



ALL DC, AC & RF VOLTAGES TAKEN WITH VTVM\*

	1	2	3	4	5	6	7	8	9
12AT7 (a) PRE-AMP	112	0	1.7	3.1 AC		120	0	2	3.1 AC
6U8 AF DRIVER	DC	290	-13	155	"	"	290	0	8.5
12AT7 (b) AF MODULATOR	DC	17	2	"	"	30	"	295	0
6BA7 MIXER	DC	85	-2.3	2	"	"	0	-4	0
12BH7 CATH FOLL IND RECT	DC	0	-28	.8	3.1	3.1	280	60	75
2-6AG7 POWER AMP	DC	0	3.1	300	-10	0	300	3.1	300
12AT7 (c) VOICE AMP RELAY CONT	DC	165	26	27	3.1	3.1	60	.05	.9
6AL5 VOICE RECT	DC	-5	-110	3.1	3.1	86	0	-15	
6E5 RF IND	DC	3.1	285	-32	315	0	3.1	AC	
5U4 G HV RECT	DC	0	315	0	350	0	0	315	

OPERATION  
 \*RF VOLTAGES ARE PEAK MULTIPLY BY .707 FOR RMS  
 CONDITIONS  
 OPERATION - MANUAL  
 CARRIER - MAX  
 SPEECH LEVEL - OFF  
 VOX SENS - OFF  
 RF OUTPUT - 4 MC  
 IND SW-SET MAX LEVEL  
 IND LEVEL - MAX

REMOVE BL-R JUMPER IF TALK TO CALIBRATE IS NOT DESIRED

\*AUDIO OUTPUT FOR OSCILLOSCOPE TRAPEZOID PATTERNS

K = X 1000 OHMS  
 M = MEGOHMS  
 RESISTORS ARE ALL 1/2 WATT EXCEPT WHERE NOTED  
 IN SOME UNITS A .0068 IS USED IN PLACE OF .006 MF  
 SWITCHES ARE SHOWN FROM REAR - SEC 1 IS NEXT TO PANEL  
 IN SOME UNITS A 2.7 MMF IS USED IN PLACE OF 3 MMF.

ALTERNATE WIRE COLORS ARE SHOWN IN PARENTHESES. PK = PINK, TN = TAN, VL = VIOLET.

ALL FIL. LEAD PAIRS ARE BROWN & YELLOW

POWER TRANS. 27PF-274  
 115 V. 60 ~  
 REV 12-16-57 REV 2-21-58  
 REV 11-5-56 REV 5-3-57  
 REV 4-5-55 2-20-56 6-14-56  
 CORRECTED MOD. CKT. 7-21-54  
 REVISED 6-11-54 6U8-9MC OSC  
 FOR SERIAL NO. BEGINNING 2242  
 REV 10-9-58

DRG NO WW202  
 SCHEMATIC MULTIPHASE EXCITER MODEL 20A  
**CENTRAL ELECTRONICS, INC.**  
 1247 BELMONT AVE.  
 CHICAGO 13, ILL.  
 3-1-54

SERIAL # 7340