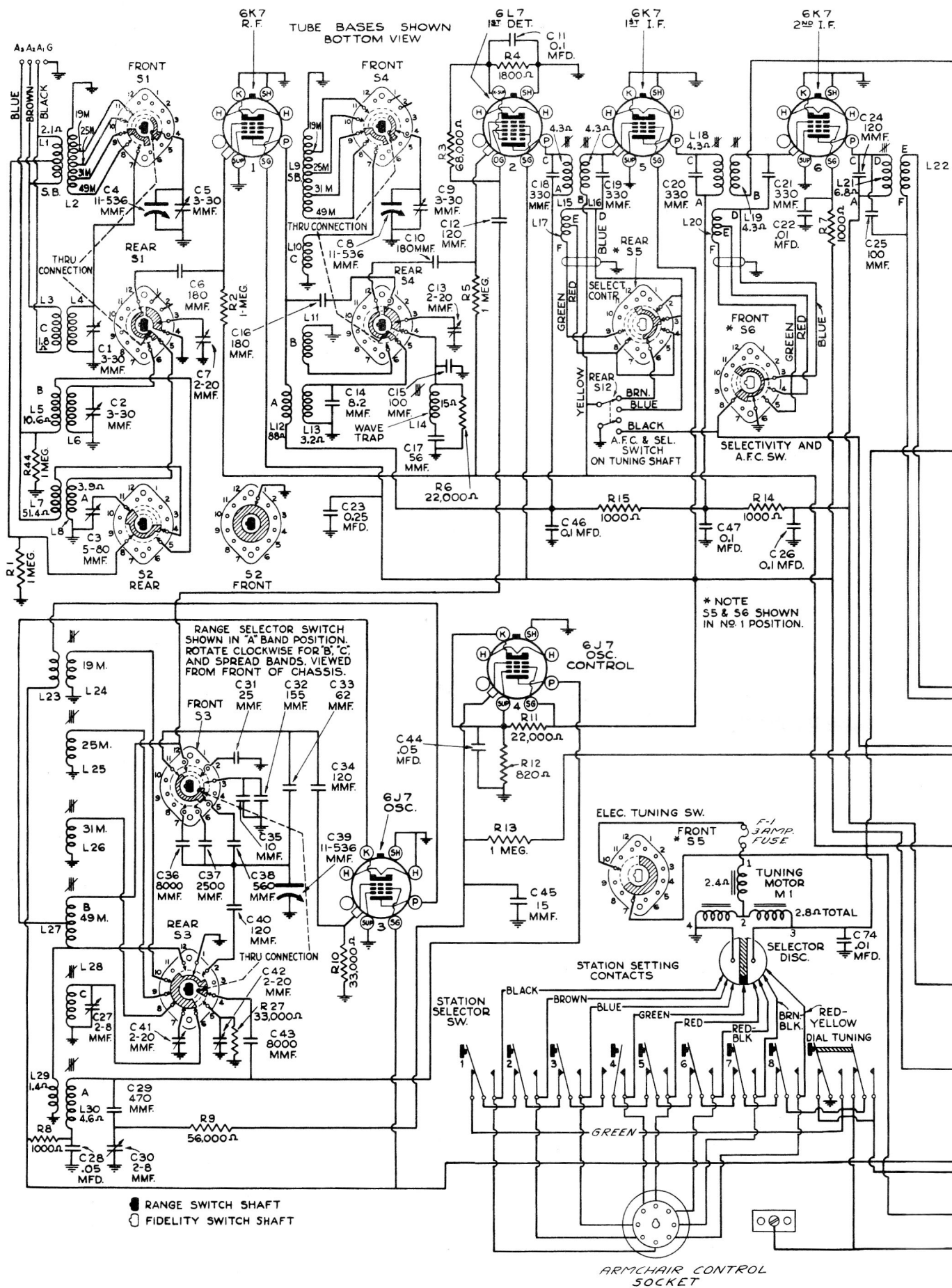
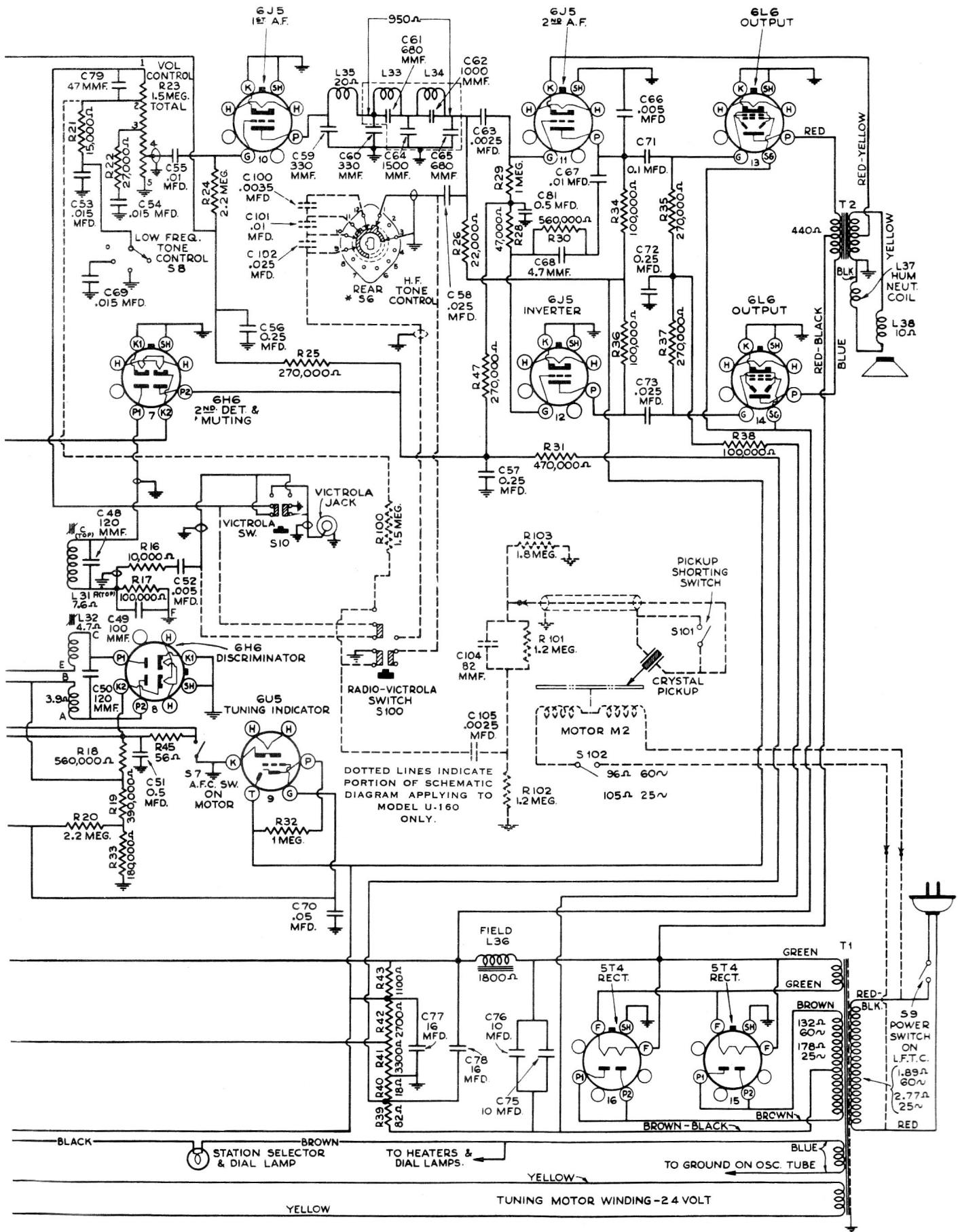


Model 916H.F. A.C. Receiver

Model U-160 RCA Victrola



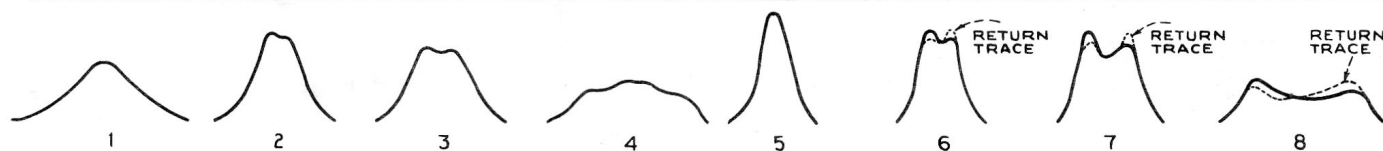
Model U-160 RCA Victrola



Schematic Circuit Diagram—Models 916 H.F., U-160.

Alignment Table (916H.F. & U-160)

Step	Connect High Side of Test Oscillator to—	Tune Test Oscillator to—	Range Selector	Set Tuning Gang to—	Adjust following for maximum peak output	Check for Selectivity Curve No.
1	Turn fidelity switch to maximum counter-clockwise (No. 1) position.					
2	6K7 2nd I-F Grid Cap in series with .01 mfd.	455 KC	"A"	Quiet Point Between 550 and 750 KC	L21 3rd I-F Trans. L31-L32 4th I-F Trans.	1
3	6K7 1st I-F Grid Cap in series with .01 mfd.	455 KC	"A"		L18, L19 2nd I-F Trans.	2
4	6K7 1st I-F Grid Cap in series with .01 mfd.	455 KC	"A"		Turn Fidelity Control Clockwise to No. 6 position	3
					Turn Fidelity Control Clockwise to No. 7 position	4
5	Turn Fidelity Control to maximum counter-clockwise (No. 1) position.					
6	6L7 1st Det. Grid in series with 300 ohms <i>Remove Grid Lead</i>	455 KC	"A"	Quiet Point Between 550 and 750 KC	L15, L16, 1st I-F Trans.	5
7	6L7 1st Det. Grid in series with 300 ohms	455 KC	"A"		Turn Fidelity Control Clockwise to No. 5 position	6
					Turn Fidelity Switch Clockwise to position No. 6	7
					Turn Fidelity Switch Clockwise to position No. 7	8
8	Turn Fidelity Control to maximum counter-clockwise (No. 1) position.					* NOTE: In Step 19 only, oscillator tracks on low side of signal; use maximum inductance peak (plunger in) if two peaks can be obtained. All other oscillator trimmers use minimum, inductance or capacity peak (plunger out), if two peaks can be obtained.
9	A2 in series with 100 mmf, A1 to Gnd.	600 KC	"A"	600 KC 29°	L30, osc.	
10	A2 in series with 100 mmf, A1 to Gnd.	1,500 KC	"A"	1,500 KC 152.5°	C30, osc.; C5, ant.; C9, det.	
11	A2 in series with 100 mmf, A1 to Gnd.	455 KC	"A"	600 KC 29°	L14, wave trap <i>Minimum output</i>	
12	A2 in series with 100 mmf, A1 to Gnd.	6,100 KC	"B"	6,100 KC 147°	C42, osc.; C2, ant.	
13	A2 in series with 100 mmf, A1 to Gnd.	2,440 KC	"B"	2,440 KC 15°	L27, osc.	
14	A2 in series with 100 mmf, A1 to Gnd.	6,100 KC	"B"	6,100 KC 147°	C42	
15	A2 in series with 47 ohms, A3 to Gnd.	20,000 KC	"C"	20,000 KC 156°	C27, osc.; C1, ant.	
16	A2 in series with 47 ohms, A3 to Gnd.	9,600 KC	"C"	9,600 KC 57°	L28, osc.	
17	A2 in series with 47 ohms, A3 to Gnd.	20,000 KC	"C"	20,000 KC 156°	C27, osc.	
18	A2 in series with 47 ohms, A3 to Gnd.	9,600 KC	"31M"	9,600 KC 99°	L26, osc.; C7, ant.; C13, det.	
19*	A2 in series with 47 ohms, A3 to Gnd.	6,100 KC	"49M"	6,100 KC 103°	C41, osc.	
20	A2 in series with 47 ohms, A3 to Gnd.	11,800 KC	"25M"	11,800 KC 90°	L25, osc.	
21	A2 in series with 47 ohms, A3 to Gnd.	15,200 KC	"19M"	15,200 KC 79°	L24, osc.	



I-F Selectivity Curves

