## **PHILIPS**

## Model B4G37U

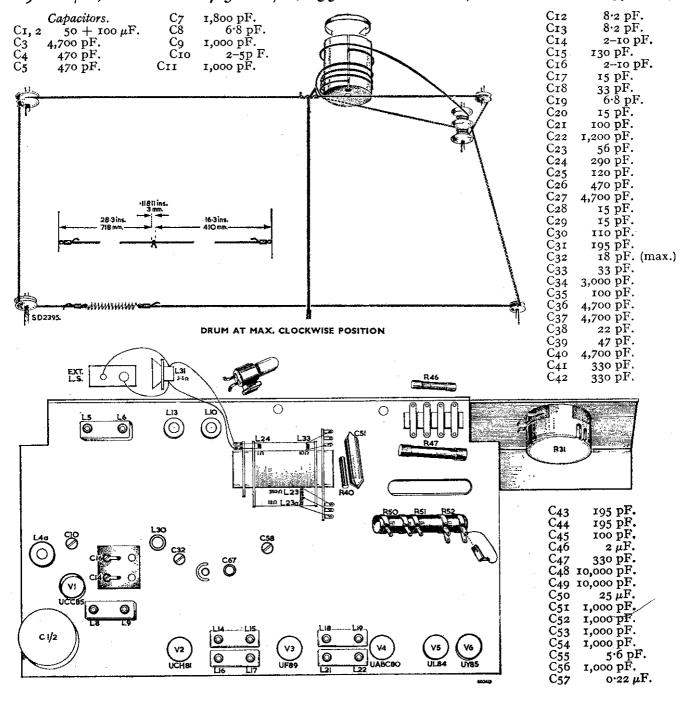
General Description: Six-valve (including rectifier), M.W./L.W./ V.H.F., A.M./F.M. table receiver. For operation on A.C./D.C. mains, 200-250 volts, 50 watts (mains-connected chassis). Known also as Model 437U.

Valves: (V1) UCC85; (V2) UCH81; (V3) UF89; (V4) UABC80; (V5)

UL84; (V6) UY85. Pilot lamp 19-volt, 0·1-amp (8097D).

Dismantling: Remove control knobs; then remove five chassis fixing screws from base of cabinet and withdraw chassis. To detach chassis completely from cabinet unsolder speaker leads.

Alignment: Tuner settings for alignment position measured from tuner bar to plate of permeability tuner assembly; 36.5 mm. 1620 kc/s.; 24 mm. 190 kc/s.; 16 mm. 87·5 Mc/s.; 35 mm. 100 Mc/s. A.M. I.F. 470 kc/s.



(L22, L21, L17, L16); M.W. 1620 kc/s. (C58, C32); L.W. 190 kc/s. (C67, L30). F.M. I.F. 10.7 Mc/s. (L18, L19/L19a, L14, L15, L8, L9); R.F. 87.5 Mc/s. (L6, L5); 100 Mc/s. (C16, C10). Trim C14 for minimum oscillator voltage with detector probe for valve voltmeter connected between anode of V1a and earth of V1 valve holder. Connect valve voltmeter via 100k across C46, apply unmodulated 94 Mc/s. signal to F.M. aerial sockets

and trim C4A for maximum output.

Drive Cord: Make up cord to dimensions shown. Turn tuner drum to maximum clockwise and insert knot on cord into slot on tuner drum, shorter end towards back. Pass short end of cord one turn clockwise around drum, winding from back to front, and down to rear pulley on drive spindle. Wind two turns from back to front in clockwise direction, then pass cord around bottom right-hand pulley. Fit tension spring to cord and anchor it to convenient point. Take longer end of cord and wind 3½ turns anti-clockwise around drum, winding from front to back. Pass cord around front pulley on drive spindle and wind on 2½ turns anti-clockwise, winding from back to front. Lead cord over top right-hand pulley, around top left-hand pulley, and attach it to tensions spring. Finally stretch cord over bottom left-hand pulley.

