

MARCONIPHONE

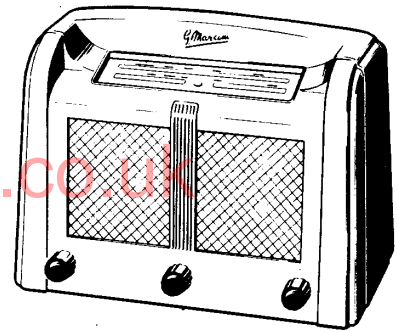
Model T25DA

COMPANION RECEIVER FOR

D.C./A.C. MAINS



THE GREATEST NAME IN RADIO



SPECIFICATION

PHYSICAL.

Height 8 inches	} Overall.
Width 10 $\frac{1}{2}$ inches	
Depth 6 $\frac{13}{16}$ inches	
Weight 7 $\frac{1}{2}$ lb.	

MAINS SUPPLY AND CONSUMPTION.

195 - 255 volts, D.C. or A.C.,
(25 - 100 cycles).

VALVES.

V1	X142	Frequency Changer.
V2	W142	I.F. Amplifier.
V3	DH142	Detector, A.G.C. Rectifier and A.F. Amplifier.
V4	N142	Output.
V5	U142	H.T. Rectifier.

SCALE LAMP.

3.5 Volts, 0.15 amp.

RATED OUTPUT.

5 watts maximum.

WAVE RANGES.

M.W. 187 - 555 metres.

L.W. 900 - 2,000 metres.

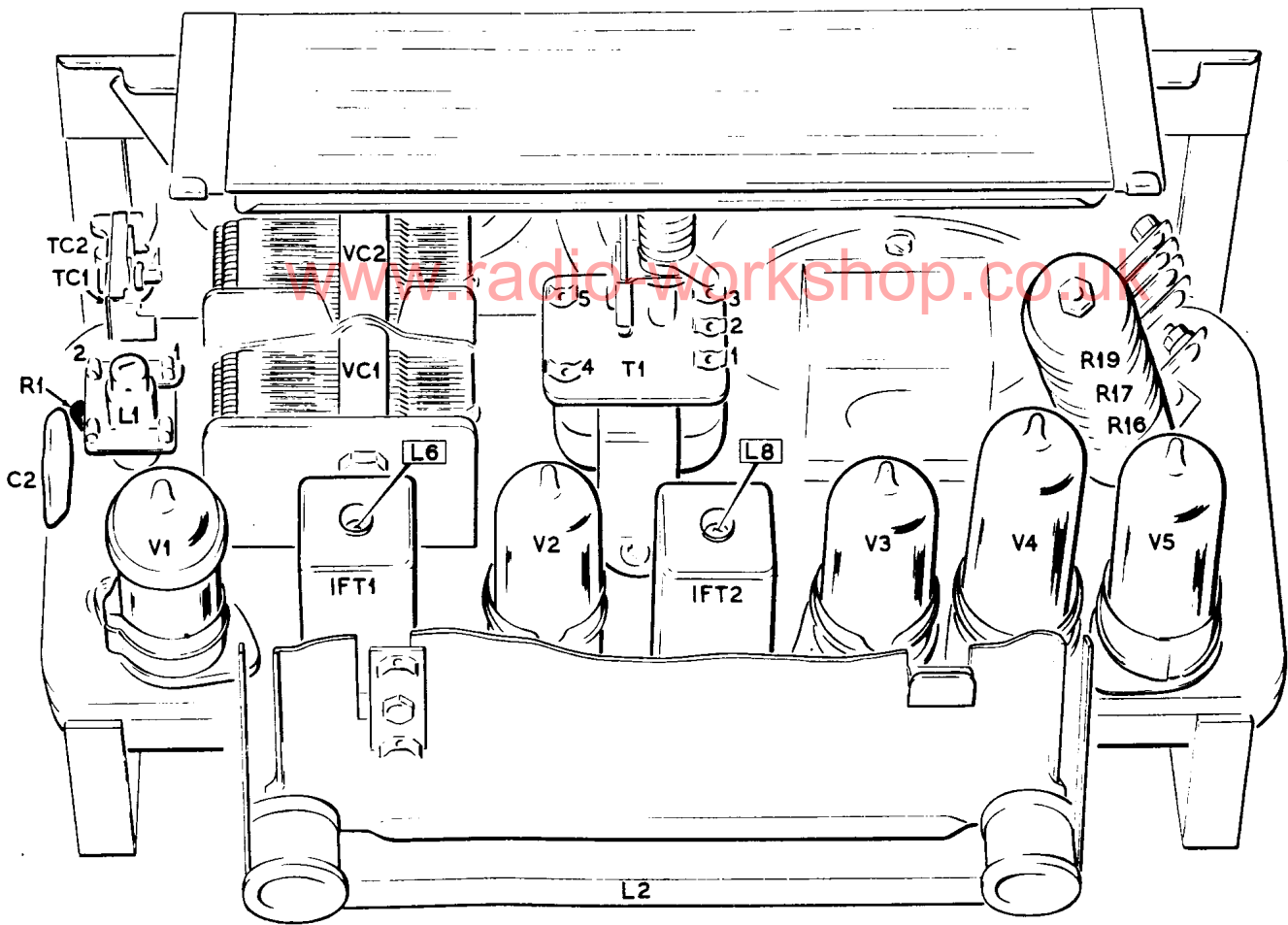
INTERMEDIATE FREQUENCY.

465 kc/s.

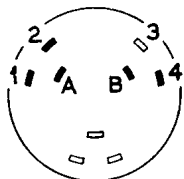
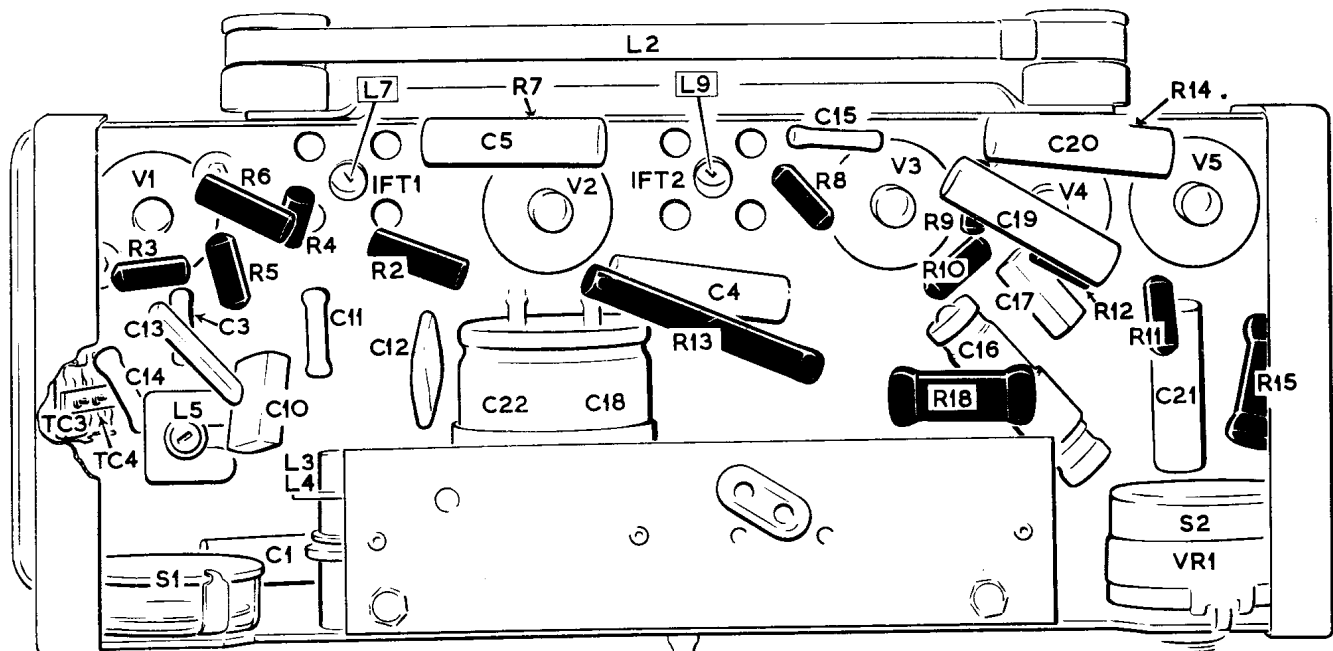
LOUDSPEAKER.

5-inch diameter, permanent magnet moving coil loudspeaker. The speech coil has a D.C. resistance of 2.6 ohms and an impedance of 3.5 ohms at 1,000 cycles.

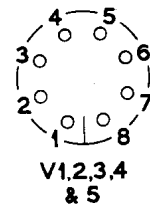
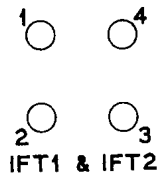
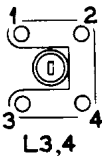
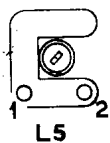
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TOP VIEW OF CHASSIS

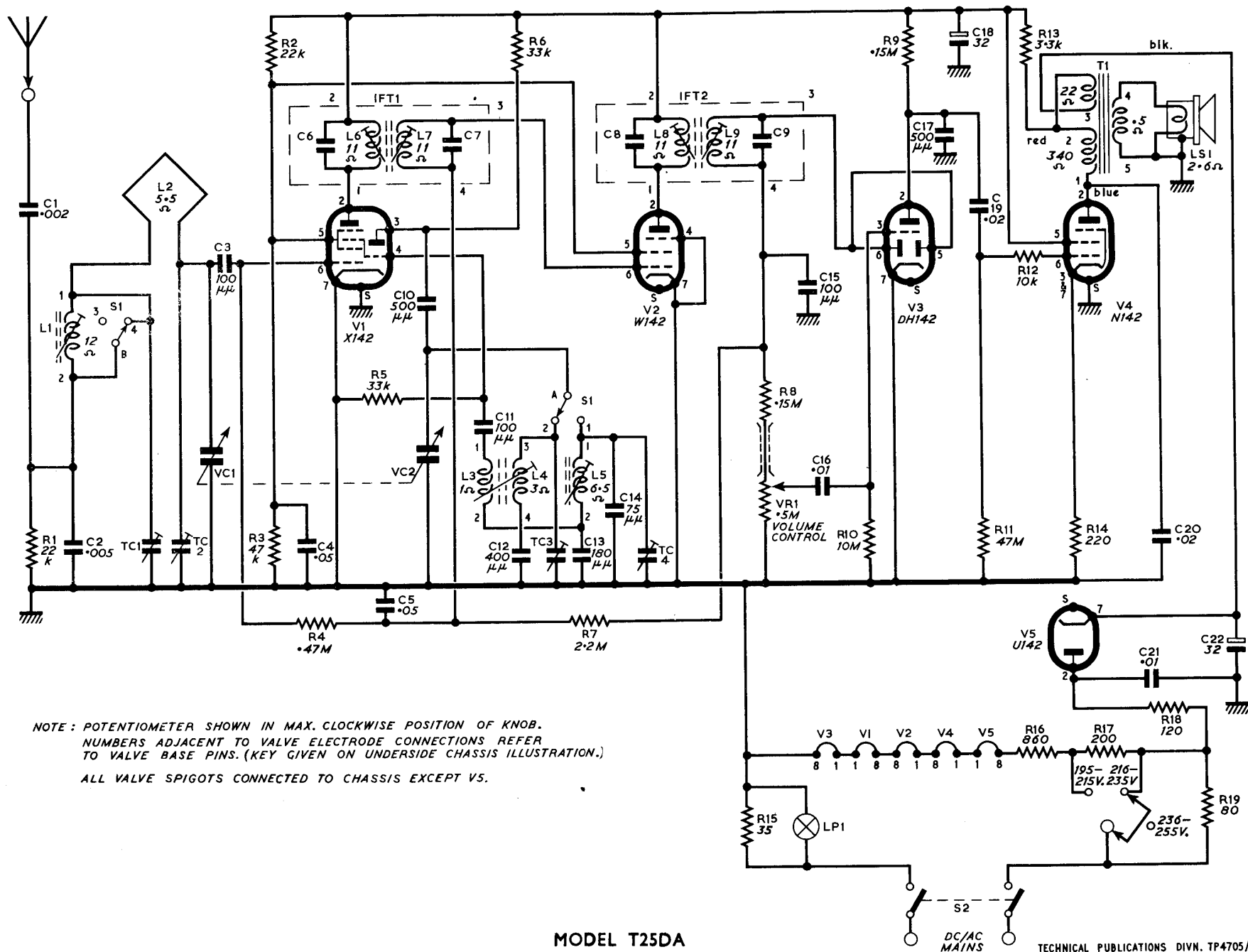


Contacts viewed from rear
(Used contacts blacked in.)



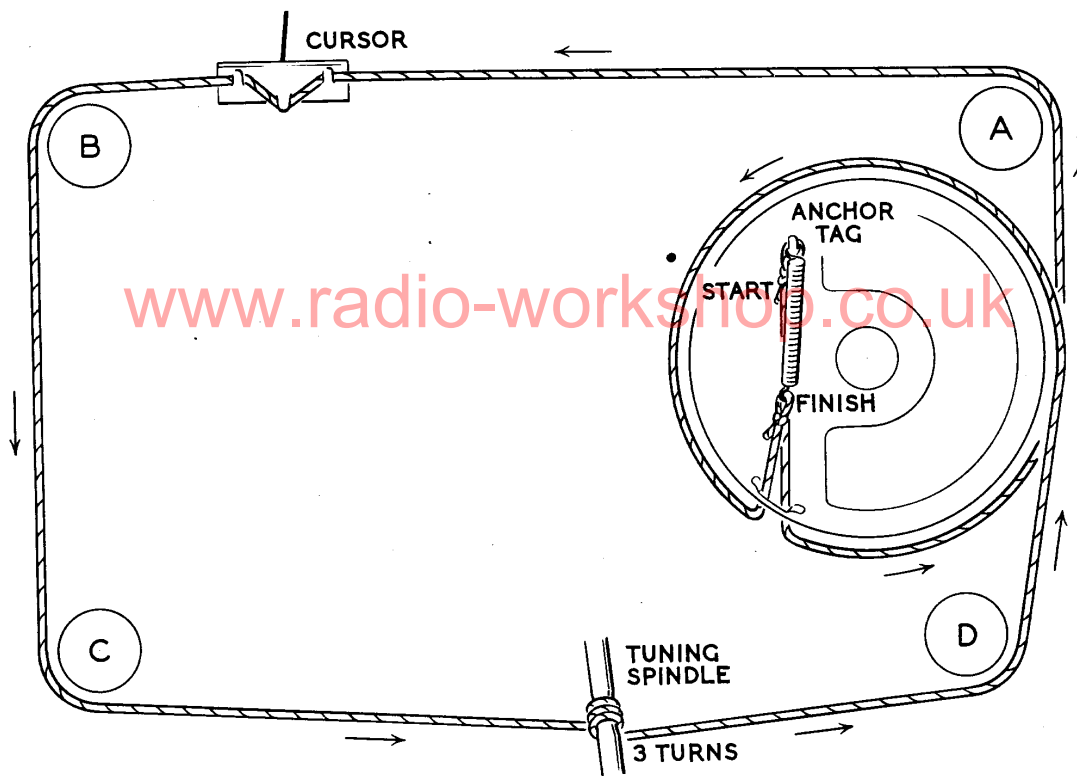
BOTTOM VIEW OF CHASSIS

C	1	2	3	6 4	5,10	7 12,11	13 8 14	9	16,15	17	18,19	21	20 22	C						
R	1		3	2 4	5		6 7	15 8	10	9	11	12,16,13	14,17	18	19 R					
MISC.	L1	S1,TC1	L2	TC2,VC1	L6,V1	IFT1,VC2,L7	L3	TC3,L4	SI,L5	V2,L8,TC4,IFT2	L9	VR1	LP1	V3	S2	V5	T1	V4	LS1	MISC.



NOTE: POTENTIOMETER SHOWN IN MAX. CLOCKWISE POSITION OF KNOB.
 NUMBERS ADJACENT TO VALVE ELECTRODE CONNECTIONS REFER
 TO VALVE BASE PINS. (KEY GIVEN ON UNDERSIDE CHASSIS ILLUSTRATION.)
 ALL VALVE SPIGOTS CONNECTED TO CHASSIS EXCEPT V5.

MODEL T25DA



VALVE TABLE

The following table indicates the approximate voltage readings obtained when the receiver is connected to a 230 volt, 50 cycle mains supply, with the voltage adjustment plug correctly set for this voltage. 500 ohms/volt meter used. All voltages obtained on 400V range.

VALVE.	ANODE Volts to Chassis		SCREEN Volts to Chassis	CATHODE Volts to Chassis	HEATER Volts to Chassis
	Mx.	Osc.			
V1 X142	150	85	55	-	26 A.C. (Pin 8)
V2 W142	150		55	-	40 A.C. (Pin 1)
V3 DH142 ...	65		-	-	14 A.C. (Pin 1)
V4 N142	210		150	10	84 A.C. (Pin 1)
V5 U142	216 A.C.		-	224	110 A.C. (Pin 8)

Total H.T. Current 57 mA.

Total Mains Current 165 mA (A.C.).

ISSUED BY:- **E.M.I. SALES & SERVICE LTD., HAYES, MIDDLESEX.**