



CABLE ASSY (REF)
 * B7-54-000 USED WITH SYSTEM BZZ
 901- RUN 'A-E'
 903- RUN 'A-C'
 * B7-5L-000 USED WITH FRONT PANEL
 (INDEPENDENT OPERATION)
 * B7-5Z-041- USED W/902-RUN 'A-E'
 * SEE RF LEVEL CONTROL, ZONE 'C'

NOTES:
 1) RESISTOR IN OHMS R1-R51 USED
 2) CAPACITORS IN UF C1-C71 USED
 3) INDUCTORS IN L1-L13 USED
 4) FEED THRU CAPS ARE .001UF

TABLE 1 - TRANSFORMER WIRING

CONFIGURATION	TAP NUMBER									
	202	220	230	240	220/200	240/415	270/180	280/140		
T1	A	C59	C59	C59	C59	C62	C63	C64	C65	
	B	C61	C62	C63	C63					
	N				C59	C59	C59	C59		
	N									
T3	A	X3.X4	X3.X7	X3.X7	X3.X10	X7	X10	X13	X7	
	B	X1.X5	X1.X8	X1.X8	X1.X11	X8	X11	X14	X8	
	C	X2.X6	X2.X9	X2.X9	X2.X12	X9	X12	X15	X9	
	N					X12.3	X12.3	X12.3	X12.3	

* A,B,C REFERS TO PHASES A,B,C
 N REFERS TO NEUTRAL

TABLE 2 - TEST POINTS

PARAMETER	RECEPTACLE J3		USE 100.0 A METER		UNITS
	POSITIVE	NEGATIVE	FULL SCALE	STAND BY	
BIAS	K	T	50	25	28 KW VOLTS
OSCILLATOR	T	H	100	20	20 VOLTS
HI-VOLTAGE	J	T	5000	0	4100 VOLTS
BUFFER CURR	N	P	500	0	75 MA
P.A. CURRENT	M	P	2000	0	280 MA
GRID CURRENT	L	T	500	NEG.	140 MA
AUTO LEVEL CONT.	S	T	1	0	0.14 VOLTS
B+ SUPPLY	G	T	1000	J	255 VOLTS
SCREEN GRID	E	T	1000	0-130V	130 VOLTS

* VALUES FOR NOMINAL PWR OUTPUT OF 112 KW WILL VARY WITH RF PWR LEVEL FOR PWR LEVELS LESS THAN 400W THE GRID CURRENT WILL BE NEGATIVE

WARNING
 EXTERNAL COOLING MUST BE PROVIDED TO P.A., BUFFER & OSCILLATOR TUBES IF COVERS ARE REMOVED EVEN IF HIGH VOLTAGE IS NOT APPLIED

NOTICE: NOT FOR USE OR DISCLOSURE OUTSIDE MATERIALS RESEARCH CORP. EXCEPT UNDER WRITTEN AGREEMENT

MATERIALS RESEARCH CORPORATION
 ORANBURG, NEW YORK

SCHEMATIC 112 KW RF GENERATOR

REV	DESCRIPTION	DATE	DRN	CHK	APPR	FINISH	DATE	DATE	DATE	DATE	PART NO.
AJ	TUNE AS IN (R) IN WAS 3-6-62	1/25/62	4/2	82	DM	09					112-63-014
AH	TUNE 'D' AS IN PIN 3100500	1/25/62	4/2	82	DM	09					112-63-014
AG	REPLACES PIN 3100500	1/25/62	4/2	82	DM	09					112-63-014

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