



HIS MASTER'S VOICE

# Service Sheet

ISSUED BY SERVICE DIVISION, HIS MASTER'S VOICE (N.Z.) LTD., G.P.O. BOX 295, WELLINGTON.

## RUGBY

526/D

*Drawing date  
there is a previous model 526 mfd by CAB*

A six valve superheterodyne receiver in a wooden cabinet of wedge design. Loctal tubes used throughout. Inverse feedback provided over the output stage. Changeover from radio to gram is on third position of wave band switch.

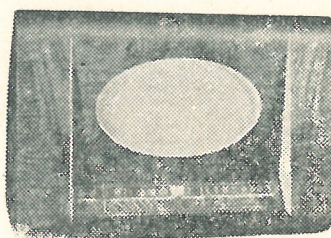
CONTROLS: Tuning and wave change at right hand end of cabinet.

Volume (and Tone):—ON/OFF at left hand end of cabinet.

VALVE COMPLEMENT: RF, 7B7; Mixer, 7S7; IF, 7B7; Det. Audio, 7C6; Power Output, 7C5; Rectifier, 7Y4.

VALVE SOCKET VOLTAGES: Measured to chassis.

7B7	RF. Amplifier	.....	.....	230	60	1.2
7S7	Mixer	.....	.....	230	60	—
7B7	IF. Amplifier	.....	.....	230	60	1.2
7C6	Det. Audio	.....	.....	80	—	—
7C5	Output	.....	.....	230	230	13
7Y4	Rectifier	.....	.....	—	—	295
7S7	Triode Plate	.....	.....	115 Volts (Non Oscillatory)	—	—



Voltmeter—1000 ohms per volt—Volume Control OFF—no signal.

FREQUENCY RANGE—

Broadcast—530 Kc/s—1700 Kc/s

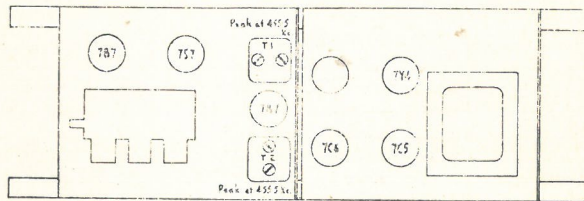
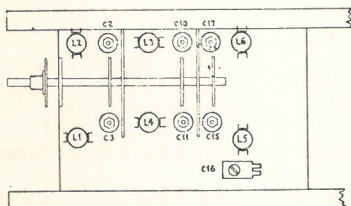
Short Wave—5.92 Mc—19 Mc

POWER SUPPLY:

230 Volts AC, 50 cycles

Consumption, .23 amp.

CABINET DIMENSIONS: Height, 13½in.; Width, 19¼in.; Depth, 9in.



### ALIGNMENT INSTRUCTIONS

When the chassis has to be removed from the cabinet for other service, the RF circuits may be speedily aligned with the aid of the H.M.V. alignment scale. Where alignment is all that is required, access to all trimmers may be obtained by removing the bottom board in some cabinets, in others removal of a fibre cover plate is sufficient.

Rotate tuning control until gang rotor is full in, then set dual pointers on their respective arrow marks at the left hand end of each scale. Set output meter range selector to 50 milliwatts and connect to speaker voice coil. Turn receiver volume control on full, then as successive adjustments of the trimmers increase receiver output, reduce signal generator output to give approximately half scale deflection on the output meter.

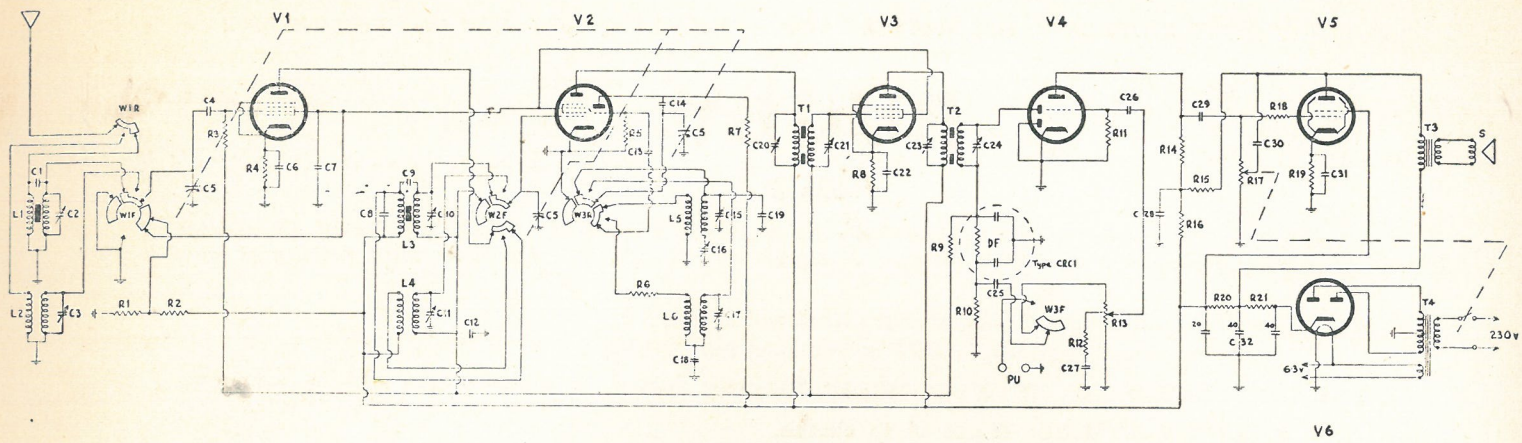
For IF alignment use a .1 mfd condenser on the generator cable, for RF use a standard dummy antenna.

Connect Sig. Gen to	Set Signal Gen To	Radio Dial Setting	Adjust	Adjust for
1. C5 (Centre gang stator)	455 Kc	1500 Kc	C24, C23, C21, C20	Max. Output
2. Aerial lead	600 Kc	600 Kc 'rock gang'	C16	Max. Output
3. Aerial lead	1400 Kc	1400 Kc	C15 first then C10, C2	Max. Output
4. Aerial lead	18 Mc	18 Mc	C17 first then C11, C3	Max. Output

Repeat 2 and 3

526 D



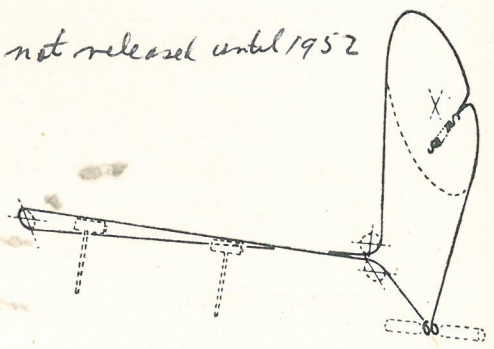


SWITCH WAFERS SHOWN WITH CONTACT GROUPS SEPARATED, ACCORDING TO FUNCTION.  
 WAFERS SHOWN IN POSITION 1, EXTREME COUNTER-CLOCKWISE VIEWED FROM CLICKER END OF SHAFT.  
 POSITION 1 : 2C  
 POSITION 2 : 3W  
 POSITION 3 : 6AM  
 W1F : FRONT CONTACTS OF WAFER NEXT TO CLICKER  
 W1R : REAR CONTACTS OF THE SAME WAFER CONNECTED IN THE SAME WAY TO W3R.

CIRCUIT DIAGRAM

52-8-42  
 DUAL WAVE.

*Note, not released until 1952*



CONDENSERS

Stores	Part No.	Description
C1, 9	1500-P1	2 pfd ceramicon
C2, 3, 10, 11	1500-F5	3/30 pfd Philips trimmer
C15, 17	1500-F5	3/30 pfd Philips trimmer
C4, 14	1500-E	.00005mfd mica
C5	1500-R5	3-gang 'Polar' C1043
C6, 12, 22, 29	1500-A7	.05 mfd 350v
C7	1500-J1	.1 mfd 350v
C8	1500-H	10 pfd ceramicon
C13	1500-Q	.0001 mfd mica
C16	1500-O8	Padder TP 8D
C18	1500-O+P7-	(.005mfd) S. mica (.001 mfd) S. mica
C20, 21	1500-I2)	Dual trimmer base
C23, 24	1500-i2)	
C19	1500-M6	10mmf s. mica
C25	1500-K2	.02 mfd 350v
C26, 33	1500-A4	.001 mfd mica
C27	1500-B5	.01 mfd. 350v.
C28	1500-B8	.25 mfd 750v.
C30	1500-J	.00025 mfd mica
C31	1500-D9	25 mfd 25v
C32	1500-N4	40-40-20 electro.

RESISTORS

R1, 2	1300-L1	25k 1 watt
R3	1300-I5	1 meg. 1/4 watt
R4, 8	1300-S	220 ohm. 1/2 watt
R5, 12, 16, 18	1300-G2	50k 1/2 watt
R6	1300-D	45 ohm 1/2 watt
R7	1300-L7	27k 1 watt
R9	1300-J1	2 meg. 1/2 watt
R10, 14, 15	1300-K4	250k 1/2 watt

Part No.	Description
R11	1300-J9
R13	PO223
R17	PO213
R19	1300-A5
R20	1300-L6
R21	1300-B8

Part No.	Description
V1	1400-Q9
V2	1400-R2
V3	1400-Q9
V4	1400-R1
V5	1400-R
V6	1400-R3

Part No.	Description
T1	TR28
T2	TR29
T3	SP606
T4	TR613

Part No.	Description
W1F	WA191
W2F	WA192
W3F	WA193

Part No.	Description
DF	FI1310

Store	Part No.	Description
	1300-J9	5 meg 1/2 watt
	PO223	1 meg tapped pot.
	PO213	1/2 meg pot. + switch
	1300-A5	330 ohm 1 watt
	1300-L6	1,000 ohm 1 watt
	1300-B8	750 ohm 4 watt w.w.

Part No.	Description
CO384	Aerial coil BC
CO387	Aerial coil SW
CO385	RF coil BC
CO388	RF coil SW
CO386	Osc. coil BC
CO389	Osc. coil SW

Part No.	Description
TR28	1st IF xformer
TR29	2nd IF xformer
SP606	Output xformer + Rola 6H
TR613	Power xformer

Part No.	Description
WA191	Wafer Oak Sect. 1
WA192	Wafer Oak Sect. 2
WA193	Wafer Oak Sect. 3

Part No.	Description
FI1310	Diode Filter (Dubilier)

Part No.	Description
7B7-RF	
7S7-Mixer	
7B7-IF	
7C6-Det. Audio	
7C5-Output	
7Y4-Rectifier	

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