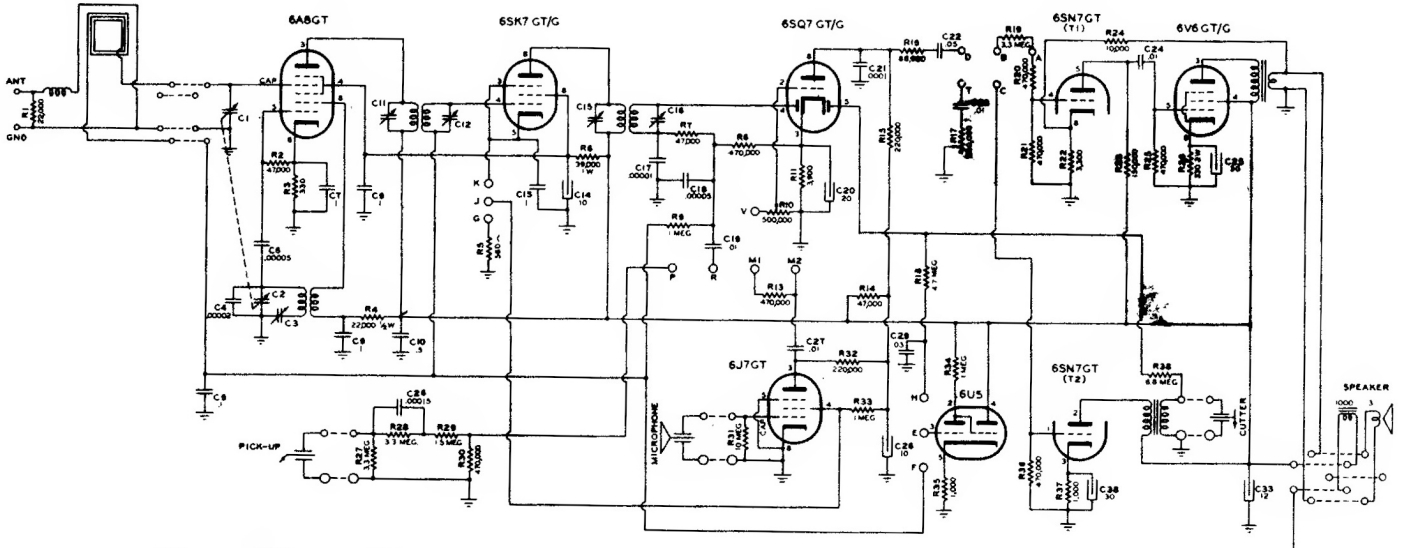
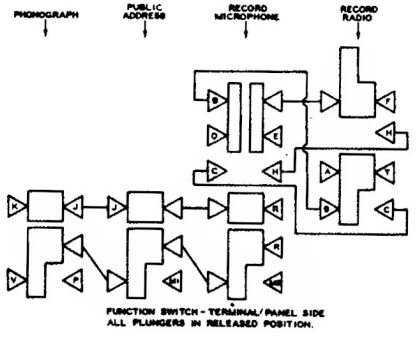
WILCOX-GAY CORPORATION—CHARLOTTE, MICHIGAN

Models 6B10-6B20-6B30-6B32

Schematic Diagram—Serial Numbers 701, 752 to 703, 631





FUNCTION SWITCH - TERMINAL/PANEL SIDE
ALL PLUNGERS IN RELEASED POSITION.

TYPICAL VOLTAGE CHART

TUBE	VOLTAGE TO GROUND PIN NO.							
	1	2	3	4	5	6	7	8
6A8	0	0	240	80	-10	150	6.3 AC	2.8
6SK7	0	0	3.3		6.3	80	6.3 AC	240
6SN7	0	232	6.5	0	55	1.9	6.3 AC	0
6SQ7	0	0	1.8	0	0	58	6.3 AC	0
6V6	0	0	225	240	0	240	6.3 AC	13
6J7	0	0	80	3.3	0	180	3AC	0
5Y3	0	320		305 AC		305 AC		320
6E5	0	6	0	240	1	6.3 AC		

MEASURED WITH 1000 OHMS PER VOLT METER.
SCALES USED - 6-30-150-300
ALL PLUNGERS IN RELEASED POSITION.

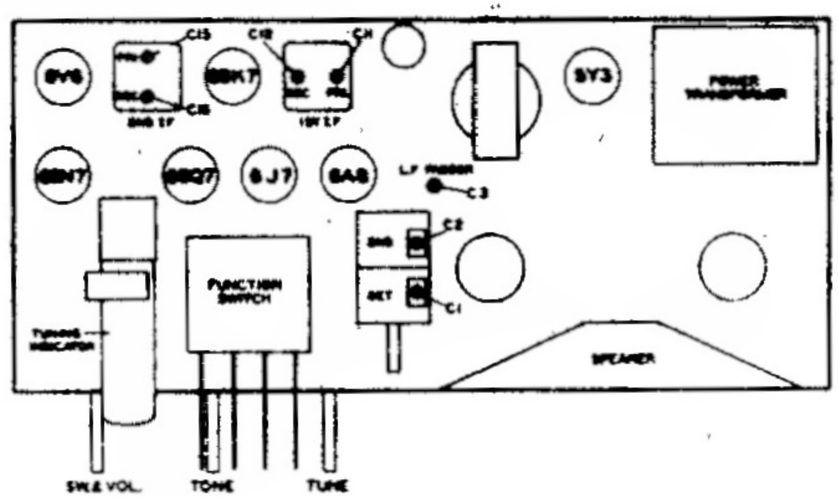
FUNCTION	SWITCH CONTACTS CLOSED			
RADIO	K-J-G	V-R	O-B-A-T	E-F
RECORD RADIO	K-J-G	V-R	O-B-C	E-H
PHONOGRAPH	J-G	V-P	O-B-A-T	E-F
PUBLIC ADDRESS	K-J	V-MI	O-B-A-T	E-F
RECORD MICROPHONE	K-J	V-M2	O-C	E-H

An OUTPUT METER or other indication device should be used for accuracy in making ganging adjustments. If an output meter is not available, the tuning indicator may be used as an output indicator. Resonance of the circuits will be indicated by the maximum closing of the tuning eye.

Alignment data continued on the next page.

Alignment Data — Models 6B10, 6B20, 6B30, 6B32, 6B40

1. Connect signal generator to control grid of 6A8 tube
2. Set volume control to near maximum.
3. Set tuning dial at 1500 K.C.
4. Set signal generator at 456 K.C.
5. Align trimmers in the following order:



1. Secondary 2nd I.F. (C16)
2. Primary 2nd I.F. (C15)
3. Secondary 1st I.F. (C12)
4. Primary 1st I.F. (C11)

Repeat procedure to obtain greatest accuracy in the adjustment of the trimmer condensers.

6. Connect signal generator to the ANT and GND leads.
7. Turn condenser gang to full maximum capacity and check position of dial pointer with reference line on the scale which is the last graduation below the 550 K.C. calibration.

SIGNAL GENERATOR FREQUENCY	DIAL SETTING	TRIMMER
600 K.C.	600 K.C.	L.F. Pad (C3)
1400 K.C.	1400 K.C.	Osc. (C2)
1400 K.C.	1400 K.C.	Det. (C1)