

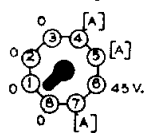
Belmont Radio Model 533

### BOTTOM VIEW OF CHASSIS

VOLTAGES MEASURED WITH 1000 OHM PER VOLT VOLT-METER BETWEEN SOCKET TERMINALS AND B -

NOTE: SWITCH SHOULD BE IN RADIO POSITION AND SET CONNECTED TO 117V. 60 CYCLE A.C. SUPPLY SOURCE. NO SIGNAL AND VOLUME CONTROL IN MINIMUM POSITION.

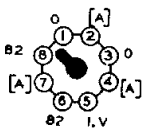
12SQ7



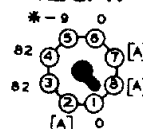
[A] CANNOT BE MEASURED WITH D.C. VOLT-METER.  
[B] POINTS OF LINE CONTACT.

\* OSC. VOLTAGE TO BE MEASURED WITH R.F. CHOKE IN SERIES WITH VOLT-METER LEAD.

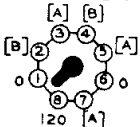
12SK7



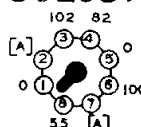
12SA7



35Z5GT



50L6GT



### REAR OF CHASSIS

### Circuit Diagram Ref. No.

### Part No.

### Description

#### RESISTORS

R1	130176	20M ohm— $\frac{1}{2}$ w.
R2	130118	600M ohm— $\frac{1}{2}$ w.
R3	130118	600M ohm— $\frac{1}{2}$ w.
R4	13056	100 ohm— $\frac{1}{2}$ w.
R5	130170	3 megohm— $\frac{1}{2}$ w.
R6	13012	50M ohm— $\frac{1}{2}$ w.
R7	101217	$\frac{1}{2}$ megohm—volume control
R8	130257	5 megohm— $\frac{1}{2}$ w.
R9	130215	25 ohm— $\frac{1}{2}$ w.
R10	1309	200M ohm— $\frac{1}{2}$ w.
R11	13037	750M ohm— $\frac{1}{2}$ w.
R12	130166	150 ohm— $\frac{1}{2}$ w.
R13	13097	200 ohm— $\frac{1}{2}$ w.
R14	130287	1200 ohm—1 watt
R15	1309	200M ohm— $\frac{1}{2}$ w.
R16	1309	200M— $\frac{1}{2}$ w.

#### CONDENSERS

C1	1295	.0001 Mica Condenser
C2	129114	.0003 mfd. mica
C3	124136	Antenna Trimmer
C4	124136	Oscillator Trimmer
C5	1295	.0001 mica
C6	1009	.05 x 200 v
C7	1295	.0001 mica
C8	10025	.002 x 600 v.
C9	100119	.1 x 400 v.
C10	1001	.1 x 400 v.
C11	12912	.00025 mica
C12	10019	.006 x 600 v.
C13	11994	40 mfd. lytic—150 w. v.
C14	11994	20 mfd. lytic—150 w. v.
C15	11994	20 mfd. lytic—150 w. v.
C16	10011	.01 x 400 v.
C17	129162	.0008 Mica Condenser
C18	129163	.000025 Ceramicon Condenser

C3 and C4 in same unit  
C13, C14 and C15 are in same unit

#### PARTS

T1	112767	Antenna Coil—Permeability assembly complete
T2	112767	Oscillator Coil
T3	108140F	Input I. F. Coil—465 kc.
T4	108145D	Output I. F. Coil—465 kc.
T5	105108	Output Transformer
T6	114193	5" P.M. Speaker
T7	104206	Phono Motor
T8	12228	Turntable
T9	114194	Phono pick up arm
S1	125113	Phono Switch
S2		Switch on volume control
P1	107249	Pilot light T47

T1 and T2 in same unit

### SERVICE NOTES:

Voltages taken from different points of circuit to chassis are measured with volume control at minimum, all tubes in their sockets and speaker connected, with a volt meter having a resistance of 1000 ohms per volt.

All voltages as indicated on the voltage chart are measured with 117 volt 60 cycle A.C. line.

**CAUTION:**—No aligning adjustments should be attempted without first thoroughly checking over all other possible causes of trouble, such as poor installations, open or grounded antenna systems, low line voltage, defective tubes, condensers and resistors. In order to properly align this radio, the chassis should be removed from the cabinet.