

Allied Radio Corp.

Model: 5B-175

Chassis:

Year: Pre 1948

Power:

Circuit:

IF:

Tubes:

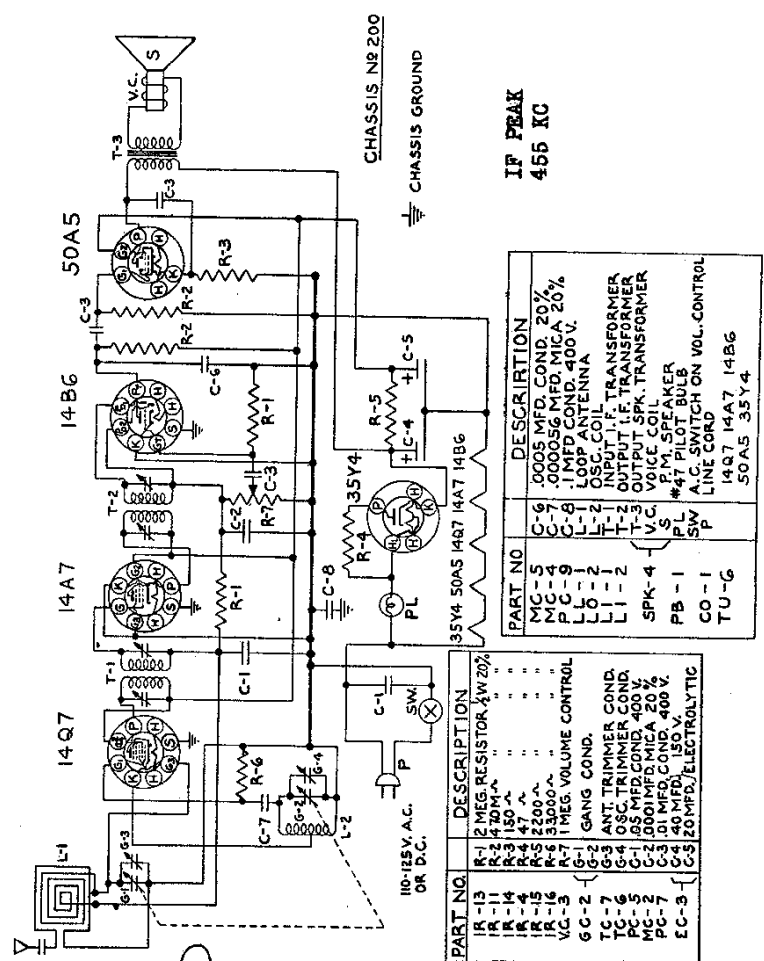
Bands:

Resources

Riders Volume 16 - ALLIED 16-2

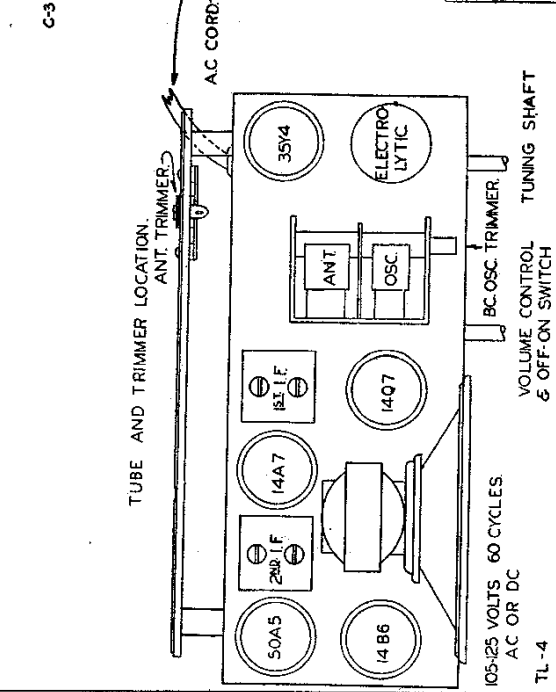
MODELS 5B-175, 5B-176
Chassis 200

ALLIED RADIO CORP.



IF PEAK
455 KC

PART NO.	DESCRIPTION
IR-13	R-1 2 MEG. RESISTOR, 1/2W 20%
IR-14	R-2 200 Ω
IR-14	R-3 150 Ω
IR-4	R-4 47 Ω
IR-15	R-5 2200 Ω
IR-16	R-6 3300 Ω
VC-3	A-1 1 MEG. VOLUME CONTROL
GC-2	G-1 GANG COND.
TC-7	G-2 ANT. TRIMMER COND.
TC-6	G-3 OSC. TRIMMER
PC-5	C-1 .05 MFD. COND. 400 V.
MC-2	C-2 .0001 MFD. MICA 20%
PC-7	C-3 .01 MFD. COND. 400 V.
EC-3	C-4 40 MFD. 150 V.
	C-5 20 MFD. ELECTROLYTIC
	C-6 .0005 MFD. COND. 20%
MC-5	C-7 .000356 MFD. MICA 20%
PC-9	L-1 .1 MFD. COND. 400 V.
LC-1	L-2 LOOP ANTENNA
LC-2	L-3 OSC. COIL
LC-1	L-4 INPUT I.F. TRANSFORMER
LC-1	L-5 OUTPUT S.F. TRANSFORMER
LC-1	L-6 VOICE COIL
SPK-4	S P.M. SPEAKER
PB-1	PL #47 PILOT BULB
CO-1	SW A.C. SWITCH ON VOL. CONTROL
TU-G	50A5 35Y-4



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 front of the chassis between the volume and tuning controls. Adjust this trimmer until the 1720 KC signal is tuned in.

THIRD STEP: Remove the hot lead from 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 damaged, as the coils and condenser in this receiver have been specially handled at the factory to insure proper alignment at the lower frequencies.