

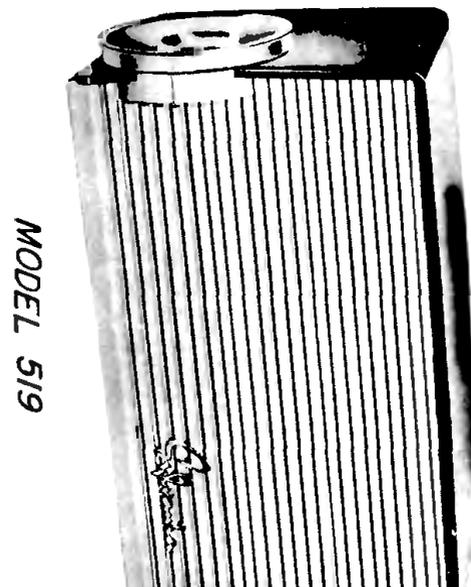
Voltage and Resistance measurement conditions unless otherwise specified:

1. Voltages measured to negative "B". All voltage and resistance readings taken with a Sylvania vacuum tube voltmeter.
2. Power source 117 volts 60 cycle AC ("Variac" regulated).
3. Loop antenna and speaker connected to chassis.
4. Tuning capacitor plates set to fully

closed position. Volume control set to maximum.

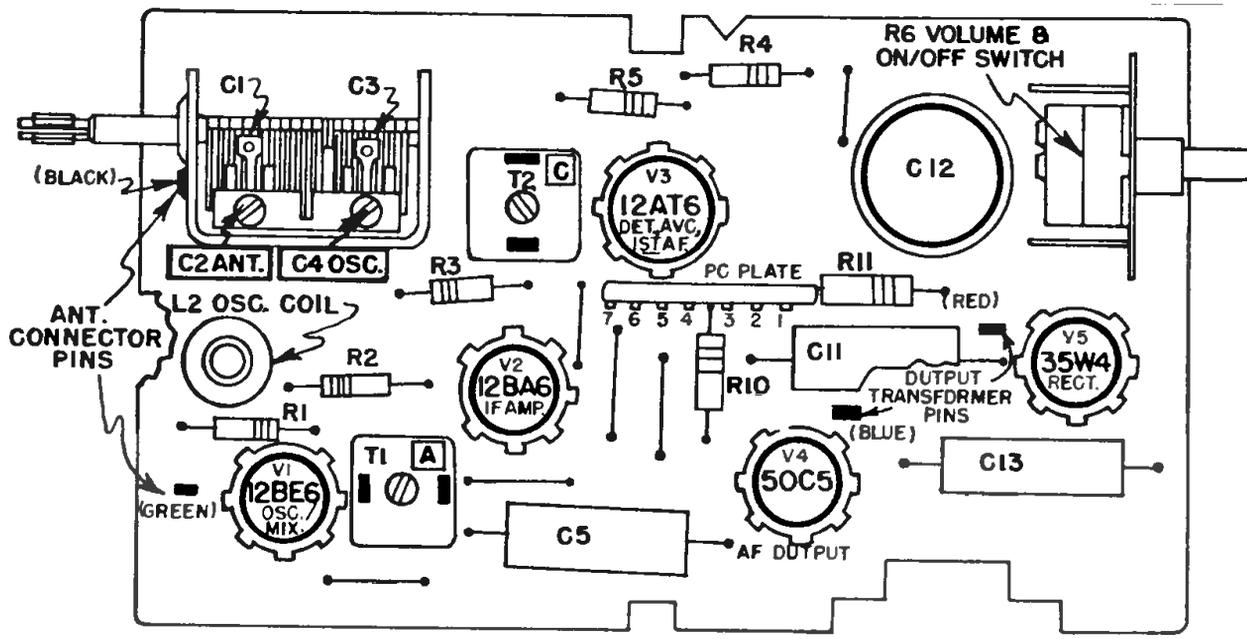
5. Voltage and resistance values shown are average readings. Variations may be noted due to normal production tolerances.
6. Voltage and resistance readings are not shown where too small.
7. Voltage readings marked "\*" are widely variable, dependent upon signal conditions.

**DESCRIPTION:** The 5151 and 519 radio models are similar to the 515 models in tube complement, electrical circuits, and general printed circuit construction. Principal differences include control shaft lengths, printed circuit foil layout and cabinet variations. The 5151 series cabinets are similar to 515 cabinets; however, the 519 series are completely new and feature "two-tone" color schemes.



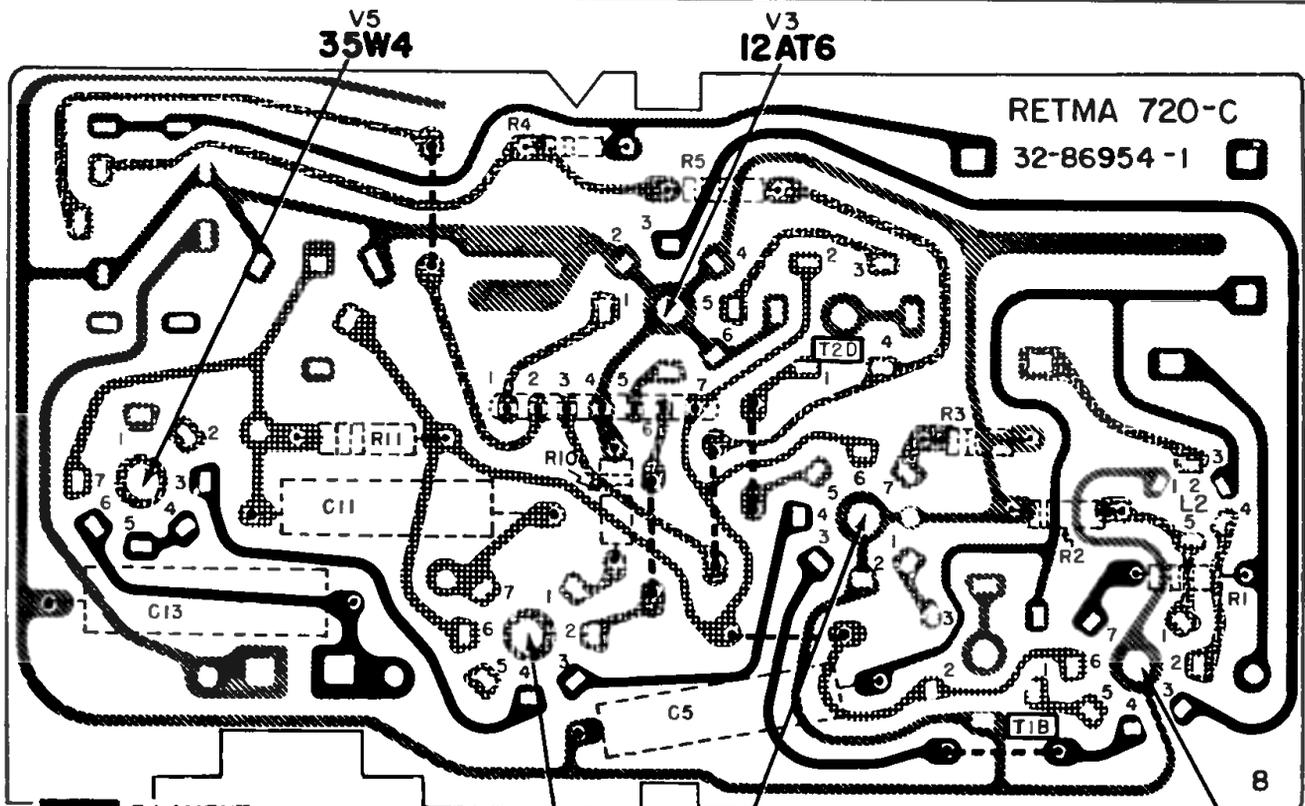
**SYLVANIA**

Models 515,  
519, and 5151,  
Chassis  
1-607-1, -2, -3



**PARTS LAYOUT - TOP**

STEP	ALIGNMENT SETUP NOTES	TEST EQUIPMENT HOOKUP	ADJUST
1.	Set variable tuning capacitor plates fully open (minimum capacity).	SIGNAL GENERATOR - "hot" lead through .1 mfd. capacitor to junction of R1 (22 ohm) and pin 7 of V1 (12BE6); ground lead to 12BA6 tube shield (negative "B"). Set generator to 455 KC.  AC VOLTMETER - across speaker voice coil.	T2-D for MAXIMUM output. T2-C for MAXIMUM output. T1-B for MAXIMUM output. T1-A for MAXIMUM output.  REPEAT for optimum performance.
2.	Set variable tuning capacitor plates fully open (minimum capacity).	SIGNAL GENERATOR - radiate signal to receiver through a loop of several turns of wire. Set generator to 1650 KC.  AC VOLTMETER - across speaker voice coil.	C4 trimmer for MAXIMUM output.
3.	Set variable tuning capacitor plates so plates are meshed approximately 3/16 inch. Adjust this setting slightly to eliminate any interfering signals.	SIGNAL GENERATOR - radiate signal to receiver through a loop of several turns of wire. Set generator to a frequency corresponding to receiver tuning capacitor setting (until signal is heard through receiver speaker).  AC VOLTMETER - across speaker voice coil.	C2 trimmer for MAXIMUM output.



- FILAMENT
- B+ VOLTAGES
- NEGATIVE "B"
- AVC
- MISCELLANEOUS

**PARTS LAYOUT - BOTTOM**

Models 519 and 5151