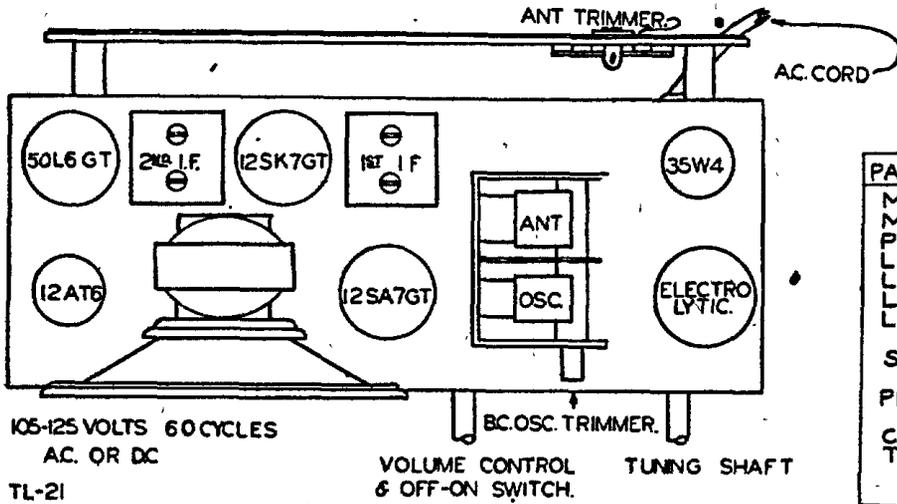
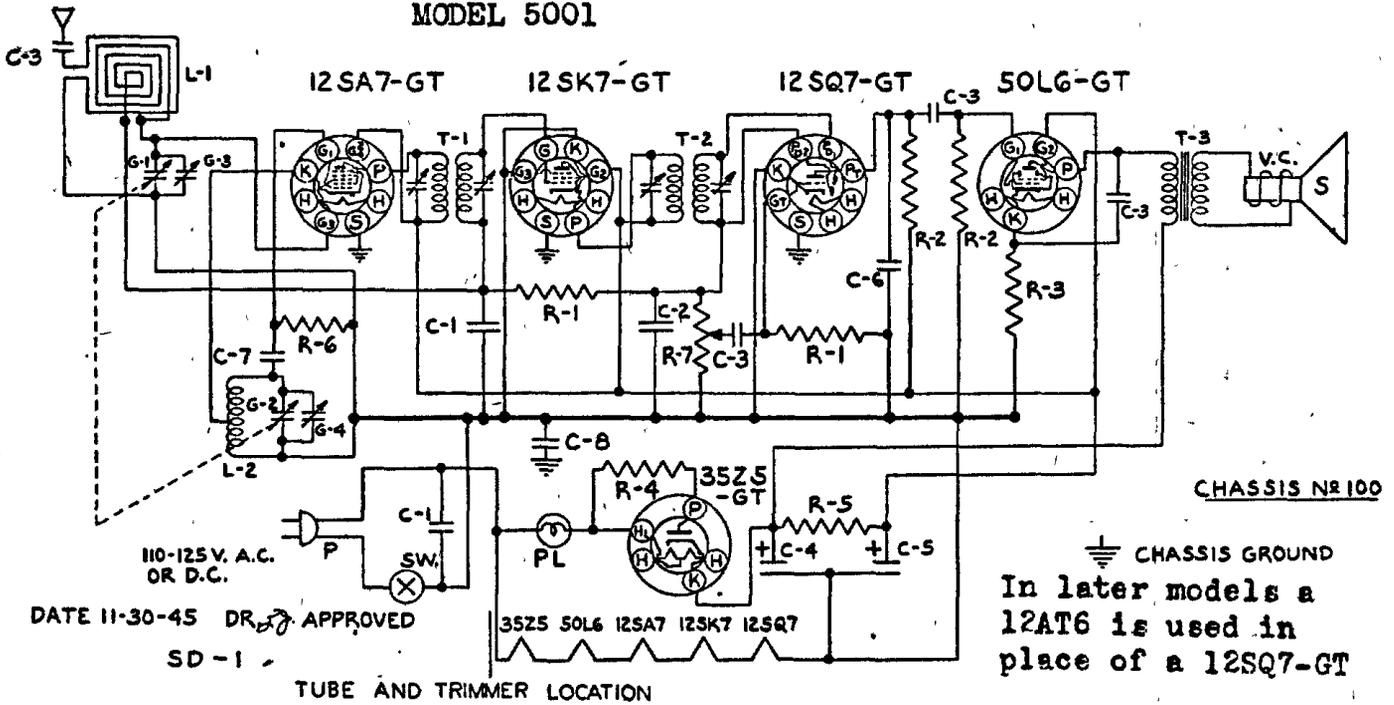


# SPIEGEL

MODEL 5001



PART NO	DESCRIPTION
MC-5	C-6 .0005 MFD. COND. 20%
MC-4	C-7 .00005 MFD. MICA 20%
PC-9	C-8 .1 MFD COND. 400V.
LL-1	L-1 LOOP ANTENNA
LO-2	L-2 OSC. COIL
LI-1	T-1 INPUT I.F. TRANSFORMER
LI-2	T-2 OUTPUT I.F. TRANSFORMER
LI-3	T-3 OUTPUT SPK. TRANSFORMER
SPK-4	V.C. VOICE COIL
PB-1	S P.M. SPEAKER
CO-1	PL #47 PILOT BULB
TU-3	SW A.C. SWITCH ON VOL. CONTROL
	P LINE CORD
	TU-3 12SA7 GT 12SK7 GT 12SQ7 GT 50L6 GT 35Z5 GT

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.

The receiver volume control should be turned to maximum during the I.F. and all subsequent alignments to keep the AVC from working and giving false readings. Keep the generator output as low as possible to prevent overloading.

**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 455 KC 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 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 damaged, as the coils and condenser in this receiver have been specially handled at the factory to insure proper alignment at the lower frequencies.

PART NO.	DESCRIPTION
IR-13	R-1 2 MEG. RESISTOR 1/2W 20%
IR-11	R-2 470M $\Omega$ " " "
IR-14	R-3 150 $\Omega$ " " "
IR-4	R-4 47 $\Omega$ " " "
IR-15	R-5 2200 $\Omega$ " " "
IR-16	R-6 33000 $\Omega$ " " "
VC-3	R-7 1 MEG. VOLUME CONTROL
GC-2	G-1 GANG COND.
TC-7	G-2 ANT. TRIMMER COND.
TC-6	G-3 OSC. TRIMMER COND.
PC-5	G-4 .05 MFD. COND. 400 V.
MC-2	C-1 .05 MFD. MICA 20%
PC-7	C-2 .0001 MFD. MICA 20%
	C-3 .01 MFD. COND. 400 V.
EC-3	C-4 40 MFD. 150 V.
	C-5 20 MFD. ELECTROLYTIC