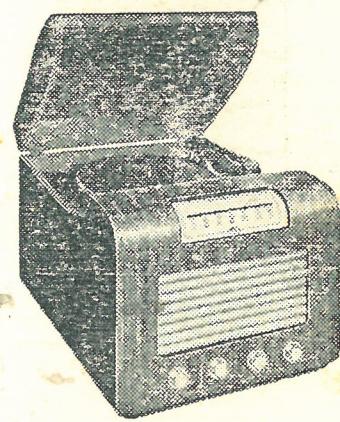
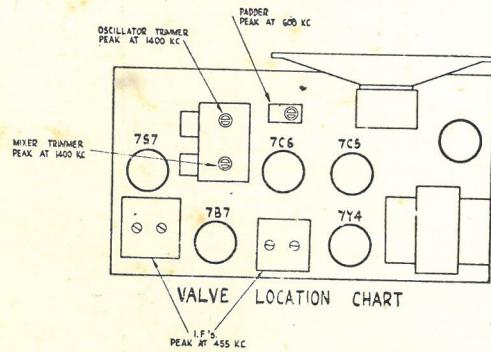




ISSUED BY SERVICE DIVISION, HIS MASTER'S VOICE (N.Z.) LTD, G.O. BOX 296, WELLINGTON

“COVENTRY”

5 VALVE BROADCAST
TABLE RADIOPHONIC
(Second Production)
MODEL 505 T/RG



Earlier model (1948)
485T/RG has same
Model name is "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.C. 50 Cycles.

Cabinet

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

VOLTAGE TABLE

VALVE	PLATE	CURRENT	SCREEN	VOLTS TO CHASSIS	CATHODE
V1 7S7	225	1 M/A	120	4.5	
OSC. PLATE	AT 1000 KC 5.120	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	125V TO PLATES	FILTER INPUT 300V D.C.	FILTER OUTPUT 225V D.C.		
A.C. INPUT	230 V 50~	.21 AMP			
TOLERANCE	± 7%				
VOLTMETER	1000 A 100 V	VOLUME CONTROL OFF	NO SIGNAL		

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.

A five valve Radiogram which is the successor to the earlier model 485 R/G but employing octal 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.)

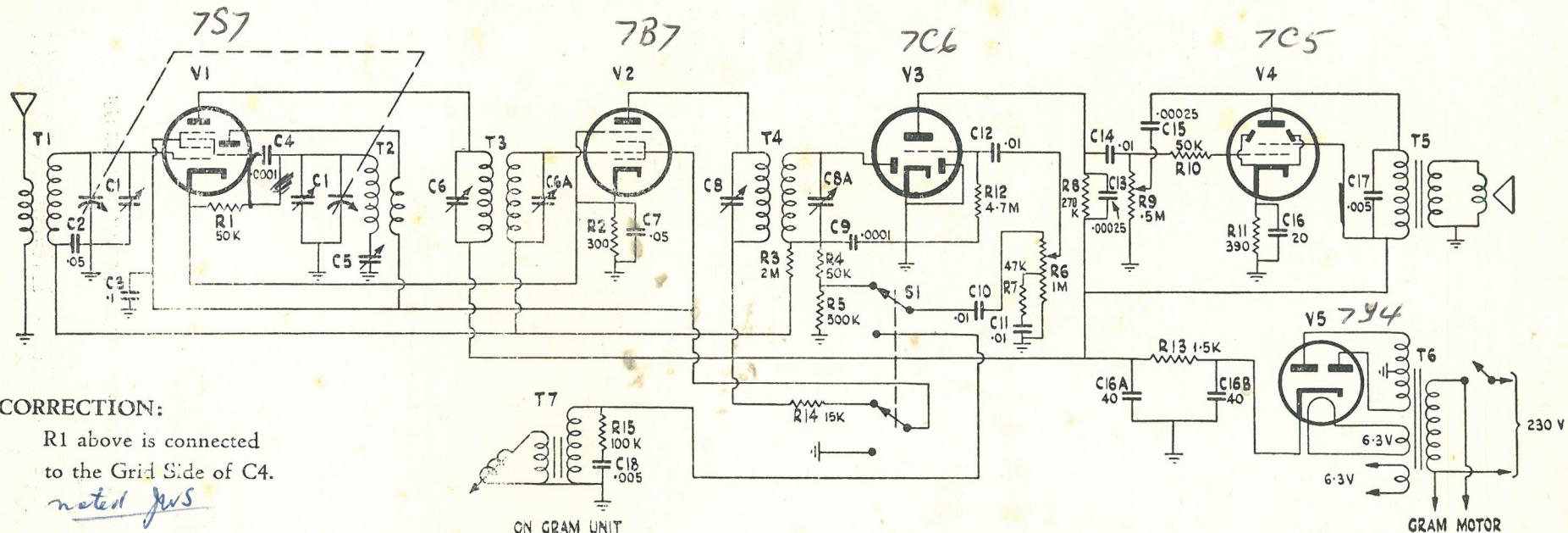
4. Adjust I.F. Trimmer condensers until no further increase in output can be obtained. An output meter connected to the speaker voice coil terminals should be used to indicate maximum output.

5. Remove .1 mfd. condenser from rear gang stator, also oscillator shorting link.

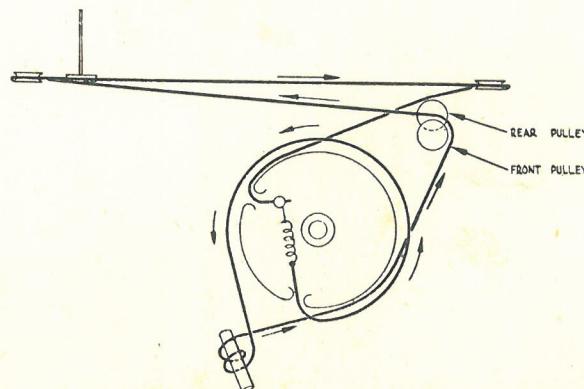
There is no reference mark on the dial scale for the pointer, but with the gang fully meshed the pointer should be set so that it is no more than fully visible in the scale slot.

See over for technical data

505T/RG



PARTS LIST	
C1 POLAR 2 GANG	R1 50K 1W
C2 0.05UF 750V TCC TYPE 708	R2 300A 1W CARBON
C3 1.0UF 500V PJ	R3 2MA 2W
C4 1000UF TCC MICA	R4 10K 2W
C5 0.001UF 300V	R5 500K 2W
C6 DIAL IF TRIMMER BASE	R6 2M
C7 0.001UF 300V TCC TYPE 346	R7 4.7K 2W
C8 0.001UF TCC MICA	R8 270K 2W
C9 0.001UF TCC MICA	R9 50K 2W
C10 0.001UF 300V Q2	R10 50K 2W
C11 0.001UF 300V Q2	R11 390K 2W
C12 0.001UF 300V Q2	R12 4.7M
C13 0.0005UF MICA	R13 1.5K
C14 0.001UF 300V MICA	R14 15K
C15 40-400UF 500V AEROVOK ELECTRO	C16 50K POT WITH SWITCH
C16 40-400UF 500V	C17 50K POT
C18 0.005UF 500V PAPER	
	S1 WAVE TYPE GRAM RATIO SWITCH
	T1 AERIAL COIL AX 350A
	T2 OSCILLATOR COIL 05 345
	T3 FIRST IF TRANSFORMER TX 226/5
	T4 SECOND IF TRANSFORMER TX 216/5
	T5 6.3V POWER TRANSFORMER 2000M - VC
	T6 6.3V POWER TRANSFORMER
	SPKAKER - ROLA 6W
	GRAM MOTOR & PICK-UP
	WIRE - SINGLE PLATE
	V.1 MICROPHONE TYPE 757
	V.2 IF AMPLIFIER TYPE 787
	V.3 DET-NUC AMPLIFIER TYPE 7C6
	V.4 OUTPUT AMPLIFIER TYPE 7C5
	V.5 RECTIFIER TYPE 7V4
	PANEL LAMPS MED 6.3V



FRONT VIEW OF DIAL STRINGING
GANG FULL IN
ARROWS SHOW DIRECTION OF STRING TRAVEL
AS GANG PLATES ARE TURNED OUT

505 T/RG
'Coventry'