

TECHNICAL INFORMATION

COVERING BROADCAST RECEIVER TYPE 6153

COLLIER & BEALE Ltd. WELLINGTON.

TYPE SET—A.C. Superheterodyne.

TUBES (six)—6BA6 R.F. Amp., ECH21 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, 535-1530 kc.

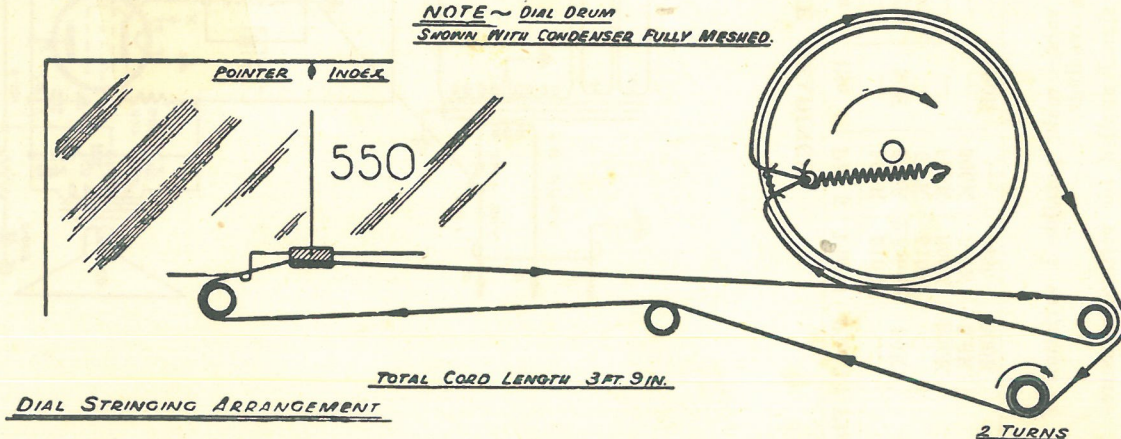
ALIGNMENT INSTRUCTIONS

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.

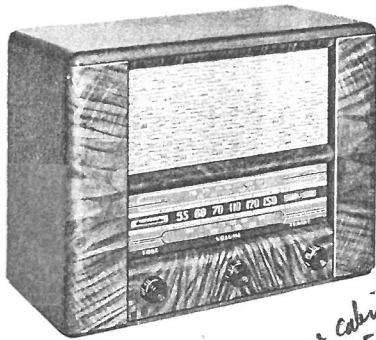
Du. Ant.	Signal Generator Coupling	Sig. Gen. Frequency	Band Switch Position	Radio Dial Setting	Output Meter	Adjust	Remarks
0.1 μ fd.	High Side to pin No. 6 (grid) of ECH21.	455 Kc.	BC	High freq. end	Across voice coil	A1, A2, A3, A4, C24	Adjust for maximum output
R.M.A. Standard	High Side to ant. Terminal	1400 Kc.	"	1400 Kc.	"	C22 & C23	" "
"	"	1400 Kc.	"	1400 Kc.	"	C14	" "
"	"	600 Kc.	"	600 Kc.	"		Rock variable and adjust for max. output. Recheck C24 at 1400 Kc. If C24 is changed recheck C22 and C23.

CAPACITORS			MISCELLANEOUS			RESISTORS		
Ref. No.	Cap.	Volts	Ref. No.	Res., Pri.	Res., Sec.	Ref. No.	Res.	Watts
C1-2	40+40 μ fd.	450	784	20 ohm	2.7 ohm	R1	10 meg.	$\frac{1}{2}$
C3	25 "	25	489	64 "	2.7 "	R2	2 "	"
C4	0.1 "	500	189	0.85 "	2.44 "	R3	270K ohm	1
C5	0.1 "	500	PE52	6.5 "	6.5 "	R4	100K "	$\frac{1}{2}$
C6	0.05 "	500	PE52	6.5 "	6.5 "	R5	100K "	"
C7	0.05 "	500				R6	75K "	"
C8	0.02 "	500				R7	50K "	"
C9-11	0.01 "	500	TR5566	Volts 230	Volts 350 aside	R8	50K "	"
C12	0.002 "	Mica				R9	50K "	"
C13	0.001 "	"				R10	22K "	1
C14	600 μ fd.	Padder	SP1	Type 6-9H	Transformer 5000 ohm	R11	10K "	2
C15	500 "	Mica				R12-13	2K "	$\frac{1}{2}$
C16	500 "	"	SW1	S.P.S.T. switch attached to R21 Polar C90-03/1 (swing 351 μ fd.)		R14	1.5K "	5
C17	100 "	"	CV			R15	750 "	$\frac{1}{2}$
C18	100 "	"				R16-17	600 "	"
C19	100 "	"				R18	300 "	1
C20-21	50 "	"				R19	0.8 "	"
C22-24	3-30 "	Trimmer	PL	6.5 v., 0.25 amp. tub. M.E.S. lamp		R20	500K "	Pot
C25-27	5 "	Ceramic				R21	500K "	"

NOTE ~ DIAL DRUM
SHOWN WITH CONDENSER FULLY MESHED.



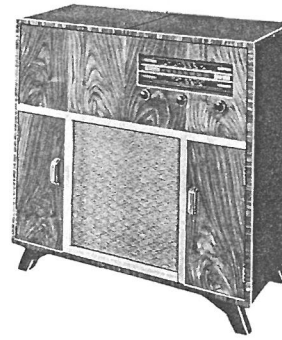
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Gulbransen

6-valve Broadcast in richly polished wood veneer cabinet. Model 6153.

*same cabinet
as 6154*



Gulbransen

6-valve Broadcast Radiogram Console in handsome new modern veneered cabinet. Model 6153 RGC I.