

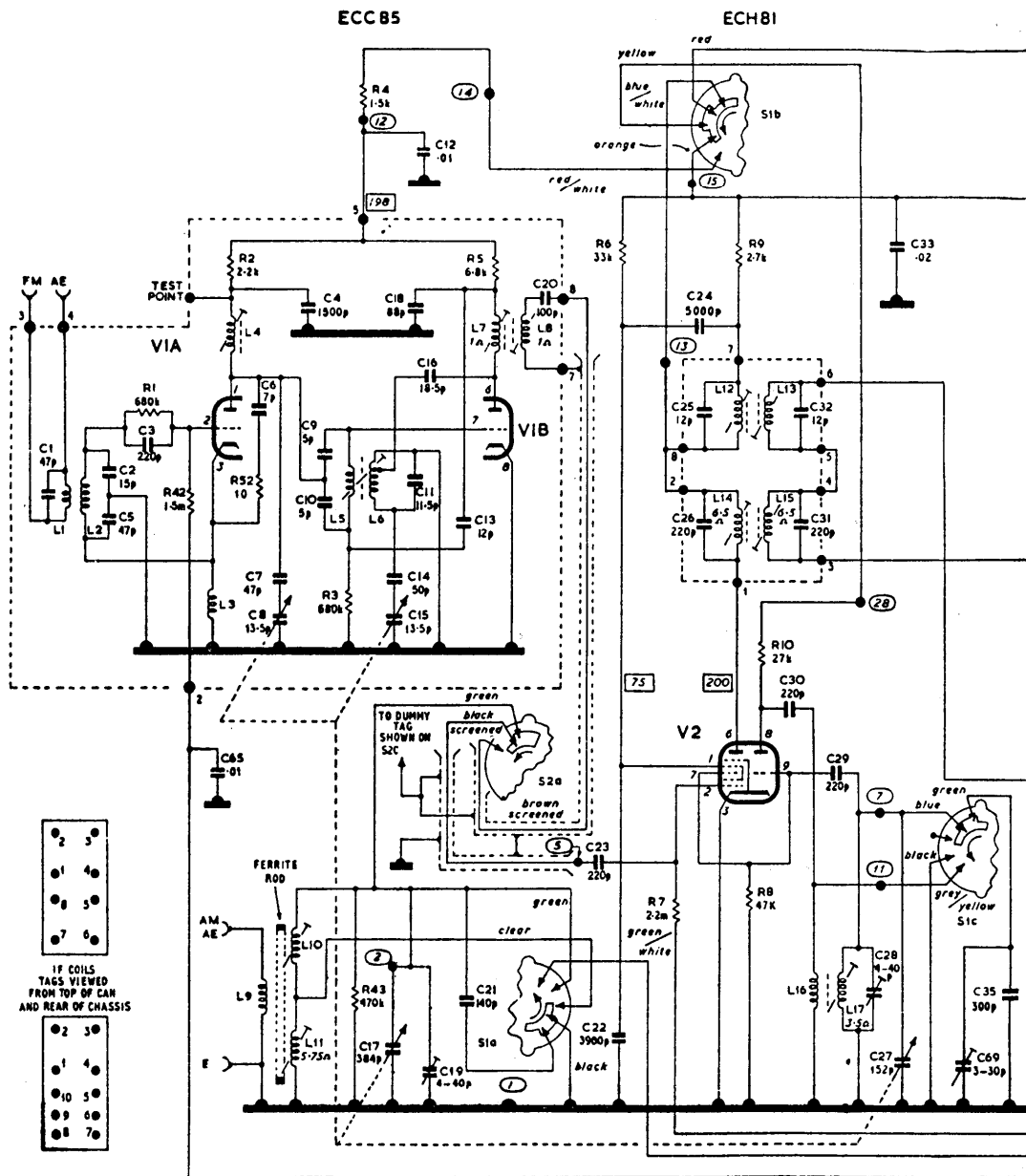
MARCONIPHONE

Model 4314

General Description: Seven-valve (plus full-wave bridge rectifier) A.M./F.M. stereo radiogram with B.S.R. Superslim (type UA15) record changer using Sonotone Stereo 20T-1 cartridge. Speakers, two elliptical 3 ohms. Sockets for A.M. and F.M. aerials, tape recorder, earphones and external speakers.

Wavebands: L.W. 1135-1970 m.; M.W. 187-556 m.; V.H.F. 87-101 Mc/s.

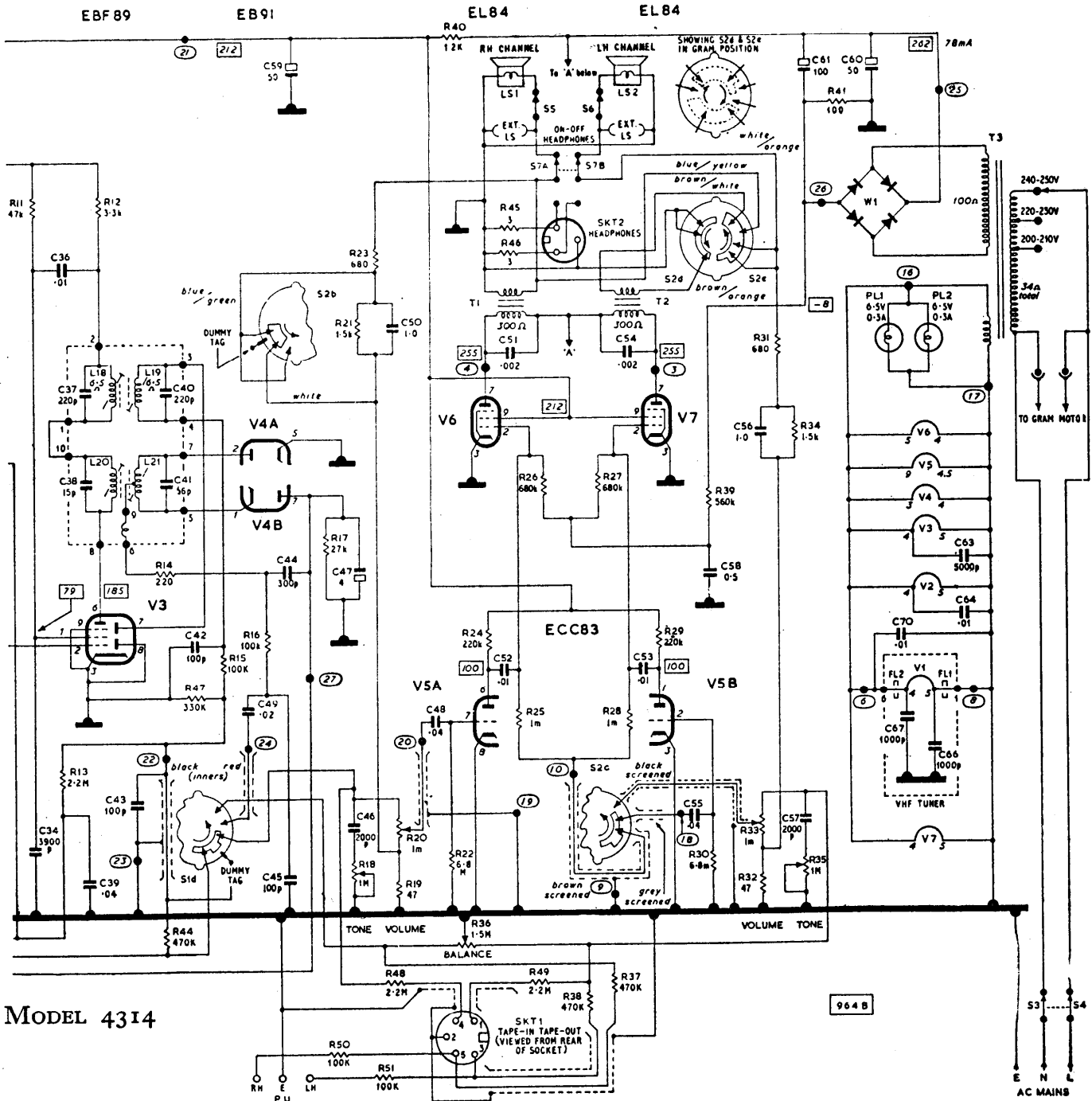
Alignment: A.M.I.F. 470 kc/s. (L19, L18, L15, L14). M.W. 600 kc/s. (L17, L10); 1500 kc/s. (C28, C19). L.W. 220 kc/s. (C69, L11). F.M.I.F. 10.7 Mc/s. (L21, L20, L13, L12, L7, L8). R.F. 92 Mc/s. (L6 tune with core towards top of former, L4 tune with core towards bottom of former.)



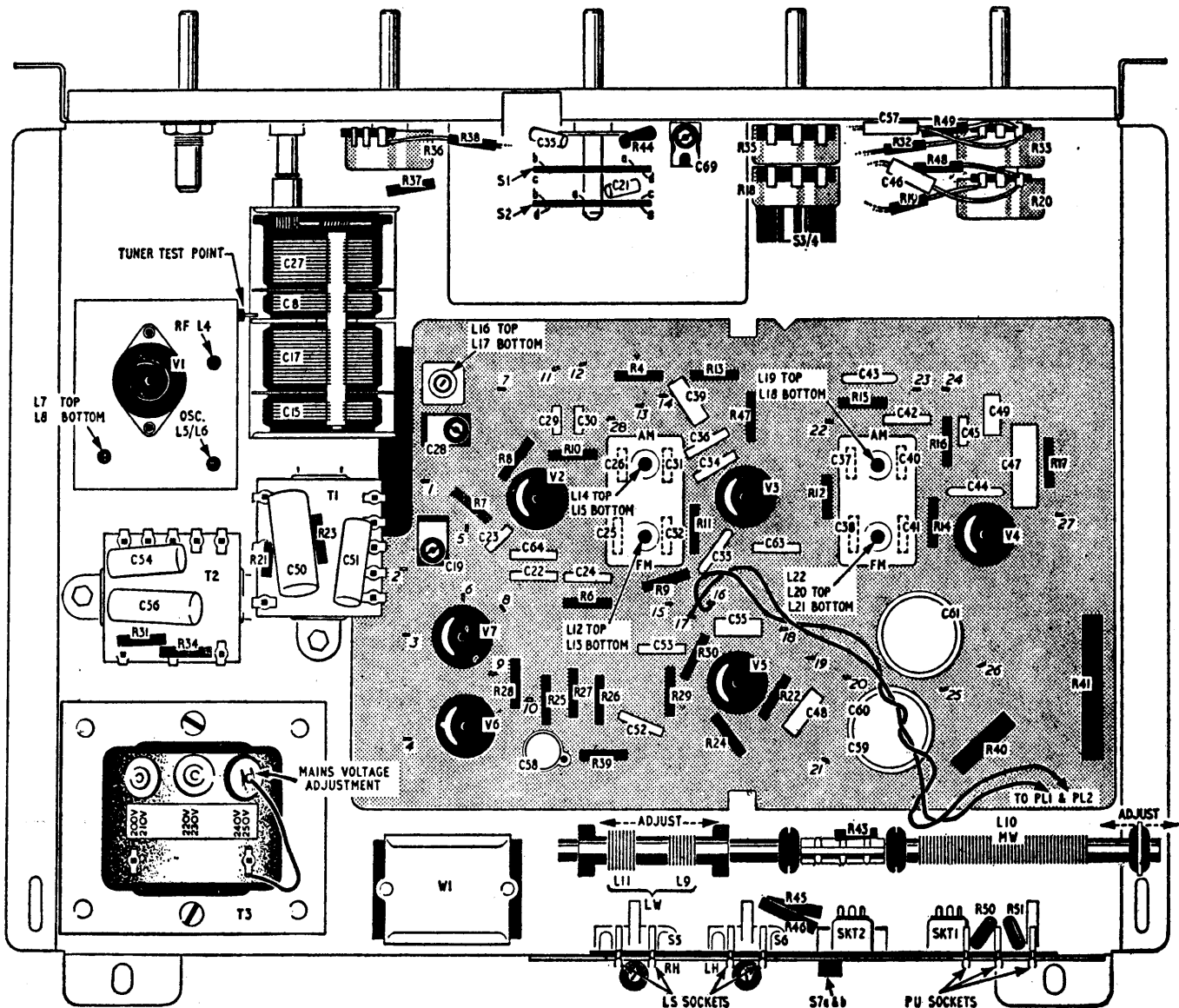
CIRCUIT DIAGRAM—MARCONIPHONE

Audio Amplifier: Radio Operation: V5A and V5B form a self-balancing paraphase amplifier providing two antiphase outputs to drive V6 and V7. **Gramophone operation:** The audio stages form two separate and identical amplifiers. The separate signals from the PU are balanced by R36.

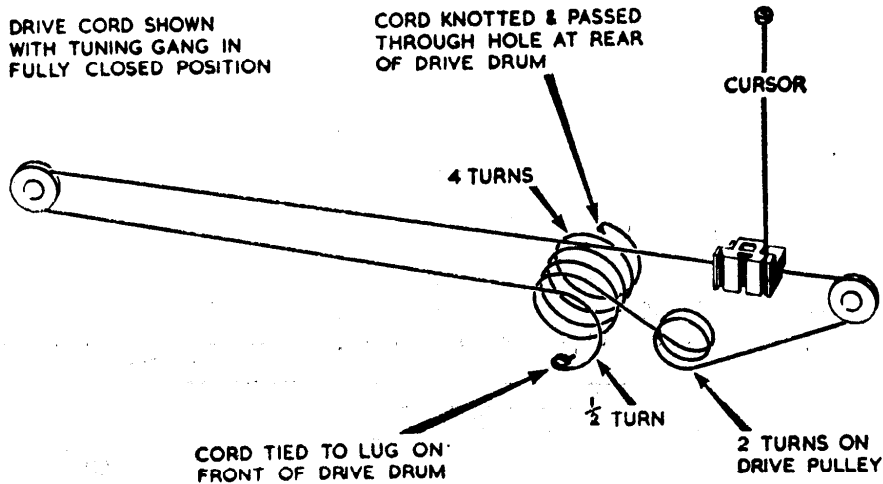
Dismantling: Record Changer: Unscrew transit screws to lock record changer, turn cabinet on to right-hand side and remove bottom cover. Detach motor mains lead from terminal block. Pull out pickup plug from main chassis, unsolder leads from plug and pull lead through hole in cabinet. Screw down transit screws, pivot clips on transit screws to enable them to pass through motor board, then lift changer clear. **Chassis:** Pull off control knobs. Lock record changer. Remove cabinet back, detach A.M. and F.M. aerial plugs, also the 3-pin and 4-pin plugs from socket panel on chassis. Uncouple motor mains leads, take out two chassis fixing screws and lift chassis



out of cabinet. When replacing chassis, ensure that the studs, affixed to cabinet, engage in the grommets mounted in the front of the chassis.



MAIN CHASSIS—MARCONIPHONE MODEL 4314



DRIVE CORD—MARCONIPHONE MODEL 4314

Drive Cord—use approximately 4½ ft. of nylon-braided cord.