

ALIGNMENT AND SENSITIVITY

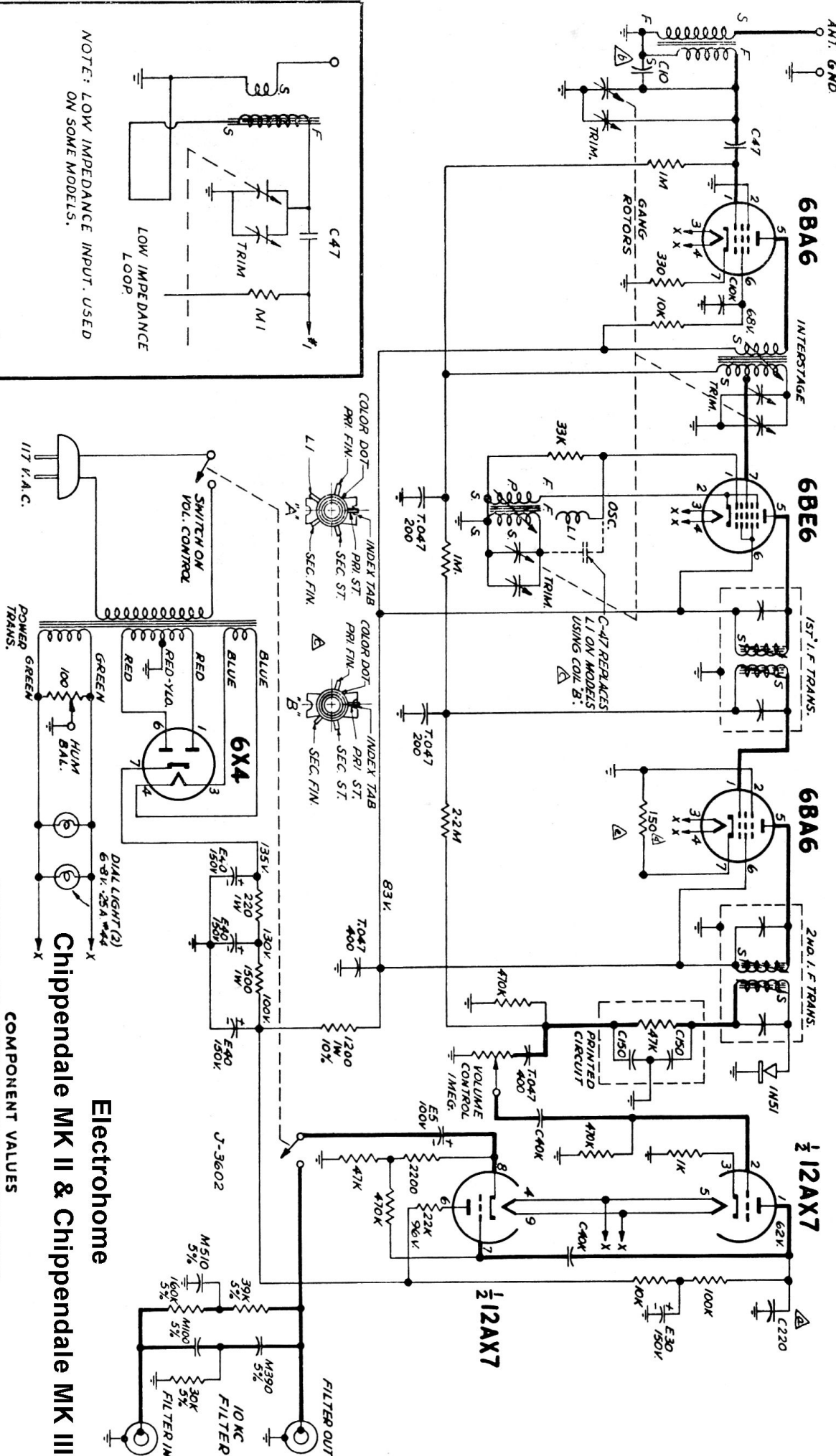
SIGNAL GENERATOR MODULATED 30% AT 400 CY.
NOMINAL SENSITIVITY FOR 3 VOLTS AT OUTPUT JACK

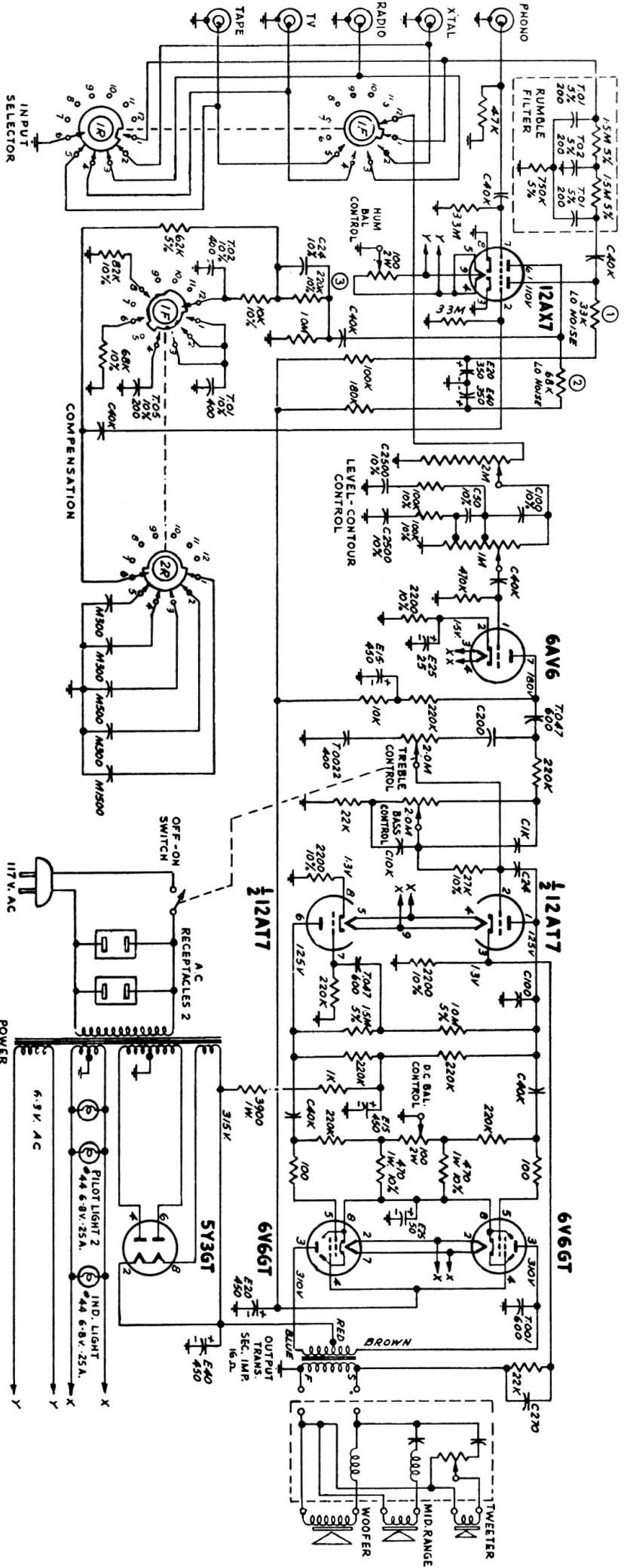
STEP	APPLY SIGNAL AT KC.	THRU SERIES DUMMY	SET GANG AT	ADJUST FOR MAX. OUTPUT
1	455	Δ 6B46 No. 1/PIN	—	2ND. I.F.
2	455	Δ 6BE6 No. 7/PIN	.05	1ST. I.F.
3	1460	Δ 6B46 No. 1/PIN	.05	2ND. I.F.
4	1460	ANT.	200 $\mu\mu\text{fd}$	OSC. AND INTERSTAGE TRIMMERS
5	600	ANT.	200 $\mu\mu\text{fd}$	ANTENNA & INTERSTAGE TRIMMERS

ANTENNA	INTERSTAGE	OSC. AND INTERSTAGE TRIMMERS
600 KC.	200 $\mu\mu\text{fd}$	5 $\mu\mu\text{f}$

CHANGE

C.N. NO.	DATE	CHANGE	SYMB.	CHK.
55-81	3-11-55	C220 COND. ADDED (22AX7 #1/PIN)	a	
55-107	4-7-55	C10 COND. ADDED (ANT. SEC. COIL)	b	
	3-6-56	COIL DETAILS & NOTE ADDED (C) START & FINISH ADDED TO ANT. COIL, ANT. LOADING COIL & OSC. COIL.	c	WFS
56-189	3-27-56	WAS 330 (d), DELTID CONDENSER T. 0.47 300 (R)	f	
56-366	5-11-56	CHANGED 12 V TUBES TO 6 V ON ALIGNMENT CHART	f	





- ① CHANGED TO 100K, 10-NOISE ON SOME
- ② CHANGED TO 100K, 10-NOISE MODELS.
- ③ CHANGED TO 100K ±10%

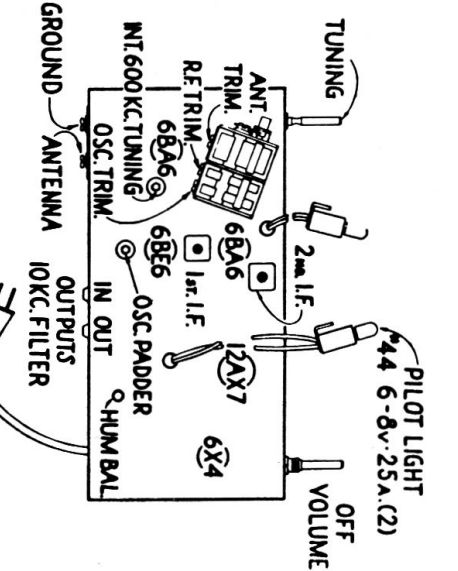
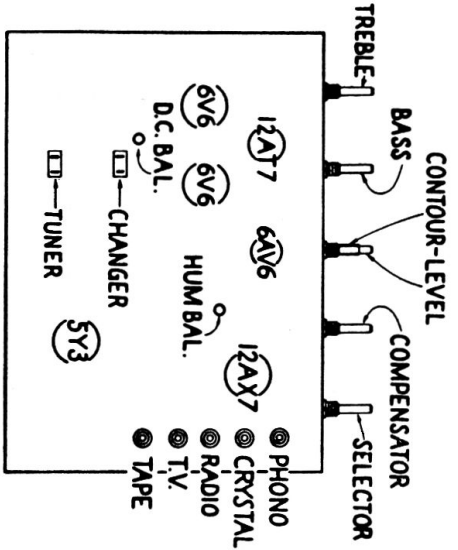
Electrohome Chippendale MK II & Chippendale MK III

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 CAP 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 MFD AND TOL IF CRITICAL.
 M = SILVER MICA, 10%, FOLLOWED BY CAPACITY IN MFD.

ALL VOLTAGES MEASURED TO CHASSIS WITH 20,000 OHM/VOLT METER
 AND AT ZERO SIGNAL OUTPUT.
 RECORD COMPENSATOR SWITCH SHOWN IN EARLY 78 (EXTREME
 COUNTER CLOCKWISE) POSITION.
 COMPENSATOR SWITCH SEQUENCE EARLY 78 - COL L P - R I A - LOW L P - F R R - FLAT.
 INPUT SELECTOR SWITCH SHOWN IN PHONO (EXTREME COUNTER CLOCKWISE
 POSITION).
 INPUT SELECTOR SWITCH SEQUENCE: PHONO (INTERNAL) - CRYSTAL - TUNER - TV - TAPE.



J-37M5

J-3739

TUNER: SPECIFICATIONS

Tuning Range	540 - 1650 Kc.
Intermediate Frequency	455 Kc.
Sensitivity	3 uv for .3V at Output Jack
Selectivity	12 Kc. wide at 10X down
Cathode Follower Output	2V, at less than 1% distortion
Response	± 3 db from 30 to 15,000 cycles
Power Consumption	22 Watts

AMPLIFIER:

With tone controls in flat position, level control fully clockwise, all measurements (nominal) taken at crystal input.

Frequency Response — 1W level ± 1 db, 30 cps to 15,000 cps.
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. — 15 Watts
Undistorted Power Output at 400 C.P.S. — 10 Watts
Power Consumption — 62 Watts. AMP. Changer — 15 Watts

AMPLIFIER

A-3051-1.....Glass Control Panel	
G-528-1.....Electrolytic—Single—25 ufd. x 25 W.V.	
G-591.....Electrolytic—Dual—15 & 15 ufd. x 450 W.V.	
G-643.....Electrolytic—Dual—40 & 20 ufd. x 350 W.V.	
G-503.....Electrolytic—Triple—40 & 20 ufd. x 450 W.V. 25 ufd. x 50 W.V.	
K-1736-1.....Colourtone Disc.	
K-1736-2.....Colourtone Disc.	
K-839.....Pilot Lamp 6.3V .15A #47	
K-771A.....Pilot Lamp 6.8V .25A #44	
LK-558-1.....Power Transformer 60 Cycle	
LK-537-1.....Power Transformer 25 Cycle	
LK-560-1.....Output Transformer	
Q-334-2.....Selector Switch—Compensator	
Q-335-2.....Selector Switch—Input	
R-375-13.....Bass Tone Control	
R-376-12.....Treble Tone Control	
R-442-2.....Level & Contour Control	
R-391-1.....Potentiometer—Hum and DC Balance	

TUNER

A-3053.....Glass Dial Scale	
B-4123-7.....Drive Shaft	
G-605-1.....Electrolytic—Single—5 ufd. x 50 W.V.	
G-628.....Electrolytic—Four Section	
K-1394.....Filpec—Printed Circuit	
K-771A.....Pilot Lamp 6.8V .25A #44	
K-1641.....Germanium Diode Detector 1N51	
LK-572-1.....Power Transformer	
MP-1204-48.....Pointer & Slider Assembly	
P-2654-2.....BC Ant. Loading Coil	
P-2704-1.....BC Interstage Coil	
P-2876-2.....BC Osc. Coil	
P-2923.....I.F. Transformer (1st & 2nd)	
R-336-3.....Volume Control & Switch	
R-391-1.....Potentiometer—Hum Balance	
V-387-1.....Gang Condenser	

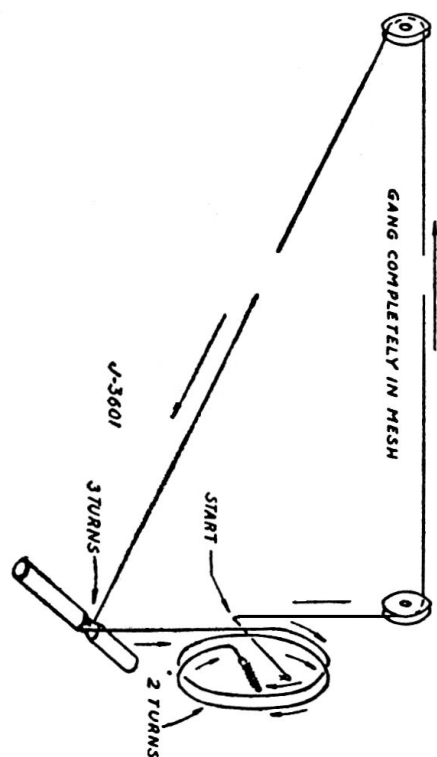
Electrohome Chippendale MK II & Chippendale MK III

Service men Please Note:

Hum Balance — It may be found necessary to adjust this control for minimum hum output — particularly when the 12AX7 tube is replaced. TUNER — Turn volume full on, set tone controls on the amplifier to positions of maximum boost and adjust control for minimum hum level.

AMPLIFIER — Set the bass tone control in its extreme right hand positions (position of maximum boost), the selector switch to phono position, the level and contour controls to extreme right hand positions, and adjust the hum-balancer for minimum hum level. Changer must be disconnected when this is done.

DC Balance Control. A DC balance control has been incorporated in this amplifier to permit proper balance of output circuitry resulting in minimum distortion.



INSTALLATION

A-3052.....Tuner Control Panel	
K-1546.....8" P.M. Speaker—Mid-range	
K-1561.....Tweeter Speaker	
K-1549.....12" P.M. Speaker—Woofer	
N-486-3.....Knob (Tuner)) on
N-485-2.....Knob	
N-486-6.....Knob (rear)) Amplifier
N-484-2.....Knob (front)	
K-1504-1.....Garrard RC-88 Changer 60 Cycle	
K-1595-2.....Garrard RC-88 Changer 25 Cycle	
K-1529-1.....G.E. Cartridge	