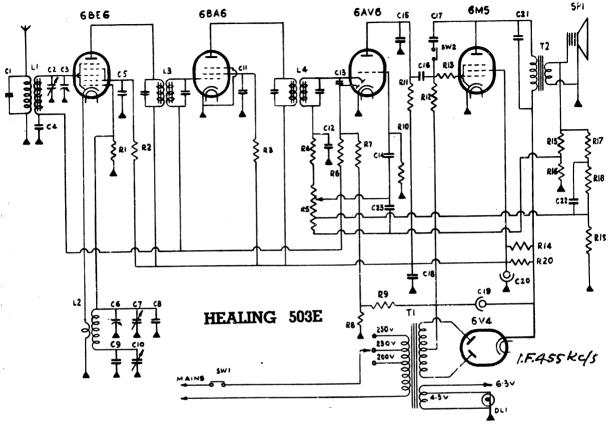
HEALING RADIO

Manufactured by A. G. Healing Ltd., Melbourne.

The following Healing Receivers, current in 1953, appeared in the "Australian Official Radio Service Manual," Vol. 11: 404E (page 122); 400H (page 124); 502G (page 126); Vol. 9: 579 E/G (page 129); 875G (page 131); 403B (page 131); 503B (page 146); 552B (page 152).



R5

R9

R10

R11

R12

R15

R16

R19

L1

L2

L3

L4

TI

T2

SP1

SW1

SW₂

R14, R20

R17, R18

R6, R7 R8

C1, C13 C2, C7,	.0001 mfd 400 volt Mica Condenser. Trimmer Condenser 3-30 pfd.
C10 C3, C6	12—450 pfd Variable Condenser, 2
C4 C5, C11, C18	gang1 mfd 200 volt Paper Condenser05 mfd 400 volt Paper Condenser.
C8	.000015 mfd Ceramicon Condensor, Type N750
C9	.000425 mfd 400 volt Silvered Mica Condenser $+-2\frac{1}{2}\%$.
C12, C15,	.0002 mfd 400 volt Mica Candenser.
C14, C16,	.01 mfd 600 volt Paper Condenser.
C19	24 mfd 525 peak volts Electrolytic Condenser.
C20	16 mfd 350 peak volts Electrolytic Condenser.
C22	.05 mfd 200 volt Paper Condenser.

C23

RI

R2

R3

R4, R13

.0003 mfd 400 volt Mica Condenser.

20,000 ohms ½ watt Carbon Resistor.

100,000 ohms 1 watt Carbon Resistor.

20,000 ohms 1 watt Carbon Resistor.

50,000 ohms ½ watt Carbon Resistor.

A **
500,000 ohms potentiometer, tapped at
100,000 ohms with S.P. Switch, Type
RL582.
1 megohm ½ watt Carbon Resistor.
30 ohms ½ watt W.W. Resistor.
CO almos 1 watt W/W Resistor

60 ohms 1 watt W.W. Resistor.
10 megohm ½ watt Carbon Resistor.
250,000 ohms 1 watt Carbon Resistor.
500,000 ohms ½ watt Carbon Resistor.
6000 ohms 1 watt Carbon Resistor.
50 ohms ½ watt W.W. Resistor.
10 ohms ½ watt W.W. Resistor.

5000 ohm ½ watt Carbon Resistor.

1,500 ohms $\frac{1}{2}$ watt Carbon Resistor.

Aerial coil type RJ74. Oscillator coil type RJ75. I.F. Transformer, type RJ83. I.F. Transformer, type RJ83.

Power Transformer 240-0-240, 0-4.5-6.3 Type E Transformer for Rola Speaker, Type 5B, Z = 10,000 ohms. 5in. Permagnetic Speaker, Type 5B. S.P. Switch on Volume Control.

S.P. Toggle Switch. Dial Light, 6.3v, 0.3 amps.

DL1 | Dial Light, 6.3v

HEALING 503E

Power Supply: 200-250 volts A.C. 50 cycle.

Power Consumption: 37 watts.

Frequency Range: 540-1620 Kc/s.

Intermediate Frequency: 455 Kc/s.

Speaker Transformer Impedance: 10,000 ohms.

Dial Light: 6.3 volts, 0.3 amps.

D.C. Resistance of R.F. Coils					
Coil	Туре	Primary Ohms	Sec. Ohms		
Aerial Osc. 1st I.F. 2nd I.F.	RJ74 RJ75 RJ83 .RJ83	26 .5 8.5 8.5	2.6 2.5 8.5 8.5		

Typical Working Voltages

D.C. voltages measured to chassis, aerial disconnected, no signal input.

Bias across Resistor R8: 1.5 volts, R9: 3.1 volts.

`			1000 ohm per volt D.C. meter scales		
		A.C.	50V	250V	250V
Valve	Use	Heater	Cathode	Screen	Plate
6BE6	Convertor	6.3	0	76	185
6BA6	I.F.	6.3	0	50	185
6AV6	Det. AVC. 1st AF.	6.3	0		62
6M5	2nd AF.	6.3	0	185	207
6V4	Rect.	6.3	233		

Typical Valve Currents

Milliamps

Valve	Use	Cathode	Screen	Plate	Osc. Grid
6BE6 6BA6 6AV6	Convertor I.F. Det. A.V.C.	7.6 4.2 .4	5.6 1.1	1.8 3.1 .4	.2
6M5 6V4	1st A.F. 2nd A.F. Rect.	37	4 Total H.T. cu	33 urrent 49 m/a.	

Positions of Trimmers

Aerial and Oscillator trimmers on gang. Padder under chassis.