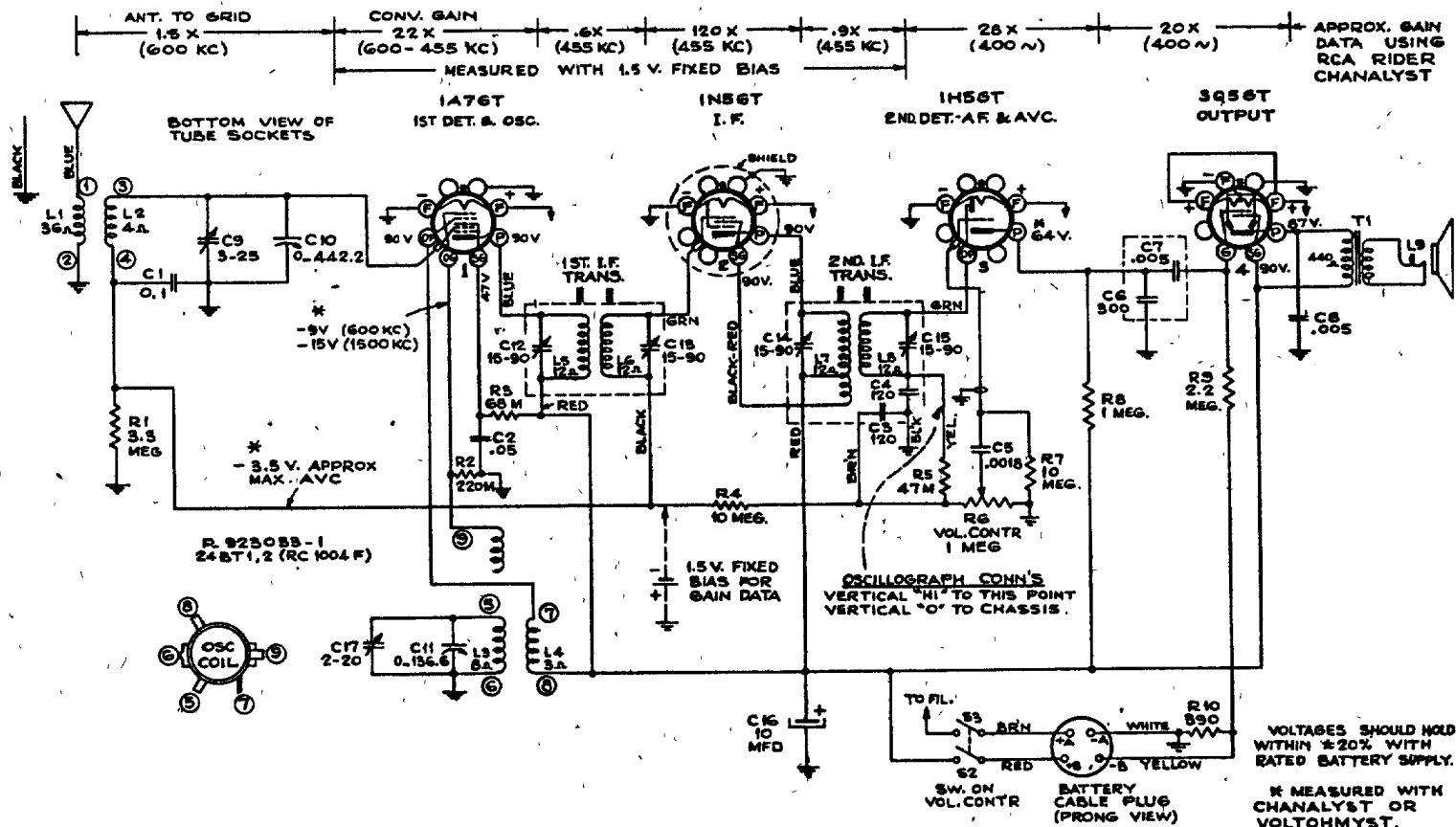


MODELS 24BT-1, 24BT-2
Chassis RC-1004F

RCA MFG. CO., INC.



FREQUENCY RANGE..... 540-1,720 kc
INTERMEDIATE FREQUENCY..... 455 kc

BATTERY DRAIN

"A"..... .25 amperes
"B"..... 14 m.a.

MAX. POWER OUTPUT..... .3 wat.

LOUDSPEAKER (5-inch PM)

Identification number..... RL-85-6..... 92822-1
Voice coil impedance at 400 cycles..... 8 ohms..... 8 ohms

Connections for the oscillograph are shown in the diagram.

Output Meter Alignment.—If this method is used, connect the meter across the voice coil and turn the receiver volume control to maximum.

Test Oscillator.—For all alignment operations, connect the low side of the test oscillator to the receiver chassis, and keep the output as low as possible to avoid AVC action.

Electronic Voltmeter.—The electronic voltmeter in the Chanalyst or VoltOhmyst provides an unexcelled output indicator. It should be connected to the AVC bus.

Pre-Setting Dial.—With gang condenser in full mesh, the pointer should be adjusted so that it is horizontal.

Step	Connect high side of test osc. to—	Tune test osc. to—	Turn radio dial to—	Adjust the following for maximum peak output
1	I-F grid in series with .01 mfd.	455 kc	Quiet point between 550 and 750 kc	C14, C15 (2nd I-F Trans.)
2	1st Det. grid in series with .01 mfd.			C12, C13 (1st I-F Trans.)
3	Antenna terminal in series with 220 mmfd.	1,720 kc	Tuning condenser rotor plates all out	C17 (osc.)
4		1,300 kc	1,300 kc signal	C9 (ant.)

Precautionary Lead Dress.—

- The lead from the 3Q5 plate to output transformer should be dressed under clip and away from audio input leads.
- Keep AVC lead connecting C1 away from the 1A7GT plate.
- Keep blue plate leads coming from IF transformers short and close to the chassis.
- All filament wires should be dressed close to chassis.

