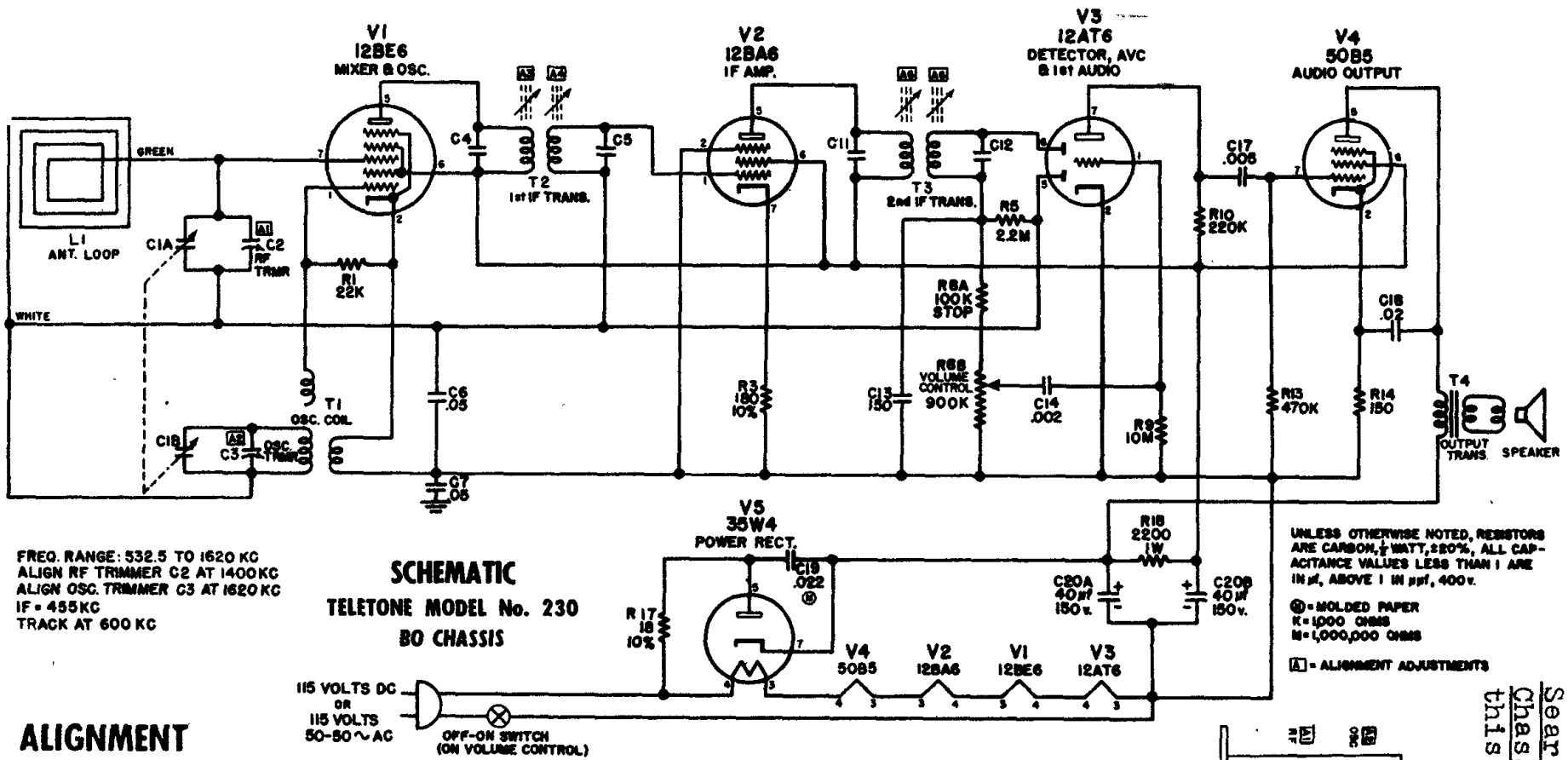
5 TUBE, AC-DC SUPERHETERODYNE RADIO RECEIVER

TELETONE MODEL NO. 230 — BO CHASSIS

Sears, Roebuck Sets Nos. 13 & 14, Chassis 478.239, are similar to this Tele-Tone model.



FREQ. RANGE: 532.5 TO 1620 KC
ALIGN RF TRIMMER C2 AT 1400 KC
ALIGN OSC. TRIMMER C3 AT 1620 KC
IF = 455 KC
TRACK AT 600 KC

SCHEMATIC

TELETONE MODEL No. 230

BO CHASSIS

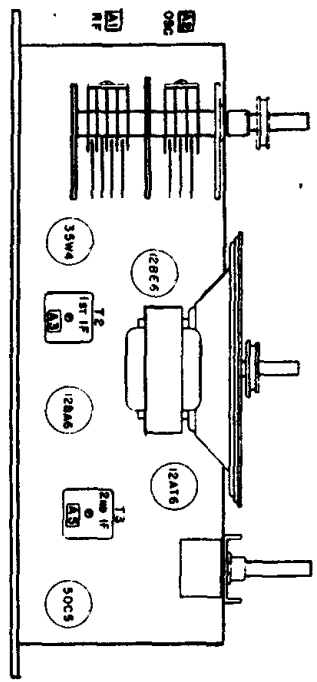
UNLESS OTHERWISE NOTED, RESISTORS ARE CARBON, ½ WATT, ±20%, ALL CAPACITANCE VALUES LESS THAN 1 ARE IN mf, ABOVE 1 IN μμf, 400 v.

M = MOLDED PAPER
K = 1,000 OHMS
M = 1,000,000 OHMS

A = ALIGNMENT ADJUSTMENTS

ALIGNMENT

	Position of Variable	SIGNAL GENERATOR				Trimmer Adjustments (in order shown) for maximum output
		Frequency	Dummy Antenna	Connection to Receiver	Ground Connection	
IF	Rotor full open (plates out of mesh)	455 Kc	.05 Mfd.	Grid of 12BE6 (pin 7)	Chassis	Input & output trimmers on IF cans A3 A4 A5 A6
RF	Rotor full open (plates out of mesh)	1620 Kc		*Test Loop	*Test Loop	Oscillator Trimmer A2
	1400 Kc	1400 Kc		*Test Loop	*Test Loop	Antenna Trimmer A1
	600 Kc	600 Kc		*Test Loop	*Test Loop	(Check Point)**



TOP VIEW OF CHASSIS

*Connect generator lead to Hazeltine Test Loop, Model 1150, placed two feet from the set loop, or three turns of wire about six inches in diameter, placed about one foot from the set loop.

**With a generator signal of 600 Kc, turn the set to the point where maximum output is obtained, which should be approximately 600 Kc on the dial. Adjust antenna section plates of variable for maximum output.

The alignment procedure should be done in the order given for greatest accuracy. Align for maximum output. Reduce input to keep output near 0.4 volts.