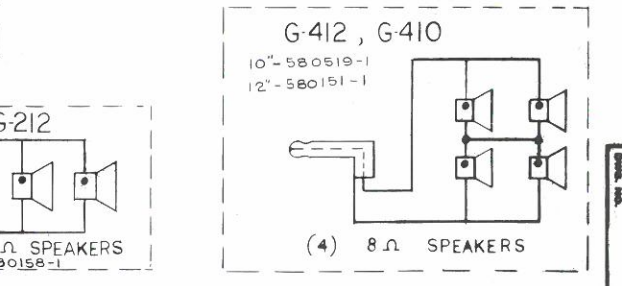
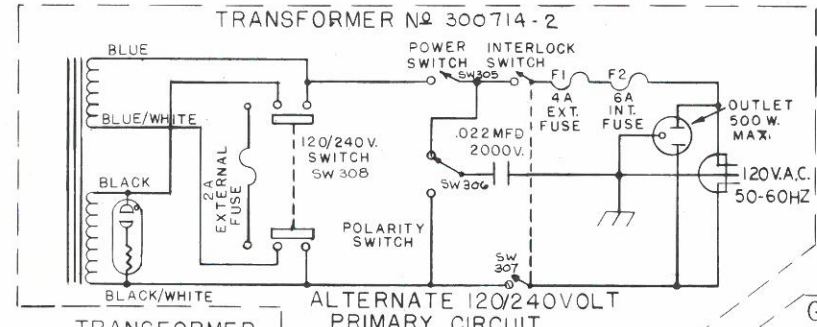


NOTES:

- ALL RESISTORS IN OHMS 1/2 W 10% UNLESS OTHERWISE SPECIFIED.
- ALL CAPACITORS IN MFD. AND 250 VOLT UNLESS OTHERWISE SPECIFIED.
- SEMICONDUCTORS ARE SELECTED. FACTORY REPLACEMENTS RECOMMENDED. UNSELECTED SEMICONDUCTORS MAY EXHIBIT IMPROPER OPERATION OR SHORT LIFE.
- CIRCUIT OF CHASSIS MAY VARY SLIGHTLY FROM THAT SHOWN HERE DUE TO NORMAL PRODUCTION CHANGES.
- NUMBERS IN PARENTHESIS REFER TO MAGNAVOX PART NUMBERS.
- D.C. VOLTAGE READINGS WITH NO SIGNAL APPLIED USING A 20,000 OHM PER VOLT VOLTMETER AND ARE POSITIVE WITH RESPECT TO CHASSIS GROUND UNLESS OTHERWISE SPECIFIED.
- ADJUST R212 BIAS POT. TO READ .011 VOLTS D.C. WITH NO LOAD CONNECTED AND NO SIGNAL APPLIED ACROSS PINS 6 AND 9 OF OUTPUT CONNECTOR.
- INPUT SENSITIVITY WITH CONTROLS SET FOR FLAT FREQUENCY RESPONSE, IS 11.5 MILLIVOLTS RMS IN, FOR 28.28 VOLTS NOMINAL OUTPUT WITH VOLUME AT MAXIMUM. ACCEPTABLE OUTPUT LIMITS ARE 25.4 VOLTS TO 31.1 VOLTS.
- POWER OUTPUT SHOULD BE AT LEAST 120 WATTS RMS CONTINUOUS AT LESS THAN 0.2% T.H.D.
- TREMOLO ADJUSTMENT PROCEDURE:
 1. SET TONE CONTROLS FLAT; SPEED, INTENSITY, DIMENSION & R127 CCW; OPEN TREMOLO FOOT SWITCH (ON); WITH .01V/400 Hz. INTO HIGH GAIN JACK CHANNEL 2; SET OUTPUT FOR 10 VOLTS RMS.
 2. CLOSE TREMOLO FOOT SWITCH; TURN INTENSITY CW; ADJUST R127 FOR 5 VOLTS RMS.
 3. SET SPEED CW; OPEN TREMOLO SWITCH; REMOVE INPUT SIGNAL; SET VOLUME CONTROL CCW; ADJUST R126 FOR MINIMUM AT LOAD.

SEMICONDUCTOR CROSS REFERENCE:

IC 1	RCM739P	610265-1	RAYTHEON
IC 2, IC 103	N5709A	610265-2	FAIRCHILD
IC 101	NE540L	610266-1	SIGNETICS
IC 102	NE566V	610267-1	SIGNETICS
IC 104	CA3080	610268-1	RCA
IC 105	CA3046	610269-1	RCA
Q101, Q206	2N3568	610263-3	FAIRCHILD
Q102, Q103	2N3856A	610271-1	GE
Q201, Q202, Q203	2N4249	610270-1	FAIRCHILD
Q204	MJE350	610284-2	MOTOROLA
Q205	MJE340	610284-1	MOTOROLA
Q207	2N3638	610263-4	FAIRCHILD
Q301	2N3403	610263-6	GE
Q302	2N5682	610262-2	MOTOROLA
Q303	2N5680	610262-1	MOTOROLA
Q304, Q305, Q306, Q307	2N4348	610259-2	RCA
Q401	40389	610262-6	RCA
Q402	40391	610262-5	RCA



REVISIONS

A RELEASED 5-21-73

B REVISED EN CHANGED VALUES ON R211 WAS 1K NOW 18K & ON R213 WAS 1K NOW 10K

ADDITIONAL MAGNAVOX SPECIFICATIONS	MATERIAL	FINISH

TOLERANCES UNLESS OTHERWISE SPECIFIED		CONCENTRICITY		ANGULAR TOL. ± 1/2°	
DECIMALS	± TOL	FRACTIONS	± TOL		
.X	.030	UP TO 6	1/64		
.XX	.020	6 TO 24	1/32		
.XXX	.010	ABOVE 24	1/16		

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

MODELS
G-212, G-410, G-412

SIGNATURE: *W. H. H. H.* DATE: 5/21/73
DR. J. DISANO 4-3-73
ENG. *W. H. H. H.* 5/21/73
SCALE: D

591735-1