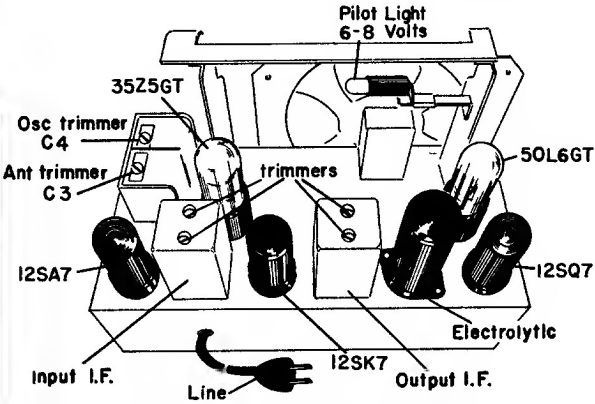
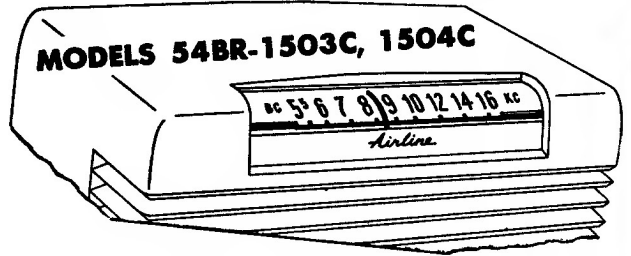


MONTGOMERY WARD

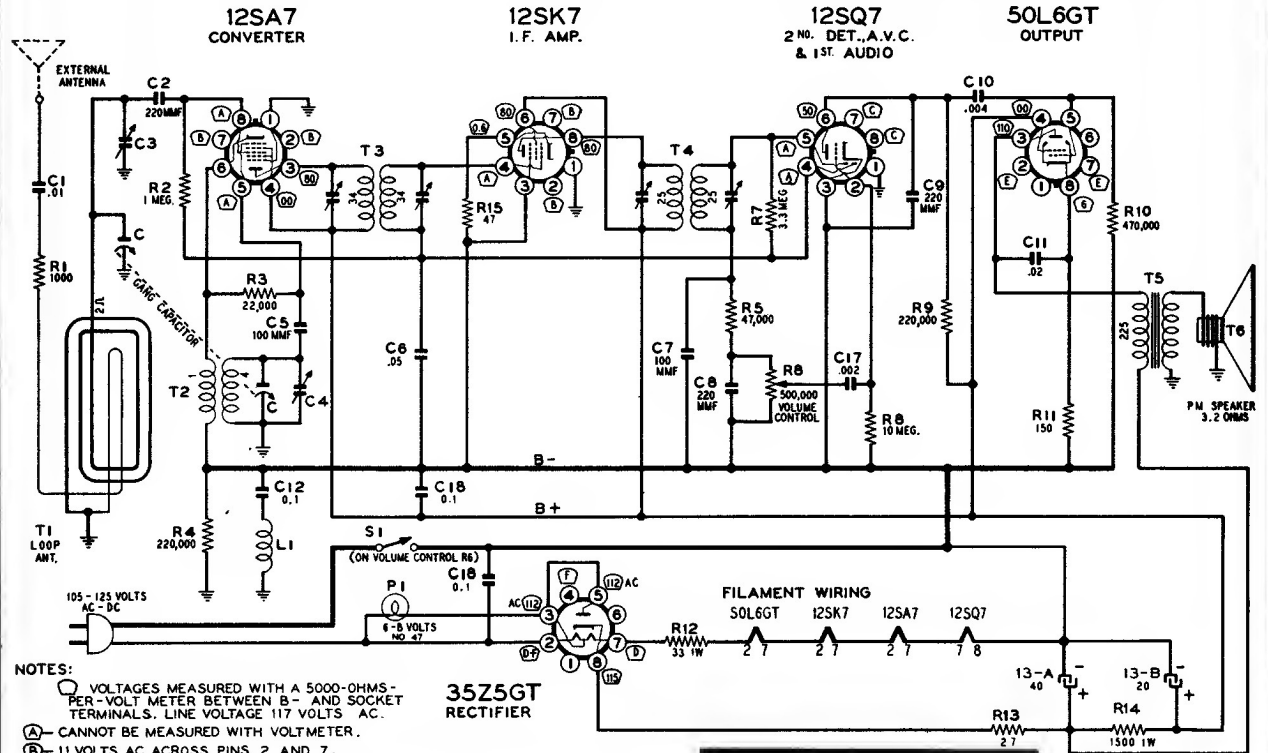
MODELS 54BR-1503C, 1504C



Replace a defective metal 12SK7 tube with another metal tube. Replace a glass 12SK7 tube with a metal tube or with an exact duplicate of the tube now in the set.

SIGNAL GENERATOR

Frequency	Coupling Capacitor	Connection to Radio	Ground Connection	TUNER SETTING	ADJUST TRIMMERS TO MAXIMUM OUTPUT in order shown
455 kc	0.1 mf	Grid (pin 4) of 12SK7	Pin 3 of 12SK7 (B- of set)	Capacitor full open (plates out of mesh)	2 trimmers on output IF can
455 kc	0.1 mf	Grid (pin 8) of 12SA7	Pin 3 of 12SK7 (B- of set)	Capacitor full open (plates out of mesh)	2 trimmers on input IF can
1630 kc	0.1 mf	Grid (pin 8) of 12SA7	Pin 3 of 12SK7 (B- of set)	Capacitor full open (plates out of mesh)	Oscillator trimmer C4 on gang
1400 kc	200 mmf	External antenna clip	Pin 3 of 12SK7 (B- of set)	Set dial pointer at 1400 kc	Antenna trimmer C3 on gang



NOTES:
 ○ VOLTAGES MEASURED WITH A 5000-OHMS-PER-VOLT METER BETWEEN B- AND SOCKET TERMINALS. LINE VOLTAGE 117 VOLTS AC.
 (A) CANNOT BE MEASURED WITH VOLT METER.
 (B) 11 VOLTS AC ACROSS PINS 2 AND 7.
 (C) 11 VOLTS AC ACROSS PINS 7 AND 8.
 (D) 35 VOLTS AC ACROSS PINS 2 AND 7.
 (E) 49 VOLTS AC ACROSS PINS 2 AND 7.
 (F) 117 VOLTS AC ACROSS PINS 2 AND 4.
 WHERE NO READING IS INDICATED VOLTAGE IS ZERO.

**35Z5GT
RECTIFIER**

CAPACITOR VALUES IN MFD UNLESS OTHERWISE INDICATED.
 RESISTOR AND COIL VALUES IN OHMS.
 WHERE VALUE OF COIL IS NOT SHOWN, RESISTANCE IS LESS THAN ONE OHM.

WARDS