



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	290	-13	155	"	"	290	0	8.5	0
12AT7 (b) AF MODULATOR	295	0	4	"	"	295	0	4	"
6BA7 MIXER	85	-2.3	2	"	"	0	-4	0	280
12BH7 CATH FOLL IND RECT	0	-28	.8	3.1 AC	3.1 AC	280	60	75	3.1 AC
2-6AG7 DC POWER AMP	0	3.1 AC	300	-10	0	300	3.1 AC	300	175
12AT7 (c) VOICE AMP RELAY CONT	165	26	27	3.1 AC	3.1 AC	60	.05	.9	3.1 AC
6AL5 VOICE RECT BIAS RECT	-5	-110	3.1 AC	3.1 AC	86	0	-15		
6E5 RF IND	3.1 AC	285	-32	315	0	3.1 AC			
5U4 G HV RECT	0	315	0	350	0	350	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

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

DRG NO WW202
SCHEMATIC
MULTIPHASE EXCITER
MODEL 20A

CENTRAL ELECTRONICS, INC.
1247 BELMONT AVE.
CHICAGO 13, ILL.

3-1-54

SERIAL # 7340