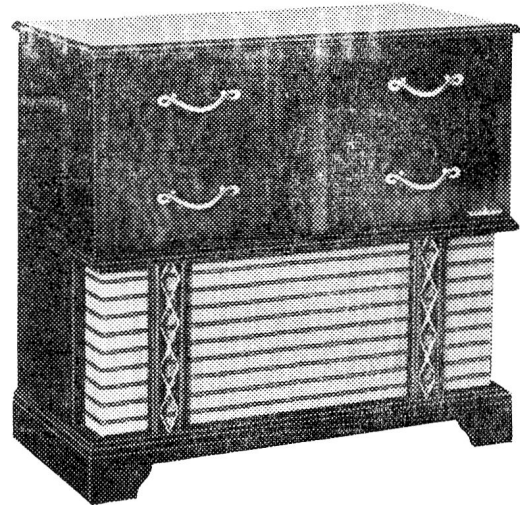
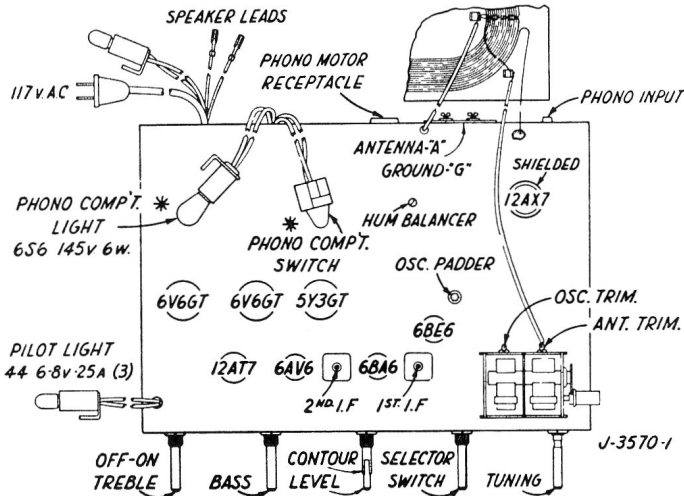


VIKING Service Information for MODEL RC-251



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	10 Watts
Maximum Power Output	14 Watts
Frequency Response.....	30 to 15000 cycles per second

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

**FOR ALIGNMENT AND SENSITIVITY DATA
SEE SCHEMATIC**

HUM BALANCER

A Hum-Balancer has been incorporated in this receiver to balance out hum which may be present because of the high gain and wide frequency response of the audio portion of the receiver. It may be found necessary to re-adjust the hum-balancer for minimum hum reproduction when the 12AT7 tube is replaced. Set the tone control in its extreme left hand position, turn the selector switch to phono position, the volume control full on and adjust the hum-balancer for minimum hum level.

SERVICE REPLACEMENT PARTS LIST

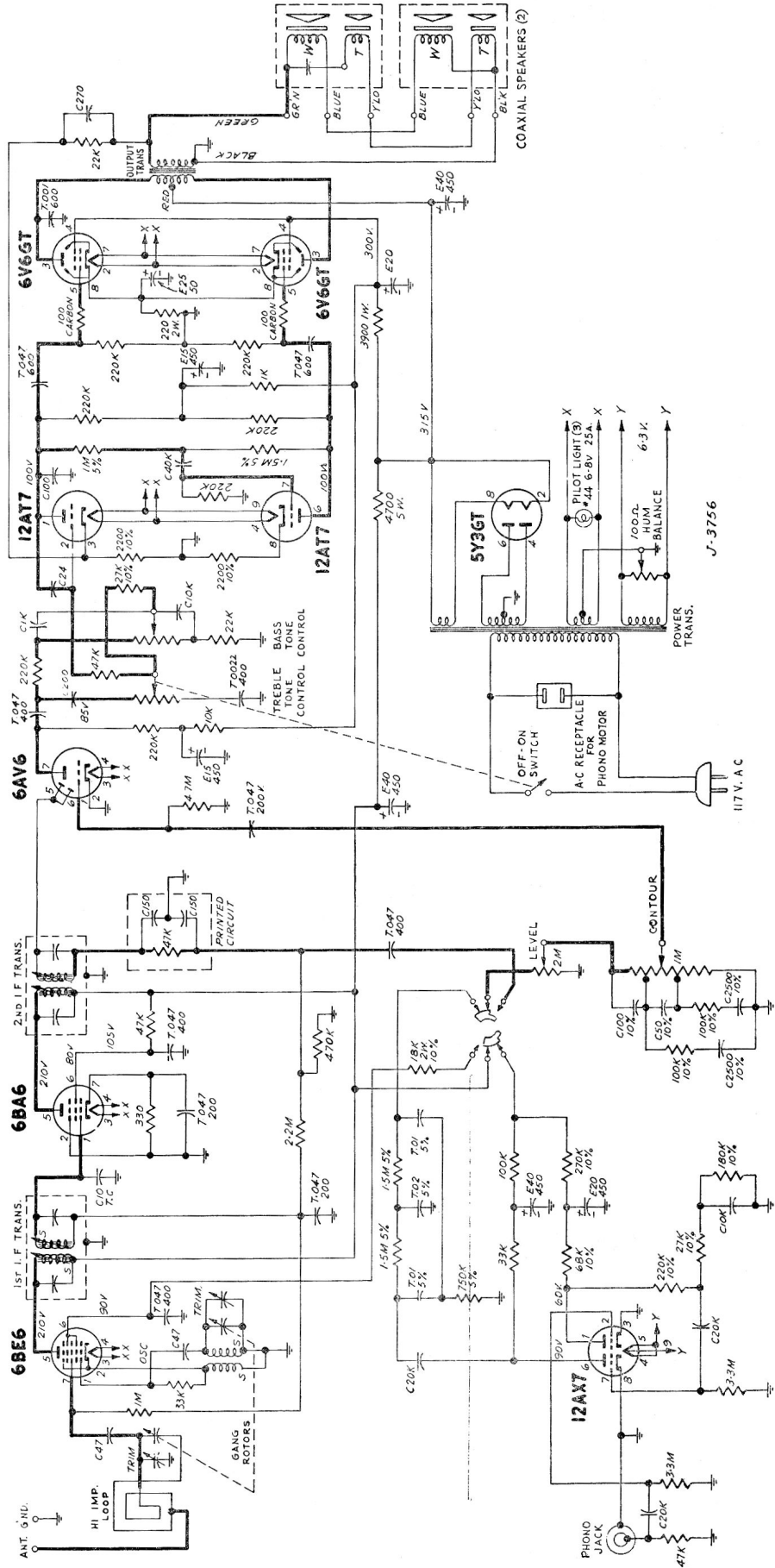
- A-2757..... Dial Scale
- B-4123-5..... Drive Shaft
- G-503..... Electrolytic — Triple — Can Type
(40 & 20 ufd X 450 DC WV)
(25 ufd X 50 DC WV)
- G-522..... Electrolytic Triple — Can Type
40, 40 and 20 ufd. x 375 WV
- K-771A..... Pilot Lamp No. 44, .25 Amp. 6-8 Volt
- K-875-1..... Phono Socket
- K-923..... AC Outlet
- LK-537-1..... Power Transformer 25 Cycle
or
60 Cycle
- LK-558-1..... Power Transformer 60 Cycle
- LK-560-2..... Output Transformer
- MP-1204-46..... Pointer & Slider Assy.
- P-2876-1..... Osc. Coil
- P-2485R..... I.F. Transformer Assy.
- P-2725-5..... Loop Antenna Assy.

- Q-299-6..... Selector Switch
- R-375-7..... Bass Tone
- R-376-6..... Off-On-Treble Tone
- R-416-2..... Dual Level & Contour Control
- R-391-1..... Hum Balancer
- V-386-1..... Geared Gang

INSTALLATION

- C-957..... Escutcheon
- K-1653..... Coaxial Speaker
- K-1659..... Coaxial Speaker
- N-410-1..... Knob (Selector, Bass Tone, Treble
Tone)
- N-411-1..... Knob (Tuning)
- N-404-2..... Knob (Rear—Level Control)
- N-403-2..... Knob (Front—Contour Control)
- P-2651-18..... Garrard Changer Assy.—60 Cycle
- P-2652-18..... Garrard Changer Assy.—25 Cycle
- K-1529-1..... G.E. Cartridge

THE T. EATON CO. LIMITED
CANADA



ALIGNMENT AND SENSITIVITY

STEP	SIGNAL	APPLY SIGNAL AT KC	THRESHOLD SET GANG TO DUMMY	ADJUST FOR NOMINAL SENSITIVITY FOR 500 MILLIWATTS OUTPUT
1	6816 I.F.	455	.05	2ND I.F.
2	1612W #71B	455	.05	MINIMUM 1ST I.F. CAPACITY
3	6856 #71B	1460	.05	1460 KC. OSC. TRIMMER
4	1460 ANT.	400.0	400.0	ANT. TRIMMER
5	600 ANT.	400.0	600 KC.	160 μV/M

COMPONENT VALUES
RESISTORS: HALF WATT, UNLESS OTHERWISE SPECIFIED.
 20% TOLERANCE, UNLESS OTHERWISE SPECIFIED.
 K = 1000 OHMS
 M = 1000,000 OHMS
CONDENSERS: T = TUBULAR, FOLLOWED BY CAPACITY IN MFD. AND D.C.M.V.
 C = CERAMIC, FOLLOWED BY CAPACITY IN PFD. AND D.C.M.V.
 G = GERMANYTIC, FOLLOWED BY CAPACITY IN PFD. AND D.C.M.V.
 M = MICA, FOLLOWED BY CAP. IN MMEL. PFD. IS CRITICAL.
 TC = TEMPERATURE COMPENSATED.

ALL VOLTAGE ± 10%, MEASURED TO B - WITH 20,000 OHM/VOLT METER, 117 VOLT 60 CYCLE LINE AND ZERO SIGNAL INPUT
 PHONO RADIO SWITCH SHOWN IN PHONO (COUNTERCLOCKWISE) POSITION.

J-3756