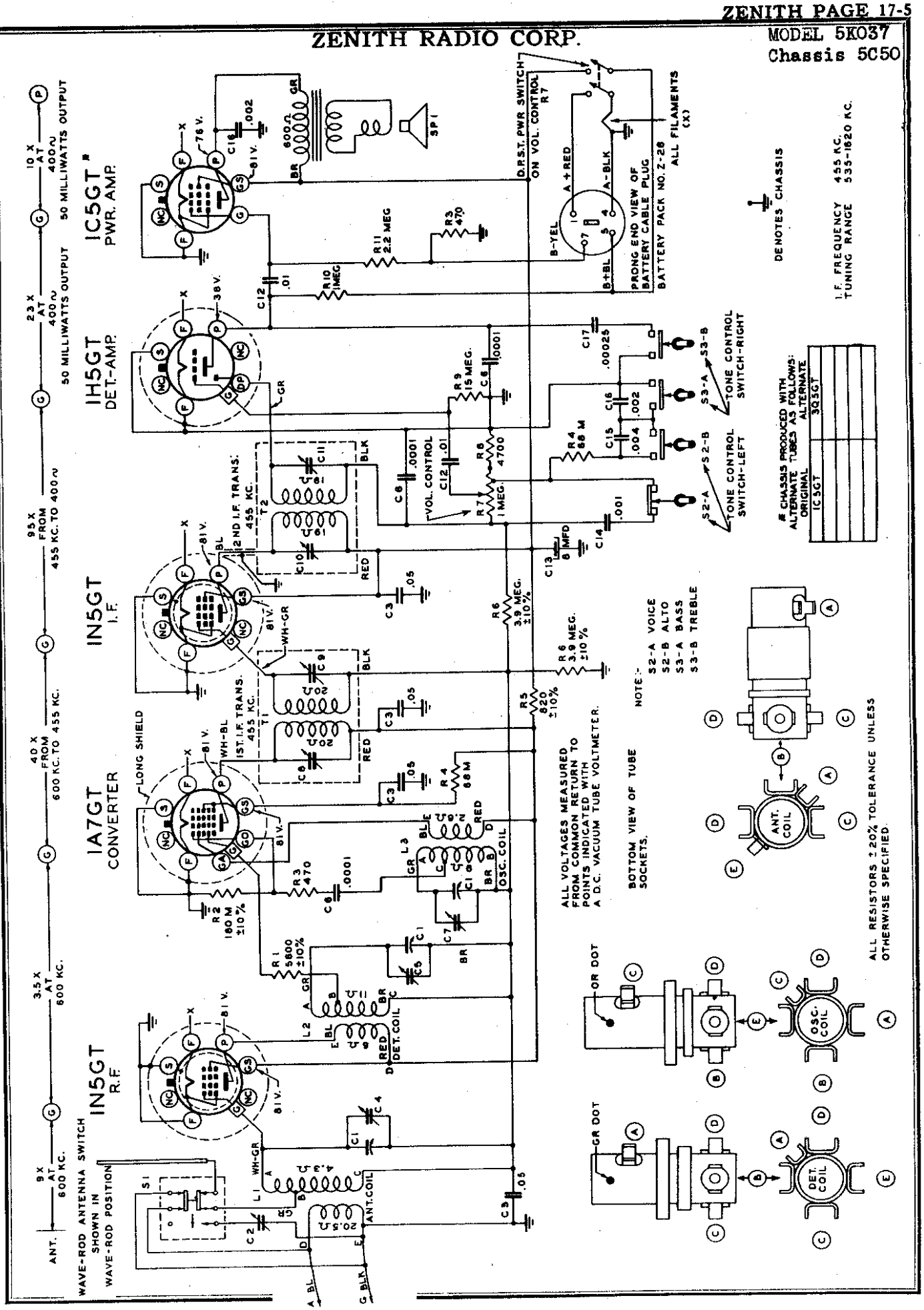
ZENITH RADIO CORP.

MODEL 5K037
Chassis 5C50



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PARTS LIST

DIAL ASSEMBLY

26-344	DIAL SCALE.....
46-443	RADIORGAN KNOB (VOICE)..
46-444	RADIORGAN KNOB (TREBLE).
46-445	RADIORGAN KNOB (ALTO)....
46-446	RADIORGAN KNOB (BASS)...
59-122	OFF & ON INDICATOR.....
59-160	DIAL POINTER.....
76-335	TUNING CONTROL SHAFT....
80-183	INDICATOR SPRING.....
80-209	DIAL CORD TENSION SPRING
80-471	TUNING SHAFT SPRING.....
93-690	BROWN FELT WASHER (S-11362).....
188-32	RETAINER RING (76-335).....
188-34	RETAINER RING (S-11362).....
192-90	DIAL CRYSTAL.....
196-64	DIAL CRYSTAL GASKET.....
S-9588	INDICATOR CAM & BUSHING ASSEMBLY).....
S-9610	DIAL CORD & EYELET ASSEM (POINTER).....
S-9733	DIAL CORD & EYELET ASSEM (GANG).....
S-9751	PULLEY & RIVET ASSEM. (GANG).....
S-11362	PULLEY & BUSHING ASSEM..
S-11558	VOL. & TUNING KNOB ASSEM (2 USED)(46-520).....

CHOKES & COILS

95-814	1ST I.F. TRANSFORMER. (T1)
95-839	2ND I.F. TRANSFORMER (T2)
S-9570	DETECTOR COIL ASSEM. (L2)
S-9746	OSCILLATOR COIL ASSEM(L3)
S-11731	ANTENNA COIL ASSEM. (L1)..

CONDENSERS

22-162	.0001 MFD. (C6) 600 V..
22-182	.00025 MFD. (C17) 600V.
22-196	.01 MFD. (C12) 600V....
22-448	.004 MFD. (C15) 600V...
22-492	.002 MFD. (C16) 600V...
22-684	DRY ELECTROCLYTIC 8MFD. (C13) 150 V....
22-829	.05 MFD (C3) 200 V....
22-887	.001 MFD.(C14). 600V...
22-1358	THREE SECTION GANG (C1)
22-1421	ANTENNA TRIMMER (C2)...

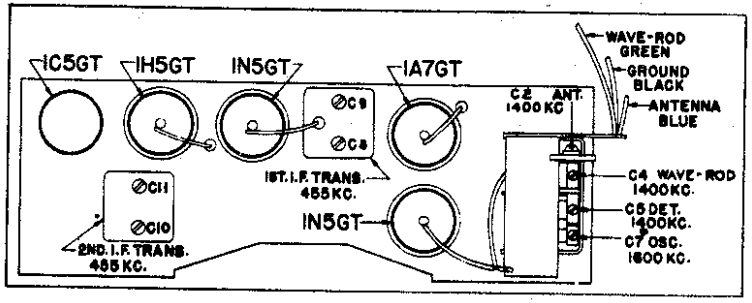
RESISTORS

63-271	1 MEGOHM (R10) ¼ WATT..
63-581	470 OHM (R3) ¼ WATT..
63-587	4700 OHM (R8) ¼ WATT..
63-594	68M OHM (R4) ¼ WATT..
63-600	2.2 MEGOHM (R11) ¼ WATT.
63-634	820 OHM (R5) ¼ WATT..
63-638	5600 OHM (R1) ¼ WATT..
63-669	3.9 MEGOHM (R6) ¼ WATT.
63-976	15 MEGOHM (R9) ¼ WATT..
63-1236	VOLUME CONTROL & SWITCH (R7).....

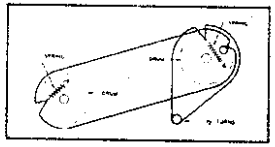
MISCELLANEOUS

12-1082	ANT. ROD MTG. BRKT.....
46-572	TELESCOPIC ANT. KNOB...
49-522	6½" P.M. SPEAKER..... 206-522 OUTPUT TRANS... 208-522 CONE & VOICE COIL.....
49-523	6½" P.M. SPEAKER (ALT. FOR 49-522) (SP1)..... 206-523 OUTPUT TRANS... 208-523 CONE & VOICE COIL.....
52-190	SPEAKER CABLE.....
57-11A	ANTENNA MARKER.....
57-11G	GROUND MARKER.....
57-900	DIAL PLATE .....
57-1103	ANTENNA KNOB ESCUTCHEON
57-1139	RADIORGAN ESCUTCHEON...
58-74	BATTERY CABLE PLUG.....
70-124	#2 X 3/8 PHILLIPS HD. WOOD SCREW (ESC. MTG).....
78-611	OCTAL BASE TUBE SOCKET 5 USED.....
85-228	WAVE-ROD ANTENNA SW. (CR 85-303)(S1).....
85-284	RADIORGAN SWITCH (VOICE & ALTO L.H) (S2).....
85-288	RADIORGAN SWITCH (TREBLE & BASS R.H. (S3).....
93-125	#6 INTERNAL SHAKEPROOF LOCKWASHER.....
93-258	BROWN FELT WASHER (KNOBS)
94-295	STEEL BUSHING (RADIORGAN 4 USED).....
112-56	#6 - ½ HEX HD. SELF TAPPING SCREW.....
114-67	#6-32 X 7/16 HEX ACORN HEAD SCREW.....
114-162	#8 X 7/8 HEX ACORN WASHER HD S.T. SCREW (CHASSIS MTG).....
125-17	RUBBER GROMMETS.....
126-379	TUBE SHIELD (3USED)SHORT
126-382	TUBE SHIELD (1A7GT)LONG.
159-50	PLUG BUTTON (BLK OXIDIZE)
202-386	INSTRUCTION BOOK.....
S-11251	TELESCOPIC ANTENNA ASSEM. (COMPLETE).....
S-11586	RELEASE ASSEM. (TELESCOPIC ASSEMBLY).....
S-11729	WAVEROD SWITCH & PLATE ASSEMBLY.....
Z-28	BATTERY PACK (BP)...

15M2-15-47



TUBE TRIMMER LOCATION



DIAL CABLE DRAWING

The alignment of chassis 5C50 is conventional. None of the adjustment interlock, however, the most accurate alignment will be accomplished if the procedure is followed exactly. The IF frequency is 455 KC and all measurements, voltage, and resistance have been taken with an electronic voltohm meter.

Stage by stage gain measurements are for reference purposes only. Gain measurements can seldom be duplicated, and are used only for comparison purposes.

OPERATION	CONNECT OSCILLATOR TO	DUMMY ANTENNA	INPUT SIG. FREQUENCY	SET DIAL AT	TRIMMERS	PURPOSE
1	Converter Grid	.5 Mfd.	455 Kc.	600 Kc.	C8,C9,C10, and C11	Align I.F
2	Ant. and Ground	200Mmfd Antenna Switch in Ant. position	1600 Kc.	1600 Kc.	C7	Set Oscillator to Dial Scale.
3	"	"	1400 Kc.	1400 Kc.	C5	Align Detector
4	"	"	"	"	C2	Align Antenna
5	Two Turns Loosely Coupled To Waverod	Wave Rod Fully extended Switch in Waverod Position	1400 Kc.	1400 Kc.	C4	Align Waverod Antenna