

RCA VICTOR

Battery Personal Receiver

MODELS 8B41, 8B42, 8B43

Chassis No. RC-1069, RC-1069A, RC-1069B

Alignment Procedure

Output Meter.—Connect meter from top lug of TB5 (plate of 3S4) to ground. Turn volume control to maximum position.

Test-Oscillator.—For all alignment operations, connect the low side of the test-oscillator to the receiver chassis, and keep the oscillator output as low as possible to avoid a-v-c action.

Alignment Shield.—It is necessary to use a shield during oscillator alignment.

Fig. 3 shows the modifications necessary to convert the center strip portion of a case into a convenient shield to be used as a substitute for the regular case center strip during oscillator alignment.

If a substitute case is not available, a shield may be improvised using a sheet of aluminum (DO NOT USE STEEL) to approximate the shielding effect of the case on the 1R5 tube, tuning condenser and oscillator coil.

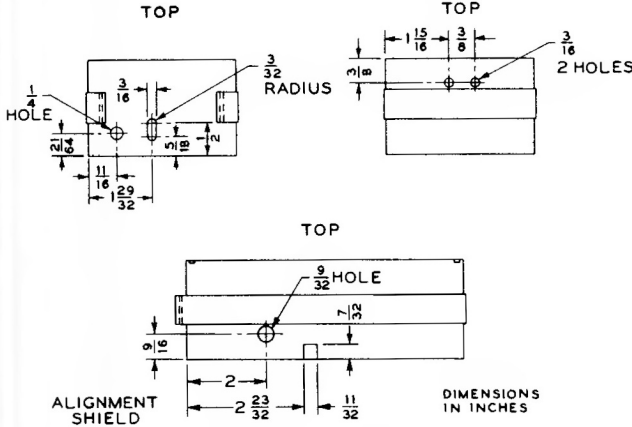
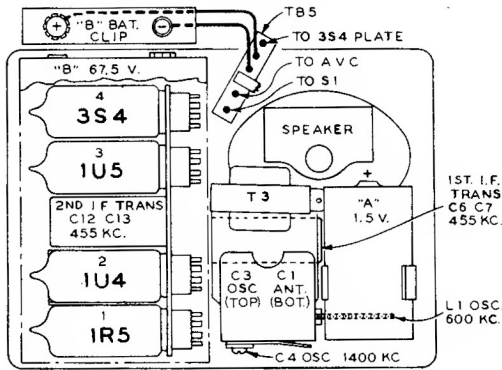


Fig. 3—Alignment Shield



A rubber band should be placed around each tube for cushioning.

Fig. 5—Tube and Trimmer Locations

Steps	Connect the high side of test osc. to—	Tune test-osc. to—	Turn radio dial to—	Adjust the following for max. peak output—
1	Connection lug of C1 located on rear of gang in series with .01 mf.	455 kc	Quiet point near 1,600 kc	C12, C13 2nd I-F trans.
2				C6, C7 1st I-F trans.
3	Repeat steps 1 and 2			
4	*Antenna coupling loop	1,400 kc	14 Rock gang	C4 (osc.) ↓
5		600 kc	60 Rock gang	L1 (osc.) ↑
6	Repeat steps 4 and 5			

*Steps 4 and 5 require a coupling loop from the signal generator to lead a signal into the receiver loop located in the lid. This loop should be loosely coupled to the receiver loop antenna so as not to disturb the receiver loop inductance.

† ALIGNMENT SHIELD MUST BE USED. (See text.)

