

**RCA Victor Models 3-BX-671, 3-BX-672**  
Chassis No. RC-1125

**CAUTION —**  
Do not remove any tubes from the chassis with the set operating and the plug connected to the power line. Damage to tubes may result.

**NOTES**  
1. CHASSIS INSULATED FROM METAL CASE  
2. THROUGH CONNECTION ON ROTORS ON S1A, S1C & S1D.  
K=1000  
ALL RESISTANCE VALUES IN OHMS, & ALL CAPACITANCE VALUES IN MICROFARADS, UNLESS OTHERWISE INDICATED.  
RESISTANCE VALUES LESS THAN 1.0 ARE IN OHMS, UNLESS OTHERWISE INDICATED.

**FRONT & REAR SECTIONS OF SWITCH S1A, S1B, ETC. ARE VIEWED FROM FRONT WITH THE SWITCH SHAFT IN EXTREME C/CLOCKWISE POSITION NO. 1.**

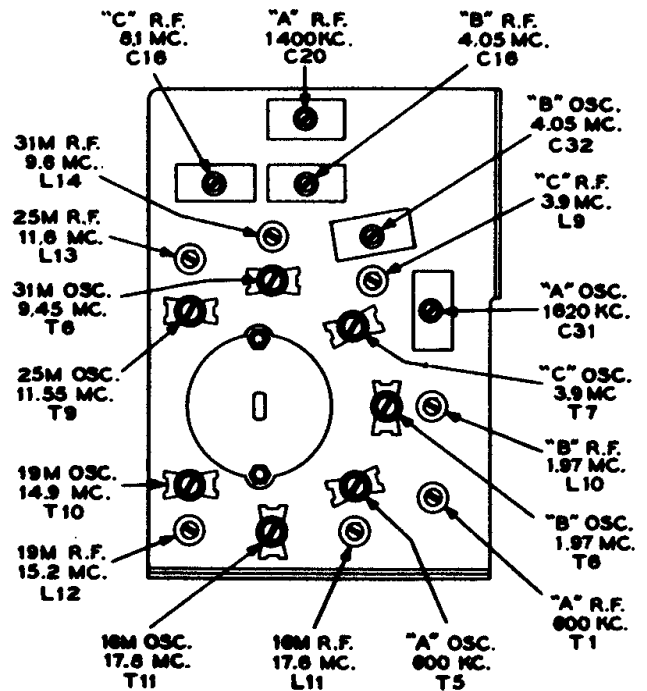
# Alignment Procedure

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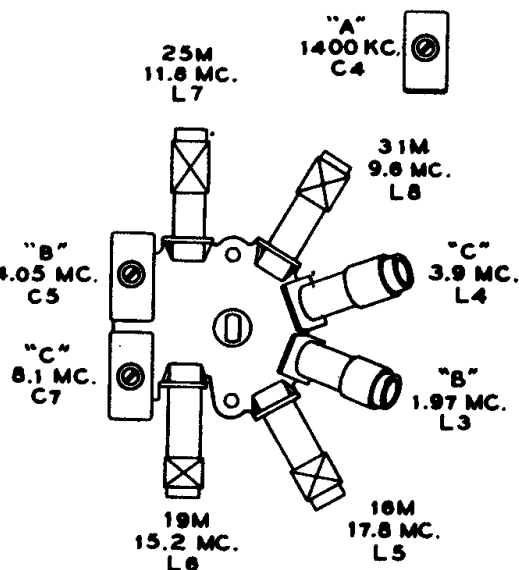
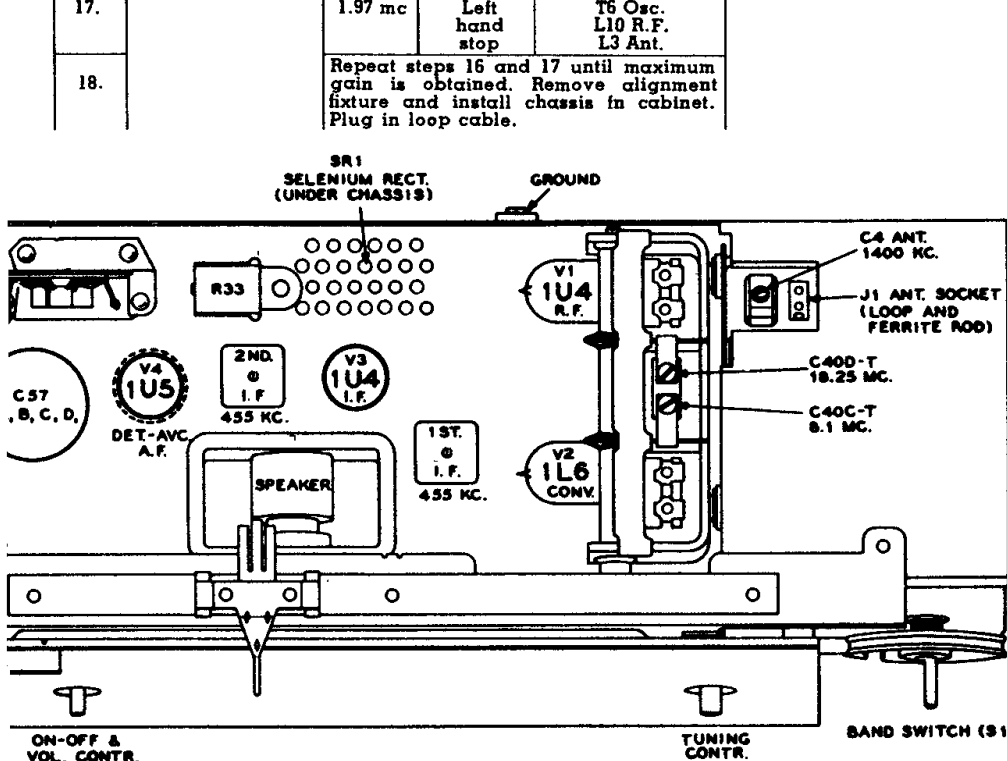
Close gang and set dial pointer to mark on dial plate. Turn volume and treble tone controls to maximum clockwise position. Turn bass tone control to maximum counterclockwise position.					
STEP	CONNECT HIGH SIDE OF SIG. GEN. TO—	SIGNAL GEN. OUTPUT	DIAL POINTER SETTING	ADJUST FOR MAXIMUM OUTPUT	
1.	Pin #6 of 1L6 Conv. thru 0.01 mid.	455 kc	"A" Band Quiet point near 1600 kc	T3 top and bottom cores	
2.				T2 top and bottom cores	
3.	Install bottom cover. Secure aluminum alignment fixture in place. Connect 24 mmfd. in series with 22 ohms between sig. generator lead and C39.				
4.	C39, term. 7 on S1D thru dummy load indicated	18.25 mc	16M Band Right hand stop	*C40D-T top of gang	
5.		17.5 mc	16M Band Left hand stop	T11 Osc.	
6.		17.8 mc	16M Band 17.8 mc Signal	Rock gang. — Peak L11 R.F. + L5 Ant.	
7.		14.9 mc	19M Band Left hand stop	T10 Osc.	
8.		15.2 mc	19M Band 15.2 mc Signal	Rock gang. — Peak L12 R.F. + L6 Ant.	
9.		11.55 mc	25M Band Left hand stop	T9 Osc.	
10.		11.8 mc	25M Band 11.8 mc Signal	Rock gang. — Peak L13 R.F. + L7 Ant.	
11.		9.45 mc	31M Band Left hand stop	T8 Osc.	
12.		9.6 mc	31M Band 9.6 mc Signal	Rock gang. — Peak L14 R.F. + L8 Ant.	
13.		8.1 mc	"C" Band Right hand stop	*C40C-T top of gang. C16 R.F. C7 Ant.	
14.		3.9 mc	"C" Band Left hand stop	T7 Osc. L9 R.F. L4 Ant.	
15.		Repeat steps 13 and 14 until maximum gain is obtained.			
16.		4.05 mc	"B" Band Right hand stop	C32 Osc. C18 R.F. C5 Ant.	
17.		1.97 mc	"B" Band Left hand stop	T6 Osc. L10 R.F. L3 Ant.	
18.	Repeat steps 16 and 17 until maximum gain is obtained. Remove alignment fixture and install chassis in cabinet. Plug in loop cable.				

19.	Short length of wire near receiver	1620 kc	"A" Band Right hand stop	C31 Osc.
20.		1400 kc	"A" Band 1400 kc Signal	C20 R.F. C4 Ant.
21.		600 kc	"A" Band 600 kc Signal	Rock gang, — Peak T5 Osc. trans., + T1 R.F.
22.		Repeat steps 19, 20 and 21 until maximum gain is obtained. Exchange loop antenna plug with external Ferrite Rod antenna plug. Extend cable to maximum.		
23.		1400 kc	"A" Band 1400 kc Signal	C43 Ferrite Rod Ant.

\*The tuning range and dial calibration of the succeeding bands depend upon the accuracy of this adjustment. Avoid aligning on image. The local oscillator is 455 kc higher in frequency than the RF on all bands.



Tuner Adjustment Locations—Oscillator and R.F.



Tuner Adjustment Locations—Antenna