

General Description: A mains operated stereo radiogram for the reception of A.M. and V.H.F./F.M. broadcast and incorporating a Mullard Module Type LP1164 in the common I.F. and A.M. mixer stages.

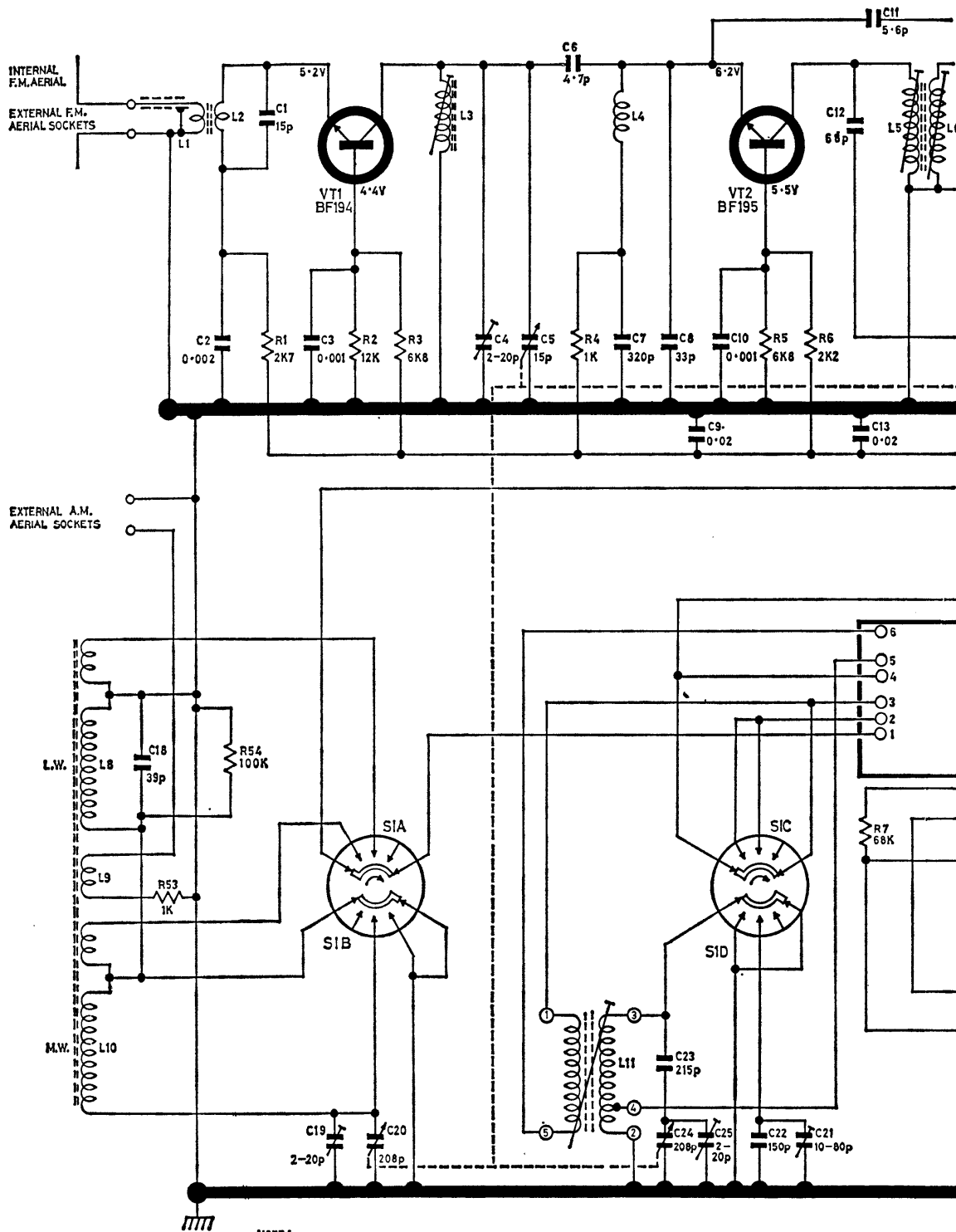
Wavebands: L.W. 2000-1150 metres (150-260kHz); M.W. 566-185 metres (530-1620kHz); F.M. (87-108 MHz).

Power Supply: 200-250volts A.C. 50Hz (cycles).

To Remove Chassis: Access to the chassis is obtained by removing two screws and lifting out the Record Compartment Panel. If required: Unsolder A.M. and F.M. aerial leads. Disconnect motor supply leads from terminal block. Remove speaker backcovers and unclip leads. Unsolder pick-up leads from gram unit and unclasp mains lead. Remove four nuts and washers at ends of scale backplate.

To Remove Gram Unit: Remove Record Compartment Panel. Disconnect supply leads from terminal block. Release transit clips through holes in base of cabinet. Unsolder pick-up leads.

RADIO SERVICING

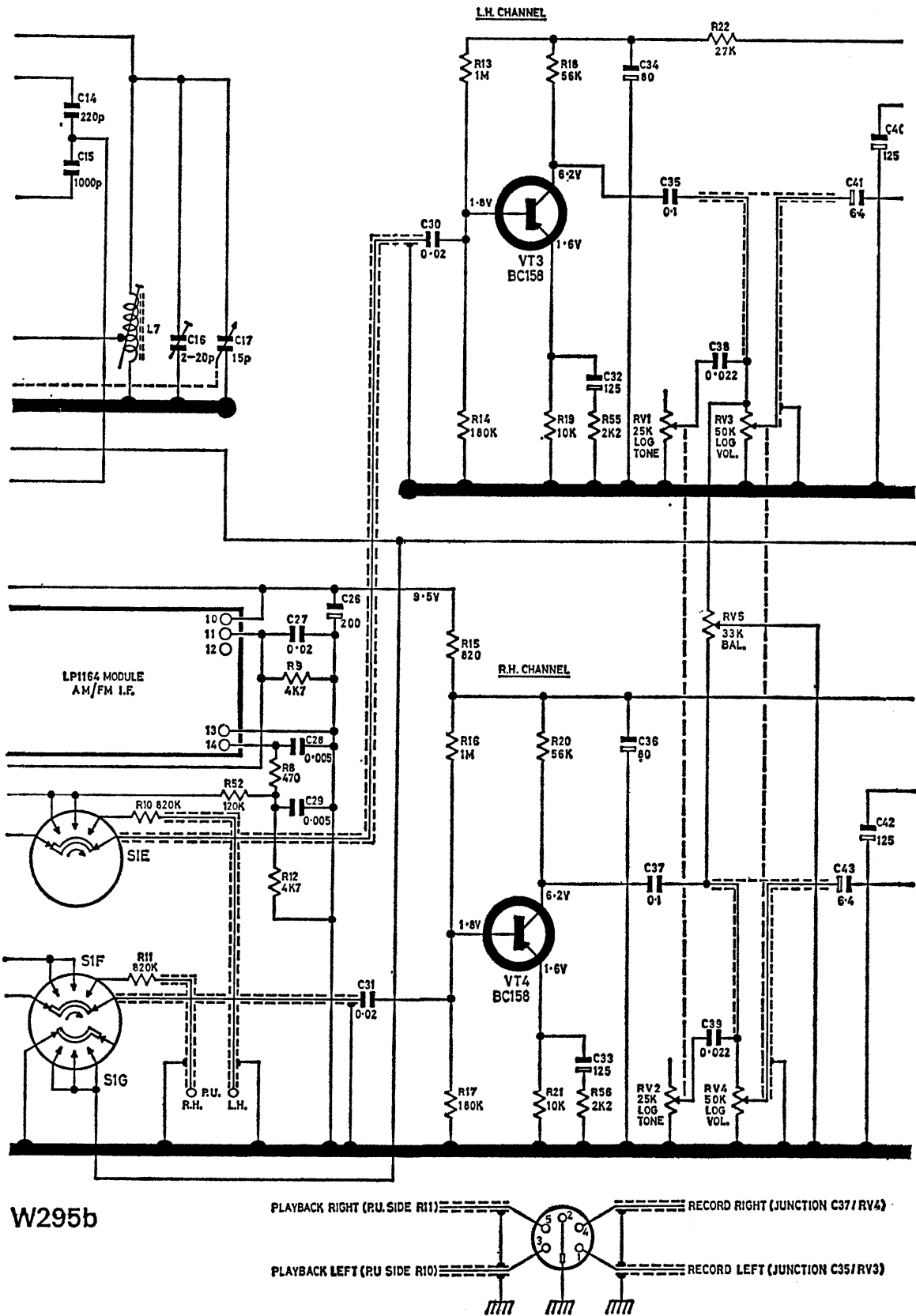


NOTE :-
 ALL RESISTOR VALUES SHOWN IN OHMS.
 ALL CAPACITOR VALUES SHOWN IN μ F UNLESS OTHERWISE STATED
 WAVECHANGE SWITCH SHOWN IN F.M. POSITION AND VIEWED FROM FRONT OF CHASSIS
 ALL VOLTAGES ARE MEASURED UNDER NO SIGNAL CONDITIONS, WITH RECEIVER SWITCHED TO F.M., AN INPUT OF 240V A.C. AND ARE NEGATIVE WITH RESPECT TO POSITIVE RAIL
 MAINS SWITCH S2 GANGED WITH TONE CONTROL RV1-RV2.
 WAVECHANGE SWITCH POSITIONS (FROM FULLY ANTICLOCKWISE) FM-MW-LW-GRAM.

W295a

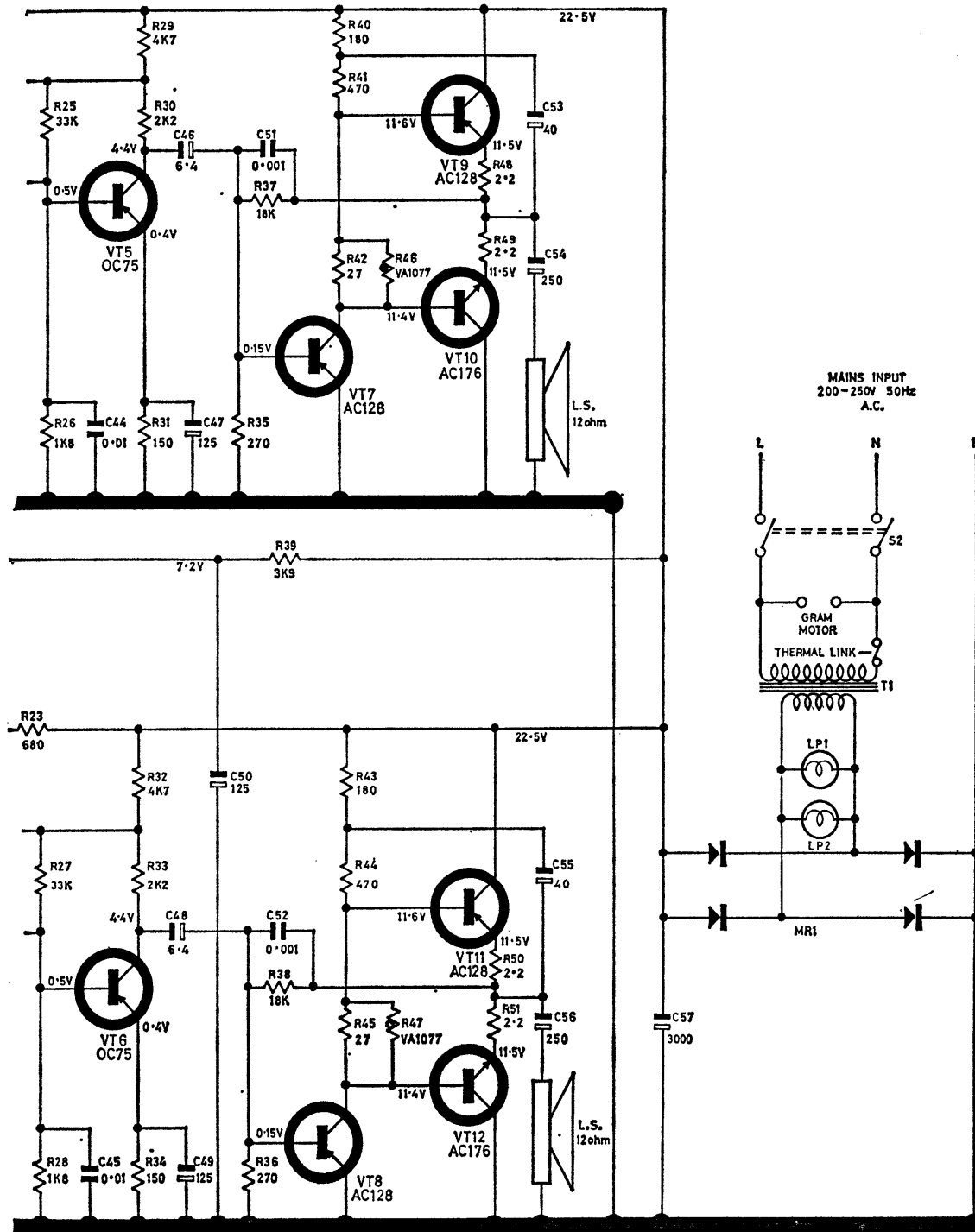
(W295a) CIRCUIT DIAGRAM—MODEL SRG608 (PART)

Circuit Note: In later production the following changes have been made:
 Record/Playback Socket added at rear of chassis, adjacent to aerial sockets.



(W295b) CIRCUIT DIAGRAM—MODEL SRG608 (PART)

Capacitors C38 and C39 are now 0.25 μ F and connected between chassis and sliders of RV3 and RV4 respectively.



W295c

(W295c) CIRCUIT DIAGRAM—MODEL SRG608 (CONTINUED)

Alignment (F.M.):

Apply signal, input terminated 75 ohms, as follows:

1. 10.7 MHz + 22½ kHz deviation, to F.M. external aerial sockets.
2. As (1) but 92 MHz.
3. As (1) but 102 MHz.
4. Repeat (2) and (3) until calibration and tracking cannot be improved.

Set receiver controls as below: Adjust in order for maximum output:

- F.M. band. Gang fully closed. Volume control at maximum.
- As (1) but tune to 92 MHz.
- As (1) but tune to 102 MHz.

Cores of L5 and L6.

Cores of L7 and L3.
Trimmers C16 and C4.

Alignment (A.M.):

<i>Apply a 30% modulated signal as below :</i>	<i>Set receiver controls as follows :</i>	<i>Adjust in order for maximum output :</i>
1. 600kHz via dummy aerial to A.M. external aerial sockets.	M.W. band. 500 metres.	Core of L ₁₁ and position of L ₁₀ on ferrite rod.
2. As (1) but 1500kHz.	M.W. band. 200 metres.	Trimmers C ₂₅ and C ₁₉ .
3. Repeat (1) and (2) until tracking and calibration cannot be improved.		
4. As (1) but 214kHz.	L.W. band. 1400 metres.	Trimmer C ₂₁ and position of L ₈ on ferrite rod.
5. Seal L ₈ and L ₁₁ on rod; also trimmers C ₁₉ , C ₂₁ and C ₂₅ .		

Note : It is not intended that any attempt should be made to realign the I.F. Module.