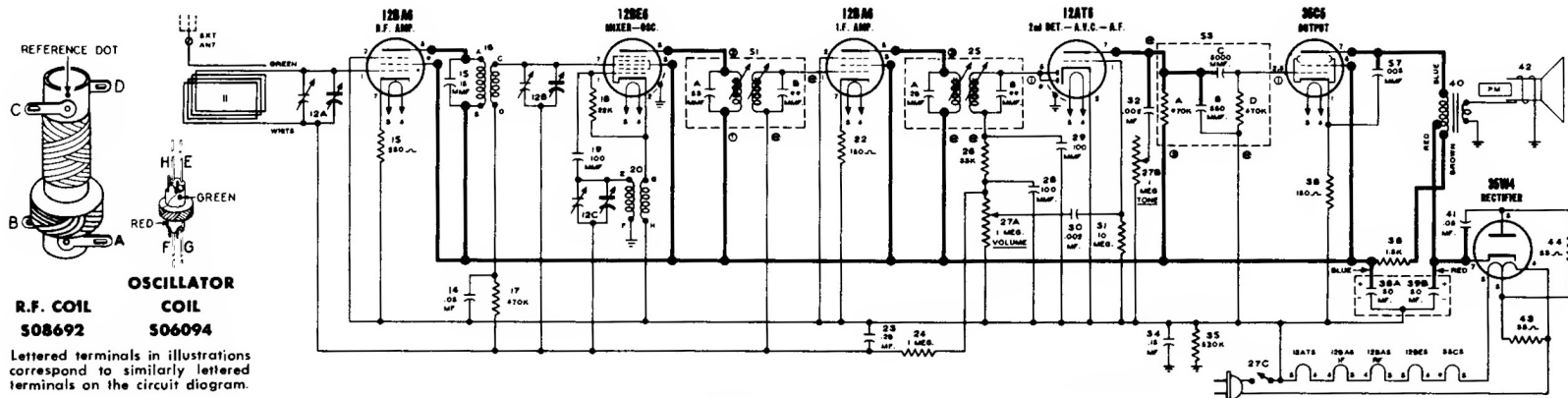
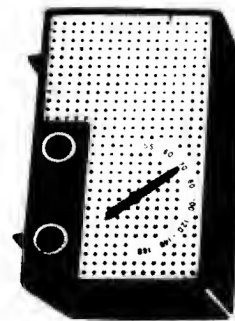




PARTS LIST

DIA-GRAM NO.	PART NO.	DESCRIPTION	DIA-GRAM NO.	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
CONDENSERS			RESISTORS—Continued			MISCELLANEOUS—Continued	
12-A,B,C	520388	Condenser—variable gang (includes drum)	33-A	505858	Resistor—carbon 470,000 Ohms 1/5 watt (Part of Audio Coupling Unit)	508235	Clip—retains cabinet back
14	512016	Condenser—.02 Mfd. 400 volt	33-D	505858	Resistor—carbon 470,000 Ohms 1/5 watt (Part of Audio Coupling Unit)	117057	Cord—dial drive (2 ft. required) per ft.
15	513405	Condenser—ceramic 15 Mmfd. 500 volt (Temperature Compensating)	35	510179	Resistor—carbon 220,000 Ohms 1/2 watt	520387-A	Knob—"TONE" for Model 9165-A (Yellow)
19	512503	Condenser—mica 100 Mmfd. 500 volt	36	510121	Resistor—carbon 150 Ohms $\pm 10\%$ 1/2 watt	520387-B	Knob—"TONE" for Model 9165-B (Tan)
21-A	505867	Condenser—ceramic 66 Mmfd. (Part of 1st I.F. transformer)	38	510240	Resistor—carbon 1500 Ohms 1 watt	520385-A	Knob—"TUNING" for Model 9165-A (Black and Yellow)
21-B	505867	Condenser—ceramic B3 Mmfd. (Part of 1st I.F. transformer)	43,44	510210	Resistor—carbon 33 Ohms 1 watt	520385-B	Knob—"TUNING" for Model 9165-B (Rust and Tan)
23	512016	Condenser—.02 Mfd. 400 volt	COILS AND TRANSFORMERS			520386-A	Knob—"VOLUME ON" for Model 9165-A (Black)
25-A	505867	Condenser—ceramic B3 Mmfd. (Part of 2nd I.F. transformer)	11	508740	Loop antenna	520386-B	Knob—"VOLUME ON" for 9165-B (Rust)
25-B	505867	Condenser—ceramic 66 Mmfd. (Part of 2nd I.F. transformer)	16	508692	Coil—R.F.	520384-A	Pointer for Model 9165-A (Black)
28,29	512503	Condenser—mica 100 Mmfd. 500 volt	20	506094	Coil—oscillator	520384-B	Pointer for Model 9165-B (Rust)
30	512002	Condenser—.002 Mfd. 600 volt	21	505867	Transformer—1st I.F. (Includes condensers 21-A and 21-B)	520186	Rubber washer for mounting front panel to cabinet body
32	512002	Condenser—.002 Mfd. 600 volt	25	505867	Transformer—2nd I.F. (Includes condensers 25-A and 25-B)	18785	Screw—#8 - 7/8" chassis mounting
33-B	505858	Condenser—ceramic 250 Mmfd. 450 volt (Part of Audio Coupling Unit)	40	508146	Transformer—output	170819	Screw—#8 - 32 x 3/8" plastic thread cutting; mounts clip for cabinet back
33-C	505858	Condenser—ceramic 5000 Mmfd. 450 volt (Part of Audio Coupling Unit)	OTHER ELECTRICAL PARTS			170820	Screw—#8 - 32 x 1/2" plastic thread cutting; retains cabinet back
34	512040	Condenser—.15 Mfd. 400 volt	33-A to D	505858	Audio Coupling Unit	520389	Shaft—tuning
37	512006	Condenser—.005 Mfd. 600 volt	A		Resistor—carbon 470,000 Ohms 1/5 w.	505367	Shield—tube; miniature
39-A,B	508147	Condenser—electrolytic	B		Condenser—ceramic 250 Mmfd. 450 v.	507364	Socket—miniature (7 pin)
		A—20 Mfd. 150 v.	C		Condenser—ceramic 5000 Mmfd. 450 v.	505161	Spring—dial cord tension
		B—30 Mfd. 150 v.	D		Resistor—carbon 470,000 Ohms 1/5 w.		
41	512030	Condenser—.05 Mfd. 600 volt	42	508699	Speaker—P.M. Dynamic (5")		
RESISTORS			MISCELLANEOUS				
13	510125	Resistor—carbon 220 Ohms 1/2 watt	508244		Back for cabinet		
17	510185	Resistor—carbon 470,000 Ohms 1/2 watt	505368		Base for tube shield (miniature)		
18	510161	Resistor—carbon 22,000 Ohms 1/2 watt	505165		"C" washer for tuning shaft		
22	510121	Resistor—carbon 150 Ohms $\pm 10\%$ 1/2 watt	520391		Cabinet (complete) for Model 9165-A (Black and Yellow)		
24	510191	Resistor—carbon 1 Meg. 1/2 watt	520392		Cabinet (complete) for Model 9165-B (Rust and Tan)		
26	510164	Resistor—carbon 33,000 Ohms 1/2 watt	520383-A		Cabinet body for Model 9165-A (Black)		
27-A,B,C	520390	Volume and Tone control (includes ON-OFF switch)	520383-B		Cabinet body for Model 9165-B (Rust)		
		A—Volume control; 1 Meg.	520382-A		Cabinet front for Model 9165-A (Black and Yellow)		
		B—Tone control; 1 Meg.	520382-B		Cabinet front for Model 9165-B (Rust and Tan)		
		C—On-Off switch	505101		Clip for mounting I.F. transformer		
		(If this component is mounted on an auxiliary bracket, remove this bracket and mount new control directly to side of chassis.)	500473		Clip for mounting front panel to cabinet body		
31	510197	Resistor—carbon 10 Meg. 1/2 watt	508149		Clip for mounting loop antenna		
			112745		Clip for mounting R.F. coil		
			114955		Clip—retainer on end of dial cord		

I.F.
455 K.C.



ALIGNMENT PROCEDURE

- | DUMMY ANT.
IN SERIES
WITH SIGNAL
GENERATOR | SIGNAL
GENERATOR
CONNECTION | SIGNAL
GENERATOR
FREQUENCY | RECEIVER
DIAL
SETTING | TRIMMER
AND SLUG
NUMBER | TRIMMER
AND SLUG
DESCRIPTION | TYPE OF ADJUSTMENT |
|---|---|---|--|-------------------------------|------------------------------------|---|
| 0.1 Mfd.
Condenser | Lug on R.F.
Trimmer #6 | 455 KC
400 cycle
Modulation | Any point where it
does not effect the
signal. | 1-2 | 2nd I.F. | Adjust for maximum output.
Then repeat adjustment. |
| | | | | 3-4 | 1st I.F. | |
| 200 Mmfd.
Mica
Condenser | External Antenna
Terminal on Loop
Frame | 1600 KC
400 cycle
Modulation | 1500 KC | 5 | Broadcast
Oscillator | Adjust for maximum output. |
| 200 Mmfd.
Mica
Condenser | External Antenna
Terminal on Loop
Frame | 1500 KC
400 cycle
Modulation | Tune to 1500 KC
generator signal | 6 | Broadcast
R.F. | Adjust for maximum output. |
| 200 Mmfd.
Mica
Condenser | External Antenna
Terminal on Loop
Frame | 1500 KC
400 cycle
Modulation | Tune to 1500 KC
generator signal | 7 | Broadcast
Antenna | Adjust for maximum output. |

Diagram illustrating the side of the Gange at generally assembly position No. 5. The diagram shows the internal components and their connections, with numbered callouts (1 through 7) indicating specific parts and their associated frequencies:

- 1: 455 KC.
- 2: 455 KC.
- 3: 455 KC.
- 4: 455 KC.
- 5: 1600 KC.
- 6: 1500 KC.
- 7: 1500 KC.

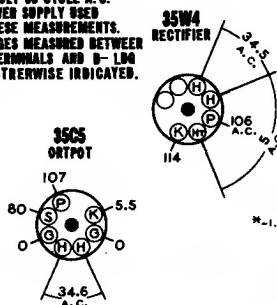
Additional labels include "SIDE OF GANGE AT GENERALLY ASSEMBLY POSITION NO. 5." and "1500 KC." repeated twice.

THE TRIMMER ON UNDERSIDE OF OSCILLATOR SECTION OF GANG IS ACCESSIBLE THRU HOLE AT BOTTOM OF CHASSIS, AND GENERALLY DOES NOT REQUIRE ADJUSTMENT. IT IS IN PARALLEL WITH TRIMMER NO. 5.

- NOTE A:** The center stud of this tube must be connected to B—to reduce capacity coupling between pins. Oscillation may result if this connection is omitted.

A diagram of a cell in mitosis. A large nucleus is shown with a smaller, darker nucleolus inside. Spindle fibers extend from the top and bottom poles, attaching to chromosomes. The chromosomes are represented as X-shaped structures. The cell membrane is shown as a wavy line.

117 VOLT 60 CYCLE A.C.
POWER SUPPLY USED
FOR THESE MEASUREMENTS.
ALL VOLTAGES MEASURED BETWEEN
SOCKET TERMINALS AND G-100
UNLESS OTHERWISE INDICATED.

[illegible]

REAR OF CHASSIS