

Allied Radio Corp.

Model: 6B-122

Chassis:

Year: Pre 1948

Power:

Circuit:

IF:

Tubes:

Bands:

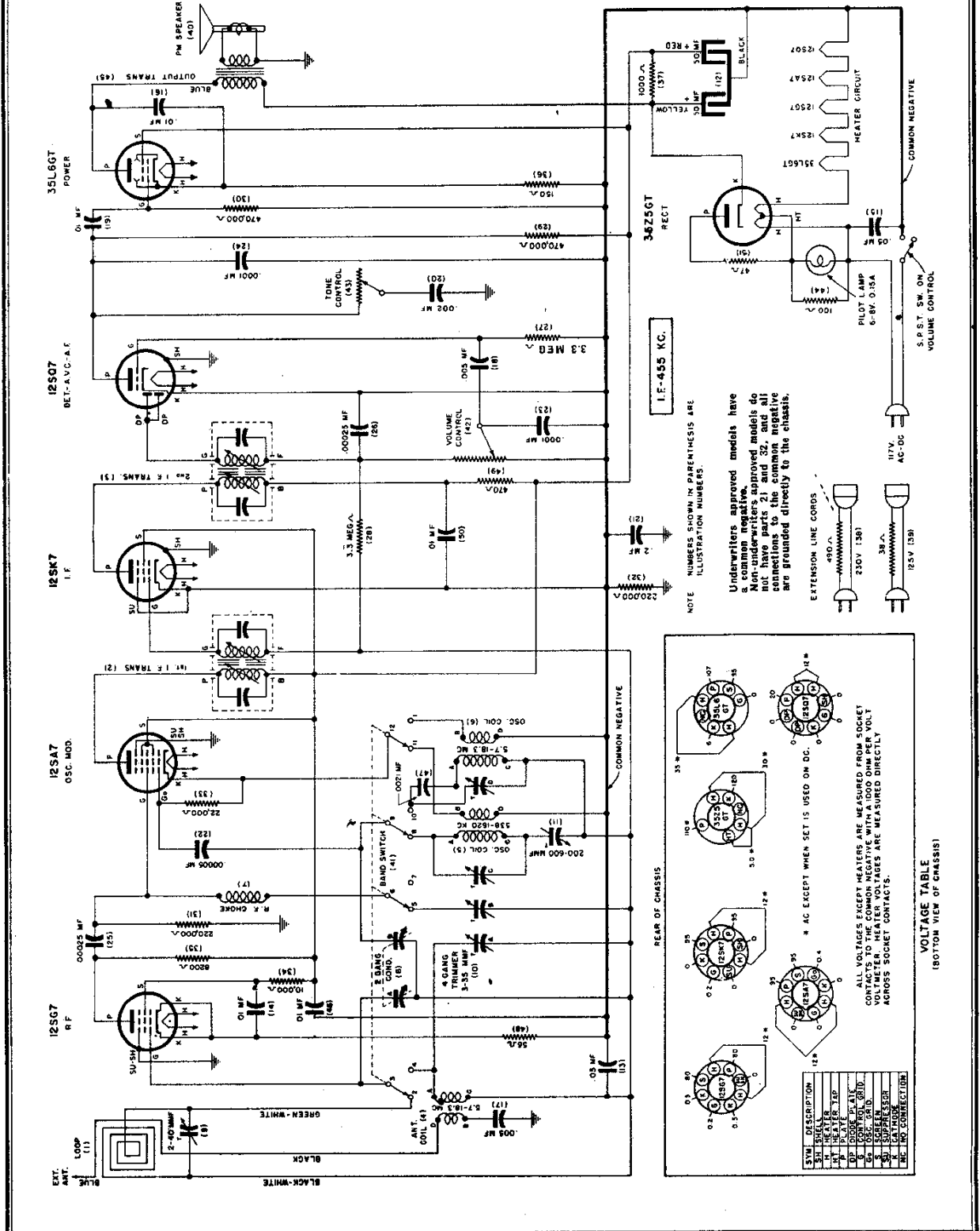
Resources

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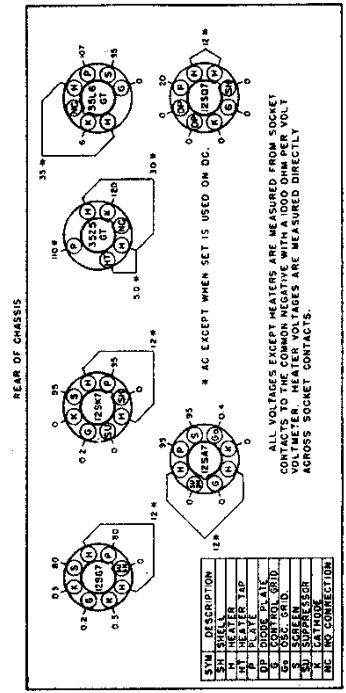
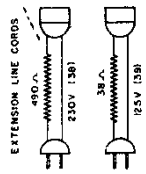
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ALLIED RADIO CORP.



NOTE: NUMBERS SHOWN IN PARENTHESES ARE ILLUSTRATION NUMBERS.

Underwriters approved models have common negative connections. Underwriters approved models do not have parts 21 and 32, and all connections to the common negative are grounded directly to the chassis.



SYM.	DESCRIPTION
ANT.	ANTENNA
H.	HEATER
HT.	HEATER TAP
DP.	DOOR PLY
LD.	LOAD
GR.	GRID
S.	SCREEN
SH.	SHIELD
SO.	SUPPLIER
NO.	NO CONNECTION

VOLTAGE TABLE (BOTTOM VIEW OF CHASSIS)

MODEL 6B-122

ALLIED RADIO CORP.

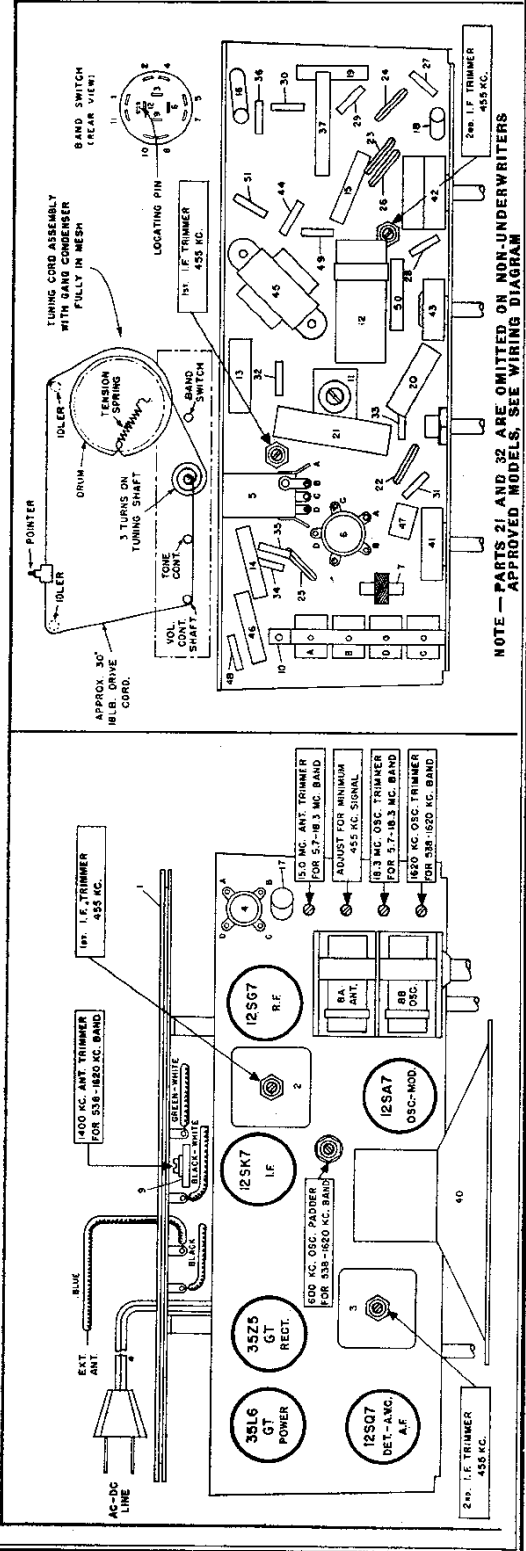
ALIGNMENT PROCEDURE

Be sure to follow procedure carefully and in the order given—otherwise the receiver will be insensitive and the dial calibration incorrect. For alignment procedure read tabulations from left to right. Make the adjustment marked (1) first, (2) next, (3) third, etc.

Before starting alignment:

- (a) Check tuning dial adjustment by tuning 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 dial needle does not point exactly to last line move to correct position.
- (b) Use an accurately calibrated test oscillator with some type of output measuring device.
- (c) Place loop antenna in the same position it will be in when set is in the cabinet.

Steps	Place band for operation on:	Set receiver dial to:	TEST OSCILLATOR		Refer to parts layout diagram for location of trimmers mentioned below:
			Adjust test oscillator frequency to:	Use dummy antenna in series with test oscillator consisting of:	
1	I.F. alignment use any band position.	Any point where no interfering signal is received	Exactly 455 K.C.	0.2 Mfd. condenser	Adjust each of the second I.F. transformer trimmers for maximum output, then adjust each of the first I.F. transformer trimmers for maximum output.
2	1820 to 538 K.C. Band	Rotate gang condenser to Maximum Capacity	Exactly 455 K.C. Exactly 1820 K.C. Approx. 1400 K.C. Approx. 600 K.C.	.00025 Condenser	Adjust R.F. coil trimmer for minimum 455 K.C. signal. Adjust 1820 K.C. oscillator trimmer for maximum output. While rocking gang condenser adjust 1400 K.C. loop trimmer for maximum output. While rocking gang condenser adjust 600 K.C. oscillator padder for maximum output.
3	5.7 to 18.3 M.C. Band	Exactly 18.3 M.C. Approx. 15 M.C.	400 Ohm carbon resistor 400 Ohm carbon resistor		Adjust 18.3 M.C. oscillator trimmer for maximum output. While rocking gang condenser adjust 15 M.C. antenna trimmer for maximum output.



NOTE — PARTS 91 AND 92 ARE OMITTED ON NON-UNDERWRITERS APPROVED MODELS. SEE WIRING DIAGRAM

ALLIED RADIO CORP.

PARTS LIST

Illus. No.	Part No.	Part Name	Description	Part No.	Part Name	Description
1	20E105	Coil	Antenna Loop	27	27E335	Resistor
2	20E21	Coil	1st I. F. Transformer	28	27E335	Resistor
3	20E22	Coil	2nd I. F. Transformer	29	27E474	Resistor
4	20E72	Coil	Antenna	30	27E474	Resistor
5	20E102	Coil	Oscillator, Broadcast Band	31	27E224	Resistor
6	20E103	Coil	Oscillator, Short Wave Band	32	27E224	Resistor
7	2E19	Coil	R. F. Choke	33	27E223	Resistor
8	24E9	Condenser	Tuning, 2 gang with pulley	34	27E103	Resistor
9	24E3	Capacitor	Trimmer, 2-40 MMF (On Loop)	35	27E822	Resistor
10	24E15	Capacitor	Trimmer, 4 Gang Strip	36	27E151	Resistor
11	24E16	Capacitor	Padder, 200-600 MMF	37	27E102-3	Resistor
12	23E56	Capacitor	50-50 Mfd. 150 Volt Dry Electrolytic	38		Resistor
13	23E216	Capacitor	Tubular, .05 Mfd.—200 Volt	39		Resistor
14	23E211	Capacitor	Tubular, .01 Mfd.—200 Volt	40	1E1	Speaker
15	23E416	Capacitor	Tubular, .05 Mfd.—400 Volt	41	29E8	Switch
16	23E411	Capacitor	Tubular, .01 Mfd.—400 Volt	42	28E7	Resistor
17	23E408	Capacitor	Tubular, .005 Mfd.—400 Volt	43	28E8	Resistor
18	23E208	Capacitor	Tubular, .005 Mfd.—200 Volt	44	27E101-2	Resistor
19	23E411	Capacitor	Tubular, .01 Mfd.—400 Volt	45	22E8	Transformer
20	23E205	Capacitor	Tubular, .002 Mfd.—200 Volt	46	23E211	Capacitor
21	23E421	Capacitor	Tubular, .2 Mfd. 400 Volt (Und. App'd Only)	47	23E2000	Capacitor
22	23E37	Capacitor	Mica, .00005 Mfd.	48	27E560	Resistor
23	23E39	Capacitor	Mica, .0001 Mfd.	49	27E471	Resistor
24	23E39	Capacitor	Mica, .0001 Mfd.	50	23E211	Capacitor
25	23E42	Capacitor	Mica, .00025 Mfd.	51	27E470-2	Resistor
26	23E42	Capacitor	Mica, .00025 Mfd.			

MISCELLANEOUS PARTS

Part No.	Part Name	Description
40E1	Bulb	6-8 Volt .150 Amp. Dial light, No. 47
7E100	Cabinet	Wood Table Model
7E61	Cabinet Back	For Wood Table Model
65E2	Dial Cord Spring	Tension Spring
4E1	Dial Cord	36" of 18 lb. Drive Cord
68E1	Dial Shaft	Drive Shaft
19E3	Dial Shaft Bearing	Bearing for Drive Shaft
12E103-F10	Dial Shaft Washer	"C" Retainer Washer for Drive Shaft
20E65	Dial Back Plate	Back Plate Assm. less Calibrated Scale
34E28-1	Dial Scale	Calibrated Glass Scale
32E4	Dial Scale Clip	For Mounting Dial Scale
35E13	Dial Pointer	Dial Indicator
9E5	Dial Crystal	Marked "OFF-ON-VOLUME" for Wood Table Cabt.
37E21-10	Knob	Marked "TONE" for Wood Table Cabt.
37E21-11	Knob	Marked "TUNING" for Wood Table Cabt.
37E21-12	Knob	Marked "SW-BC" for Wood Table Cabt.
37E21-13	Knob	Marked "OFF-ON-VOLUME" for Wood Table Cabt.

OUTSIDE AERIAL

A 50 TO 75 FOOT AERIAL must be connected to the receiver WHEN TUNING FOR SHORT WAVE STATIONS or when the volume of 588-1620 KC band stations is not satisfactory. Attach this external aerial to the blue lead coming out of the rear of the chassis. **WARNING—DO NOT ATTACH A GROUND TO THE RADIO—ANY EXTERNAL GROUND CONNECTION TO ANY METAL PART OF THE CHASSIS WILL CAUSE A SHORT AND POSSIBLE DAMAGE.**

5.7 - 18.3 M.C. BAND

OPERATING INSTRUCTIONS

BE SURE TO ATTACH A REGULAR AERIAL TO BLUE ANTENNA LEAD COMING OUT OF REAR OF CHASSIS WHEN TUNING FOR SHORT WAVE STATIONS.

TURN WAVE BAND SWITCH KNOB to the left hand position. Use section of dial that is calibrated from 5.7 - 18.3 M.C.