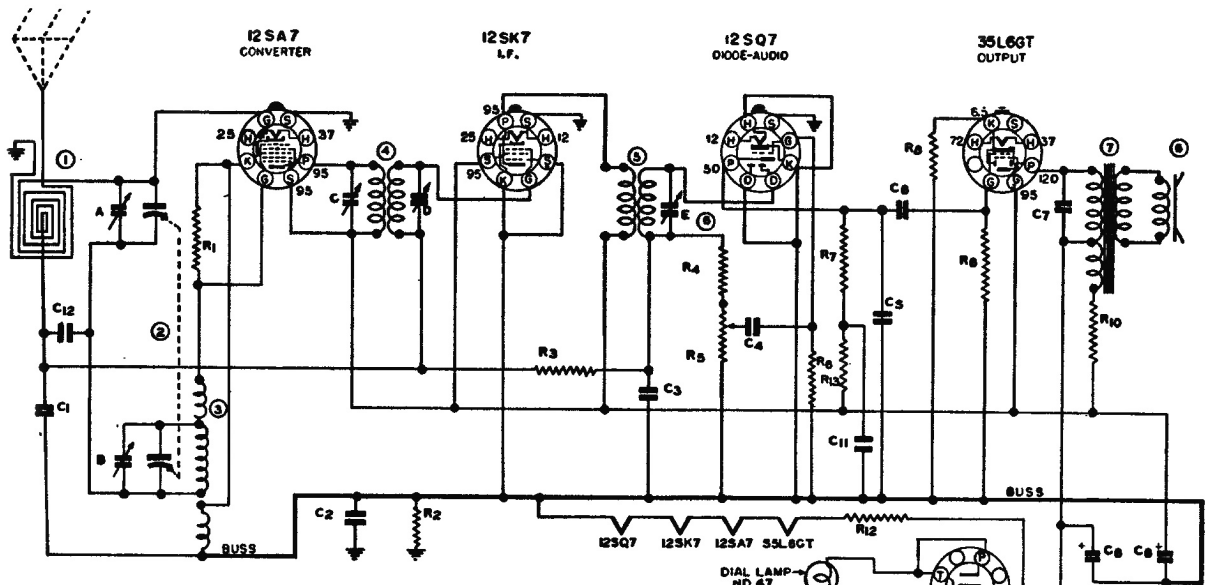
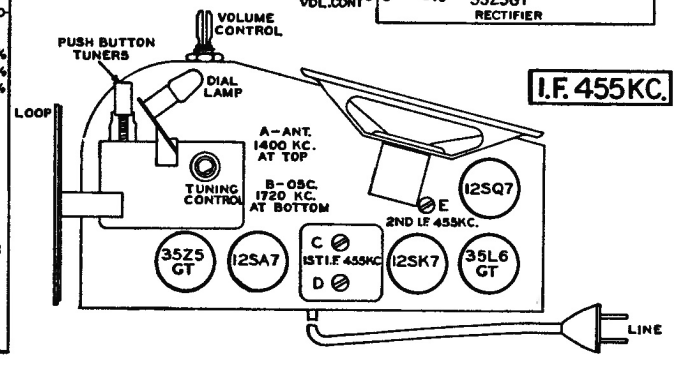


DIA NO.	PART NO.	DESCRIPTION	DIA NO.	PART NO.	DESCRIPTION
R1	N-4025	22,000 OHM .5W 20%	C6	N-1344	.01 MFD 400V 20%
R2	N-4028	220,000 OHM .5W 20%	C7	N-1378	.02 MFD 400V 20%
R3	N-1262	1 MEGOHM .5W 20%	C8	N-5051	40 MFD 150V ELECTRO-
R4	N-4063	47,000 OHM .5W 20%	C9		40 MFD 150V LYTIC
R5	N-2087	.5MEG VOLUME CONTROL	C10	N-1376	.05 MFD 400V 20%
R6	N-4026	68 MEGOHM .5W 20%	C11	N-1351	.1 MFD 200V 20%
R7	N-4028	220,000 OHM .5W 20%	C12	N-1345	.05 MFD 200V 20%
R8	N-4067	180 OHM .5W 10%			
R9	N-4027	470,000 OHM .5W 20%	1	N-8185	LOOP COIL
R10	N-5355	1,000 OHM 1W 10%	2	N-8192	2 GANG CONDENSER
R11	N-4022	33 OHM .5W 20%	3	N-4845	OSC. COIL
R12	N-4023	82 OHM 2 W 10%	4	N-4813	1ST I.F. TRANSFORMER
R13	N-4823	56,000 OHM .5W 10%	5	N-4848	2ND I.F. TRANSFORMER
			6	N-4985	TRIMMER
C1	N-1345	.05 MFD 200V 20%	7	N-8191	OUTPUT TRANSFORMER
C2	N-1345	.05 MFD 200V 20%	8	N-8187	5" SPEAKER
C3	N-6015	100 MMFD 500V 20%			
C4	N-4884	.005 MFD 600V -15+40%			
C5	N-6135	250 MMFD 500V 20%			



GENERAL DATA. The alignment of this receiver requires the use of a test oscillator that will cover the frequencies of 455, 600, 1400 and 1720 KC and an output meter to be connected across the primary or secondary of the output transformer. If possible, all alignments should be made with the volume control on maximum and the test oscillator output as low as possible to prevent the AVC from operating and giving false readings.

CORRECT ALIGNMENT PROCEDURE. The intermediate frequency (I.F.) stages should be aligned properly as the first step. After the I.F. transformers have been properly adjusted and peaked, the broadcast band should be adjusted.

I.F. ALIGNMENT. Remove the chassis and loop antenna from the cabinet and set them up on the bench so that they occupy exactly the same respective positions on the bench as they did in the cabinet. Care should be taken to have no iron or other metal near the loop. Do not make this set-up on a metal bench. With the gang condenser set at minimum, adjust the test oscillator to 455 KC and connect the output to the grid of the first detector tube (12SA7) through a .05 or .1 mfd. condenser. The ground on the test oscillator should be connected to the ground buss, indicated on the circuit diagram. Align all three I.F. trimmers to peak or maximum reading on the output meter.

BROADCAST BAND ALIGNMENT. Connect the test oscillator to the antenna of the set through a 100 mmfd. (.0001) condenser. With the gang condenser set at minimum capacity, set the test oscillator at 1720 KC, and adjust the oscillator (or 1720 KC trimmer) on gang condenser. Next—set the test oscillator at 1400 KC, and tune in the signal on the gang condenser. Adjust the antenna trimmer (or 1400 KC trimmer) for maximum signal. Next set the test oscillator at 600 KC, and tune in signal on condenser to check alignment of coils.

SONORA RADIO

Models WA-243, -244
WAU-243, -244

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Clear as a Bell