

PORTADYNE

1957-58 RANGE

The 1957-58 range of "Portadyne" receivers manufactured by Dynaport Radio and Television, Ltd. includes a number of models using the "AG44 Chassis": the "Continental 101" a bureau-type four-speed autoradiogramophone with front lowering panel; the TRG62, a table radiogramophone with four-speed auto-changer unit and twin loudspeakers; the RG457, a bureau-type four-speed auto-radiogramophone; and the "Curzon 202."

CHASSIS AG44

General Description: Five-valve (including rectifier), three-waveband (L.W./M.W./S.W.) receiver chassis.

Power Supply: A.C. mains, 200-250 volts.

Valves: (V1) 12AH8; (V2) 6BJ6; (V3) 6AT6; (V4) 6BW6; (V5) 5Y3.

Pilot Lamps: Two 6.5 volts, 0.3 amp.

Intermediate Frequency: 465 kc/s.

Alignment Procedure: *I.F.:* Inject a 465-kc/s. signal to control grid of V1 and adjust cores of T2 and then T1 for maximum output, reducing signal input as necessary to prevent A.G.C. circuits from acting. Transfer signal generator input to aerial and earth sockets via dummy aerial, inject a strong 465-kc/s. signal and adjust L1 for minimum output.

R.F.: Inject signals to aerial and earth sockets via dummy aerial and adjust circuits as follows:

L.W.: Set pointer to 1800 m., inject a 167-kc/s. signal and adjust L7 and then L4 for maximum output. Set pointer to 1000 m., inject a 300-kc/s. signal, and adjust C8 and then C5 for maximum output. Repeat above sequence of operations until no further improvement results.

M.W.: Set pointer to 500 m., inject a 600-kc/s. signal, and adjust L6 and then L3 for maximum output. Set pointer to 220 m., inject a 1365-kc/s. signal, and adjust C7 and then C4 for maximum output. Repeat above sequence of operations until no further improvement results.

S.W.: Set pointer to 46.5 m., inject a 6.5-Mc/s. signal, and adjust L5 and then L2 for maximum output. Set pointer to 17 m., inject a 17.7-Mc/s. signal, and adjust C6 and then C3 for maximum output. Repeat above sequence of operations until no further improvement results.

Component Values:

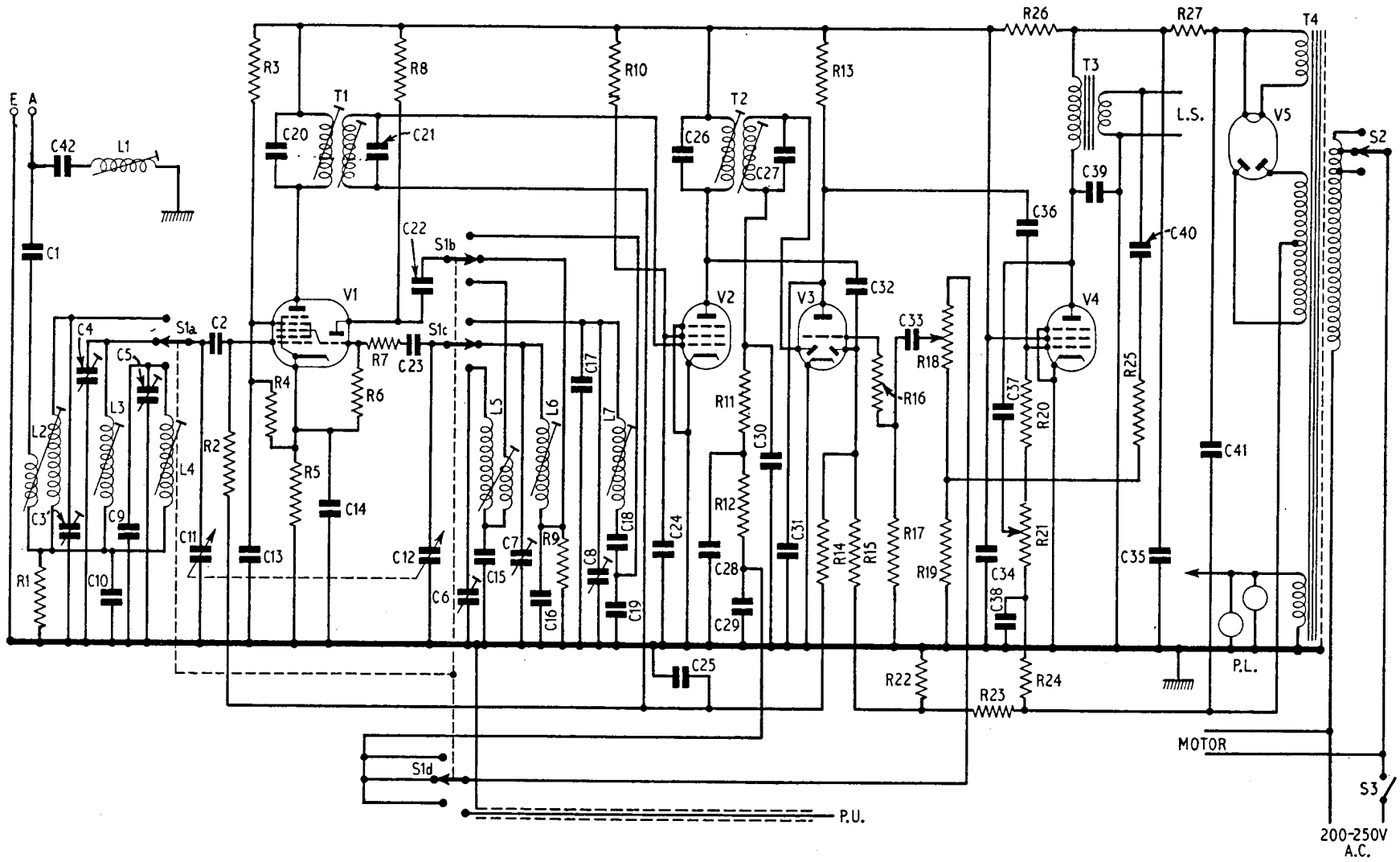
Capacitors.

C1	0.005 (500 v.)	C18	270 pF. (2%)
C2	100 pF.	C19	510 pF. (2%)
C3-}	4-40 pF.	C20	100 pF. (2%)
C8		C21	100 pF. (2%)
C9	56 pF. (10%)	C22	0.002 (500 v.)
C10	3900 pF. (5%)	C23	68 pF.
C11	525 pF. (swing)	C24	0.1
C12		C25	0.1
C13	0.1	C26	100 pF. (2%)
C14	0.1	C27	100 pF. (2%)
C15	2200 pF. (5%)	C28	100 pF.
C16	430 pF. (2%)	C29	180 pF.
C17	100 pF. (10%)	C30	100 pF.

Resistors.

R1	4.7k	R15	1M
R2	470k	R16	68k
R3	15k (10%)	R17	10M
R4	27k (10%)	R18	0.5M
R5	150 (10%)	R19	1k
R6	47k (10%)	R20	10k
R7	47	R21	0.5M
R8	27k (10%)	R22	15 (10%)
R9	4.7k	R23	150 (10%)
R10	39k (10%)	R24	270k
R11	47k	R25	10k
R12	47k	R26	1.5k (10%, 2 W.)
R13	270k	R27	470k (10%, 4 W.)
R14	1M		

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CIRCUIT DIAGRAM—PORTADYNE AG44 CHASSIS

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