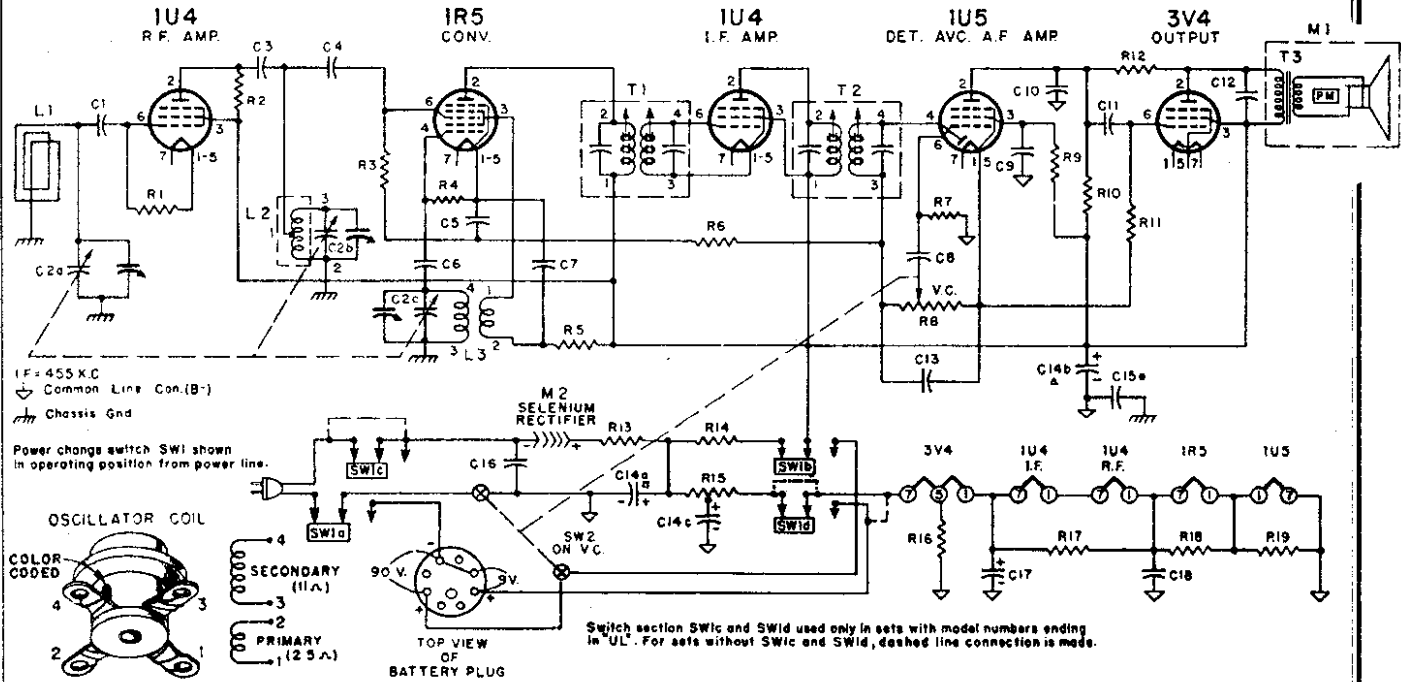


MODEL 6C11, CHASSIS 6C1

ADMIRAL CORPORATION



VOLTAGE DATA

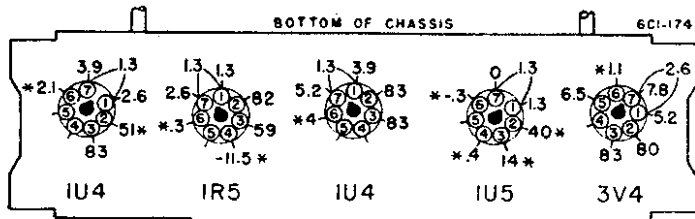
Voltage readings taken between tube socket terminals and B minus (metal shell of electrolytic condenser).

Dial set to low frequency, no signal, and volume control minimum.

Measurements made from 117 volts AC line. If measured from DC line, voltages may be slightly lower.

Voltage readings taken with a vacuum tube voltmeter. Socket terminals marked with an asterisk * indicate much lower voltage or zero voltage if measured with a 1000 ohm-per-volt meter.

If measurements are made on battery operation, tube filament and B plus voltages will vary with the condition of the batteries. These voltages will equal the terminal voltage of the A or B battery minus the voltage drop through components.



* If taken with a 1000 ohm-per-volt meter, readings will be lower or zero.

RESISTORS

Symbol	Description	Part No.
R1	2.2 Megohms, 1/4 Watt	60B 27-225
R2	27,000 Ohms, 1/4 Watt	60B 26-273
R3	1 Megohm, 1/4 Watt	60B 27-105
R4	100,000 Ohms, 1/4 Watt	60B 27-104
R5	8,200 Ohms, 1/4 Watt	60B 26-822
Note: In some sets, R5 was 10,000 Ohms; other sets used pair of 18,000 Ohm resistors in parallel.		
R6	3.3 Megohms, 1/4 Watt	60B 27-335
R7	10 Megohms, 1/4 Watt	60B 27-106
R8	1 Megohm, Volume Control and On-Off Switch	75B 1-26
R9	4.7 Megohms, 1/4 Watt	60B 27-475
R10	470,000 Ohms, 1/4 Watt	60B 27-474
R11	2.2 Megohms, 1/4 Watt	60B 27-225
R12	5.6 Megohms, 1/4 Watt	60B 26-565
R13	47 Ohms, 1 Watt	60B 14-470
R14	2,700 Ohms, 1 Watt	60B 14-272
R15	2,400 Ohms, 2.5 Watt Tapped Candohm	61A 5-3
R16	1,500 Ohms, 1/4 Watt	60B 26-152
R17	820 Ohms, 1/4 Watt	60B 26-821
R18	220 Ohms, 1/4 Watt	60B 26-221
R19	150 Ohms, 1/4 Watt	60B 26-151

CONDENSERS

C1	250 mmfd., Ceramic	65B 6-5
C2a	Gang, 420.0 mmfd. (max.) Ant. Section	
C2b	Gang 193.8 mmfd. (max.) RF Section	68B 10
C2c	Gang, 90.0 mmfd. (max.) Osc. Section	

COILS, TRANSFORMERS, ETC.

Symbol	Description	Part No.
C3	100 mmfd., Ceramic	65B 6-3
C4	250 mmfd., Ceramic	65B 6-5
C5	100 mmfd., Ceramic	65B 6-3
C6	.05 mfd., 200 Volts, Paper	64B 1-32
C7	.001 mfd., Ceramic (tolerance -0%, +20%)	65B 6-41
C8	.005 mfd., 600 Volts, Paper	64B 1-12
C9	.05 mfd., 200 Volts, Paper	64B 1-32
C10	100 mmfd., Ceramic	65B 6-3
C11	.005 mfd., 600 Volts, Paper	64B 1-12
C12	.001 mfd., Ceramic (tolerance -0%, +20%)	65B 6-41
C13	250 mmfd., Ceramic	65B 6-5
C14a	30 mfd., 150 Volts	
C14b	40 mfd., 150 Volts Elect.	67C 7-52
C14c	20 mfd., 150 Volts	
C15	.18 mfd., 200 Volts, Paper	64A 2-2
Note: In sets with model numbers ending in "UL", C15 is .1 mfd., 400 V.		
C16	.05 mfd., 400 Volts, Paper	64B 1-22
C17	100 mfd., 25 Volts, Elect.	67A 4-6
C18	.25 mfd., 200 Volts, Paper	64B 1-28
L1	Antenna, Loop	69B 61
L2	Coil, RF	69B 58
L3	Coil, Oscillator	69A 57
T1	Transformer, 1st IF	72B 55
T2	Transformer, 2nd IF	72B 56
T3	Transformer, Output	98A 21
M1	Speaker (4"x6" PM) and Output Transformer	78B 38-1
M2	Rectifier, Selenium	93A 1-4
SW1	Switch, Power Change DPDT, for "N" models	77A 19-2
	4PDT, for "UL" models	77A 19-1
SW2	Switch, On-Off	(Part of R8)

PLASTIC CABINET PARTS

Description	Part No.
Body, Cabinet (less all other parts)	34D 21-1
Lid, Cabinet (less all other parts)	34D 21-2
Cover, Antenna (for inside lid)	34D 21-3
Escutcheon & Grille (front)	23D 33-1
Handle, Carrying (less all other parts)	34D 21-4
Knobs	
"Volume"	33B 35-1
"Tuning"	33B 35-2

MISCELLANEOUS

Baffle Board, Speaker	43A 52
Bag, Waxed Paper Shipping	45A 4-8
Carton and Fillers	44B 113
Catch Pin, Lid (on Monogram)	23B 31-2
Clip, Antenna	90A 2-3
Cover & Hinge Assembly, Bottom	A1773
Cover, Chassis (metal)	15C 301
Grille Cloth (10 1/2"x4 1/2")	36B 3-11
Hinge and Bracket, Cover (right side)	A1670
Hinge and Bracket, Cover (left side)	A1669
Hinge and Spring (Bottom Cover)	37A 14
Monogram, Admiral	23B 31-1
Plate, Electrolytic Mounting	67A 2-1
Plug, Battery	88A 3-3
Pointer, Dial Tuning	25A 32
Snap Button	13A 1-1-47
Speed Nut (for Battery Strap)	2A 9-5
Speed Nut (Monogram mounting)	2B 10-23-68
Spring, Lid Catch Pin	19A 29
Tube Socket	87A 3-4

ALIGNMENT PROCEDURE

- Use battery power for alignment if fresh batteries are available.
- When using AC power, an isolation transformer should be used if available. If not using an isolating transformer, connect a .1 mfd. condenser in series with the signal generator low side to B minus of radio chassis.
- Connect loop antenna and maintain same relative position as when in cabinet.
- Set volume control full on.
- Connect output meter across speaker voice coil.
- Use lowest output setting of signal generator capable of producing adequate output meter indication and then proceed as outlined below.
- Repeat adjustments to insure good results.

NOTE

To avoid splitting the slotted head of powdered iron core tuning slugs in I.F. transformer, use an alignment tool with a screw driver blade 1/8" wide.

Step	Dummy Antenna in Series with Signal Generator	Connection of Signal Generator (High Side)	Signal Generator Frequency	Receiver Gang Setting	Trimmer Description	Trimmer Designation	Type of Adjustment
1	.001 mfd. when using A. C. .1 mfd. when using Battery	Grid of IR5 (Pin 6)	455 KC	Gang fully open	2nd IF 1st IF	A, B C, D (see note below)	Maximum output
2	.001 mfd. when using A. C. .1 mfd. when using Battery	Grid of IR5 (Pin 6)	1620 KC	Gang fully open	Oscillator (on gang)	E	Maximum output
3	.001 mfd. when using A. C. .1 mfd. when using Battery	Tuning condenser, antenna stator	1400 KC	Tune in generator signal	R. F. (on gang)	F	Maximum output
Install chassis in cabinet. Connect loop antenna.							
4	Loop of several turns of wire, or place generator lead close to receiver loop for adequate signal.	No physical connection (signal by radiation)	1400 KC	Tune in generator signal	Antenna (on gang)	G	Maximum output

Mount dial pointer. Set pointer at 1400 K.C. with gang condenser tuned to 1400 K.C. signal.

NOTE: Adjustments B and D are made from underside of chassis.

REPLACEMENT OF BATTERY PACK

Replace A-B battery pack with Ensign type AB50 pack, Ray-O-Vac AB994, General 60A-6F6-5, Burgess F6A60 or other equivalent.

Electrical characteristics of the recommended battery packs provide for equal life for both the A and B sections. The A section may give satisfactory performance as low as 6.6 volts, the B section as low as 60 volts. Replace battery pack when reception is weak and voltage has dropped below values given above.

To install a replacement battery pack, first remove the six screws that hold the metal bottom cover to the cabinet. (See illustration.) The battery pack is strapped to the bottom cover and will come out when the cover is removed. Pull out the battery plug, loosen the screw which holds the battery strap tight, and slide out the old battery pack.

Slip a new battery pack into place, tighten the screw which tightens the strap around the battery, plug in the battery plug and re-install the bottom cover.

TUBE AND TRIMMER LOCATION

