



"DUNDEE"
MODEL 546 D.

HIS MASTER'S VOICE (N.Z.) LTD. LTD.
WELLINGTON

BROADCAST RECEIVER MODEL 546 D. SERVICE DATA SHEET

TYPE SET—A.C. Superheterodyne.

TUBES (six)—6BA6 R.F. Amp., ECH 42 Converter, 6BA6 I.F. Amp., 6AV6 Det.-A.F., 6AQ5 Power Output, 6X4 Rectifier.

POWER SUPPLY—230 v. A.C. Rating 55 watts.

TUNING RANGE—Broadcast, 530-1530 k.c. S.W., 6.45-19.4 m/cs.

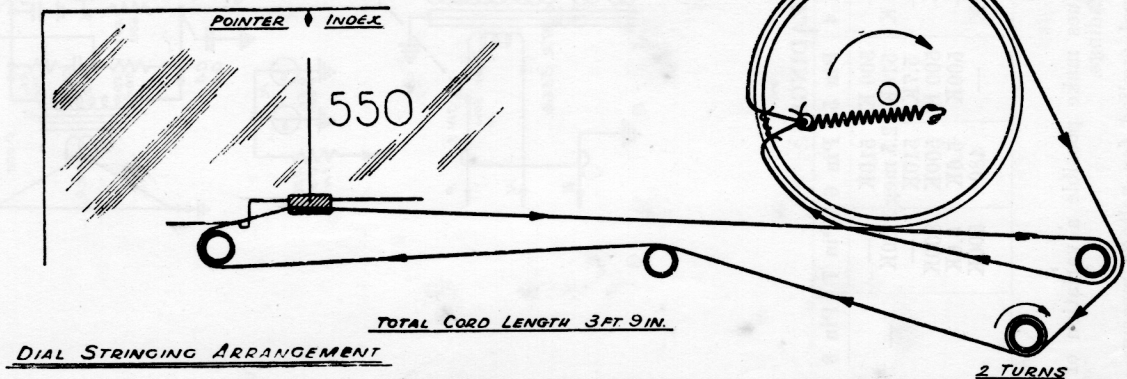
ALIGNMENT INSTRUCTIONS

To set pointer, fully mesh condenser and set pointer at last reference mark at left end of dial. Set volume control at maximum and keep output from signal generator no higher than necessary to obtain output readings. Use insulated alignment tool for adjusting.

Dummy Antenna	Signal Generator Coupling	Sig. Gen. Frequency	Band Switch Position	Radio Dial Setting	Output Meter	Adjust	Remarks
0.1 μ d.	High side to pin No. 6 (grid) ECH42	455 Kc.	B.C.	High freq. end	Across voice coil	A1, A2, A3, A4.	Adjust for maximum output
R.M.A. Standard	High side to ant. Terminal	1400 Kc.	"	1400 Kc.	"	C24	" "
"	"	1400 Kc.	"	1400 Kc.	"	C26 & C28	" "
"	"	600 Kc.	"	Rock Variable	"	C15	" "
"	"	18 Mc.	S.W.	18 Mc.	"	C25	" "
"	"	18 Mc.	S.W.	18 Mc.	"	C27 & C29	" "

CAPACITORS			MISCELLANEOUS				RESISTORS		
Ref. No.	Cap.	Volts	Ref. No.	Res., Pri.	Res., Sec.		Ref. No.	Res.	Watts
C1a-b	40+40 μ fd.	450	784	20 ohm	2.7 ohm	BC	R 1	10 meg.	$\frac{1}{2}$
C2	10 "	"	786	0.4 "	0.03 "	SW	R 2	2 "	"
C3	20 "	25	486	69 "	0.03 "	SW	R 3	270K ohm	1
C4	0.1 "	500	489-1	64 "	2.7 "	BC	R4-5	100K "	$\frac{1}{2}$
C5	0.1 "	500	186	0.45 "	0.03 "	SW	R 6	75K "	"
C6	0.05 "	500	189	0.85 "	2.44 "	BC	R 7	50K "	"
C7	0.05 "	500	PE1000	13 "	13 "	IF	R 8	50K "	"
C8	0.02 "	500					R 9	50K "	"
C9-11	0.01 "	500					R 10	22K "	1
C12	0.0054 "	Mica					R 11	10K "	2
C13	0.002 "	"	TR5566	Volts 230	Volts 350 aside	Volts 2 x 6.3	R12-13	2K "	$\frac{1}{2}$
C14	0.001 "	"					R14	1.5K "	5
C15	600 μ fd	Padder		Type	Transformer		R15	750 "	$\frac{1}{2}$
C16	500 "	Mica	SP1	6-9H	5000 ohm		R16-17	600 "	"
C17	500 "	"					R18	300 "	1
C18-21	100 "	"	SW1	S.P.S.T. switch attached to R21 3.P.D.T. Rotary Switch 5P2P. 2 Bank Rotary Switch			R19	75 "	$\frac{1}{2}$
C22	50 "	"	SW2				R20	0.8 "	1
C23	50 "	"	SW3				R21-22	500K "	Pot
C24-29	3-50 "	Trimmer	CV	Polar C90-03/1 (swing 351 μ fd.)					
C30-32	5 "	Ceramic	PL						
				6.5 v., 0.25 amp. tub. M.E.S. lamp					

NOTE ~ DIAL DRUM
SHOWN WITH CONDENSER FULLY MESHED.





VOLTAGE READINGS

RESISTANCE READINGS

4. Nominal tolerances on component values make possible a variation of + 10% in voltage and resistance readings.
5. Volume control at maximum, no signal applied for voltage measurements.
6. Resistance readings in B+ circuits may vary widely according to condition of filter capacitors.