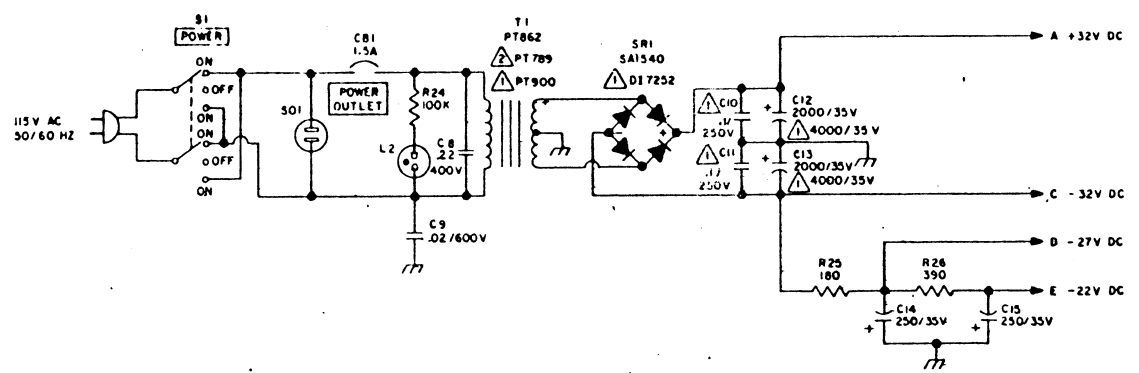


SPEAKER IMPEDANCE  
4 Ω TOTAL  
[STUDIO 12 & 20]



CONTD FROM 1D012-02

⚠️ ADJUST DC OFFSET POT TO 0V ±50MV AT SPEAKER TERMINALS.

⚠️ ADJUST BIAS POT AT 100V LINE, 4 OHMS LOAD, 1 VOLT P-P TILL CROSSOVER DISTORTION JUST DISAPPEARS.

ITEM	STANDEL PART NO.	DESCRIPTION
R1	5-22	RESISTOR
R2	5-92	RESISTOR
R3	5-34	RESISTOR
R4	10-15	POT
R5	5-92	RESISTOR
R6	5-18	RESISTOR
R7	5-21	RESISTOR
R8	5-62	RESISTOR
R9	5-63	RESISTOR
R10	5-28	RESISTOR
R11	5-94	RESISTOR
R12	5-22	RESISTOR
R13	10-14	POT
R14	5-63	RESISTOR
R15	5-20	RESISTOR
R16,17	5-63	RESISTOR
R16,15,20,21	5-97	8 Ω TOTAL
R22	5-93	POT
R23	5-95	RESISTOR
R24	5-38	RESISTOR
R25	5-8	RESISTOR
R26	5-16	RESISTOR
C1	4-20	ELECTROLYTIC CAP
C2	4-30	ELECTROLYTIC CAP
C3	4-31	ELECTROLYTIC CAP
C4	4-30	ELECTROLYTIC CAP
C5	4-29	ELECTROLYTIC CAP
C6	4-19	DISC CAPACITOR
C7	4-13	CAPACITOR
C8	4-26	ELECTROLYTIC CAP
C9	4-15	ELECTROLYTIC CAP
C10,11	4-13	ELECTROLYTIC CAP
C12	4-4	⚠️ 4-2
C13	4-3	⚠️ 4-1
C14,15	4-6	ELECTROLYTIC CAP
J1	15-1	CLOSED CIRCUIT JACK
J2	15-2	SPEAKER JACK & LEAD
D1,2,3	7-18	DIODE
Q1,2,3	7-15	SIGNAL TRANSISTOR
Q4	7-22	PRE-DRIVER TRANSISTOR
Q5,6,7,8	⚠️ 7-12 ⚠️ 7-13	OUTPUT TRANSISTOR
Q9	7-22	PRE-DRIVER TRANSISTOR
Q10	7-23	DRIVER TRANSISTOR
T1	2-8 ⚠️ 2-9, ⚠️ 2-1	POWER TRANSFORMER
S1	7-11 ⚠️ 7-15	BRIDGE RECTIFIER
L1	13-5	BLUB
L2	13-2	PILOT LIGHT
S1	8-6	DPDT POWER SWITCH
S01	5-1	POWER OUTPUT
CB1	17-107	CIRCUIT BREAKER

SCHEMATIC DIAGRAM  
1969  
ALTERNATE POWER SECTION  
ALL CUSTOM & STUDIO MODELS

DRAFTSMAN HMM CHECKED APP DATE  
M.D.B. R.G.H. 3-16-69

1D012-03