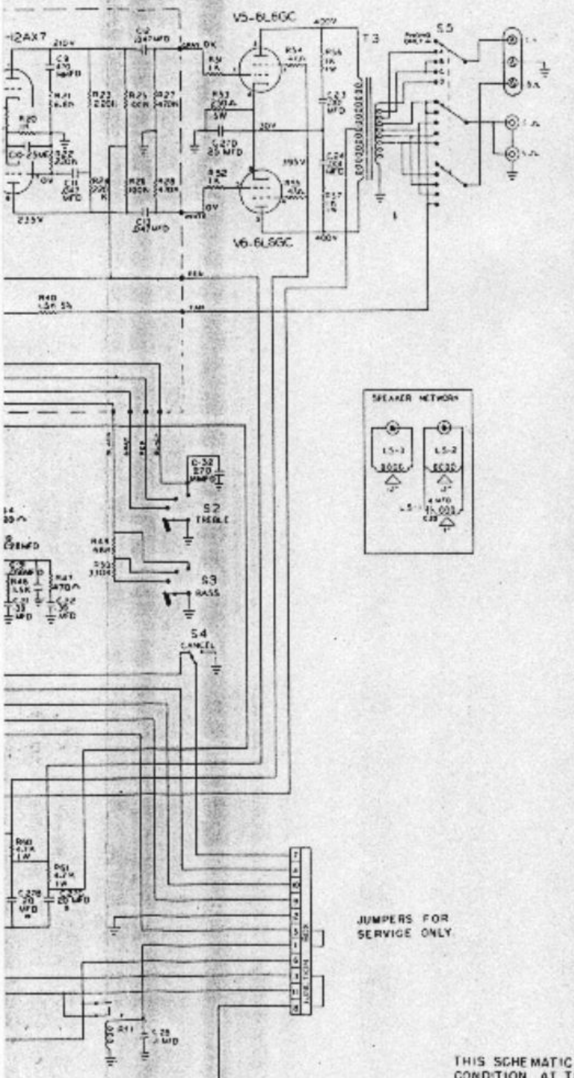
SCHEMATIC – MODEL 540 AMPLIFIER



ITEM	PART NO.	VALUE	REMARKS
R1	[illegible]	1M	1/2 W 10%
R2	[illegible]	[illegible]	1/2 W 10%
R3	[illegible]	68K	1/2 W 10%
R4	[illegible]	[illegible]	1/2 W 10%
R5	[illegible]	82K	1/2 W 5%
R6	[illegible]	68K	1/2 W 5%
R7	[illegible]	150K	1/2 W 5%
R8	[illegible]	2.7M	1/2 W 5%
R9	[illegible]	1M	1/2 W 10%
R10	[illegible]	1K	1/2 W 10%
R11	[illegible]	5.6K	1/2 W 10%
R12	[illegible]	[illegible]	1/2 W 10%
R13	[illegible]	[illegible]	1/2 W 10%
R14	[illegible]	220K	1/2 W 10%
R15	[illegible]	1K	1/2 W 10%
R16	[illegible]	47K	1 W 10%
R17	[illegible]	[illegible]	1/2 W 10%
R18	[illegible]	[illegible]	1/2 W 10%
R19	[illegible]	[illegible]	1/2 W 5%
R20	[illegible]	1K	1/2 W 10%
R21	[illegible]	[illegible]	1/2 W 10%
R22	[illegible]	220K	1/2 W 10%
R23	[illegible]	220K	1/2 W 10%
R24	[illegible]	[illegible]	1/2 W 10%
R25	[illegible]	100K	1/2 W 10%
R26	[illegible]	100K	1/2 W 10%
R27	[illegible]	470K	1/2 W 10%
R28	[illegible]	[illegible]	1/2 W 10%
R29	[illegible]	1M	1/2 W 10%
R30	[illegible]	[illegible]	1/2 W 10%
R31	[illegible]	[illegible]	1/2 W 10%
R32	[illegible]	[illegible]	1/2 W 10%
R33	[illegible]	1M	1/2 W 10%
R34	[illegible]	27K	1/2 W 5%
R35	[illegible]	2.2M	1/2 W 5%
R36	[illegible]	15K	1/2 W 5%
R37	[illegible]	[illegible]	1 W 5%
R38	[illegible]	47K	1/2 W 10%
R39	[illegible]	100K	LEVEL CONTROL
R40	[illegible]	1.5K	1/2 W 5%
R41	[illegible]	[illegible]	1/2 W 5%
R42	[illegible]	100K	1/2 W 10%
R43	[illegible]	[illegible]	1/2 W 10%
R44	[illegible]	500Ω	1/2 W 10%
R45	[illegible]	4.7K	1/2 W 10%
R46	[illegible]	1.5K	1/2 W 10%
R47	[illegible]	470Ω	1/2 W 10%
R48	[illegible]	[illegible]	LOUDNESS
R49	[illegible]	[illegible]	1/2 W 5%
R50	[illegible]	100K	1/2 W 10%
R51	[illegible]	[illegible]	1/2 W 10%
R52	[illegible]	[illegible]	1/2 W 10%
R53	[illegible]	250Ω	[illegible]
R54	[illegible]	47Ω	[illegible]
R55	[illegible]	47Ω	[illegible]
R56	[illegible]	1K	1 W [illegible]
R57	[illegible]	[illegible]	1 W [illegible]
R58	[illegible]	[illegible]	[illegible]
R59	[illegible]	[illegible]	[illegible]
R60	[illegible]	[illegible]	1 W [illegible]
R61	[illegible]	[illegible]	1 W [illegible]

ITEM	PART NO.	VALUE	REMARKS
C1	[illegible]	[illegible]	CERAMIC
C2	[illegible]	[illegible]	[illegible]
C3	[illegible]	[illegible]	[illegible]
C4	[illegible]	[illegible]	[illegible]
C5	[illegible]	[illegible]	[illegible]
C6	[illegible]	[illegible]	CERAMIC
C7	[illegible]	[illegible]	CERAMIC
C8	[illegible]	[illegible]	[illegible]
C9	[illegible]	[illegible]	CERAMIC
C10	[illegible]	[illegible]	[illegible] ELECT.
C11	[illegible]	.047 MFD	400V
C12	[illegible]	.047 MFD	400V
C13	[illegible]	.047 MFD	400V
C14	[illegible]	[illegible] MFD	CERAMIC
C15	[illegible]	[illegible] MFD	CERAMIC
C16	[illegible]	20 MFD	[illegible] ELECT.
C17	[illegible]	1 MFD	[illegible]
C18	[illegible]	[illegible] MFD	[illegible]
C19	[illegible]	[illegible] MFD	400V
C20	[illegible]	[illegible] MFD	[illegible]
C21	[illegible]	[illegible] MFD	[illegible]
C22	[illegible]	[illegible] MFD	[illegible]
C23	[illegible]	[illegible] MFD	[illegible]
C24	[illegible]	[illegible] MFD	[illegible]
C25	[illegible]	[illegible] MFD	[illegible] ELECT.
C26	[illegible]	[illegible] MFD	[illegible] ELECT.
C27A	[illegible]	[illegible] MFD	[illegible] ELECT.
C27B		[illegible] MFD	[illegible] ELECT.
C27C		[illegible] MFD	[illegible] ELECT.
C27D		25 MFD	[illegible] ELECT.
C28	[illegible]	[illegible] MFD	400 V
C29	[illegible]	[illegible] MFD	[illegible]
C30	[illegible]	[illegible] MMFD	CERAMIC
C31	[illegible]	[illegible] MFD	200V
C32	[illegible]	270 MMFD	CERAMIC
F1	[illegible]	15A.	FUSE
F2	[illegible]	5 A.	FUSE
F3	[illegible]	[illegible]	SLO-BLO FUSE
F4	[illegible]	[illegible]	SLO-BLO FUSE
RY1	[illegible]	SPST	PHASE RELAY
	[illegible]		
S1	[illegible]	SPST	POWER SWITCH
S2	[illegible]	[illegible]	TREBLE TONE
S3	[illegible]	[illegible]	BASS TONE
S4	[illegible]	SPDT	CANCEL SW.
S5	[illegible]	[illegible]	FADER SW.
SR1	[illegible]	500V PIV	[illegible]
SR2	[illegible]	[illegible]	[illegible]
	[illegible]	RECTIFIER	[illegible]
T1	[illegible]		POWER
T2	[illegible]		[illegible] TRANSFORMER
T3	[illegible]		[illegible] OUTPUT
PS1	[illegible]	RECTIFIER SELENIUM	
FS1	[illegible]	TREBLE TONE FILTER	
LS-1	[illegible]	[illegible]	8" SPEAKER
LS-2	[illegible]	[illegible]	12" SPEAKER
LS-3	[illegible]	8 Ω	12" SPEAKER

A.C. SIGNAL CHART

USE BALLANTINE AC VTVM OR HEATHKIT VOLTMETER AV-3.
APPLY 10 MILLIVOLT AT 1000 CPS SIGNAL TO INPUT JACK.
VOLUME CONTROL, BASS & TREBLE CONTROLS FULL CLOCKWISE.
USE 5 Ω 20W RESISTOR AS OUTPUT LOAD.

TUBE		FUNCTION	PIN NO.								
			1	2	3	4	5	6	7	8	9
V1	7025	V.A., C.F.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	4.5V
V2	12AX7	V.A., RECT.	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
V3	12AU7	P.I., V.A.	[illegible]	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
V4	12AX7	Ø	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
V5	6L6GC	P.A.	[illegible]	[illegible]	75V	[illegible]	[illegible]	[illegible]	[illegible]	30MV	
V6	6L6GC	P.A.	0	[illegible]	75V	[illegible]	[illegible]	[illegible]	[illegible]	30MV	
SR1	500V PIV	RECT.	60CPS. A.C. VOLTS [illegible]								
SR2	500V PIV	RECT.	WITH VTVM [illegible]								

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

THIS SCHEMATIC IS SHOWN IN THE LATEST CONDITION AT TIME OF PRINTING.

118777-2

0 Sound System Schematic Wiring Diagram