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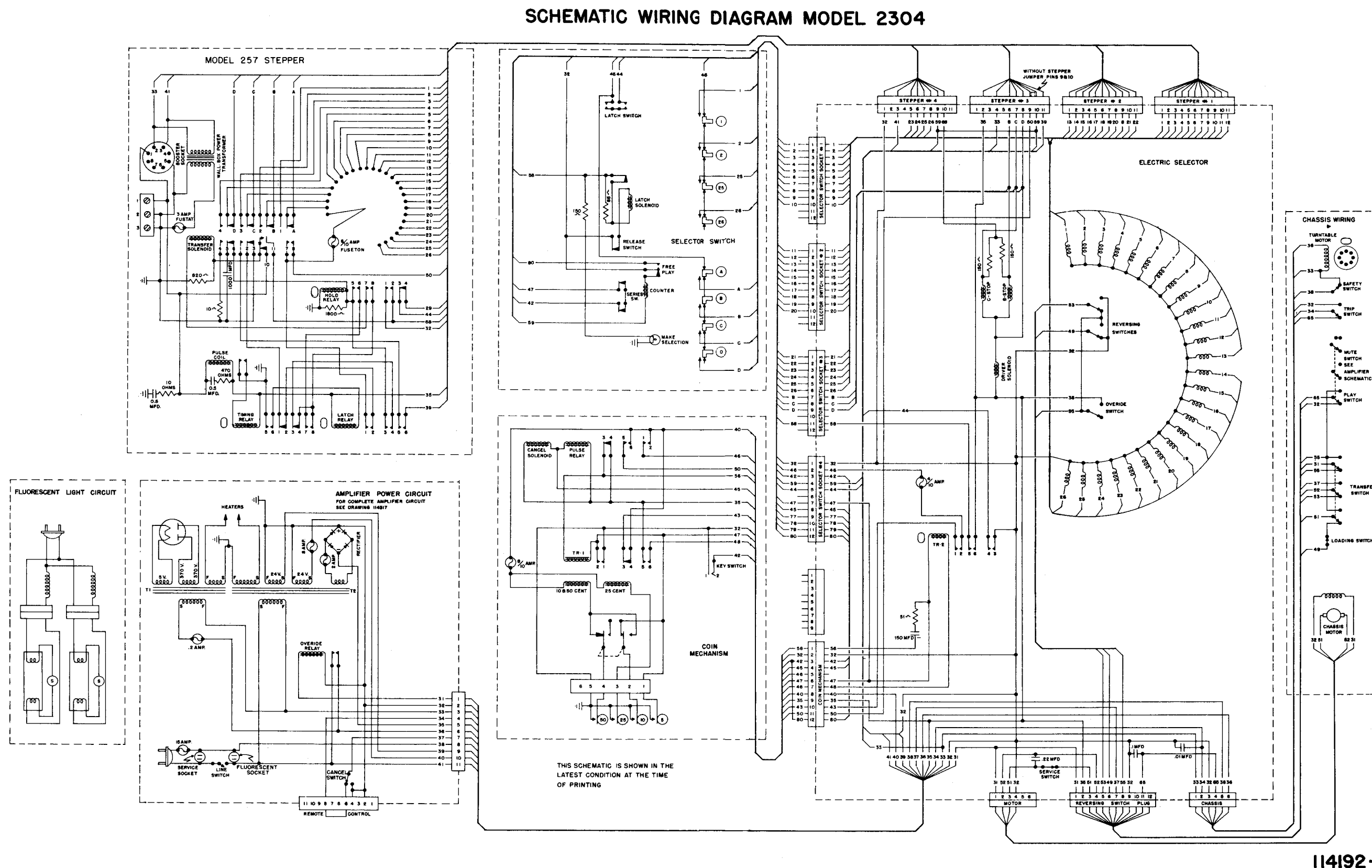


Fig. 78. SCHEMATIC WIRING DIAGRAM MODEL 2304 PHONOGRAPH.

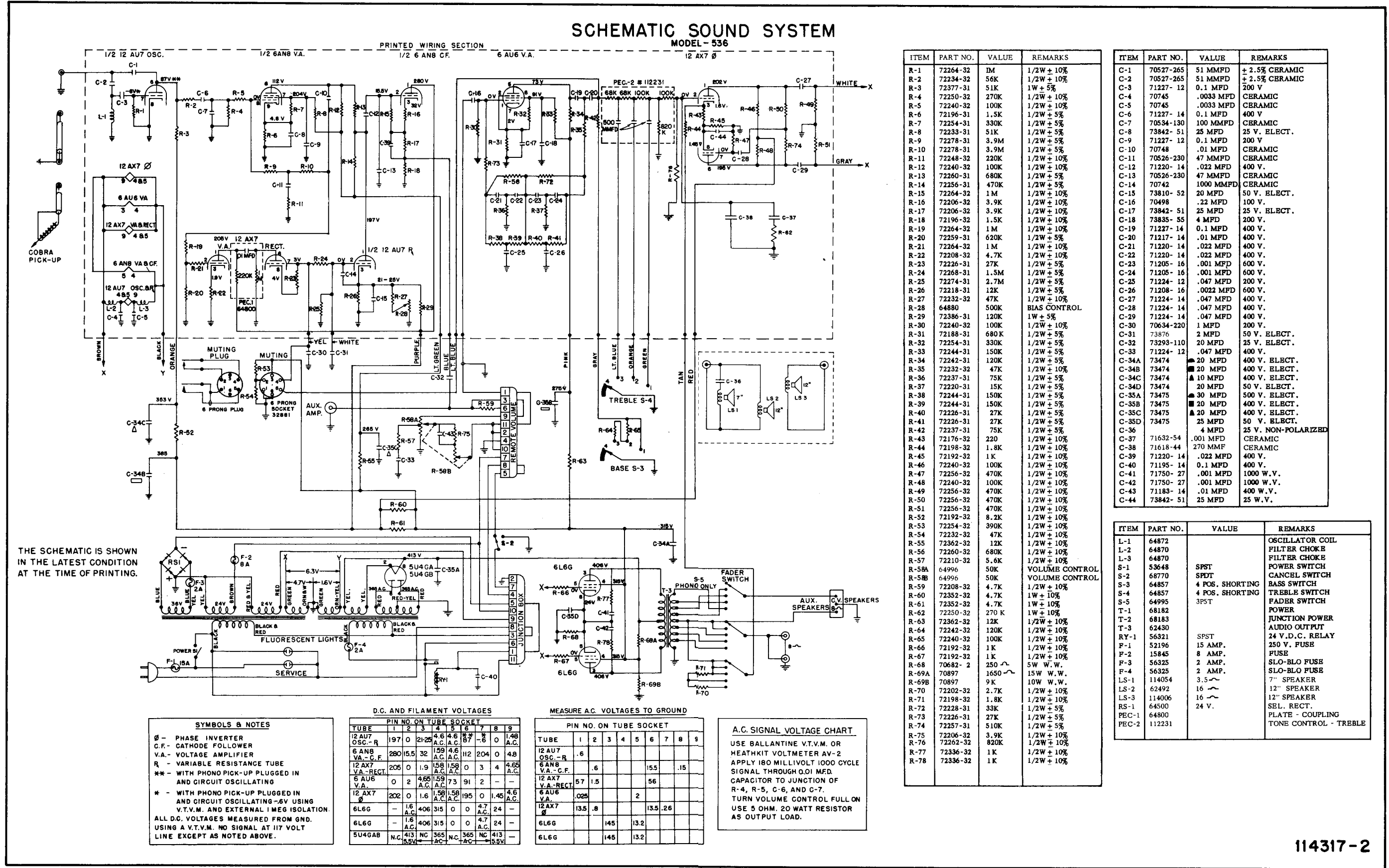
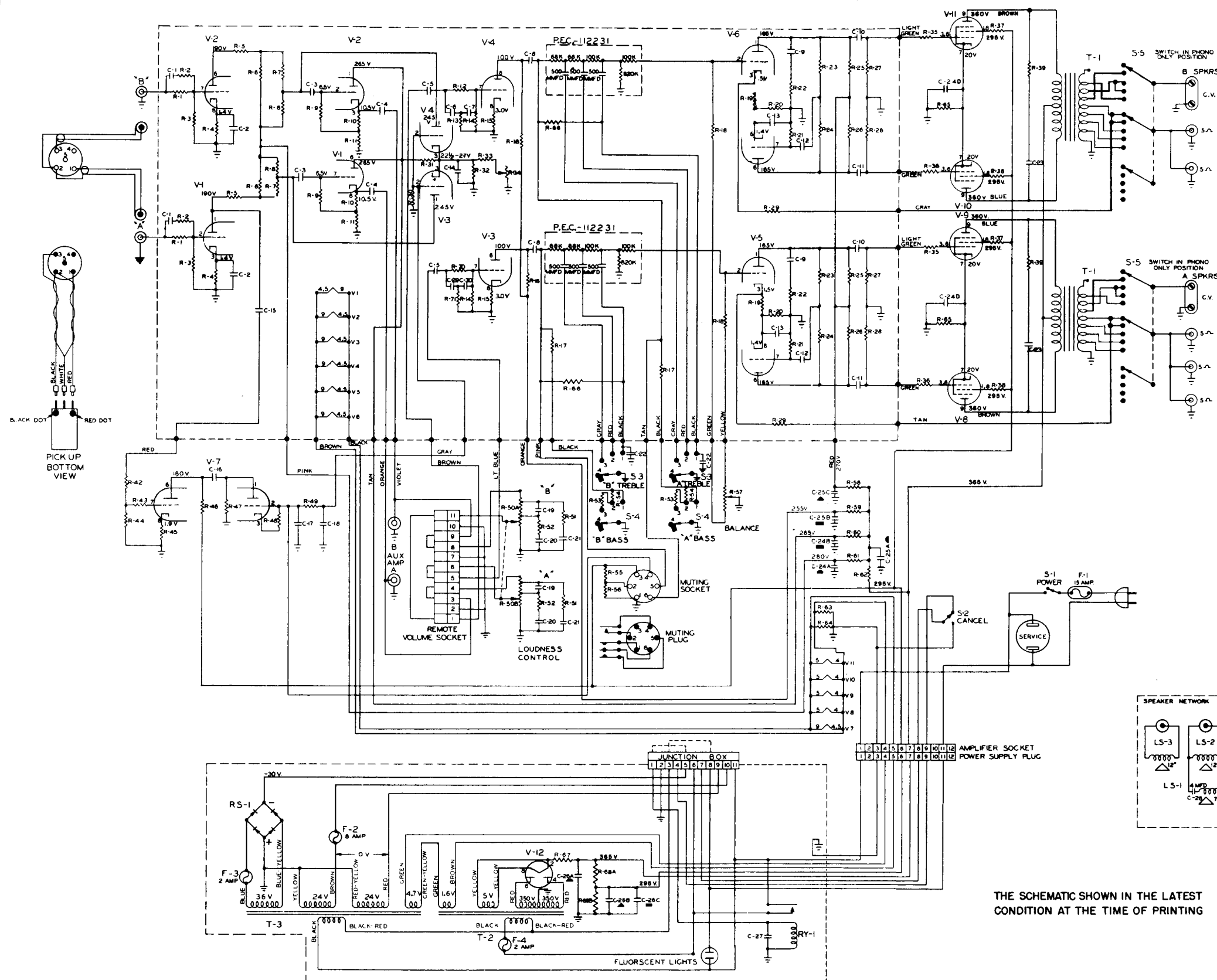


Fig. 79. SCHEMATIC WIRING DIAGRAM MODEL 2304 SOUND SYSTEM

SCHEMATIC DIAGRAM MODEL 534 AMPLIFIER - STEREO



ITEM	PART NO	VALUE	REMARKS
R-1	72-284-32	1 MEG	2 W $\pm 10\%$
R-2	72-250-32	270 K Ω	2 W $\pm 10\%$
R-3	72-864-32	MEG	2 W $\pm 10\%$
R-4	72-1919-32	100 K Ω	2 W $\pm 10\%$
R-5	72-232-31	47 K Ω	2 W $\pm 10\%$
R-6	72-236-31	68 K Ω	2 W $\pm 10\%$
R-7	72-238-31	100 K Ω	2 W $\pm 10\%$
R-8	72-261-31	750 K Ω	2 W $\pm 10\%$
R-9	72-264-32	1 MEG	2 W $\pm 10\%$
R-10	72-192-32	1 MEG	2 W $\pm 10\%$
R-11	72-210-32	330 K Ω	2 W $\pm 10\%$
R-12	72-252-32	330 K Ω	2 W $\pm 10\%$
R-13	72-244-32	150 K Ω	2 W $\pm 10\%$
R-14	72-256-32	1 MEG	2 W $\pm 10\%$
R-15	72-192-32	1 MEG	2 W $\pm 10\%$
R-16	72-276-32	47 K Ω	2 W $\pm 10\%$
R-17	72-837-31	100 K Ω	2 W $\pm 10\%$
R-18	72-290-32	82 K Ω	2 W $\pm 10\%$
R-19	72-176-32	220 Ω	2 W $\pm 10\%$
R-20	72-192-32	1 MEG	2 W $\pm 10\%$
R-21	72-248-32	220 K Ω	2 W $\pm 10\%$
R-22	72-122-32	6.8 K Ω	2 W $\pm 10\%$
R-23	72-248-32	220 K Ω	2 W $\pm 10\%$
R-24	72-246-32	220 K Ω	2 W $\pm 10\%$
R-25	72-240-32	100 K Ω	2 W $\pm 10\%$
R-26	72-240-32	100 K Ω	2 W $\pm 10\%$
R-27	72-256-32	470 K Ω	2 W $\pm 10\%$
R-28	72-256-32	470 K Ω	2 W $\pm 10\%$
R-29	72-500-32	2.2 K Ω	2 W $\pm 10\%$
R-30	72-274-32	27 MEG	2 W $\pm 10\%$
R-31	72-784-31	100 K Ω	2 W $\pm 10\%$
R-32	72-232-32	47 K Ω	2 W $\pm 10\%$
R-33	72-232-32	47 K Ω	2 W $\pm 10\%$
R-34	64-880	500 K Ω	BIAS CONTROL
R-35	72-192-32	1 MEG	2 W $\pm 10\%$
R-36	72-192-32	1 MEG	2 W $\pm 10\%$
R-37	72-160-32	47 Ω	2 W $\pm 10\%$
R-38	72-160-32	47 Ω	2 W $\pm 10\%$
R-39	72-266-32	22 K Ω	2 W $\pm 10\%$
R-40	72-266-32	22 K Ω	2 W $\pm 10\%$
R-42	72-264-32	1 MEG	2 W $\pm 10\%$
R-43	72-264-32	1 MEG	2 W $\pm 10\%$
R-44	72-258-32	560 K Ω	2 W $\pm 10\%$
R-45	72-208-32	47 K Ω	2 W $\pm 10\%$
R-46	72-248-32	220 K Ω	2 W $\pm 10\%$
R-47	72-204-32	1 MEG	2 W $\pm 10\%$
R-48	72-288-32	87 K Ω	2 W $\pm 10\%$
R-49	72-266-32	1 MEG	2 W $\pm 10\%$
R-50A	114-824	39 K Ω	LOUDNESS CONTROL
R-50B	72-266-32	1 MEG	2 W $\pm 10\%$
R-51	72-184-32	470 Ω	2 W $\pm 10\%$
R-52	72-192-32	1 K Ω	2 W $\pm 10\%$
R-53	72-242-32	120 K Ω	2 W $\pm 10\%$
R-54	82-840-32	100 K Ω	2 W $\pm 10\%$
R-55	72-256-32	470 K Ω	2 W $\pm 10\%$
R-56	72-232-32	47 K Ω	2 W $\pm 10\%$
R-57	114-4-63	500 K Ω	BALANCE
R-58	72-238-32	47 K Ω	2 W $\pm 10\%$
R-59	72-352-32	47 K Ω	2 W $\pm 10\%$
R-60	72-352-32	47 K Ω	2 W $\pm 10\%$
R-61	72-352-32	47 K Ω	2 W $\pm 10\%$
R-62	72-900-32	1.0 Ω	10 WATT
R-63	72-158-32	39 Ω	2 W $\pm 10\%$
R-64	72-158-32	39 Ω	2 W $\pm 10\%$
R-65	72-999-32	1.0 Ω	10 WATT
R-66	72-246-32	180 K Ω	2 W $\pm 10\%$
R-67	73-482-2	8.5 Ω	10 WATT
R-68	70-997	1650 Ω	10 WATT
R-69	70-997	1650 Ω	10 WATT
R-70	72-246-32	220 K Ω	2 W $\pm 10\%$
R-71	72-226-32	220 K Ω	2 W $\pm 10\%$

ITEM	PART NO.	VALUE	REMARKS
C-1	716-B-44	270 MMFD	25V ELECT
C-2	7384-2-51	25 MFD	25V ELECT
C-3	7074-2	.01	100V ELECT
C-4	7384-2-51	25 MFD	25V ELECT
C-5	7127-1-12	1 MFD	200VOLT
C-6	7162-3-54	100 MFD	CERAMIC
C-7	7152-1-14	.047 MFD	400V ELECT
C-8	7127-1-14	.01 MFD	400VOLT
C-9	70551-340	470 MMFD	CERAMIC
C-10	7122-4-14	.047 MFD	400VOLT
C-11	7122-4-14	.047 MFD	400VOLT
C-12	7122-4-14	.047 MFD	400VOLT
C-13	7384-2-51	25 MFD	25 V.ELECT
C-14	7384-2-51	20 MFD	25V ELECT
C-15	7074-8	.01 MFD	CERAMIC
C-16	7074-8	.01 MFD	CERAMIC
C-17	7074-3 & 420	1 MFD	50V ELECT
C-18	7387-6	2 MFD	50 VOLT
C-19	7178-12	6039 MFD	200VOLT
C-20	71548-1-11	10 MFD	100VOLT
C-21	71548-1-11	39 MFD	100 VOLT
C-22	716-8-14	270 MMFD	CERAMIC
C-23	73002-48	20005 MFD	1800VOLT
C-24	7384-2	25 MFD	25V ELECT
C-24B	7347-5	1 MFD	400V ELECT
C-24C			
C-24D			
C-25	7347-5	25 MFD	50V ELECT
C-25A		30MFD	500V ELECT
C-25B		20 MFD	400V ELECT
C-25C	7347-5	25 MFD	400V ELECT
C-25D		25 MFD	50V ELECT
C-25E		30MFD	500V ELECT
C-26	7347-5	20 MFD	400V ELECT
C-26B		20 MFD	400V ELECT
C-26C		400 MFD	400V ELECT
C-27	7195-1-14	1 MFD	400 VOLT
C-28		4 MFD	25V NON POLARIZED
C-29	7164-8	.0047 MFD	CERAMIC
C-30	7165-8-64	.0082 MFD	CERAMIC
S-1	5368-48	S.P.S.T.	POWER SW.
S-2	6187-70	S.P.S.T.	CASUALTY SW.
S-3	6485-7	4 POS.	SHORTING TREBLE SW.
S-4	6485-7	4 POS.	SHORTING BASS SW.
S-5	11393-6		FADER SW.
T-1	11225-9		OUTPUT TRANS.
T-2	11218-9		POWER TRANS.
T-3	11213-0		AMPLIF. BOX TRANS.
L-1	11404-8	15 OHM	12 IN. SPEAKER
L-2	6249-2	8 OHM	12 IN. SPEAKER
L-3	11404-8	8 OHM	12 IN. SPEAKER
L-4	5219-16	15 AMP	250V FUSE
F-1	5218-5	2 AMP	50V FUSE
F-2	5632-5	2 AMP	50/160 FUSE
F-4	5632-5	2 AMP	50/160 FUSE
REC.	11223-1		TREBLE TONE
RS-1	6450-0	24 V	SEL. RECT.
RY-1	5632-1	S.P.S.T.	24 V.DC. RELAY

A.C. SIGNAL CHART

USE BALLANTINE AC-VTVM OR HEATHKIT VOLTMETER AV-2
APPLY 10 MILLIVOLT AT 1000 CPS SIGNAL TO INPUT JACKS A & B
VOLUME CONTROL, BASS & TREBLE CONTROLS FULL CLOCKWISE
BALANCE CONTROL SET IN MIDDLE. USE 5 Ω 20 W RESISTOR AS
OUTPUT LOAD FOR EACH CHANNEL.

[illegible]

A.C. VOLTAGES MEASURED FROM GROUND
LINE VOLTAGE 117V
* MEASURED WITH VTVM

Fig. 80. SCHEMATIC WIRING DIAGRAM MODEL 2304S SOUND SYSTEM

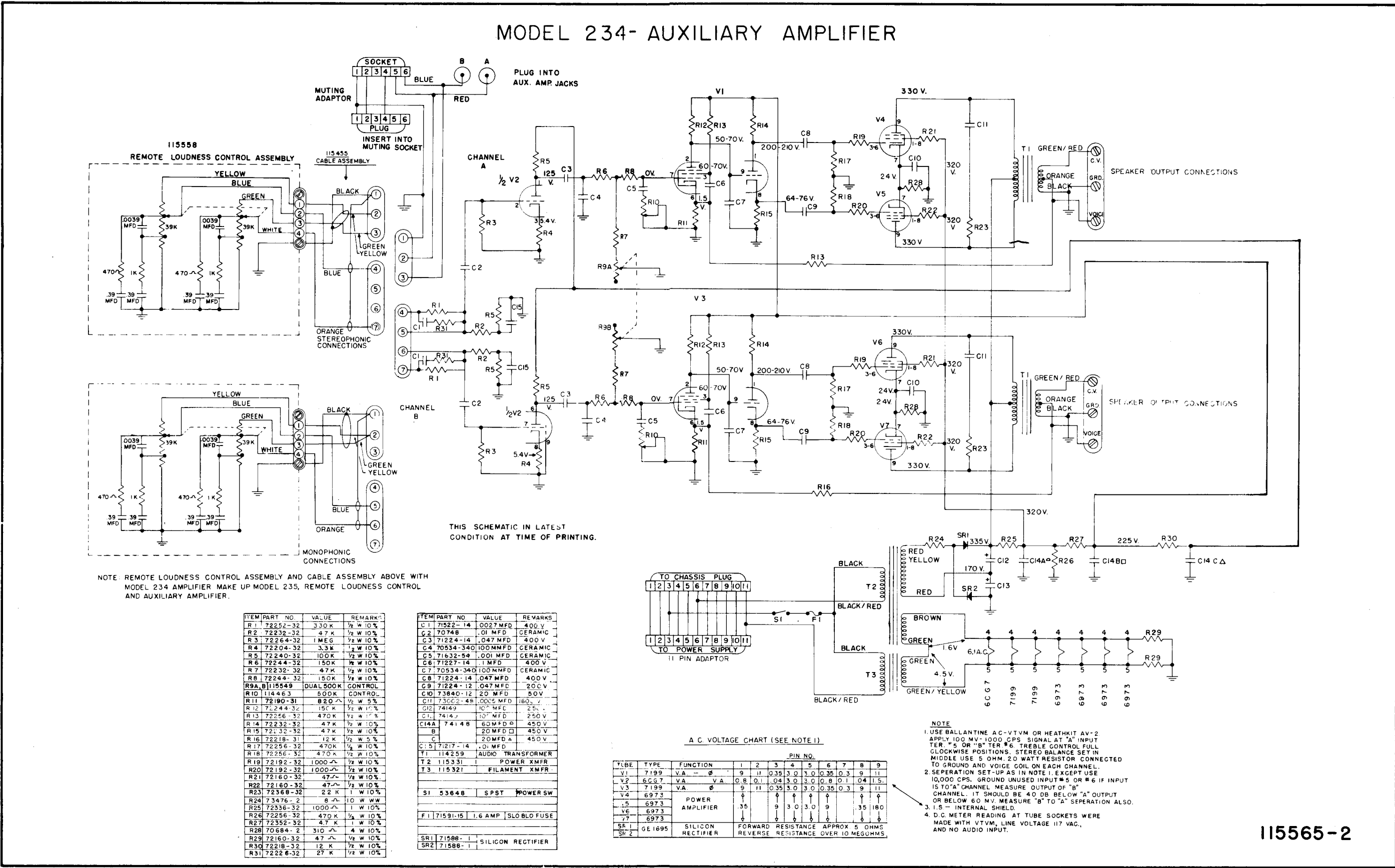


Fig. 81 SCHEMATIC DIAGRAM MODEL 235 AUXILIARY AMPLIFIER EQUIPMENT