



- R19 47k
- R20 47k
- R21 27k
- R22 2M (log.)
- R22/R31 (B4GorU) 2M +
- R23 10M
- R24 0.22M

- R25 0.47M
- R26 1k
- R27 560 (1 W.)
- R27a 560 (1 W.)
- R28 68
- R29 (B4GorU) 68k
- R30 (B4GorU) 470
- R35 4.7M (20%)

- R36 120
- R37 0.22M (20%)
- R38 3.3k
- R38 (B4GorU) 2.7k
- R39 0.1M
- R40 27k (1 W.)
- R42 47k
- R44 10k (20%)

- R45 4.7M (1/2 W., 20%)
 - R46 Varite
 - R47 Varite
 - R50 1k (1.5 W., 5%)
 - R51 140 (5 W., 5%)
 - R52 235 (2.5 W., 5%)
- Resistors 1/2 W., 20% unless otherwise indicated.

Circuit drawn in the M.W. position

EM ← M.W. → LW.

All voltages to chassis using a 200000V voltmeter.

* B4GorU only R38 is connected to S33 and not to S24. S31 is NOT connected to chassis.

ADDENDUM:

In later Receivers a 1000pF Capacitor has been connected between pins 1 and 4 of V3 valve holder.

CIRCUIT DIAGRAM—PHILIPS MODELS B3G99U, B4GorU

Valves: (V₁) UCC85; (V₂) UCH81; (V₃) UF89; (V₄) UABC80; (V₅) UL84; (V₆) UY85.

Pilot Lamp: 19 volts, 0.1 amp. (Type 8097D).

Alignment Frequencies: A.M. I.F. 470 kc/s. M.W. 1620 kc/s., L.W. 190 kc/s. F.M. I.F. 10.7 Mc/s. R.F. 87.5, 94 and 100 Mc/s.

Dismantling: Remove two chassis-fixing screws located at bottom of front edge of chassis, also two screws at rear of bottom of cabinet. Withdraw chassis and unsolder speaker leads.

Associated Models: Models **B4G12U**, **B3G10U**, also known as **412U** and **310U**. C8 connected across S₅ and not in parallel with C10.

Radiogram Model **F4G10A**, also known as **410A**, incorporates a radio/gram switch, one section of which disconnects H.T. from triode anode of V₂ and screen of V₃ on "gram". The other section switches either P.U. or detector to top of R₂₂. Record unit AG1014. Motor windings are series connected, these in turn are connected in series with two resistors in parallel across set side of mains switch SW₁. R₁ (1.2k) and R_{1A} (1.5k) are short-circuited by the voltage selector in the 200-220 v. tap.