

Packard-Bell

Models 531, 532, and 533

SPECIAL SERVICING INFORMATION:

DC RESISTANCE MEASUREMENTS:

1st I-F Coil:

- Primary, 12 ohms
- Secondary, 13 ohms

2nd I-F Coil:

- Primary, 13 ohms
- Secondary, 13 ohms

Oscillator Coil:

- Primary, 1 ohm
- Secondary, 5.5 ohms

Loop Antenna:

- Resistance, 1 ohm

OSCILLATOR CATHODE VOLTAGES:

(Measured using AC vacuum tube voltmeter with an input impedance of more than 10 megohms. Line voltage 117 volts AC.)

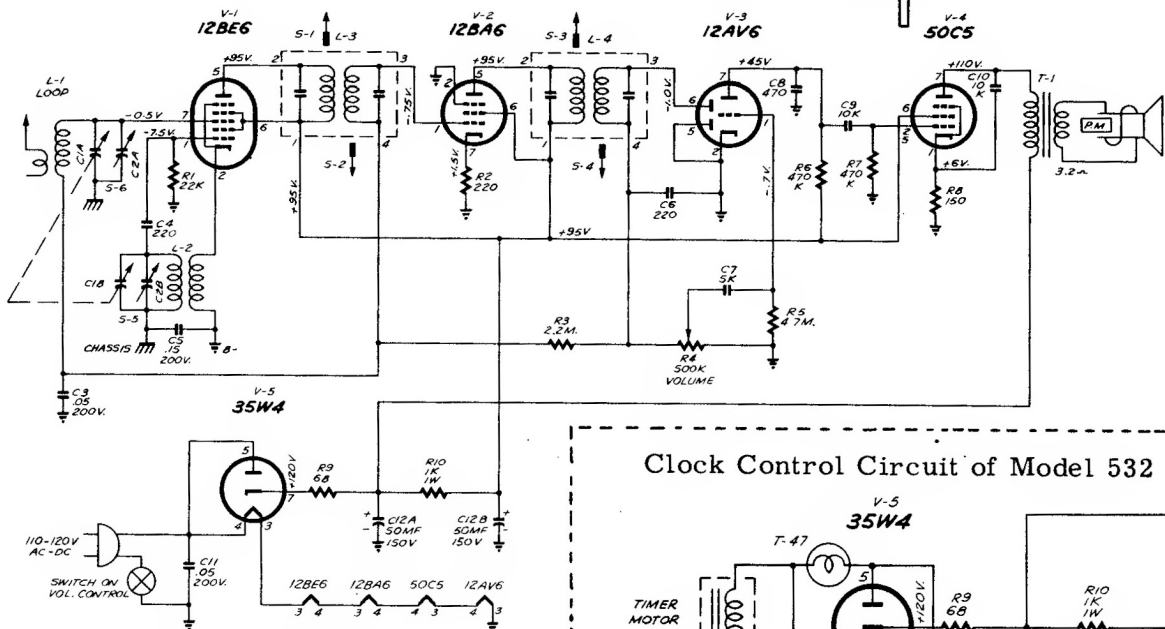
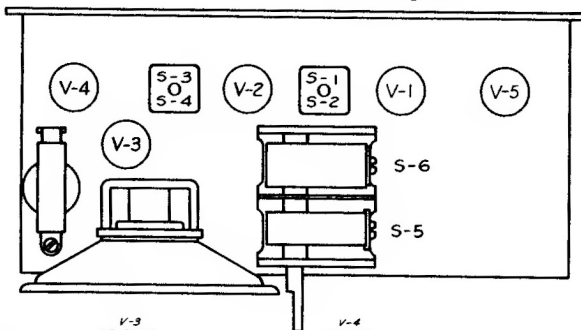
- 1500 Kc. 2.6 volts AC (rms)
- 1000 Kc. 2.3 volts AC
- 750 Kc. 2.1 volts
- 540 Kc. 2.0 volts

ALIGNMENT PROCEDURE:

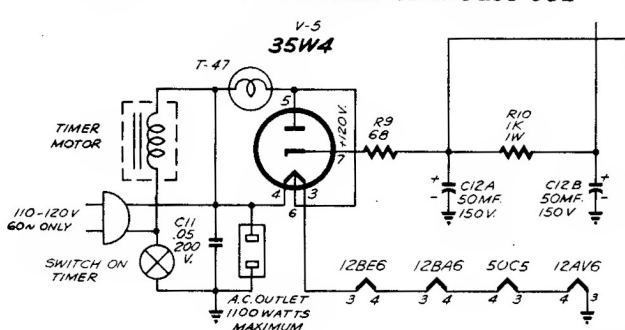
The alignment of the set is accomplished by following the steps in the chart below. Connect output meter to speaker voice coil. Use isolation transformer, if available, for shack protection.

Each adjustment should be made using a minimum input signal. Connect test oscillator through a .01 mfd capacitor to the point indicated below. Ground lead of oscillator is connected to B minus bus.

STEP	CONNECT TEST OSCILLATOR TO	TEST OSCILLATOR FREQUENCY	RADIO DIAL SETTING	ADJUST
1.	Pin 1, V-1 (12BE6)	455 Kc.	540 Kc.	S-1, S-2, S-3, & S-4 for MAX.
2.	Antenna Clip	1620 Kc.	1620 Kc.	S-5 for MAX.
3.	Antenna Clip	1500 Kc.	Tune to Osc. Signal	S-6 for MAX.



Clock Control Circuit of Model 532



Socket voltages measured as follows:

1. Line voltage, 117 volts AC.
2. Volume control at maximum.
3. VTVM between socket terminal and B minus bus.
4. Only DC voltages measured. Allow 10% tolerance.