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# BURNDEPT 309 312, 314

# VIDOR 308

*Model, Burndept* 309, *Vidor* 308 : *four-valve two waveband superhet battery portable.*

*Model* 312 (*with model* 314, *mechanical push-button version*) : *four-valve, two-waveband, battery-operated, table-type superhet.*

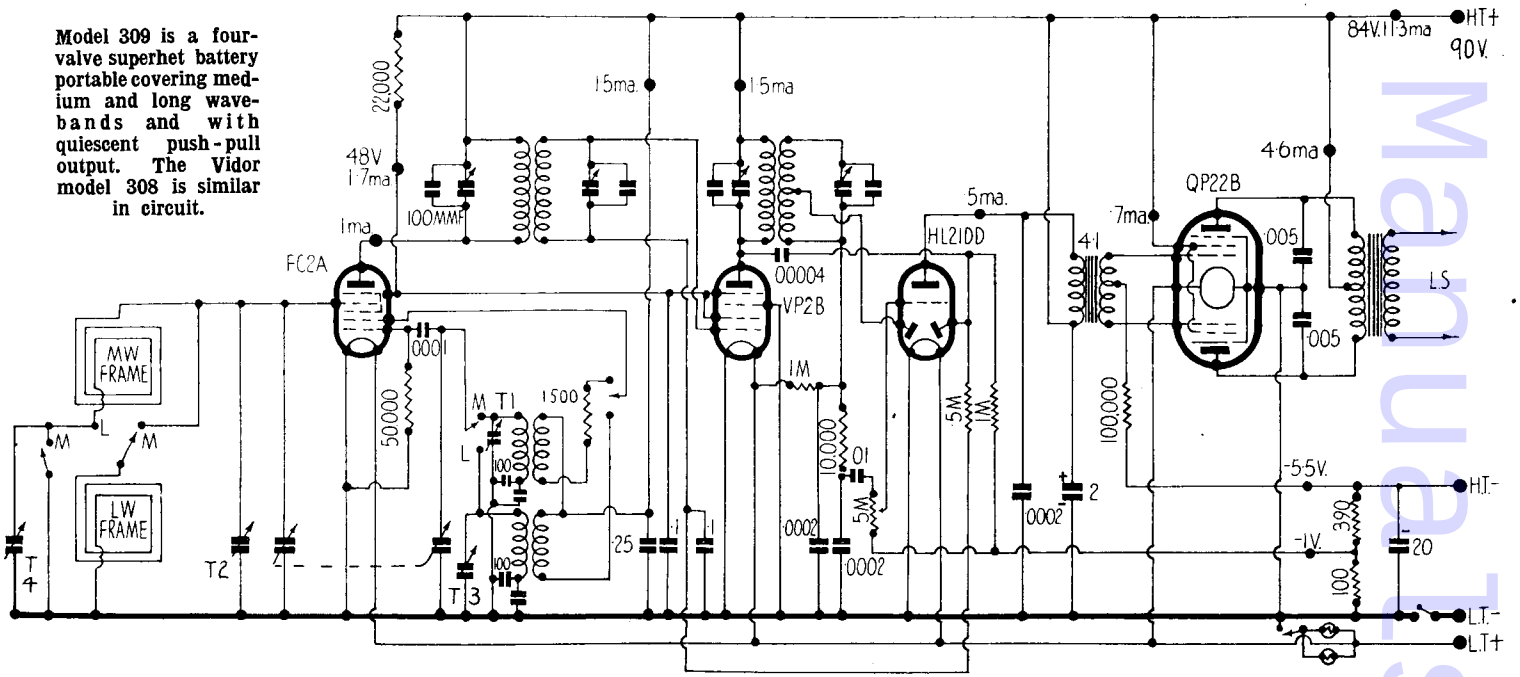
*Made by Burndept, Ltd., Light Gun Works, Erith, Kent.*

ALL basic service data for these receivers are given on the two circuit diagrams. It will be noted that the actual values of the components are given in the diagrams —resistances in ohms and megohms (M) and capacities in microfarads, unless otherwise indicated.

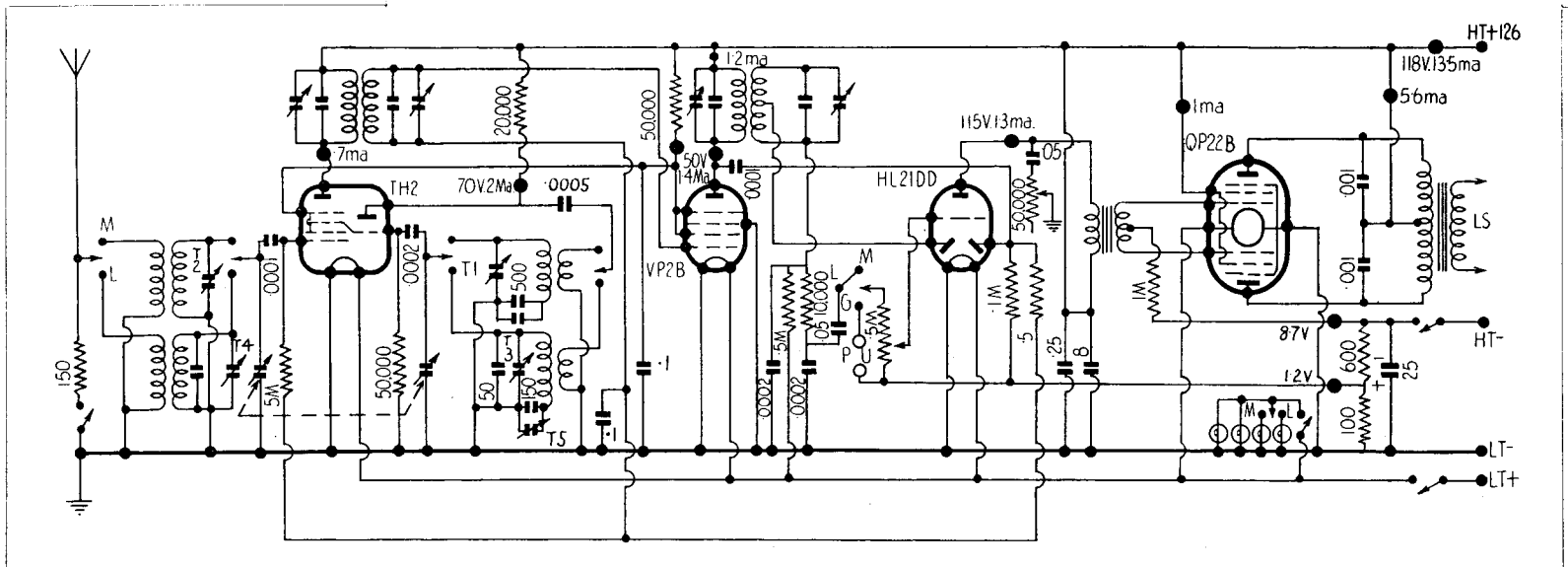
Instead of the usual valve readings tables, the voltages and currents measurable at certain "key" points are indicated. Particulars of batteries, pilot lamps and alignment are given below.

*Continued in the end column*

**Model 309 is a four-valve superhet battery portable covering medium and long wavebands and with quiescent push-pull output. The Vidor model 308 is similar in circuit.**




**Models 312, 314 (below): This is a table model battery superhet covering two bands and with quiescent push-pull output, but different from the 309 in several respects. Model 314 has a mechanical push-button system which does not involve circuit features.**




## BURNDEPT 309, VIDOR 308

**Battery.**—The recommended H.T. battery is the Vidor type L5039, 90v.

**Pilot Lamps.**—2 volt, .3–.5 amp.

**Ganging.**—Adjust I.F. trimmers at 450 kc. Adjust T1 and T2 at a suitable frequency towards the bottom of the M.W. band. Adjust T3 and T4 towards the bottom of the L.W. band. There are no padding adjustments on M. or L.W.

Inject these signals by means of a small loop placed near the frame aerial.

## BURNDEPT 312, 314

**Battery.**—A Vidor type L5043, 126v., including G.B., is recommended.

**Pilot Lamps.**—2 volt, .3–.5 amp.

**Extension Speaker.**—Low impedance.

**Ganging.**—Adjust I.F. trimmers at 473 kc. Adjust T1 and T2 at a point towards the bottom of the M.W. band and T3, T4 at a point towards the bottom of the L.W. band. There are no padding adjustments.