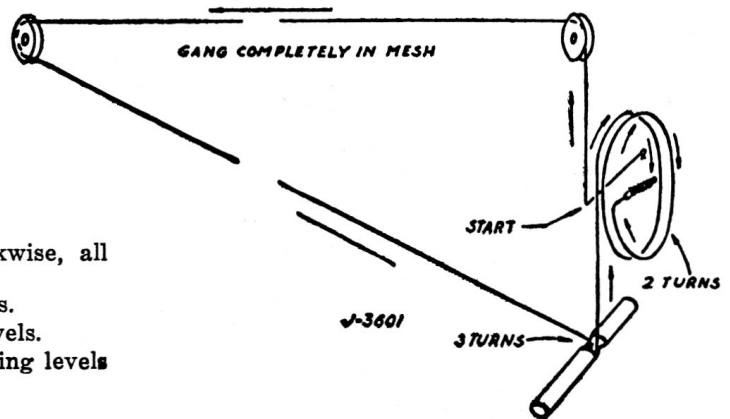


# Electrohome Chippendale HFT

## 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 .....  $\pm$  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  $\pm$  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

### Servicemen 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 it's 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.

## SERVICE REPLACEMENT PARTS LIST

### AMPLIFIER

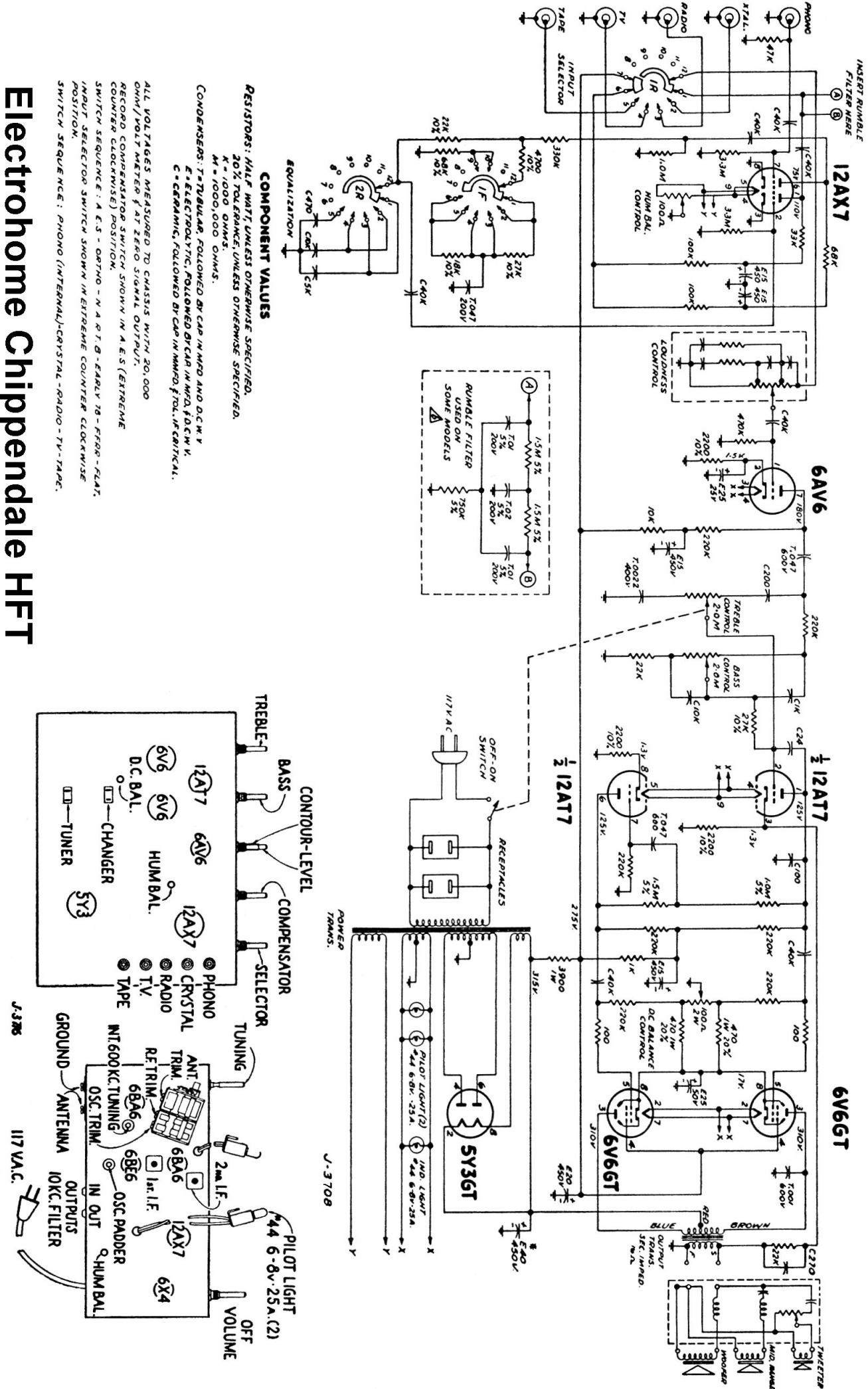
A-2896.....Glass Control Panel  
 G-528-1.....Electrolytic — Single — 25 ufd. x 25 W.V.  
 G-591.....Electrolytic — Dual — 15 & 15 ufd. x 450 W.V.  
 G-643.....Electrolytic — Dual — 40 & 20 ufd. x 350 W.V.  
 G-503.....Electrolytic — Triple — 40 & 20 ufd. x 450 W.V.  
 25 ufd. x 50 W.V.  
 K-771A.....Pilot 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-324-3.....Selector Switch — Compensator  
 Q-325-1.....Selector Switch — Input  
 R-375-5.....Bass Tone Control  
 R-376-4.....Treble Tone Control  
 R-416-1.....Level & Contour Control  
 R-391-1.....Potentiometer — Hum & DC Balance

### TUNER

A-2894.....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-2715-1.....BC Osc. Coil  
 P-2485R.....I.F. Transformer (1st & 2nd)  
 R-336-3.....Volume Control & Switch  
 R-391-1.....Potentiometer — Hum Balance  
 V-387-1.....Gang Condenser

### INSTALLATION

A-2895.....Tuner Control Panel  
 K-1546.....8" P.M. Speaker — Mid-range  
 K-1548 or  
 K-1561.....Tweeter Speaker K-1561 on some models  
 K-1549.....12" P.M. Speaker — Woofer  
 N-451-1.....Knob (Tuner)  
 N-451-2.....Knob  
 N-452-1.....Knob (rear) } on  
 N-453-1.....Knob (front) } Amplifier  
 P-2651-16.....Garrard RC-80M Changer 60 Cycle  
 P-2652-16.....Garrard RC-80M Changer 25 Cycle  
 K-1529-1.....G. E. Cartridge



INSERT RUMBLE FILTER HERE

12AX7

6AV6

1/2 12AT7

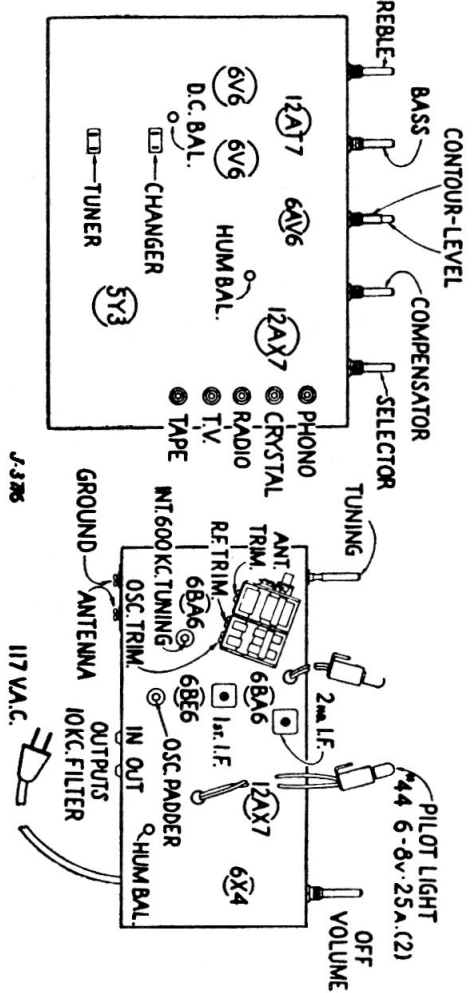
6V6GT

**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. V.  
 E = ELECTROLYTIC, FOLLOWED BY CAP IN MFD, F.D.C. V.  
 C = CERAMIC, FOLLOWED BY CAP IN MMFD, F.TOL. IF CRITICAL.

ALL VOLTAGES MEASURED TO CHASSIS WITH 20,000 OHM/VOLT METER AT ZERO SIGNAL OUTPUT.  
 RECORD COMPENSATOR SWITCH SHOWN IN A.E.S. (EXTREME COUNTER CLOCKWISE) POSITION.  
 SWITCH SEQUENCE: A.E.S. - OPTHO - N.A.R.T. - EARLY TB - FFRD - FLAT.  
 INPUT SELECTOR SWITCH SHOWN IN EXTREME COUNTER CLOCKWISE POSITION.  
 SWITCH SEQUENCE: PHONO (INTERNAL)-CRYSTAL - RADIO - TV - TAPE.

# Electrohome Chippendale HFT



J-378

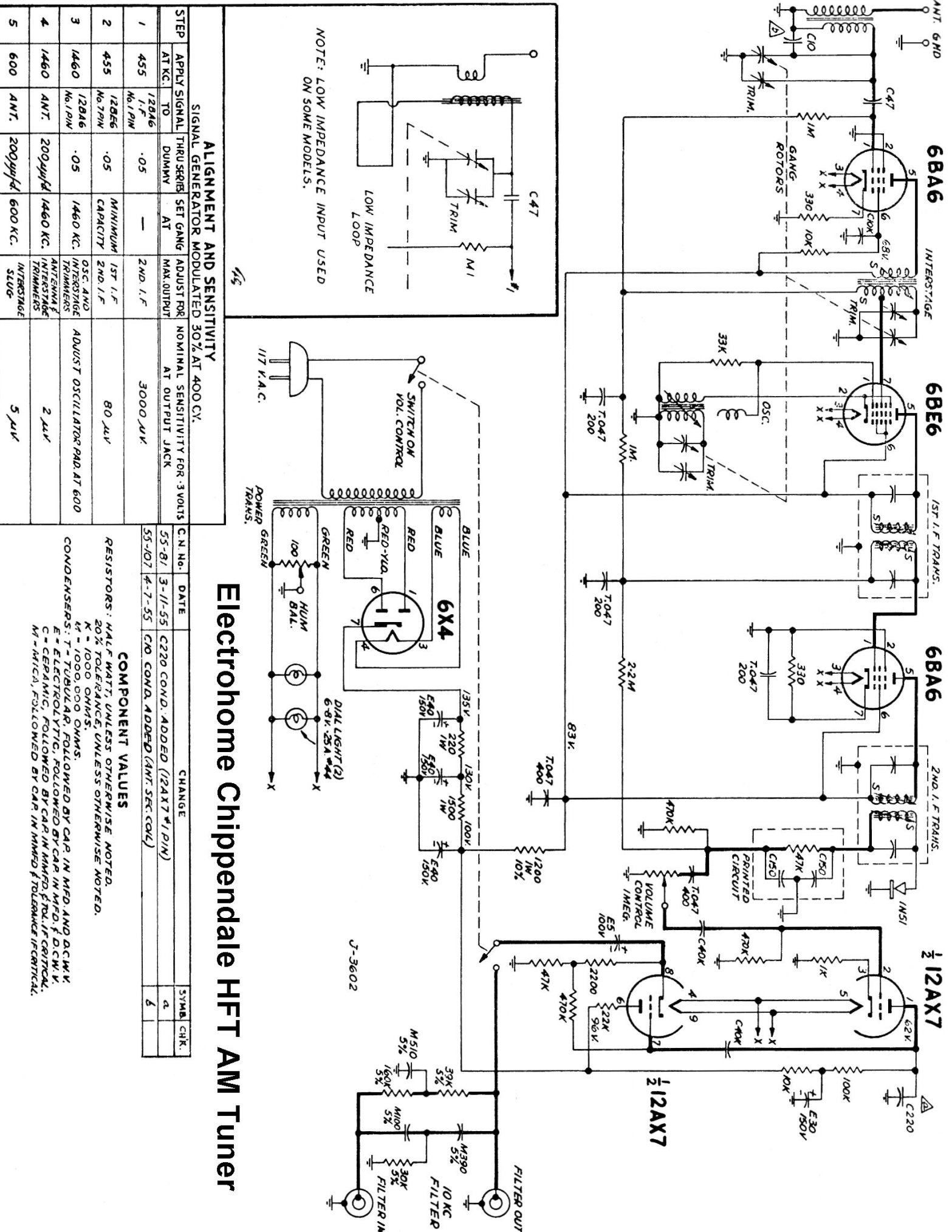
117 V.A.C.

POWERED TRANS.

J-3708

PILOT LIGHT  
 4.4 6-0V .25A. (2)

OFF VOLUME



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

STEP	APPLY SIGNAL THRU SERIES DUMMY AT KC.	SET GANG AT	ADJUST FOR MAX. OUTPUT	NOMINAL SENSITIVITY FOR -3 VOLTS AT OUTPUT JACK
1	455 128A6 1.7P No. 191W	.05	1ST I.F.	3000 $\mu$ V
2	455 128B6 No. 791W	.05	2ND I.F.	80 $\mu$ V
3	1460 128A6 No. 191W	.05	OSC. AND INTERSTAGE TRIMMERS	ADJUST OSCILLATOR PAD. AT 600
4	1460 ANT.	200 $\mu$ V	ANTENNA & INTERSTAGE TRIMMERS	2 $\mu$ V
5	600 ANT.	200 $\mu$ V	INTERSTAGE SLOUG	5 $\mu$ V

C. N. No.	DATE	CHANGE	SYMB.	CHK.
55-81	3-11-55	C220 COND. ADDED (12AX7 #1 P/N)	a	
55-107	4-7-55	C10 COND. ADDED (ANT. SEC. COIL)	d	

**COMPONENT VALUES**

RESISTORS: HALF WATT, UNLESS OTHERWISE NOTED.  
20% TOLERANCE, UNLESS OTHERWISE NOTED.  
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. & TOL. IF CRITICAL.  
M - MICCA, FOLLOWED BY CAP. IN MMFD. & TOLERANCE IF CRITICAL.

# Electrophome Chippendale HFT AM Tuner

