

ANT. RECEPT.  
INPUT CAP.  
25 MMF TO 250 MMF

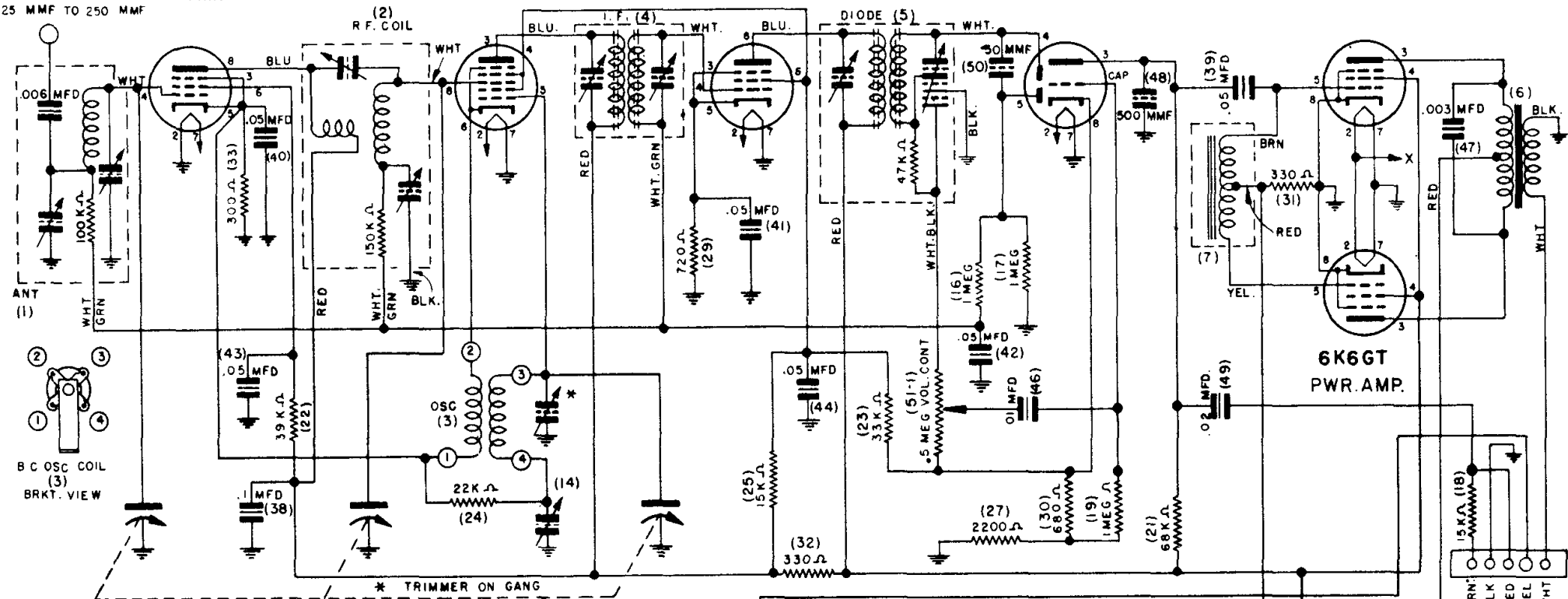
6SD7GT  
R.F. AMP.

6SA7GT  
OSC. MOD.

6SK7GT  
I.F. AMP.

6Q7GT  
DET. A.V.C. - A.F.

6K6GT  
PWR. AMP.



I.F. = 262 K.C.

FREQ. RANGE —  
545 KC TO 1600 KC

3 GANG COND (13)  
15 AMP FUSE  
FUSE LEAD ASSEM. (56)

DIAL LIGHT ASSEM (55) \*51D-L (57) D.L.  
SW. ON VOL. CONT (51-2)  
FIL CHOKE (11) X TO ALL FIL.  
VIB. CHOKE (9) S.P.

6X5GT RECT.  
10 MF 350V 15MF 350V  
20MF 25 V. (15)  
BASS  
VOICE MUSIC  
TONE SW. (52)  
3.0 V.C.  
(12) SPKR 7" ELECTRO

- |    |           |  |
|----|-----------|--|
| 1  | 1X26347   | ANTENNA COIL & SHIELD ASSEMBLY           |
| 2  | 1X26355   | R.F. COIL & SHIELD ASSEMBLY              |
| 3  | 2LX23092  | OSCILLATOR COIL                          |
| 4  | 1X26345   | I.F. COIL & SHIELD ASSEMBLY              |
| 5  | 1X26343   | DIODE COIL & SHIELD ASSEMBLY             |
| 6  | 2581799L  | OUTPUT TRANSFORMER                       |
| 7  | 25817770  | INPUT CHOKE (SHIELDED)                   |
| 8  | 25817975  | POWER TRANSFORMER                        |
| 9  | 2LX17819  | VIBRATOR CHOKE                           |
| 10 | 2LX20083  | TUBULAR "A" CHOKE                        |
| 11 | 2LX17818L | FILAMENT CHOKE                           |
| 12 | 50826339  | SPEAKER (7" ELECTRO)                     |
| 13 | 1X26342   | VARIABLE CONDENSER (3 GANG)              |
| 14 | 20K26352  | OSCILLATOR PADDER (325 MMF. NOM.)        |
| 15 | 23A17730  | ELECTROLYTIC COND. (15-10/350V.-20/25V.) |
| 16 | 606159    | CARBON RESISTOR (1.0 MEG-1/3-20) INS.    |
| 17 | 606159    | CARBON RESISTOR (1.0 MEG-1/3-20) INS.    |
| 18 | 60628L    | CARBON RESISTOR (15,000-1/3-20) INS.     |
| 19 | 606159    | CARBON RESISTOR (1.0 MEG-1/3-20) INS.    |
| 20 |           |  |
| 21 | 606256    | CARBON RESISTOR (68,000-1/3-20) INS.     |
| 22 | 606355    | CARBON RESISTOR (39,000-1/3-20) INS.     |
| 23 | 606012    | CARBON RESISTOR (53,000-1/2-20) INS.     |
| 24 | 606212    | CARBON RESISTOR (22,000-1/3-20) INS.     |
| 25 | 606271    | CARBON RESISTOR (15,000-1-20) INS.       |
| 26 |           |  |
| 27 | 606353    | CARBON RESISTOR (2200-1/3-10) INS.       |
| 28 | 606184    | CARBON RESISTOR (1000-1-20) N.I.         |
| 29 | 606217    | CARBON RESISTOR (720-1/3-10) INS.        |
| 30 | 606386    | CARBON RESISTOR (680-1/3-10) INS.        |

- |    |            |                                     |
|----|------------|-------------------------------------|
| 31 | 60625L     | CARBON RESISTOR (330-1-10) INS.     |
| 32 | 606010     | CARBON RESISTOR (330-1/2-20) INS.   |
| 33 | 606346     | CARBON RESISTOR (300-1/3-10) INS.   |
| 34 | 606005     | CARBON RESISTOR (50-1/2-20) N.I.    |
| 35 | 606005     | CARBON RESISTOR (50-1/2-20) N.I.    |
| 36 | BA17076    | TUBULAR CONDENSER (.5-100V.)        |
| 37 | BA3376     | TUBULAR CONDENSER (.25-100V.)       |
| 38 | BA13166    | TUBULAR CONDENSER (.1-100V.)        |
| 39 | BA11791    | TUBULAR CONDENSER (.05-100V.)       |
| 40 | BA13514    | TUBULAR CONDENSER (.05-100V.)       |
| 41 | BA13514    | TUBULAR CONDENSER (.05-100V.)       |
| 42 | BA13514    | TUBULAR CONDENSER (.05-100V.)       |
| 43 | BA12841    | TUBULAR CONDENSER (.05-300V.)       |
| 44 | BA12841    | TUBULAR CONDENSER (.05-300V.)       |
| 45 | BA10432    | TUBULAR CONDENSER (.01-1000V.)      |
| 46 | BA1400     | TUBULAR CONDENSER (.01-100V.)       |
| 47 | BK13165    | TUBULAR CONDENSER (.003-1000V.) 20% |
| 48 | 2186500    | MOLDED MICA COND. (500 MMF.) 20%    |
| 49 | BA12699    | TUBULAR CONDENSER (.02-100 V.)      |
| 50 | 21A12843   | CERAMIC CONDENSER (50 MMF.)         |
| 51 | 1BA17767   | VOL. CONT. & SWITCH (.5 MEG.)       |
| 52 | 40A26887   | TONE CONTROL SWITCH (3 POS.)        |
| 53 | 4BA5067 or |                                     |
|    | 4BA5333    | VIBRATOR                            |
| 54 | 65X4165    | FUSE (15 AMP.) 3AG                  |
| 55 | 1X4181     | DIAL LIGHT ASSEMBLY                 |
| 56 | 1X17868    | FUSE LEAD ASSEMBLY                  |
| 57 | 65X4151    | BULB (WHITE BEAD) #51               |

**Motorola**

Model 401

# SENSITIVITY AND STAGE GAIN MEASUREMENTS

Average Microvolt Input *	Generator Set At	Generator Feeder Connected To	Dummy Antenna Capacity	Leak Resistance	Output Meter Reading **
2,800	262 K.C.	I.F. Grid	.1 Mfg.	.5 Meg.	1.74
420	262 K.C.	Mod. Grid	.1 Mfg.	.5 Meg.	1.74
510	600 K.C.	Mod. Grid	.1 Mfd.	.5 Meg.	1.74
8	600 K.C.	R.F. Grid	.1 Mfd.	.5 Meg.	1.74
2	600 K.C.	Ant. Lead	***	None	1.74

Volume Control Set At Maximum

\* 1 Watt = 1.74 Volts

Tone Control Set At Voice

\*\* Output meter connected across voice coil.

\*\*\* Use Special Dummy Part No. 1X26767 or  
Booster Coil Part No. 24A26751 in series  
with a 35 Mmf. Condenser.

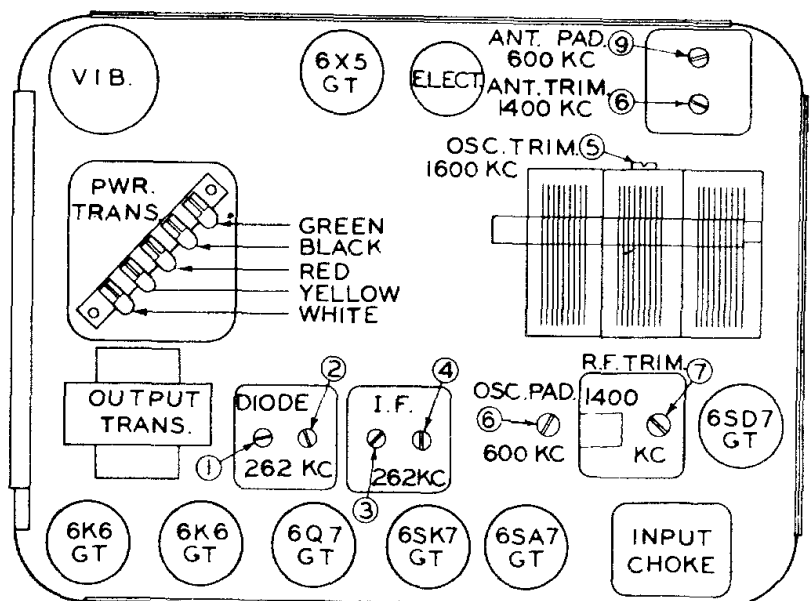
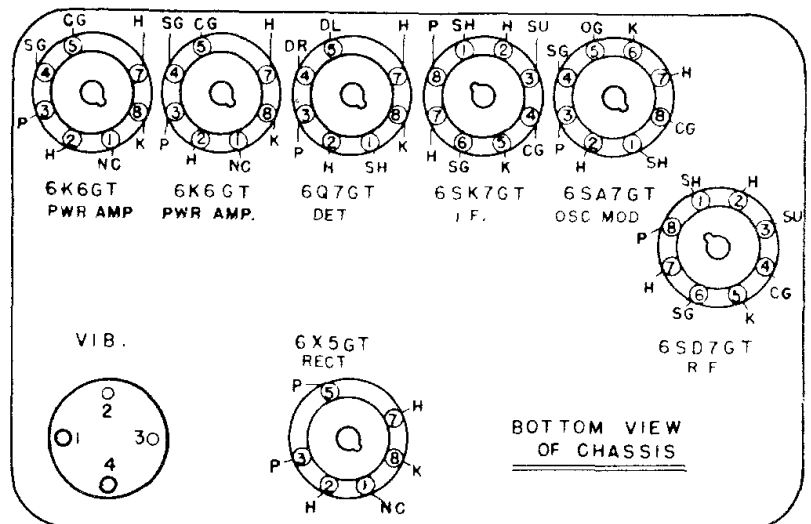
## ALIGNMENT CHART

perations In Order	Gang Condenser Set At	Dummy Antenna	Generator Connected To	Adjust Trimmers No.	Generator Set At
1	Minimum	.1 Mfd.	Osc.-Mod. Grid	1-2-3-4	262 K.C.
2	1600 K.C.	.1 Mfd.	Osc.-Mod. Grid	5	1600 K.C.
3	600 K.C.	.1 Mfd.	Osc.-Mod. Grid	6	600 K.C.
4	1400 K.C.	*	To Special Dummy	7	1400 K.C.
5	1400 K.C.	*	To Special Dummy	8	1400 K.C.
6	600 K.C.	*	To Special Dummy	9	600 K.C.

Use Special Dummy Part No. 1X26767 or Booster Coil Part No. 24A26751 in series with a 35 Mmf. Condenser.

VOLTAGE CHART.				
TUBE		PLATE TO GND	SCREEN TO GND	CATH. TO GND
6SD7GT	R.F. AMP	190 V.	125 V.	3 V.
6SA7GT	OSC. MOD.	190 V.	60 V.	3 V.
6SK7GT	I.F. AMP	195 V.	60 V.	2.75 V.
6Q7GT	DET. A.V.C.-A.F.	130 V	—	6.5 V.
6K6GT	PWR. AMP	220 V	195 V.	0
6K6GT	PWR. AMP	220 V.	195 V.	0
6X5GT	RECT.	A.C.	—	225 V.

ALL VOLTAGES MEASURED WITH  
1000 OHM PER VOLT VOLTMETER



**Galvin Mfg. Corp.**  
4545 Augusta Blvd.  
Chicago, Illinois

**MOTOROLA**

**Model 401**