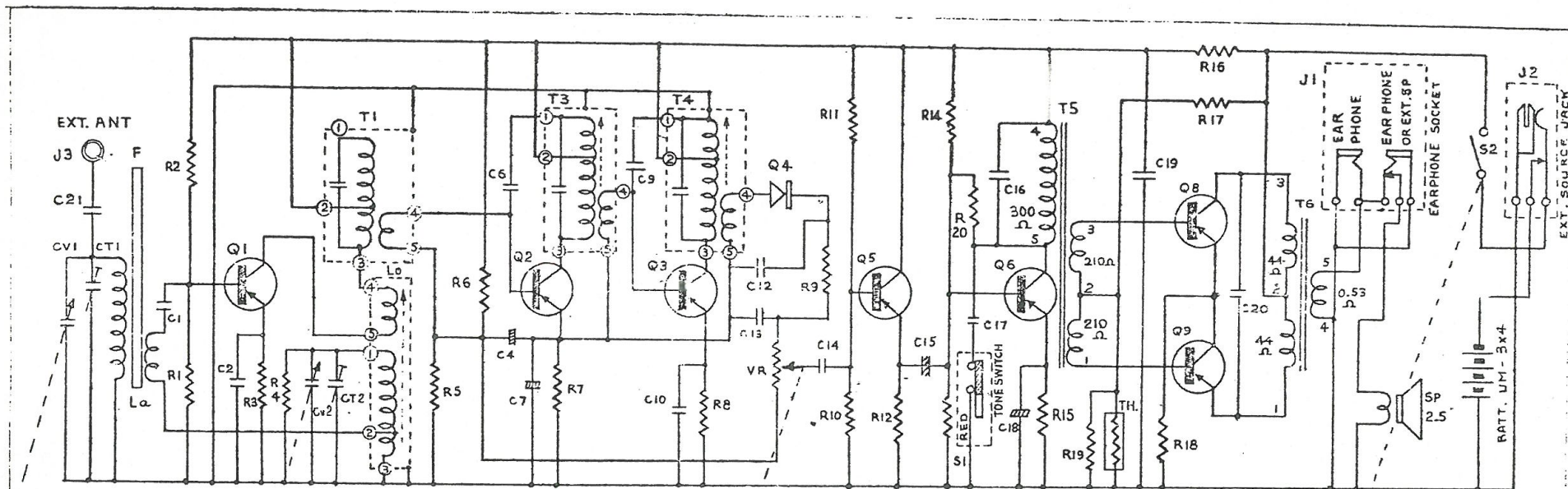




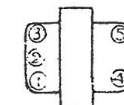
530 - 1650 KC/S TUNINGS

VOLUME CONTROL & POWER SWITCH

REVERSE SIDE
CONNECTION DIAGRAM

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
La	ANT. COIL	CV 1.2	VARIABLE CONDENSER	C18	CHEMICAL CON. 30 μ F 3V	R9	FIXED RESISTOR 1K $\pm$ 20%	Q1	TRANSISTOR 0.35 $\pm$ 10%
Lo	OSC. "	CT 1.2	TRIMMER "	C19	" " 100 μ F 6V	R10	" " 1M $\pm$ 10%	Q2	" " 0.50 "
T1	1ET 70K Ω : 600 Ω = IMPEDANCE	C1	CERAMIC CON. .002 μ F	C20	MP " .05 μ F	R11	" " " "	Q3	" " 1.00 "
		C2	" " "	C21	TITANIUM " 10PF	R12	" " 10K "	Q4	GERMANIUM DIODE
T4	" 20K Ω : 5K Ω	C4	CHEMICAL " 3 μ F 3V	VR	VAR. RESISTOR 10K Ω G TYPE	R13	" " " "	Q5	TRANSISTOR 0.15 $\pm$ 20%
T5	INPUT TRANS. 4K Ω : 2.2K Ω	C6	TITANIUM " 20PF	R1	FIXED RESISTOR 10K $\pm$ 10%	R14	" " 56K "	Q6	TRANSISTOR 1.5 $\pm$ 10%
T6	OUTPUT TRANS. 500 Ω : 8 Ω	C7	MP " .05 μ F	R2	" " 56K "	R15	" " 390 "	GS&G PARTS PRICES L1	
F	FERRITE CORE 4x20x120 M/M	C9	TITANIUM " 5PF	R3	" " 2.2K "	R16	" " 100 $\pm$ 20%		
J1	EARPHONE SOCKET	C12	MP " .01 μ F	R4	" " 220K $\pm$ 20%	R17	" " 5.6K $\pm$ 10%	VARIABLE COND. DATA	
J2	EXT. SOURCE JACK	C13	MP " "	R5	" " 10K $\pm$ 10%	R18	FLEXIBLE RESISTOR 5 Ω		
S1	SLIDE SWITCH	C14	MP " .05 μ F	R6	" " 56K "	R19	FIXED RESISTOR 390 $\pm$ 10%	CV1	6.0 ~ 161.5 PF
S2	POWER SWITCH	C15	CHEMICAL " .5 μ F 6V	R7	" " 1.2K "	R20	" " 100K "	CV2	6.0 ~ 75.0 PF
SP	DYNAMIC SPEAKER	C16	CERAMIC " .001 μ F	R8	" " 390 "			CT1	2 ~ 10.0 PF
J3	EXT. ANT JACK	C17	MP " .02 μ F					CT2	2 ~ 10.0 PF

T1 ~ 4 & Lo



TH THERMISTOR 270 Ω 25 $^{\circ}$ C.

MODEL G27 PORTABLE - IAGLORIA

DWG NO. 4244

DATE 3-11-59

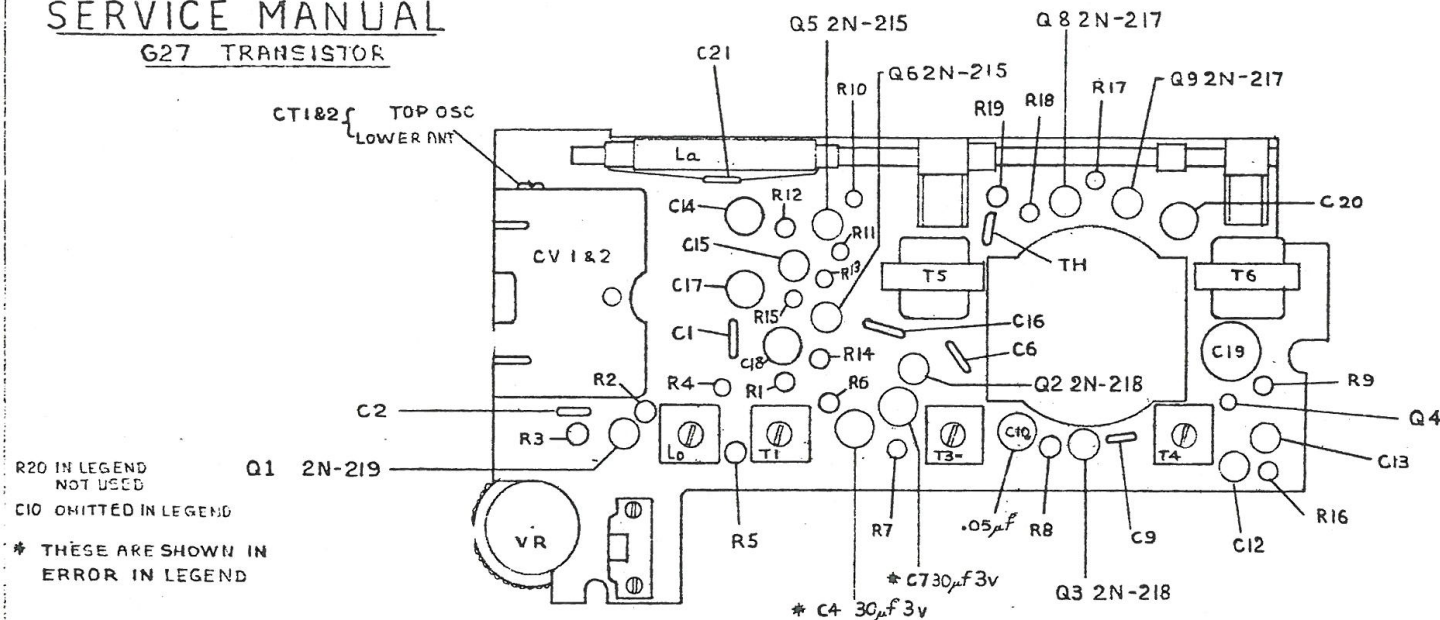
DOMINION RADIO & ELECTRIC CO. LTD.

DRAWN G.S.P.

BOX 44 OTAHUHU AUCKLAND N.Z.

SERVICE MANUAL

G27 TRANSISTOR



R20 IN LEGEND
NOT USED
C10 OMITTED IN LEGEND

* THESE ARE SHOWN IN
ERROR IN LEGEND

ALIGNMENT PROCEDURE

GENERAL - ALLOW TEST EQUIPMENT TO WARM UP FOR 15 MINS. BEFORE STARTING THE ALIGNMENT PROCEDURE.

OUTPUT INDICATOR - CONNECT THE O.P. INDICATOR (A 1000 ohm per volt meter or an oscilloscope) ACROSS THE VOICE COIL TERMINALS.

SIGNAL GENERATOR - USE AN AM RF SIGNAL GENERATOR. CONNECT THE GROUND LEAD TO CHASSIS AND CONNECT THE OUTPUT LEAD AS INDICATED IN THE ALIGNMENT CHART.

OUTPUT LEVEL - ATTENUATE THE SIGNAL GENERATOR OUTPUT THRU OUT THE ALIGNMENT SOAS TO MAINTAIN THE OUTPUT LEVEL BELOW .25 VOLT.

RADIO CONTROLS - SET THE VOLUME CONTROL TO MAXIMUM. SET THE TUNING CONTROL AS INDICATED IN THE ALIGNMENT CHART.

SPECIFICATIONS

CIRCUIT - 7 TRANSISTORS SUPERHETER-
-ODYNE PLUS CRYSTAL DIODE
DETECTOR.

AUDIO OUTPUT - 0.1 WATT

BATTERY VOLTAGE
AND TYPE - 6.0 VOLTS FROM 4
STANDARD PENLITE CELLS.

FREQ. COVERAGE - 535 - 1650 K.C.

INTERMEDIATE
FREQ - 455 K.C.

ANTENNA - SELF CONTAINED
MAGNETIC CORE, HIGH
IMPEDANCE LOOP

CABINET - PLASTIC

SPEAKER - 8 Ω VOICE COIL

ALIGNMENT CHART

STEP	SIGNAL GENERATOR		RADIO		ADJUST
	CONNECTION TO RADIO	DIAL SETTING	DIAL SETTING	SPECIAL INSTRUCTIONS	
1	THRU 250p TO ANT. SECTION OF GANG	455 KC.	GANG OPEN	ADJUST IN ORDER FOR MAXIMUM OUTPUT	T4, T3, T1 (REPEAT)
2	RADIATING LOOP SEE NOTE.	530 KC.	GANG CLOSED	ADJUST FOR MAXIMUM OUTPUT	L1 OSC. COIL CORE
3	" " "	1650 KC.	GANG OPEN	" " " "	OSC. TRIMMER ON GANG
4	" " "	"	"	REPEAT 2 & 3	"
5	" " "	600 KC.	600 KC.	ADJUST FOR MAXIMUM OUTPUT	SLIDE ANT. COIL ON ROD
6	" " "	1500 KC.	1500 KC.	" " " "	ANT. TRIMMER ON GANG
7	" " "	"	"	REPEAT 5 & 6	"

NOTE 1. USE A 6-8 TURN, 6 inch DIA. LOOP MADE UP OF INSULATED WIRE. CONNECT TO GENERATOR TERMINALS AND PLACE ABOUT ONE FOOT FROM RADIO LOOP.