

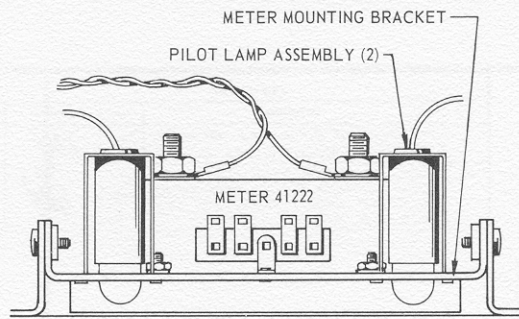


Figure 13. 41222 VU Merer Installation

OUTPUT CONNECTIONS

Terminals 1, 2, 3, and 4 on the output terminal-strip are for loads of 150 and 600 ohms. Proper strapping combinations and

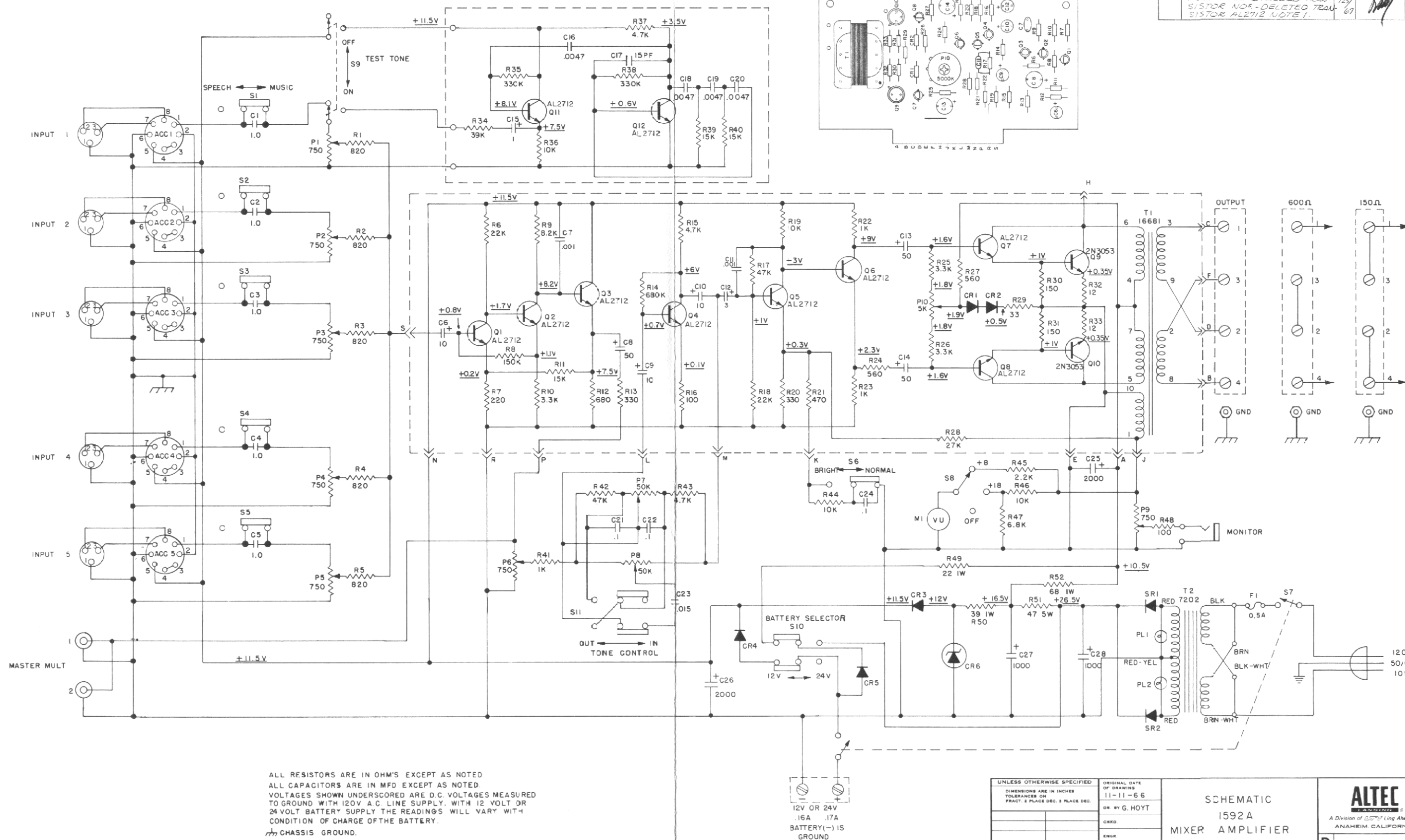
output connections are diagrammed on the rear of the amplifier and in Figure 12.

COMMON GROUND CONNECTIONS

The circuit ground in the 1592A is connected to the chassis at the input, to prevent RF or other noise picked up on shields of microphone cable from being detected and amplified by the system. Any additional connection between circuit and chassis or ground will cause system hum. If the chassis of the 1592A and the chassis of a power amplifier are mounted in the same rack or cabinet, or if the 3 wire power cord of one is inserted in the convenience outlet of the other, or if both are inserted in outlets providing a third wire ground, the inter-chassis connection will be automatically made.

PARTS LIST

Reference Designator	Name and Description	Reference Designator	Name and Description
C1,2,3,4,5	Capacitor, 1.0 μ F, 3V (Centralab UK105)	R14	Resistor, 680K Ω $\pm$ 10%, 1/4W (A.B.)
C6,9,10	Capacitor, 10 μ F, 15V (Callins 2-55UPSS10-15)	R15,37,42,43	Resistor, 4.7K Ω $\pm$ 10%, 1/4W (A.B.)
C7,11	Capacitor, .001 $\pm$ 10%, Ceramic Disc, 1/4" lead spacing	R16,48	Resistor, 100 Ω $\pm$ 10%, 1/4W (A.B.)
C8,13,14	Capacitor, 50 μ F, 15V (Callins 4-55UPSS50-15)	R17	Resistor, 4.7K Ω $\pm$ 10%, 1/4W (A.B.)
C12	Capacitor, 3 μ F, 15V (Callins 2-55UPSS3-15)	R19,36,44,46	Resistor, 10K Ω $\pm$ 10%, 1/4W (A.B.)
C15	Capacitor, 1.0 μ F, 15V (Callins 2-55UPSS1-15)	R21	Resistor, 470 Ω $\pm$ 10%, 1/4W (A.B.)
C16,18,19,20	Capacitor, .0047 $\pm$ 10%, 100V (C.D. #WMF1D47)	R22,23,41	Resistor, 1K Ω $\pm$ 10%, 1/4W (A.B.)
C17	Capacitor, 15 μ F $\pm$ 10%, Ceramic Disc, 1/4" lead spacing	R24,27	Resistor, 560 Ω $\pm$ 10%, 1/4W (A.B.)
C21,22,24	Capacitor, 0.1 μ F, $\pm$ 10%, 100V (C.D. #WMF1P1)	R28	Resistor, 27K Ω $\pm$ 10%, 1/4W (A.B.)
C23	Capacitor, .015 μ F, $\pm$ 10%, 100V (C.D. #WMF1S15)	R29	Resistor, 33 Ω $\pm$ 10%, 1/4W (A.B.)
C25,26	Capacitor, 2000 μ F, 15V, 1-3/8 x 2" (Sprague TVL1168 or Mallory WP041A)	R30,31	Resistor, 150 Ω $\pm$ 10%, 1/4W (A.B.)
C27,28	Capacitor, 1000 μ F, 35V, 1-3/8 x 2" twist-lock type (Sprague or Mallory or C.D.)	R32,33	Resistor, 12 Ω $\pm$ 10%, 1/4W (A.B.)
CR1,2,3,4,5	Diode, Rectifier (Diodes Inc. #TS-1)	R34	Resistor, 39K Ω $\pm$ 10%, 1/4W (A.B.)
SR1,2	Diode, Rectifier (Diodes Inc. #TS-1)	R35,38	Resistor, 330K Ω $\pm$ 10%, 1/4W (A.B.)
CR6	Diode, Zener, 12V $\pm$ 5%, 2W (Semcor #LMZX 12A)	R45	Resistor, 2.2K Ω $\pm$ 10%, 1/4W (A.B.)
F1	Fuse, 0.5A 3AG type	R47	Resistor, 6.8K Ω $\pm$ 10%, 1/4W (A.B.)
P1,2,3,4,5,6	Potentiometer, 750 Ω (ALTEC 13600-2)	R49	Resistor, 22 Ω $\pm$ 10%, 1W (A.B.)
P7,8	Potentiometer, 50K linear (ALTEC 14573-1)	R50	Resistor, 39 Ω $\pm$ 10%, 1W (A.B.)
P9	Potentiometer, 750 Ω (ALTEC 14574-5)	R51	Resistor, 47 Ω $\pm$ 10%, 5W W.W. Axial leads
P10	Potentiometer, (ALTEC 14698-1)	R52	Resistor, 68 Ω $\pm$ 10%, 1W (A.B.)
PL1,2	Pilot Lamp, 28V 40 MA, (GE #1819)	S1,2,3,4,5,6	Switch, Rocker DPDT, Stackpole RS50 with flat bracket and Style C white knob
Q1,2,3,4,5,6,7,8,11,12	Transistor, (ALTEC 2712)	S7	Switch, Power CTS type SWF 125V 3A, 20V 5A 3/8" lg bushing - shaft length 11/16" fms.
Q9,10	Transistor, 2N3053	S8	Switch, Rotary (Centralab type PA215) (1 pole 3 pos.) with locating lug, 3/8" lg bushing, shaft length 3/4" fms.
R1,2,3,4,5	Resistor, 820 Ω $\pm$ 10%, 1/4W (A.B.)	S9	Switch, Rotary (ALTEC 41238-1)
R6,18	Resistor, 22K Ω $\pm$ 10%, 1/4W (A.B.)	S10	Switch, Slide DPDT, (Stackpole SS-50) blk trigger
R7	Resistor, 220 Ω $\pm$ 10%, 1/4W (A.B.)	S11	Switch, Slide miniature, DPDT (Continental Wirt G126ETMH4-40)
R8	Resistor, 150K Ω $\pm$ 10%, 1/4W (A.B.)	T1	Transformer - Output (ALTEC 16681)
R9	Resistor, 8.2K Ω $\pm$ 10%, 1/4W (A.B.)	T2	Transformer - Power (ALTEC 7202)
R10,25,26	Resistor, 3.3K Ω $\pm$ 10%, 1/4W (A.B.)		Phone Jack, single circuit, nylon (Switchcraft N-111)
R11,39,40	Resistor, 15K Ω $\pm$ 10%, 1/4W (A.B.)		Knob, 1-1/2", (Kurz-Kasch S-1653-3L)
R12	Resistor, 680 Ω $\pm$ 10%, 1/4W (A.B.)		Knob, 1", (Kurz-Kasch S-1647-3L)
R13,20	Resistor, 330 Ω $\pm$ 10%, 1/4W (A.B.)		Knob, 3/4", (Kurz-Kasch S-1645-3L)
			Phono Jack, insulated, (Switchcraft #3511 or Carter K21)
			Fuseholder, Bus (HKP)
			AC Cord Set (Belden #17237)
			Condenser Wafer (Mallory BP6)



REVISIONS				
LYN	DESCRIPTION	DATE	APPROVAL	ENGR
2	RELOCATED C11 & WAS .01 MFD; C12 WAS 1 MFD; C7 WAS .001 PF	9/13/67	<i>[Signature]</i>	<i>[Signature]</i>
3	ADDED (AND BUS TO PIN 2 ACC1 THRU 5. ADDED TRANSISTOR NOS. DELETED TRANSISTOR AL2712 NOTE 1.	9/25/67	<i>[Signature]</i>	<i>[Signature]</i>

Figure 14