Alamo Electronics Corp.

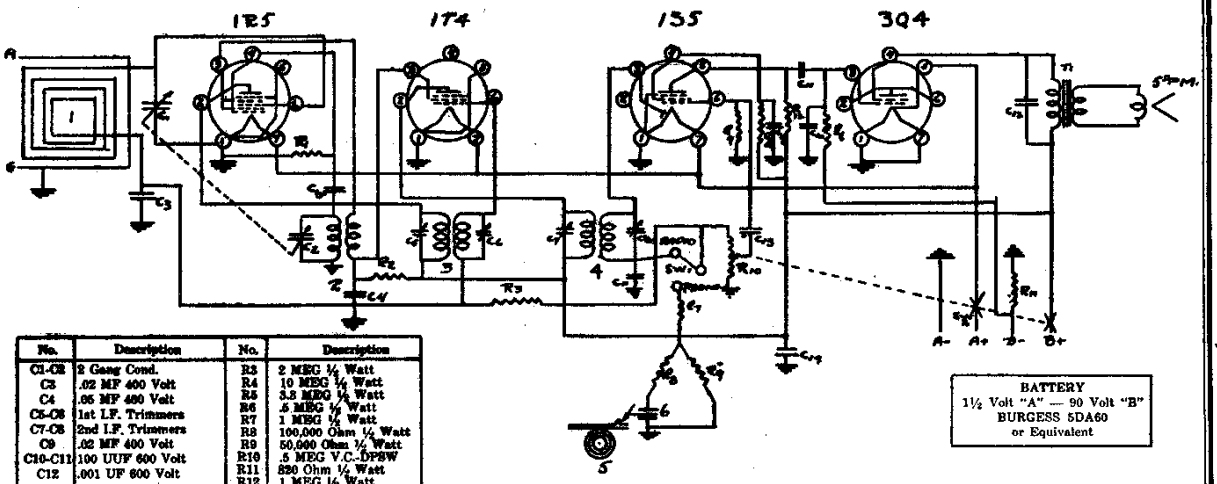
Model: 2RCM	Chassis:	Year: Pre 1948
Power:	Circuit:	IF:
Tubes:		
Bands:		

Resources

Riders Volume 16 - MISC 16-1

ALAMO ELECTRONICS CORP.

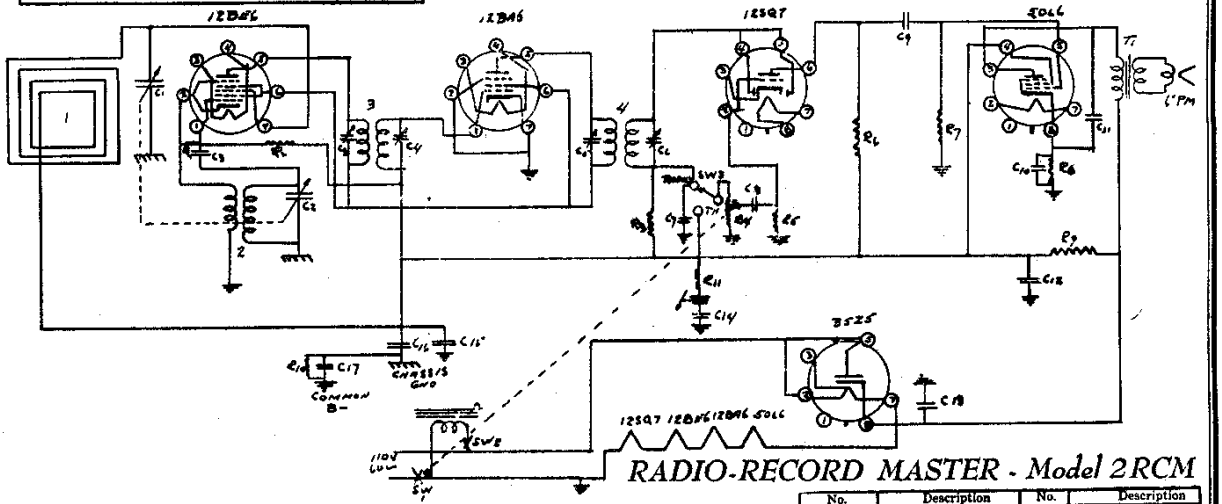
MODEL AEC-3RCMB
MODEL 2RCM



No.	Description	No.	Description
C1-C2	2 Gang Cond.	R3	2 MEG ½ Watt
C3	.02 MF 400 Volt	R4	10 MEG ½ Watt
C4	.05 MF 400 Volt	R5	3.3 MEG ½ Watt
C5-C8	1st I.F. Trimmers	R6	.5 MEG ½ Watt
C7-C8	2nd I.F. Trimmers	R7	1 MEG ½ Watt
C9	.02 MF 400 Volt	R8	100,000 Ohm ½ Watt
C10-C11	100 UUF 600 Volt	R9	50,000 Ohm ½ Watt
C12	.001 UF 600 Volt	R10	.5 MEG V.C.-DPSW
C13	.005 UF 600 Volt	R11	330 Ohm ½ Watt
C14	10 MFD 90 Volt	R12	1 MEG ½ Watt
C15	50 UUF 600 Volt	1	Loop
R1	100,000 Ohm ½ Watt	2	Osc. Coil
R2	18,000 Ohm ½ Watt	3	1st I.F.
		4	2nd I.F.
		5	Spring Mtr.
		6	Crystal Pickup

5-16-47 A.E.C. App. C.E.

MODEL AEC-3RCMB



RADIO-RECORD MASTER - Model 2RCM

No.	Description	No.	Description
C1 & C2	2 Gang Cond.	1	Loop
C3	50 UUF 600V	2	Osc. Coil
C3 & C4	1st I.F.	4	1st I.F. 456 Kc
C5 & C6	2nd I.F.	3	2nd I.F. 456 Kc
C7	100 UUF 600V	T1	Output Trans.
C8 & C9	.005 MF 600V	SW2	T.T. Power
C10	10 MFD 25V	SW3	Radio-Phono.
C11	.03 MF 400V		
C12 & C13	40 MFD 150V		
C14 & C15	.05 MFD 400V		
C16 & C17			
R1	20,000 ½ Watt		
R2	10 MEG ½ Watt		
R3	2 MEG ½ Watt		
R4	.5 MEG V.C. & SW1		
R5	4.7 MEG ½ Watt		
R6 & R7	470,000 ½ Watt		
R10			
R8	15052 ½ Watt		
R9	150052 ½ Watt		
R11	1 MEG ½ Watt		

5-12-47 AEC App. C.E.

GENERAL DATA. The alignment of this receiver requires the use of a test oscillator that will cover the frequencies of 455, 600, 1400 and 1620 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 oscillator and loop should be adjusted.

I.F. ALIGNMENT. Remove the chassis and loop antenna from the cabinet and set them up on the bench. 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 (12BE6) through a .05 to .1 mfd condenser. The ground on the test oscillator should be connected to the ground buss, indicated on the circuit diagram. Align all four I.F. trimmers to peak or maximum reading on the output meter. Each I.F. has two adjustments at the top of the can.

LOOP ALIGNMENT. Connect the test oscillator to a dummy loop which can be made by coiling 2 turns of hookup wire about 6" in diameter. Place this dummy loop about a foot from the loop on the receiver and in the same plane as the receiver loop. With the gang condenser set at minimum capacity, set the test oscillator at 1620 KC, and adjust the oscillator (or 1620 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.