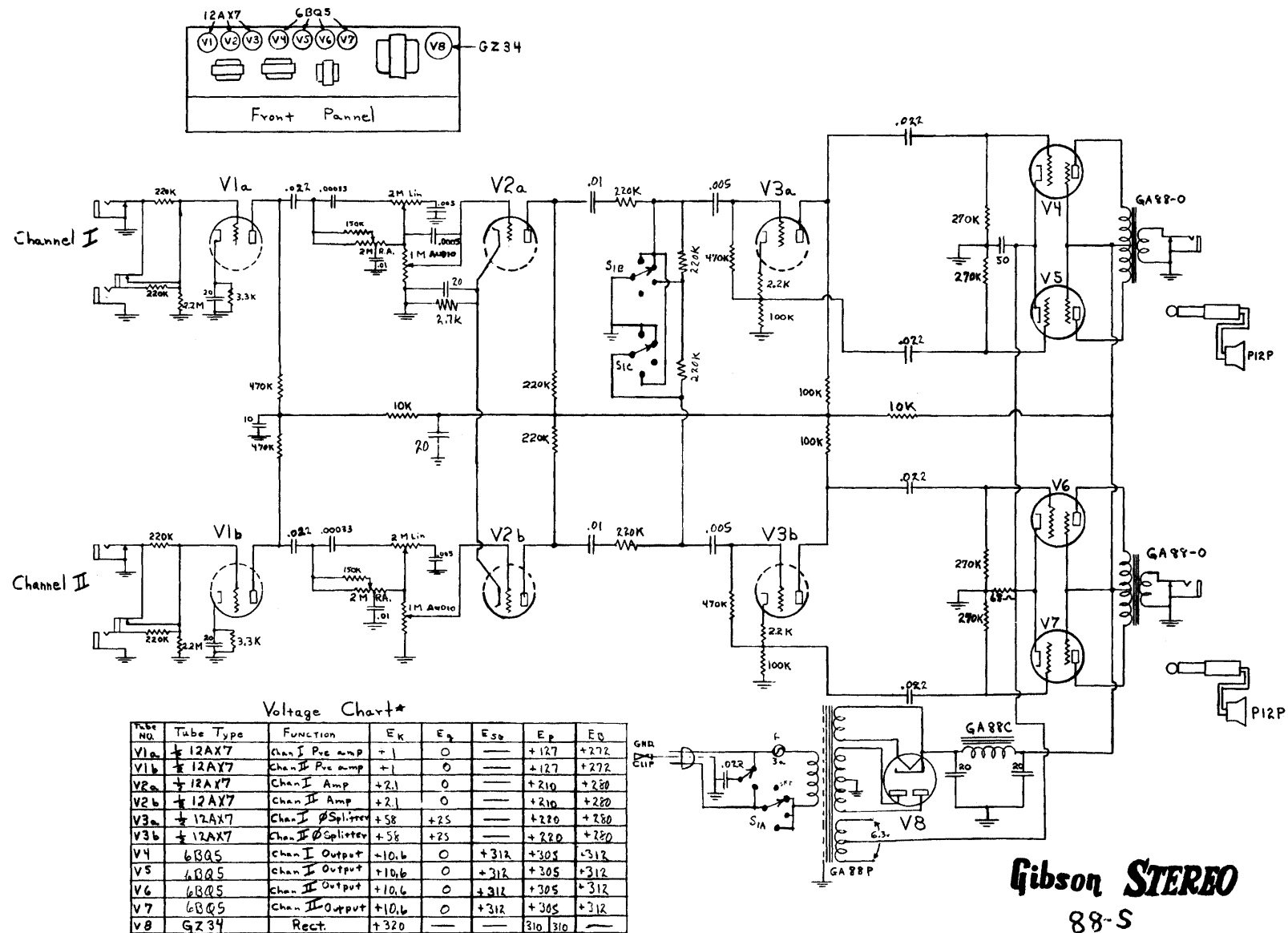
GA 86

**GIBSON**
INC

Schematic	Diagram
Drawn by JEP	Checked by
Date: 6 May 60	

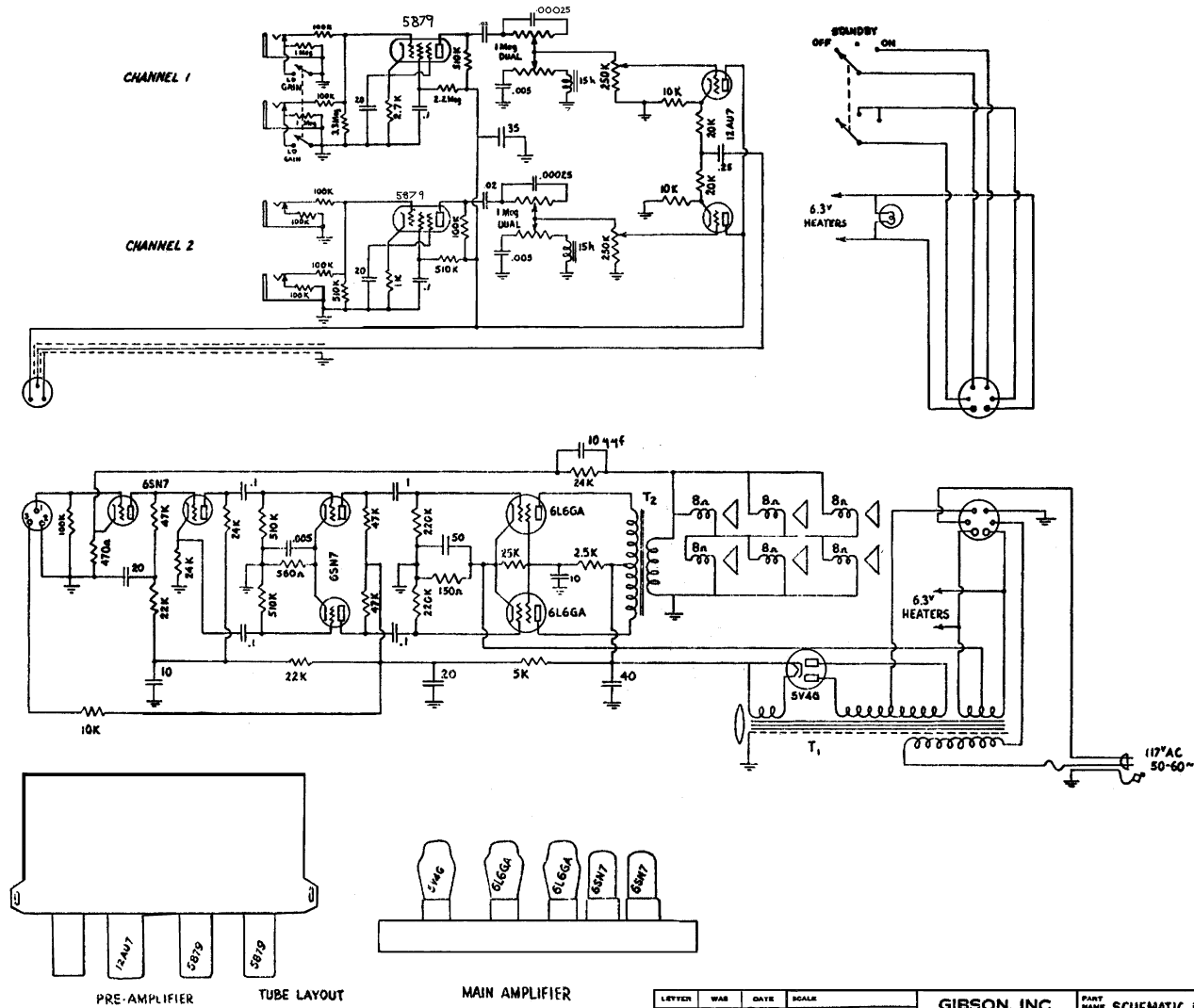
GA-88S

Gibson



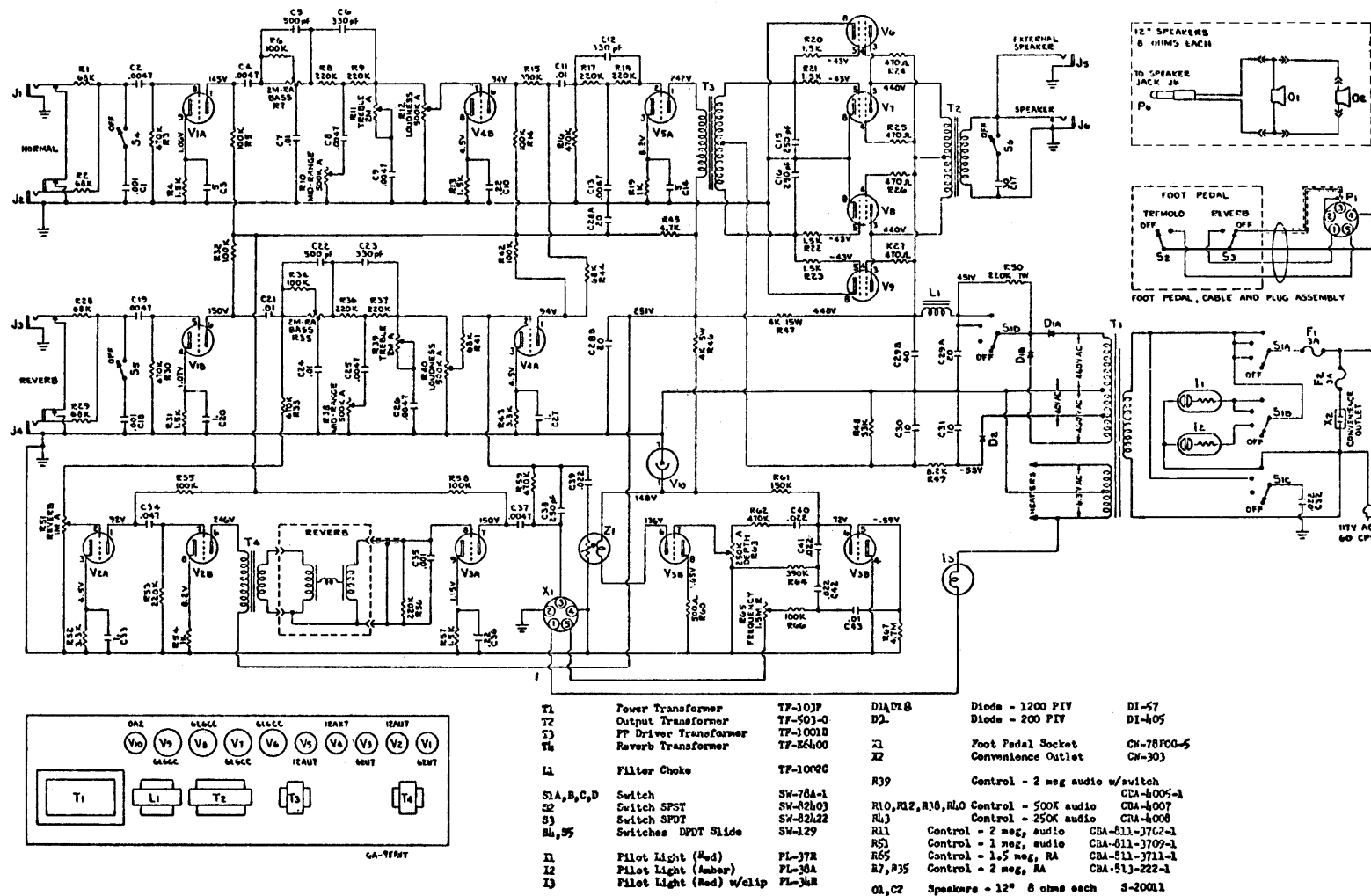
GA-90

Gibson

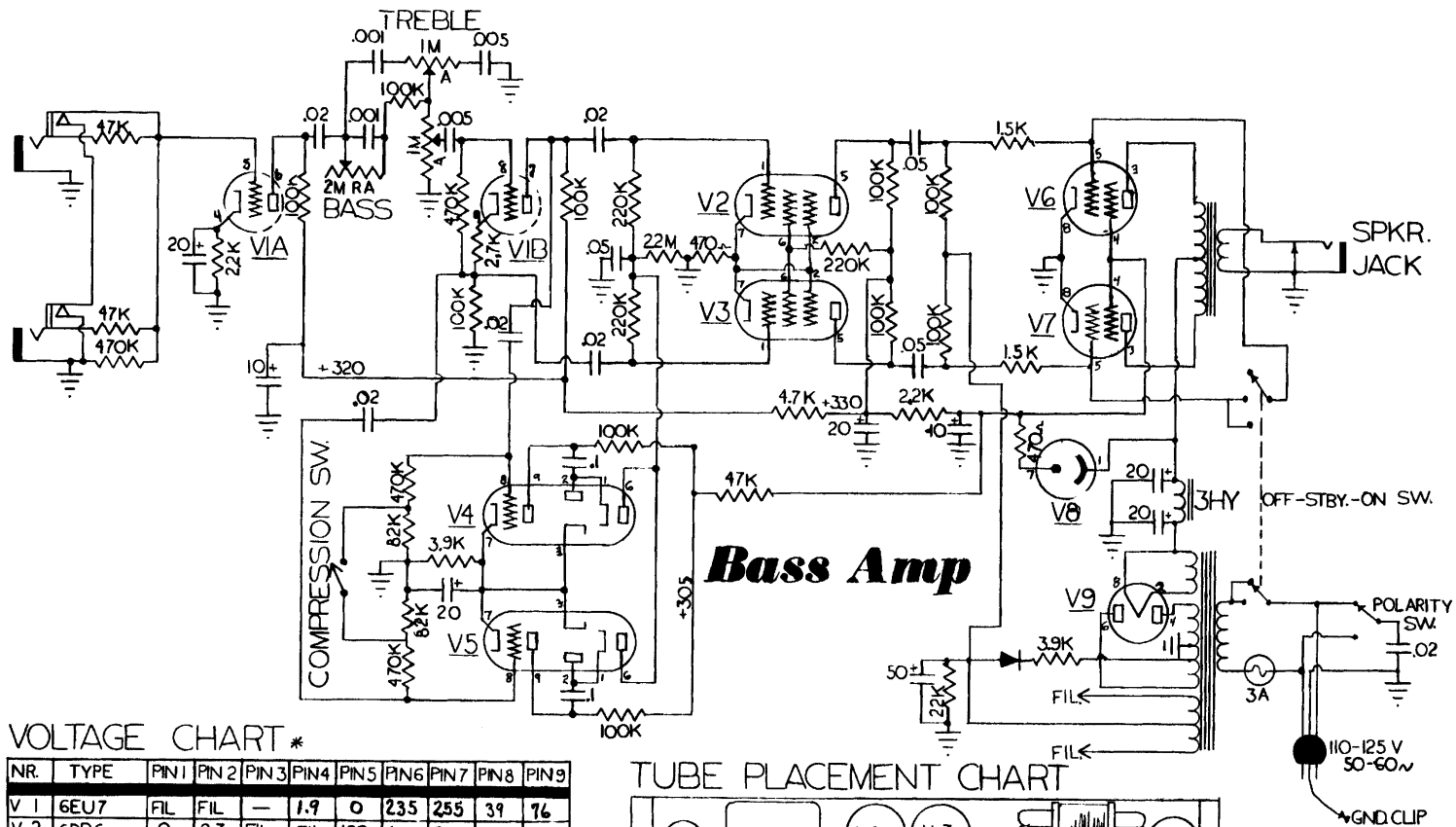


LETTER	WAS	DATE	SCALE	GIBSON, INC.	PART NAME
			NO. REQ.	KALAMAZOO, MICH.	SCHEMATIC DIAGRAM GA 90
			HEAT TREAT.		KIND
			FINISH		MATERIAL
			DRAWN S.E.L. CHECKED	DATE 18 AUG. 53	AMOUNT MATERIAL

GA-95 "APOLLO"



GA-100

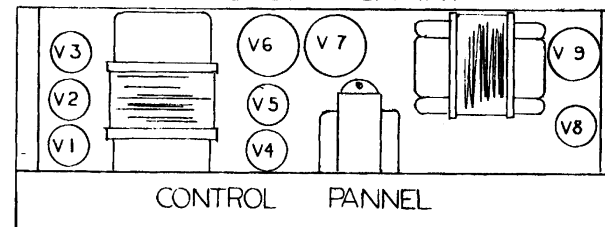


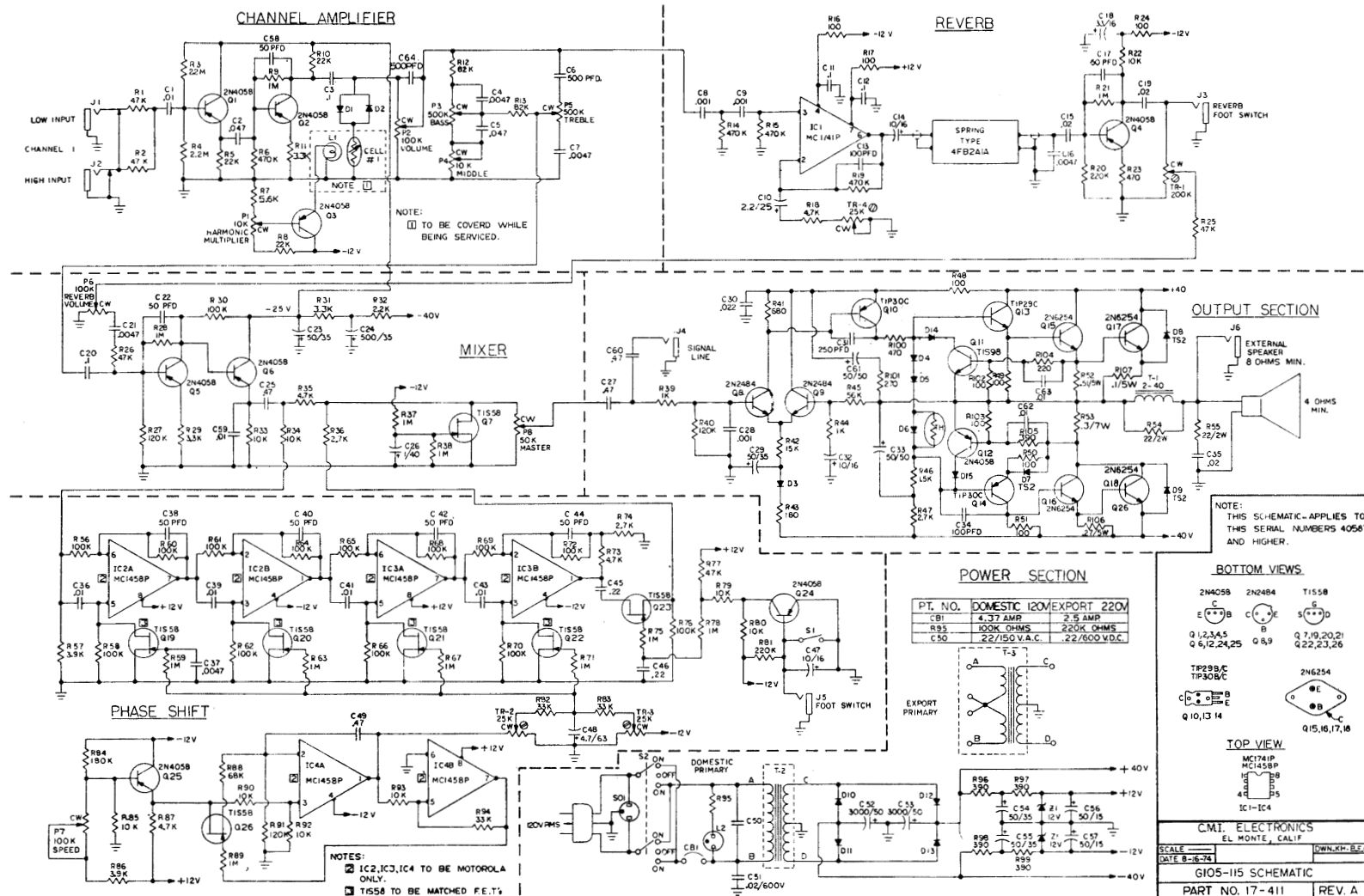
VOLTAGE CHART *

NR.	TYPE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9
V 1	6EU7	FIL	FIL	—	1.9	0	235	255	39	76
V 2	6BD6	0	2.7	FIL	FIL	120	45	2.7	—	—
V 3	6BD6	0	2.7	FIL	FIL	120	45	2.7	—	—
V 4	6FM8	1.6	1.6	3.8	FIL	FIL	0	3.8	0	260
V 5	6FM8	1.6	1.6	3.8	FIL	FIL	0	3.8	0	260
V 6	6L6 GC	GND	FIL	423	345	-38	—	FIL	GND	—
V 7	6L6 GC	GND	FIL	423	345	-38	—	FIL	GND	—
V 8	OC2	425	—	—	—	—	—	350	—	—
V 9	GZ 34	GND	FIL	—	350 _{ac}	—	350 _{ac}	430	—	—

* ALL DC VOLTAGES MEASURED TO CHASSIS WITH V.T.V.M.

TUBE PLACEMENT CHART

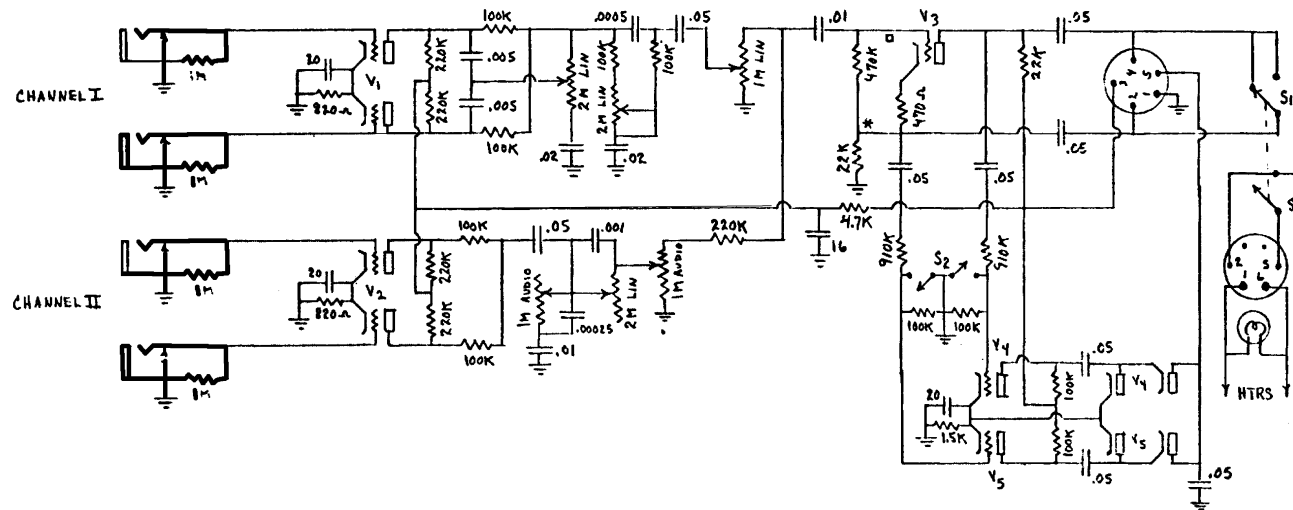




Replaced
2N2484's
Marty Ellis 8/27/77

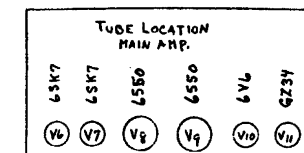
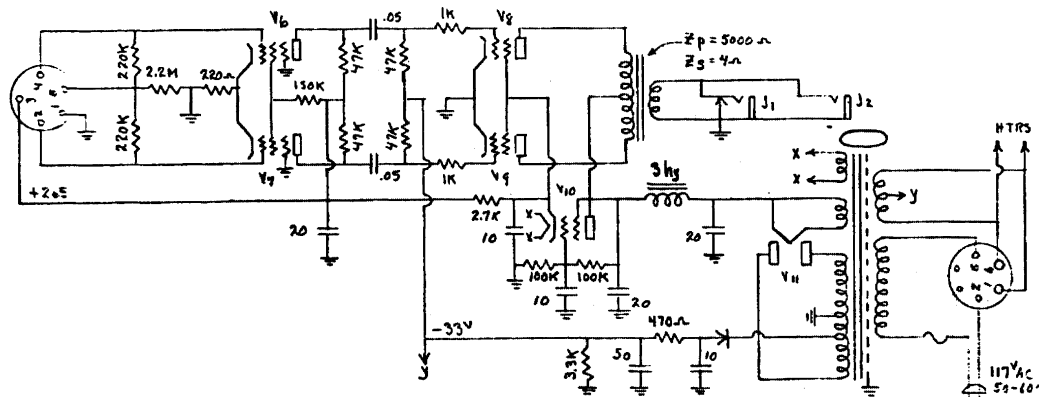
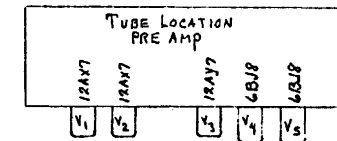
GIBSON
MODEL # G105

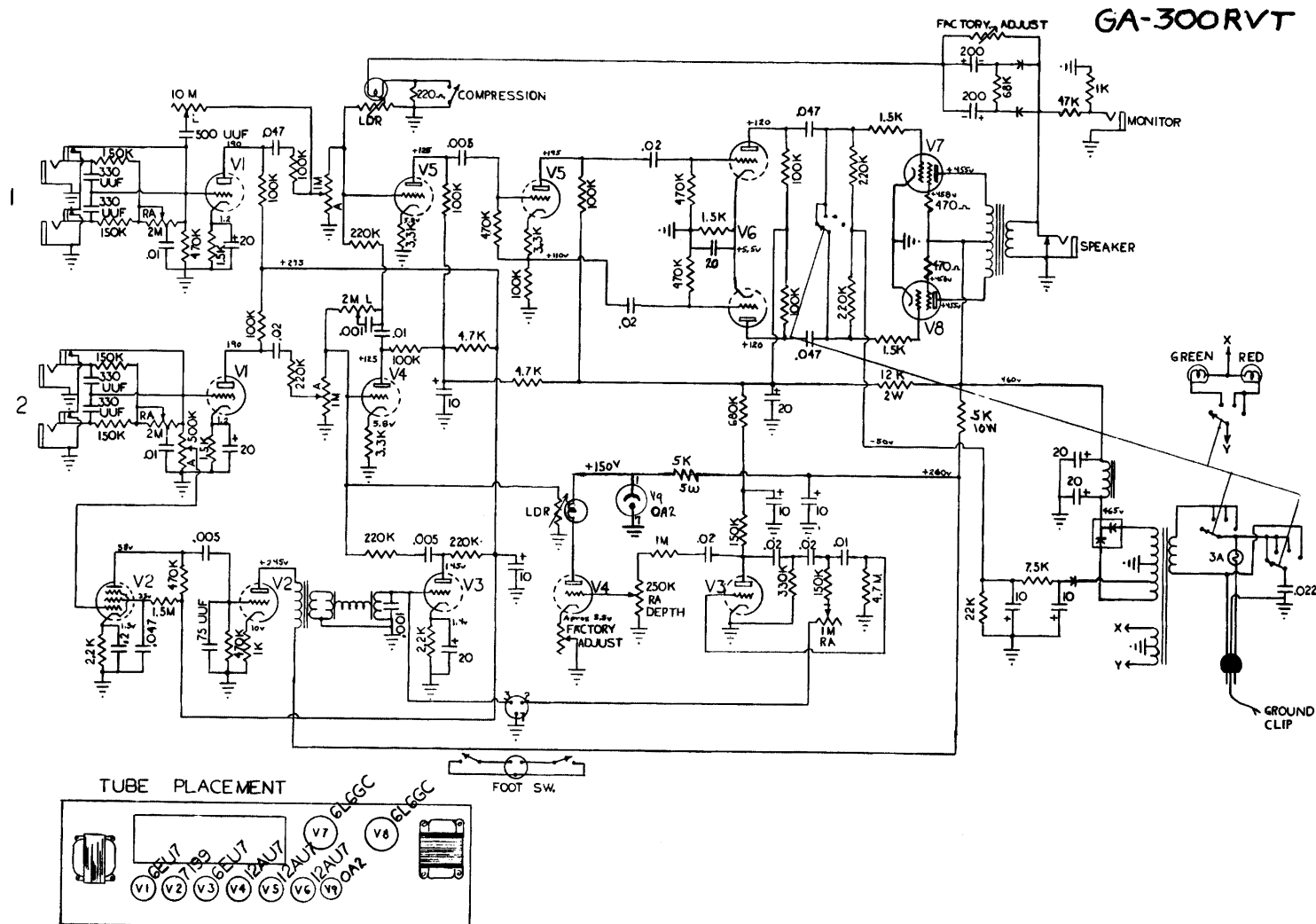
GA-200



Tube	Type	use	E_p	E_{s2}	E_6	E_K
V1	12AY7	CHAN. I PREAMP	+135	—	0	+1.15
V2	"	" II " "	+120	—	0	+1.1
V3	12AY7	PHASE SPLITTER	+210	—	+280 +280	+64
V4	6DJ8	COMP. AMP. + RECT.	+110	—	0	+4.9
V5	"	" " " "	+110	—	0	+4.9
V6	6SK7	DRIVER + COMP.	+145	+42	-1	+1.5
V7	"	" " " "	+145	+42	-1	+1.5
V8	6SS0	POWER AMP	+570	+300	-93	0
V9	"	" " " "	+570	+300	-33	0
V10	V46	VOLTAGE REG.	+570	+570	+285	+300
V11	CZ34	RECTIFIER	170' RMS	—	—	+580

ALL DC READING'S WITH 11 MEG VTVM MEASURED TO CHASSIS





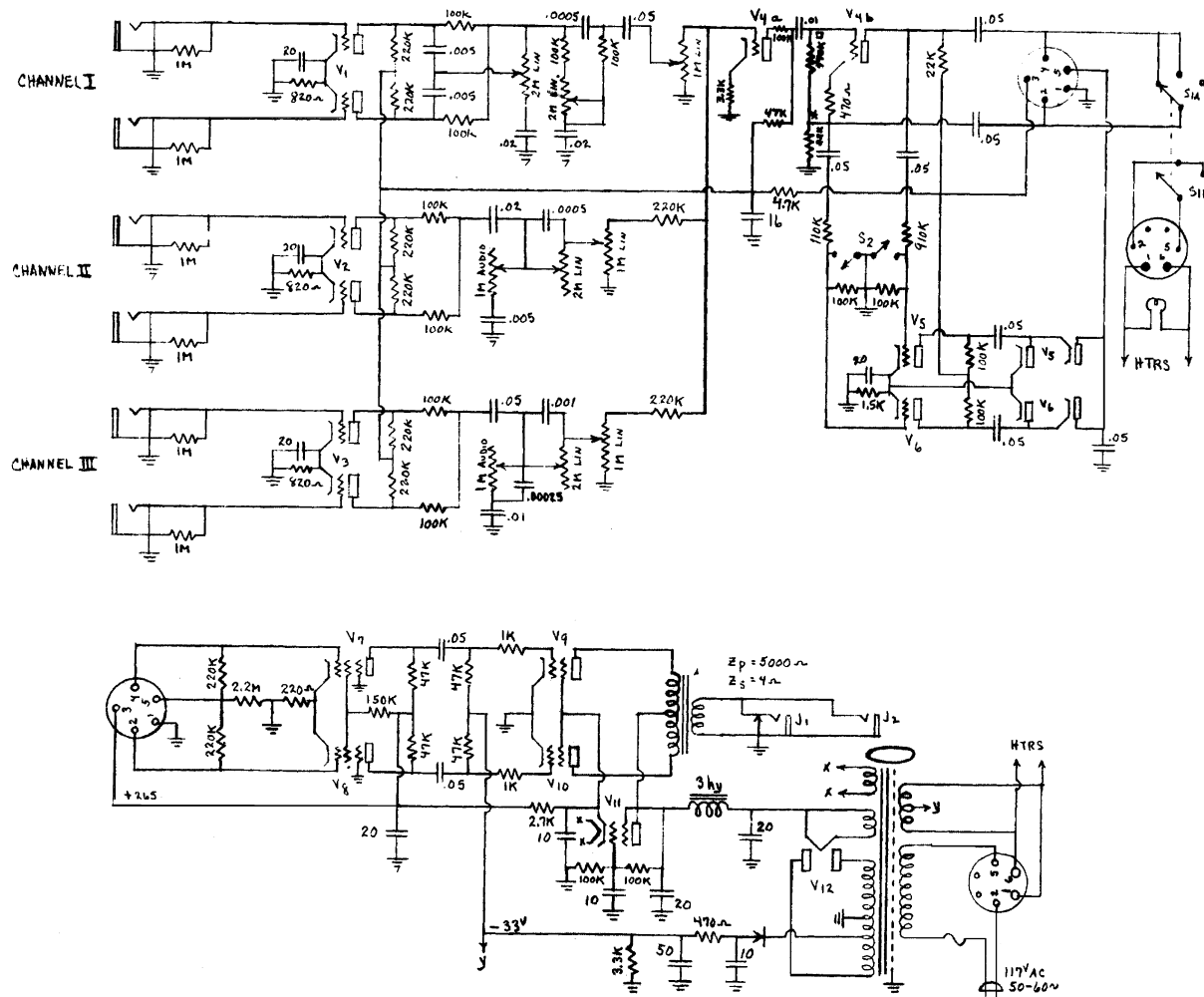
FUSE

The fuse used in this Amplifier is a type 3AG of three amperes rating.
DO NOT USE FUSES OF HIGHER RATING

SERVICE

If the amplifier is in need of servicing, it should be taken to a reliable radio man. The electrical diagram in this folder should be shown the repairman to assist him in servicing the amplifier.

GA-400



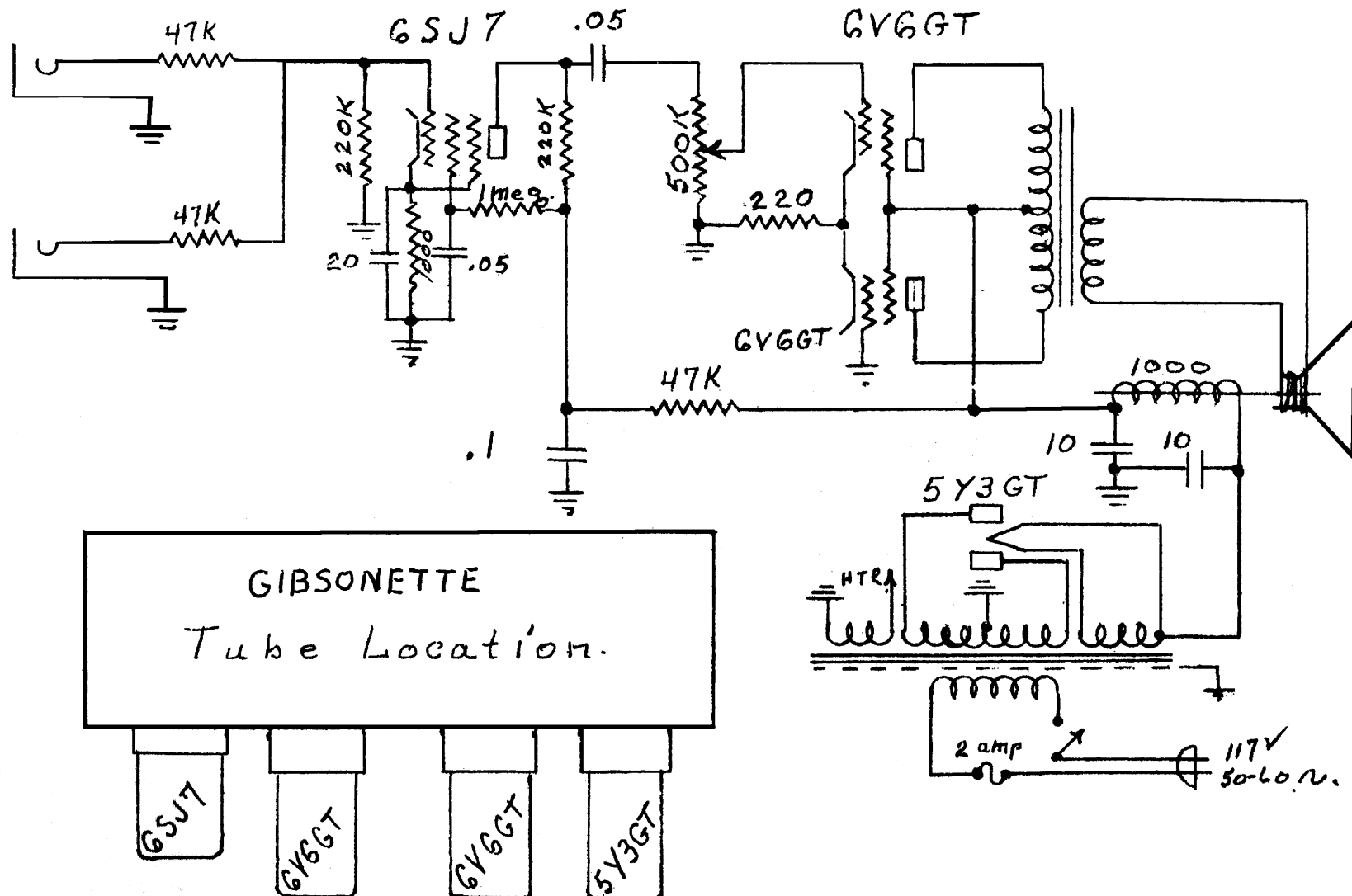
Tube	Type	Use	E _p	E ₈₀	E ₆	E _K
V1	12AX7	CHAN 1 PRE Amp	+135	—	0	+115
V2	"	" " " "	+110	—	0	+85
V3	"	" " " "	+105	—	0	+8
V4	12AU6	MIXER AMP	+135	—	0	+8.2
V5	12AY6	PHASE SPLITTER	+810	—	Phase	+8.2
V6	6BJ6	Comp Amp + Rect.	+110	—	0	+1.9
V7	"	" " " "	+110	—	0	+1.9
V7	6X5K7	DRIVER	+145	+4.2	-1	+1.5
V8	"	" " " "	+145	+4.2	-1	+1.5
V9	6L50	PWR AMP	+370	+380	-33	0
V10	"	" " " "	+370	+380	-33	0
V11	6V6	VOLTAGE REG.	+570	+570	+225	+380
V12	GZ34	RECTIFIER	470Vrms	—	—	+380

ALL DC READINGS WITH 11 MEG VTVM MEASURED TO CHASSIS

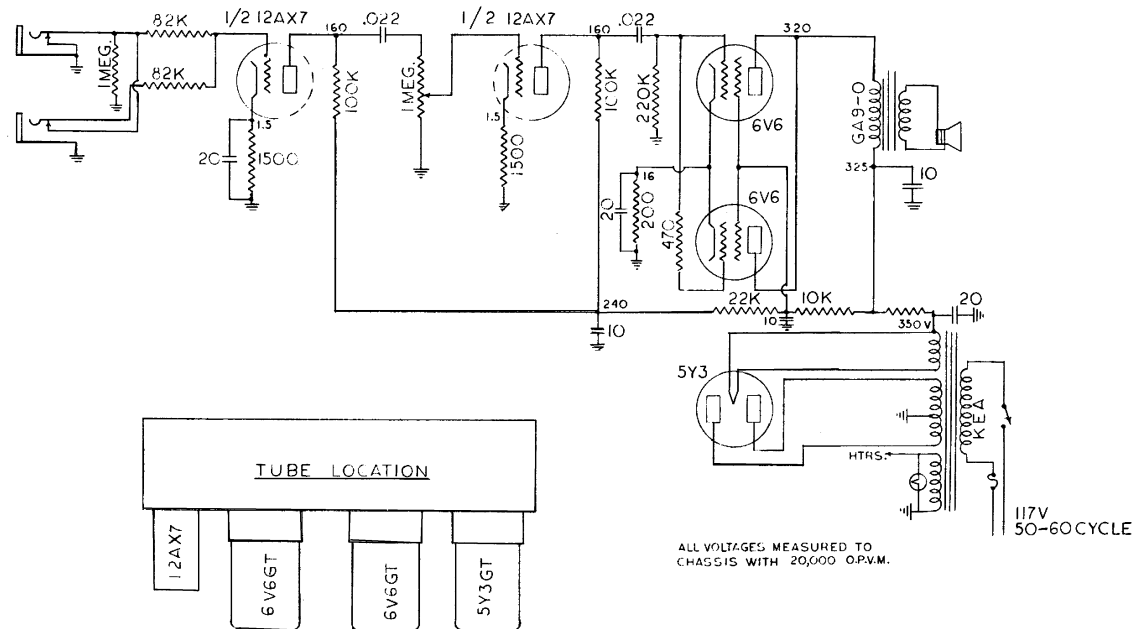
TUBE LOCATION PRE AMP					
12AX7	12AX7	12AX7	12AX7	6BJP	6BJP
V ₁	V ₂	V ₃	V ₄	V ₅	V ₆

TUBE LOCATION
MAIN AMP

6SK7	6SK7	6SS0	6SS0	6VL6	6Z34
(V7)	(V8)	(V9)	(V10)	(V11)	(V12)



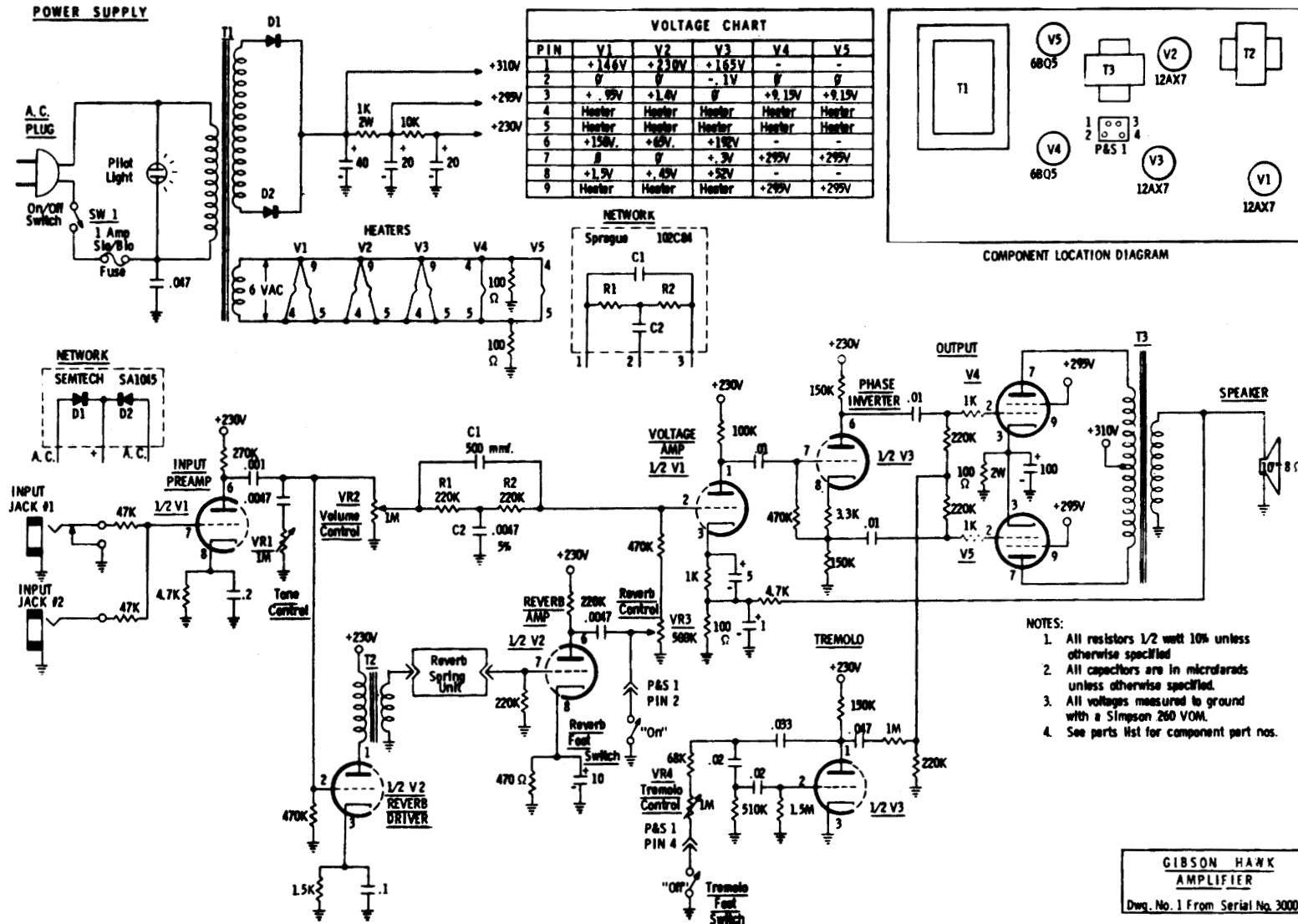
GIBSONETTE MODEL AMPLIFIER



GIBSON INC., KALAMAZOO, MICH.

HAWK

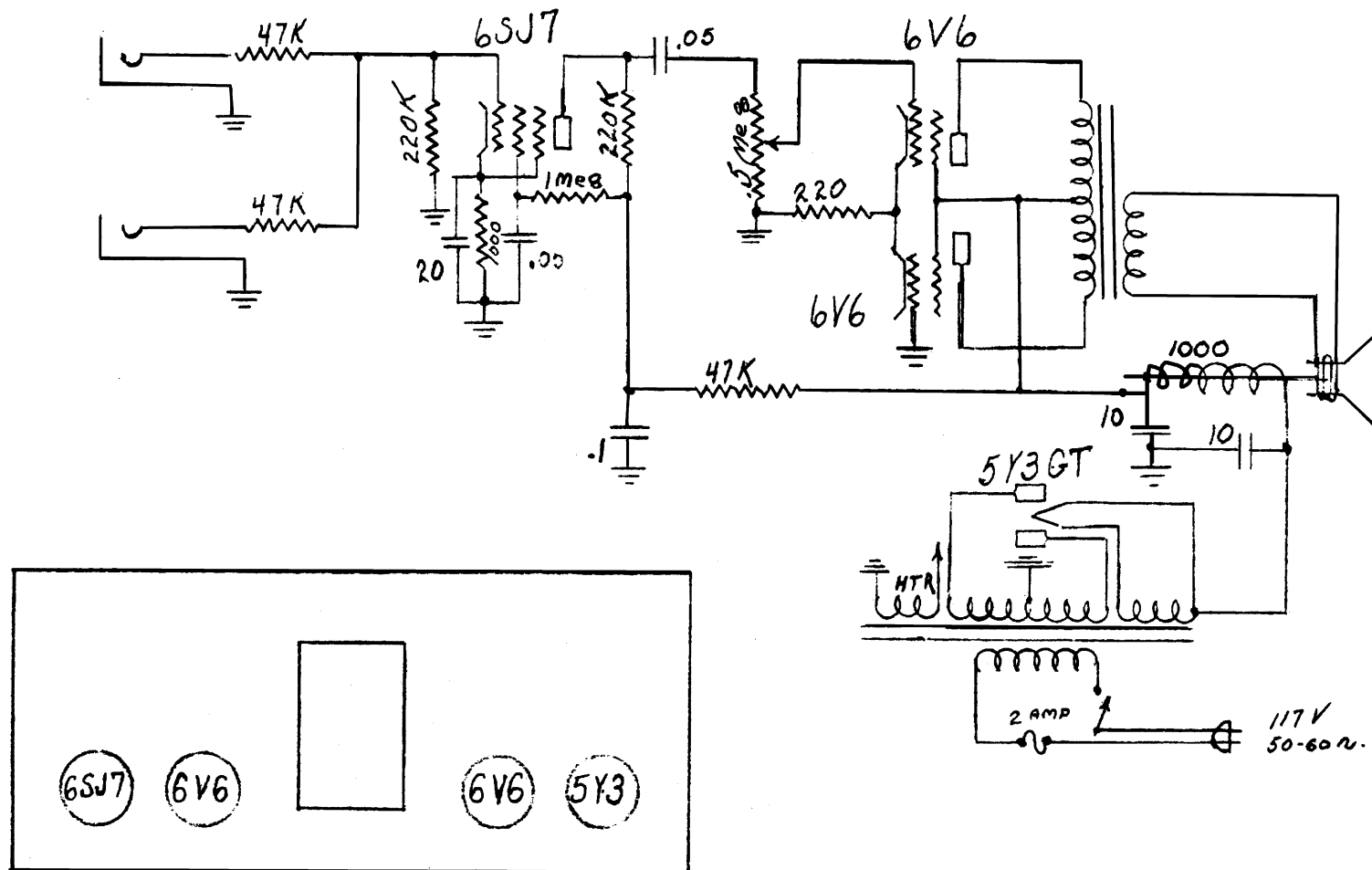
Gibson



KEA

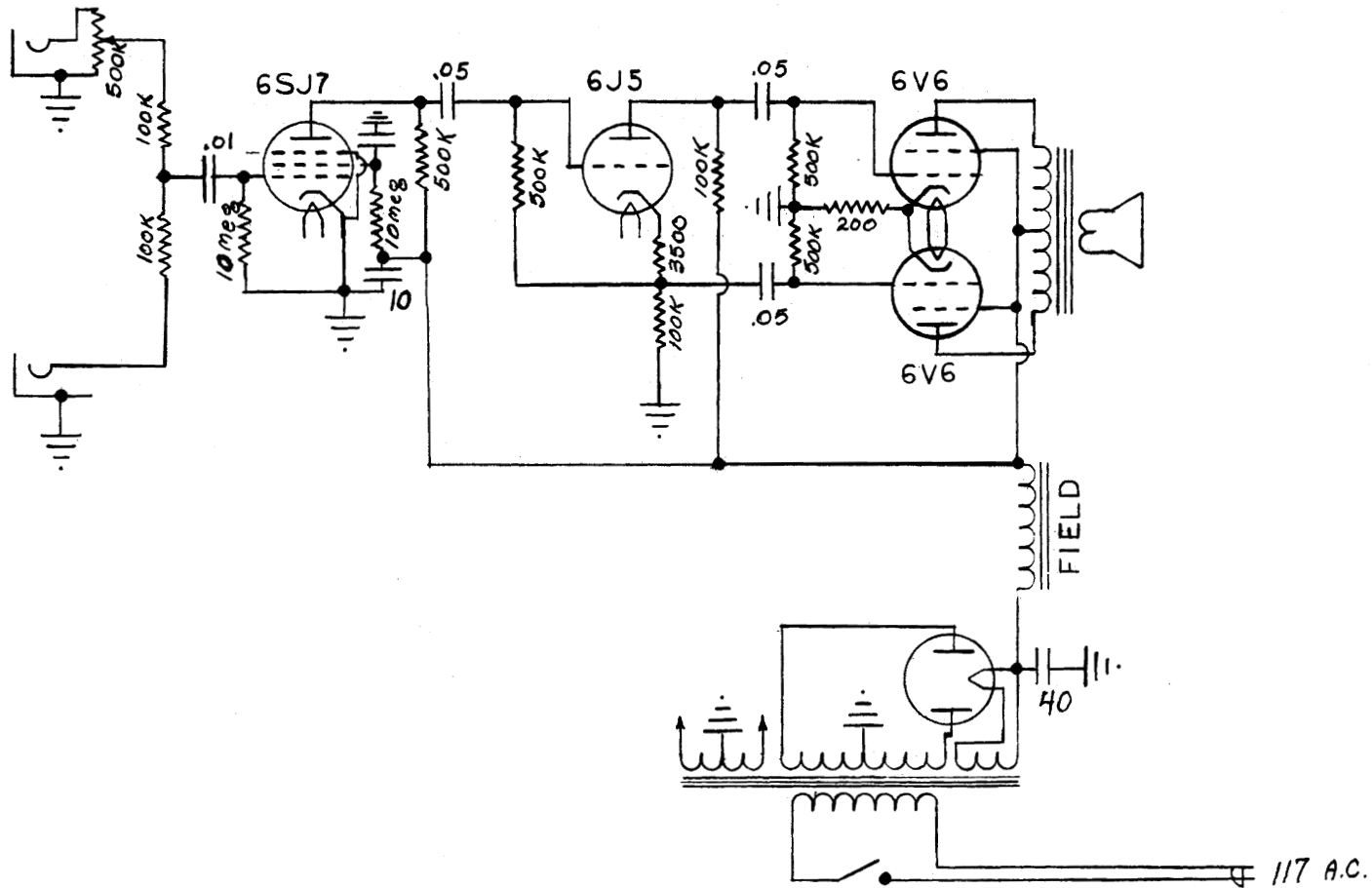
Gibson

KEA.



KEH

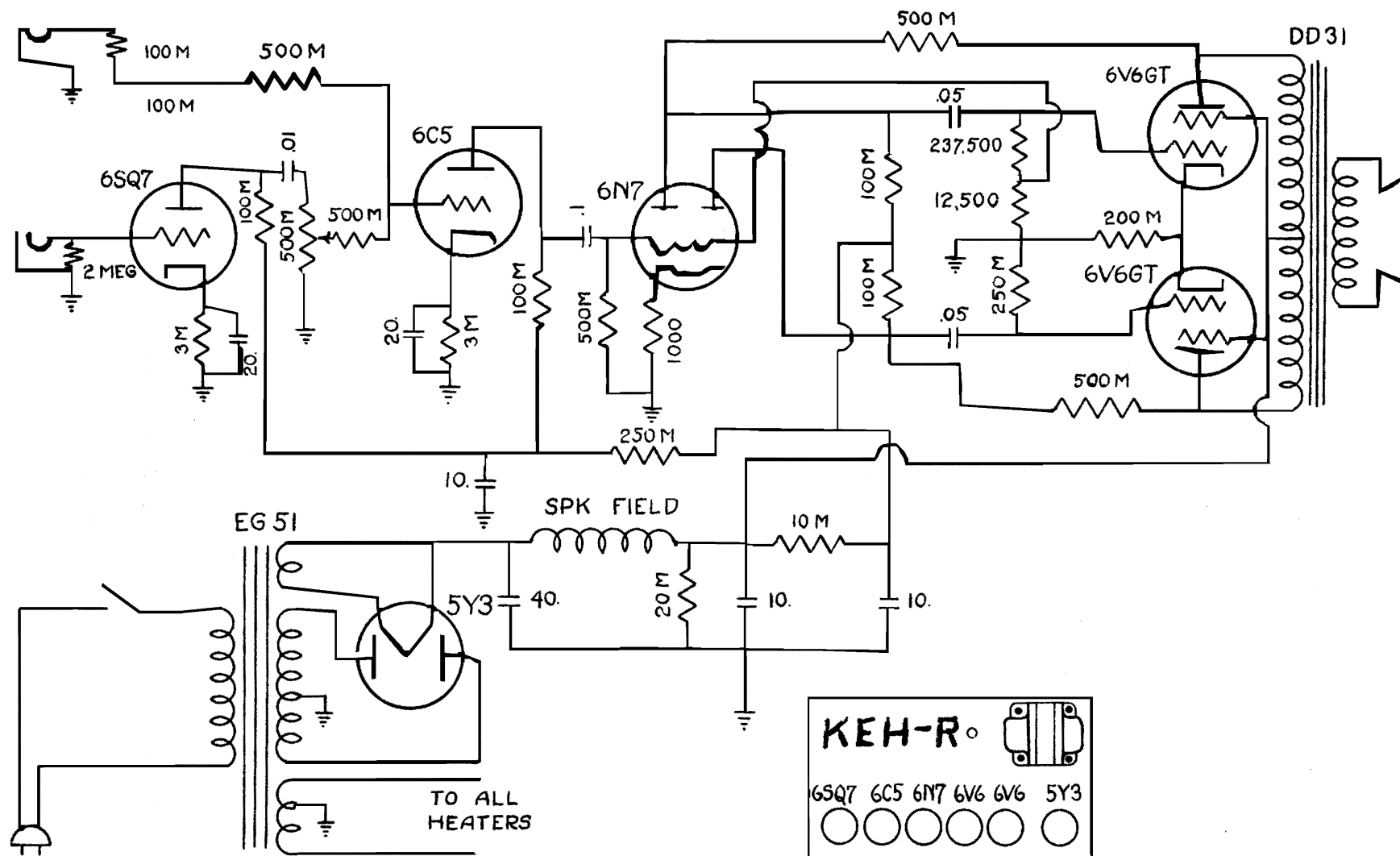
Gibson



KE H SCHEMATIC
REDRAWN
3/5/56
GIBSON INC.

Gibson

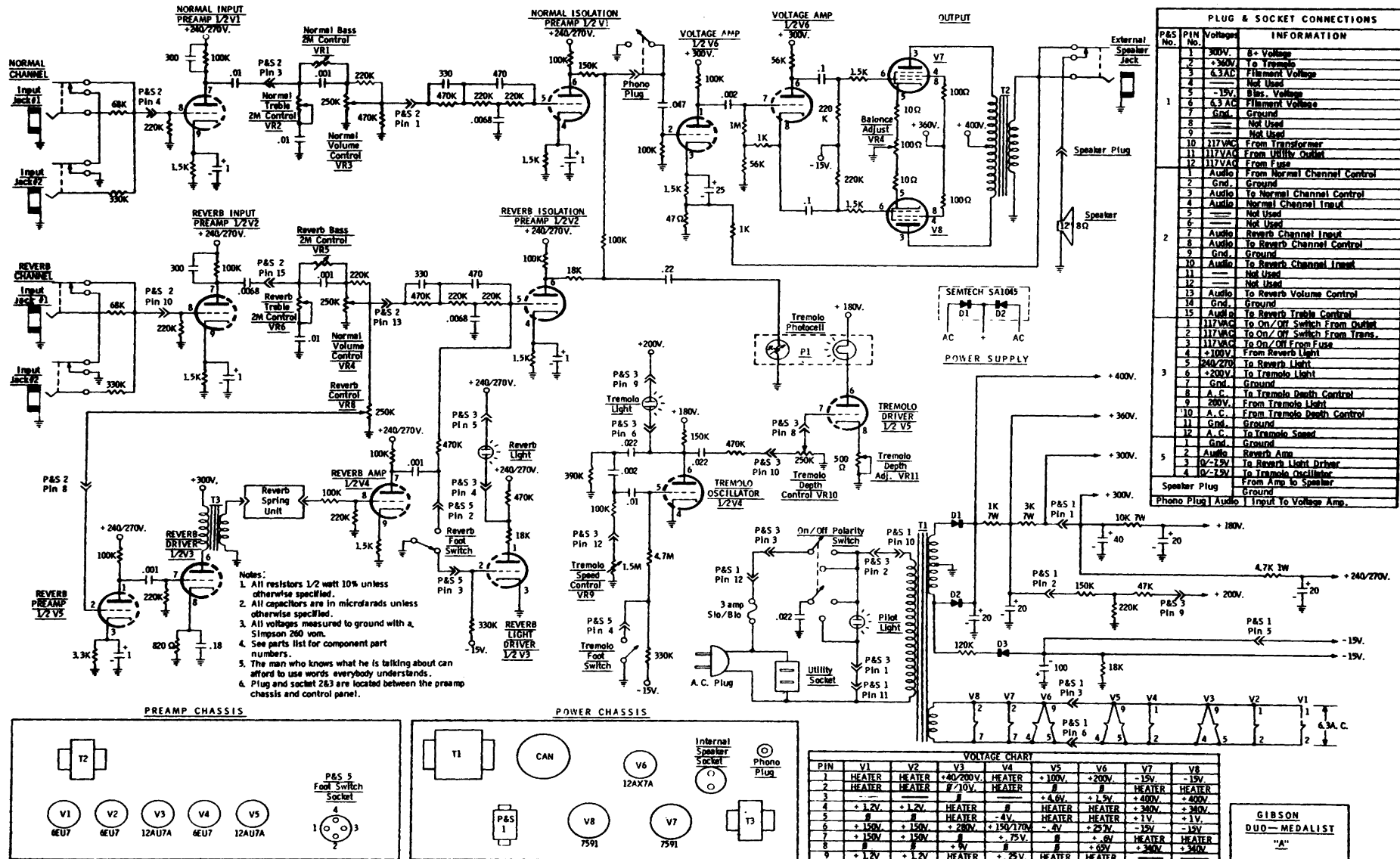
Gibson



·FJN·

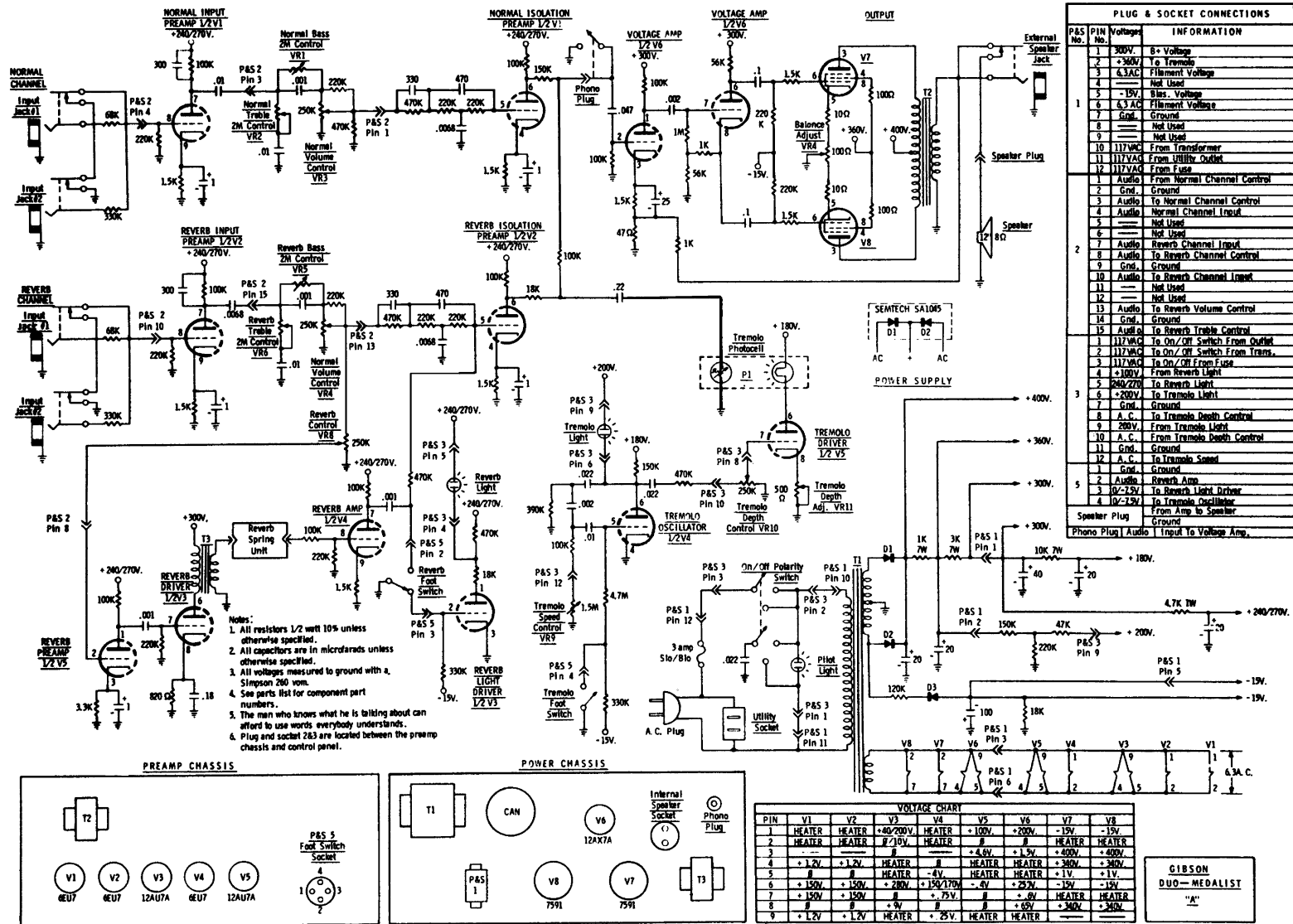
DUO-MEDALIST "A"

Gibson



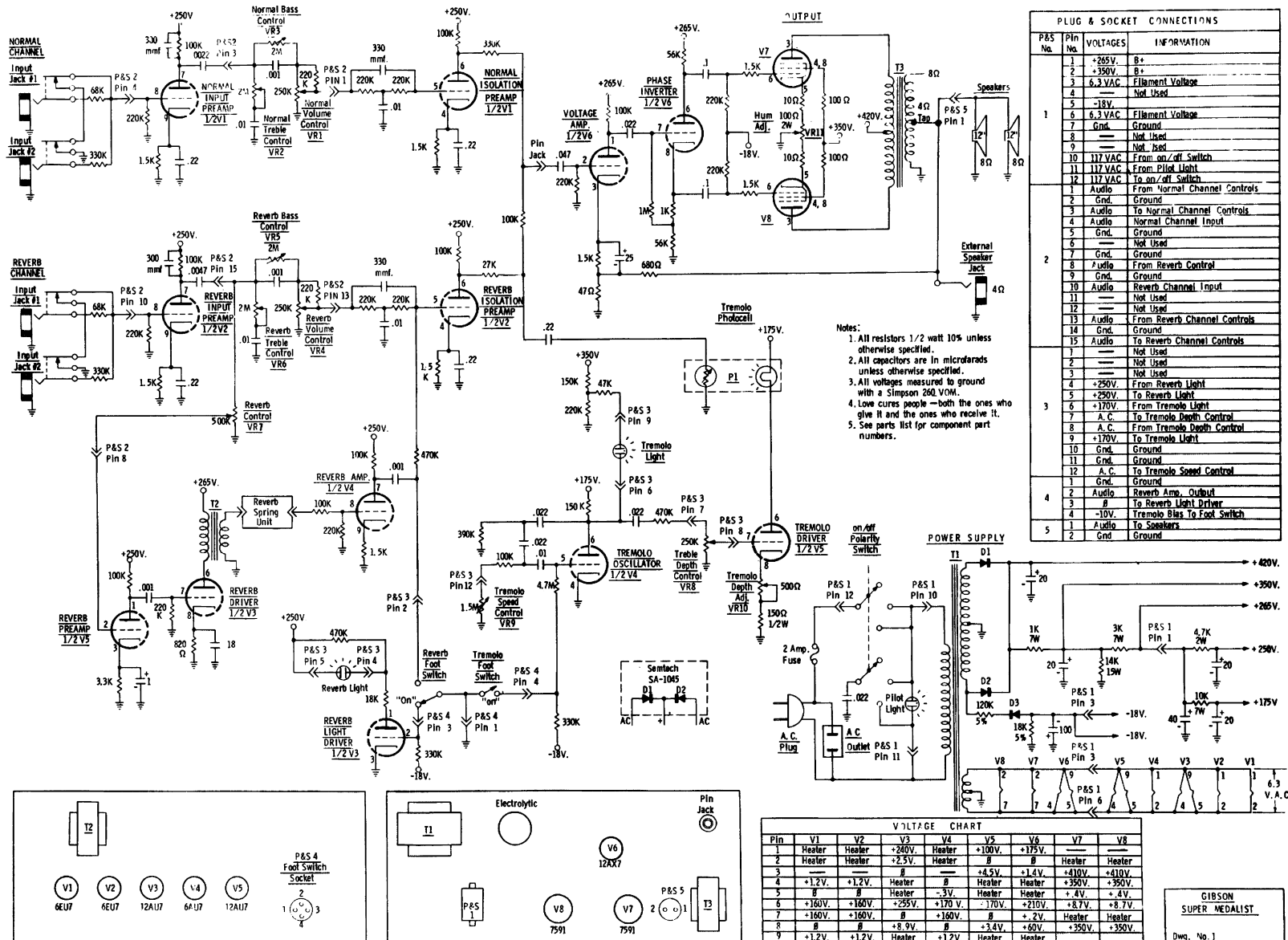
DUO-MEDALIST

Gibson

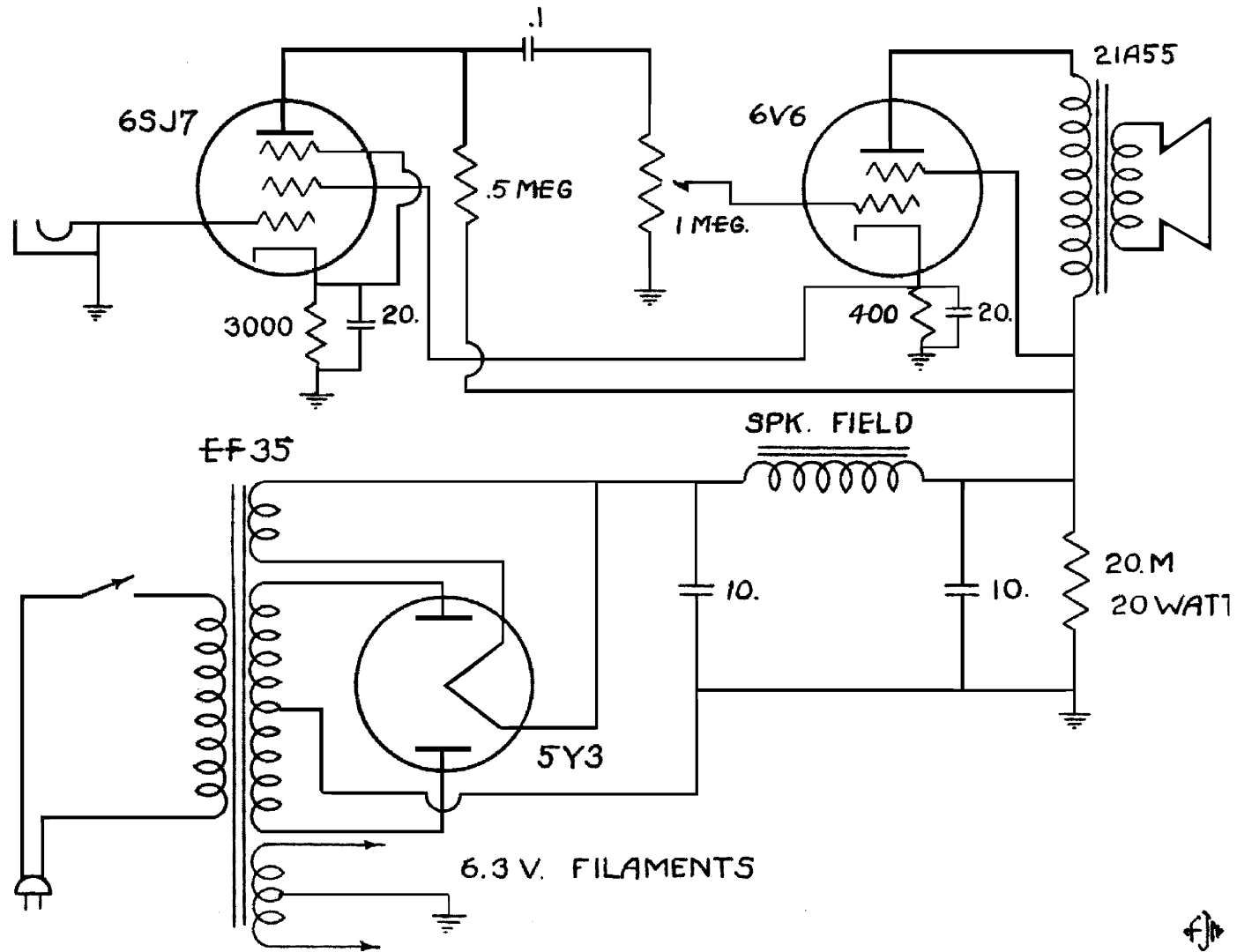


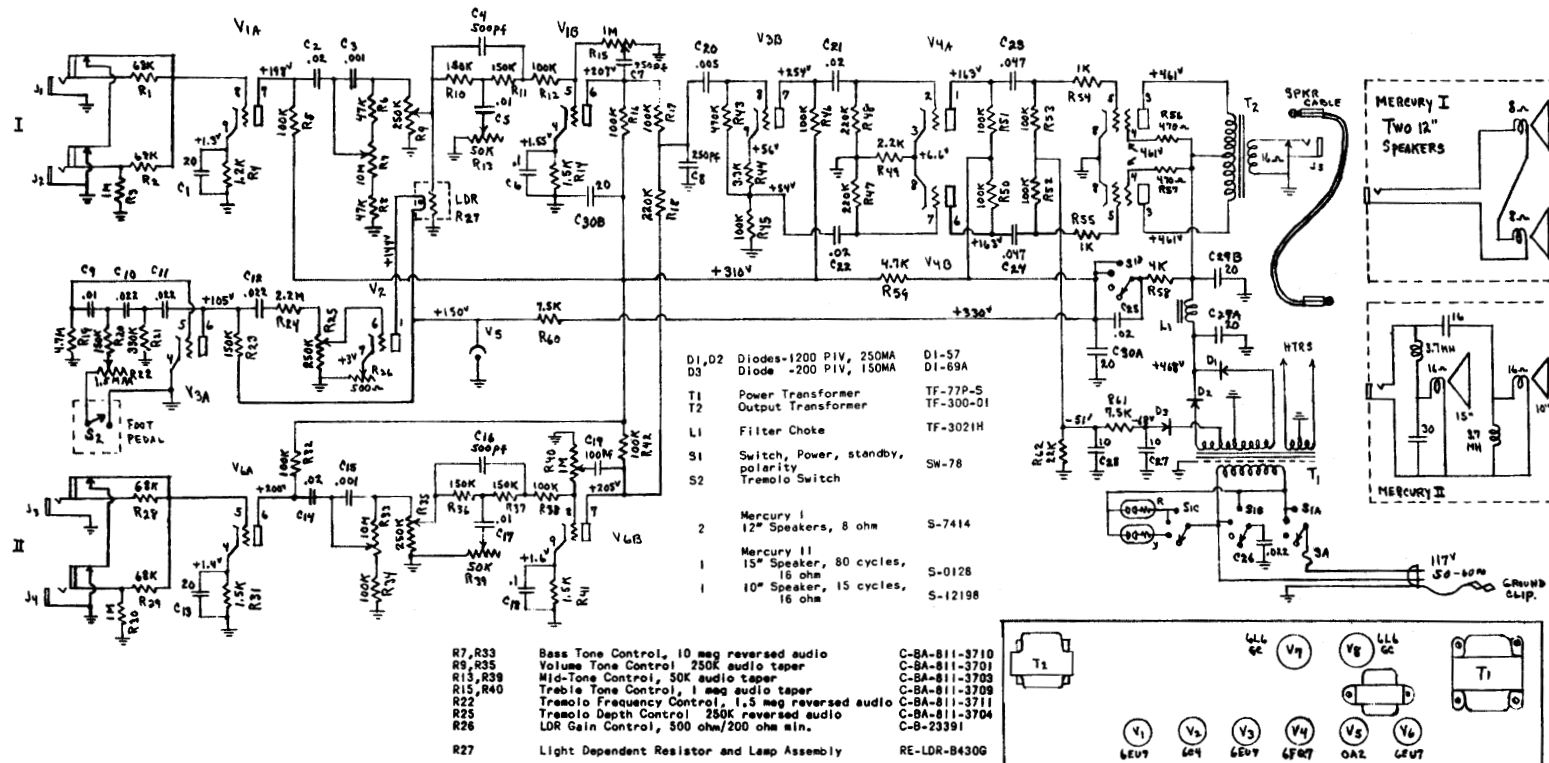
SUPER MEDALIST

Gibson



GIBSON MASTERTONE



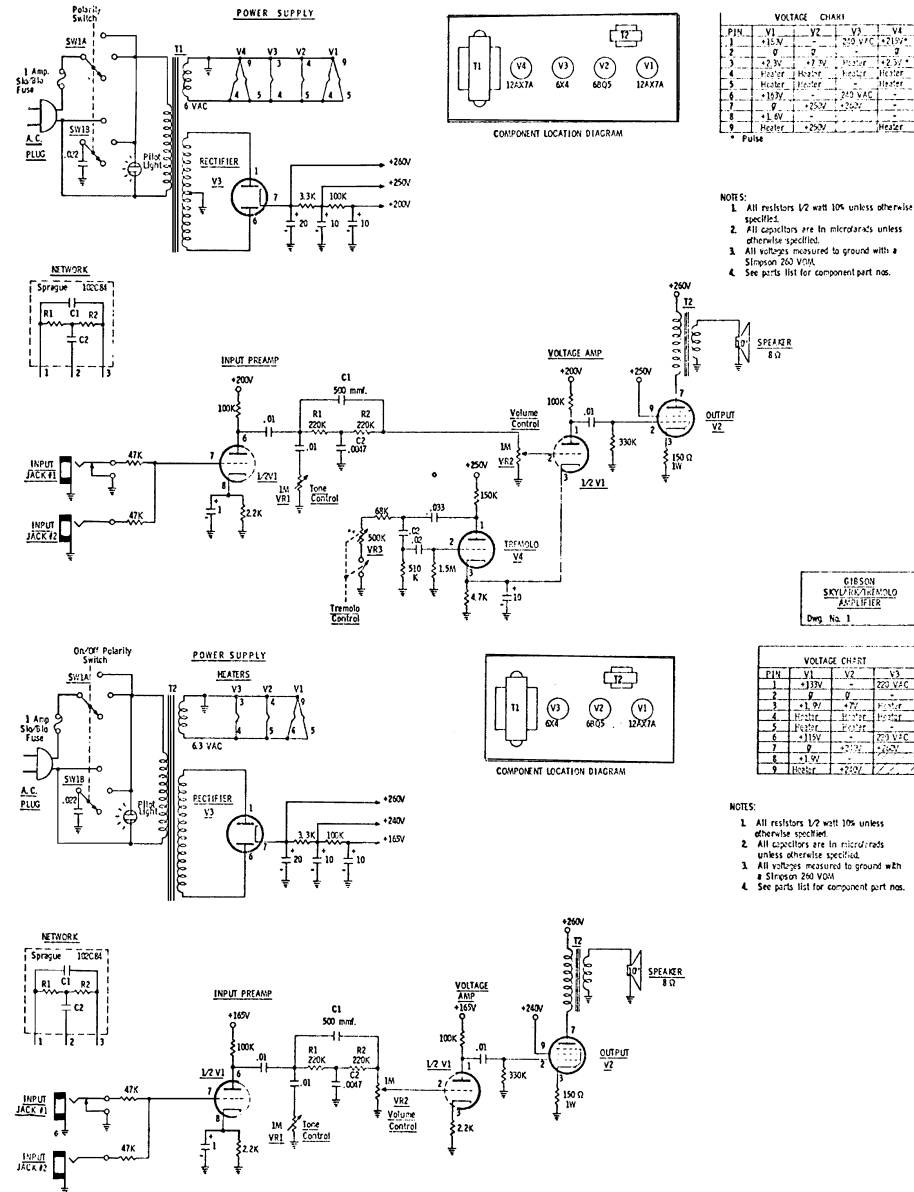


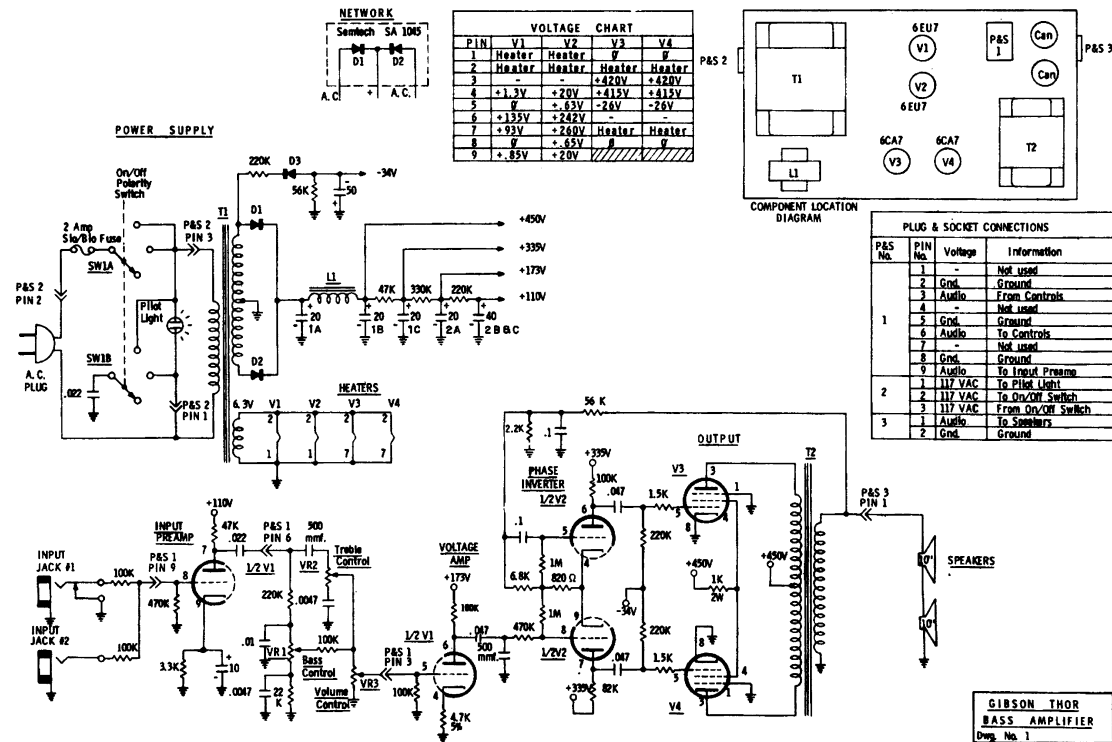
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[illegible]

SKYLARK/TREMOLO

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PARTS LIST

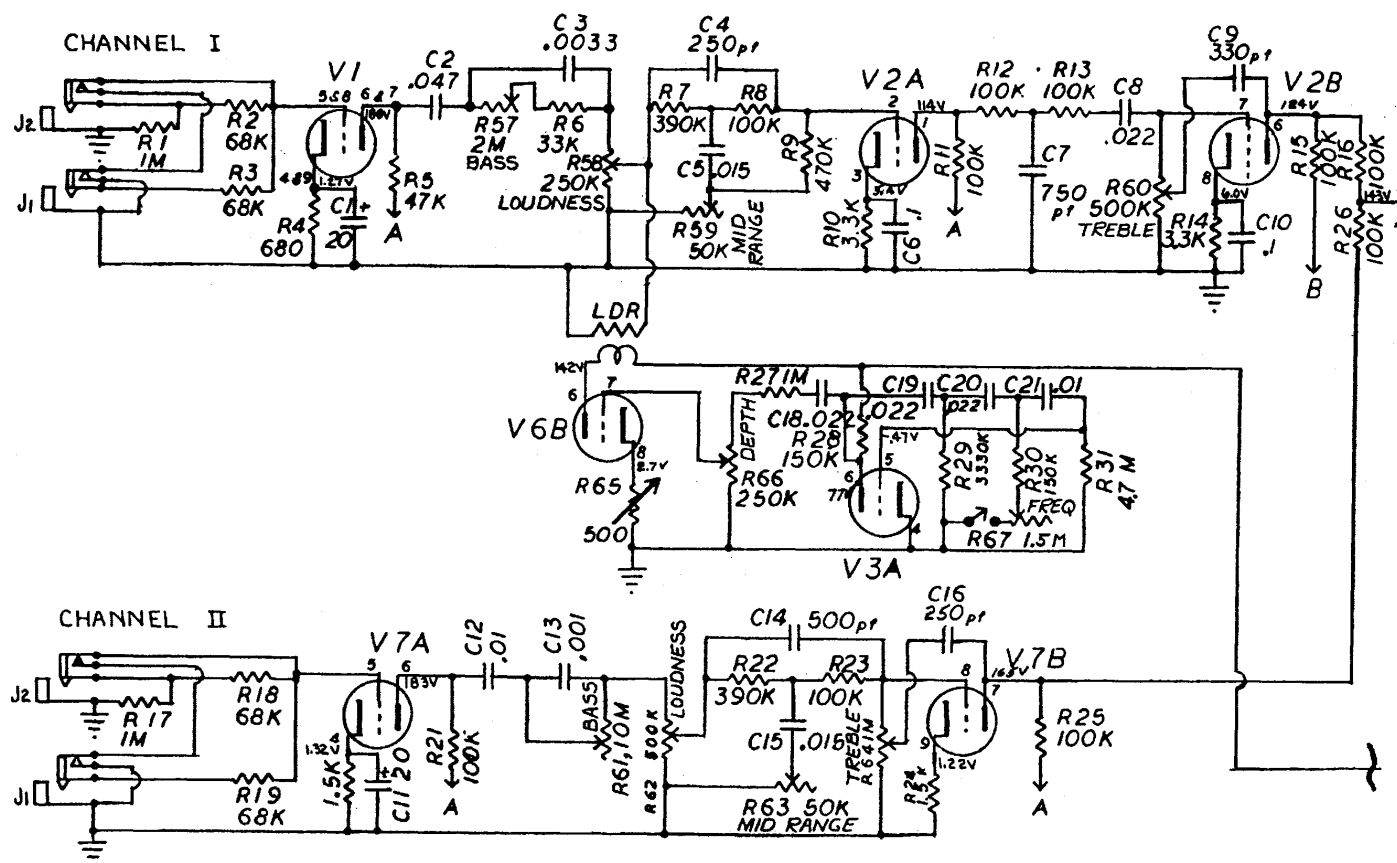
Part	Description	Schematic Reference	Part Number
Transformer	Power.....	T-1.....	954-003622
Transformer	Output.....	T-2.....	955-003623
Choke		L-1.....	956-003624
Diode	Dual Rectifier.....	D1-D2.....	919-012414
Diode	Rectifier.....	D3.....	919-003517
Switch	Polarity.....	SW-1A&B...	960-012430
Speakers	10".....		985-003631
Potentiometer	Volume Control 1 Meg-L.....		925-003525
Potentiometer	Bass Control 2 Meg-L.....		925-003529
Potentiometer	Treble Control 2 Meg-A.....		925-003559
Capacitor	Filter, 50 Mfd 50V.....		945-003627
Capacitor	Filter, 20-20-20-475V.....	C1 AB&C...	945-003626
Capacitor	Filter, 20-20-20-475V.....	C2 AB&C...	945-003626

GIBSON THOR
BASS AMPLIFIER
Des. No. 1

TITAN PREAMP

Gibson

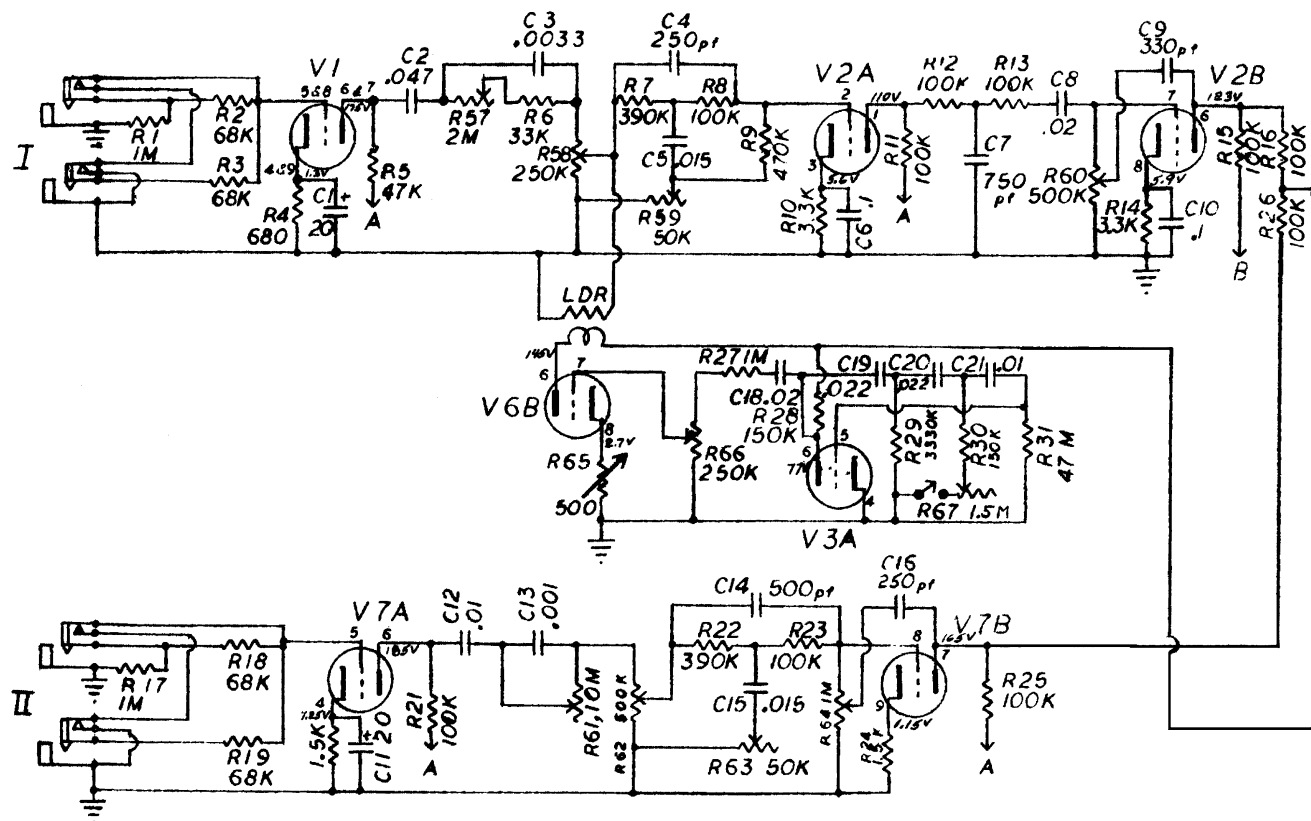
T1	Power Transformer	TF-135P	R63,R59	50K Audio Taper (mid-control) control	C-BA-811-3703
T2	Output Transformer	TF-531-0	R61	10 meg reversed audio (bass) control	C-BA-811-3710
T3	Auto Transformer - 8 ohm, 16 ohm	TF-130A	R58,R66	250K audio taper (volume & depth) control	C-BA-811-3701
L3	Filter Choke	TF-3021H	R57	2 meg reversed audio (bass) control	C-BA-811-3751
L1,L2	Inductances 3.7 mh		R62,R60	500K audio taper (volume & treble) control	C-BA-811-3707
S1	Switch - off, standby, on-on	SW-78	R64	1 meg audio taper (treble) control	C-BA-811-3709
			R67	1.5 meg reversed audio (frequency) control	C-BA-811-3711
			R65	500 ohm wire wound control	C-B-23391
LDR-1	Light Dependent Resistor Lamp Assembly RE-LDR-430P				
SP2	(1) Speakers, 15" 16 ohm 3-0127				
SP1	(1) Speakers, 10" 16 ohm 3-7646				



TITAN I-III & V

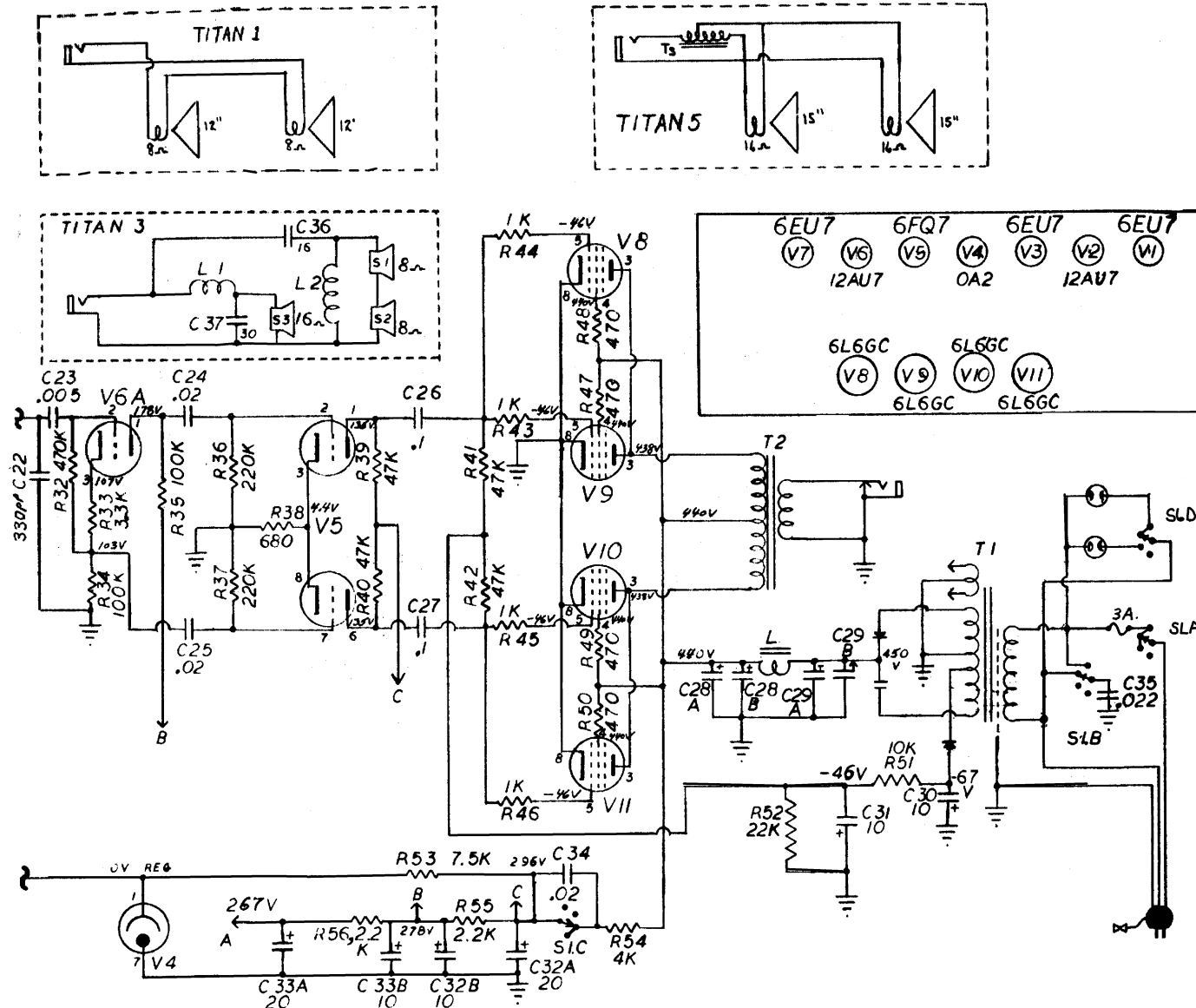
Gibson

T1	Power Transformer	TF-135P	R63,R59	50K Audio Taper (mid-control) control	C-BA-811-3703
T2	Output Transformer	TF-531-0	R61	10 meg reversed audio (bass) control	C-BA-811-3710
T3	Auto Transformer - 8 ohm, 16 ohm	TF-130A	R58,R86	250K audio taper (volume & depth) control	C-BA-811-3701
L1	Filter Choke	TF-3021H	R57	2 meg reversed audio (bass) control	C-BA-811-3751
			R62,R60	500K audio taper (volume & treble) control	C-BA-811-3707
L1,L2	Inductances 3.7 mh		R84	1 meg audio taper (treble) control	C-BA-811-3709
S1	Switch - off, standby, on-on	SW-78	R87	1.5 meg reversed audio (frequency) control	C-BA-811-3711
			R65	500 ohm wire wound control	C-B-23391
LDR-1	Light Dependent Resistor Lamp Assembly	RE-LDR-430G			
(2)	Speakers, 10" 8 ohm for Titan 3	S-12197			
(1)	Speaker, 15" 16 ohm for Titan 3	S-0128			
(2)	Speakers, 15" 16 ohm for Titan 5	D-130F			
(2)	Speakers, 12" 8 ohm for Titan 1	S-7414-2			

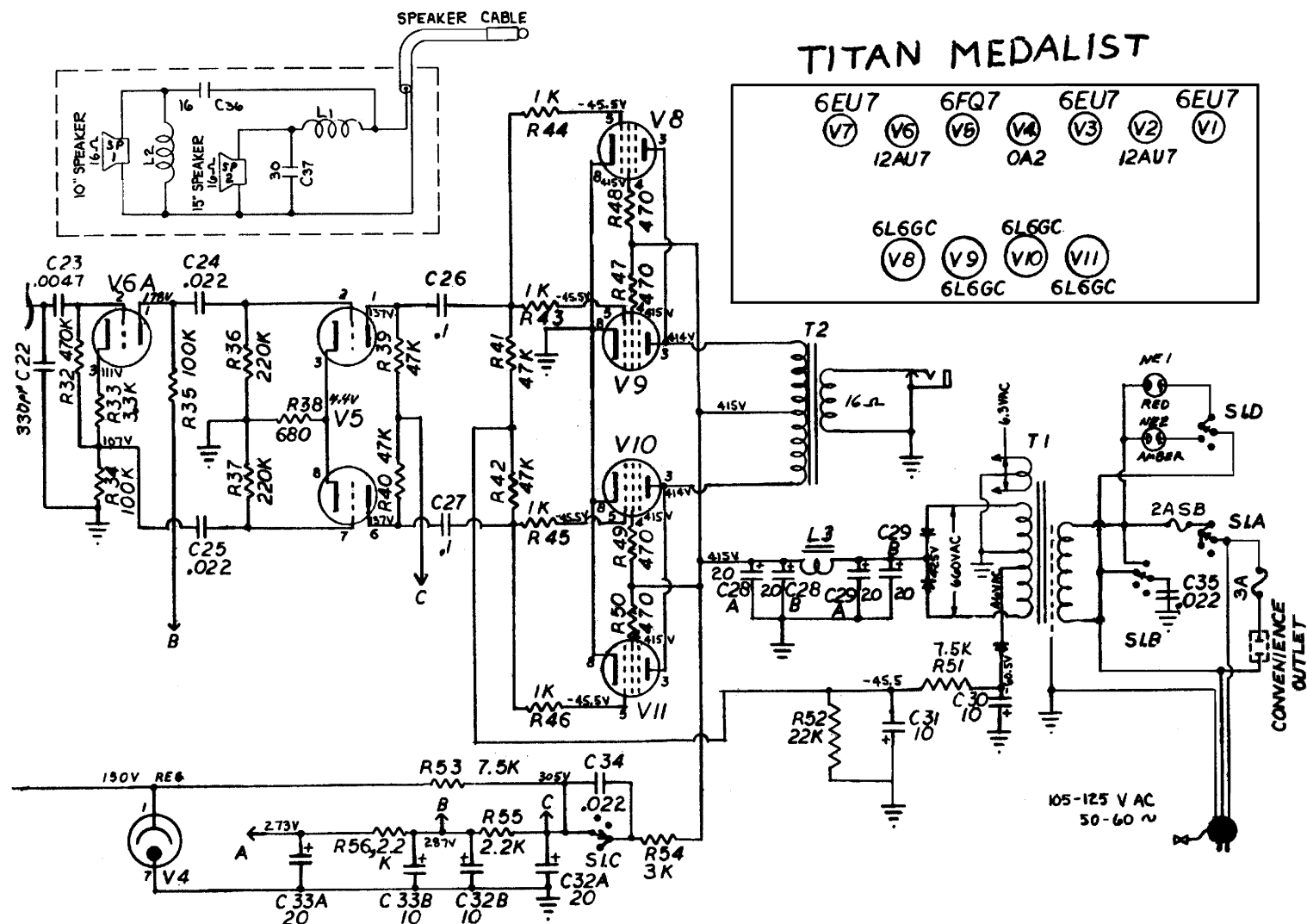


TITAN I-111 & V PWR/OUTPUT

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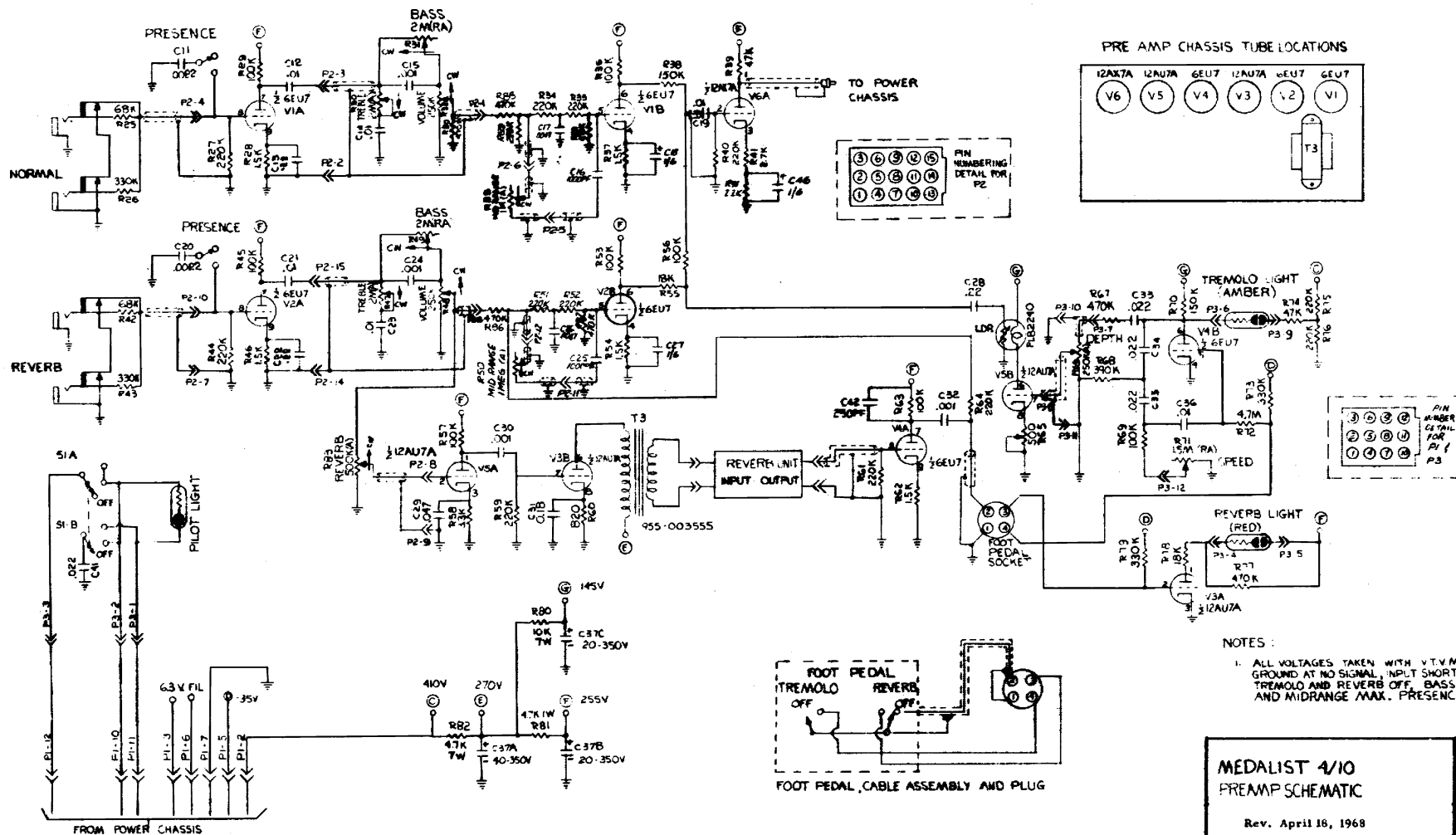


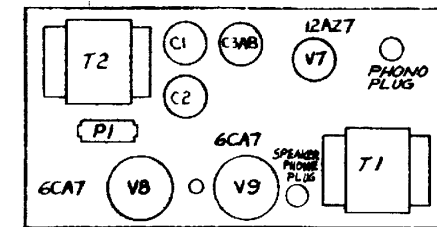
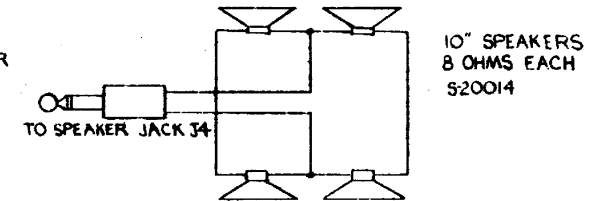
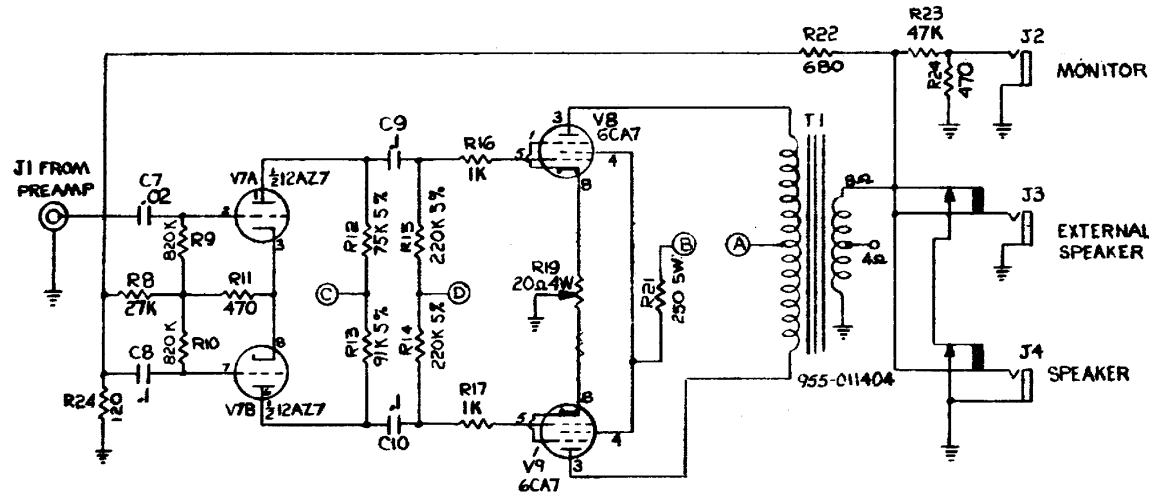
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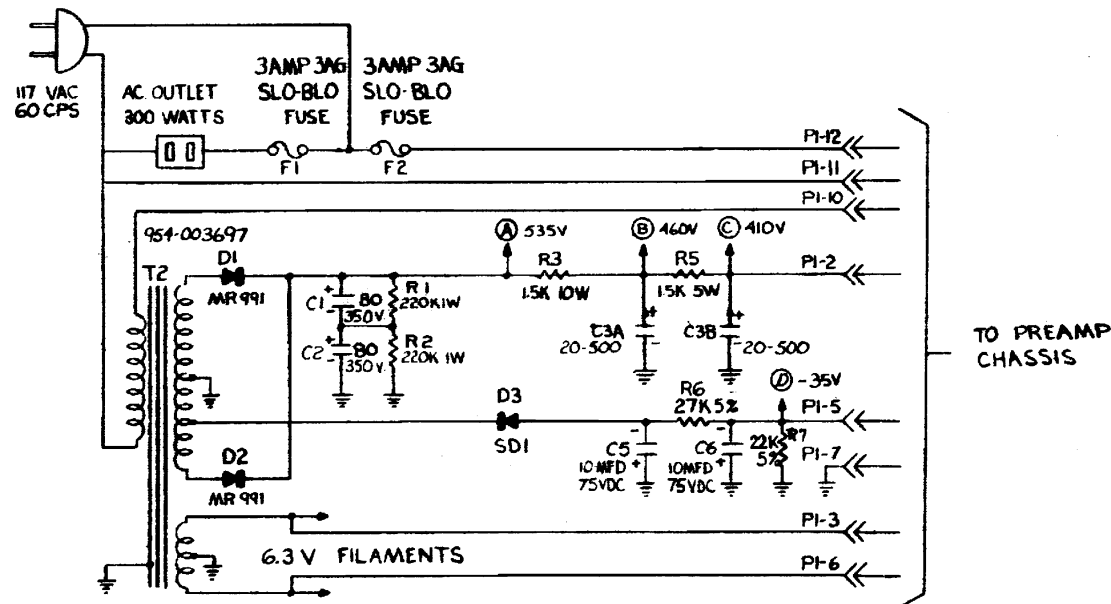
MEDALIST PREAMP

Gibson





POWER CHASSIS TUBE LOCATIONS



NOTES :

1. ALL VOLTAGES TAKEN WITH VTVM. TO GROUND AT NO SIGNAL, INPUT SHORTED, TREMOLO AND REVERB OFF, BASS, TREBLE, AND MIDRANGE MAX. PRESENCE OFF.

MEDALIST 4/10 POWER
CHASSIS SCHEMATIC

Rev. April 18, 1968