

TECHNICAL INFORMATION  
AND  
SERVICE DATA

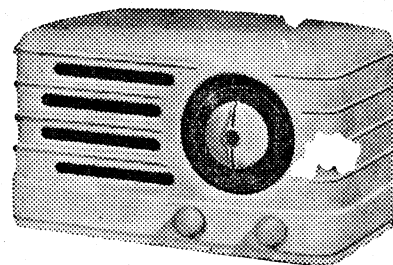


# RADIOLETTE

## Model 500-MY

FOUR VALVE BROADCAST  
A.C. OPERATED SUPERHETERODYNE

ISSUED BY  
AMALGAMATED WIRELESS (A/SIA.) LTD.



### GENERAL DESCRIPTION.

The Radiolette is a compact mantel receiver housed in an attractively designed moulded plastic cabinet which is produced in three colours—Ivory, Jade Green and Walnut.

Features of its design include: Tropic-proof construction, Automatic Volume Control, magnetite cores in I.F. transformers and oscillator coil, spiral-wound trimming capacitors.

Electrically, this receiver closely resembles the Radiolette model 500-m, differences being in frequency range and the use of back-bias on the 6V6GT output valve. For all other information, refer to the 500-M Service Manual.

#### POINTS OF DIFFERENCE FROM MODEL 500-M.

Frequency Range .....	540-1600 kc/s (555-187.5M.)
Volts across back bias resistors R9, R10 .....	12.5 V.
Volts across resistor R9 .....	2.4 V.

In alignment table, read 540 kc/s in place of 550 kc/s.

The 500-MY is fitted with spiral wound trimming capacitors mounted on top of the tuning gang instead of the air-dielectric capacitors shown in the 500-M Service Data Sheets.

#### LOUDSPEAKER SERVICE.

Repairs (other than transformer replacement) to loudspeakers fitted with Hawley cones and fabric spiders should be done only by Service Departments suitably equipped to do the work.

If a previous type speaker is in use, only the adjustment (centering) of the voice coil and replacement of the transformer should be attempted. To centre the voice coil, first remove the dust cover by carefully cutting around the inside of the voice coil former with a sharp knife. Loosen the suspension screws, insert three narrow paper "feelers" in the gap and re-tighten the suspension screws. The "feelers" should be approximately 3/16 inch wide and 0.006 inch thick.

NOTE: The coding of the 500-M and 500-MY circuits differ. (See back for diagram and code.)

