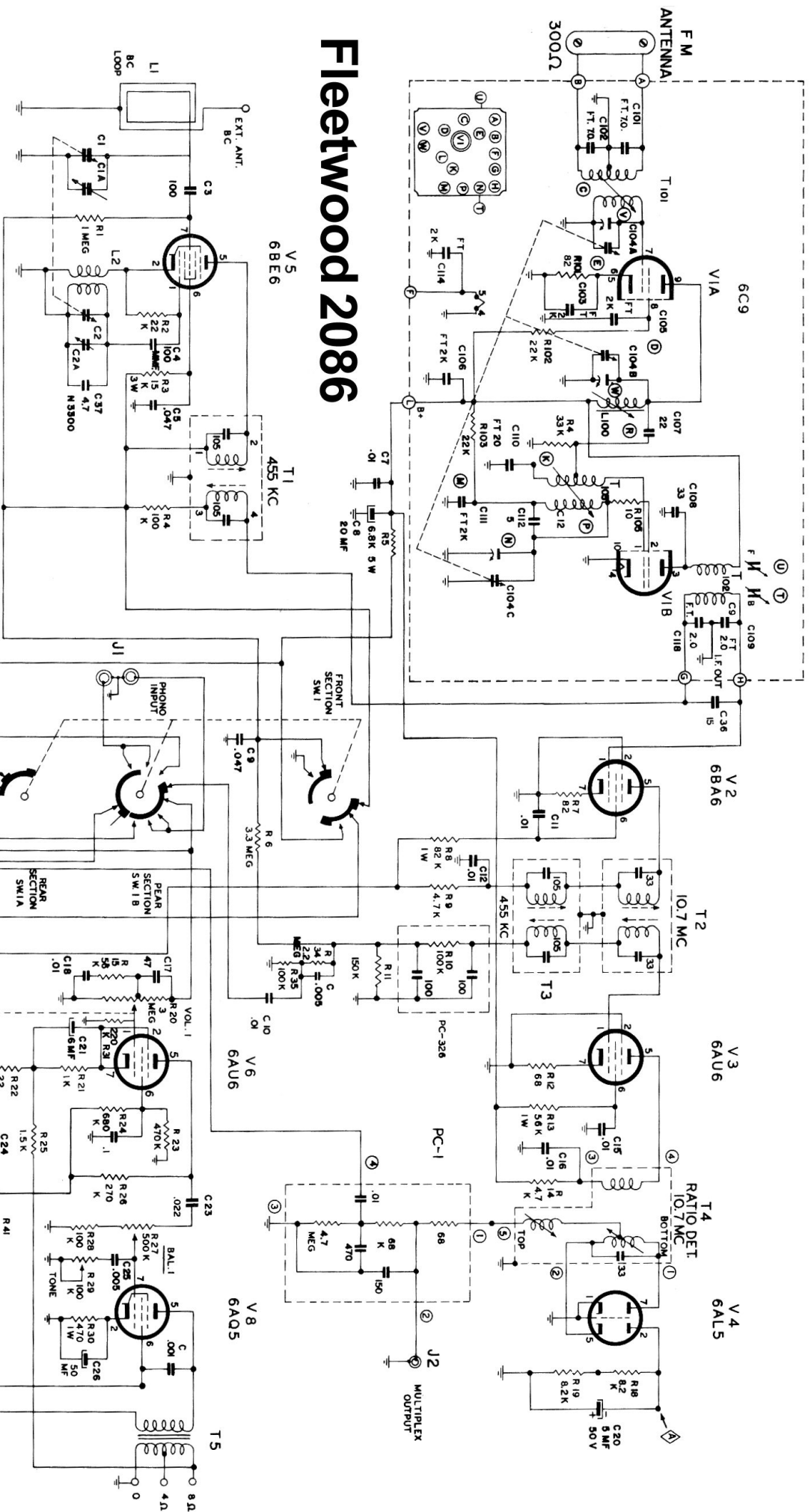
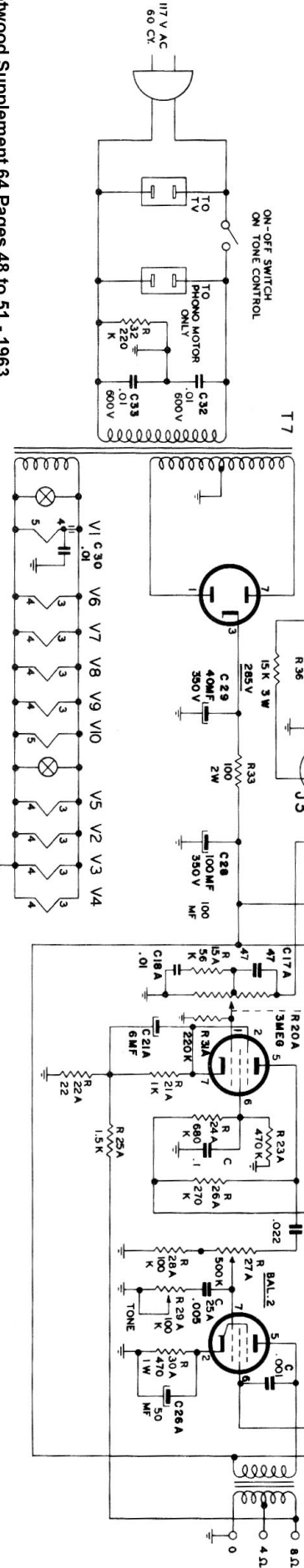


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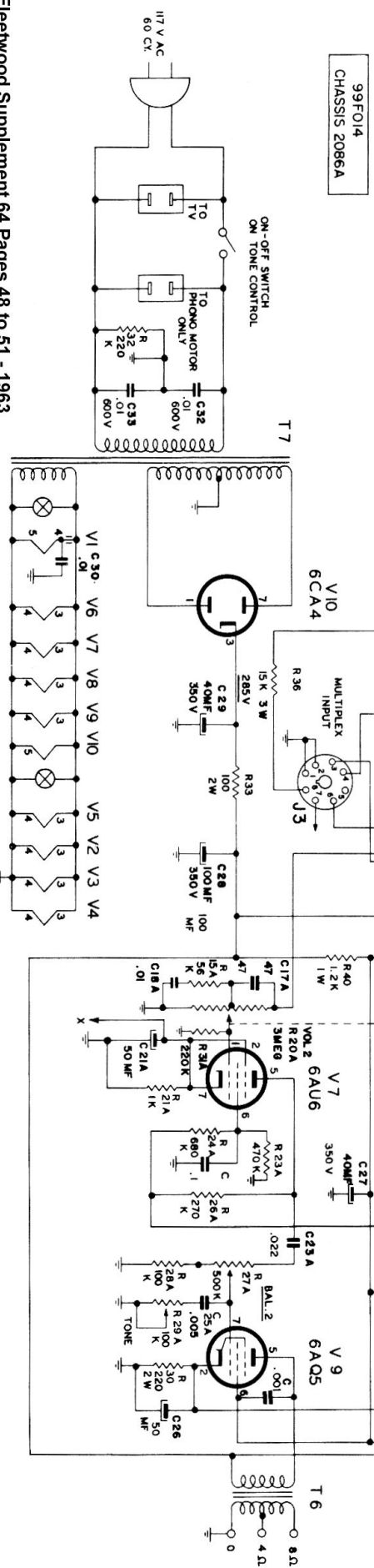
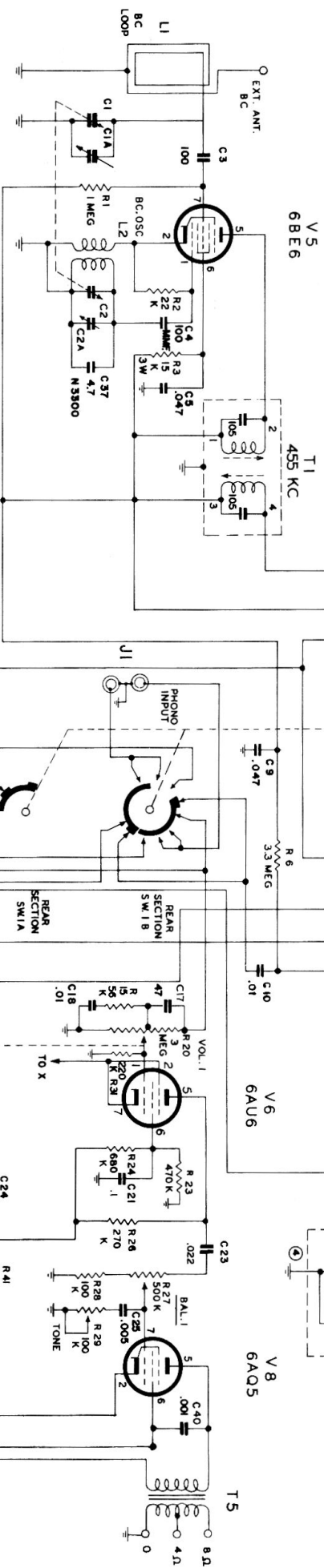
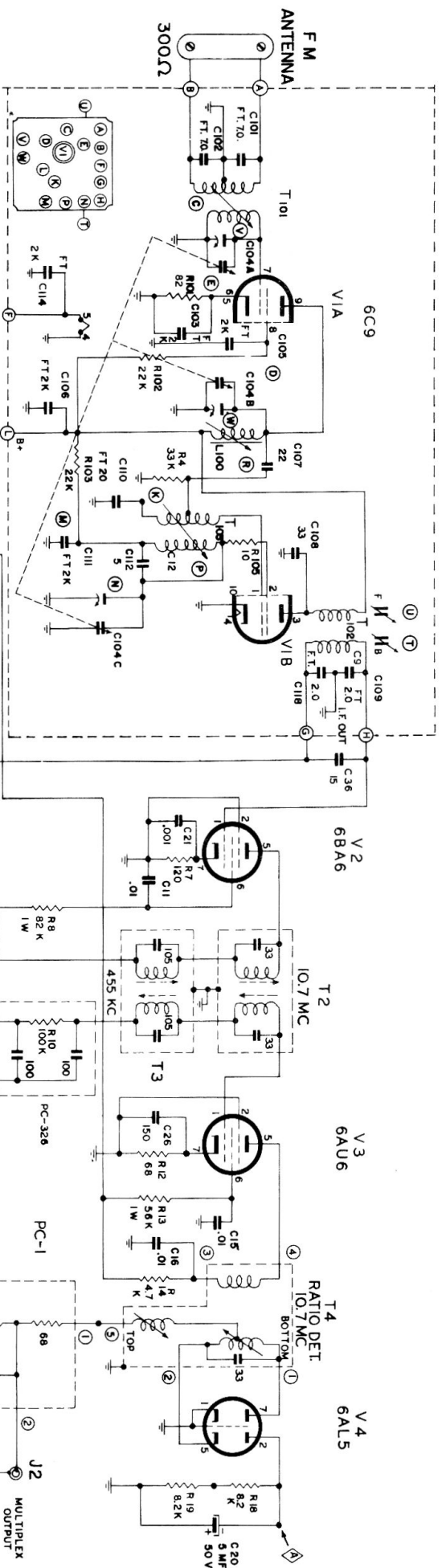


NOTES:

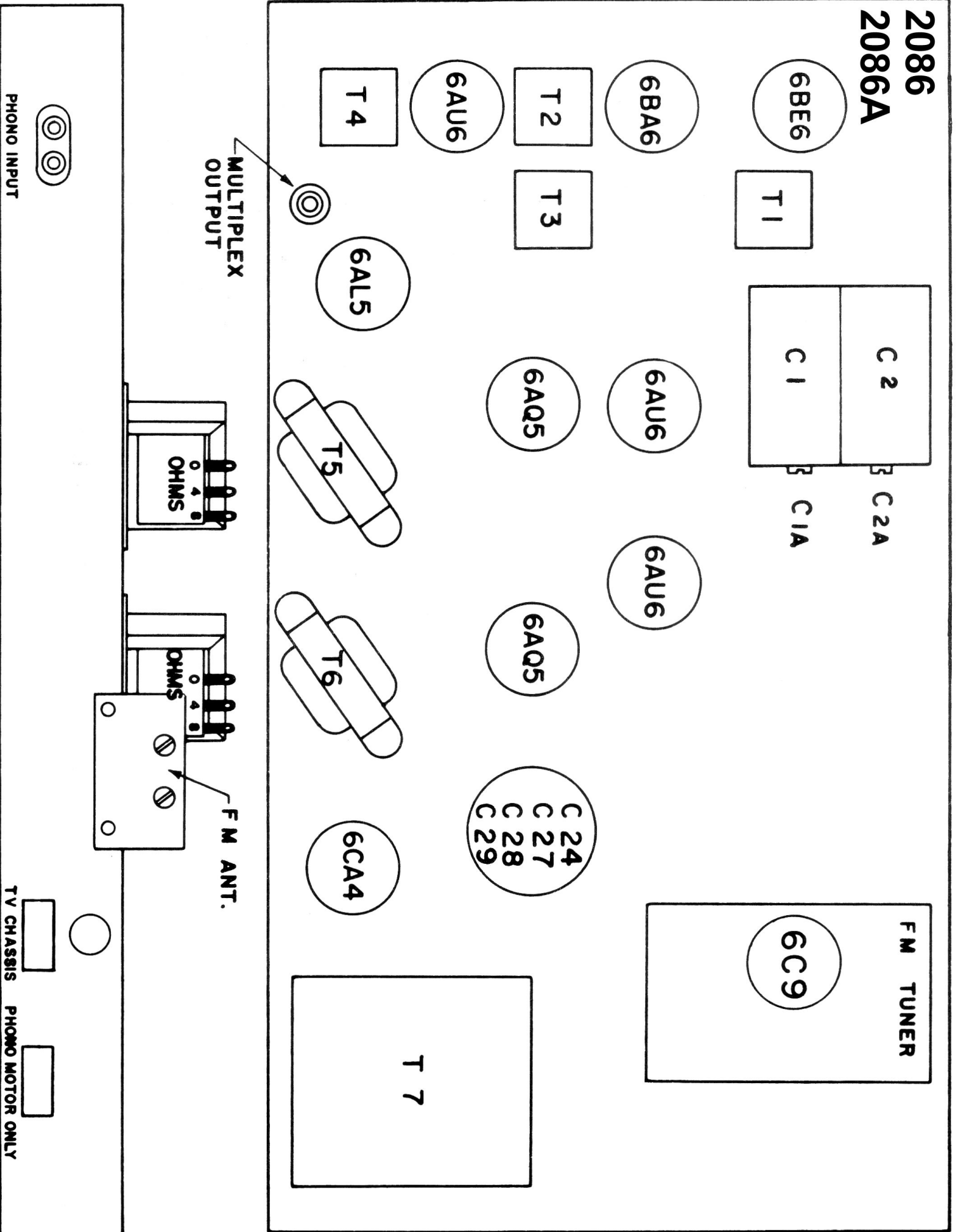
1. CAPACITANCE VALUES IN WHOLE μ F ARE IN μ F EXCEPT WHERE OTHERWISE NOTED CAPACITANCE VALUES IN DECIMALS ARE IN MFD.
2. ALL RESISTANCES IN OHMS UNLESS OTHERWISE NOTED. 10 Ω -1/2 W.
3. BAND SWITCH IN FULLY COUNTER-CLOCKWISE POSITION, BC BAND.
4. ALL VOLTAGES MEASURED WITH V.T.V.M. \pm 20%.



Fleetwood 2086A



2086 2086A



ALIGNMENT PROCEDURE, CHASSIS MODEL 2086

Alignment is an exacting procedure and should be undertaken only when essential and by a fully qualified person.

The following equipment is required for proper alignment:—

1. Signal generator with a frequency range of at least 455kc. to 2.0 mc (AM.)
2. Signal generator with a frequency range of at least 10.7mc. to 109 mc. (FM.)
3. Power output meter.
4. V.T.V.M.

NOTES:

Allow at least 15 minutes for the set and equipment to warm up before proceeding with alignment. During alignment, keep the signal generator output as low as possible. Keep the volume controls in full clockwise position. Keep tone control in full clockwise position. Connect ground side of generator to chassis base. Generator modulation at 400 cy. 30% and 400 cy. 22.5 k.c. deviation of AM and FM respectively.

WARNING:

Connect output meter with 8 ohm termination to terminals of the output transformer. When output meter or loudspeaker is not connected across the amplifier output, terminate output with a five to ten ohms resistor capable of dissipating at least 5 watts.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	GENERATOR FREQ.	DEPRESS FUNCTION SWITCH	DIAL SETTING	METER CONNECTION	ADJUST	REMARKS
1 .1MF.	High side of Pin #7 of 6BE6	455kc.	BC.	Gang fully open.	Output meter across output transf. terminals.	T1 & T3 TOP & BOTTOM	Adjust for maximum output.
2 Loop	Loose	1630kc.	BC.	Same.	Same.	C2A	Adjust for maximum output.
3 Same.	Same.	535kc.	BC.	Gang fully closed.	Same.	L3	Check frequency.
4 REPEAT STEP 2 AND 3 UNTIL NO FURTHER CHANGE OCCURS.							
5 Same.	Same.	1400kc.	BC.	1400kc.	Same.	C1A	Adjust for maximum output.
1 Direct.	Connect high side of sig. gen. to ungrounded tube shield over 6C9 tube.	10.7mc. No mod.	FM.	108 mc.	Connect V.T.V.M. D.C. probe to junction of R18 & R19, negative to chassis.	Tune slug "U" & "T" in tuner. Tune T2 top & bottom and T4 bottom.	Adjust for maximum. Note: keep generator output low as the reading on V.T.V.M. should not exceed 2 volts.
2 Same.	Same.	Same.	FM.	Same.	Connect V.T. V.M. DC probe to "Multiplex adaptor socket" T2, negative to junction of R18 & R19.	T4 Top.	Adjust for "Zero" reading.
1 300 ohms	FM out. Terminals	87.5mc. Modulated.	FM.	Min. freq.	Output meter across output terminals.	Adjust core PTT103 Adjust core RL101 Adjust core CTT101 for max. output.	Adjust for Max. Output.
2 Same.	Same.	108.5mc.	FM.	Max. freq.	Same.	Adjust trimmers "N", "V", "W" for max. output.	Rotate gang. cond. to minimum capacity and rotate back about 4°
3 REPEAT STEP 1 AND 2 UNTIL NO FURTHER CHANGE OCCURS.							