Installation, Operating Instructions

Service Information

for Your-"VIKING" ...

Model RMB-253



5-Tube, Single Band, Battery Operated SUPERHETERODYNE RECEIVER

with Battery Saver Switch and Tuned R. F. Stage
"A" Battery—1.5 Volts
"B" Battery—90 Volts

IMPORTANT

READ THIS CAREFULLY AND RETAIN FOR FUTURE REFERENCE

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INSTALLATION and OPERATION

ANTENNA

A short antenna about 30 ft. long will occasionally prove satisfactory especially near powerful broadcasting stations, but such an antenna is not recommended.

For best results an outside antenna, mounted as high as possible, 50 ft. to 100 ft. long including lead-in should be used.

Connect the antenna to BLUE lead extending from the chassis.

GROUND

It is essential that this receiver have a good ground connection. This may be obtained by connecting the ground lead to a water pipe or to a metal rod driven into the ground. Connect the ground to BLACK lead extending from the chassis.

BATTERIES

This receiver has been designed for use with a plug-in type "A" and "B" Battery pack as shown in the layout. It has, however, been equipped with Battery leads of sufficient length to allow for the use of separate large plug-in type batteries to gain greater battery economy.

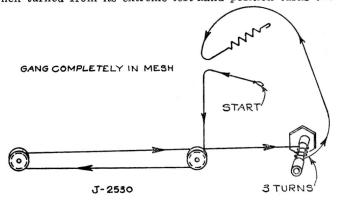
The receiver should not be located close to a radiator or stove as the life of the battery may be reduced by too high a temperature. The approach of the end of the useful life of the battery will be indicated by a gradual reduction in the volume of the receiver. If the volume does become noticeably less than usual, the battery voltages should be checked and the battery replaced if any of the voltages have dropped below two-thirds of their rated value.

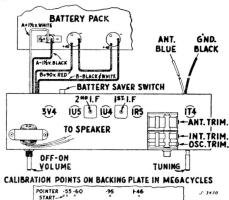
BATTERY SAVER

A Battery Saver switch has been built into this receiver to extend the apparent life of the "A Battery" portion of the Battery pack. It is intended to be used in the "new battery position" until such time as the filament voltage drops to a reading of 1.3 volts. If a voltmeter is not readily available the switch should be left in the new battery position until reception is definitely below standard or for approximately 200 hours of operation at which time it should be placed in the "old battery position". Should this procedure not be followed there will be a decided reduction in "A Battery" useable hours.

OFF-ON SWITCH VOLUME CONTROL

The volume control in addition to performing its usual function incorporates an OFF-ON switch which when turned from its extreme left-hand position turns the received on.





STRINGING DETAIL

CHASSIS LAYOUT

SERVICE INFORMATION

FOR ALIGNMENT AND SENSITIVITY DATA SEE SCHEMATIC

When writing for service information, please quote Viking 54-55 Model, and Serial Number as shown on License Plate.

SPECIFICATIONS

Standard Broadcast Range540 Kc — 1640 Kc
Intermediate Frequency 455 Kc.
Undistorted Power Output
Maximum Output
"A" Battery, 1.5 Volts—Average Drain
"B" Battery 90 volts—Average Drain 12.0 ma.

REPLACEMENT PARTS LIST

G-3324 ufd. 100V. Electrolytic
K-386"B" Battery Plug
K-801"A" Battery Plug
K-1627-24" x 6" P.M. Speaker Assy.
LK-423-2Output Trans.
P-1734-2B.C. Ant. Coil
P-2368-1B.C. Interstage Coil

P-2369-1B.C. Osc. Coil
P-2636I.F. Transformer (1st & 2nd)
R-336-2Volume Control & Switch
V-367-2Gang Condenser

INSTALLATION

N-394-1....Knob

