

ALIGNMENT AND SERVICE DATA

(See Fig No 1 For Trimmer Location)

Remove chassis from cabinet for alignment

A Signal Generator is required having the following frequencies 455 KC, 1400 KC, 1700 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 tuner through a 1 MFD condenser The ground lead from the generator must be connected to "B" minus under the chassis Turn the tuner to complete minimum capacity Set the generator to 455 KC Adjust the trimmers of the I F transformer until a maximum reading is noted on the output meter

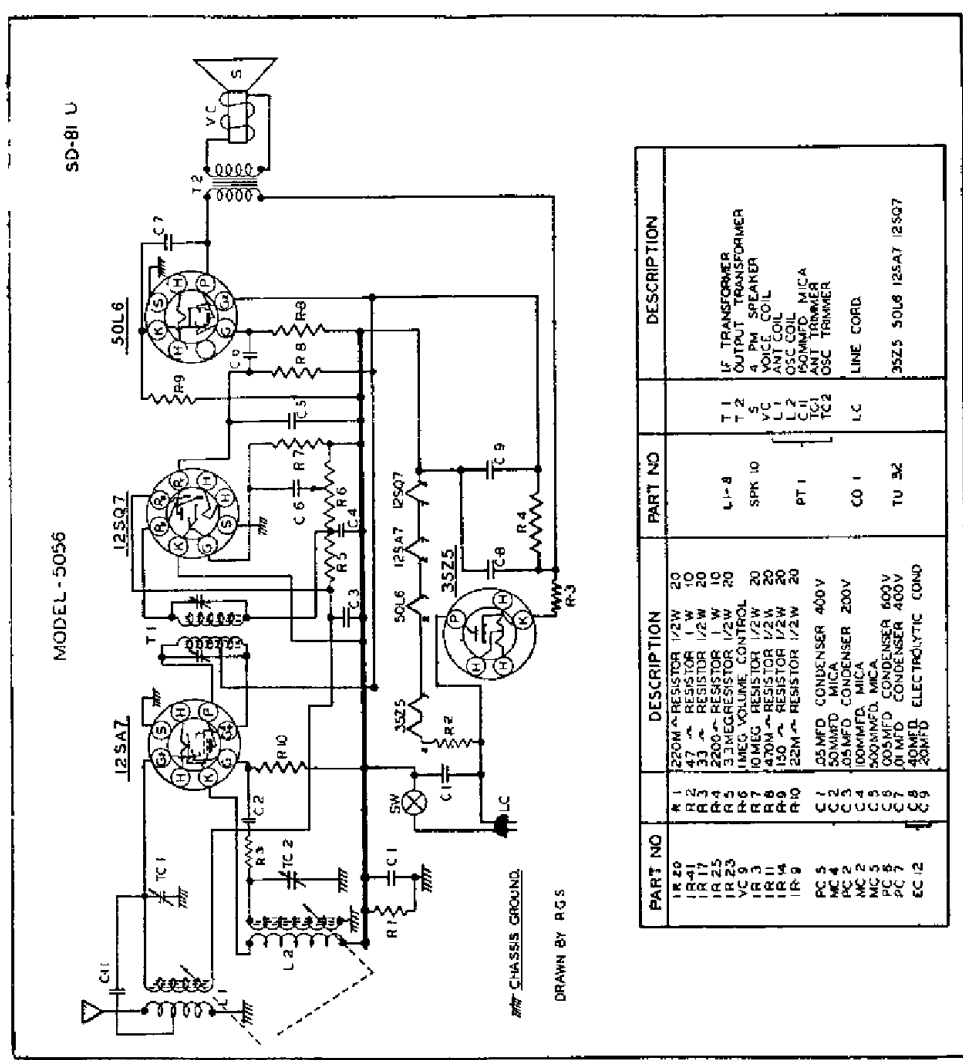
SECOND STEP. With the leads from the generator still connected in the same manner, adjust the Signal Generator to 1700 KC Adjust the OSC trimmer until the 1700 KC signal is tuned in The tuner must be at complete minimum capacity for this adjustment

THIRD STEP: Remove the generator hot lead and connect it to the antenna bank terminal strip through a 200 MMFD condenser With the receiver and generator set at 1400 KC, increase the generator output Adjust the ANT trimmer until a maximum signal is noted on the output meter No further adjustment should be made as the coils in this receiver have been specially handled at the factory to insure proper alignment at the lower frequencies

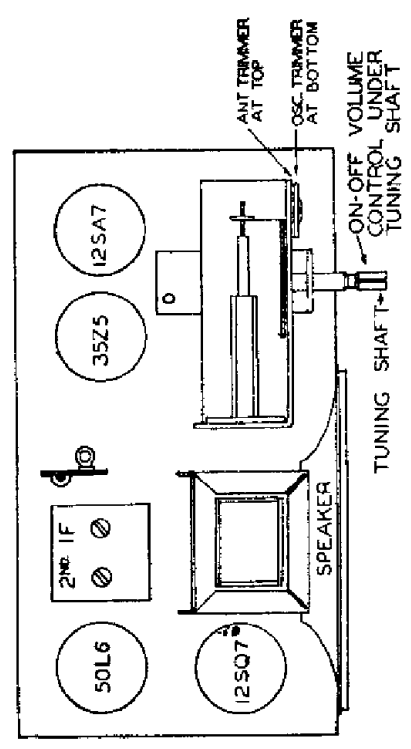
OPERATING INSTRUCTIONS

POWER SOURCES. This receiver may be operated on alternating current (AC) of 110 to 125 volts at 60 cycles or on direct current (DC) of 110 to 125 volts When used on DC, if the tubes light up but set does not play, reverse the cord plug in the power outlet

CAUTION: Always predetermine voltage of power source Never try to plug this receiver into a 220 volt line, as this will cause serious damage



TUBE AND TRIMMER LOCATION



PART NO	DESCRIPTION	PART NO	DESCRIPTION
R 1	250M-RESISTOR 1/2W 20	T 1	IF TRANSFORMER
R 2	47K-RESISTOR 1/2W 10	T 2	OUTPUT TRANSFORMER
R 3	220K-RESISTOR 1/2W 10	VC	4-PM SPEAKER
R 4	220K-RESISTOR 1/2W 10	SPK 10	VOICE COIL
R 5	33K-RESISTOR 1/2W 10	L 1	ANT COIL
R 6	10M-RESISTOR 1/2W 20	L 2	OSC COIL
R 7	10M-RESISTOR 1/2W 20	TC1	OSC TRIMMER
R 8	470K-RESISTOR 1/2W 20	TC2	OSC TRIMMER
R 9	120K-RESISTOR 1/2W 20	LC	LINE CORD
R 10	22M-RESISTOR 1/2W 20	35Z5	50L6 12SA7 12SQ7
PC 1	25MMFD CONDENSER 400V		
PC 2	50MMFD MICA		
PC 3	50MMFD CONDENSER 200V		
PC 4	100MMFD MICA		
PC 5	500MMFD MICA		
PC 6	100MMFD CONDENSER 400V		
PC 7	100MMFD CONDENSER 400V		
PC 8	100MMFD CONDENSER 400V		
EC 1	40MMFD ELECTROLYTIC COND		
EC 2	30MMFD		