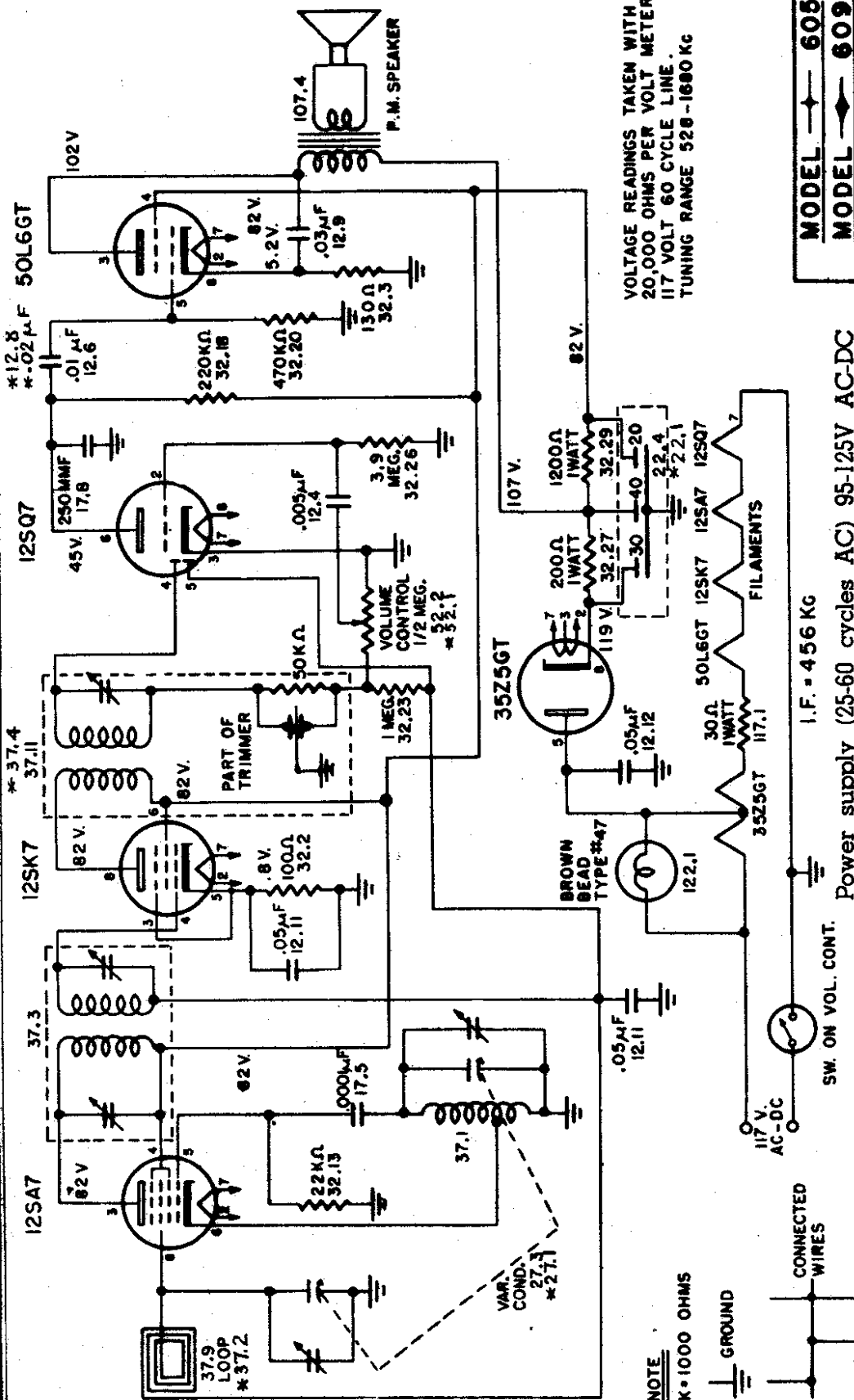


MODEL 605
MODEL 609

FADA RADIO & ELEC. CO. INC.



VOLTAGE READINGS TAKEN WITH
20,000 OHMS PER VOLT METER
117 VOLT 60 CYCLE LINE.
TUNING RANGE 528-1690 Kc

MODEL 605
MODEL 609
SCHEMATIC
FADA RADIO & ELECTRIC CO. INC.
LONG ISLAND CITY, N.Y. U.S.A.

MODELS 605 AND 609 ARE IDENTICAL WITH THE EXCEPTION OF THE .01- μ F CONDENSER, NO. 12.6, WHICH IN MODEL 609 IS .02 μ F, NO. 12.8. THOSE PARTS INDICATED BY AN ASTERISK (*) APPLY TO MODEL 609; OTHER PART NUMBERS ARE THE SAME FOR BOTH MODELS

Power supply (25-60 cycles AC) 95-125V AC-DC

Power consumption 30 Watts

Frequency Range 1680-530 KC

I.F. Circuits 456 KC

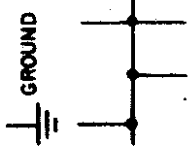
Speaker 4" P.M. 1 oz. Alnico V Magnet

Speaker Transformer 2500 ohms—400 cycles

Speaker Voice Coil 3.2 ohms

- Tubes: Osc.-Converter 12SA7GT
- I.F. Amplifier 12SK7GT
- Det. Avc. A.F. 12SQ7GT
- Power Output 50L6GT
- Rectifier 3525GT

NOTE
K=1000 OHMS



ALIGNMENT PROCEDURE

No attempt should be made to realign the various circuits until all other causes have been checked, unless the condition is so obvious as to indicate that realignment is necessary. Then proceed as follows:
Volume Control full on.
Low range A.C. meter connected across voice coil to indicate output.
Keep signal generator attenuated so as to maintain 1/2 scale reading on output meter.
Make certain that dial pointer is exactly on index line (top left side of dial plate) when variable condenser is fully meshed.

MODELS 605 AND 609

Receiver Dial at	Signal Generator	Dummy Antenna	Connect Signal Generator to	Refer to Chassis Layout for Location of Trimmers
1 Full Open	Exactly 456 KC	.1 MF	Control Grid (Top) Rear Section Variable Condenser	Adjust for Maximum Output T1, T2 & T3
2 Exactly 1680 KC	Exactly 1680 KC		Radiating Loop (1/2 meter) 20" from Receiver Loop	Adjust for Maximum Output T4
3 Approx. 1500 KC	Approx. 1500 KC		Radiating Loop (1/2 meter) 20" from Receiver Loop	Adjust for Maximum Output T5
4 Approx. 600 KC	Approx. 600 KC		Radiating Loop (1/2 meter) 20" from Receiver Loop	Check tracking and bend slotted end plate (rear section) of variable if necessary.
5				

605 SERIES PARTS LIST

Part No.	Description
12.4	Tubular Condenser .005 mf 600 V
12.6	Tubular Condenser .01 mf 400 V
12.9	Tubular Condenser .03 mf 400 V
12.11	Tubular Condenser .05 mf 400 V
12.12	Tubular Condenser .05 mf 400 V
17.5	Mica Condenser 100 mmf ± 10%
17.8	Mica Condenser 250 mmf ± 20%
22.4	3 Section Electrolytic Condenser
27.3	Variable Condenser 30-40-20 mf
37.1	Oscillator Coil 150 W.V.
37.9	Loop Antenna
37.3	Input I.F. Transformer complete
37.11	Output I.F. Transformer complete
52.2	Volume Control w/switch
72.1	Power Cord (Approved)
77.16	Dial Pointer
97.12W	Dial Scale (Calibrated)
142.4W	Cabinet—Walnut Bakelite
97.11	Cabinet Back
107.4	4" P.M. Speaker with Transformer
42.1	4" P.M. Speaker less Transformer
117.1	Speaker Transformer for Above 30 ohm 1 W Resistor

609 SERIES PARTS LIST

Part No.	Description
12.4	Tubular Condenser .005 mf 600 V
12.8	Tubular Condenser .02 mf 400 V
12.9	Tubular Condenser .03 mf 400 V
12.11	Tubular Condenser .05 mf 400 V
12.12	Tubular Condenser .05 mf 400 V
17.5	Mica Condenser 100 mmf ± 10%
17.8	Mica Condenser 250 mmf ± 20%
22.1	3 Section Electrolytic Condenser
27.1	Variable Condenser 30-40-20 mf
37.1	Oscillator Coil 150 W.V.
37.2	Loop Antenna
37.3	Input I.F. Transformer complete
37.4	Output I.F. Transformer complete
52.1	Volume Control with Switch
72.1	Power Cord (Approved)
77.1	Dial Pointer
77.6	Dial Scale (Calibrated)
77.7	Dial Crystal
97.2W	Cabinet Bakelite—Walnut
97.2V	Cabinet Bakelite—Ivory
97.3	Cabinet Back
142.4W	Cabinet Knobs—Walnut
142.4V	Cabinet Knobs—Ivory
107.1	4" P.M. Speaker with Transformer
107.2	4" P.M. Speaker less Transformer
42.1	Speaker Transformer for above
117.1	30 ohm 1-W. Resistor

