

2ND DET
AVC
1ST A.F.
75

1ST DET.
OSC.
6-A-7

I.F.
6-D-6

POWER
4Z5

1ST R.F.
6-D-6

DIAG NO.	PART NO.	DESCRIPTION
C1	22-82	.001 MFD. 500V
C2	22-229	.005 " 600V
C3	22-250	.05 " 200V
C4	22-289	50 MMFD. 600V
C5	22-305	2-35 " PADDER
C6	22-304	.0036 MFD. 600V
C7	22-188	.02 " 400V
C8	22-276	.01 " 200V
C9	22-185	.01 " 200V
C10	22-182	.00025 " 600V
C11	22-170	.1 " 400V
C12	22-287	.03 " 600V
C13	22-292	.001 " PADDER
C14	22-125	8 " 440V
C15	22-147	.0005 " 600V
C16	22-290	.365 MMFD. 192V.
C18	22-309	50-120 MMFD. PADDER
C19	22-318	2 MFD. 450 V. DUAL
C20	22-318	8 MFD. 450 V.
R1	63-295	120M OHMS 1/2W
R2	63-357	300 " 1/2W
R4	63-271	1 MEGOHM 1/2W
R5	63-362	400 OHMS 1/2W
R6	63-280	49M " 1/2W
R7	63-258	490M " 1/2W
R8	63-278	95M " 1/2W
R9	63-353	19M " 1/2W
R10	63-373	11M " 1/2W
R11	63-355	51M " 1/2W
R12	63-366	200M " 1/2W CON.
R13	63-351	12035 " CANTON

- 1 5-2953 ANT. COIL ASSEM.
- 2 85-47 SHORT WAVE SWITCH
- 3 S-2356 DET. COIL ASSEM.
- 4 S-2987 OSC. " "
- 5 95-227 1ST I.F. TRANSF
- 6 95-230 2ND I.F. "
- 7 49-81 SPEAKER 1000- Ω FIELD - CHASSIS 5605
- 8 85-48 TONE CONTROL SWITCH
- 9 95-234 POWER TRANSF. 50-60 CYCLE
- 10 95-229 " 25 CYCLE
- 11 20-71 ANT. CHOKE
- 12 20-75 WAVE TRAP CHOKE
- 13 49-85 SPEAKER - CHASSIS 5607

I.F. FREQUENCY 252.5 K.C.
6 TUBE SUPERHETERODYNE
CHASSIS NOS. 5605 AND 5607

MODELS - 808-809-860-861

ZENITH RADIO CORP.
CHICAGO ILL.

5605

TUBE	POSITION	Ef	Ek	Eg1	Eg2	Eg3	Ep
6D6	R.F.	5.6	2.4	0	70	2.4	200
6A7	1st. Det.	5.6	3	0	70	-	250
	Osc.			3.6	-	-	230
6D6	I.F.	5.6	2.6	0	70	2.6	250
75	2nd. Det. 1st Audio	5.6	1.4	0	-	-	148
42	PWR.	5.6	0	-0.6	250	-	250
80	RECT.	4.6	-	-	-	-	300

Line Voltage 112

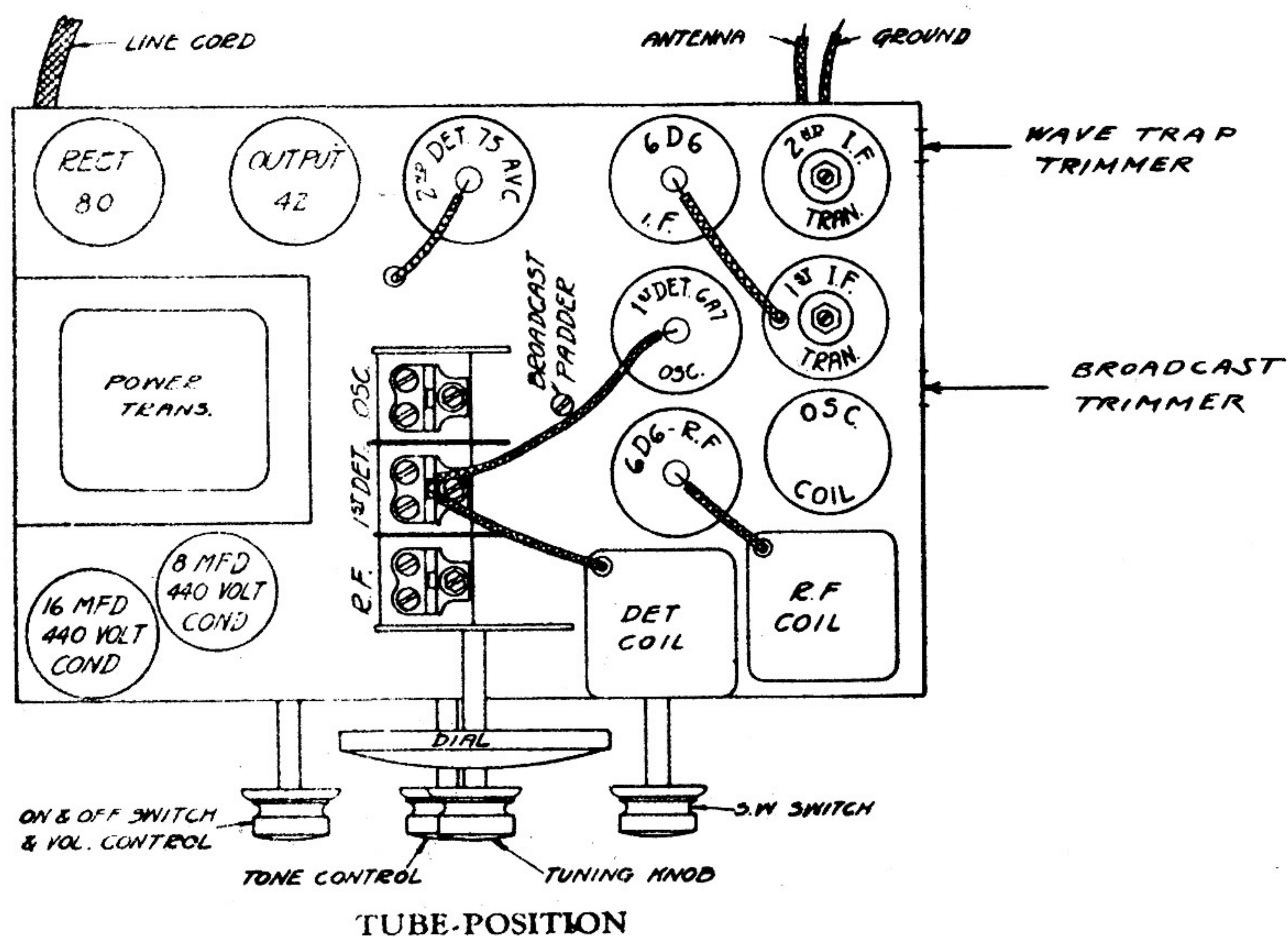
Antenna and Ground Disconnected

All measurements taken from point indicated to ground, using a 1000 ohm per volt D.C. meter (except heaters).

F - Filament; K - Cathode; g1 - Control Grid; g2 - Screen Grid; g3 - Suppressor Grid; p - Plate.

Alignment

1. Balance intermediate transformers at 252.5 K.C. with oscillator connected to grid of first detector and ground.
2. Adjust wave trap padder (located underneath chassis at rear right side) for weakest signal with 252.5 K.C. oscillator connected to aerial and ground.
3. Turn wave band switch clockwise to the highest frequency band. Connect 15,000 K.C. oscillator to aerial and ground. Balance oscillator trimmer on three-gang condenser for correct dial reading at this frequency.
4. Turn wave band switch counter-clockwise to standard broadcast position. Adjust broadcast oscillator trimmer (located underneath chassis at right center) for correct dial reading at 1400 K.C. and balance R. F. and 1st detector trimmers on three-gang condenser for loudest signal.
5. Adjust oscillator standard broadcast padder through hole in top center of chassis for correct dial reading at 600 K.C.



PARTS AND PRICES
 MODELS 808 and 809
 Chassis 5605

MODELS 808, 809, 860, 861

Dial Assembly

12-372	Bracket Shaft and Frame Assembly.....	\$.65
26-50	Dial Scale.....	.40
27-5	Celluloid Disc and Hub Assembly.....	.25
73-22	Set Screw.....	.03
59-27	Pointer.....	.15
93-207	Glass Cushion Washer.....	.05
192-3	Glass.....	.20

Condensers

22-82	.001 Mfd. 500 Volt (1st Audio Plate).....	.25
22-125	8. " 440 " (Power Filter).....	1.00
22-147	.0005 " 600 " (R.F. Plate Coupling).....	.15
22-170	.1 " 400 " (1st Audio Plate).....	.25
22-182	.00025 " 600 " (A.V.C. By-Pass).....	.12
22-185	.01 " 200 " (2nd Detector Cathode).....	.15
22-188	.02 " 400 " (1st and 2nd Audio Coupling).....	.15
22-229	.005 " 600 " (R.F. and 1st Det. A.V.C. By-Pass)....	.15
22-250	.05 " 200 " (Screens).....	.15
22-276	.01 " 400 " (Oscillator).....	.15
22-287	.03 " 600 " (Tone Control & Pwr. Grid).....	.15
22-289	50 Mmfd. 600 " (Oscillator Grid).....	.12
22-290	Three-Gang Variable.....	3.25
22-292	500-1000Mmfd. Padder (Oscillator).....	.45
22-304	.0036 Mfd. 600 Volt (Oscillator).....	.30
22-305	2 - 35 Mmfd. Padder (Oscillator).....	.15
22-306	2. Mfd. (Dry Electrolytic) (Oscillator B Filter).....	.80
22-309	50 - 120 Mmfd. Padder (Wave Trap).....	.25
22-318	8 - 2 Mfd. 450 Volt Filter.....	1.60

Resistors

63-258	490 M. Ohms $\frac{1}{4}$ Watt (A.V.C. Filter).....	.20
63-271	1 Megohm $\frac{1}{4}$ " (1st and 2nd Audio Grids).....	.20
63-278	99 M Ohms $\frac{1}{4}$ " (1st Audio Plates and Pwr. Grid).....	.20
63-280	49 M Ohms $\frac{1}{4}$ " (Oscillator Grid).....	.20
63-295	120 M Ohms $\frac{1}{4}$ " (R.F. Grid Return).....	.20
63-351	Candohm Voltage Divider.....	.65
63-353	19 M Ohms $\frac{1}{2}$ Watt (Tone Control and Osc. Filter).....	.20
63-355	51 M Ohms $\frac{1}{4}$ " (A.V.C. Load).....	.20
63-357	300 Ohms $\frac{1}{4}$ " (R.F. and I.F. Cathodes).....	.20
63-362	400 Ohms $\frac{1}{4}$ " (1st Detector Cathode).....	.20
63-366	Volume Control and Switch.....	.80
63-373	11 M Ohms $\frac{1}{2}$ Watt (R.F. and Osc. Plates).....	.25

Coils

20-71	Antenna Choke.....	.20
20-75	Wave Trap Choke.....	.25
95-227	1st I. F. Transformer (252.5 K.C.).....	1.50

PARTS AND PRICES
PAGE No.2

MODELS 808 and 809
Chassis 5605

Coils (Continued)

95-230	2nd I. F. Transformer (252.5 K.C.).....	\$ 1.50
S-2953	Oscillator Coil and Shield Assembly.....	1.00
S-2955	Antenna Coil and Shield Assembly.....	1.25
S-2957	Detector Coil and Shield Assembly.....	1.60

Miscellaneous

19-44	Goat Tube Shield Clips (For Moulded Socket).....	.03
19-50	" " " " " Wafer "03
46-87	Small Knob.....	.10
46-88	Large Knob (2 used).....	.10
46-90	Knob (with Color Indicator for Wave Change).....	.15
49-81	6" Dynamic Speaker.....	5.50
	Cone and Voice Coil for 49-81 Speaker.....	2.00
	Output Transformer for 49-81 Speaker.....	1.50
	Field Coil for 49-81 Speaker.....	2.00
57-435	Escutcheon Plate for Dial.....	.40
78-70	Moulded Socket for #80 Tube (Wafer Type #78-82).....	.10
78-91	" " " #75 " (" " #78-101).....	.10
78-92	" " " #42 " (" " #78-102).....	.10
78-96	" " " #6D6 " (" " #78-100).....	.10
78-105	" " " #6A7 " (" " #78-106).....	.10
85-47	Short Wave Selector Switch.....	1.10
85-48	Two-Position Tone Control Switch.....	.35
95-229	25 Cycle - All Voltage Power Transformer.....	6.50
100-23	6.3 Volt Pilot Lamps.....	.15
126-131	Goat Tube Shields.....	.10
S-3021	Power Transformer and Mtg. Plate Assemb. 117 V. 50/60 Cycle	4.00

MODELS 860 and 861
Chassis 5607

Same as Chassis 5605 excepting the following is added:

1	22-185	.01 Mfd. 200 Volt Condenser (Deduct 22-182 from 5605).....	.15
1	49-85	10" Dynamic Speaker (Deduct 49-81 6" Speaker).....	8.50
		Cone and Voice Coil for 49-85 Speaker.....	3.00
		Output Transformer for 49-85 Speaker.....	2.00
		Field Coil for 49-85 Speaker.....	2.00

THESE PRICES SUPERSEDE ALL OTHER PREVIOUS QUOTATIONS AND ARE SUBJECT TO
REGULAR DISCOUNT AND CHANGE WITHOUT NOTICE.

ZENITH RADIO CORPORATION
July 13, 1934