

E R T SERVICE CHART 1825 MARCONIPHONE 4031



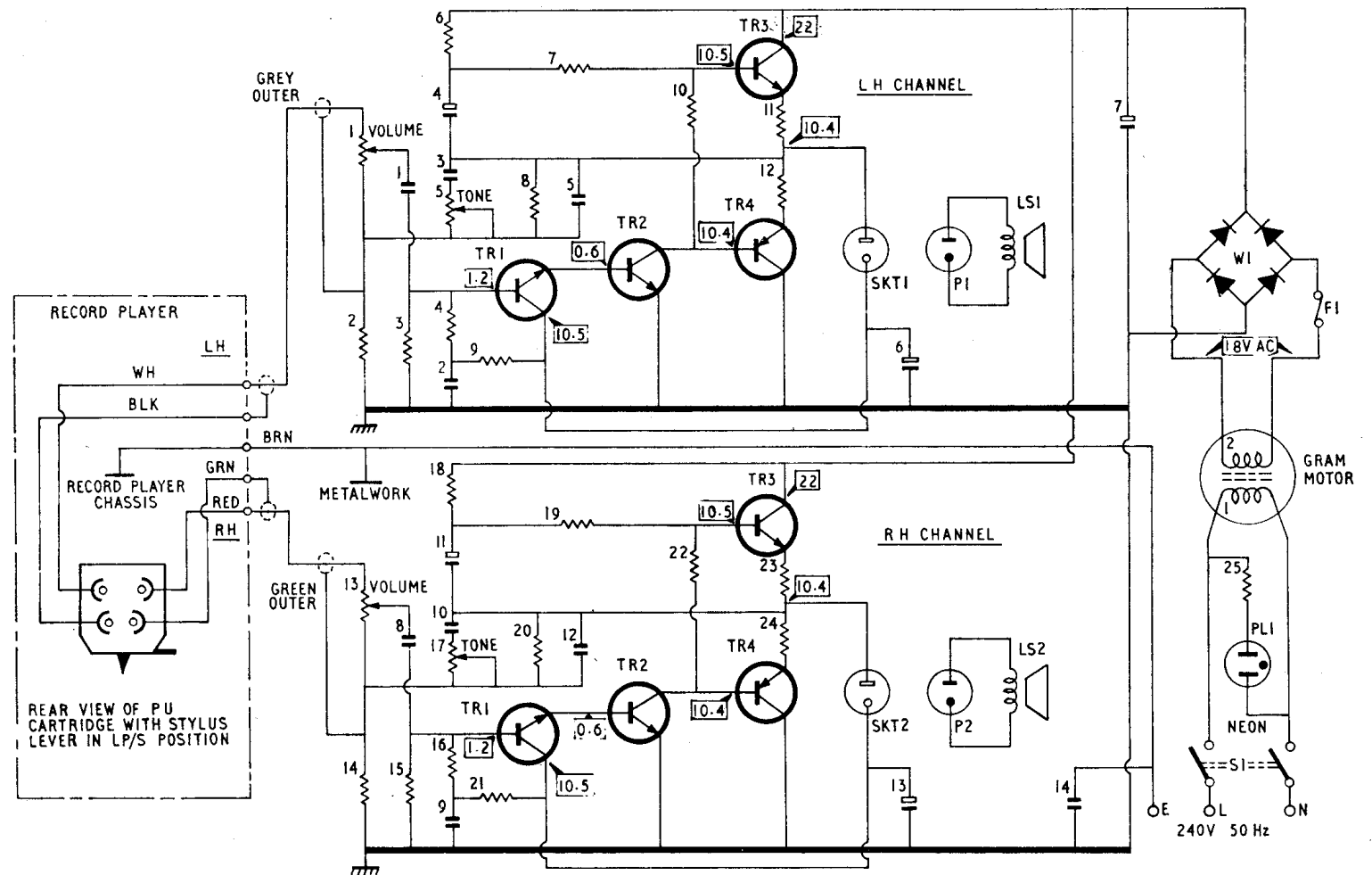
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RESISTORS				CAPACITORS										
R1	2M	A2	R8	15K	A2	R17	250K	A1	R25	220K	—	C6	250µF	A2
R2	1K5	A2	R9	330K	A2	R18	150	A1	C7	1500µF	A2	C8	100KpF	A1
R3	120K	A2	R10	15	A2	R19	470	A1	C9	100KpF	A1	C10	22KpF	A1
R4	470K	A2	R11	2.2	A2	R20	15K	A1	C11	40µF	A1	C12	680pF	A1
R5	250K	A2	R12	2.2	A2	R21	330K	A1	C13	250µF	A1	C14	1KpF	A1
R6	150K	A2	R13	2M	A1	R22	15	A1						
R7	470	A2	R14	1K5	A1	R23	2.2	A1						
			R15	120K	A1	R24	2.2	A1						
			R16	470K	A1									

R	1	2	3	4	5	6	9	8	7	10	11	12	25
	13	14	15	16	17	18	21	20	19	22	23	24	
C	1	2	3	4	5	6	7			13	14		
	8	9	10	11	12								

FEATURING detachable half-lid speaker enclosures, Marconiphone 4031 is a transistorised stereo record player designed for mains operation.

- Mains.** 240V 50Hz.
- Consumption.** Quiescent current 74mA. Current at maximum output 320mA.
- Fuse.** F1 500mA anti surge.
- Transistors.** Identical channels TR1 AF18, TR2 AF6, TR3 OP2B, TR4 OP2A.
- Rectifier.** W1 G1 B40 C1000.
- Pilot lamp.** PL1 neon.
- Output.** 2.5W speech and music per channel.
- Speakers.** 7 × 4in. elliptical 15ohm impedance. One each per enclosure.
- Record unit.** Four-speed, manually operated, BSR type M100.
- Dimensions.** 14 × 6 × 12¼in.
- Price.** £26.65.
- Manufacturer.** British Radio Corporation Ltd.



Service department. London: PO Box No. 121, Lea Valley Trading Estate, Angel Road, Edmonton, London N18 3BP. Tel: 01-807 3060. Spare parts Tel: 01-807 0791. Answering service: 01-807 6332. Manchester: Thorn House, Derby Street, Cheetham, Manchester 8. Tel: 061-832 2499. Glasgow: 155 Shieldhall Road, Glasgow, S.W.1. Tel: 041-882 4512.

DISMANTLING

In order to gain access for service unscrew and remove four screws securing motor board. Lift motor board at rear and move it rearwards so that front of board clears lip at front of case. Placing the motor board on edge across floor of case gives access to chassis and fuse.

Chassis removal. Pull off control knobs, then unscrew and remove two nuts and washers securing chassis to case. *Take care not to lose two spacing pillars.*

Release neon lamp from holder then remove complete chassis from case to extent of speaker leads which may, if necessary, be unsoldered from the tags on circuit panel.

Motor and turntable assembly. To remove the assembly first pull off pick-up leads from tag panel on motor board, note connections for correct reassembly.

Unsolder motor power supply leads from tag panels located on left and right hand channel circuit panels.

Release leads from cleat on motor board then unscrew and remove three nuts and washers to enable turntable and motor to be separated from case.

To remove turntable, lift 45rpm spindle adaptor and gently press the location lugs inward to free from turntable. Remove circlip securing turntable then lift turntable clear of motor unit.

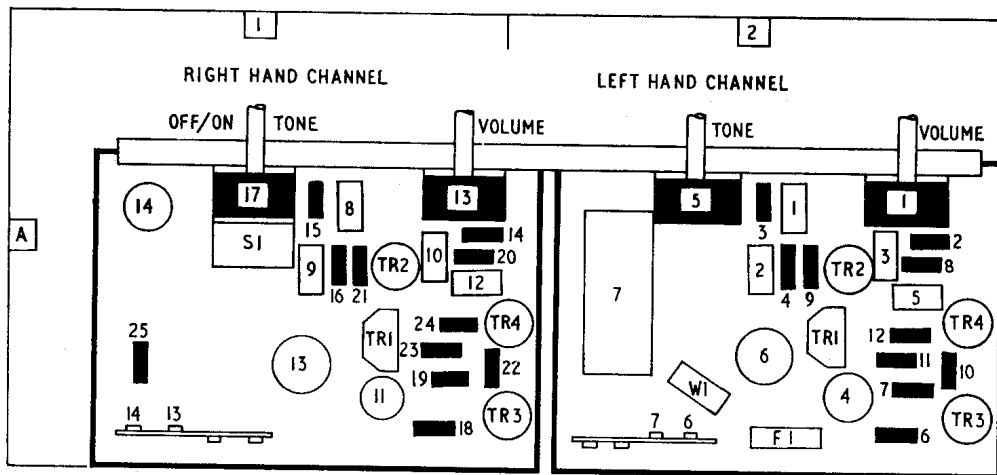
When replacing turntable ensure that the circlip engages into a slot on the motor spindle, then replace 45rpm adaptor.

SERVICE NOTES

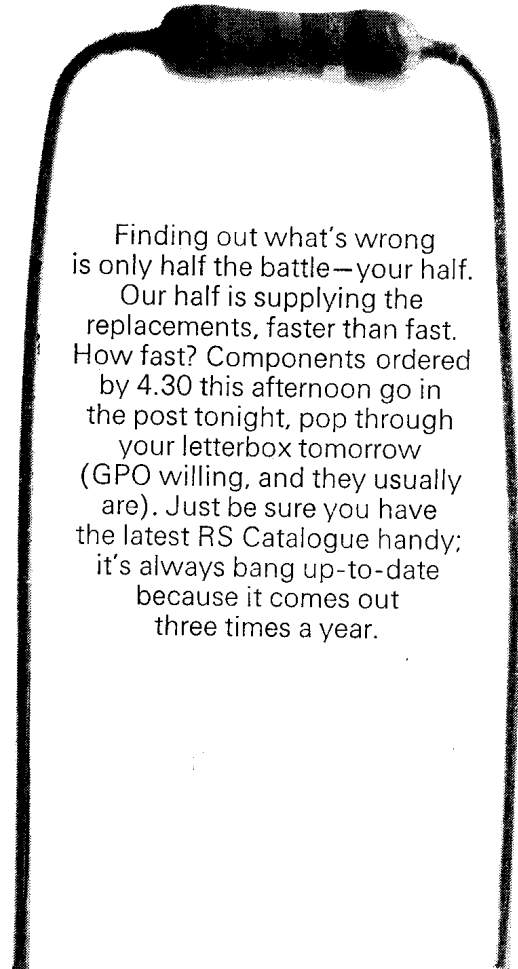
Transistor voltages given on the circuit diagram were obtained from data supplied by the manufacturers. They were measured under quiescent conditions with a 20,000ohm/V meter and are positive with respect to chassis.

Replacement transistors. Suitable Mullard types for replacement of BRC types used in this stereo player are as follows: TR1 BC148, TR2 BC107, TR3 AC176, TR4 AC128.

Component locations viewed from component side of circuit panels



Absence makes the part grow fonder



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