

## Allied Radio Corp.

**Model: 5C-290**

**Chassis:**

**Year: Pre 1949**

**Power:**

**Circuit:**

**IF:**

**Tubes:**

**Bands:**

**Resources**

**Riders Volume 17 - ALLIED 17-2**

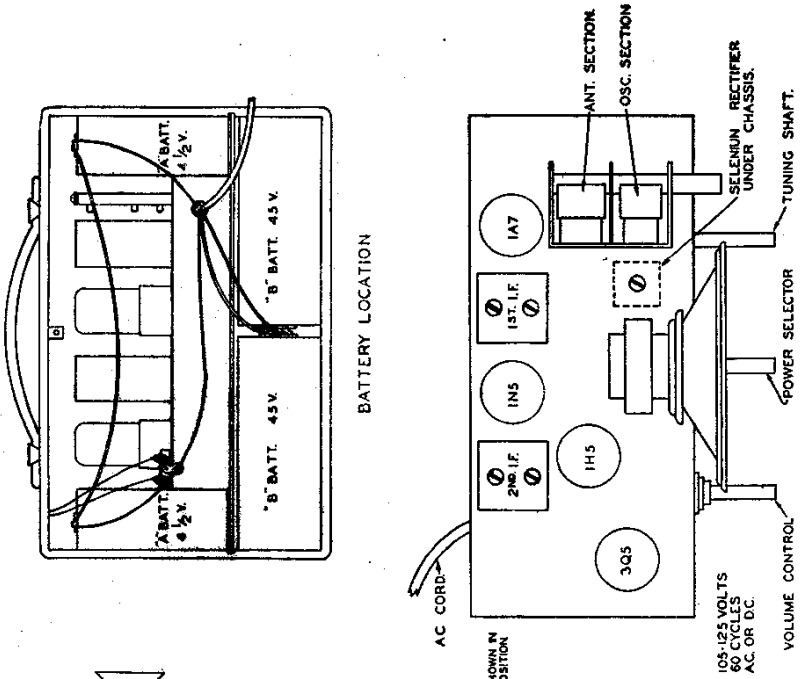
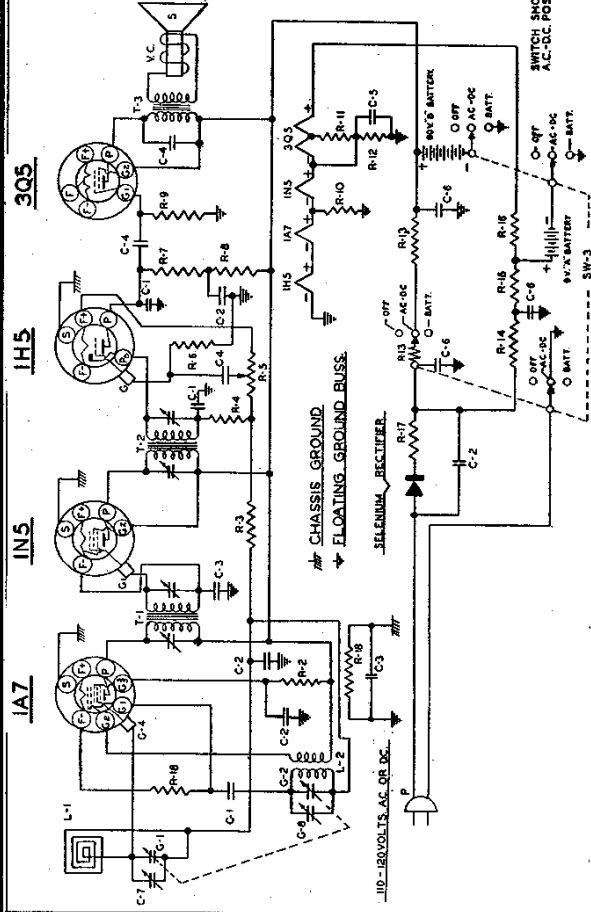


FIGURE-1  
TL-50

PART NO.	DESCRIPTION	DESCRIPTION
IR-10	47M-RESISTOR 20K	70MP-5 ELECTROLYTIC CAPACITOR
IR-23	33MEG-RESISTOR 1/2W 10%	40-40-40-LOU-ELECTROLYTIC CAPACITOR
IR-25	1M-RESISTOR 1/2W 10%	ANTENNA TRIMMER
VC-2	1 MEG VOLUME CONTROL	C-4
IR-3	10K-RESISTOR 1/2W 20%	G-1
IR-4	10K-RESISTOR 1/2W 20%	CC-4
IR-11	22MEG-RESISTOR 1/2W 20%	LL-8
IR-13	22MEG-RESISTOR 1/2W 20%	LS-8
IR-15	22MEG-RESISTOR 1/2W 20%	L-2
IR-21	270-RESISTOR 1/2W 10%	L-3
IR-22	330-RESISTOR 1/2W 10%	L-4
IR-24	100-RESISTOR 1/2W 5%	T-1
IR-25	100-RESISTOR 1/2W 5%	T-2
WR-3A	100-RESISTOR 1/2W 5%	CO-1
IR-33	820 OHM WOUND RESISTOR 2W 10%	P
MC-2	500MFD CONDENSER [MICA] 400V	SW-3
PC-3	1MFD CONDENSER 400V	SW-5
PC-5	.005 MFD CONDENSER 600V	T-1
		T-2
		T-3
		SW-3
		SW-5
		SW-6
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		SW-8
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		SW-49
		SW-50



**ALIGNMENT AND SERVICE DATA**

Remove chassis from cabinet for alignment.

A Signal Generator is required having the following frequencies: 455 KC, 1400 KC, 1650 KC. An output meter should be connected across the speaker.

The volume control of the receiver should be turned to maximum during the I. F. and all subsequent alignment and the generator output as low as possible to prevent the A. V. C. from working and giving false readings.

**FIRST STEP:** Connect the hot lead from the generator to the ANT. section of the gang condenser through a .1 MFD. condenser. The ground lead from the generator must be connected to "B" minus under the chassis. Turn the gang condenser to complete minimum capacity. Set the generator to 455 KC. Adjust the trimmers of the first and second I. F. transformers until a maximum reading is noted on the output meter.

**SECOND STEP:** With the leads from the generator still connected in the same manner, adjust the Signal Generator to 1650 KC. Adjust the OSC. trimmer until the 1650 KC signal is tuned in. The gang condenser must be at complete minimum capacity for this adjustment.

**THIRD STEP:** Remove the generator leads from the gang condenser and replace the chassis in the cabinet. Loosely couple the generator to the receiver loop by making a complete turn of wire over the outside of the cabinet. With the receiver and generator set at 1400 KC, increase the generator output. Adjust the ANT. trimmer through the hole which is provided in the top of the cabinet until a maximum signal is noted on the output meter. The ANT. trimmer hole in the top of the cabinet is covered by a small plug button. Replace this button after adjustment has been made. No further adjustment should be made as the coils and gang condenser in this receiver have been specially handled at the factory to insure proper alignment at the lower frequencies.