

PHILIPS

Model L3G03T

General Description: Six-transistor (plus crystal diode), two-waveband portable receiver with car aerial socket. This model is known also as "303T".

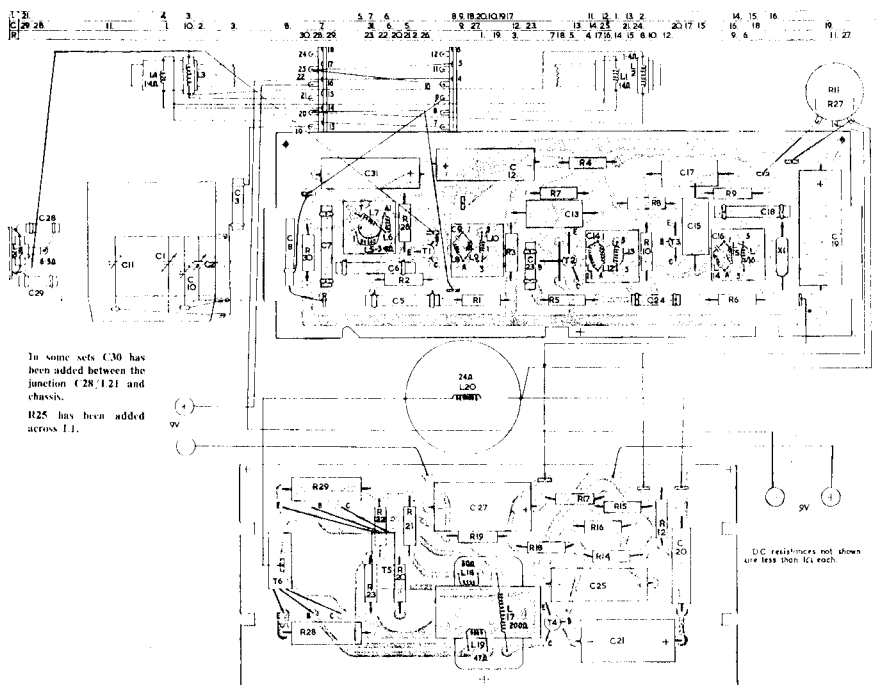
Power Supply: Two 9-volt batteries in series (Type PP9, T6009 or equivalents). No-signal consumption with 18 volts should be about 12 mA.

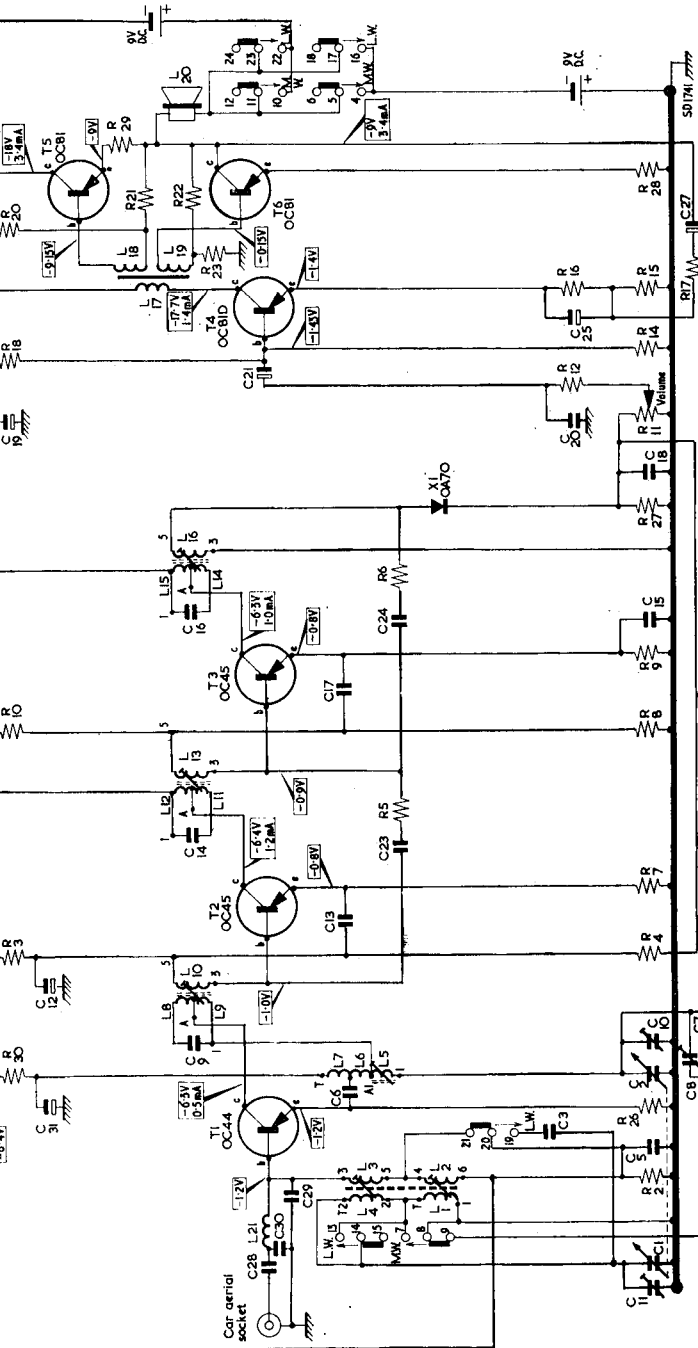
Wavebands: M.W. 187-555 m.; L.W. 1215-2000 m.

Transistors: (T1) OC44; (T2) OC45; (T3) OC45; (T4) OC81D; (T5, 6) matched OC81; diode (X1) OA70.

Alignment Frequencies: I.F. 470 kc/s.; M.W. 632 kc/s., 1450 kc/s.; L.W. 180 kc/s.

Dismantling: (a) Separating cabinet: Place receiver face downwards on a soft cloth. Release two screws (captive) at back of receiver and lift off rear moulding. When replacing, always ensure that locating lugs and sockets on their respective mouldings interlock correctly. (b) Releasing I.F. panel: With rear moulding removed, most components will be accessible. If necessary to replace components or take measurements on printed side, this panel may have to be released. Unsolder wiring as required and remove end fixing bracket nearest volume control. (c) Removing chassis assembly: Main chassis, tuning and drive assemblies may be detached from front moulding as one unit. Remove four (some sets three) fixing screws and unsolder both interpanel connecting lead and earth return wire to speaker chassis.





CIRCUIT DIAGRAM—PHILIPS MODEL L3G3T

Resistors.

R1	1k
R2	2.2k
R3	47k
R4	3.9k
R5	2.7k (5%)
R6	56 (5%)
R7	2.7k (5%)
R8	56 (5%)
R9	0.22M
R10	0.56M
R11	2.2k
R12	18k
R13	5.1 (W.W., 5%)
R14	5.1 (W.W., 5%)
R15	220

Capacitors.

C1	1k
C2	91 pF
C3	190 pF
C4	168 pF
C5	168 pF
C6	10,000 pF
C7	10,000 pF
C8	10,000 pF
C9	180 pF
C10	100 pF
C11	91 pF
C12	20 pF
C13	2-30 pF
C14	10 (50 V)
C15	82,000 pF
C16	91 pF
C17	82,000 pF

Resistors.

R1	30k
R2	10k
R3	68k
R4	12k
R5	1.2k
R6	3.3k
R7	680
R8	4.7k
R9	1k
R10	22k
R11	50k (log.)
R12	470
R13	18k
R14	15
R15	15

Capacitors.

C16	91 pF
C17	82,000 pF
C18	10,000 pF
C19	100 (1.2 v)
C20	4.7000 pF
C21	1 (50 v)
C22	56 pF (5%)
C23	22 pF (5%)
C24	100 (6 v)
C25	1 (50 v)
C26	10,000 pF (5%)
C27	56 pF or 18 pF
C28	56 pF or 18 pF
C29	50 (1.2 v)
C30	50 (1.2 v)
C31	50 (1.2 v)

* C30 not fitted in some sets in which case C29 is 18 pF.

† Not fitted in all models.