MONTGOMERY WARD

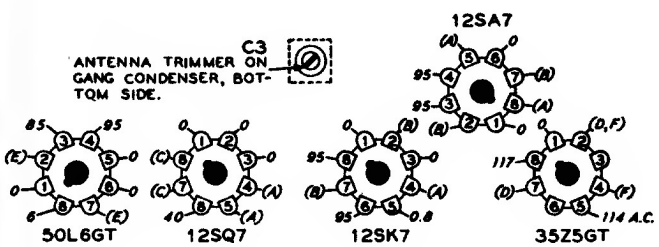
MODEL 54BR-1505A
MODEL 54BR-1506A

- Volume control setting—Maximum (extreme clockwise) for all adjustments.
- Connect ground lead of signal generator to B— of radio chassis through a 0.1 mfd. condenser.
- The loop antenna should be connected to the radio and in its proper position when making all adjustments.

ALIGNMENT	Signal Generator Frequency Setting	Dummy Antenna	Connection to Radio	Variable Condenser Setting	Trimmer Adjusted to Maximum
I. F.	455 Kc.	.1 mfd.	Grid of 12SK7 I. F.	Rotor full open (Plates out of mesh)	Two trimmers on top of Output I. F.
	455 Kc.	.1 mfd.	Grid of 12SA7 Mixer	Rotor full open (Plates out of mesh)	Two trimmers on top of Input I. F.
BROADCAST	1600 Kc.	200 mmf.	Grid of 12SA7	Rotor full open (Plates out of mesh)	B.C. Osc. trimmer C2 on Gang
	1400 Kc.	200 mmf.	External Antenna and B—	Set Dial at 1400 K. C.	B.C. Ant. trimmer C3 under Gang

A-CANNOT BE MEASURED BY VOLTMETER
B-11 VOLTS A.C. ACROSS PINS 2 AND 7
C-11 VOLTS A.C. ACROSS PINS 7 AND 8
D-33 VOLTS A.C. ACROSS PINS 2 AND 7
E-48 VOLTS A.C. ACROSS PINS 2 AND 7
F-117 VOLTS A.C. ACROSS PINS 2 AND 4

ALL VOLTAGES MEASURED WITH A 1000-OHMS/VOLT VOLTMETER BETWEEN TERMINAL INDICATED AND B-. LINE VOLTAGE 117 VOLTS A.C.



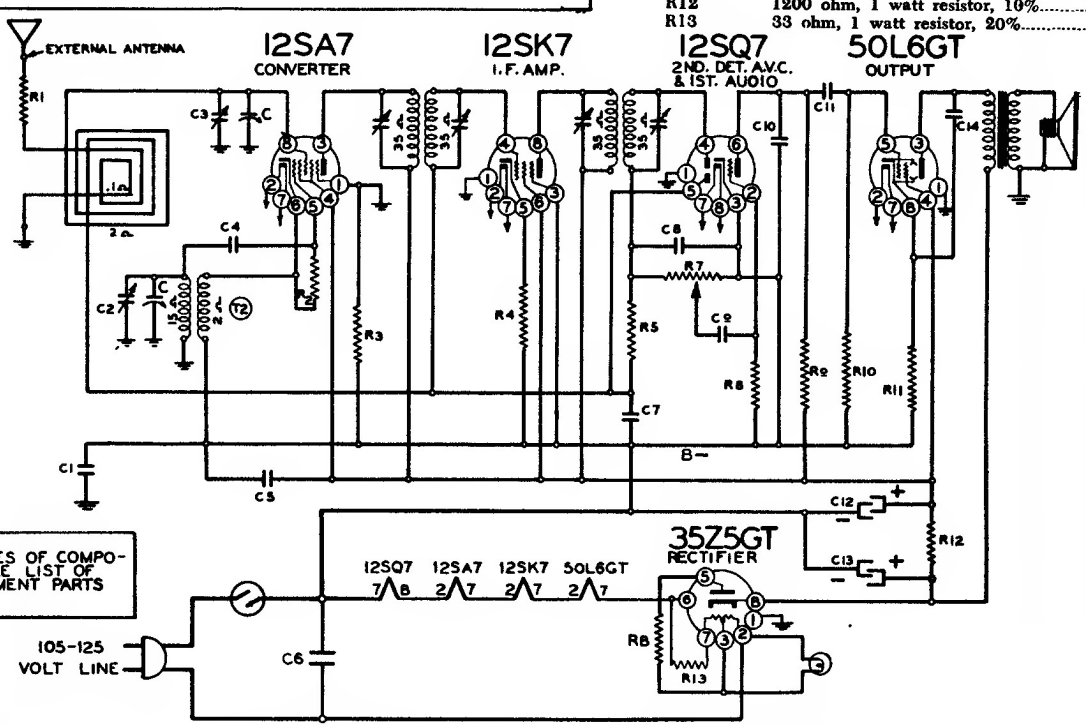
BOTTOM VIEW OF CHASSIS

CONDENSERS

C1	.2 x 400 volt tubular condenser
C4	.0002 mica type condenser, 20%
C5, C7	.05 x 200 volt tubular condenser
C6	.1 x 400 volt tubular condenser
C8	.0001 mica type condenser, 20%
C9	.002 x 600 volt tubular condenser
C10	.00025 mica type condenser, 20%
C11	.004 x 600 volt tubular condenser
C12, C13	Electrolytic filter condenser, 50 to 60 cycles, 20 mfd.—40 mfd. x 150 volts
C12, C13	Electrolytic filter condenser, 25 cycles, 40 mfd.—60 mfd. x 150 volts
C14	.02 x 400 volt tubular condenser

RESISTORS*

R1	1.000 ohm, ½ watt resistor, 20%
R2	47,000 ohm, ½ watt resistor, 10%
R3	220,000 ohm, ½ watt resistor, 20%
R4	47 ohm, ½ watt resistor, 10%
R5	3.3 megohm, ½ watt resistor, 20%
R6	22 ohm, ½ watt resistor, 10%
R8	4.7 megohm, ½ watt resistor, 20%
R9	470,000 ohm, ½ watt resistor, 20%
R10	680,000 ohm, ½ watt resistor, 20%
R11	150 ohm, ½ watt resistor, 10%
R12	1200 ohm, 1 watt resistor, 10%
R13	33 ohm, 1 watt resistor, 20%



FOR VALUES OF COMPONENTS SEE LIST OF REPLACEMENT PARTS