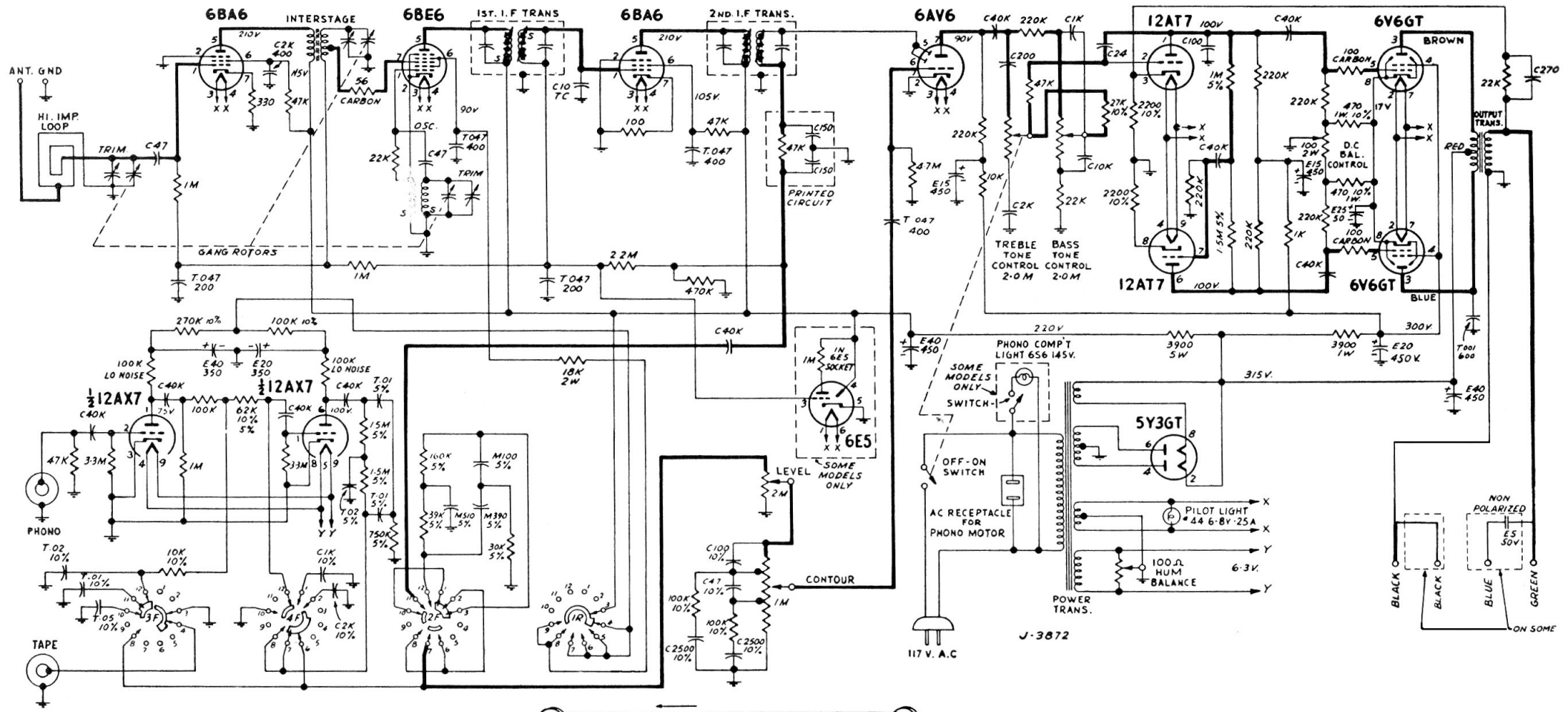
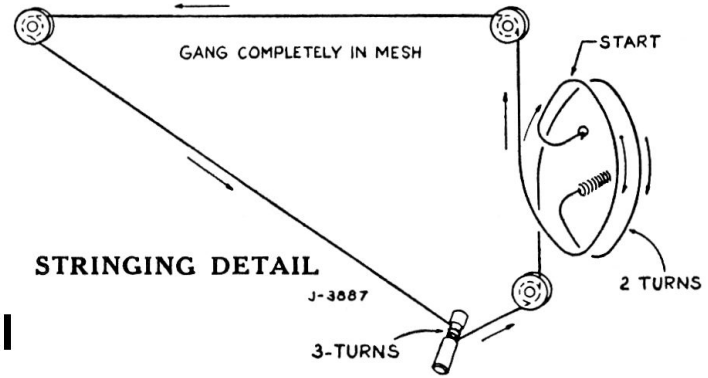


COMPONENT VALUES

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.W.V.
E = ELECTROLYTIC, FOLLOWED BY CAP. IN MFD. AND D.C.W.V.
C = CERAMIC, FOLLOWED BY CAP IN MMFD. & TOL IF CRITICAL.
M = MICA, FOLLOWED BY CAP. IN MMFD. & TOL IF CRITICAL.
T.C = TEMPERATURE COMPENSATED.

CONNECT D.C VOLTMETER ACROSS OUTPUT TRANSFORMER PRIMARY AND ADJUST D.C BALANCE CONTROL FOR ZERO VOLTAGE.



STRINGING DETAIL

J-3887

SWITCH SHOWN IN EXTREME COUNTER CLOCKWISE POSITION.

SWITCH POSITIONS:
1 FLAT.
2 R I A A
3 78 EARLY
4 TAPE
5 RADIO 10 KC FILTER OUT.
6 RADIO. 10 KC FILTER IN.

ALL VOLTAGES ±10% MEASURED TO B- WITH 20,000 OHM/VOLT METER, 117 VOLT 60 CYCLE LINE AND ZERO SIGNAL INPUT.

Electrohome Crescendo III

SPECIFICATIONS

Standard Broadcast Range ..... 535 Kc — 1650 Kc
Intermediate Frequency ..... 455 Kc
Power Consumption (Radio Only) ..... 90 Watts
Power Consumption (Radio and Phono) ..... 105 Watts

With tone controls in flat position, level and contour controls full clockwise, all measurements (nominal) taken at level control input and 16 ohm output.

Frequency Response — 1W level ± 1 db., 30 cps to 15,000 Kc.

*Harmonic Distortion — Less than 1% at normal operating levels.

*Intermodulation Distortion — Less than 1% at normal operating levels (60 and 3000 cps. 4:1)

Hum and Noise — 80 db. below rated output.

Maximum Power Output at 400 C.P.S. — 14 Watts

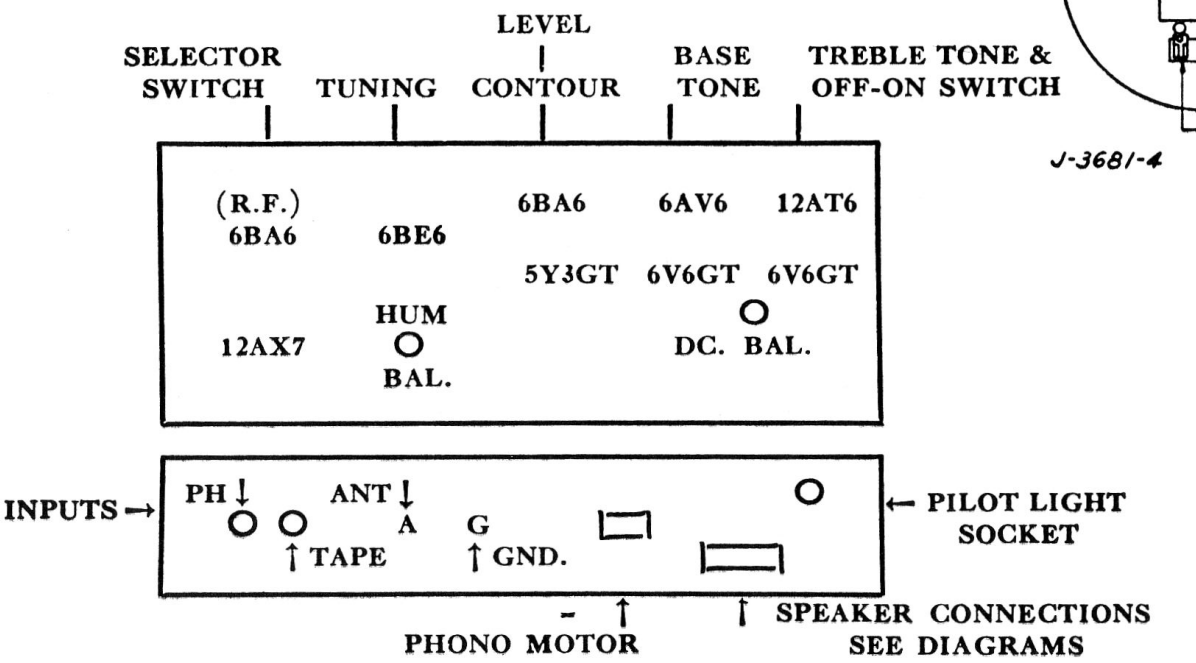
Undistorted Power Output at 400 C.P.S. — 10 Watts

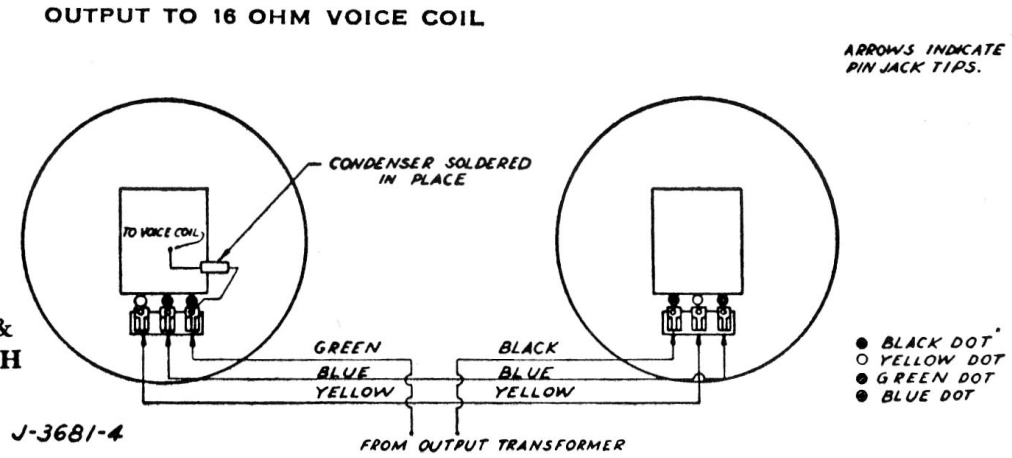
*With matched output Tubes ± 5%.

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 12AX7 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.

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





ALIGNMENT AND SENSITIVITY
SIGNAL GENERATOR MODULATED 30% AT 400 CY.

STEP	APPLY SIGNAL AT KC	APPLY SIGNAL TO	THRU SERIES DUMMY	SET GANG AT	ADJUST FOR MAX OUTPUT	NOMINAL SENSITIVITY FOR 500 MILLIWATTS OUTPUT
1	455	6BA6 I.F No. 1 PIN	.05	—	2ND I.F	THESE VALUES APPLY WITH TONE CONTROL IN MAX POSITION 4300 μV
2	455	6BE6 No. 7 PIN	.05	MIN. CAPACITY	1ST I.F 2ND I.F	160 μV
3	1460	6BA6 No. 1 PIN	.05	1460 KC.	OSC AND INTERSTAGE TRIMMERS	
4	1460	ANT.	400Ω	1460 KC.	ANTENNA & INTERSTAGE TRIMMERS	6 μV
5	600	ANT.	400Ω	600 KC.	INTERSTAGE SLUG	12 μV.

NOTE: C24 12AT7 Pin 1 to 2 deleted. 47K Res. 12AT7 Pin 2 to arm of treble tone control deleted.