

General Description: Six-valve (plus metal rectifier), four-waveband, A.M./F.M. stereo radiogram with B.S.R. type UA15 record changer with Sonotone 9TAT cartridge. A.C. mains, 200–250 volts, 50 c/s. radio 75 watts, gram 84 watts.

Wavebands: L.W. 1200–1800 m.; M.W. 195–545 m.; S.W. 19–50 m.; V.H.F. 87–100 Mc/s.

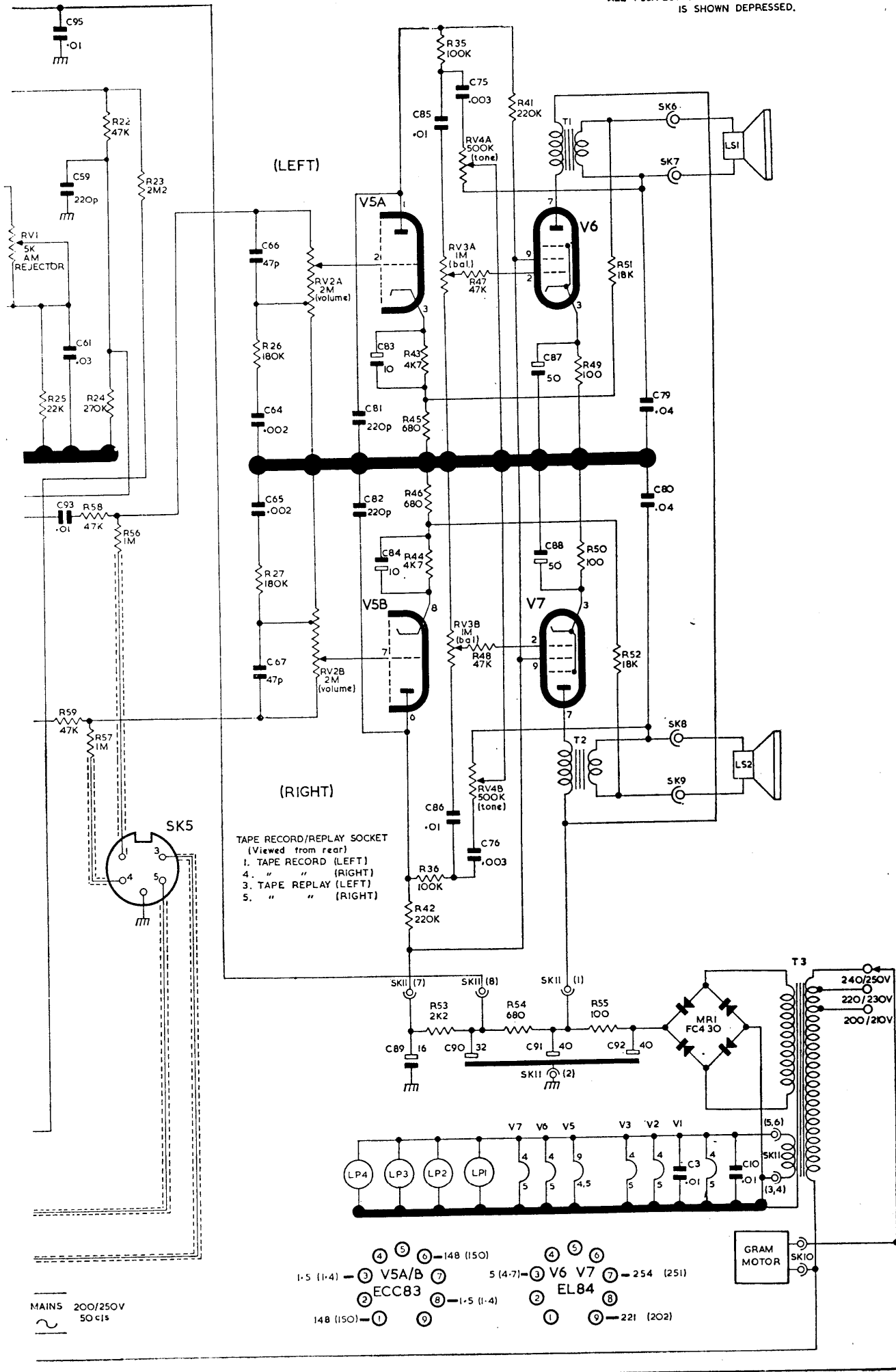
Valves: (V1) ECC85; (V2) ECH81; (V3) EF89; (V5) ECC83; (V6) EL84; (V7) EL84. **Diodes:** (D1) OA81; (D2) OA79; (D3) OA79; (MR1) FC430.

Dismantling: Switch off at mains. Remove receiver compartment back cover and all plugs from rear of chassis. Slacken grub screws and remove

EKCO MODEL SRG439

NOTES

ALL CAPACITORS μ F UNLESS OTHERWISE STATED.
 ALL RESISTORS Ω UNLESS OTHERWISE STATED.
 ALL VOLTAGES TAKEN USING AVO 8,20,000 Ω PER VOLT.
 ALL PUSH-BUTTON KEYS RELEASED EXCEPT 'OFF' KEY WHICH IS SHOWN DEPRESSED.



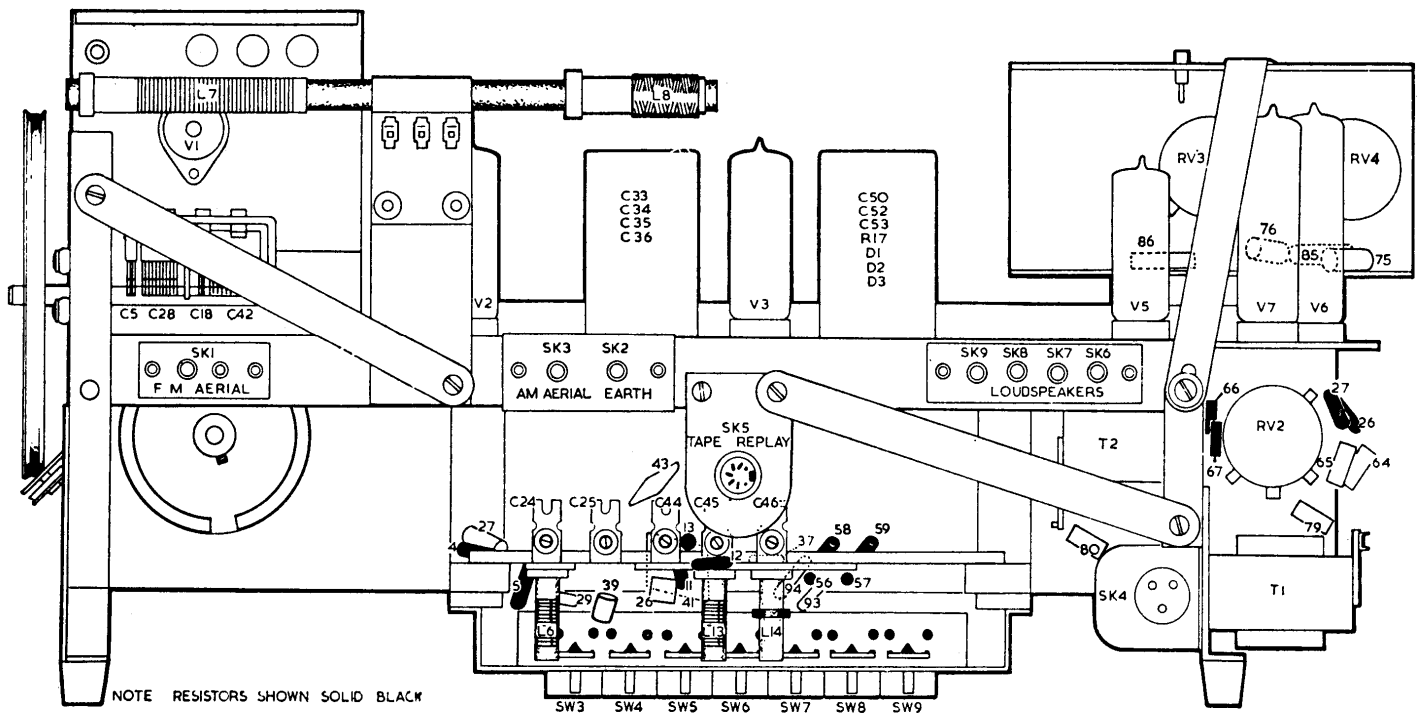
(LEFT)

(RIGHT)

TAPE RECORD/REPLAY SOCKET
 (Viewed from rear)
 1. TAPE RECORD (LEFT)
 4. " " (RIGHT)
 3. TAPE REPLAY (LEFT)
 5. " " (RIGHT)

- ④ ⑤ ⑥ -148 (150)
- ① ② ③ - V5A/B ⑦ ⑧ - V6 V7 -254 (251)
- ② - ECC83 ⑧ -1.5 (1.4)
- ① ② ③ - EL84 ⑧
- ① ② ③ -221 (202)

MAINS 200/250V
 50 c1s



COMPONENT LAY-OUT—EKCO MODEL SRG439

tone and balance control knobs. Remove two wooden transit blocks which are mounted either side of chassis. Unplug leads from power unit, mounted in base of cabinet. Remove four nuts and washers holding chassis support board; chassis complete with board may be withdrawn. To take out power unit, remove four 4BA nuts and washers. *Record Changer*: Switch off at mains. Remove screws and cup washers surrounding motor board. Remove gram and receiver compartment back covers: then unplug pick-up leads from rear of chassis, and supply leads from power unit. Carefully lift out record changer complete with motor board. *Cord drive*: As Model SRG431.

Alignment: F.M. I.F. 10.7 Mc/s. (L18, L17, L12, L11, L5, L4); 92 Mc/s. (L3, L2, C1); A.M. I.F. 470 kc/s. (L16, L15, L10, L9; L10 and L15 are upper cores); 600 kc/s. (L14, L7); 1400 kc/s. (C46, C25); L.W. 214 kc/s. (C44, L8); S.W. 6 Mc/s. (L13, L6); 15 Mc/s. (C45, C24).

EKCO

Model SRG431

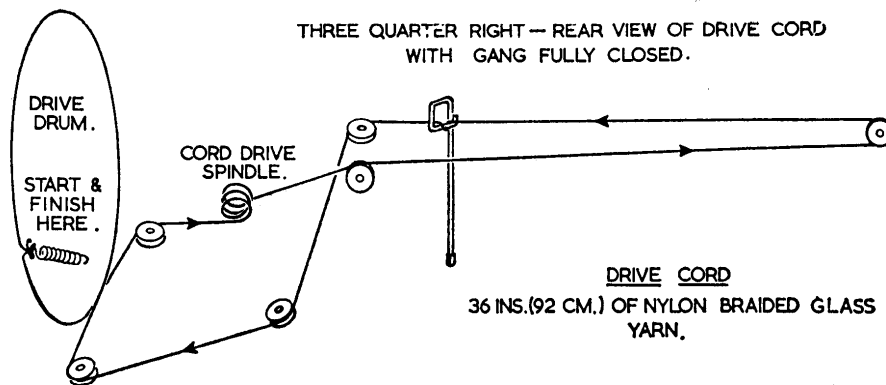
General Description: Seven-valve (plus H.T. bridge rectifier), four-waveband, A.M./F.M. stereo radiogram with pre-set push-button selection of V.H.F. stations. Record unit Garrard AT5 with Sonotone 9TA cartridge (some models fitted with Garrard 3000LM changer with Sonotone 9TAHC cartridge). A.C. mains, 200–250 volts, 50 c/s., radio 78 watts, gram 87 watts.

Wavebands: L.W. 1200–1800 m.; M.W. 195–545 m.; S.W. 19–50 m.; V.H.F. 87–100 Mc/s.

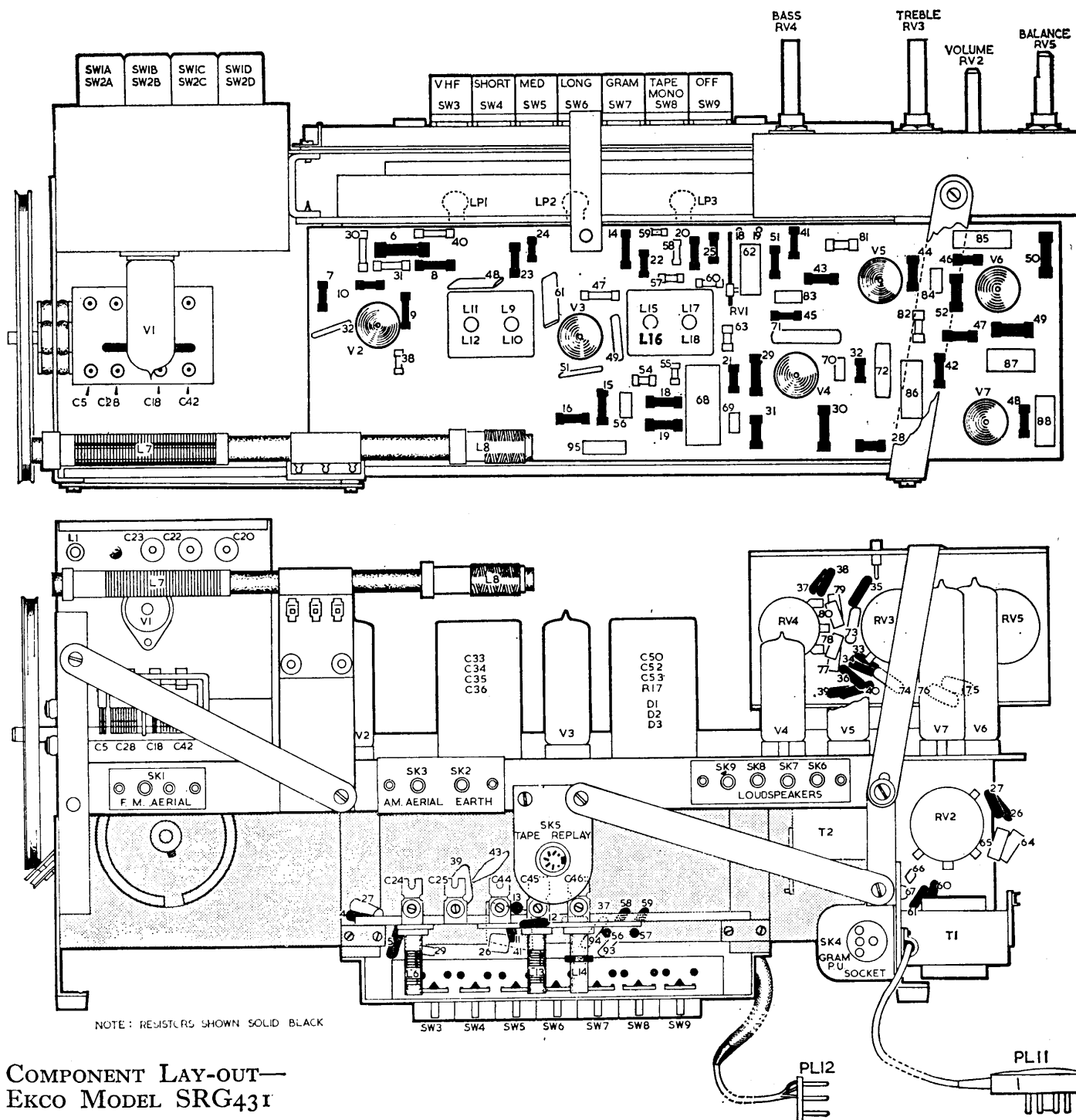
Valves: (V1) ECC85; (V2) ECH81; (V3) EF89; (V4, 5) ECC83; (V6, 7) EL84. Diodes and rectifiers: (D1) OA81; (D2, 3) OA79; (MR1) FC430. Dial lamps 6.8-volt, 0.3-amp.

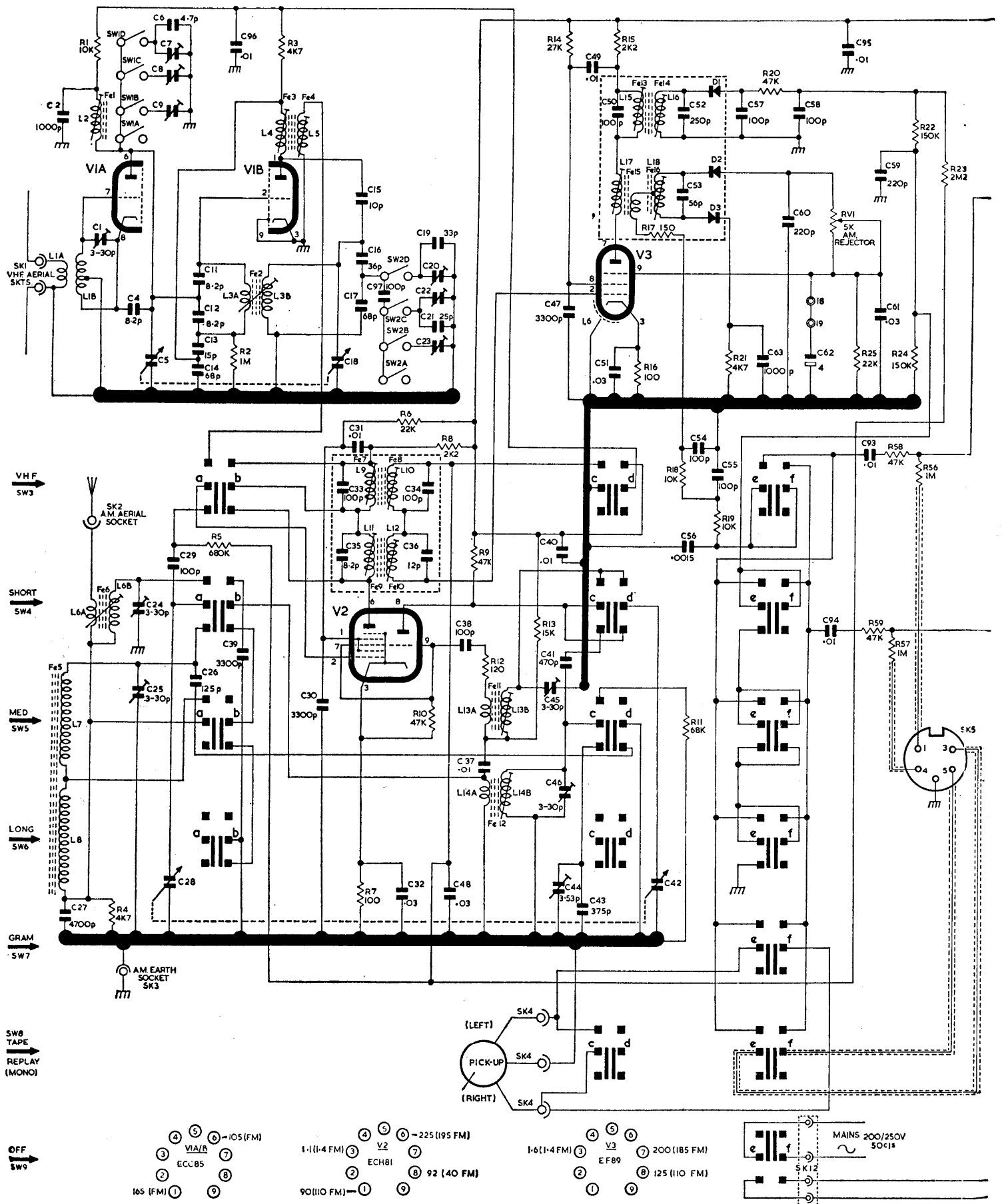
V.H.F. Push-buttons: The four push buttons are pre-tuned at intervals of 2.2 Mc/s. with station pointer tuned to red indicator and appropriate

CORD-DRIVE DIAGRAM—
EKCO MODEL SRG43I



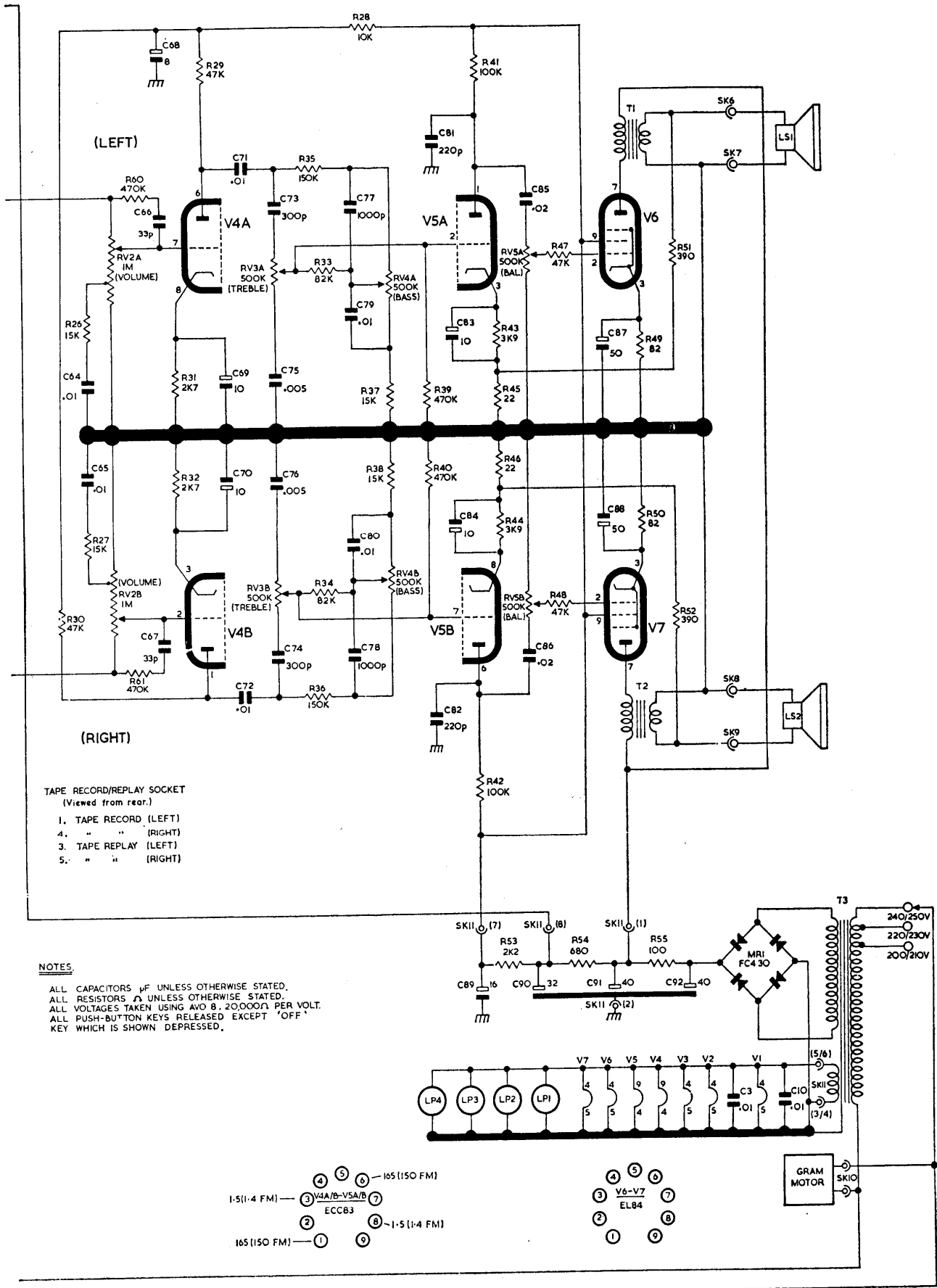
button pressed. Sets leave factory tuned to Wrotham frequencies. For other transmitters (except Swingate, Sandale, Beckley, Wenvoe and Les Platons which require special consideration) switch to V.H.F. and allow set few minutes to warm up. Then bring pointer into line with indicator and press "Light" button. Tune to local Light programme by moving pointer





CIRCUIT DIAGRAM—

to left if frequency of station is higher than 89.1 Mc/s. or right if lower. Carefully adjust for optimum reception; then with aid of screwdriver, slide indicator along scale until its position coincides with that of pointer. Press "Third" button and trim C22. Press "Home 1" button and trim C23.



EKCO MODEL SRG431. V6/V7 voltages as Model SRG439

Notes: I.F. 10.7 Mc/s.; A.M. 470 kc/s. RV₁ is factory set, but if necessary can be adjusted by applying weak F.M. signal, tuning carefully and then with modulation switched off adjusting RV₁ for minimum noise level. RV₃, RV₄ log. type. RV₅ anti-log. balance control.