

PHILIPS

Model LOG90T

General Description: Seven-transistor (plus crystal diode), two-wave-band, pocket portable receiver with socket for high impedance (1000 ohm) headphone.

Power Supply: 4.5-volt battery (three 1.5-volt cells Type D14, U12, V0030 or V0028). No-signal consumption about 7–10 mA.

Wavebands: M.W. 185–570 m.; L.W. 1150–2000 m.

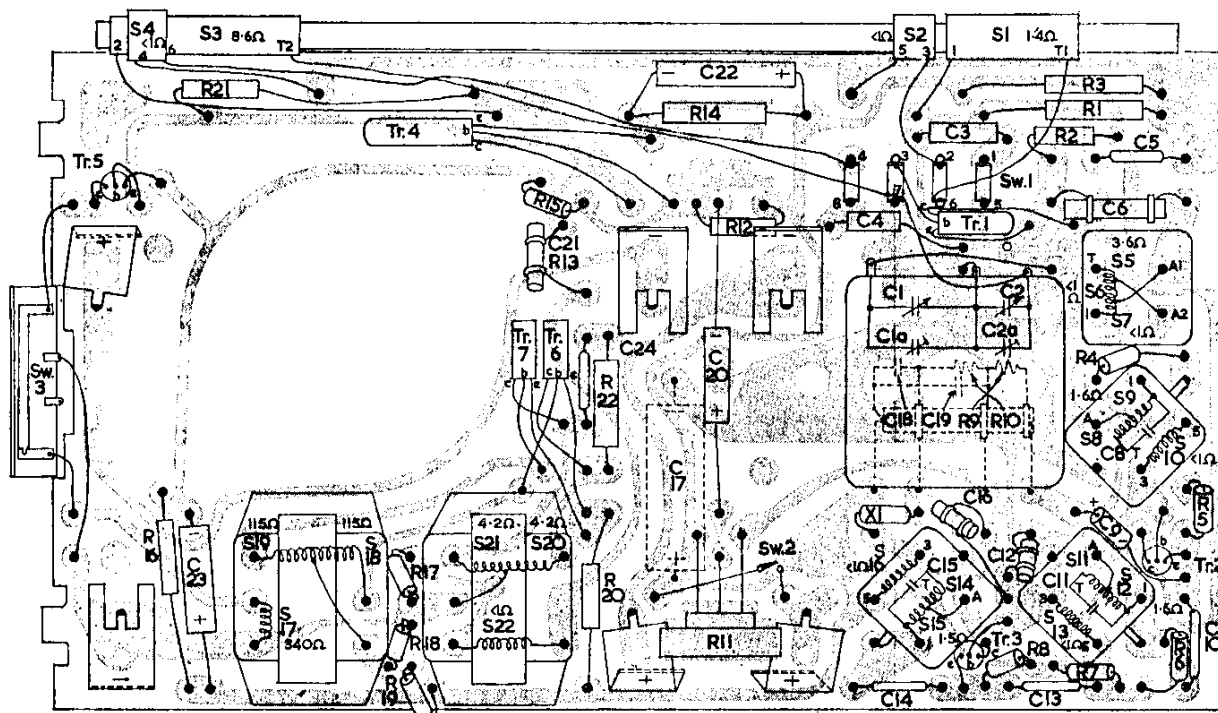
Transistors: (Tr1) OC44; (Tr2) OC45; (Tr3) OC45; (Tr) OC71; (Tr5) OC71; (Tr6, 7) OC72. Crystal diode: (X1) OA70 or OA85.

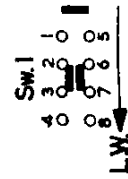
Alignment Frequencies: I.F. 470 kc/s. (S14), 468 kc/s. (S11), 472 kc/s. (S8). M.W. 1635 kc/s. (C1A), 1500 kc/s. (C2A), 600 kc/s. (S1). L.W. 170 kc/s. (S3), 148 kc/s. (S5).

Dismantling: Four small lips on rear panel engage with grooves in front section of case. Slight pressure on top or bottom of front section of case will allow the two sections to be separated. Remove knurled screw in centre of scale, tuning knob, washers, and scale. Remove fixing screw under scale and slide receiver out of case.

Associated Models: Models LoG90T/01R and LoG90T/01L are similar to Model LoG90T except that a different tuning gang is fitted. C4 becomes 61 pF. and additional C25 4.7 pF. is connected in parallel with C1/C1A.

Models LoG91T/00F and LoG91T/00W are electrically similar to Model LoG90T/01R as above. **Dismantling:** Prise off station scale plate by inserting thumb nail in tuning control slot. Remove indicator disc, large toothed wheel, spacing washers and tuning knob bracket complete with tuning knob. Detach cabinet back, chassis mounting bolt, and by pushing chassis towards earphone socket, chassis may be eased out of cabinet. When assembling, ensure that chassis mounting bolt is properly seated and locked prior to attaching cabinet back.





Voltages taken with respect to battery positive using a 20,000 Ω voltmeter.

CIRCUIT DIAGRAM—PHILIPS MODEL LoG90T

«Circuit drawn in the M.W. position.

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