



ISSUED BY SERVICE DIVISION, HIS MASTER'S VOICE (N.Z.) LTD, G.O. BOX 296, WELLINGTON

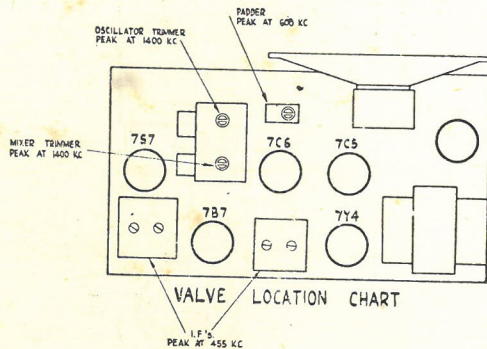
"COVENTRY"

5 VALVE BROADCAST
TABLE RADIOGRAM
(Second Production)

MODEL 505 T/RG

Earlier model (1948)

*485T/RG has same
Model name i.e. "Coventry"*



Valve Complement

(1) 7S7	.....	Converter
(2) 7B7	.....	I.F. Amplifier
(3) 7C6	.....	Detector
(4) 7C5	.....	Output
(5) 7Y4	.....	Rectifier

Frequency Range

Broadcast 500-1500 Kcs.

Power Supply

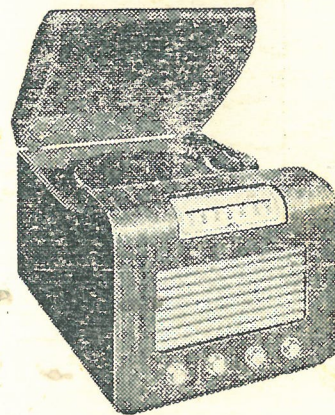
230 Volts A.3. 50 Cycles.

Cabinet

Height 12½ in. Width 15½ in. Depth 16¾ in.

VOLTAGE TABLE

VALVE	VOLTS TO CHASSIS	PLATE CURRENT	SCREEN VOLTS TO CHASSIS	CATHODE VOLTS TO CHASSIS
V1 7S7	225	1 M/A	120	4.5
OSC. PLATE AT 1030 KC/S. 120		4 M/A		
V2 7B7	225	8 M/A	120	4.5
V3 7C6	100	4 M/A		0
V4 7C5	215	30 M/A	225	12
V5 7Y4	255V TO PLATES	FILTER INPUT 300V D.C.	FILTER OUTPUT 225V D.C.	
A.C. INPUT	250 V 50 ~	21 AMP		
TOLERANCE	± 7%			
VOLTMETER	1000 A PER VOLT	VOLUME CONTROL OFF	NO SIGNAL	



A five valve Radiogram which is the successor to the earlier model 485 R/G but employing local tubes in the receiver chassis.

ALIGNMENT PROCEDURE—I.F.:

1. Turn the gang condenser fully out.
2. Apply a modulated 455 Kc signal from the signal generator through a .1 mfd. condenser to the grid of VI. (Connect condenser to rear stator connection of gang condenser.)
3. Short ^{out} Oscillator. (Connect front gang stator to frame by means of a shorting link.)
4. Adjust I.F. Trimmer condensers until no further increase in output can be obtained. An output meter connected to the speaker voice coil terminals should be used to indicate maximum output.
5. Remove .1 mfd. condenser from rear gang stator, also oscillator shorting link.

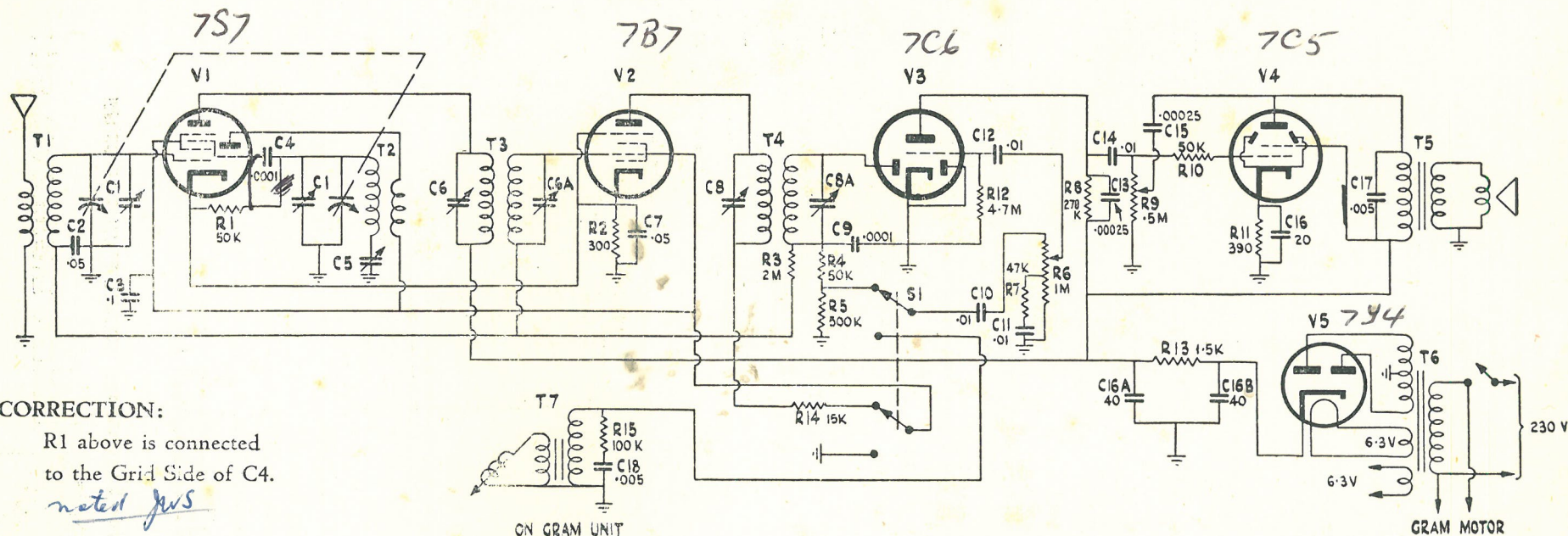
There is no reference mark on the dial scale for the pointer, but with the gang fully meshed the pointer should be set so that it is no more than fully visible in the scale slot.

R.F.

6. Connect signal generator through standard dummy antenna to aerial and earth leads. With applied 600 Kc. signal and receiver turned to 600 Kc adjust padder for maximum output.
 7. With 1400 Kc. signal from generator and set turned to 1400 Kc. adjust oscillator trimmer on front section of gang condenser for maximum output.
 8. Adjust mixer grid trimmer on rear section of gang for maximum output at the same frequency.
- Repeat operations 6 and 8 until no further increase in output at these two frequencies can be obtained.
- Throughout alignment the receiver volume control should be full on and the signal generator output no more than is necessary to obtain approximately half scale deflection on the 50 milliwatt range of the output meter.

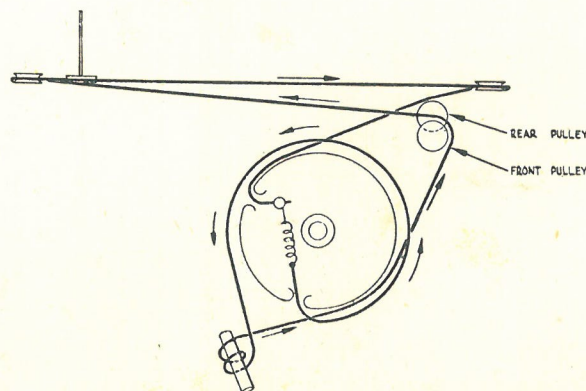
See over for technical data

505T/RG



PARTS LIST

C1 POLAR E GANG	R1 50K 1/2W	S1 WAVER TYPE GRAM RADIO SWITCH
C2 .0001µF 750V TCC TYPE 708	R2 300A 1W CERON	T1 AERIAL COIL AT 350A
C3 .01µF 500V R1	R3 2M 1/2W	T2 OSCILLATOR COIL ON RAS
C4 .0001µF TCC MICA	R4 50K 1/2W	T3 FIRST IF TRANSFORMER TO 228/5
C5 PARBEL 10W/5 TYPD	R5 800K 1/2W	T4 SECOND IF TRANSFORMER TO 218/5
C6 500µF 350V DATE	R6 1M 1/2W TAPER POT	T5 SPEAKER TRANSFORMER 5000Ω-15C
C7 .0001µF 350V TCC TYPE 346	R7 47K 1/2W	T6 40-0-40V POWER TRANSFORMER
C8 100µF 350V TCC MICA	R8 270K 1/2W	T7 PICK-UP TRANSFORMER
C9 .01µF 500V Q2	R9 500K 1/2W WITH SWITCH	SPK 16Ω 4W
C10 .01µF 500V Q5	R10 50K 1/2W	GRAM MOTOR 8 PICK-UP
C11 .01µF 350V Q2	R11 350A 1W ALT 400A 1W	MMV SINGLE PLAYER
C12 .01µF 500V Q2	R12 4.7M 1/2W	V1 MICKY TYPE 7S7
C13 .00025µF MICA	R13 1.5K 1/2W	V2 1F AMPLIFIER TYPE 7B7
C14 .01µF 500V Q2	R14 13K 1W	V3 DET-AUD AMPLIFIER TYPE 7CL
C15 .00025µF MICA	R15 100K 1/2W	V4 OUTPUT AMPLIFIER TYPE 7C5
C16 40-0-40µF AERONOX ELECTRO		V5 RECTIFIER TYPE 7Y4
C17 .005µF 500V		PANEL LAMP MED 6.3V
C18 .005µF MMV PAPER		



FRONT VIEW OF DIAL STRINGING

GANG FULL IN
ARROWS SHOW DIRECTION OF STRING TRAVEL
AS GANG PLATES ARE TURNED OUT

505 T/RG
"Coventry"