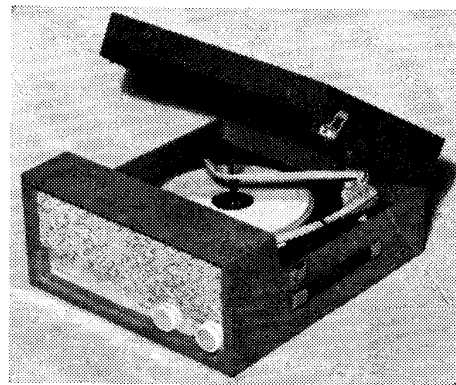


FIDELITY HF25, HF26, etc. portable record-players

These two models are 4-speed portable record-players, and can be loaded with up to ten records of various sizes. The HF25 has a UY85 h.t. rectifier and a UL84 audio amplifier. The output from the crystal pick-up is fed to VR1 and then to the control

grid of V1. The maximum audio output from the 3Ω loudspeaker is 3W.

The HF26 has an FC116 contact-cooled h.t. rectifier and a triode-pentode audio amplifier (ECL86). The output from the crystal pick-up is fed via VR1, the volume control, to the



Fidelity HF25

RELEASE DATES AND ORIGINAL PRICES

- HF16: September 1961; 18gn
- HF18: September 1961; 17½gn
- HF19: September 1961; 14gn
- HF21: September 1961
- HF22: September 1962; 9gn
- HF23: September 1962; 14gn
- HF25: September 1963; 14½gn
- HF26: September 1963; 19½gn
- HF27: September 1964; 15gn
- HF28: September 1964; 24½gn

Top of chassis laid flat to clarify wiring

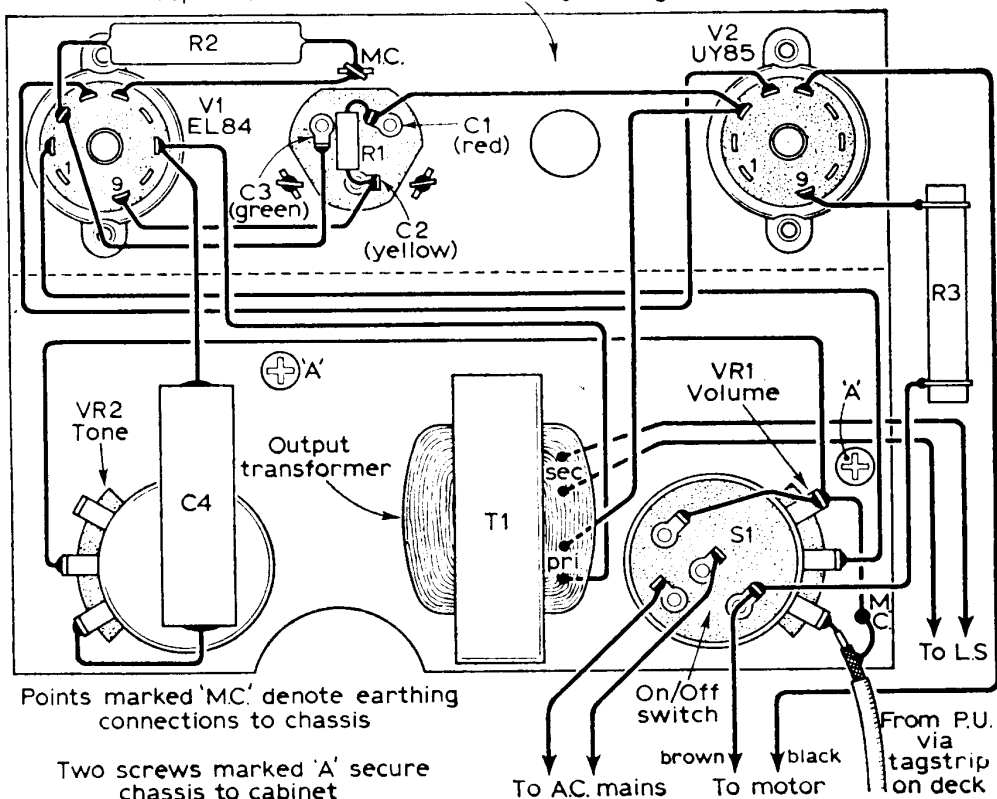


Fig. 1 (above)—The layout of the parts in the HF25.

grid of V1a. From the anode of V1a, the signal passes via a tone-control circuit which allows the treble response to be adjusted by VR2 and the bass response by VR3. The pentode section of V1 is the audio output stage and gives a maximum output of 4W to the loudspeaker.

Other Models

The HF27 has almost the same circuit as the HF25, and the HF28 has the same circuit as the HF26, but the unit is fitted with a 'tweeter'.

The HF22 uses the same circuit as the HF25, but C4 and VR2 are not fitted. Also, the heaters of the valves (wired in series) are fed from a tapping on the winding of the gram motor.

The HF16, HF18, HF19, HF21 and HF23 use the same circuit as the HF25, but the heaters (wired in series) are fed from a tapping on the winding of the gram motor.

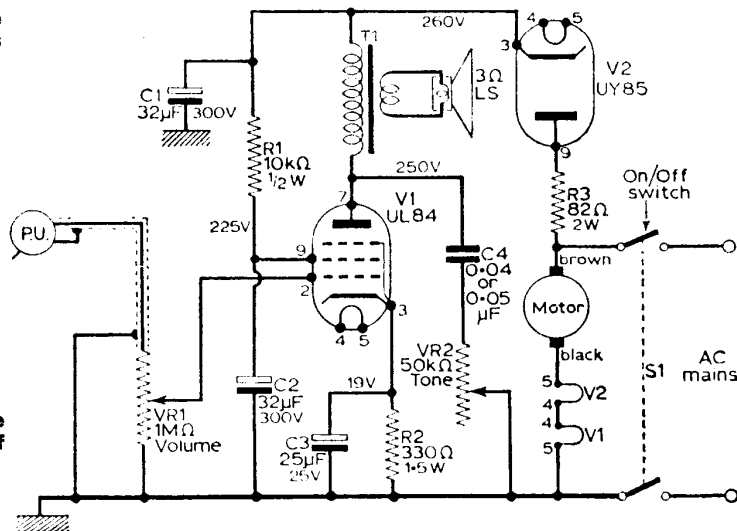
DISMANTLING

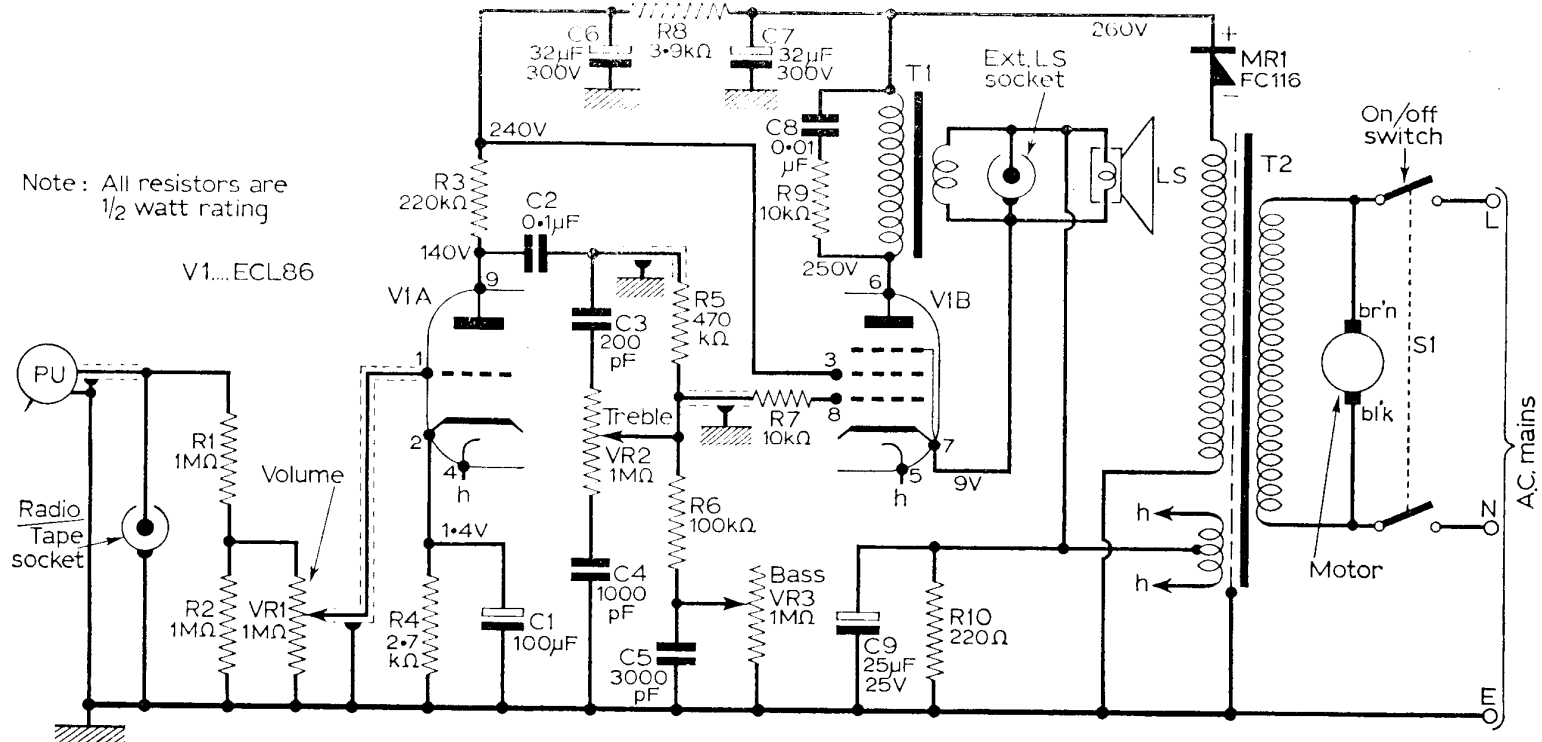
Model HF25

Remove the two Phillips screws which fasten the rear-panel of the loudspeaker baffle in position. Take out the seven Phillips screws which secure the motor board and then lift the motor-board assembly up from the front. Rest it on its rear edge diagonally across the well of the cabinet.

Take out the screw located on the inside of the baffle board (it is at

Fig. 2 (right)—The circuit diagram of the HF25.





Note: All resistors are 1/2 watt rating

Fig. 3 (above)—The circuit diagram of the HF26.

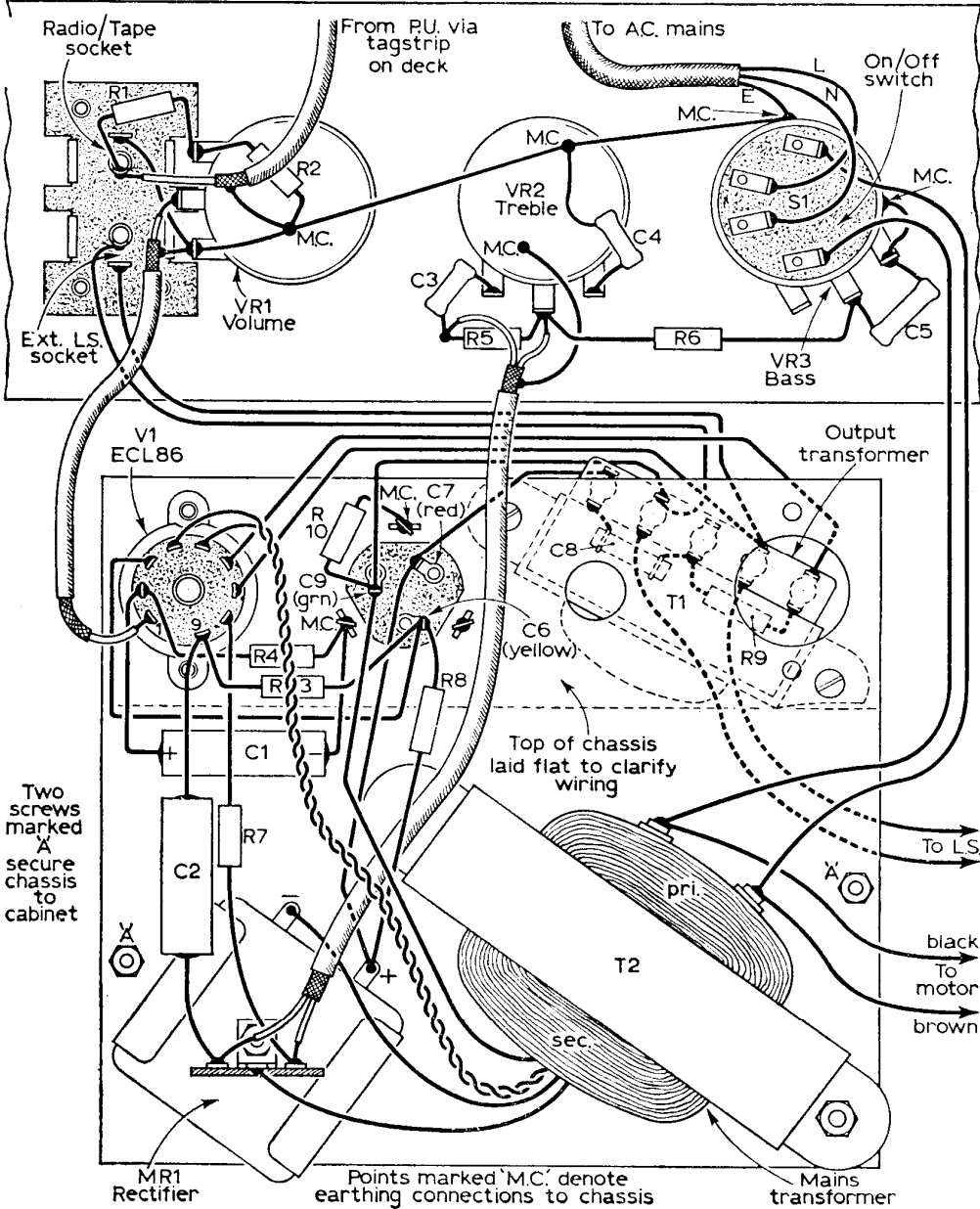


Fig. 4 (left)—The layout of the components in the HF26.

the bottom, in the centre), and lift out the baffle board over the blocks on the base of the cabinet. Withdraw the baffle from under the blocks on the top of the cabinet and access will be gained to the chassis and loudspeaker.

Model HF26

Remove the three Phillips screws which secure the rear panel of the loudspeaker baffle. Withdraw the five Phillips screws which fasten the motor board in position and lift the motor-board assembly up from the front and rest it on its rear edge diagonally across the well of the cabinet.

Release the two nuts marked 'A' in Fig. 4, pull off the control knobs and undo the two nuts which fasten the control panel. Both the chassis and the control panel may now be removed to the extent permitted by the pick-up and loudspeaker leads.

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