REVISIONS							
ZONE	SYM	DESCRIPTION	DATE	E.N.R. NO.	DRAFT	CHKD	APPD
	B	ORIGINAL RELEASE FOR PRODUCTION	1-14-66		VE		
	A	UPDATED SEE SHEETS 1 & 2	2-24-66	15403	ML	VE	
	B	SEE SHEETS 1 & 2	3-8-66	15845	ML	VE	
	C	FROM BE+105V DEL. FROM R101, CONN. SUPPLY GRID TO CATHODE 2 J3C	10-3-66	16003	JL		
		SEE SHEET 1					
	D	SIZE WAS 220 SEE SHEETS 1 & 2	10-19-66	16338	JL		

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
LONGHI			LIST OF MATERIAL	

MATERIAL

FINISH

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

TITLE: DIAGRAM, SCHEMATIC (GPR92A)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS X.X ±.03, X.XX ±.01, X.XXX ±.005; FRACTIONS ±1/64; ANGLES ±1° 30'

DRAWN: [illegible] DATE 11-14-66
CHECKED: DATE 11/14/66
ENGR. APPR. DATE
MFG. APPR. DATE

FINAL APPROVAL: DATE 11/14/66

SIZE: D | CK1090D | REV. LTR.

SHEET 3 OF 3

(D)

(E)

CONTINUED FROM SHEET 2

CONTINUED ON SHEET 2

CK-1090-D

V114 6BA6 4TH IF AMPL

V115A 1/2 12AT7 PRODUCT DETECTOR

V115B 1/2 12AT7 BFO

V116 6AB4 BFO ISOL AMPL

V117A 1/2 12AX7A AUDIO DRIVER

V117B 1/2 12AX7A METER AMPL

V118 6AQ5A AUDIO OUTPUT

T102 AUDIO OUTPUT

P/O E101

LINE

SPEAKER

Z101 BFO ASSY

S109 MODE

S109	
POS	FUNCTION
1	AM
2	CW
3	SSB

NOTE: S109 SHOWN IN AM POSITION.

S109A AVC

S109B +105V EXT (SHEET 1)

+105V INT (SHEET 1)

RF GAIN

BFO IN

T130

CR105 IN34A AM DETECTOR

DIODE LOAD

LIMITER

S108 OFF

PHONE LEVEL

J103 PHONES

M101 0-1 MA

RF ADJ R196 25MEG

VU METER ADJ R210 250K

CR107 IN34A

S110 RF AF

R200 500 METER ZERO ADJ

R195 82K 2W

NOTES:

1 — TO SHUT OFF LOUDSPEAKER WHEN PHONES ARE INSERTED, CONNECT SPEAKER BETWEEN DESIRED TAP AND O.n. TERMINALS, FOR CONTINUOUS SPEAKER OPERATION WITH PHONES, CONNECT TO DESIRED TAP AND TERMINAL 8 GND.

2 — RESISTANCE VALUES IN OHMS, CAPACITY VALUES IN MICROFARADS AND INDUCTANCE IN MICROHENRIES UNLESS OTHERWISE SPECIFIED.

3 — ⊖ DENOTES INSULATED SWITCH TERMINALS.

NOTE: FOR 230V OPERATION REMOVE JUMPER ~~3-4~~ AND ADD JUMPER BETWEEN TERMINAL 2 AND SELECTED TERMINAL 3.

T101 POWER

CR101

F101 1.5A/115V .75A/230V

S101 AC OFF

NOTE: "S101" IS GANGED TO RF GAIN CONTROL R10 (SEE SHEET 1).

L101 6.5H

V101 OB2 VOLTAGE REGULATOR

P102 J102 P101 J101

V102 6CB6 · V103 6AB4 · V104 6BA6 · V105 6EW6 · V106 6BA7 · V107 6AH6 · V108 6AU6A · V109 6U8A · V110 6BA6 · V111 6AL5 · V112 6AZ8 · V113 6U8A · V114 6BA6 · V115 12AT7 · V116 6AB4 · V117 12AX7A · V118 6AQ5A

DS101 DS102 DS103 DS104 DS105

TP74 TP79 TP34 TP24 TP44 TP60 TP110 TP86 TP95

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