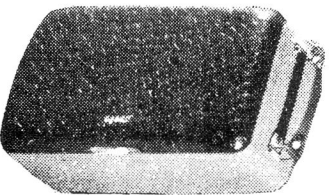
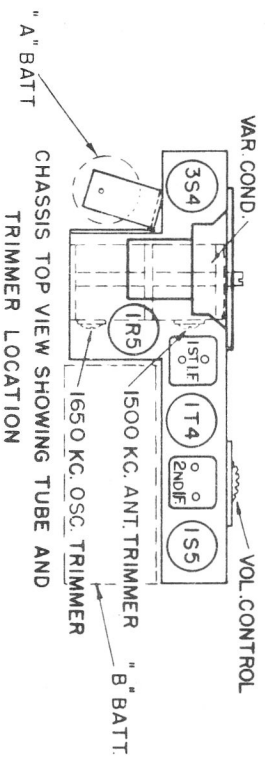


1949-50

GAROD BATTERY PORTABLE MODEL

- ① 1.467 LOOP ANTENNA
- ② 2.214 2 GANG VARIABLE CONDENSER
- ③ 1.466 OSCILLATOR COIL
- ④ NOT USED
- ⑤ 1.412¹ST. I.F. TRANSFORMER
- ⑥ 1.413²2ND. I.F. TRANSFORMER
- ⑦ 8.204 VOLUME CONTROL
OR
- ⑧ 11.214 DOOR SWITCH
- ⑨ 9.207A OUTPUT TRANS.
- ⑩ 30.315 2 1/2" P.M. SPEAKER
- ⑪ 5.417 8MFD. 100V. ELEC. CAP.



**FURTHER DATA ON
SHEET 2**

BATTERY REQUIREMENTS: The following batteries are required:

QUANTITY	TYPE	MANUFACTURER
1	1 1/2 volt "A"	Eveready size "D", Burgess No. 2, Ray-O-Vac size "D" or equivalent.
1	6 7/2 volt "B"	Eveready #467, Burgess Type XXD, Ray-O-Vac Type 4367 or equivalent.

TUNING RANGE: Broadcast 540 to 1650 Kilocycles (180 to 555 meters).

DIAL SCALE: The dial scale is calibrated in kilocycles. Example: Read "60" as 600 Kc.

TUBES: The tubes used and their functions are as follows:

1R5 Converter	1S5 Detector, AVC and Audio Amp.
1T4 I.F. Amplifier	3S4 Power Amplifier

For the placement of these tubes, see the diagram showing tube layout.

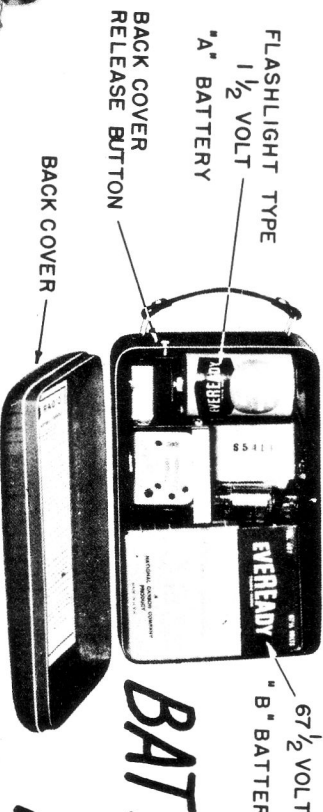
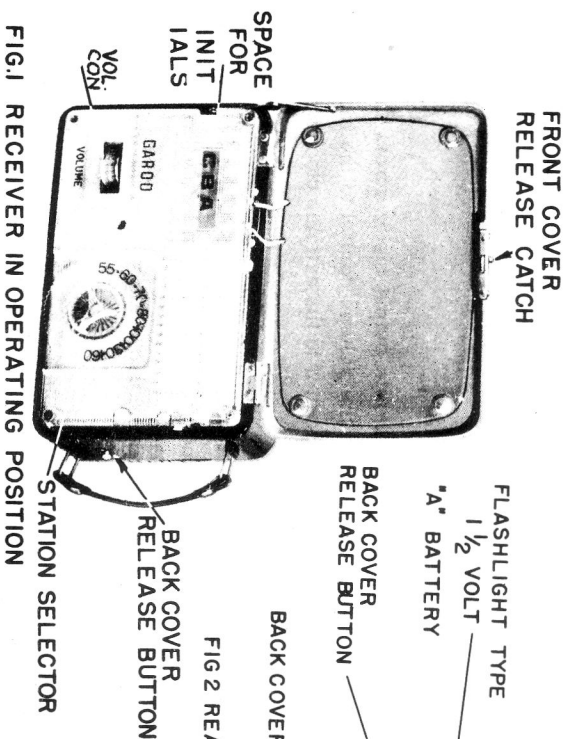
CAUTION: In removing the back cover, raise the lock end of the back cover only enough to clear the case edge before sliding the cover toward the strap handle to release the opposite end from the two protruding bottom case tabs that hold it down. Failure to observe this precaution may result in breaking out the two bottom holes from the cover.

NOTE: Should the front or rear plastic cover become soiled due to excessive handling, use a mild soap and water to clean the covers. Do not use any form of cleaning agent, such as benzene or carbond.

Insert the 1 1/2 volt "A" battery into the spring holder with the protruding center contact at the top of the "A" battery always facing the position shown on the diagram rear of back cover or Fig. 2, opposite page. Do not insert the "A" battery in the opposite position in the spring holder.

ALIGNMENT: (Receiver removed from cabinet.) Should it become necessary at any time to check the alignment of this receiver, proceed as follows:

- (1) Set the signal generator to 455 KC and connect to the stator lug (rear section) of variable capacitor. Extend the loop leads and solder to original points. Connect the signal generator ground lead to the chassis. Connect a suitable output meter across the speaker voice coil connections. Turn the volume control to the maximum position. Turn the variable capacitor to the extreme clockwise position (minimum capacity).
- (2) Adjust the trimmers located at the top of the first and second I.F. Transformers for maximum output, as indicated on the output meter.
- (3) Loosely couple the signal generator lead to the loop and set to 1650 KC.
- (4) With the variable capacitor set at minimum capacity, tune in the 1650 KC signal by means of the oscillator trimmer on the variable capacitor (rear section).
- (5) Set the signal generator to 1500 KC and turn the tuning control until this frequency is heard. Adjust the antenna trimmer on the variable capacitor (front section) for maximum output.
- (6) Install the chassis into the cabinet and re-adjust the antenna trimmer at 1500 KC. No other adjustments are necessary.



6 7/2 VOLT
"B" BATTERY
GAROD
BATTERY PORTABLE
MODELS

1949-50
44-1B
44-2B
CIRCUIT DATA
ON SHEET 1