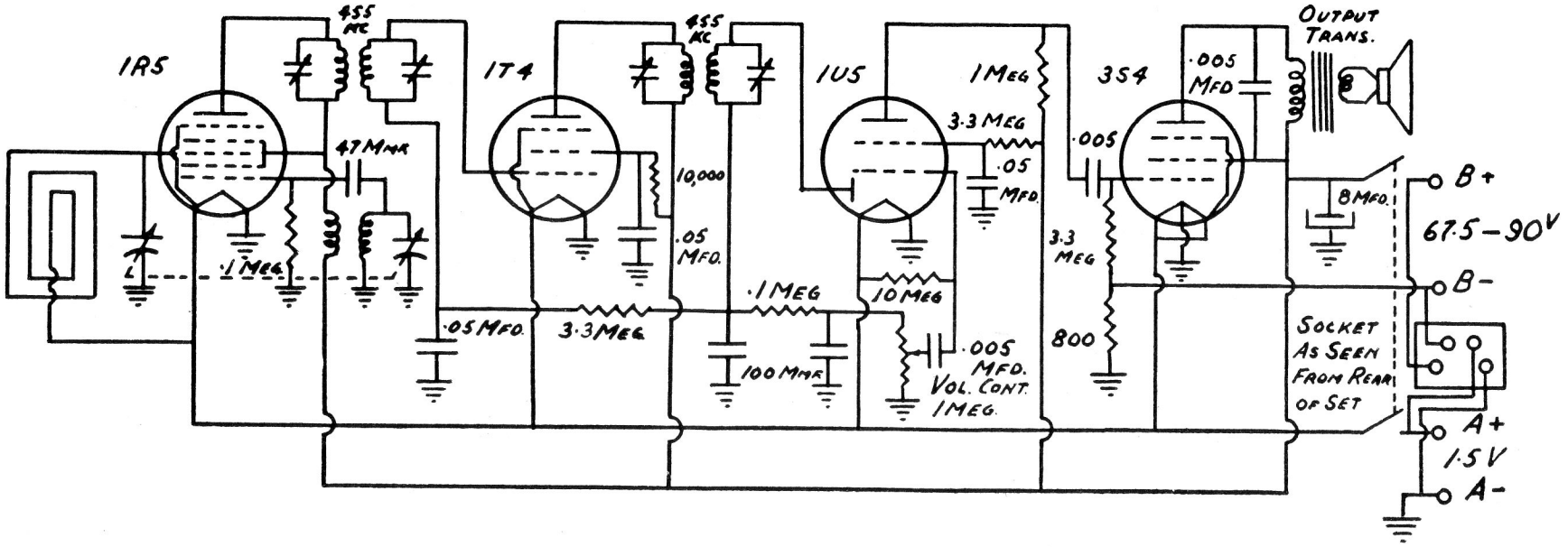


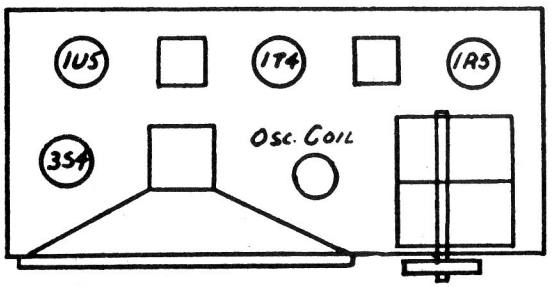
INSTRUCTIONS:

1. Insert A battery cells in left-hand compartment (viewed from rear of set) with terminals towards front of set.
2. If No. 467 battery is used, insert battery and pack extra space with cardboard. Connect leads to battery by pressing spring connectors firmly onto battery terminals.
3. If No. 455 batteries are used, connect "(—)" terminal of one to "+45" terminal of the other with jumper provided, and other two terminals as in (2) above.
4. When batteries show signs of failure, replace A cells first, as they will usually wear out before B batteries are exhausted.
5. For economical cottage or farm use, a large "A-B" pack such as Eveready No. 758 or 748 can be connected to the set by means of the plug and socket provided on the rear of the chassis, following the connection diagram given at the right above.

   CAUTION—Remove all batteries from set when using as above, and see that "B" battery leads cannot come in contact with chassis or each other. When set is out of use for periods over a month, remove all batteries to avoid damage by swelling or leakage.
6. When receiving distant stations, turn set around until best reception is obtained. All built-in aerials are directional except on strong local stations.

IF. = 455 KC.

TUBE LOCATION & LAYOUT



ALIGNMENT ON SHEET 2

BATTERY MODEL JBL27A & B

DATA SHEET 1

BRADNA

ALIGNMENT

I.F. ALIGNMENT: I.F. transformers are to be aligned at 455 KC; place output lead of signal generator near aerial on back of case and attach ground lead to chassis. If I.F's are badly off and signal cannot be heard, connect generator lead temporarily to grid end of loop antenna (on connecting lug inside case). This is the lead that goes to the side of the variable tuning condenser. Tune I.F. trimmers for maximum output, starting on the end nearest the IU5 (or IH5, if used). If set oscillates or hisses, slightly detune one side of one or both I.F. Transformers until the oscillation disappears.

R.F. ALIGNMENT: Align high end at about 1400 KC. using the oscillator trimmer and antenna trimmer only. If slug in oscillator coil has been moved, align low end at about 600 KC. by moving the slug up or down in the coil, then realign at 1400 KC. If R.F. trimmer will not give a peak with the dial set at exactly 1400, ignore dial setting and increase or decrease by means of the oscillator trimmer only until peak sensitivity can be attained. Low end adjustment can be made in the same way, by moving the slug in the oscillator coil or by bending the side plates of the oscillator gang (not recommended).

R.F. Alignment should preferably be made with set close to back of cabinet, so that the loop antenna will have the same inductance as in normal operation.

Batteries may be considered out when "B" battery falls below 2/3 of rated voltage and "A" batteries below 1.1 volts.

When repairing or adjusting set, use may be made of the battery plug on rear chassis (Model JBL 27B only) to operate set out of the cabinet.

Avoid use of "A" cells having an outer metal shell, as these are slightly undersize and may not make proper contact with the set contacts.

1947 48 IF.= 455 KC.
BATTERY MODELS
JBL 27A&B
ALIGNMENT & INSTRUCTIONS

SERVICE NOTES:

To remove set from cabinet:-

(1) Remove knobs and dial button, using an instrument screwdriver and being careful to save any spacing washers.

(2) Remove back of set.

(3) Take out two securing screws from bottom of cabinet; if packing strips of fibre have been used under chassis, note position and save for re-assembly

(4) To get at wiring and components, remove batteries and take out the two screws at either end which secure the sub-chassis. Note position of the two fish-paper insulating pieces and save for re-assembly. The small angle piece is necessary to protect the switch terminals from shorting against the sub-chassis.

VOLUME CONTROL

Value	IRC No.
1 Meg.	13-137 Sw. No. 22

CAPACITORS	AEROVOX No.
.005 mfd. pp.	684
.002 mfd. pp.	684
.05 mfd. pp.	484
.02 mfd. pp.	684
.01 mfd. pp.	684
100 mmfd. mica	1468
47 mmfd. mica	1468
160 mmfd. mica	1468
8 mfd. elec.	PRT150
40 mfd. elec.	PRT150
200 mfd. elec	PRT25

NOTE: No manufacturers numbers for misc parts. Order by name of part and model number

CIRCUIT ON DATA SHEET 1