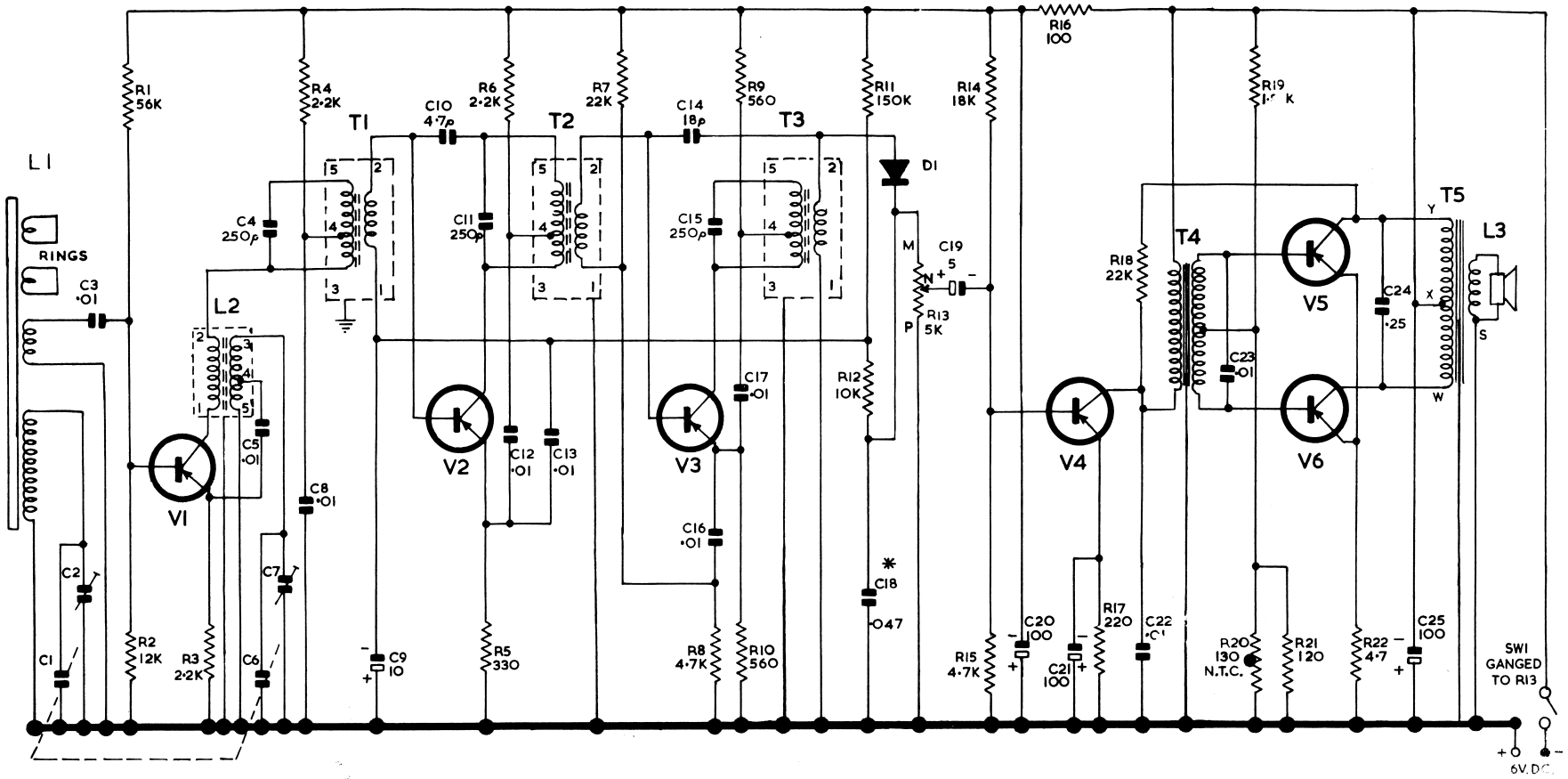
CHASSIS MODEL NO. R21-1A



TRANSISTOR VOLTAGES E.T.C.

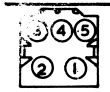
CODE	FUNCTION	TYPES A.W.V.	BASE VOLTS	EMIT. VOLTS	COLLECT VOLTS	M.A.
V1	MIX-OSC.	2N412 – 2N 219	-0·85	-0·80	-5·0	0·40
V2	IST I.F.AMP.	2N410 – 2N 218	-0·30	-0·20	-4·5	0·50
V3	2ND I.F.AMP	2N410 – 2N 218	-0·90	-0·70	-5·0	1·0
V4	A.F. DRIVER	2N408	-1·0	-0·85	-5·5	4·0
V5	P.P. OUTPUT	2N217	-0·2	-0·15	-5·95	2·0
V6	P.P. OUTPUT	2N217	-0·2	-0·15	-5·95	2·0

BASE AND EMITTER VOLTAGES TO BE WITHIN ±15 % OF THOSE GIVEN WHEN INPUT VOLTAGE IS 6 VOLTS.

MEASUREMENTS TAKEN WITH AN AVO-METER MODEL 8-20,000 OHMS PER VOLT-NO SIGNAL INPUT-GANG FULLY MESHED. ALL MEASUREMENTS TAKEN TO CHASSIS.

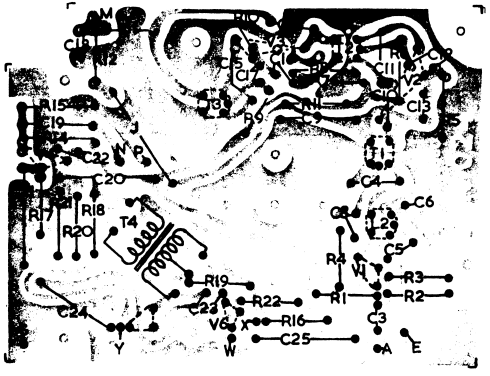
DO NOT MAKE CONTINUITY TESTS WITH TRANSISTORS IN CIRCUIT. USE A HEAT SINK, IE. A PAIR OF PLIERS, BETWEEN THE TRANSISTOR AND IRON WHEN SOLDERING A REPLACEMENT.
TRANSISTORS MAY BE PERMANENTLY DAMAGED IF THE POLARITY OF THE BATTERIES IS REVERSED.
DO NOT INTERCHANGE THE TRANSISTOR TYPES. DO NOT USE A TRANSISTOR AS A REPLACEMENT UNLESS IT IS IDENTICAL, OR HAS BEEN SPECIFIED AS A DIRECT EQUIVALENT, TO THE ORIGINAL.

I.F TRANSFORMER CONNECTIONS



COLOUR DOT:- T1 & T2- WHITE.
T3- BLACK.
L2- TAN.

PRINTED CIRCUIT BOARD

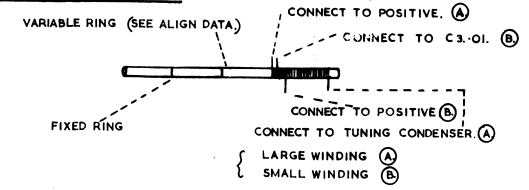


DO NOT USE:- AN IRON OVER 60W-EXCESS SOLDER-UNDUE PRESSURE. REPLACE COMPONENTS BY-WITHDRAWING SOLDER FROM THE CRIMPED LEADS WHILE LIFTING THE LEAD FROM THE FOIL BY THE INSERTION OF A KNIFE EDGE. CUT OFF THE CRIMPED SECTION AND WITHDRAW COMPONENT. OR-CUT OUT COMPONENT, UNSOLDER REMAINING TERMINATIONS AND PUSH THROUGH. REPAIR FOIL BREAKS BY-FLOWING SOLDER, OR SOLDERING TINNED COPPER WIRE ACROSS. REPLACE DAMAGED SECTIONS WITH A JUMPER OF WIRE.

MISCELLANEOUS

SPECIFICATION	PART Nº
PRINTED BOARD ASSEMBLY Nº	EAF-176
KNOB ASSEMBLY	EAH-218
DIAL KNOB	EAH-267
DIAL SCALE	ECP-014
BATTERY CASE	ECE-267
BATTERIES (FOUR) 1·5 VOLT	(EVEREADY) 935

FERRITE ROD AERIAL



MAXIMUM POWER OUTPUT:- 250 MW.

R21-1A