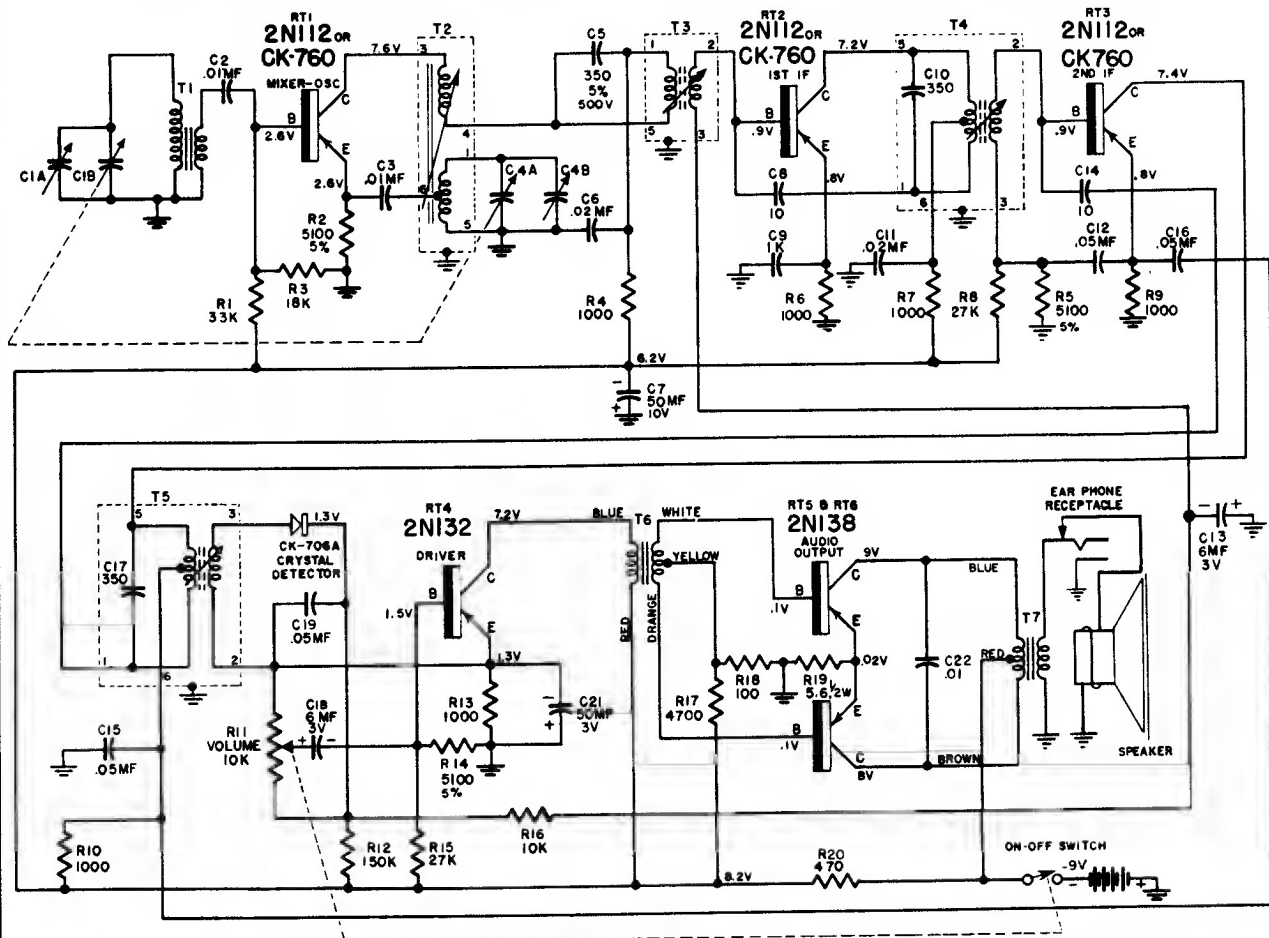




RAYTHEON MANUFACTURING COMPANY

## 6RT1 CHASSIS

MODELS: T-150-1, T-150-2, T-150-3, T-150-4, & T-150-5



R17 changed from 4700 ohm to 3900 ohm, 1/4 watt, 10%.

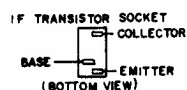
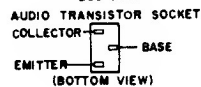
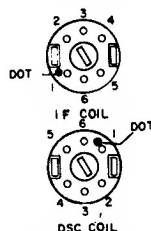
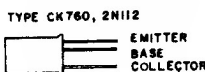
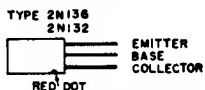
### BATTERY REPLACEMENT

The battery should be the first component checked when the radio is presented for service, since the battery voltage decreases with use and age. The battery voltage should be checked at the battery cable connections with the receiver turned on, and after at least five minutes of operation. Batteries have a tendency to reactivate (re-charge) when not in use, and a true test of the batteries capabilities can not be determined until sufficient current has been drawn from the battery. If the battery is found to be dead, the receiver should be checked for a short circuit before the replacement battery is installed. Disconnect battery and measure resistance with an ohmmeter at the battery cable connections. Ohmmeter will indicate approximately 2100 ohms with positive lead to chassis, approximately 170 ohms with negative lead to chassis and approximately 3200 ohms with all transistors out of circuit with either meter lead to chassis. Battery replacement should be performed when the sound output is noticed to be muffled or distorted with a decrease in total output.

### NOTES

RESISTOR VALUES ARE IN OHMS, 1/4 WATT, 10% TOLERANCE, UNLESS OTHERWISE SHOWN

CAPACITOR VALUES ARE IN MICRO-MICROFARADS UNLESS OTHERWISE SHOWN DC WORKING VOLTAGE IS 25V UNLESS OTHERWISE SHOWN DC VOLTAGE READINGS TAKEN WITH VTVM, NO SIGNAL IN INPUT AND BATTERY VOLTAGE -9VDC. VOLTAGES WILL VARY WITH TRANSISTOR CHANGES. ALL VOLTAGES ARE NEGATIVE.



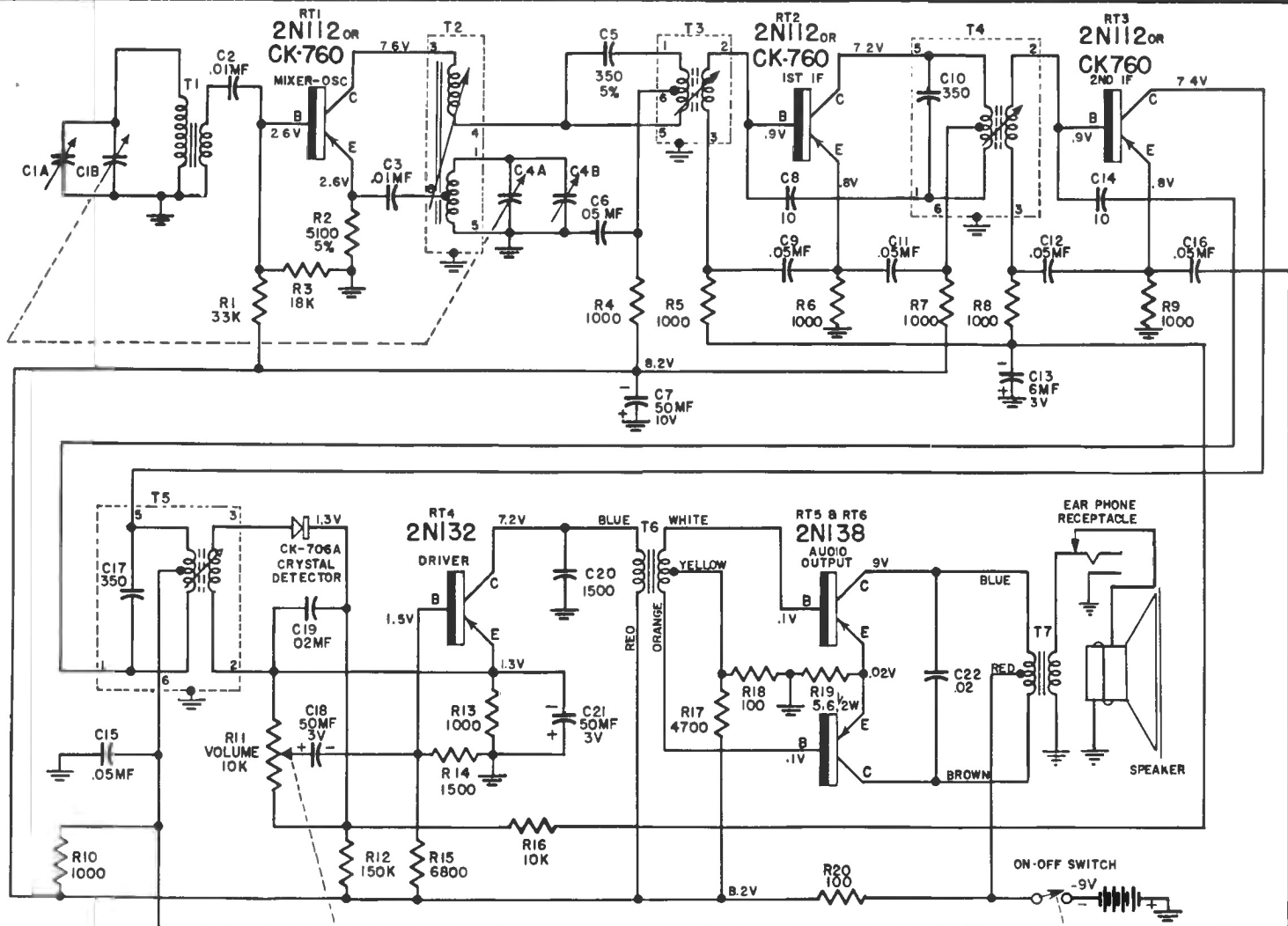
### OHMMETER READINGS

When using an ohmmeter to check continuity and resistance readings, caution must be observed. It is important to know the internal battery voltage of the ohmmeter as damage could result due to excessive voltage being applied to the circuit by the ohmmeter.

# RAYTHEON MANUFACTURING COMPANY

## 6RT1 CHASSIS

MODELS T-150-1, T-150-2, T-150-3, T-150-4 and T-150-5



RESISTOR VALUES ARE IN OHMS, 1/4 WATT, 10% TOLERANCE, UNLESS OTHERWISE SHOWN.

CAPACITOR VALUES ARE IN MICRO-MICROFARADS UNLESS OTHERWISE SHOWN DC WORKING VOLTAGE IS 25V UNLESS OTHERWISE SHOWN

DC VOLTAGE READINGS TAKEN WITH VTVM, NO SIGNAL IN INPUT AND BATTERY VOLTAGE - 9VDC. VOLTAGES WILL VARY WITH TRANSISTOR CHANGES ALL VOLTAGES ARE NEGATIVE.

TYPE 2N138  
2N132

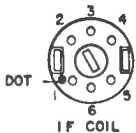


EMITTER  
BASE  
COLLECTOR

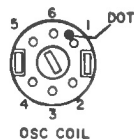
TYPE CK760, 2N112



EMITTER  
BASE  
COLLECTOR

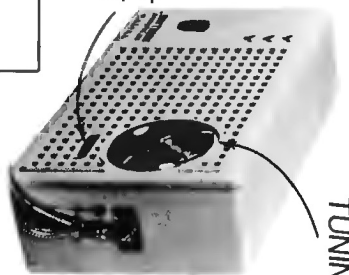


IF COIL



OSC COIL

ON-OFF  
VOLUME



TUNING