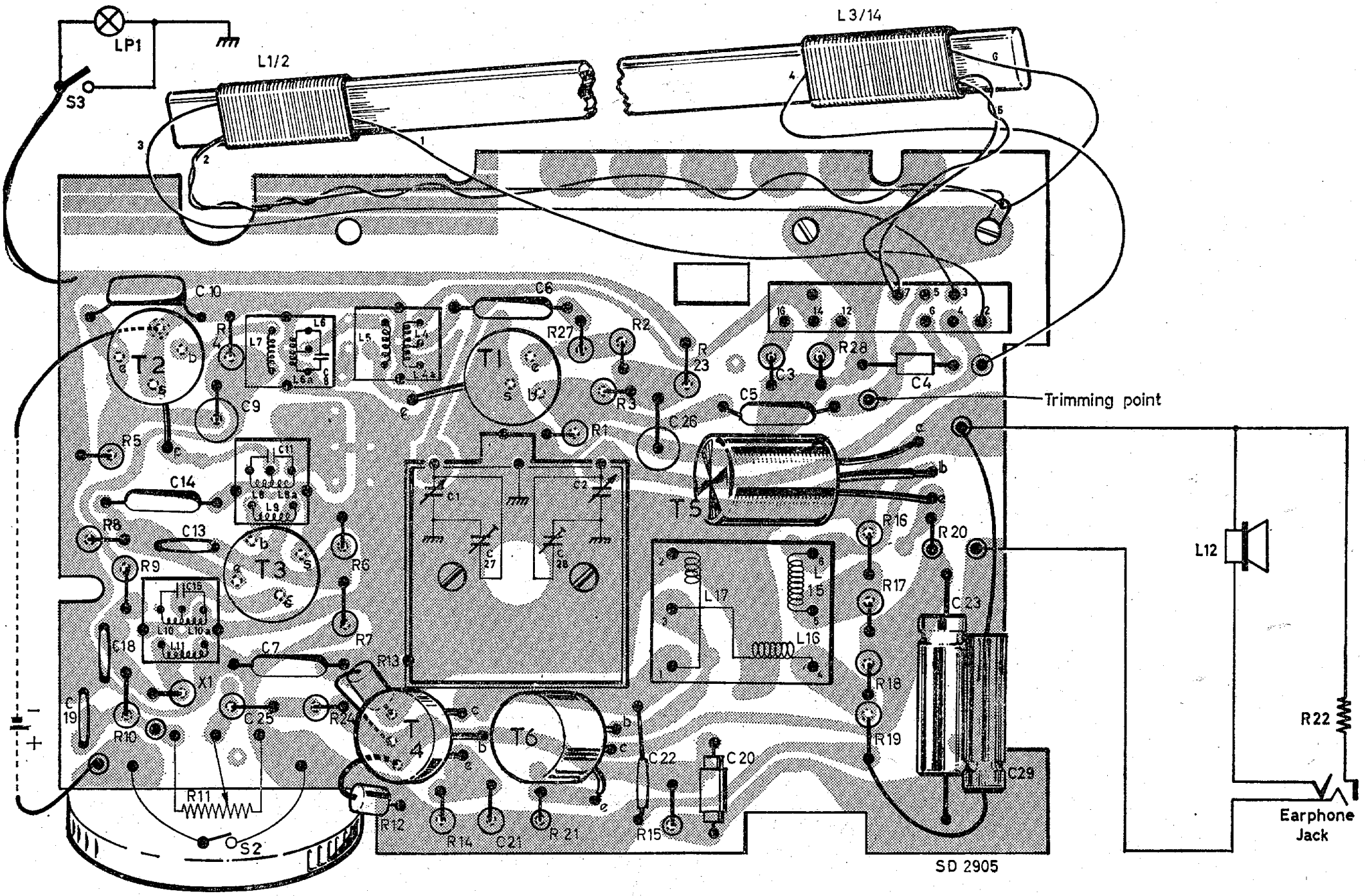
PHILIPS Model L2G47T

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.

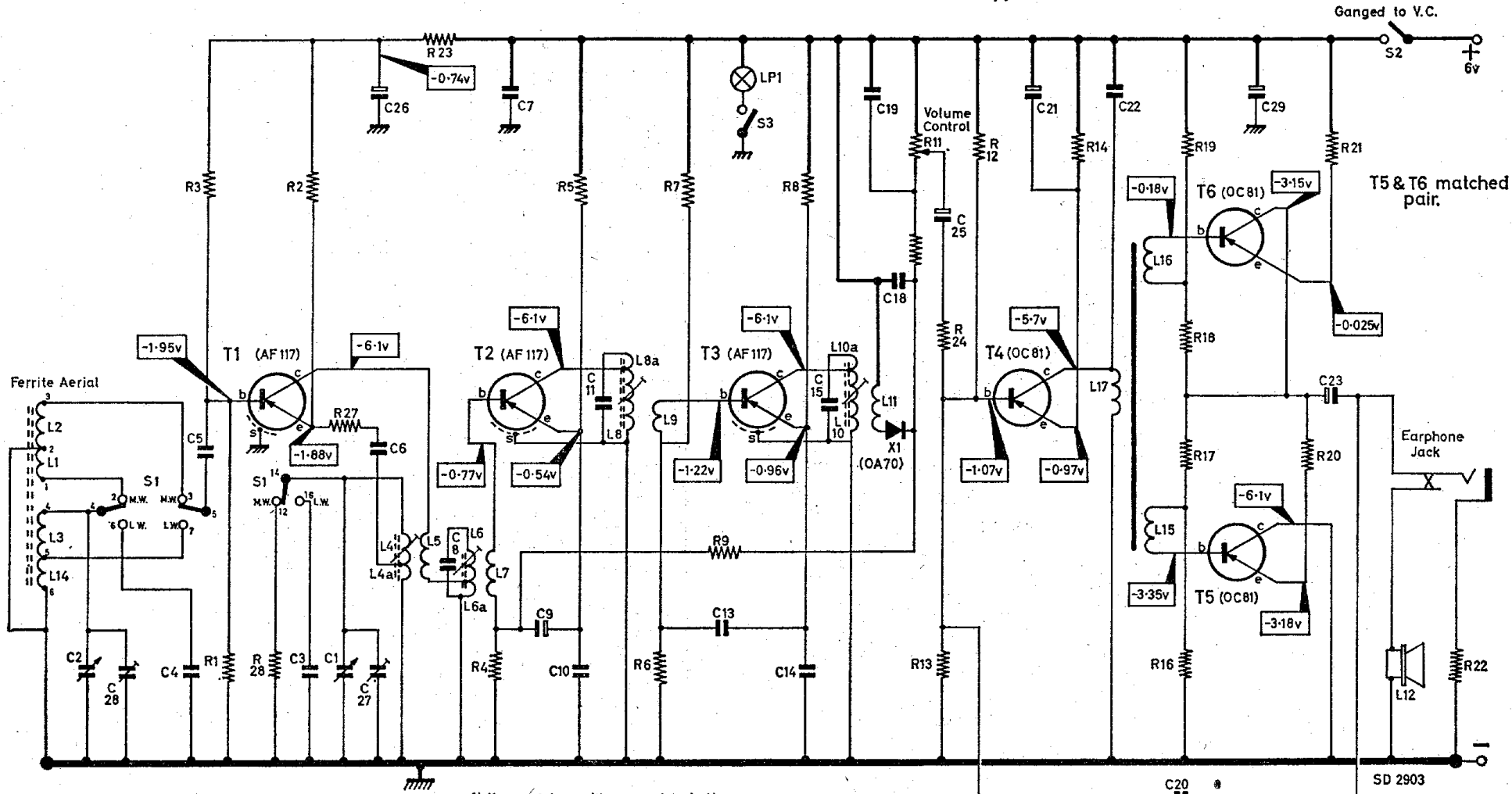
Alignment: I.F. 470 kc/s. (L10, L8, L6); L.W. 148 kc/s. (L4); 190 kc/s. (L3/L14); M.W. 1630 kc/s. (C27); 525 kc/s. (L1/L2); 1300 kc/s. (28).

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.



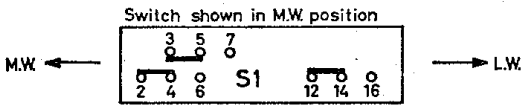
COMPONENT LAY-OUT

Circuit Diagram of Philips Model L2G47T



Voltages taken with respect to battery positive, using a 100Ka/V meter. No signal input. Negative earth. Battery voltage 6·1volts.

Switch shown in M.W. position



Capacitors.

C3	154 pF.
C4	56 pF.
C5	10,000 pF.
C6	22,000 pF.
C7	47,000 pF.
C8	150 pF.
C9	40 μF.
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 μF.
C22	10,000 pF.
C23	200 μF.
C25	6·4 μF.
C26	25 μF.
C29	200 μF.

Resistors.

R1	22,000
R2	1,000
R3	6,800
R4	82,000
R5	470
R6	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.