

# 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".

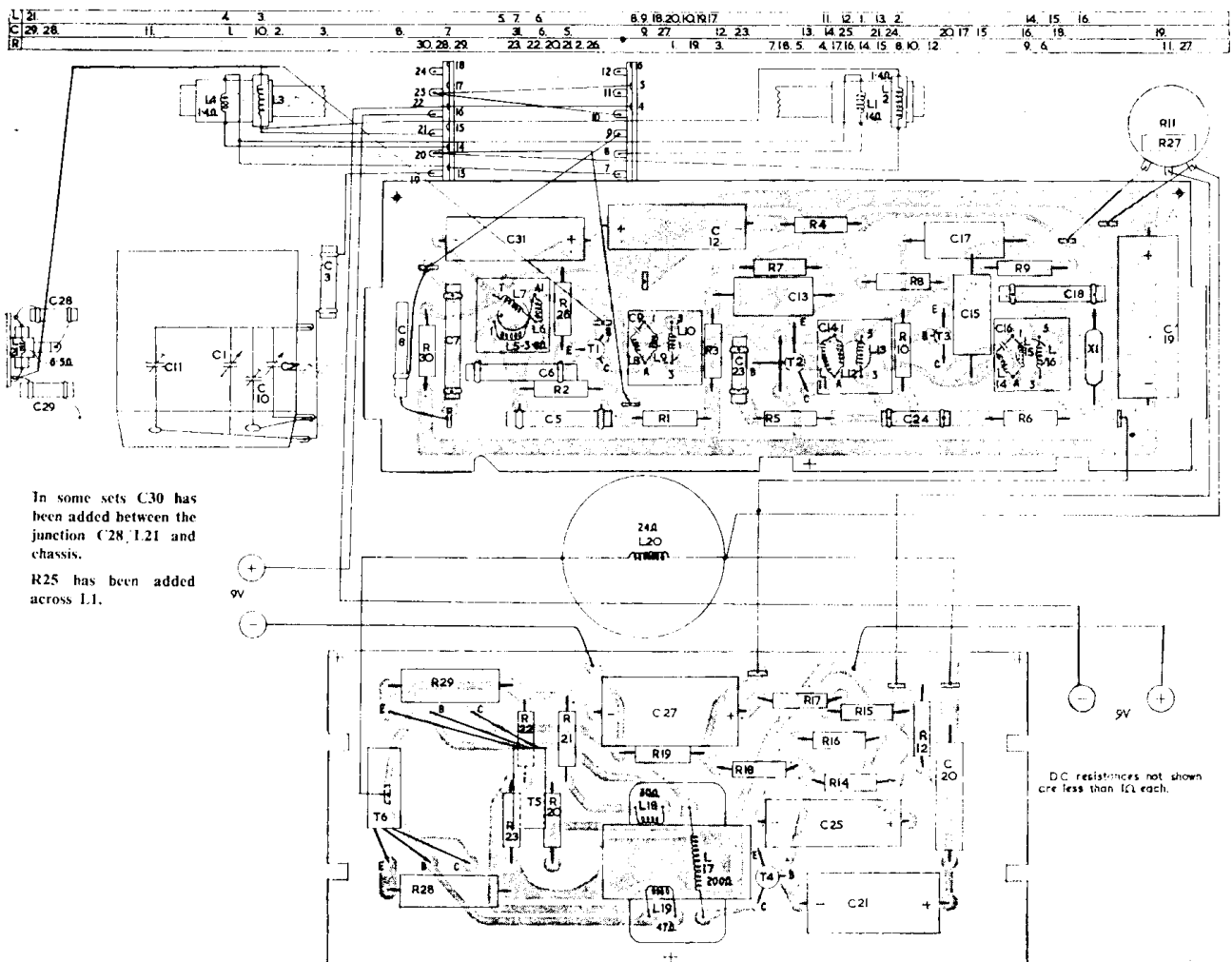
**Power Supply:** Two 9-volt batteries in series (Type PP9, T6009 or equivalents). No-signal consumption with 18 volts should be about 12 mA.

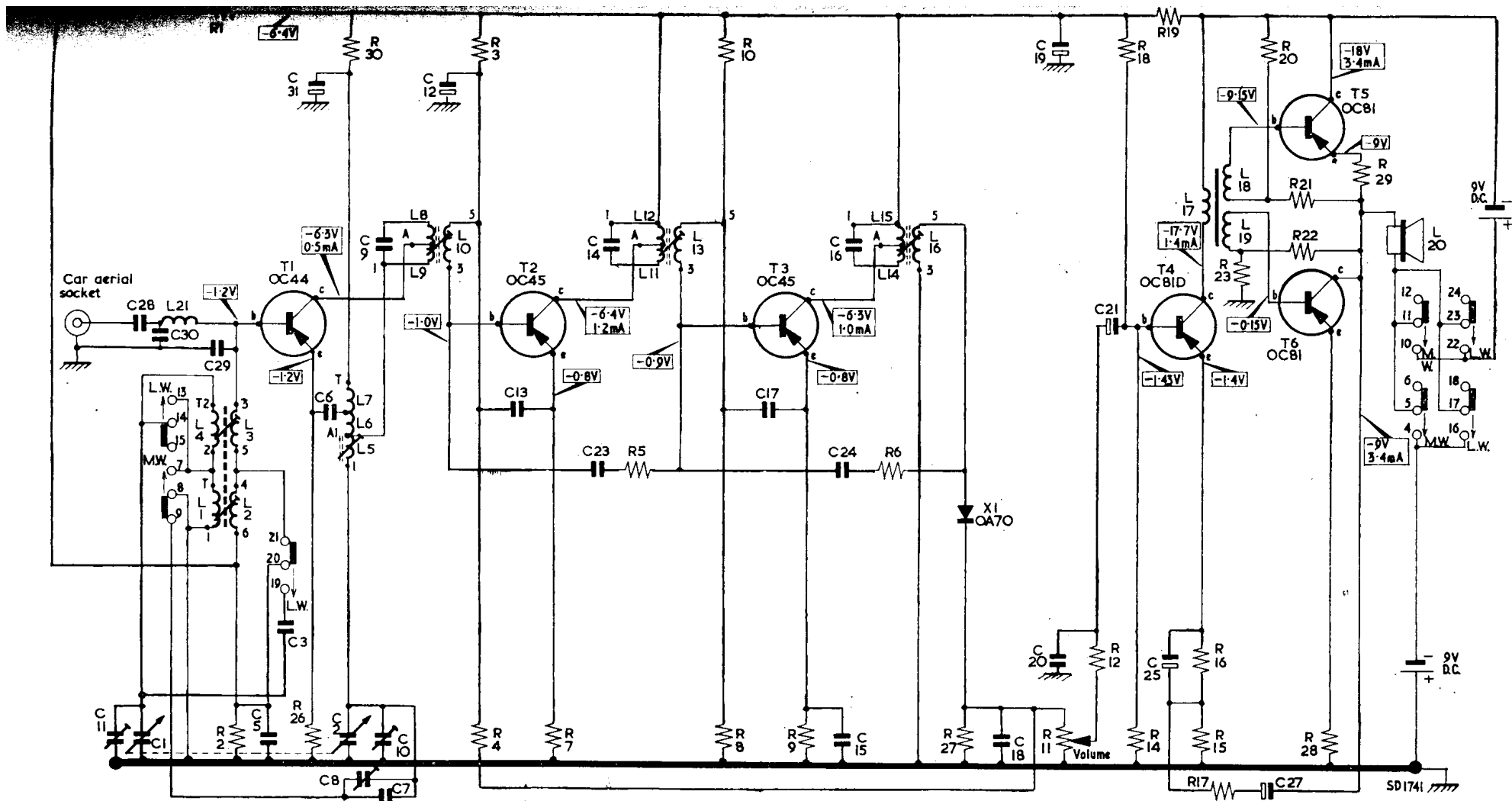
**Wavebands:** M.W. 187-555 m.; L.W. 1215-2000 m.

**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 L3Go3T

Capacitors.	
C1	196 pF.
C2	110 pF.
C3	68 pF.
C5	10,000 pF.
C6	10,000 pF.
C7	180 pF.
C8	100 pF.
C9	91 pF.
C10	2-30 pF.
C11	2-30 pF.
C12	10 (50 v.)
C13	82,000 pF.
C14	91 pF.
C15	82,000 pF.

C16	91 pF.
C17	82,000 pF.
C18	10,000 pF.
C19	100 (12 v.)
C20	4,700 pF.
C21	1 (50 v.)
C23	56 pF. (5%)
C24	22 pF. (5%)
C25	100 (6 v.)
C27	1 (50 v.)
C28	10,000 pF. (5%)
C29*	56 pF. or 18 pF.
C30*	56 pF.
C31	50 (12 v.)

Resistors.	
R1	39k
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
R14	18k
R15	15

R16	1k
R17	2.2k
R18	47k
R19	3.9k
R20	2.7k (5%)
R21	56 (5%)
R22	2.7k (5%)
R23	56 (5%)
R24	0.22M
R25†	0.56M
R26	2.2k
R27	18k
R28	5.1 (W.W., 5%)
R29	5.1 (W.W., 5%)
R30	220

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

† Not fitted in all models.