



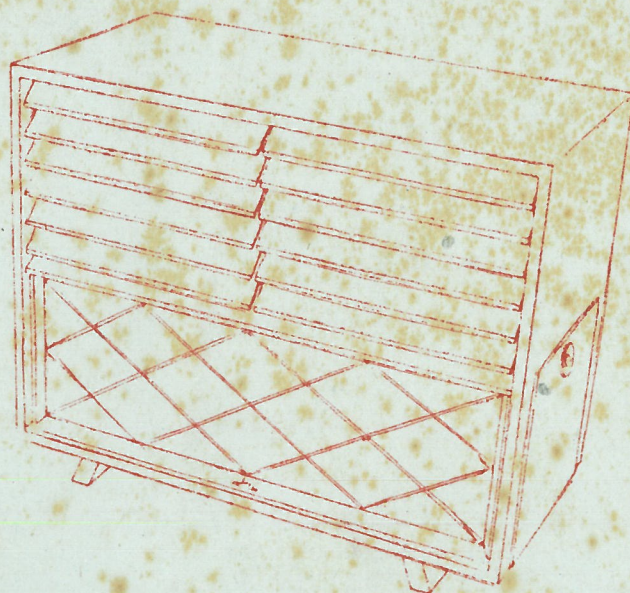
... The Hallmark of Quality

"HIS MASTER'S VOICE"

SERVICE SHEET for....

CONTEMPORARY

MODEL 5507



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

H.M.V. "CONTEMPORARY STYLE"

RADIOGRAM

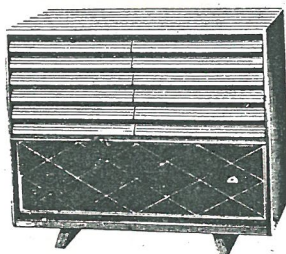
Model 5507

is listed at 6V 8C

in H.M.V.
Service

RTE
Sept 1955

5506 in
tabletop
= 5V



H.M.V. (N.Z.) Ltd., is again to the fore with its new "Contemporary Style" radiogram which is to be introduced to the New Zealand market in late September, 1955.

Here traditional "H.M.V." quality is housed in a striking cabinet styled to harmonize with contemporary decorative schemes. The original louvre treatment conceals a 6-valve dual wave, 3-speed automatic radiogram. Storage space for 300 records is located behind the lower panel, which comes in maroon, primrose or dove grey.

Cabinet dimensions: 36 in. wide by 31 in. high by 18 in. deep.

Model 5507

change only

Watch for "Contemporary Style" in the stores of

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

"*Contemporary*"
MODEL 5507 (1955)

5506 = 5V

DESCRIPTION

RADIO

Six valve broadcast A.C. superheterodyne
Radio gramophone.

GRAM UNIT

Monarch three speed automatic record changer
with Ronette type 'P' head.

VALVES

-6 BE 6	-	Converter
-6 BA 6	-	I.F. Amplifier
-6 AT 6	-	2nd detector & gram pre-amplifier
-6 AU 6	-	Audio Amplifier ← <i>Note</i>
-6 AQ 5	-	Output
-6X4	-	Rectifier

SPEAKER

Rola 12-0

POWER SUPPLY

230 volts 50 cycles

POWER CONSUMPTION

Receiver 55 watts

Record Changer 25 watts

FREQUENCY RANGE

Broadcast = 535 Kc/s - 1700 Kc/s

(I.F. = 455 Kc/s)

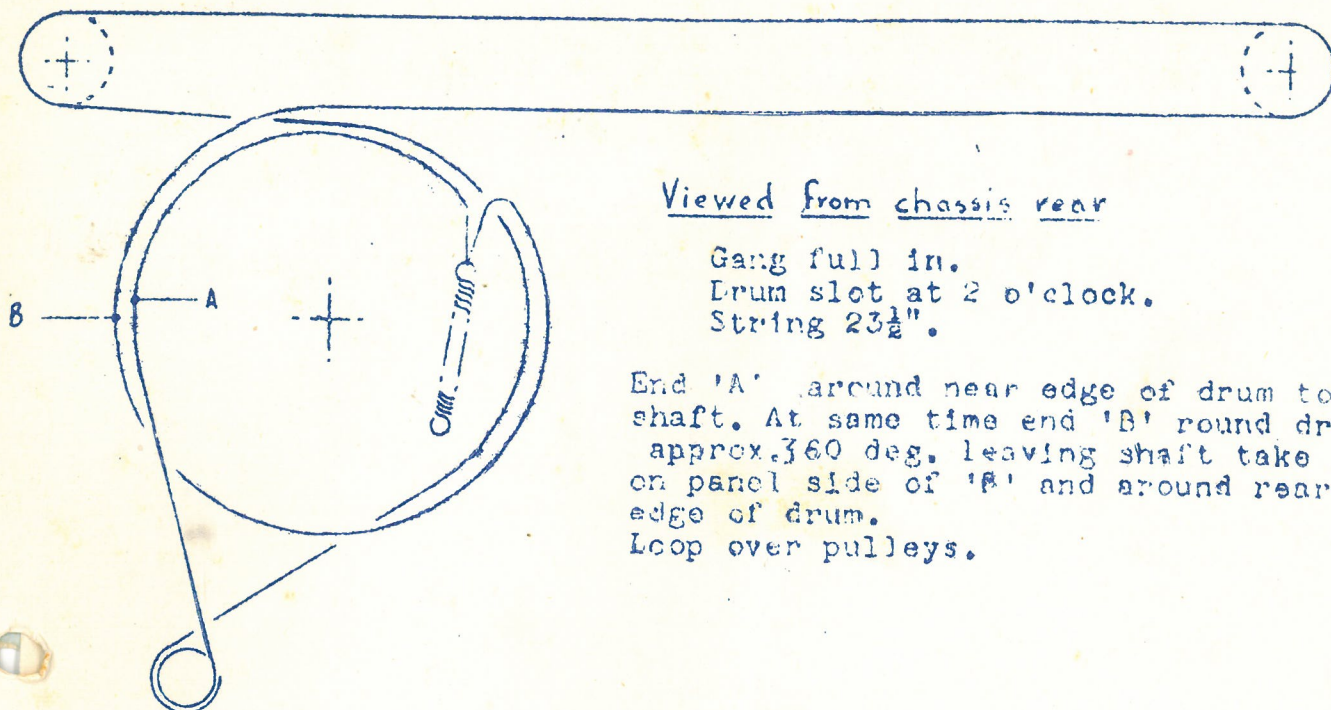
CABINET

Combined Console Radio & Gramophone with
Record storage bin.

INSTALLATION

For shipment the record changer retaining
bolts are screwed hard down. Once the set
is unpacked, these bolts should be loosened
off to allow the record-changer to float.
Do not completely remove the nuts.

5507



Viewed from chassis rear

Gang full in.
Drum slot at 2 o'clock.
String 23 $\frac{1}{2}$ ".

End 'A' around near edge of drum to shaft. At same time end 'B' round drum approx. 360 deg. leaving shaft take 'A' on panel side of 'B' and around rear edge of drum.
Loop over pulleys.

CIRCUIT ANALYSIS

Voltage Readings

<u>Valve</u>	<u>No.</u>	<u>Pin 1</u>	<u>Pin 2</u>	<u>Pin 3</u>	<u>Pin 4</u>	<u>Pin 5</u>	<u>Pin 6</u>	<u>Pin 7</u>
6BE6	1	-2v	0	0	6.3AC	240v	92v	0
6BA6	2	0	1v	6.3AC	0	240v	92v	1v
6AT6	3	0	0	0	6.3AC	0	0	54v
6AU6	4	0	9v	0	6.3AC	170v	37v	9v
6AQ5	5	0	14v	6.3AC	0	215v	240v	0
6X4	6	270AC	-	0	6.3AC	-	270AC	264v

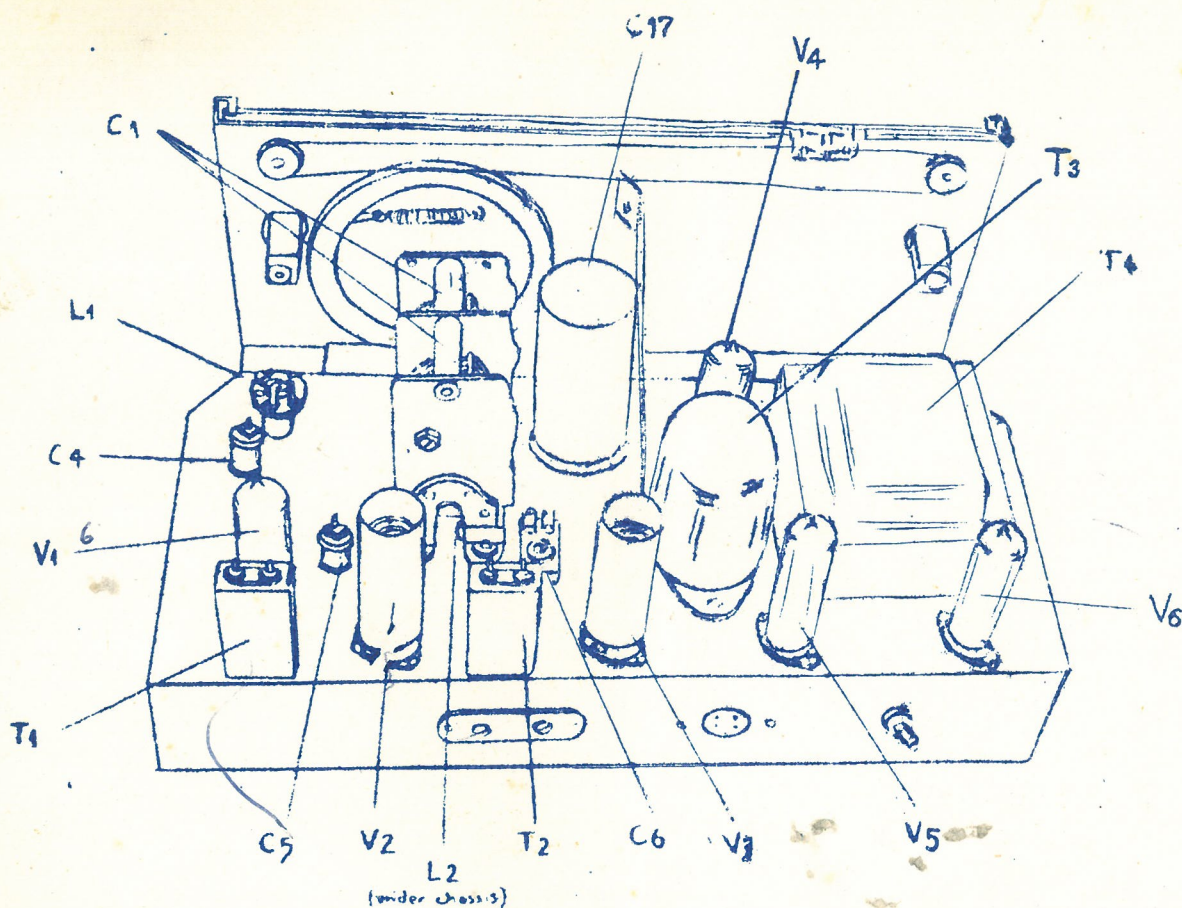
Resistance Readings

<u>Valve</u>	<u>No.</u>	<u>Pin 1</u>	<u>Pin 2</u>	<u>Pin 3</u>	<u>Pin 4</u>	<u>Pin 5</u>	<u>Pin 6</u>	<u>Pin 7</u>
6BE6	1	22K	0.1ohm	0	0.2ohm	1m	1m	2.5
6BA6	2	2.5m	100ohm	0.2ohm	0	1m	1m	100ohm
6AT6	3	10m	0	0	0.2ohm	550K	550K	1.5m
6AU6	4	1K	270ohm	0	0.2ohm	1m	1.5m	270ohm
6AQ5	5	500K	330ohm	0.2ohm	0	1m	1m	500K
6X4	6	430ohm	-	0.2ohm	0	-	430ohm	1m

PARTS LIST

<u>Item No:</u>	<u>Part No:</u>	<u>Description:</u>
C1	1500-H1	2 Gang Polar C1042
C2-21	1500-C3	5 PF Ceramic
C3-15-16	1500-A7	.05 350WV
C4-5	1500-F5	Philips Trimmer 3-30 PF
C6	1500-O9	Padder TP 11D
C7	1500-J	250 PF Mica
C8-9	1500-C8	.1 500WV
C10-11	1500-R	.0001 Silver Mica
C12-13	1500-B4	.01 500WV
C14-19	1500-L9	25 Mfd Electro 25WV
* C17	1500-W	.005 500WV
C20	1500-N4	40-40-20 Electro 350v
R1	1300-F2	25K 1/2W
R2	1300-O8	47 Ohm 1/2W
R3-12-20	1300-G7	100K 1/2W
R4	1300-I	100 Ohm 1W
R5	1300-E6	15K 2W
R6-17	1300-J1	2 Meg 1/2W
R7-19	1300-G2	50K 1/2W
R8-10-24	1300-I3	500K 1/2W
R9	1300-K1	10 Meg 1/2W
R11	1300-J9	5 Meg 1/2W
R13	P0 1145	1/2 Meg Pot with Switch
R14	1300-K4	250K 1/2W
R15	1300-C6	2K 1/2W
R16	1300-B4	500 Ohm 1W
R18-23	1300-F2	25K 1/2W
R21	1300-H7	270K 1/2W
R22	1300-I7	750K 1W
R25	1300-A5	330 Ohm 1W
R26	1300-B8	750 Ohm 4W
R27	1300-L6	1K 1W
V1	1400-N2	6BE6 Valve
V2	1400-W	6BA6 Valve
V3	1400-Y6	6AT6 Valve
V4	1400-AB6	6AU6 Valve
V5	1400-Z	6AQ5 Valve
V6	1400-Q7	6XL Valve
L1	CO 747	BC Aerial Coil
L2	CO 907	BC Osc Coil
T1-2	TR 1162	I.F. Transformer AP1001/52
T3	TR 297	Output Transformer CBG81
T4	TR 1318	Power transformer
	SP 299	Speaker Rola 12-0
	SC 304	Dial Scale
	DR 93	Dial Drum

* C18 deleted from this model.



ALIGNMENT

I.F. ALIGNMENT

Set Radio-gram switch to "Radio" position. Tune the set to the extreme low frequency end of the band. Set output meter to 50 milliwatts and connect across the voice coil of the speaker, then turn the volume and tone controls fully clockwise. Connect signal generator to receiver via a .1 mfd condenser. Set signal generator to I.F. frequency, then proceed as shown in operation 1 of alignment chart below.

R.F. ALIGNMENT

Set pointer to reference mark at left hand end of dial, then connect signal generator via a standard dummy antenna, and proceed as in operations 2 and 3 of alignment chart below.

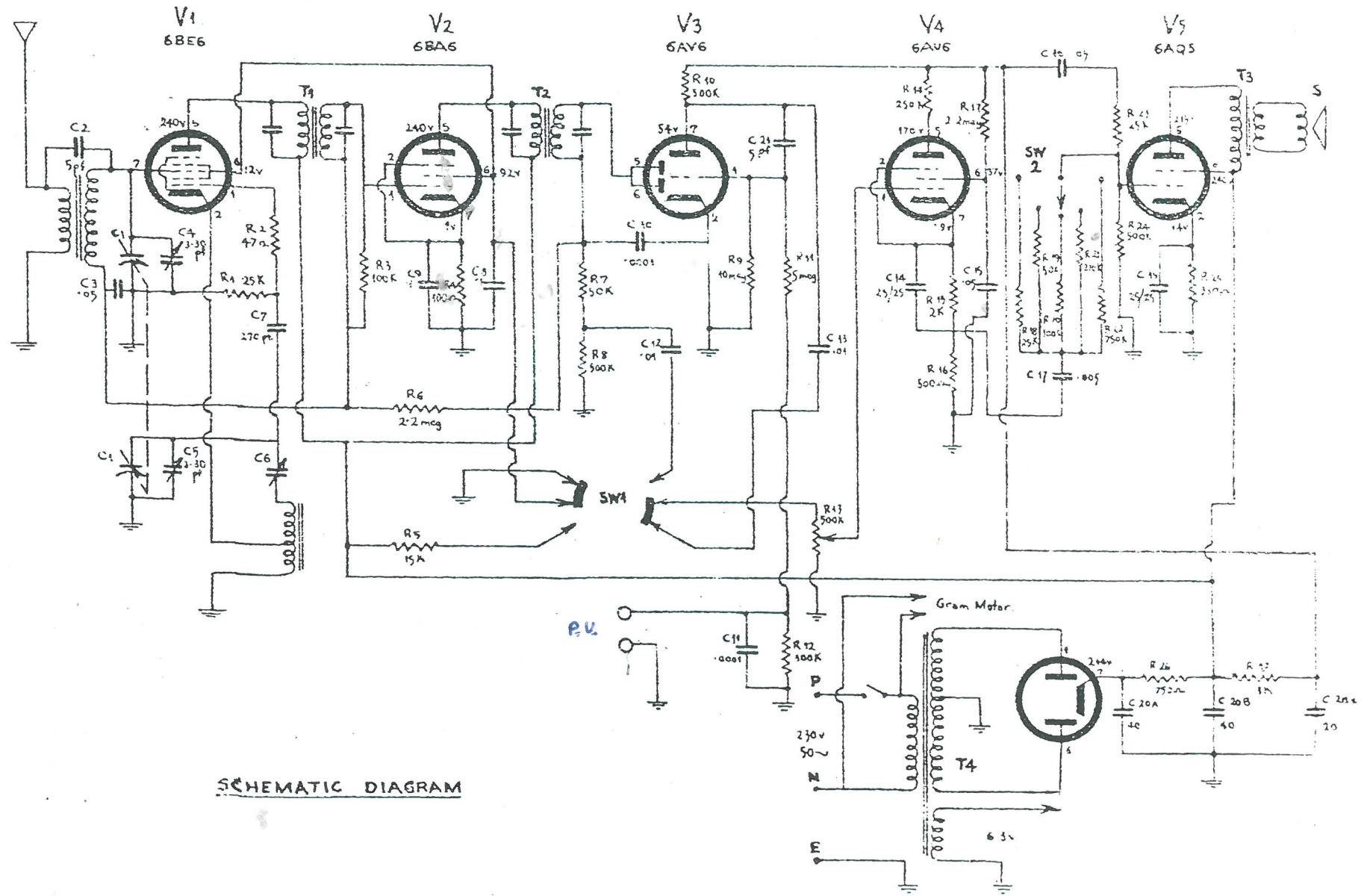
<u>Feed Sig.Gen to</u>	<u>Sig.Gen Setting</u>	<u>Radio Dial Setting</u>	<u>Adjust</u>	<u>Adjust for</u>
1. C1 front gang stator	455 Kc/s	535 Kc/s	T1, T2	Max output
2. Aerial Lead	600 Kc/s	600 Kc/s (Rock gang)	C6	Max output
3. Aerial Lead	1400 Kc/s	1400 Kc/s	C5 first, then C4	Max output

NOTE:- The slugs in the Aerial and Oscillator Coils should only be adjusted when calibration in centre portion of dial scale is out.

(5506 = 5V BC does not have 2nd AF stage (V4) using 6AV6)

the from E.H. → HMV Model 5507

Note At



SCHEMATIC DIAGRAM

5507