



"LITTLE NIPPER"
MODEL 495BC.

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

BROADCAST RECEIVER MODEL 495BC SERVICE DATA SHEET

Little Nipper 519P

TYPE SET—A.C. Superhetrodyne. Moulded Bakelite Cabinet.

TUBES (Five)—7S7 Converter, 7B7 I.F. Amp. 7C6 Det.-A.F., 7C5 Power Output, 7Y4 Rectifier.

POWER SUPPLY—230 v. A.C. Rating 25 watts.

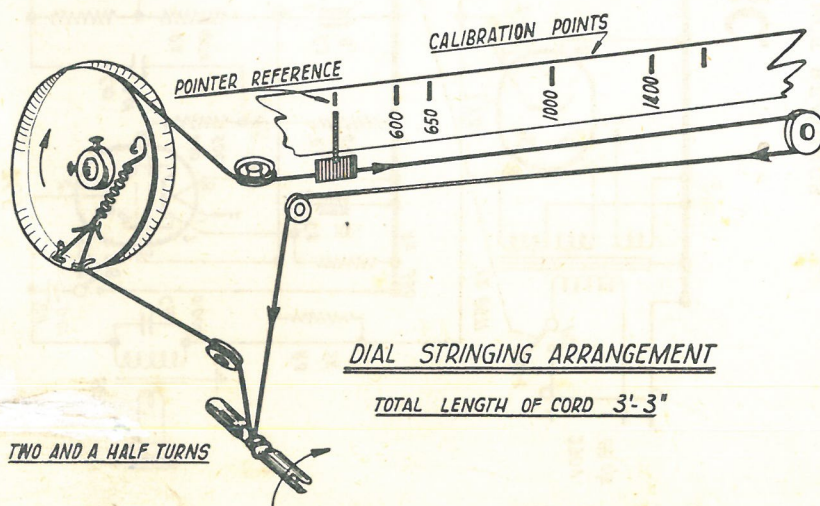
TUNING RANGE—Broadcast 535-1540 K.C.

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 then necessary to obtain output reading.

Dummy Antenna	Signal Generator Coupling	Sig. Gen. Frequency	Band Switch Position	Radio Dial Setting	Output Meter	Adjust	Remarks
0.1 μ fd.	High side to grid of 7S7	455 Kc.	—	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.	"	C18	" "
"	"	1400 Kc.	—	1400 Kc.	"	C17	" "
"	"	600 Kc.	—	Rock Variable	"	C13	" "

CAPACITORS			MISCELLANEOUS			RESISTORS		
Ref. No.	Cap.	Volts	Ref. No.	Res., Pri.	Res., Sec.	Ref. No.	Res.	Watts
C1	50 μ fd.	250	519P-1	7 ohm	7 ohm	R1	10 meg	$\frac{1}{2}$ watt
C2	50 μ fd.	250	519P-2	7 ohm	7 ohm	R2	2 meg	$\frac{1}{2}$ watt
C3	8 μ fd.	250	794	16.5 ohm	2.7 ohm	R3	470K ohm	$\frac{1}{2}$ watt
C4	25 μ fd.	25	194	0.82 ohm	2.3 ohm	R4	100K ohm	$\frac{1}{2}$ watt
C5	0.25 μ fd.	400		Volts	Volts	R5	50K ohm	$\frac{1}{2}$ watt
C6	0.1 μ fd.	400	TR5571	230	175 aside	R6	50K ohm	$\frac{1}{2}$ watt
C7	0.05 μ fd.	400		Type	Transformer	R7	50K ohm	$\frac{1}{2}$ watt
C8	0.02 μ fd.	400	SP1	5" P.M.	5000 ohm	R8	5K ohm	$\frac{1}{2}$ watt
C9-11	0.01 μ fd.	400	SW1	S.P.S.T.	Switch attached to R13	R9	3K ohm	1 watt
C12	0.004 μ fd.	mica	SW2	S.P.S.T.	Tone Switch	R10	500 ohm	$\frac{1}{2}$ watt
C13	600 μ fd.	padder				R11	330 ohm	$\frac{1}{2}$ watt
C14-16	100 μ fd.	mica				R12	100 ohm	$\frac{1}{2}$ watt
C17-18	3-30 μ fd.	trimmer				R13	500K ohm	Pot
C19	5 μ fd.	ceramic						

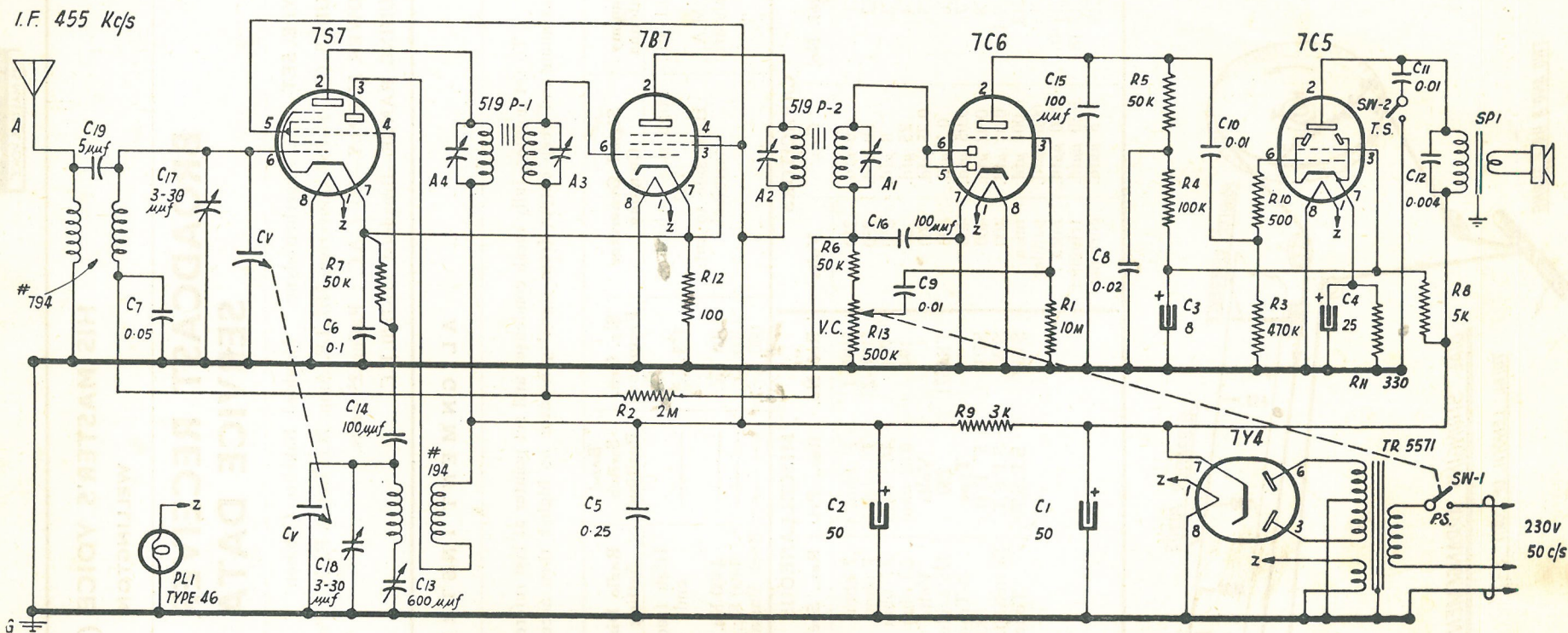


BASS COMPENSATION

Bass compensation has been achieved by the combination of values chosen for the plate-feed circuit (R4, R5, C8) of the 7C6 stage.

The change of reactance of C8, with frequency, modifies the effective plate-load impedance presented to the tube.

This results in a greater gain as the frequency is reduced.



H.M.V.



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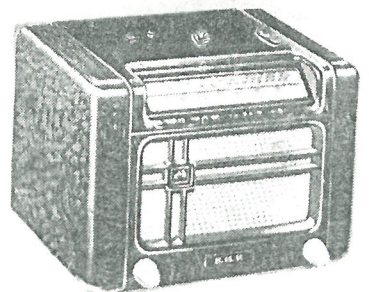


*Price originally £22-10
later reduced to £19-10*

also available in wooden cabinet

"LITTLE NIPPER" 5 VALVE BROADCAST RADIO

model 495 = 50th 1949 Mfd by C & B



The model 495, a 5-valve set, 1949 was known as the 'Little Nipper'. Made by Collier & Beale, it was the equivalent of their Pacemaker model 519P.