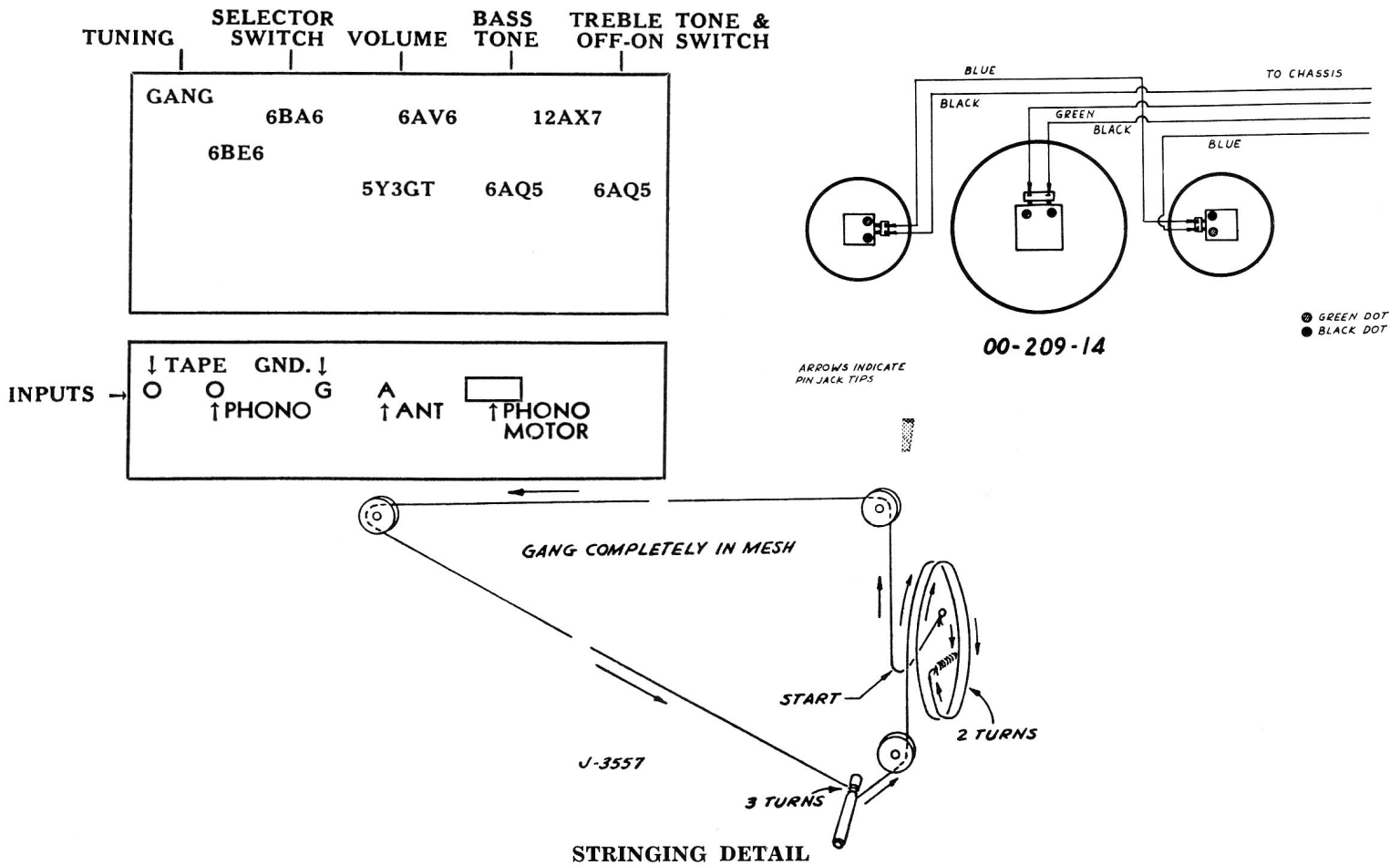


VIKING Service Information for MODEL RC-310

7 Tube, 1 Band



For Operation on 110-120 Volts A.C. — Cycle as listed on License Plate.

SPECIFICATIONS

Standard Broadcast Range	535 Kc. — 1650 Kc.
Intermediate Frequency	455 Kc.
Power Consumption (Radio Only).....	75 Watts
Power Consumption (Radio and Phono).....	90 Watts
Undistorted Output	6 Watts
Maximum Power Output	9 Watts

When writing for Service Information or Parts please quote Model Number, Serial Number and finish of cabinet.

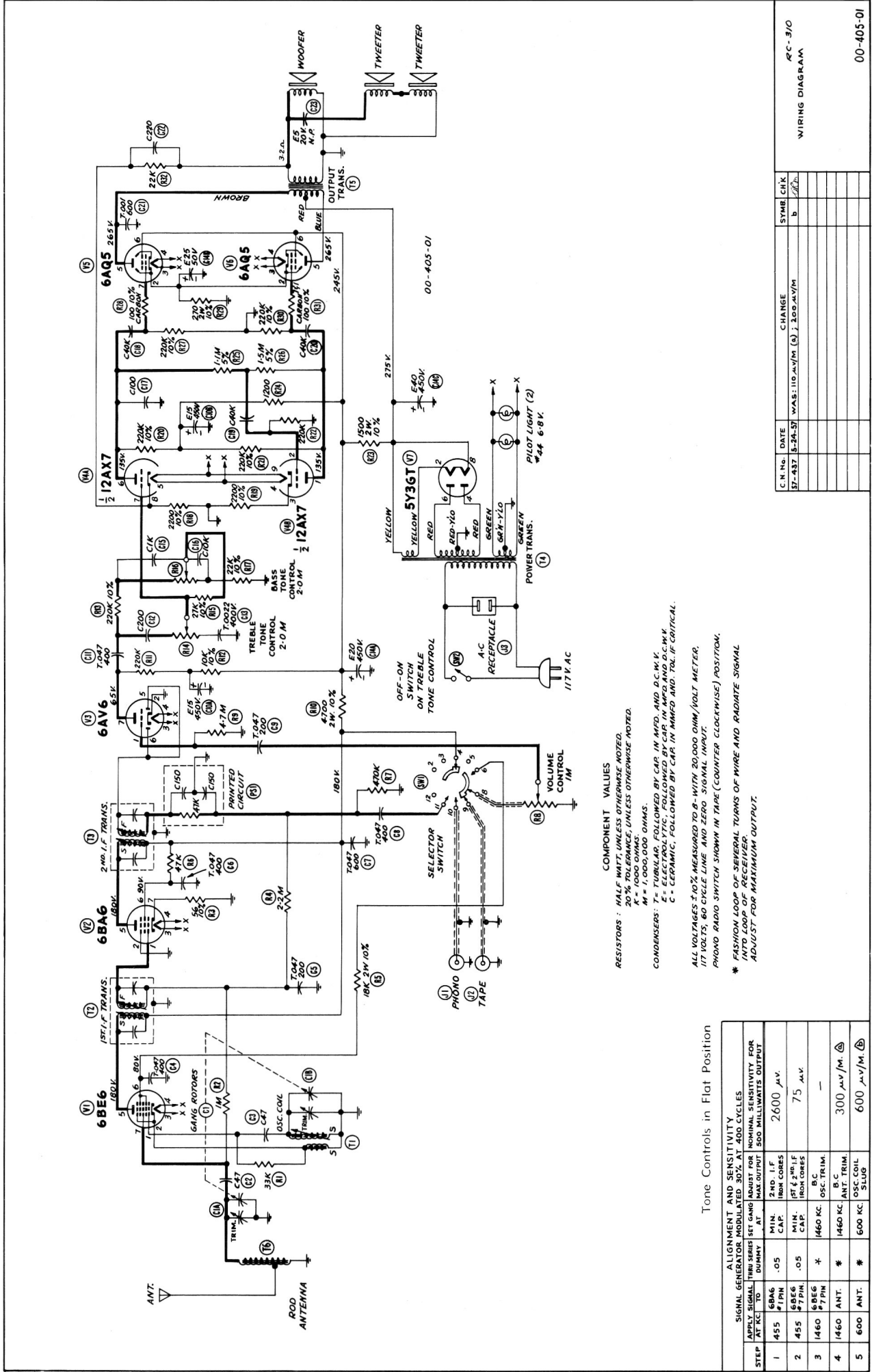
FOR ALIGNMENT AND SENSITIVITY DATA SEE SCHEMATIC

SERVICE REPLACEMENT PARTS LIST

Part No.	Symbol	Description	
21-402-01	(T1)	Oscillator Coil	44-4-01..... (C10).....Electrolytic Dual 15 & 15 UFD x 450V.
21-404-01	(T2, T3)	I.F. Transformer (1st. & 2nd.)	45-2-02..... (C1).....Gang Condenser
24-80011-02	(T5)	Output Transformer	50-1-01..... (PS1).....Printed Circuit
24-10008-01	(T4)	Power Transformer 60 Cycle	51-3-01..... (T6).....Rod Antenna Assembly
24-20008-01	(74)	Power Transformer 25 Cycle	
26-5-02	(SW1)	Selector Switch	
27-1-01		Pilot Lamp 6-8V 25A # 44	
30-15-01		Dial Scale	
34-5-17		Line Cord and Plug Assembly	
41-3-03	(R16)	Bass Tone Control	03-160003-01.....Garrard RC-121 Changer 60 Cycle complete
41-4-02	(R14)	Treble Tone Control and AC Switch	03-160004-01.....Garrard RC-121 Changer 25 Cycle complete
41-27-02	(R8)	Volume Control	16-250002-01.....Astatic 55T Cartridge
44-2-01	(C14)	Electrolytic Triple 40 & 20 UFD x 450V. 25 UFD x 50V.	19-50001-01..... 5" P.M. Speaker Assembly (2)
			19-120003-01.....12" P.M. Speaker Assembly (1)
			53-10-02.....Escutcheon
			53-11-04.....Knob (Selector Switch, Bass Tone, Treble Tone)
			53-11-05.....Knob (Volume, Tuning)
			GD-J.....Replacement Stylus for Cartridge

INSTALLATION

THE T. EATON CO. LIMITED
CANADA



COMPONENT VALUES
 RESISTORS : HALF WATT, UNLESS OTHERWISE NOTED.
 CAPACITORS : .05 μF UNLESS OTHERWISE NOTED.
 K = 1,000 OHMS.
 M = 1,000,000 OHMS.

CONDENSERS : T = TUBULAR, FOLLOWED BY CAR IN MFD. AND D.C.W.V.
 E = ELECTROLYTIC, FOLLOWED BY CAR IN MFD AND D.C.W.V.
 C = CERAMIC, FOLLOWED BY CAR IN MMFD AND VOL. IF CRITICAL.

ALL VOLTAGES ±10% MEASURED TO B- WITH 20,000 OHM/VOLT METER.
 117 VOLTS, 60 CYCLE LINE AND ZERO SIGNAL INPUT.
 PHONO ARM SWITCH SHOWN IN TAPE (COUNTER CLOCKWISE) POSITION.
 * FASHION LOOP OF SEVERAL TURNS OF WIRE AND RADITE SIGNAL INTO LOOP OF RECEIVER.
 ADJUST FOR MAXIMUM OUTPUT.

Tone Controls in Flat Position

ALIGNMENT AND SENSITIVITY	
SIGNAL GENERATOR MODULATED 30% AT 400 CYCLES	
STEP	APPLY SIGNAL THIRD SERIES SET GANG ADJUST FOR NOMINAL SENSITIVITY FOR 500 MILLIWATT OUTPUT
1	455 6BA6 2ND. I.F. CAP. 2600 μV.
2	455 6BA6 1ST. I.F. CAP. 75 μV.
3	460 ANT. * 460 KC. OSC. TRIM B.C.
4	460 ANT. * 460 KC. ANT. TRIM B.C.
5	600 ANT. * 600 KC. OSC. COIL SLUG 600 μV/M. Ⓜ

C.N. No.	DATE	CHANGE	SYMB	CHK
57-437	8-24-57	WAS: 110 μV/M (A) 200 μV/M	b	A.P.

WIRING DIAGRAM

00-405-01