

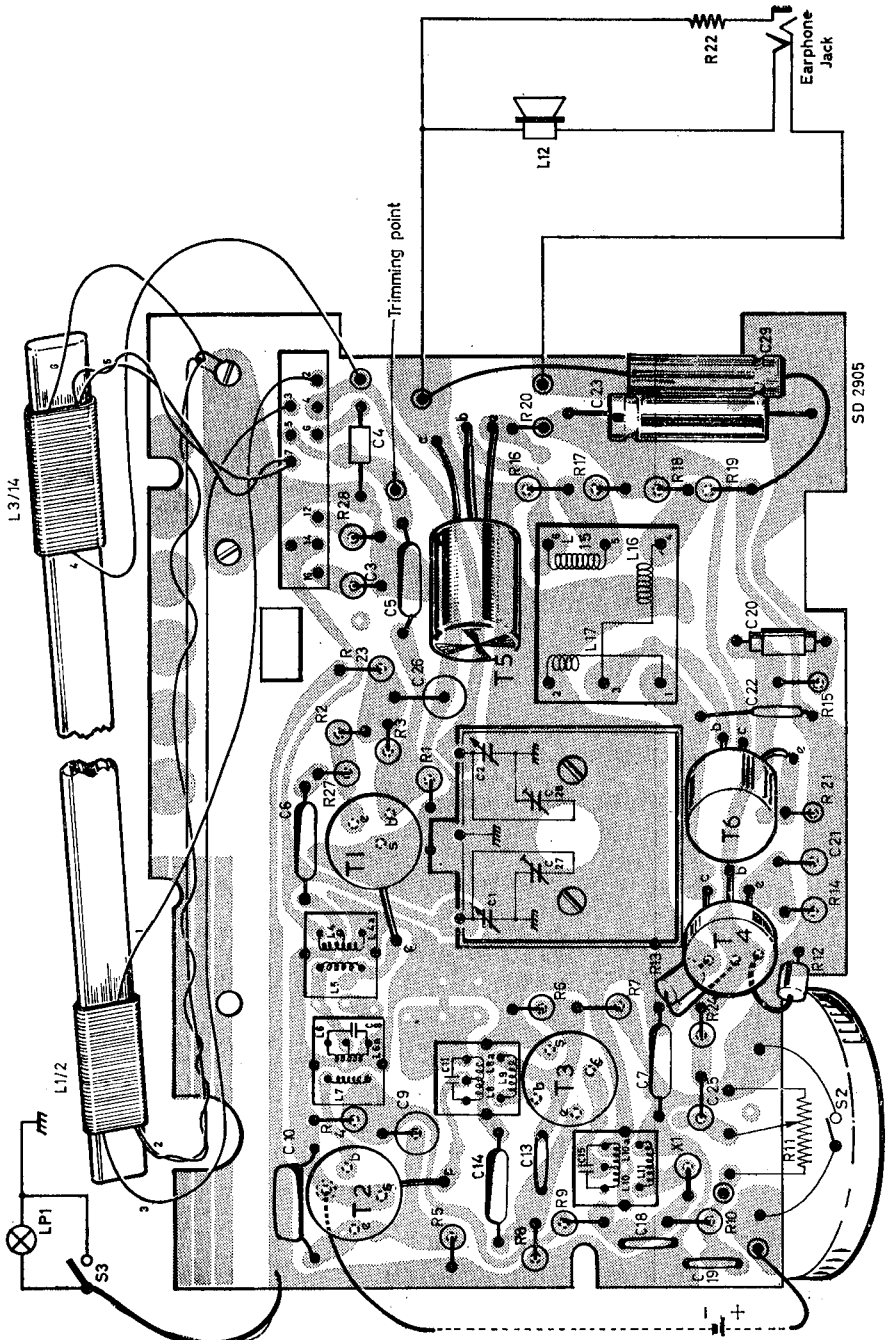
General Description: Six-transistor, M.W./L.W. portable receiver. 6-volt battery (4×1.5 -volt cells. LPU11 or equivalent). Consumption 9-15 mA.

Semi-conductors: (T₁, T₂, T₃) AF117; (T₄) OC81D; (T₅, T₆) OC81; (X₁) OA70.

Alignment: I.F. 470 kc/s. (L₁₀, L₈, L₆); L.W. 148 kc/s. (L₄); 190 kc/s. (L₃/L₁₄); M.W. 1630 kc/s. (C₂₇); 525 kc/s. (L₁/L₂); 1300 kc/s. (28).

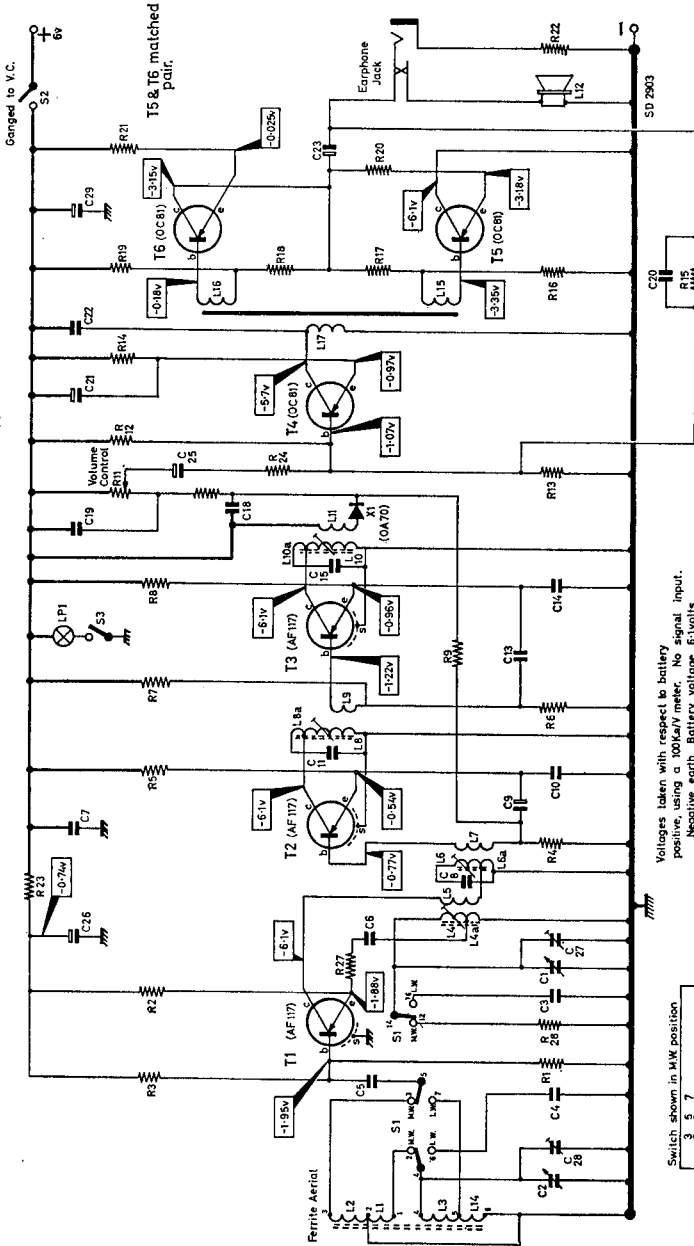
Dismantling: To uncase, remove battery cover. Then take out batteries. Slacken off the two screws one either side of battery compartment and press down screw heads to release brackets clamping the case together. Lay receiver, loudspeaker grille down, then ease and raise back half of case to a vertical position hinging on the station scale. The component side of the printed panel is now accessible. For access to underside of printed panel and to tuning drive, unscrew fixing nut of earphone plug socket, then ease station scale hinge-wise to free retaining lugs from front half of case. Remove the four screws securing tuning drive bracket and printed panel to front half of case and lift assembly from casing, captive only by the battery and loudspeaker connecting leads which may now be unsoldered.

RADIO SERVICING

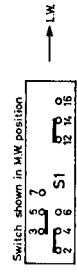


COMPONENT LAY-OUT

CIRCUIT DIAGRAM OF PHILIPS MODEL L2G47T



Voltages taken with respect to battery positive, using a 100k Ω /V meter. No signal input. Negative earth. Battery voltage 6 volts.



- Capacitors.**
- C3 154 pF.
 - C4 56 pF.
 - C5 10,000 pF.
 - C6 22,000 pF.
 - C7 47,000 pF.
 - C8 150 pF.
 - C9 40 μ F.
 - C10 47,000 pF.
 - C11 150 pF.
 - C13 10,000 pF.
 - C14 47,000 pF.
 - C15 150 pF.
 - C18 10,000 pF.
 - C19 10,000 pF.
 - C20 82 pF.
 - C21 80 μ F.
 - C22 10,000 pF.
 - C23 200 μ F.
 - C25 6.4 μ F.
 - C26 25 μ F.
 - C29 200 μ F.
 - R1 22,000
 - R2 1,000

- Resistors.**
- R1 22,000
 - R2 1,000
 - R3 6,800
 - R4 82,000
 - R5 470
 - R7 15,000
 - R7 3,900
 - R8 1,000
 - R9 12,000
 - R10 470
 - R11 5,000
 - R12 10,000
 - R13 47,000
 - R14 470
 - R15 0.39M
 - R16 1,500
 - R17 100
 - R18 1,500
 - R19 100
 - R20 4.7

- R21* 4.7
- R22 3,300
- R23 560
- R24 820
- R27 56
- R28 0.18M

* Some sets 3.3.