

Allied Radio Corp.

Model: 4B-170

Chassis:

Year: Pre 1950

Power:

Circuit:

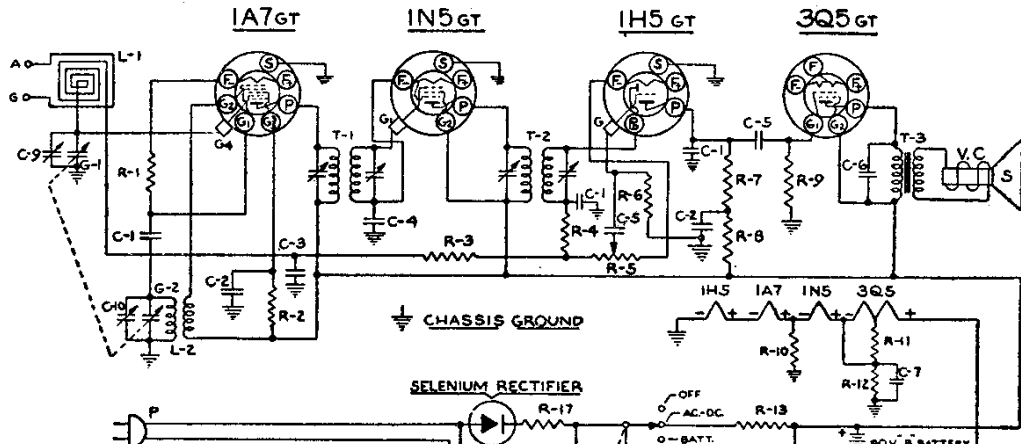
IF:

Tubes:

Bands:

Resources

Riders Volume 18 - ALLIED 18-1



PART NO.	DESCRIPTION
1R-31	300MA RESISTOR 1/2 W. 20%
1R-10	47MA RESISTOR 1/2 W. 20%
1R-29	3MEG RESISTOR 1/2 W. 20%
1R-32	8MA RESISTOR 1/2 W. 20%
VC-6	1/2 MEG. VOLUME CONTROL
1R-3	10 MEG. RESISTOR 1/2 W. 20%
1R-12	1 MEG. RESISTOR 1/2 W. 20%
1R-11	470M RESISTOR 1/2 W. 20%
1R-39	2.2 MEG. RESISTOR 1/2 W. 20%
1R-34	1.50A RESISTOR 1/2 W. 10%
1R-35	270A RESISTOR 1/2 W. 10%
1R-21	330A RESISTOR 1/2 W. 10%
1R-36	1200A RESISTOR 1/2 W. 10%
1R-13	1050A RESISTOR 1/2 W. 10%
WR-3	1050A RESISTOR 1/2 W. 10%
WR-4	1050A RESISTOR 1/2 W. 10%
WR-17	75A WIRE WOUND RESISTOR 2W5%
MC-2	100 MMF. MICA CONDENSER
PC-5	.05 MFD. CONDENSER - 400V.
PC-8	.05 MFD. CONDENSER - 200V.
PC-10	.005 MFD. CONDENSER - 400V.
PC-12	.0025 MFD. CONDENSER - 400V.
WR-15	1050A RESISTOR 1/2 W. 10%
WR-16	55A RESISTOR 1/2 W. 10%

PART NO.	DESCRIPTION
EC-10	70 MFD 10V ELECTROLYTIC
EC-4	40-40-40 1050V. ELECTROLYTIC
TC-7	ANTENNA TRIMMER COND.
TC-6	OSC. TRIMMER COND.
GC-2	GANG CONDENSER
LL-5	LOOP ANTENNA OSC. COIL
LO-8	INPUT I.F. TRANSFORMER
LI-3	OUTPUT I.F. TRANSFORMER
LI-4	LINE COIL
T-2	...
CO-1	...

PART NO.	DESCRIPTION
T-3	OUTPUT SPEAKER TRANSFORMER
VC	VOICE COIL
SPK-5	P.M. SPEAKER
SW-3	4POLE 3-POSITION SW.
SR-1	SELENIUM RECTIFIER
TU-11	1A7GT IN SET 1H5GT 3Q5GT
A	9 VOLTS BATTERY
B	90 VOLTS BATTERY

Remove chassis from cabinet for alignment.

A Signal Generator is required having the following frequencies: 455 KC, 1400 KC, 1720 KC. An output meter should be connected across the speaker.

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 the metal frame of the gang condenser. Turn the gang condenser to complete minimum capacity. Adjust the generator to 455KC and adjust the trimmers of the 1st and 2nd 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 1720 KC. The OSC. trimmer is located on the top of the oscillator section of the gang condenser. Adjust this trimmer until the 1720 KC signal is tuned in.

THIRD STEP: Remove the hot lead of the generator from the ANT section of the gang condenser. Connect this lead to the antenna lead wire that projects from the back of the loop antenna through a 200 MMFD condenser. Adjust the Signal Generator to 1400 KC. Rotate the tuning control until this signal is tuned in. The ANT trimmer is located on the back of the loop antenna. Adjust this trimmer until a maximum reading is noted on the output meter. No further adjustment should be necessary, unless the set has been specially damaged, as the coils and condenser in this receiver have been specially handled at the factory to insure proper alignment at the lower frequencies.

