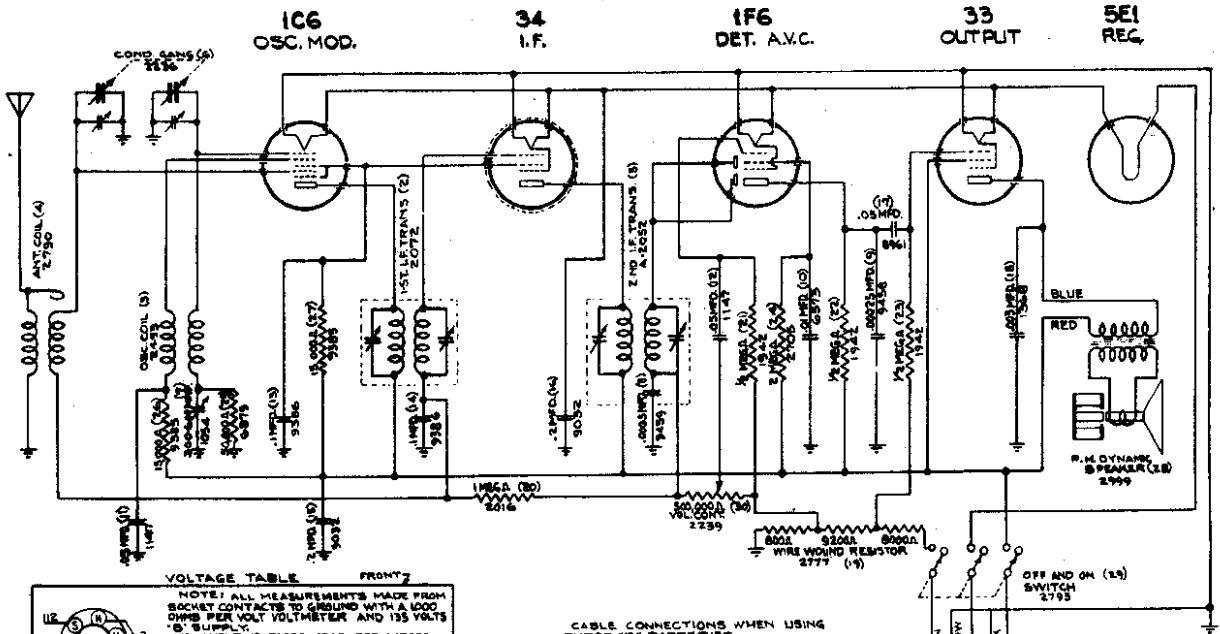


Chassis 60B
Schematic, Voltage, Socket
Trimmers, Layout

ALLIED RADIO CORP.

MODELS A9760, A9761, A9762
A9826, A9828



VOLTAGE TABLE

NOTE: ALL MEASUREMENTS MADE FROM SOCKET CONTACTS TO GROUND WITH A 100 OHMS PER VOLT VOLTMETER AND 135 VOLTS "B" SUPPLY. FILAMENT VOLTAGES MEASURED ACROSS SOCKET TERMINALS WITH A 3-VOLT DRY "A" BATTERY AS SUPPLY. WHEN A 2-VOLT STORAGE BATTERY IS USED THE 5E1 FILAMENT VOLTAGE WILL VARY SLIGHTLY.

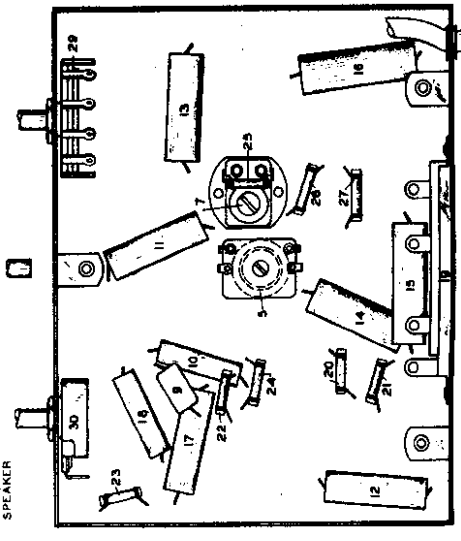
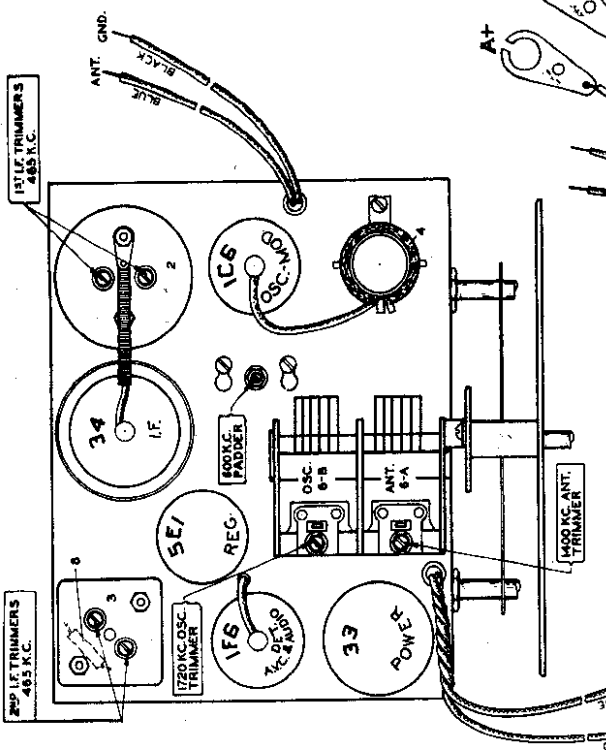
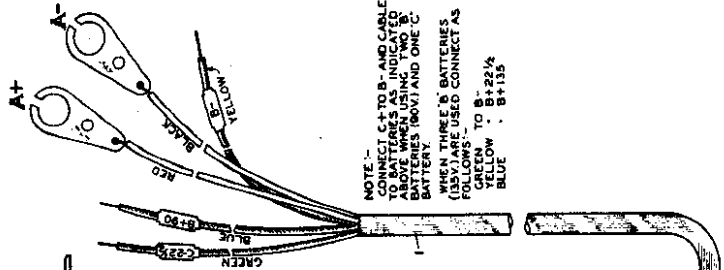
1C6: OSC. GRID, OSC. PLATE, 5E1: HEATER, X: CATHODE

Terminal	Color	Voltage
G <td>Green <td>+22½</td> </td>	Green <td>+22½</td>	+22½
B <td>Yellow <td>-</td> </td>	Yellow <td>-</td>	-
A <td>Blue <td>+90</td> </td>	Blue <td>+90</td>	+90
A <td>Black <td>+1</td> </td>	Black <td>+1</td>	+1
A <td>Red <td>+1</td> </td>	Red <td>+1</td>	+1

CABLE CONNECTIONS WHEN USING THREE 'B' BATTERIES:
GREEN - G-22½
YELLOW - B-
BLUE - A-+90
BLACK - A-+
RED - A-+

CABLE CONNECTIONS WHEN USING TWO 'B' BATTERIES AND ONE 'C' BATTERY:
GREEN - G-22½
YELLOW - B-
BLUE - A-+90
BLACK - A-+
RED - A-+

I.F. - 465 K.C.



MODELS A9760, A9761, A9762
A9826, A9828

ALLIED RADIO CORP.

Chassis 60B
Alignment, Coils, Parts

Alignment of this receiver should never be necessary unless one of the coils has been replaced.

Lack of sensitivity, selectivity or poor tone quality may be due to any one or a combination of causes such as weak or defective tubes or speaker, improperly connected or low batteries, open or grounded bias resistor, bypass condenser, inadequate or excessively long antenna, etc. Never attempt to realign set until all other possible sources of trouble have been first thoroughly investigated and definitely proven not to be the cause.

NOTE: BE SURE TO FOLLOW PROCEDURE CAREFULLY WHEN ALIGNING. OTHERWISE THE RECEIVER WILL BE INSENSITIVE AND THE DIAL CALIBRATION WILL BE INCORRECT.

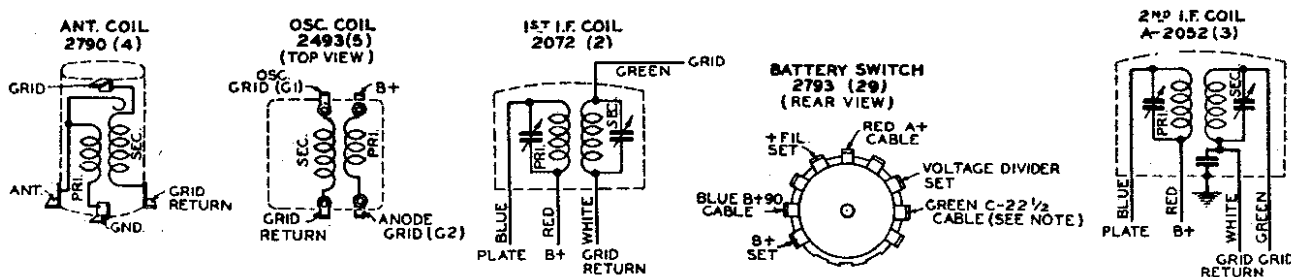
IT IS ABSOLUTELY NECESSARY THAT AN ACCURATELY CALIBRATED TEST OSCILLATOR WITH SOME TYPE OF OUTPUT MEASURING DEVICE BE USED WHEN ALIGNING THE RECEIVER.

ALIGNING I. F. STAGE AT 465 KILOCYCLES:

- (a) Connect the ground lead of the test oscillator to the chassis or set ground lead. Connect the other lead of the test oscillator to the grid cap of the IC6 tube through a .02 Mfd. series condenser. **DO NOT REMOVE GRID CLIP.**
- (b) Set test oscillator to **EXACTLY 465 kilocycles** and turn receiver volume control on full.
- (c) Peak each of the second I. F. transformer trimmers.
- (d) Peak each of the first I. F. transformer trimmers.
To assure most accurate trimmer setting repeat above adjustment several times always using lowest possible test oscillator output consistent with readable output meter scale deflection.

ALIGNING ANTENNA AND OSCILLATOR CIRCUIT:

- (a) Remove test oscillator lead from grid of the IC6 tube and attach it to the receiver antenna lead through a .00025 Mfd. series condenser.
- (b) Check tuning dial adjustment by turning gang condenser until plates touch maximum capacity stop (completely in mesh), at which point the dial needle must be exactly even with the last line at the low frequency end of the dial calibration. If the dial needle does not point exactly to the last line move needle to correct position.
- (c) Set receiver dial and test oscillator frequency to **EXACTLY 1720 kilocycles.**
- (d) Bring in 1720 KC test oscillator signal to maximum output by adjusting the trimmer condenser mounted on top of the oscillator section of the gang condenser.
Looking at the front of the receiver the rear section of the gang condenser is the oscillator section.
- (e) Tune receiver dial and set test oscillator frequency to **EXACTLY 1400 kilocycles.**
- (f) Adjust trimmer on top of the front section gang condenser (antenna section) for maximum 1400 kilocycle test signal response.
- (g) Tune receiver dial and set test oscillator frequency to approximately 600 kilocycles.
- (h) While rocking the tuning condenser back and forth adjust 600 KC oscillator padder condenser which is accessible through the hole in the top of the chassis adjacent to the gang condenser for maximum 600 kilocycle signal response.



Illus. No.	Part No.	Part Name	Description	List Price
1	2240	Cable	5 Conductor Battery	.68
2	2072	Coil	1st I. F. Trans.	1.35
3	2052	Coil	2nd I. F. Trans.	1.90
4	2790	Coil	Antenna	1.00
5	2493	Coil	Oscillator	.55
6	2236	Condenser	Two Gang Tuning	2.50
7	1054	Condenser	Padding (300-600 M.M.F.)	.55
8	9459	Condenser	Mica 0.0005 Mfd.	.21
9	9458	Condenser	Mica 0.00025 Mfd.	.21
10	6573	Condenser	Tubular 0.01 Mfd. 200 Volt	.17
11	1147	Condenser	Tubular 0.05 Mfd. 200 Volt	.19
12	1147	Condenser	Tubular 0.05 Mfd. 200 Volt	.19
13	9386	Condenser	Tubular 0.1 Mfd. 200 Volt	.19
14	9386	Condenser	Tubular 0.1 Mfd. 200 Volt	.19
15	9032	Condenser	Tubular 0.2 Mfd. 200 Volt	.23
16	9032	Condenser	Tubular 0.2 Mfd. 200 Volt	.23
17	8961	Condenser	Tubular 0.05 Mfd. 400 Volt	.19
18	1368	Condenser	Tubular 0.003 Mfd. 400 Volt	.17
19	2777	Resistor	Wire Wound 18,000 Ohm	.63
20	2016	Resistor	Carbon 1 Meg Ohm 1/3 Watt Ins.	.19

Illus. No.	Part No.	Part Name	Description	List Price
21	1942	Resistor	Carbon 1/2 Meg Ohm 1/3 Watt Ins.	.19
22	1942	Resistor	Carbon 1/2 Meg Ohm 1/3 Watt Ins.	.19
23	1942	Resistor	Carbon 1/2 Meg Ohm 1/3 Watt Ins.	.19
24	2705	Resistor	Carbon 2 Meg Ohm 1/3 Watt Ins.	.19
25	6679	Resistor	Carbon 50,000 Ohm 1/3 Watt Ins.	.19
26	9385	Resistor	Carbon 15,000 Ohm 1/3 Watt Ins.	.19
27	9385	Resistor	Carbon 15,000 Ohm 1/3 Watt Ins.	.19
28	2999	Speaker	F. M. Dynamic (6")	5.50
29	2793	Switch	On-Off (3 pole 2 Pos.)	.69
30	2239	Switch	Volume Control	.80
MISCELLANEOUS				
	9987	Base	Tube Shield	.05
	3183	Dial Assembly	Complete Tuning, Mention Required Name	2.25
	3177	Dial Scale	Calibrated Scale, Mention Required Name	.48
	2795	Dial Indicator	Off & On Scale for Dial	.27
	2796	Glass	For Dial	.95
	3031	Knob	Small	.19
	3032	Knob	Large	.18
	3043	Pointer	For Tuning Dial	.15
	1411	Shield	Tube	.14

Prices are subject to change without notice.

Part No. 60B