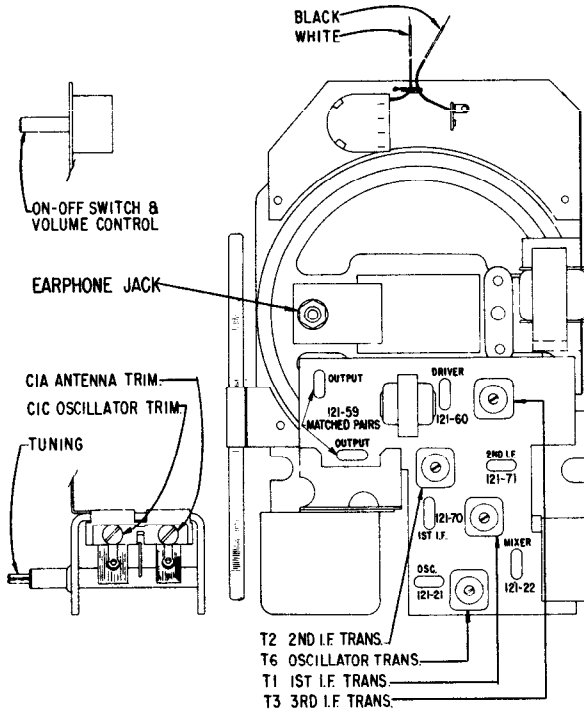


# ZENITH RADIO MODEL "ROYAL 700L" CHASSIS 7AT43 & 7AT43Z3



### RESISTANCE MEASUREMENTS

When making resistance measurements in the circuit, it is most important to remove the transistors in the circuit under test otherwise readings obtained will be incorrect. This is the direct result of a transistor acting as a diode.

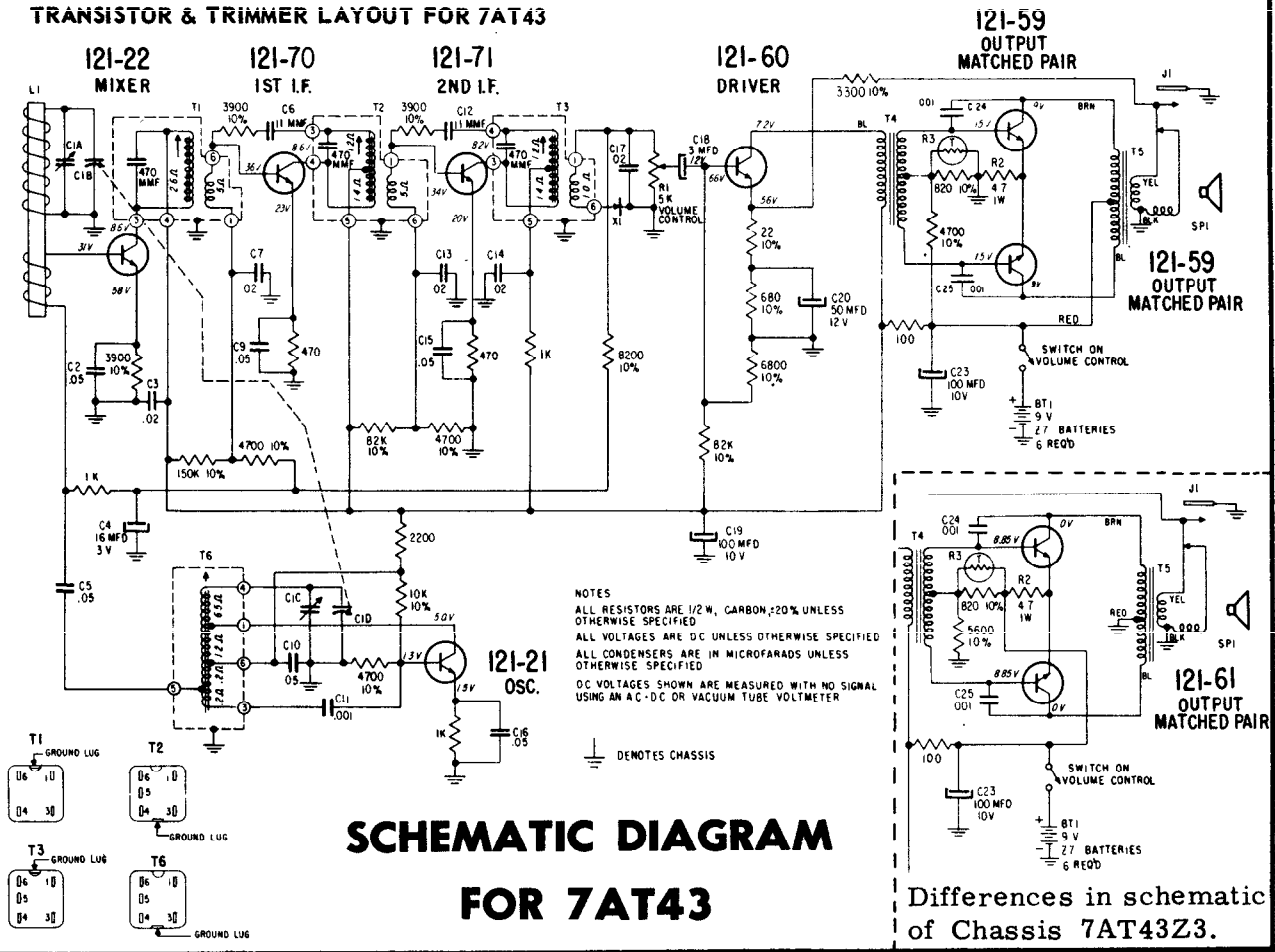
In addition to this, it is important to know the internal battery voltage of the ohm meter as well as battery polarity of the meter leads since incorrectly placing ohm meter leads across an electrolytic condenser with low working voltage may damage the capacitor due to excessive reverse current or excessive voltage.

### VOLTAGE READINGS

It is suggested that a VTVM with an excellent low range scale be used to measure all circuit voltages. All voltages indicated on the accompanying diagram have been measured under no signal conditions and a battery supply voltage of nine volts. Under these no signal conditions, a check can be made of the batteries. The total voltage should be nine volts.

Use alignment table on page 182 for this model also.

### TRANSISTOR & TRIMMER LAYOUT FOR 7AT43



NOTES  
 ALL RESISTORS ARE 1/2 W, CARBON, ±20% UNLESS OTHERWISE SPECIFIED  
 ALL VOLTAGES ARE DC UNLESS OTHERWISE SPECIFIED  
 ALL CONDENSERS ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED  
 DC VOLTAGES SHOWN ARE MEASURED WITH NO SIGNAL USING AN AC-DC OR VACUUM TUBE VOLTMETER

## SCHMATIC DIAGRAM FOR 7AT43

Differences in schematic of Chassis 7AT43Z3.