

"His Master's Voice"

www.radio-workshop.co.uk

AUTOMATIC RECORD PLAYER MODEL 2008

"His Master's Voice" products are made to a standard of design and quality approved by The Gramophone Co. Ltd., registered proprietor of the trade mark.

Price: Ninepence

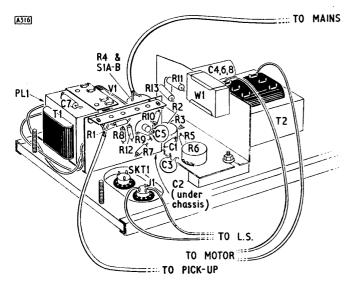
ACCESS FOR SERVICE

Remove ventilation panel from inside of cabinet (two screws). Take out five screws and cup washers along edges of motor board. Lift motor board assembly, tilting slightly to clear obstructions, and rest on its back edge diagonally across cabinet floor.

To remove amplifier, release mains lead clamp and six 4BA nuts and washers which secure the front panel and amplifier assembly to the cabinet.

Stylus Replacement

Use the correct replacement types TC8R(LP), coloured red and TC8G(78), coloured green. Slacken, but do not remove, the stylus fixing screw then withdraw the stylus with tweezers whilst lifting it clear of the operating block. Fit the replacement stylus by inserting the 'U' shaped end under the screw then tighten the screw after ensuring that the stylus shoulders are sitting correctly astride the operating block.



Component layout of amplifier chassis.

SPECIFICATION

Mains Supply: 230-250 volts 50 c/s AC mains (no mains adjustment necessary).

Power Consumption: Approximately 42 watts at 240V.

Valve: ECL86.



Output Power: Approximately 2.75 watts.

Record-changer: BSR Superslim UA15 four speed automatic record-changer with turnover pickup cartridge type TC8H and sapphire styli TC8R(LP) and TC8G(78).

Loudspeaker: 8 in. × 5 in. elliptical with 3 ohm speech coil.

Case dimensions (overall): $16\frac{1}{8}$ in. wide \times 17½ in. deep \times 7½ in. high.

The manufacturers reserve the right to vary specifications or use alternative materials as may be deemed necessary or desirable at any time

BRITISH RADIO CORPORATION LIMITED

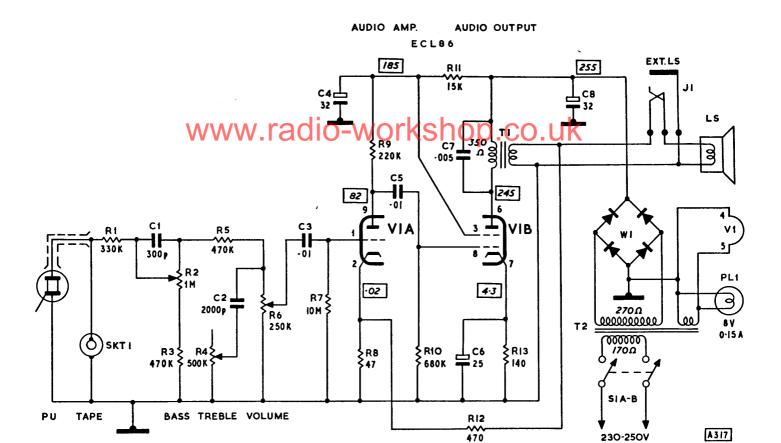
SERVICE DEPOTS:

LONDON: Eley's Estate, Angel Road, N.18 · EDMonton 3060

BIRMINGHAM: 24 Sheepcote Street, 15 · Midland 5291

GLASGOW: 160-162 Battlefield Rd., S.2 . Langside 9251/2/3/4

NOP1181



CIRCUIT DIAGRAM. DC voltages measured with a 20,000 ohm/volt meter with a mains input of 240 volts AC.

RESISTORS

All ‡ watt carbon 20% tolerance, unless otherwise stated.

| | Ť | | |
|------|------------------|-----------|---------------------------|
| Ref. | Value | Rating | Function and Part No. |
| R1 | 330 Κ Ω | | Part input attenuator |
| R2 | $1M\Omega$ | Lin. pot. | Bass control |
| R3 | 470 K Ω | | Part bass control circuit |
| R4 | 500 K Ω | Lin. pot. | Treble control |
| R5 | 470 K Ω | | Part input attenuator |
| R6 | 250K Ω | Log. pot. | Volume control |
| R7 | $10M\Omega$ | | V1A grid leak |
| R8 | 47Ω | | V1A cathode bias |
| R9 | 220K Ω | | V1A anode load |
| R10 | 680KΩ | | V1B grid leak |
| R11 | 15Κ Ω | ₹W 10% | HT smoothing |
| R12 | 470Ω | | Negative feedback |
| R13 | 140Ω | ₹W 10% | V1B cathode bias |

CAPACITORS

All 350V DC working 20% tolerance, unless otherwise stated.

| Ref. | Value | Rating | Function and Part No |
|------|--------|------------|-----------------------------|
| C1 | 300pF | 500V AC | Part bass control circuit |
| C2 | 2000pF | 500V AC | Part treble control circuit |
| C3 | ·01μF | 300V AC | V1A grid coupling |
| C4 | 32µF | ELEC. 300V | HT smoothing |
| C5 | ·01μF | 300V AC | V1B grid coupling |
| C6 | 25μF | ELEC. 25V | V1B cathode bypass |
| C7 | ·005μF | 400V AC | Tone correction |
| C8 | 32μF | ELEC. 300V | HT reservoir |

MISCELLANEOUS

| Ref. | Description | Part No. | |
|-------|--------------------------------------|----------|--|
| T1 | Audio output transformer | 8D3001 | |
| T2 | Mains transformer | 803002 | |
| SKTI | Tape socket | 8F6004 | |
| W1 | HT rectifier—FC142 | 8E9001 | |
| LS | Loudspeaker 8 in. × 5 in. elliptical | 16012/28 | |
| PL1 | Pilot lamp 8V 0-15A | 33762 | |
| S1a-b | On-Off switch | See R4 | |
| J1 | Ext. loudspeaker socket | 8F6004 | |

SPARE PARTS LIST

| Description | Part No. | |
|---------------------------------|-----------|--|
| Cabinet | 8A0002 | |
| Control knobs (3) | 57296/6 | |
| Clip | 47410 | |
| Lampholder | 23321 | |
| Record changer (UA15) | 808002 | |
| Screws-motor board fixing | SW6NP14/N | |
| Cup washers | WC6/N | |
| Ventilation panel | 8A1004 | |
| Ventilation panel fixing screws | SJ8N12/N | |