

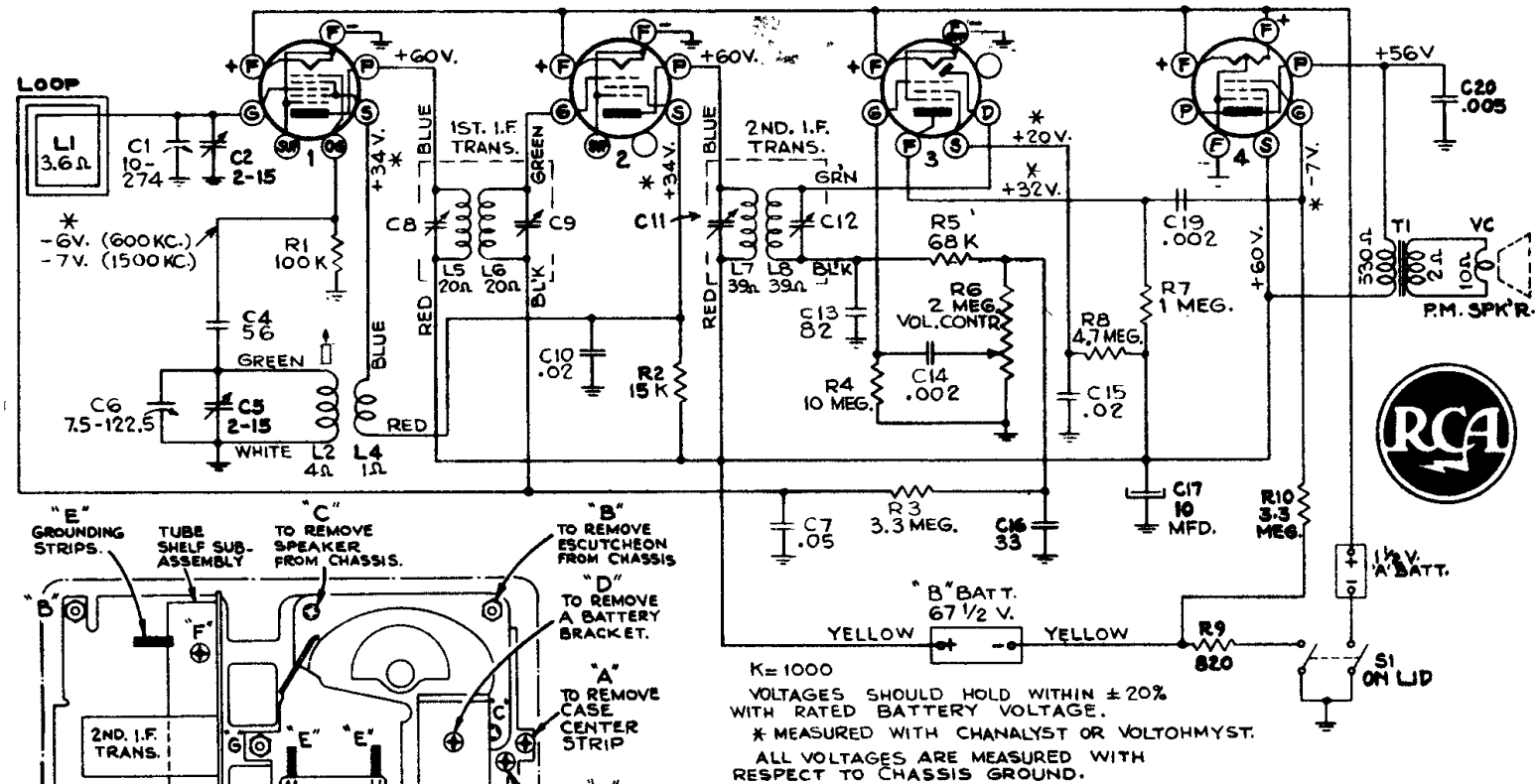
BOTTOM VIEW OF
TUBE SOCKETS

1R5
1ST. DET. & OSC.

1T4
I.F.

1S5
2ND. DET., A.F. & A.V.C.

354
OUTPUT



54B1, 54B1-N, 54B2, 54B3

Chassis No. RC589; Mfr. No. 274

Alignment Procedure

Test Oscillator.—Connect test oscillator as indicated in chart keeping the output as low as possible to avoid A V C action.

Output Meter.—Connect meter from top lug of T1 (plate of 354) to ground. Turn volume control to maximum position.

Fig. 1 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 in the RF, Osc. alignment.

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 C2, located on rear of gang in series with .01 mf.	455 kc	Quiet point near 1,600 kc	C11, C12 2nd I-F trans.
2		455 kc	Quiet point near 1,600 kc	C8, C9 1st I-F trans.
3		1,600 kc	1,600 kc	C5 (osc.)
4	*Antenna coupling loop thru 200 mmf. capacitor	1,500 kc	1,500 kc	C2 (ant.)
5		800 kc	800 kc	L2 (osc.)
6	Repeat steps 4 and 5 for final adjustments.			

* Steps 3, 4 and 5 require a coupling loop from the signal generator to feed a signal into the receiver loop located in the lid. This loop should be approximately one turn of 6 x 3 1/2 inches coupled to the signal generator through a 200 mmf. capacitor, and loosely coupled to the receiver loop antenna at about 1 3/4 inches distance, so as not to disturb the receiver loop inductance. Ground test oscillator through .1 mf. capacitor to receiver chassis.

Tools required:

1. One Phillips No. 1 screwdriver.
2. One small neutralizing alignment tool.

