

General Description : The basic design of the 499UB is similar to that of the 499, but incorporates a mains rectifier unit permitting operation on A.C./D.C. mains, 190-250 volts, in addition to battery operation. When the mains socket and lead is inserted firmly into the back of the receiver, the batteries are automatically rendered inoperative. There are two voltage-adjustment tappings marked 200-220 and 220-240. A metal rectifier is employed, made up of two small units, type R.M.2. (S. T. & C.). Mains consumption 20 watts. Released September 1950. Price £14 14s. 1d. (plus tax).

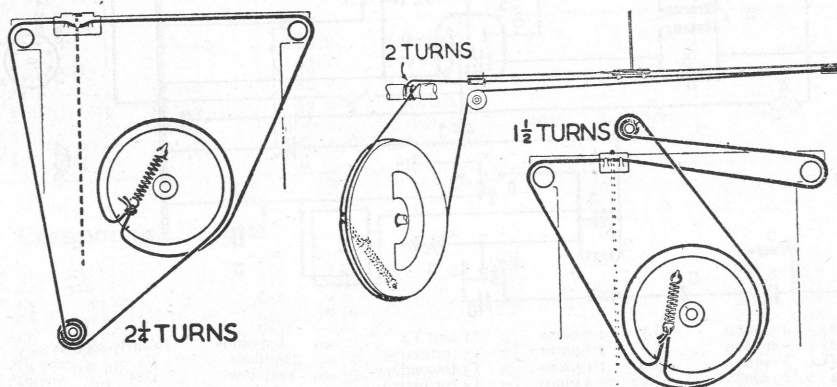
Alignment Procedure : *Note :* When carrying out alignment with receiver operated from mains supplies, the chassis may be at high potential : the screening of the signal-generator lead should be connected to chassis via a good-quality 0.1- μ F. capacitor.

For additional information see Model 499.

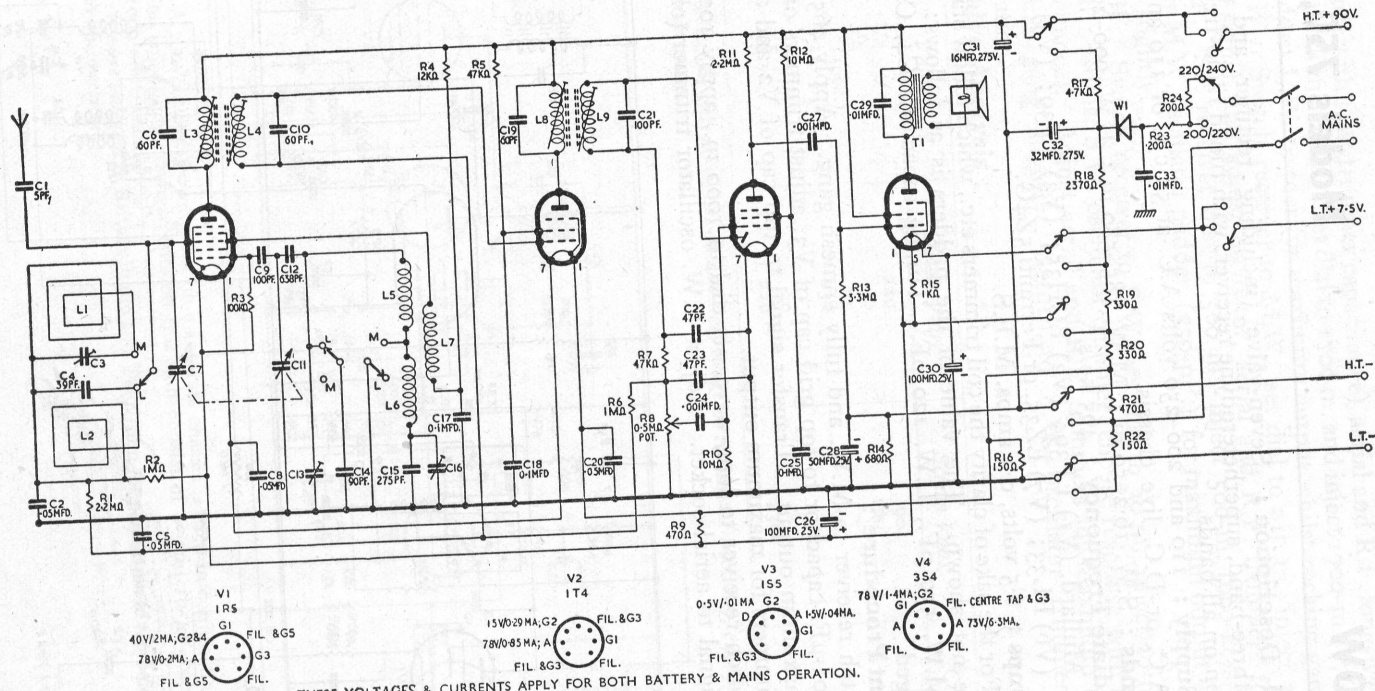
MODELS 470AC, 487AC, 480K, 490K AND 487U

Alternative Intermediate Frequency : In some Midland and Northern areas of the United Kingdom it has been found that these models radiate and cause interference to nearby receivers. This can be overcome by tuning the I.F. transformers to 450 kc/s. With this change in intermediate frequency the calibration is slightly affected and two 20-pF. ± 20 per cent capacitors should be added ; one across the L.W. oscillator fixed trimmer, and the other across the M.W. oscillator padder.

Receivers thus modified at the Cossor Works are stamped with an "M" on the cabinet back.



TYPICAL CORD-DRIVE SYSTEMS USED ON COSSOR RECEIVERS



CIRCUIT DIAGRAM—COSSOR MODEL 499UB

W. F. P.