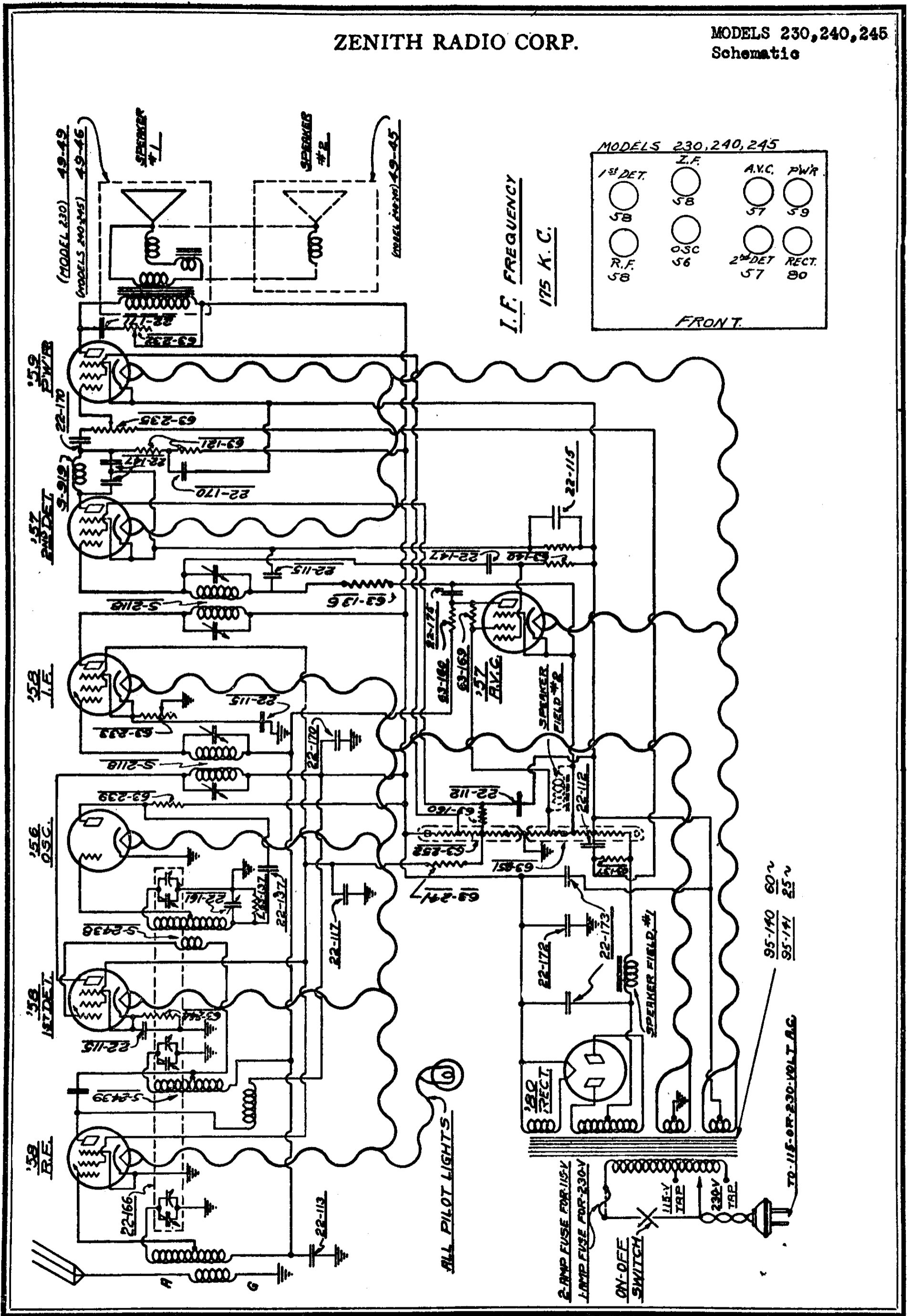


ZENITH RADIO CORP.

MODELS 230, 240, 245  
Schematic



I. F. FREQUENCY  
175 K. C.

MODELS 230, 240, 245

1 <sup>st</sup> DET.	Z.F.	A.V.C.	P.W.R.
58	58	57	59
R.F.	OSC	2 <sup>nd</sup> DET	RECT.
58	56	57	80

FRONT.

ALL PILOT LIGHTS

2 AMP FUSE FOR 115V  
1 AMP FUSE FOR 230V  
ON-OFF SWITCH  
115-V TAP  
230-V TAP  
95-140 60~  
95-141 25~  
TP-115-OR-230-VOLT AC

MODELS 230,240,245  
Voltage  
Parts List

ZENITH RADIO CORP.

Socket Voltages

Models: 230-240-245

Tube Type	Position	Fil. Volt.	Plate Volt.	Cath. Volt.	Screen Volt.	Supp. Volt.	Plate Current
Z-58	R.F.	2.4	190	0	95	0	7.
Z-58	1st Det.	2.4	190	2.3	95	2.3	4.
Z-56	Osc.	2.4	100	0	-	-	4.
Z-58	I.F.	2.4	190	0	90	0	2.
Z-57	2nd Det.	2.4	90	-60	70	-60	.2
Z-57	A.V.C.	2.4	-10	-65	-2	-65	0
Z-59	Power	2.4	175	-70	165	-70	25
Z-80	Rect.	5.	*350	-	-	-	*36

Line 115 Volts

All Controls Maximum

(All readings, with exception of heaters, taken from socket connections to ground. Use 1,000 ohm per volt D. C. meter.)

BALANCE I.F. frequency at 175 K.C. Condenser gang at 1500 K.C. and oscillator pad-der at 600 K.C.

Resistors

63-121	100M ohm	1 Watt	.....(2nd Detector Plate).....	.25
63-135	25M "	$\frac{1}{2}$ "	.....(2nd Detector Cathode).....	.25
63-136	50M "	$\frac{1}{2}$ "	.....(2nd Detector Grid Return).....	.25
63-137	250M "	$\frac{1}{2}$ "	.....(Oscillator & Power Grid).....	.25
63-140	1 meg "	$\frac{1}{2}$ "	.....(A.V.C. Screen).....	.25
63-160	100M "	$\frac{1}{2}$ "	.....(A.V.C. Plate, 2nd Detector Screen)..	.25
63-169	400M "	$\frac{1}{2}$ "	.....(A.V.C. Grid).....	.25
63-239	24M ohm	1 Watt	.....(Oscillator Plate).....	.25
63-241	5M "	1 "	.....(R.F., 1st Detector., I.F. Screen)...	.25
63-244	500 "	$\frac{1}{4}$ "	.....(1st Detector Cathode).....	.25
63-251	Voltage Divider	.....(six tap).....		.65
63-252	Voltage Divider	.....(five tap).....		.60

Condensers

22-112	.1 mfd	300 V.	.....(2nd Detector Screen & Power Grid).....	.25
22-113	.5 "	.....	.....(R.F.1st Detector & I.F.Grid Return).....	.35
*22-115	.1 "	200 V.	.....(Four used, see below).....	.35
22-117	.5 "	.....	.....(R.F.1st Detector, & I.F. Screen).....	.50
22-137	.05 "	400V.	.....(Oscillator Plate).....	.25
22-147	.0005"	600 V.	.....(2nd Detector Plate & AVC Screen).....	.25
22-166	Three Gang	Variable	.....	3.50
22-170	.1 mfd	400 V.	.....(R.F. & 1st Detector Plate, 2nd Det. Plate)..	.35
22-171	.05 "	600 V.	.....(Tone Control).....	.25
22-172	2. "	450 V.	.....(Filter).....	.60
22-173	8. "	500 V.	.....(Filter).....	1.25
22-175	.002 "	600 V.	.....(A.V.C. Plate).....	.25

Chokes and Coils

S-2118	I.F. Coil Assembly	.....	1.75
S-2437	Antenna Coil Assembly	.....	.75
S-2438	Oscillator Coil Assembly	.....	.85
S-2439	Detector Coil Assembly	.....	.30
S-2252	Plate Choke and Bracket Assembly	.....	.50
S-919	2nd Detector Choke Assembly	.....	.60