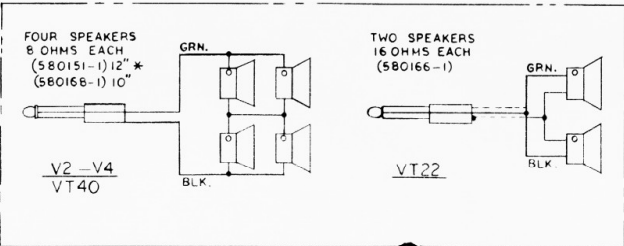


- NOTES:**
- ALL RESISTORS IN OHMS 1/2W 10T UNLESS OTHERWISE SPECIFIED.
  - ALL CAPACITORS IN MFD. AND 400V UNLESS OTHERWISE SPECIFIED.
  - D.C. VOLTAGE READINGS WITH NO SIGNAL APPLIED USING A 20,000 OHM PER VOLT VOLTMETER.
  - NUMBERS IN PARENTHESES REFER TO MAGNAVOX PART NUMBER.
  - D.C. VOLTAGE READINGS ARE POSITIVE WITH RESPECT TO CHASSIS GROUND UNLESS OTHERWISE SPECIFIED.
  - THE TWO 7027 OUTPUT TUBES MAY BE REPLACED WITH 6550 TUBES AT THE CUSTOMER'S OPTION FOR IMPROVED PERFORMANCE.
  - DO NOT OPERATE AMPLIFIER WITH EITHER OPTOISOLATOR P101 OR P102 REMOVED FROM CIRCUIT AS DAMAGE WILL RESULT TO SOUNDING DEVICE.
  - A.C. VOLTAGES ARE NOTED WITHIN BOXES.
  - CIRCUIT OF CHASSIS MAY VARY SLIGHTLY FROM THAT SHOWN HERE DUE TO NORMAL PRODUCTION CHANGES.



**PARTS LIST:**

SWITCHES	SW 303 & 305	160804-10
SWITCH	SW 302	160803-2
SWITCH	SW 301	160803-6
CONTROL	R103	220668-1
CONTROL	R104, 106, 107	220663-18
CONTROL	R105	220663-17
CONTROL	R108	220663-15
CONTROL	R109	220663-16
INDUCTOR	L1 (800 MH)	361604-3 GREEN
INDUCTOR	L2 (300 MH)	361604-2 ORANGE
INDUCTOR	L3 (100 MH)	361604-1 WHITE
WINDING	W08 Z06	ALL (1 AMP 1000V) 530533-2

<b>ADDITIONAL SPECIFICATIONS</b>	<b>MATERIAL</b>	<b>FINISH</b>
	— TOLERANCES — UNLESS OTHERWISE SPECIFIED	
	DECIMALS ± TOL FRACTIONS ± TOL	
	X .001 UP TO 6 1/8	
	XX .005 6 TO 24 1/32	
	XXX .010 ABOVE 24 1/16	
	<b>THREADS — CLASS 2 CONCENTRICITY</b>	
	1/16" AFTER PLATING .001 L/16"	
	<b>MACHINE FINISHES</b> ANGULAR TOL ± 1/2°	
	56 MICRO INCH MAX DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED ON DRAWING.	
DO NOT SCALE DRAWING	DATE	SCALE
THIS MATERIAL IS THE PROPERTY OF, AND PROPRIETARY TO, THE MAGNAVOX COMPANY AND IS NOT TO BE DISCLOSED TO OTHERS OR USED FOR OTHER THAN AUTHORIZED MAGNAVOX PURPOSES WITHOUT THE WRITTEN PERMISSION OF THE MAGNAVOX COMPANY. THIS MATERIAL MUST BE RETURNED TO THE MAGNAVOX COMPANY WHEN THE HOLDER NO LONGER REQUIRES ITS USE FOR AUTHORIZED MAGNAVOX PURPOSES.	DATE	SCALE
	DATE	SCALE
	DATE	SCALE

**THE AMPEX COMPANY**  
DIVISION OF THE MAGNAVOX COMPANY  
P.O. BOX 315 LINDEN, N.J. 07036

**SCHEMATIC V2 & V4  
(DISTORTION) V4 & VT22**

DATE: 2-6-76  
SCALE: 7" x 10 13/16" 591761-1

REVISIONS  
A1 REWORKED AM-1447  
2-10-76