

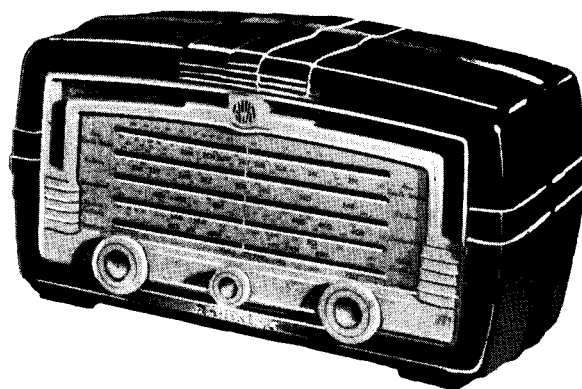
TECHNICAL INFORMATION  
AND  
SERVICE DATA

**AWA** **RADIOLA**

**Model 467-MA**

FOUR VALVE, BROADCAST, A.C. OPERATED  
SUPERHETERODYNE

ISSUED BY :  
AMALGAMATED WIRELESS (AUSTRALASIA) LTD.



The Model 467-MA incorporates a built-in Ferrite Rod Aerial. Apart from Alignment Table and Circuit and code, for all other technical and mechanical information, refer to the 449-MA Service Manual.

**ALIGNMENT TABLE**

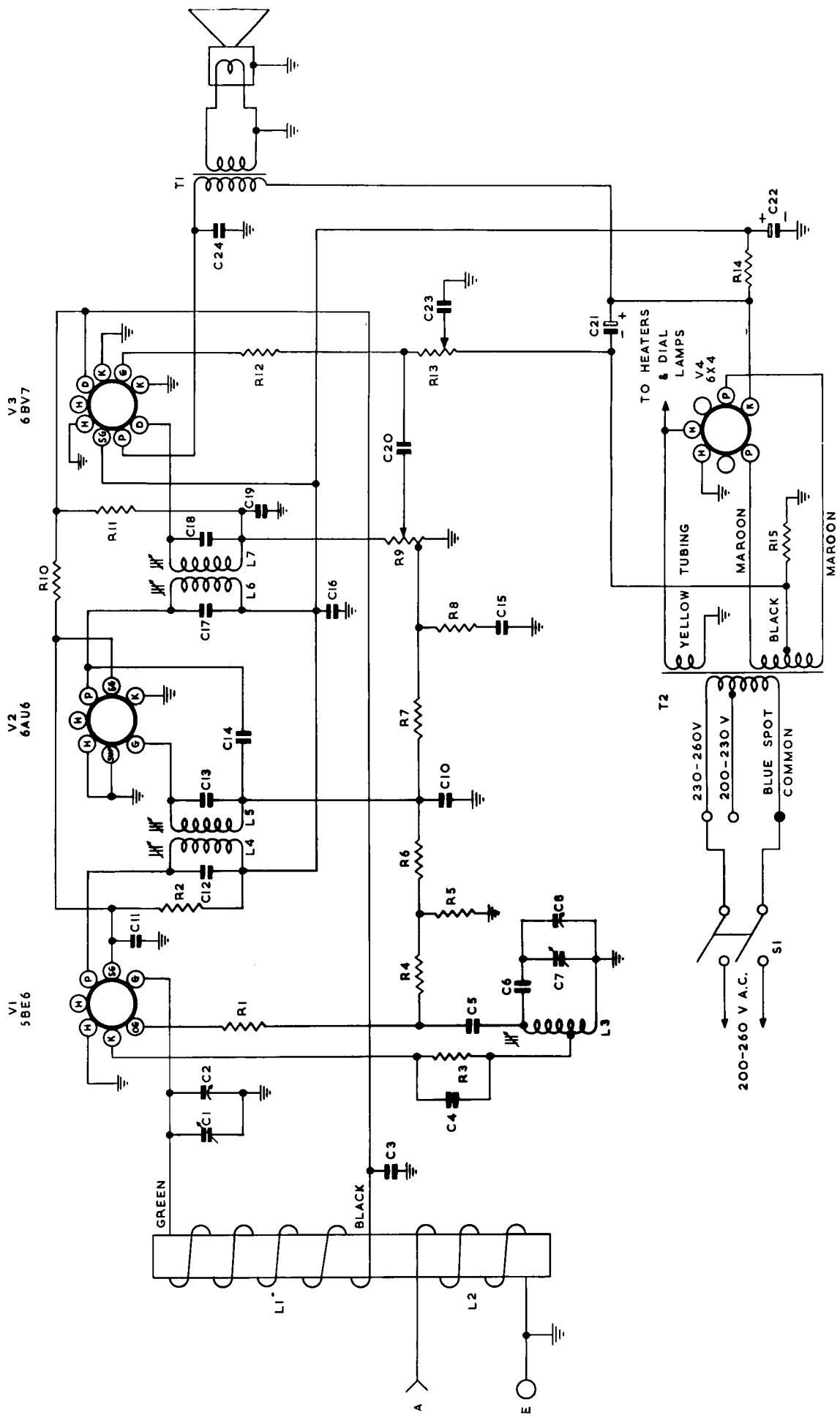
Alignment Order	Connect "high" side of Generator to:	Tune Generator to:	Tune Receiver Dial to:	Adjust for Maximum Peak Output:
1	Aerial Section of Gang (Drive End)	455 Kc/s	540 Kc/s.	L7 Core
2	Aerial Section of Gang (Drive End)	455 Kc/s	540 Kc/s.	L6 Core
3	Aerial Section of Gang (Drive End)	455 Kc/s	540 Kc/s.	L5 Core
4	Aerial Section of Gang (Drive End)	455 Kc/s	540 Kc/s.	L4 Core
Repeat the above adjustments until the maximum output is obtained.				
5	Inductively Coupled to Rod Aerial*	600 Kc/s.	600 Kc/s.	L.F. Csc. Core Adj (L3) †
6	Inductively Coupled to Rod Aerial*	1500 Kc/s.	1500 Kc/s.	H.F. Osc. Adj. (C7)
7	Inductively Coupled to Rod Aerial*	1500 Kc/s.	1500 Kc/s.	H.F. Aer. Adj. (C1)
Repeat adjustments 5, 6 and 7.				

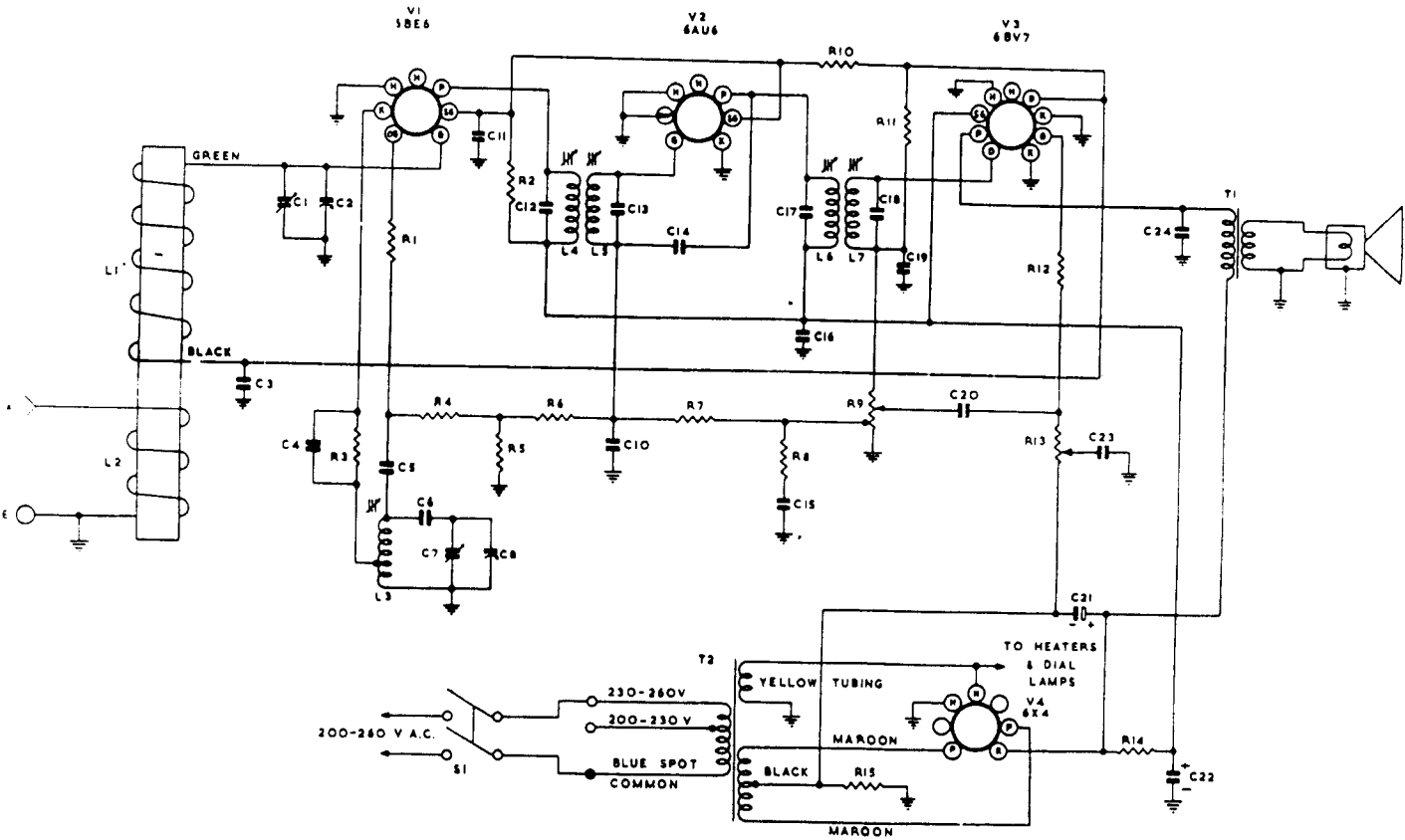
\*A coil comprising 3 turns of 16 gauge D.C.C. wire and about 12 inches in diameter should be connected between the output terminals of the test instrument, placed concentric with the rod aerial and distant not less than 1 foot from it.

† Rock the tuning control back and forth through the signal.

# CIRCUIT CODE — RADIO LA 467 — MA

Code No.	Description	Part No.	Code No.	Description	Part No.
<b>INDUCTORS</b>					
L1, L2	Ferrite Aerial Assy. ....	34327	C5	47 $\mu\mu\text{F}$ Silvered Mica	
L3	Oscillator Coil 540-1600 Kc/s .....	32406	C6	440 $\mu\mu\text{F}$ padder $\pm 2\frac{1}{2}\%$	
L4, L5	1st I.F. Transformer .....	27351	C7	8-40 $\mu\mu\text{F}$ spiral trimmer	
L6, L7	2nd I.F. Transformer .....	27351	C8	12-445 $\mu\mu\text{F}$ tuning	18685
<b>RESISTORS</b>					
R1	100 ohms		C9	Not used.	
R2	10,000 ohms	$\frac{1}{2}$ watt	C10	0.035 $\mu\text{F}$ paper 600V working	
R3	180 ohms	1 "	C11	0.05 $\mu\text{F}$ paper 400V working	
R4	15,000 ohms	$\frac{1}{2}$ "	C12	100 $\mu\mu\text{F}$ silvered mica (in 1st I.F.)	
R5	4,700 ohms	$\frac{1}{2}$ "	C13	100 $\mu\mu\text{F}$ silvered mica (in 1st I.F.)	
R6	1.0 megohm	$\frac{1}{2}$ "	C14	10 $\mu\mu\text{F}$ ceramic	
R7	1.0 megohm	$\frac{1}{2}$ "	C15	0.025 $\mu\text{F}$ paper 400V working	
R8	10,000 ohms	$\frac{1}{2}$ "	C16	0.1 $\mu\text{F}$ paper 400V working	
R9	0.5 megohm Volume Control .....	26890	C17	100 $\mu\mu\text{F}$ silvered mica (in 2nd I.F.)	
	(Tapped at 0.1 megohm)		C18	100 $\mu\mu\text{F}$ silvered mica (in 2nd I.F.)	
R10	10.0 megohms	$\frac{1}{2}$ watt	C19	200 $\mu\mu\text{F}$ mica	
R11	1.0 megohm	$\frac{1}{2}$ "	C20	0.05 $\mu\text{F}$ paper 200V working	
R12	4,700 ohms	$\frac{1}{2}$ "	C21	24 $\mu\text{F}$ 350 P.V. Electrolytic	
R13	1.0 megohm Tone Control .....	26444	C22	24 $\mu\text{F}$ 350 P.V. Electrolytic	
	(including S1)		C23	0.005 $\mu\text{F}$ paper 600V working	
R14	1000 ohms	1 watt	C24	0.01 $\mu\text{F}$ paper 600V working	
R15	100 ohms	$\frac{1}{2}$ "	<b>TRANSFORMERS</b>		
<b>CAPACITORS</b>					
C1	4-27 $\mu\mu\text{F}$ trimmer .....	33304	T1	Loudspeaker Transformer .....	31772A
C2	12-455 $\mu\mu\text{F}$ tuning .....	18685	T2	Power Transformer, 50-60 C.P.S. ....	25831
C3	0.05 $\mu\text{F}$ paper 200V working			40 C.P.S. ....	25833
C4	0.005 $\mu\text{F}$ paper 600V working			<b>LOUDSPEAKER</b>	
				5 inch Permanent Magnet .....	AC 63
				<b>SWITCHES</b>	
			S1	Power Switch (on R13)	





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Code No.	Description	Part No.	Code No.	Description	Part No.
<b>INDUCTORS</b>					
L1, L2	Ferrite Aerial Assy.	34327	C5	4 7/8 μF Silvered Mica	
L3	Oscillator Coil 540-1600 Kc/s	32406	C6	440 μF padder ± 21%	
L4, L5	1st I.F. Transformer	27351	C7	8-40 μF spiral trimmer	
L6, L7	2nd I.F. Transformer	27351	C8	12-445 μF tuning	18685
<b>RESISTORS</b>					
R1	100 ohms	1/2 watt	C9	Not used.	
R2	10,000 ohms	1 ..	C10	0.025 μF paper 600V working	
R3	180 ohms	1/2 ..	C11	0.05 μF paper 400V working	
R4	15,000 ohms	1/2 ..	C12	100 μF silvered mica (in 1st I.F.)	
R5	4,700 ohms	1/2 ..	C13	100 μF silvered mica (in 1st I.F.)	
R6	1.0 megohm	1/2 ..	C14	10 μF ceramic	
R7	1.0 megohm	1/2 ..	C15	0.025 μF paper 400V working	
R8	10,000 ohms	1/2 ..	C16	0.1 μF paper 400V working	
R9	0.5 megohm Volume Control (Tapped at 0.1 megohm)	26890	C17	100 μF silvered mica (in 2nd I.F.)	
R10	10.0 megohms	1/2 watt	C18	100 μF silvered mica (in 2nd I.F.)	
R11	1.0 megohm	1/2 ..	C19	200 μF mica	
R12	4,700 ohms	1/2 ..	C20	0.05 μF paper 200V working	
R13	1.0 megohm Tone Control (including S1)	26444	C21	24 μF 350 P.V. Electrolytic	
R14	1000 ohms	1 watt	C22	24 μF 350 P.V. Electrolytic	
R15	100 ohms	1/2 ..	C23	0.005 μF paper 600V working	
<b>CAPACITORS</b>					
C1	4-27 μF trimmer	33304	C24	0.01 μF paper 600V working	
C2	12-455 μF tuning	18685	<b>TRANSFORMERS</b>		
C3	0.05 μF paper 200V working		T1	Loudspeaker Transformer	31772A
C4	0.005 μF paper 600V working		T2	Power Transformer, 50-60 C.P.S.	25831
<b>SWITCHES</b>					
S1	Power Switch (on R13)			40 C.P.S.	25833
<b>LOUDSPEAKER</b>					
5 inch Permanent Magnet					
AC 63					