

K-B

Model GR10/I

General Description : Five-valve (including rectifier), three-waveband superheterodyne table receiver. Released August 1951.

Power Supplies : A.C. mains, 200-250 volts, 50-100 c/s. (two adjustment positions).

Power Consumption : 50 watts.

Wavebands : L.W. 740-2100 m. (410-142 kc/s.); M.W. 187-585 m. (1610-570 kc/s.); S.W. 16.3-51 m. (18.4-5.9 Mc/s.).

Output : 3 watts to a high-flux 10-in. permanent-magnet elliptical loud-speaker of 3 ohms impedance.

Intermediate Frequency : 422 kc/s.

Valves : Brimar (V₁) 6BE6; (V₂) 6BA6; (V₃) 6AT6; (V₄) 6BW6; (V₅) 6X4.

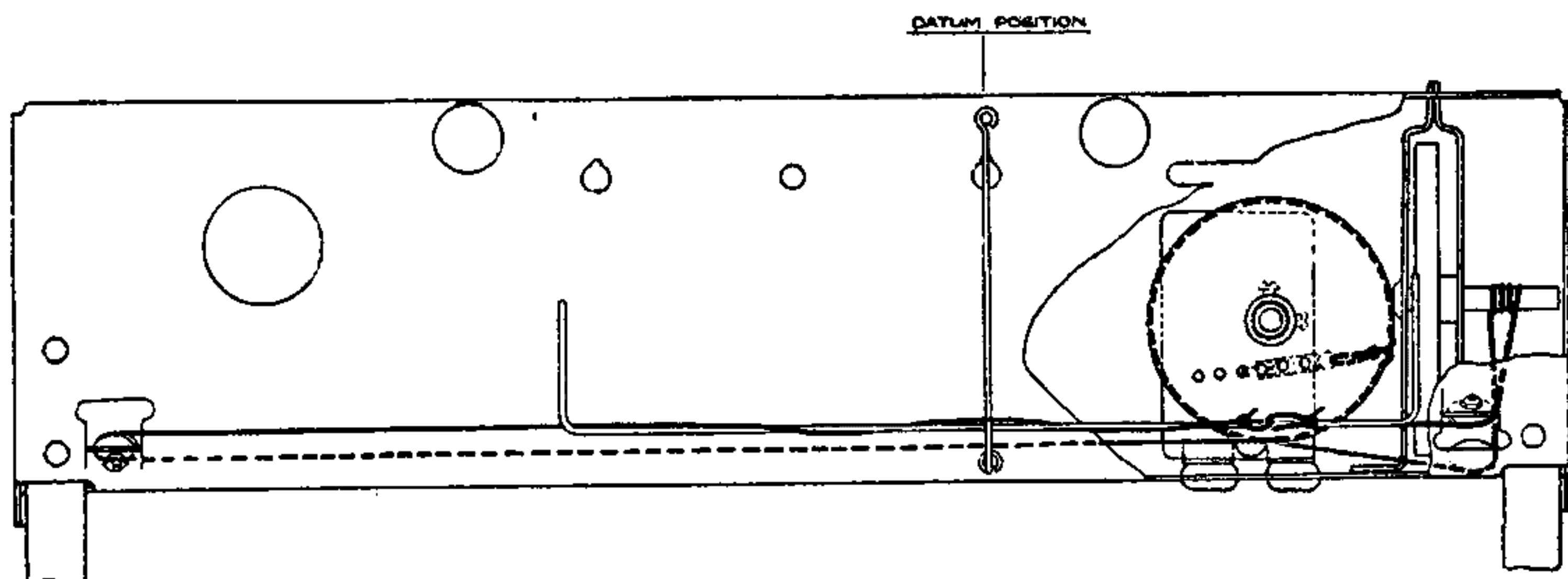
Dial Lamps : 6.5 volts, 0.3 amp. M.E.S. type.

Alignment Procedure : The alignment procedure is similar to that given for Models DR10, ER10 and FR10 (page 474).

Valve Analysis : The following readings were taken with the bandswitch in the M.W. position, volume control at minimum gain, aerial and earth disconnected. Mains voltage, 225 volts. Receiver adjusted to 240-volt tap. Total mains current 210 mA., H.T. current 70 mA.

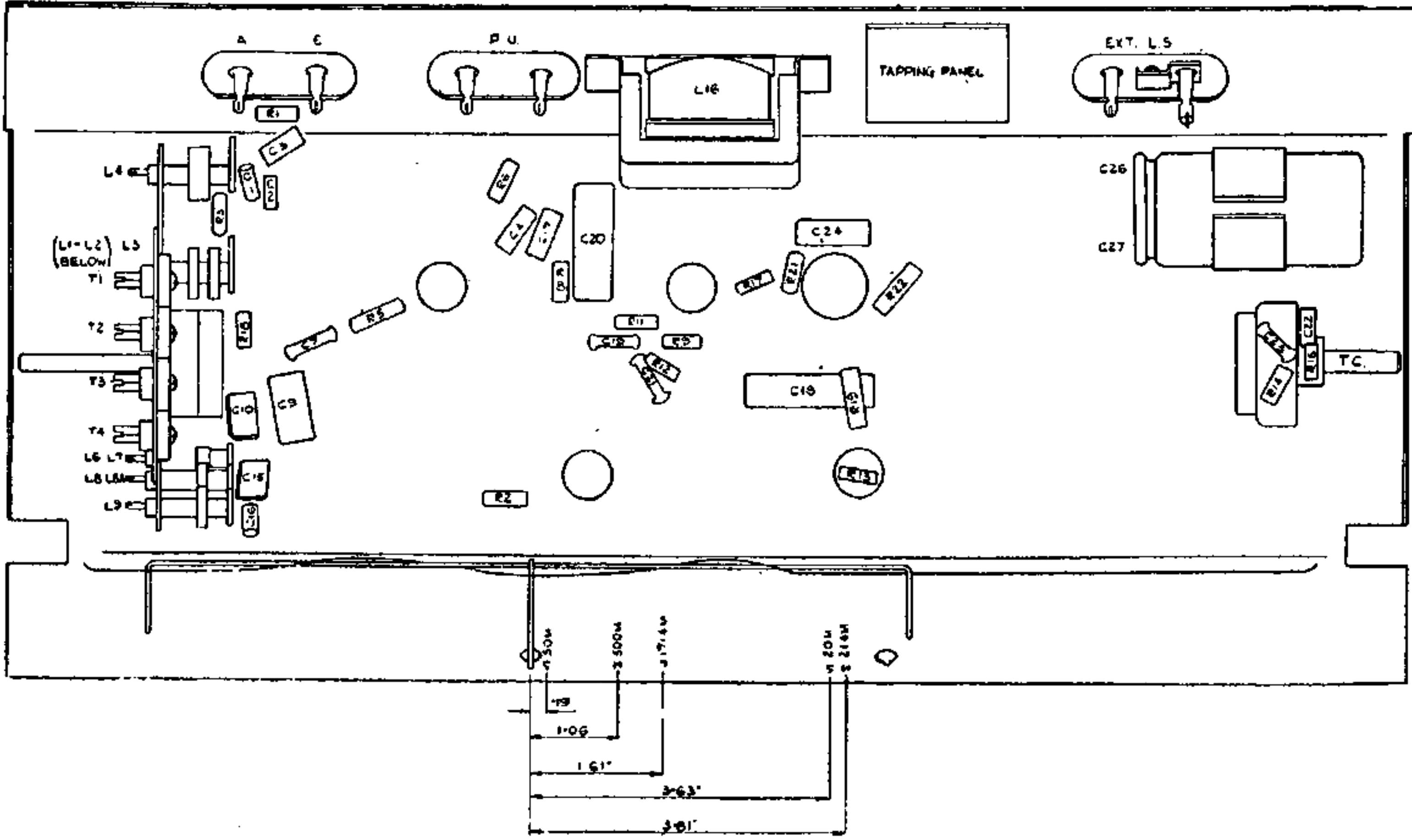
Valve	Volts Measured between Socket and Chassis							
	Pin 1	2	3	4	5	6	7	8
V ₁	SN	—	6.3 A.C.	—	245	97	—	—
V ₂	—	0.85	6.3 A.C.	—	245	97	0.85	—
V ₃	—	—	6.3 A.C.	—	SN	SN	62	—
V ₄	—	—	11.5	6.3 A.C.	—	270	260	245
V ₅	260 A.C.	—	6.3 A.C.	—	—	260 A.C.	270	—

SN, slightly negative.

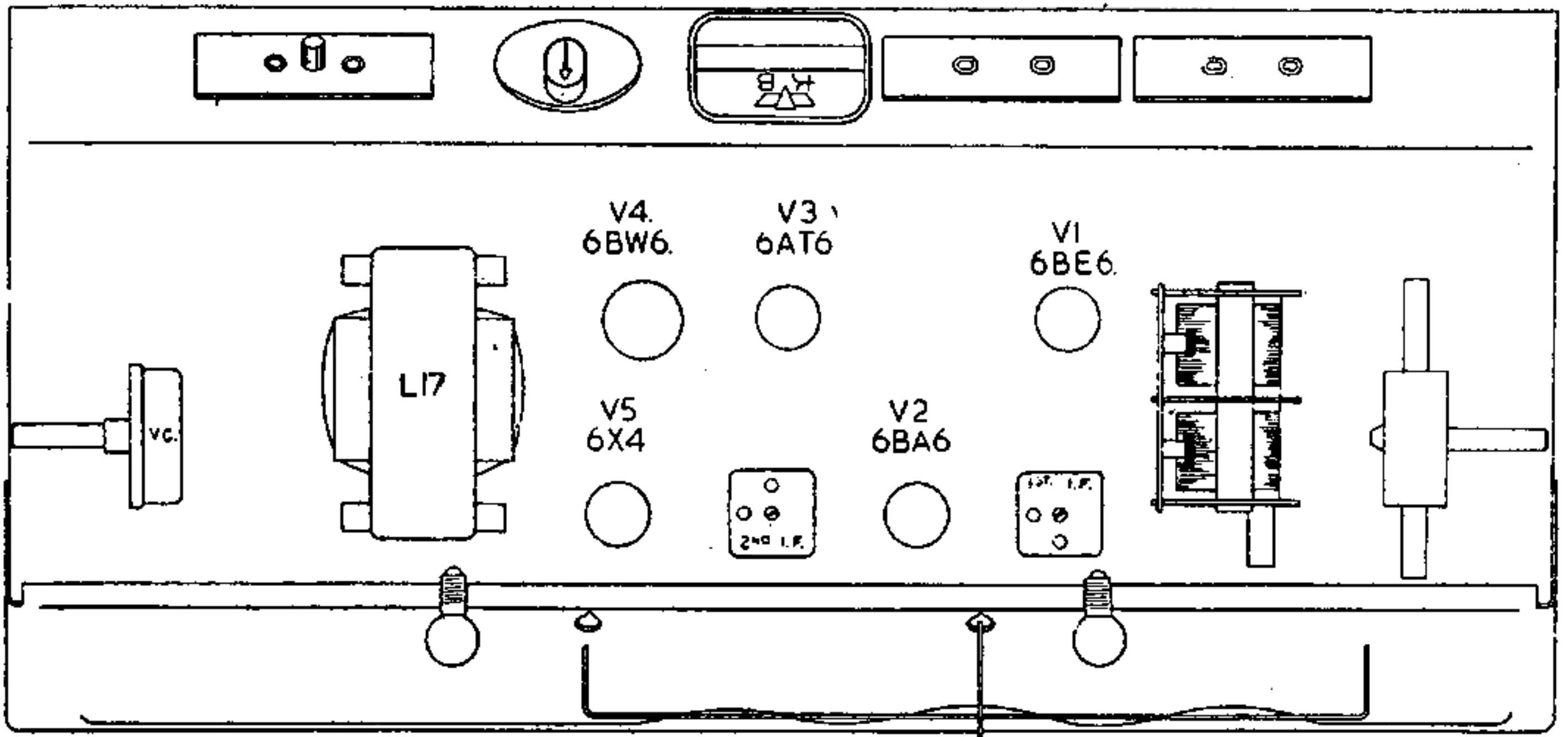


DRIVE-CORD ASSEMBLY

Note that pointer is shown in datum with gang closed.



UNDERCHASSIS VIEW—K-B MODEL GR10/I



TOP VIEW OF CHASSIS—K-B MODEL GR10/I

D.C. Resistance of Inductors (ohms).

L1	Less than 1	L13	5
L2	Less than 1	L14	5
L3	4	L16 (Pri.)	210
L4	18	L16 (Pri. tap to finish)	1.5
L6	Less than 1	L16 (Sec. 1)	Less than 1
L7	Less than 1	L16 (Sec. 2)	4
L8	Less than 1 (Winding 1)	L16 (Sec. 2)	Tap 32
L8A	4.4 (Winding 2)	L17 (Pri.)	50
L9	8	L17 (Sec. H.T.)	580
L11	5	L17 (Sec. L.T.)	Less than 1
L12	5		