

AUTOCRAT SERVICE MANUAL

ALL TRANSISTOR PORTABLE 'RADIO • PHONO'



MODEL : **G1110**

FREQUENCY RANGE :

530 - 1630 Kc/s

INTERMEDIATE FREQUENCY :

455 Kc/s

TRANSISTORS :

2SA323 FREQUENCY CONVERTER
2SA202 IF AMPLIFIER
2SB186 x 2 AF AMPLIFIER
2SB22 x 2 POWER AMPLIFIER

DIODE :

1S188

POWER OUTPUT :

10% DISTORTED POWER
450 MW
750 MW

BATTERY :

3 x D SIZE 'EVEREADY'
1050 OR 950 BATTERIES

LOUDSPEAKER :

4" PERMANENT DYNAMIC
VOICE COIL IMPEDANCE 8Ω

CURRENT DRAIN :

NO SIGNAL 24 mA
MAXIMUM 195 mA

ALIGNMENT PROCEDURE :

GENERAL : ALLOW THE TEST EQUIPMENT TO WARM UP FOR FIFTEEN MINUTES BEFORE STARTING THE ALIGNMENT PROCEDURE.

OUTPUT METER : CONNECT THE OUTPUT METER (A 1000-OHM-PER-VOLT OR MORE A.C. VOLTMETER) ACROSS THE VOICE COIL CONNECTIONS.

SIGNAL GENERATOR : USE AN A.M. R.F. SIGNAL GENERATOR. CONNECT TO LOOP AERIAL.

CONTROLS : SET THE VOLUME CONTROL TO MAXIMUM. SET THE TUNING CONTROL AS INDICATED IN THE CHART.

RADIATING LOOP : SIX TURNS OF INSULATED COPPER WIRE, SIX INCHES DIAMETER; DISTANCE FROM SET EIGHTEEN INCHES.

STEP	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	ADJUST FOR MAXIMUM OUTPUT
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IF ALIGNMENT

1.	RADIATE SIGNAL THROUGH A LOOP COIL CONNECTED TO SIGNAL GENERATOR OUTPUT CABLE.	455 Kc/s	H.F. END FULLY CLOCK WISE	IF TRANSF. T1 & T2
REPEAT UNTIL MAXIMUM OUTPUT OBTAINED				

BROADCAST RF ALIGNMENT

2.	RADIATE SIGNAL THROUGH A LOOP COIL CONNECTED TO SIGNAL GENERATOR OUTPUT CABLE.	600 Kc/s	600 Kc/s	Osc.COIL L-2
3.		1200 Kc/s	1200 Kc/s	Osc.TRIM CT-2
4.		REPEAT 2 AND 3 UNTIL NO IMPROVEMENT		
5.		600 Kc/s	600 Kc/s	ANT. COIL L-1
6.		1400 Kc/s	1400 Kc/s	ANT.TRIM CT-1
7.		REPEAT 5 AND 6 UNTIL NO IMPROVEMENT		

CIRCUIT and PRINTED PANEL	
MODEL G1110	
DRN : TW	DATE 5-12-'66
CHKD: <i>AD</i>	APPD: <i>Ruc</i>
AUTOCRAT RADIO LTD.	

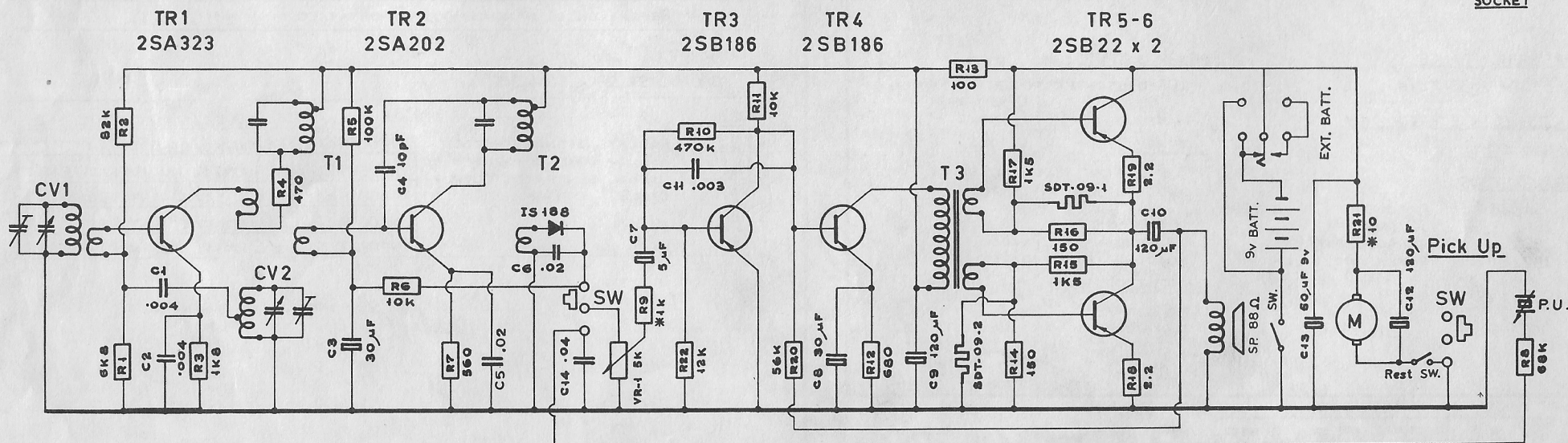
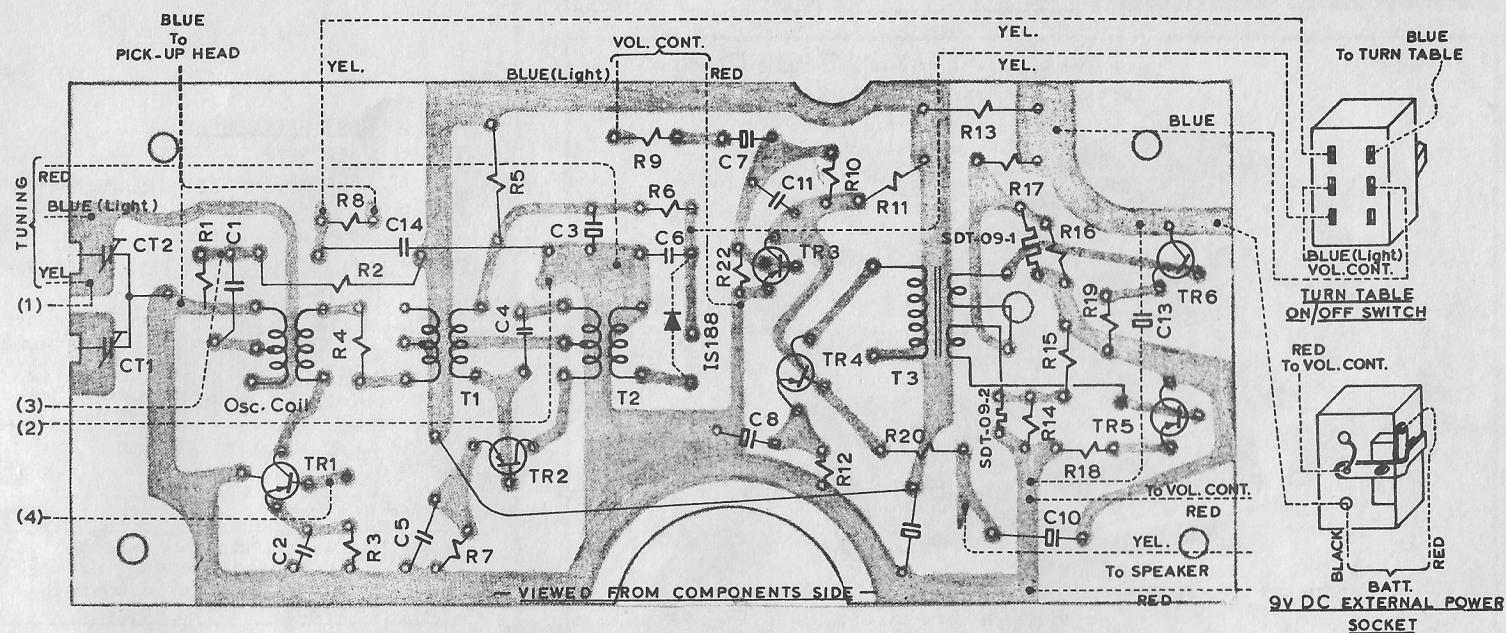
ANTENNA COIL

(1)

(2)

(3)

(4)



NOTES:-

Resistances (R9 & R21) marked * 20% Tolerance all Others 10%