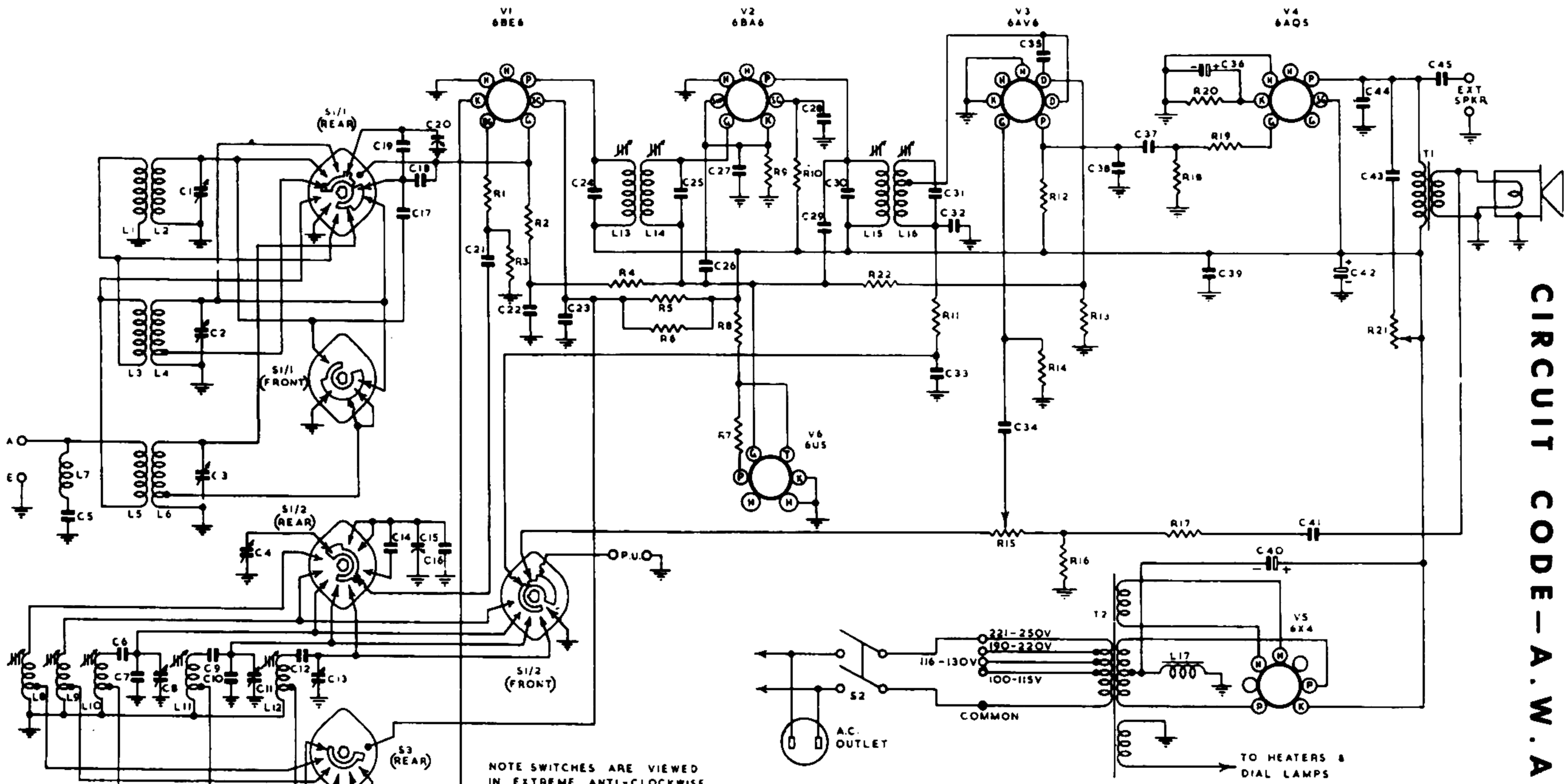
CIRCUIT CODE—A.W.A. RADIO 1548-MA

Ned. Ver. v. Historie v/d Radio



CAPACITORS

C1	2-20 $\mu\mu$F air trimmer	
C2	2-20 $\mu\mu$F air trimmer	
C3	2-20 $\mu\mu$F air trimmer	
C4	2-20 $\mu\mu$F air trimmer	
C5	50 $\mu\mu$F silvered mica	
C6	2550 $\mu\mu$F padder	± 2½%
C7	12 $\mu\mu$F N750	
C8	2-20 $\mu\mu$F air trimmer	
C9	1350 $\mu\mu$F padder	± 2½%
C10	12 $\mu\mu$F N750	
C11	2-20 $\mu\mu$F air trimmer	
C12	470 $\mu\mu$F padder	± 2½%
C13	2-20 $\mu\mu$F air trimmer	
C14	120 $\mu\mu$F N750	± 2½%
C15	12-430 $\mu\mu$F tuning	
C16	6 $\mu\mu$F N750	
C17	14 $\mu\mu$F mica	
C18	200 $\mu\mu$F mica	
C19	120 $\mu\mu$F N750	± 2½%
C20	12-430 $\mu\mu$F tuning	
C21	47 $\mu\mu$F mica	
C22	0.05 μF paper 200V working	
C23	0.05 μF paper 400 V working	
C24	100 $\mu\mu$F silvered mica	
C25	100 $\mu\mu$F silvered mica	
C26	0.025 μF paper 400V working	
C27	0.1 μF paper 200V working	
C28	0.05 μF paper 400V working	
C29	14 $\mu\mu$F mica	
C30	100 $\mu\mu$F silvered mica	
C31	100 $\mu\mu$F silvered mica	
C32	100 $\mu\mu$F mica	
C33	100 $\mu\mu$F mica	
C34	0.01 μF paper 600V working	
C35	47 $\mu\mu$F mica	
C36	25 μF 40 P.V. electrolytic	
C37	0 025 μF paper 400V working	
C38	100 $\mu\mu$F mica	
C39	0.05 μF paper 400V working	
C40	8 μF 525 P.V. electrolytic	
C41	0.4 μF paper 200V working	
C42	16 μF 525 P.V. electrolytic	
C43	0.1 μF paper 400V working	
C44	0.0025 μF paper 600V working	
C45	0.25 μF paper 400V working	

TRANSFORMERS

T1	Loudspeaker Transformer	XA1
T2	Power Transformer	25827

LOUDSPEAKER

	9" x 6" permanent magnet	BF18

SWITCHES

S1	Range Switch	30731
S2	Power Switch (on R21)	

INDUCTORS

L1, L2	Aerial Coil 540-1,600 Kc/s
L3, L4	Aerial Coil 1.5-4 Mc/s and 3.7-10 Mc/s
L5, L6	Aerial Coil 9.5-15 Mc/s and 14.8-23 Mc/s
L7	I.F. Filter (including C5)
L8	Oscillator Coil 14.8-23 Mc/s
L9	Oscillator Coil 9.5-15 Mc/s
L10	Oscillator Coil 3.7-10 Mc/s
L11	Oscillator Coil 1.5-4 Mc/s
L12	Oscillator Coil 540-1,600 Kc/s
L13, L14	1st I.F. Transformer
L15, L16	2nd I.F. Transformer
L17	Filter Choke

RESISTORS

R1	100 ohms	½ watt
R2	1.0 megohm	½ ,,
R3	22,000 ohms	½ ,,
R4	1.0 megohm	½ ,,
R5	47,000 ohms	1 ,,
R6	47,000 ohms	1 ,,
R7	1.0 megohm	1 ,,
R8	22,000 ohms	1 ,,
R9	100 ohms	½ ,,
R10	56,000 ohms	1 ,,
R11	47,000 ohms	½ ,,
R12	0.27 megohm	1 ,,
R13	2.2 megohms	½ ,,
R14	10 megohms	½ ,,
R15	1.0 megohm Volume Control	
R16	100 ohms	½ watt
R17	1,000 ohms	½ ,,
R18	0.47 megohm	½ ,,
R19	47,000 ohms	½ ,,
R20	330 ohms	1 ,,
R21	0.1 megohm Tone Control (incl. S2)	
R22	1.5 megohms	½ watt

SOCKET VOLTAGES

	VALVE	Cathode to Chassis Volts	Screen Grid to Chassis Volts	Anode to Chassis Volts	Anode Current mA	Heater Volts
6BE6	Converter	0	85	250	2	6.3
6BA6	I.F. Amp.	1	90	250	7	6.3
6AV6	Det., A.F. Amp., A.V.C.	10	—	90*	0.7	6.3
6AQ5	Output		250	235	40	6.3
6X4	Rectifier	14		300 A.C.		6.3
		250	Target Volts	Target Current		
6U5	Tuning Indicator	0	200	2mA	0.2	6.3

Volts across L17 = 70.

Total H.T. Current = 70mA.

*Cannot be measured with an ordinary voltmeter.

Measured at 240 volts A.C. Supply. No signal input. Volume Control maximum clockwise.

Voltmeter 1,000 ohms per volt; measurements taken on highest scale giving accurate readable deflection.

DC RESISTANCE OF WINDINGS

Winding	D.C. Resistance in ohms
Aerial Coils:	
Primary (L1)	17
Secondary (L2)	4
Primary (L3)	4
Secondary (L4)	1.8
Primary (L5)	2.4
Secondary (L6)	*
Oscillator Coils:	
L8	*
L9	*
L10	*
L11	1.8
L12	4.5
I.F. Transformer Windings	18
I.F. Filter	17.5†
Power Transformer (T2)	
Primary	24
Secondary	360
Loudspeaker Input Transformer (T1)	
Primary	410
Secondary	*

* Less than 1 ohm.

† In some receivers this reading may be as high as 60 ohms.

The above readings were taken on a standard chassis, but substitution of materials during manufacture may cause variations and it should not be assumed that a component is faulty if a slightly different reading is obtained.