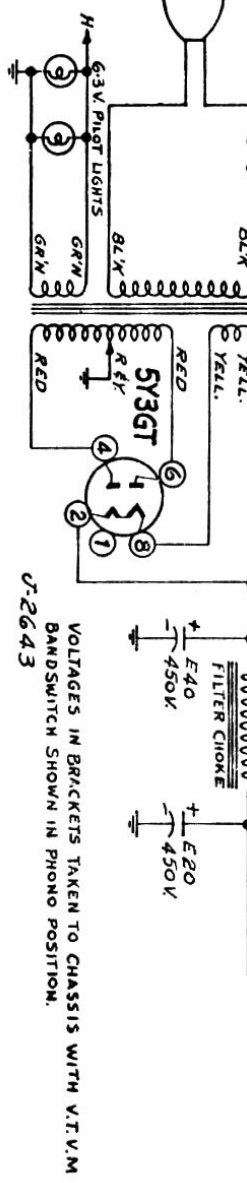


Electrohme 'Alpha'

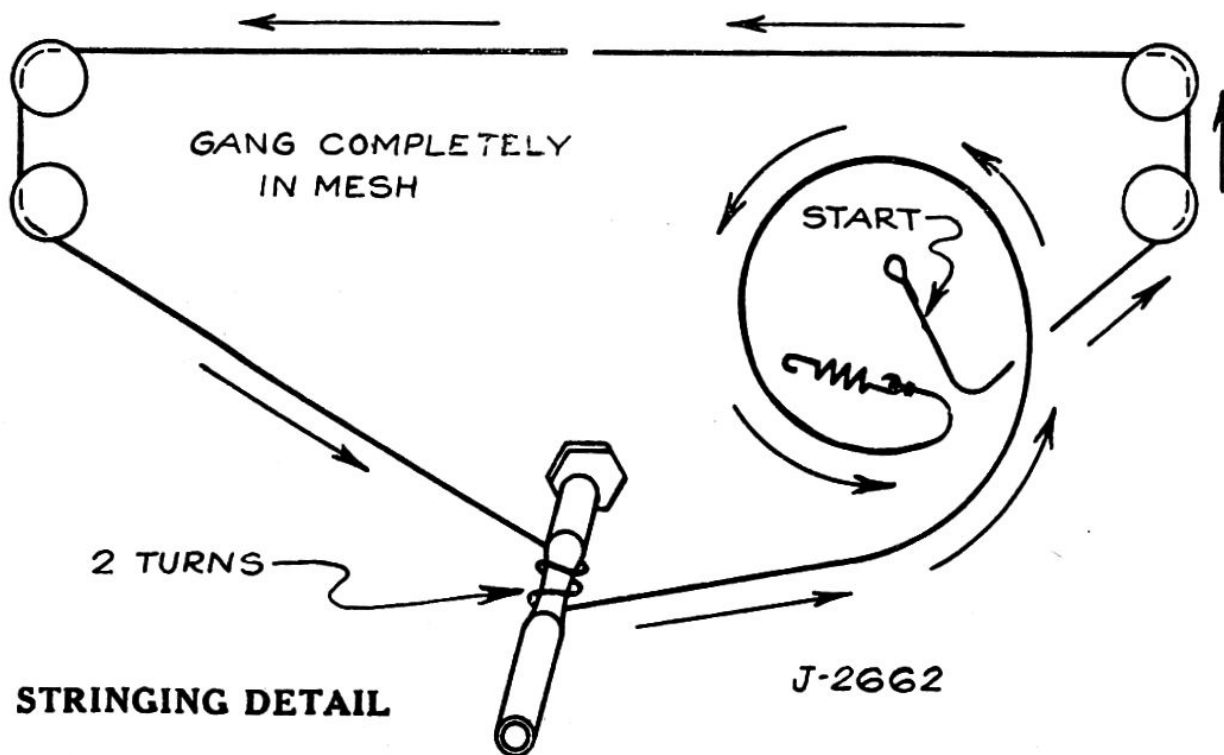
PMF-82-419, PMF-82-419Z



VOLTAGES IN BRACKETS TAKEN TO CHASSIS WITH V.T.V.M.
 BANDSWITCH SHOWN IN PHONO POSITION.
 U-2643

Electrohome Alpha A.C. AM-FM Radio

ALIGNMENT AND SENSITIVITY								
A.M. GENERATOR MODULATED 30% AT 400 CY. - F.M. GENERATOR MODULATED 22.5 KC. AT 400CY.								
STEP	SIG. GEN FREQ.	APPLY SIGNAL TO	THRU DUMMY	SET GANG AT	SET BAND SWITCH	ADJUST FOR MAX. OUTPUT	NOMINAL SENSITIVITY FOR STD. OUTPUT	NOTES.
1	455 KC	1ST I.F. 6BA6 #1 PIN	.1 μ f.	540 KC	A.M.	2ND A.M. I.F.	3300 μ v	A.M. STANDARD OUTPUT IS .5 WATT OUTPUT POWER
2	455 KC	A.M. MIX. 6BE6 #1	.1 μ f.	540 KC	A.M.	1ST A.M. I.F.	65 μ v	
3	1460 KC	A.M. ANTENNA TERMINALS 2 & 6	200 μ f.	1460 KC	A.M.	A.M. OSC TRIM. A.M. ANT. TRIM.	10 μ v	
4	600 KC	A.M. ANT.	200 μ f.	600 KC	A.M.	CHECK ONLY	10 μ v	
5	455 KC	A.M. ANT.	200 μ f.	540 KC	A.M.	WAVE TRAP		ADJUST FOR MINIMUM
6	10.7 MC	DRIVER 6BA6 #1 PIN	.1 μ f.		F.M.	DISCRIMINATOR PRI. (BOTTOM)	40,000 μ v	F.M. STANDARD OUTPUT (SEE BELOW)
7	10.7 MC	DRIVER 6BA6 #1 PIN	.1 μ f.		F.M.	DISCRIMINATOR SEC. (TOP)	APPLY 40,000 μ v. MEASURE D.C. AT SWITCH TERMINAL 9 USING V.T.V.M. ADJUST FOR ZERO VOLTAGE BETWEEN + AND - PEAKS.	
8	10.7 MC	1ST. I.F. 6BA6 #1 PIN	.1 μ f.	MAX CAP	F.M.	2ND. F.M. I.F. & DISC. PRI.	1100 μ v	F.M. STANDARD OUTPUT IS 0.8V. A.V.C. MEASURED
9	10.7 MC	F.M. RF SECT. GANG (ON TOP OF CHASSIS)	.1 μ f.	MAX. CAP	F.M.	1ST. F.M. I.F. 2ND F.M. I.F.	260 μ v	WITH V.T.V.M. AT SWITCH TERMINAL # 5.
10	105 MC	F.M. ANTENNA (TERMINALS #1 & 6)	300 OHM. SEE NOTE	105 MC	F.M.	F.M. OSC. TRIM. F.M. ANT. TRIM.	20 μ v	DUMMY RESISTOR MUST BE NON INDUCTIVE FOR TRUE RESULTS.
11	90 MC	F.M. ANTENNA	300 OHM	90 MC	F.M.	CHECK ONLY	20 μ v	



SPECIFICATIONS

Standard Broadcast Range	535 Kc — 1650 Kc
Frequency Modulation Range	88 Mc — 108 Mc
Intermediate Frequency (AM)	455 Kc
Intermediate Frequency (FM)	10.7 Mc
Power Consumption (Radio Only)	72 Watts
Undistorted Output	2 Watts
Maximum Power Output	4.2 Watts