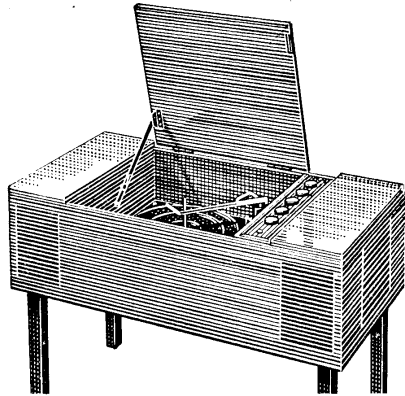


E R T SERVICE CHART 1724 HMV 2403, MARCONIPHONE 4403



The 2403 and 4403 stereo gramophones use the Garrard 2025TC record deck, have bass and treble tone controls and give 3W music power per channel through 8x5in. speakers housed behind grooved baffles at each end of cabinet

TEN-TRANSISTOR stereo gramophone incorporating Garrard 2025TC player unit with GKS25 cartridge and TD3 turnover stylus. Output per channel is 3W speech and music rating.

Mains. 200-250V 50c/s AC.

Output. 3W per channel speech and music rating, on 240V mains supply.

Speakers. Two 8x5in. PM impedance 15ohms, two 2½in. tweeters impedance 15ohms.

Sockets. 3.5mm radio input jack; 5-pin DIN tape socket.

Controls. On/off, volume, bass, treble, 4-way selector.

Record unit. Garrard 2025TC with GKS25 cartridge and TD3 diamond turnover stylus.

Dimensions. 29x20x15in. including legs.

Manufacturer. British Radio Corporation Ltd.

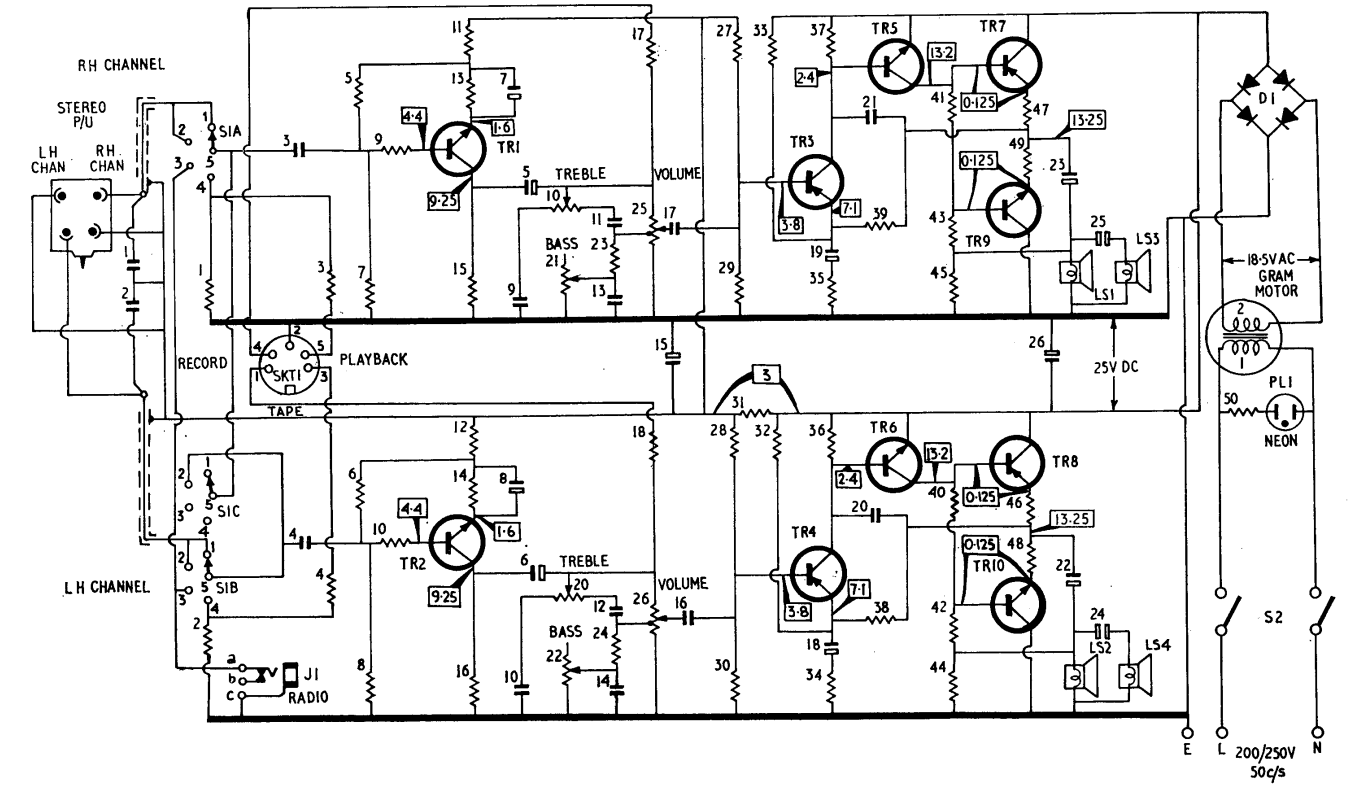
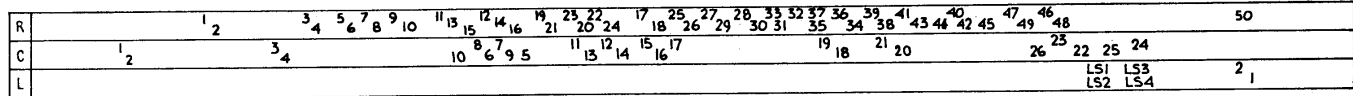
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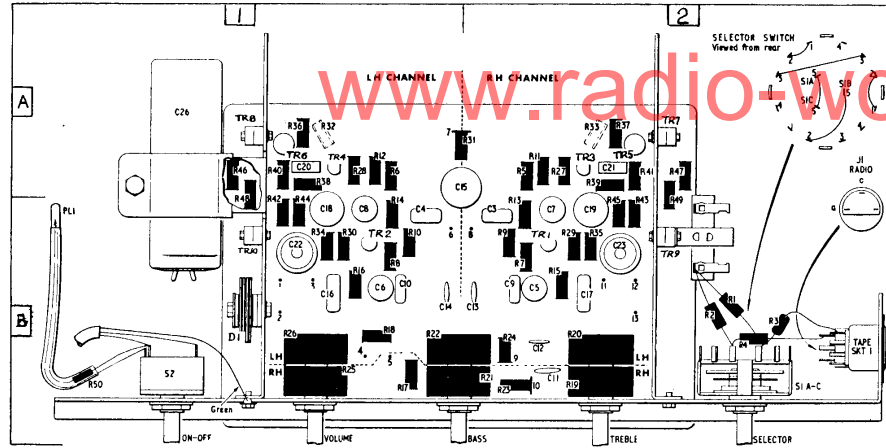
www.radio-workshop.co.uk

| RESISTORS | | CAPACITORS | | | | | |
|-----------|---------|------------|--------|------|-------|--------|--------|
| R1/2 | 3K9 | B2/B2 | R31 | 1K2 | A1/2 | C1/2 | 10KpF |
| R3/4 | 100K | B2/B2 | R32,33 | 12K | A1/A2 | C3/4 | 100KpF |
| R5/6 | 100K | A2/A1 | R34,35 | 10 | B1/B2 | C5/6 | 2mF |
| R7/8 | 470K | B2/B1 | R36/37 | 1K2 | A1/A2 | C7/8 | 25mF |
| R9/10 | 1K | B2/B1 | R38,39 | 2K2 | A1/A2 | C9/10 | 47KpF |
| R11/12 | 1K2 | A2/A1 | R40,41 | 15 | A1/A2 | C11/12 | 10KpF |
| R13/14 | 2K2 | B2/B1 | R42/43 | 680 | B1/B2 | C13/14 | 330KpF |
| R15/16 | 10K | B1/B1 | R44/45 | 220 | B1/B2 | C15 | 300mF |
| R17/18 | 680K | B2/B2 | R46/47 | 2.2 | A1/A2 | C16/17 | 220KpF |
| B19/20 | 20K Log | B1/B2 | R48/49 | 2.2 | A1/A2 | C18/19 | 250mF |
| R23/24 | 470 | B2/B2 | R50 | 220K | B1 | C20/21 | 1KpF |
| R25/26 | 20K Lin | B1/B2 | | | A1 | C22/23 | 400mF |
| R27/28 | 180K | A2/A1 | | | B1/B2 | C24/25 | 1mF |
| | | | | | A1 | C26 | 2000mF |

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Circuit diagram with rear view of cartridge showing plug pins with stylus in stereo position. Figures in rectangles are DC voltages measured with respect to negative rail, unless otherwise shown, taken with 20,000 ohm/volt meter with mains input of 245V





Layout of components in chassis showing resistors in solid black and capacitors in outline only. Some early models have parallel 120ohm resistors on the print side of R44 and R45. Later models have R44 and R45 of 150ohms

DISMANTLING

Chassis. Unscrew transit screws fully anticlockwise to lock record changer. Secure tone arm to rest pillar. Turn cabinet onto its front on soft, protective surface. Remove centre base cover, undoing 4 screws and 6 turn-clips.

Carefully noting colour codings, release four leads from terminal block, pickup leads from underside of record changer and mains lead from cabinet cleat.

Turn cabinet onto its feet and take out two

screws from control panel. Control panel and chassis can now be withdrawn from top of cabinet to limits of speaker leads. For complete removal note colour coding before disconnecting leads from tags.

Record changer. Take off centre base cover. Disconnect motor leads from terminal block and unsolder pickup leads from underside of record changer noting lead colours. With transit screws turned fully clockwise pivot clip on each screw to enable it to pass through motor board and lift changer out of cabinet.

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