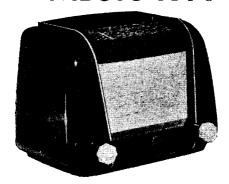
SERVICE DATA

MBS1049A

MULLARD MASTER RADIO

MODEL MBS1049A

SPECIFICATIONS



(Subject to alteration without notice)

Tuning Range	530-16 2 0kc/s.
Intermediate Frequency	455kc/s.
Cabinet	Moulded bakelite mantel.
Battery Equipment	$2 \times 45V$ heavy duty plug-in type and $1 \times 1.5V$ plug-in type, dry batteries.
Battery Consumption	"A", 0.25A. "B", 14mA.

VALVE EQUIPMENT AND VOLTAGE ANALYSIS

Valve Function	Valve No.	Valve Type	Plate Volts	Screen Volts	Bias Volts	Bias Resistor
Frequency Converter	V1	1R5	85	42	0	
I.F. Amplifier	V2	1T4	85	54	0	_
Demodulator, A.V.C. and 1st Audio	\ V 3	185	10	10	0	
Power Amplifier	V4	3V4	82	85	-5.4	RII

NOTE: These voltages are measured with an "1,000 ohms per volt" meter, and may vary $\frac{+}{-}$ 10% from the figures quoted. They are measured from the socket points indicated, or resistor quoted, to chassis. The receiver should be in a "no signal" condition.

TO REMOVE CHASSIS FROM CABINET.

Remove plugs from batteries. Remove the two control knobs—a firm pull is all that is required. Remove the combined back and bottom cover. The chassis is held to the cabinet by four screws, two at the top of the metal speaker plate and two at the bottom. After these screws have been removed, the chassis may be withdrawn from the cabinet.

The chassis may be refitted to the cabinet by a reversal of the above procedure.

DIAL CALIBRATION.

If station calibrations are incorrect by an equal amount over the dial scale, the condition can be corrected by moving the dial cursor assembly on the dial drive cord.

ALIGNMENT.

The iron cores for the secondaries of the I.F. transformers are in the top of the cans; those for the primaries are in the bottom.

Before commencing alignment, set the dial cursor with the tuning gang fully closed at the stop mark on the top edge of the dial back plate.

Broadcast band alignment frequencies are 1,420 kc/s. and 600 kc/s. Capacitive trimmer adjustments are used at 1,420 kc/s.; the iron core of the oscillator coil is used for padding at 600 kc/s. Do not attempt to adjust the aerial coil iron core.

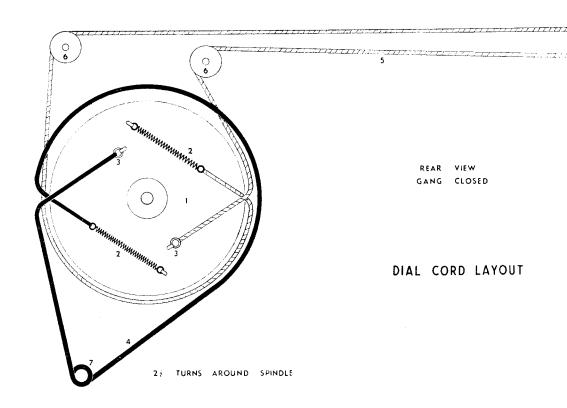
MBS1049A

SERVICE DATA

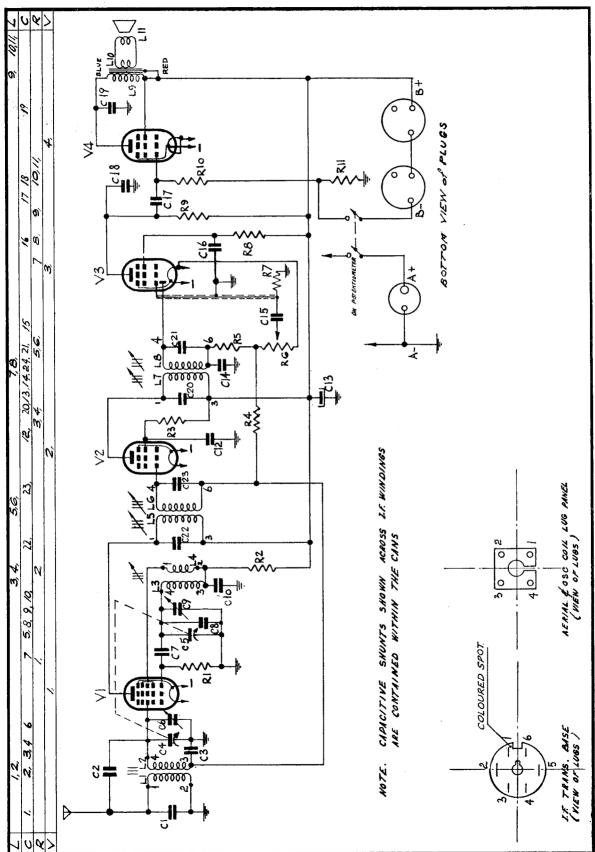


MISCELLANEOUS COMPONENTS

No. on Parts Dia		Code No.	No. on D Parts Diag		Code No.
1 0113 010				·	CS 260 00F
	Assembly, cursor and slider	CR.480.633	i	Drum, dial	CS.360.005
	Assembly, speaker plate	CR.005.006		Glass, dial	CS.412.324
7	Assembly, tuning spindle	CR.371.213	_	Knob, ivory	CS.432.623
	Back, cabinet	CS.462.056		Plate, dial back	CS.034.004
	Badge, Mullard	CS.436.409		Plug, 2 pin polarised	CR.102.200
	Bracket, cabinet back mounting	CS.244.603		Plug, 3 pin polarised	CZ.365.204
	Cabinet, walnut	CS.460.490	6	Pulley, wooden	CS.360,201
****	Clamp, dial	CS.228.561	3	Ring, dial cord	CS.281.807
-	Clip, coil can mounting	CS.235.833		Ring, rubber (dial glass mtg.)	CS.433.406
5	Cord, dial	CS.361.824	2	Spring, dial drum	CS.210.020
4	Cord, drum	CS.361.823		Washer, felt (knobs)	CS.424.049







DATE OF PURCHASE.



COILS

PARTS LISTS

CAPACITORS

RESISTORS