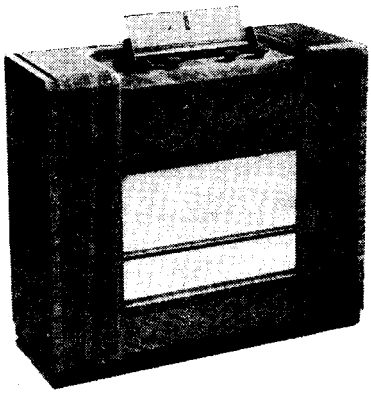
SERVICE DATA

MAS1108
MAS1108A



MULLARD MASTER RADIO

MODELS MAS1108 & MAS1108A

SPECIFICATIONS

Subject to alteration without notice.

Power Supply	220-260V 40-60c/s
Tuning Ranges	B/C Band 530-1620 Kc/s S/W Band 5.9-18.4 Mc/s
Intermediate Frequency	455 Kc/s
Cabinet	De-luxe Wooden Console

VALVE EQUIPMENT AND VOLTAGE ANALYSIS

Valve Function	Valve No.	Valve Type	Plate Volts	Screen Volts	Osc. P. Volts
Frequency Converter	V1	ECH35	238	67	100
I.F. Amplifier	V2	6SK7GT	246	88	—
Demodulator, A.V.C. and 1st Audio	V3	6SQ7GT	95	—	—
Power Amplifier	V4	EL33A	231	246	—
Rectifier	V5	6X5GT	V5 Cathode to L12 C.T.– 276 volts		
Dial Lamps	6.3V 0.32A tubular screw				
Voltage across R12 –1.8V; across R11 and 12 –9.4V.					

NOTE: These voltages are measured with an "1,000 ohms per volt" meter and may vary ± 10% from the quoted figures. They are measured from the socket points indicated or across the resistors listed. The receiver should be in a "no signal" condition.

REMOVAL OF CHASSIS FROM CABINET.

Remove the power plug from the mains outlet. Remove the four control knobs, the speaker and dial lamp plugs from their respective sockets, and release the dial cursor assembly from the dial cord. Lay the cabinet flat on some protective material and remove the four screws securing the chassis to its baseboard—do NOT remove the baseboard from the cabinet. The chassis may now be lifted from the cabinet.

The chassis may be replaced by a reversal of the above procedure.

DIAL GLASS REMOVAL.

Raise the dial glass to its maximum forward position. This allows access to the dial glass clamping screws in the dial assembly end housing. Loosen the clamping screws (it is not necessary that they be completely removed) and withdraw the dial glass from the assembly. When the dial glass is replaced make sure that it is securely clamped.

MAINS VOLTAGE ADJUSTMENT.

The power transformer is provided with two mains voltage tappings, 220/240 volts and 250/260 volts. This receiver is adjusted at the factory to the 220/240 volts tapping.

ALIGNMENT.

The calibrated scale on the top edge of the chassis in conjunction with an auxiliary pointer, which can be made up from workshop materials, facilitates alignment. With the gang fully closed, set the auxiliary pointer to the letter "S" mark.

On the short wave band the receiver oscillator operates at a frequency above that of the incoming signal.

DIAL LAMP REPLACEMENT.

This operation is carried out from outside the cabinet. The lamps are located one at each end of the dial glass in the end housing. The covers are a clip fit and are easily removed.

REMOVAL OF INCLINATOR DIAL ASSEMBLY.

After the chassis is removed from the cabinet—see "Removal of Chassis from Cabinet" — the inclinator dial assembly mounting brackets (one at each end of the assemblly) are easily accessible. Removal of the mounting brackets permits the dial assembly to be lifted clear of the cabinet.

In order to prevent possible damage to the dial glass, it is well to remove it before commencing the removal of the dial assembly—see "Dial Glass Removal."