

RCC - Fleetwood Supplement 65 Pages 34, 35, 36, 37 - 1964

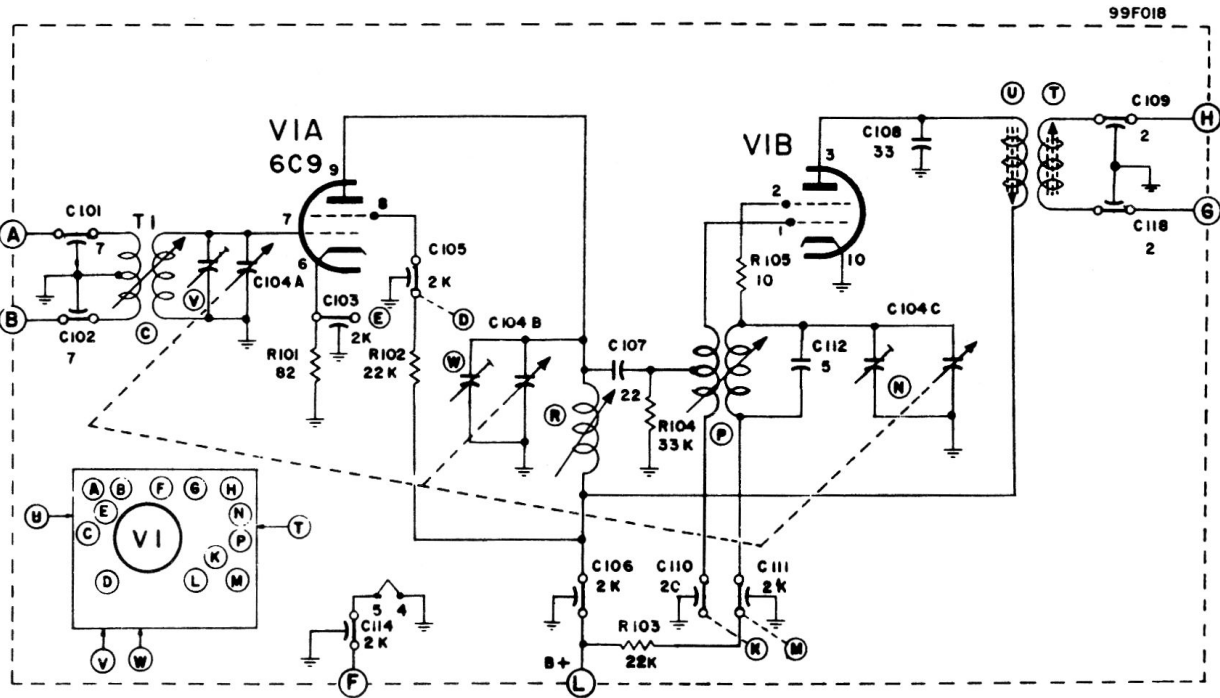


NOTES:

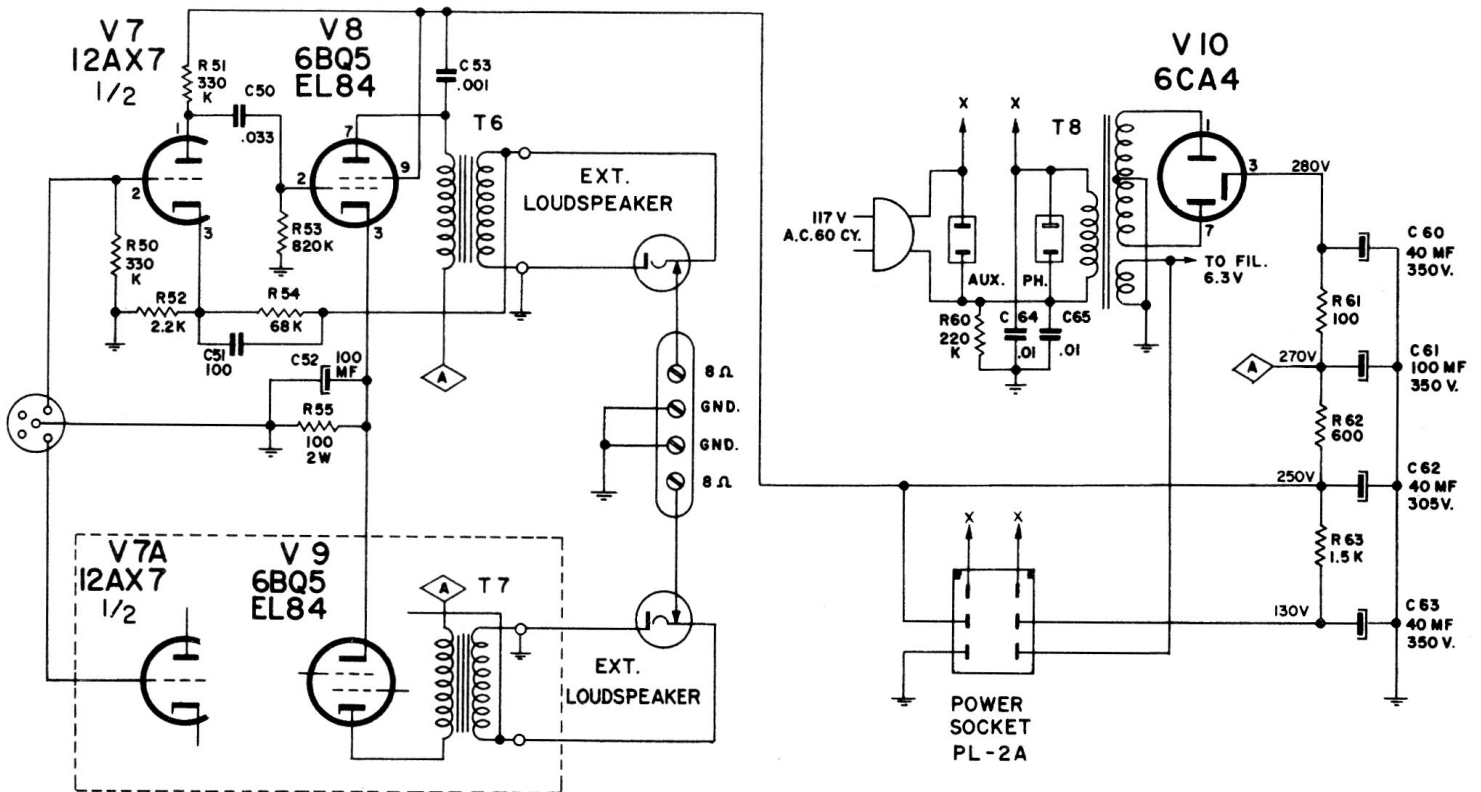
1. ALL VOLTAGES MEASURE WITH A V.T.V.M. $\pm 20\%$
2. RESISTANCE VALUES ARE IN OHMS, K-1,000
3. CAPACITANCE VALUES LESS THAN (1) ARE IN MICROFARADS (μ F), AND VALUES OF (1) OR GREATER ARE IN PICOFARADS (PF), UNLESS OTHERWISE INDICATED

Fleetwood 2076

F.M. Tuner & Power Chassis



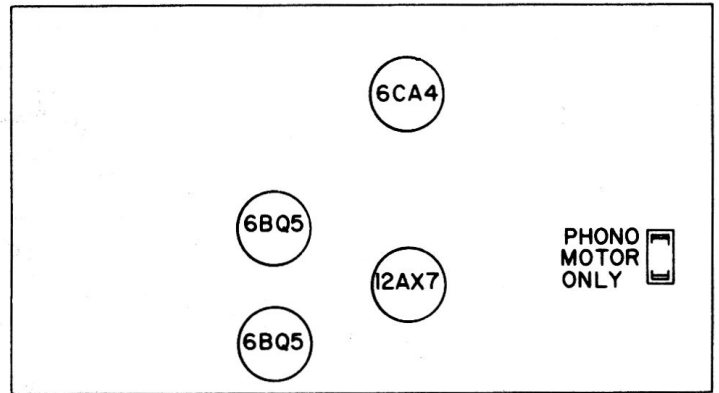
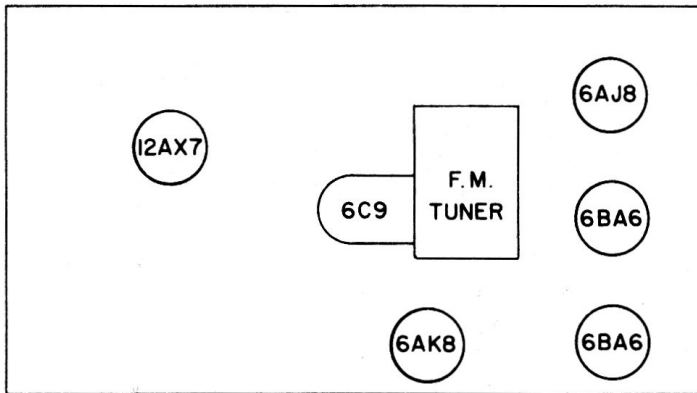
F.M. Tuner



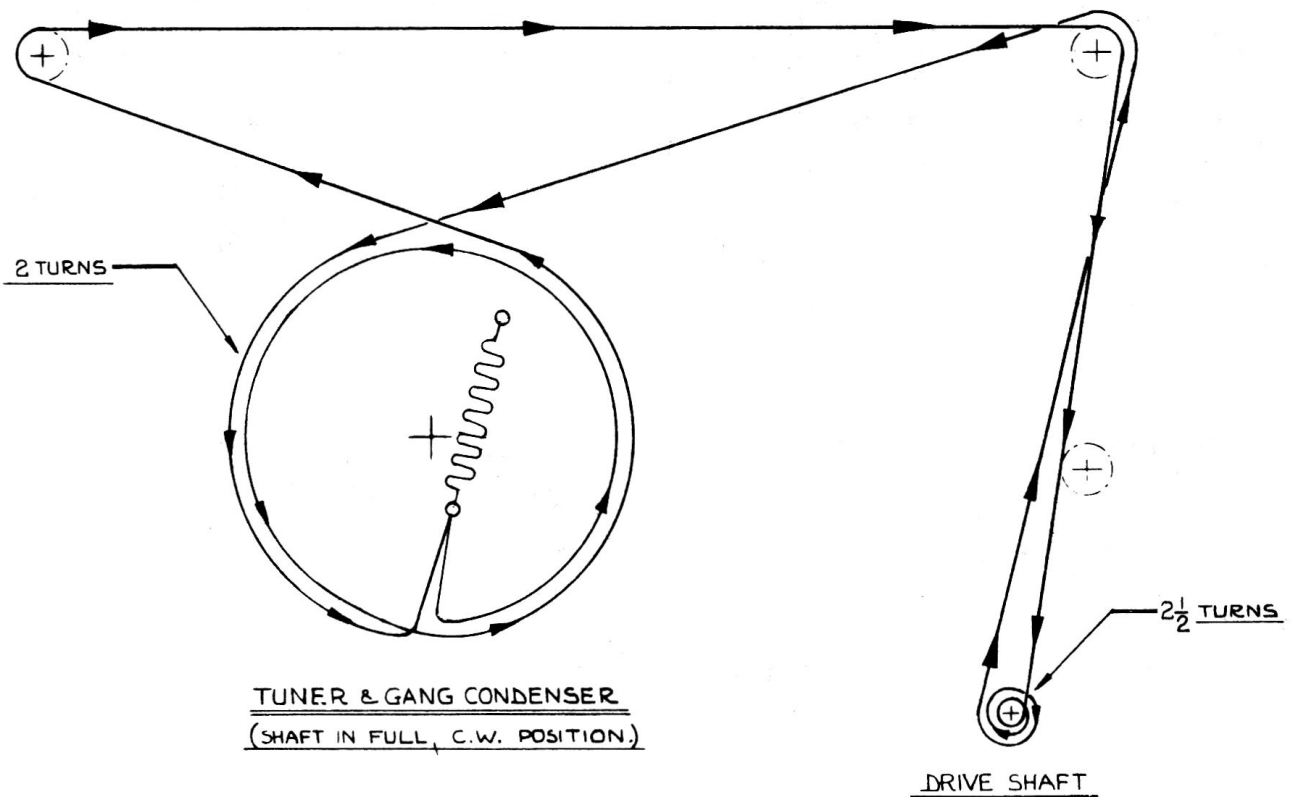
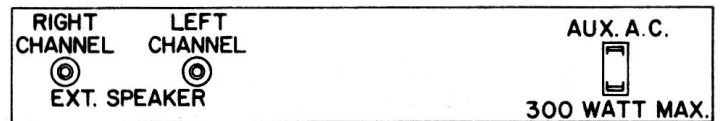
Power Chassis

Fleetwood 2076

Chassis Layouts & Dial Cord Stringing



Tube Layout



Dial Cord Arrangement

Fleetwood 2076 Alignment Procedure

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 20 Mc. (AM.).
2. Signal Generator with a Frequency Range of at least 16.5 Mc. to 109 Mc. (FM.).
3. FM. Sweep Generator.
4. Power Output Meter.
5. V.T.V.M.
6. Oscilloscope.

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. 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 10 watts.

BROADCAST

Step	Dummy Antenna	Signal Generator Coupling	Generator Freq.	Depress Function Switch	Dial Setting	Meter Connection	Adjust	Remarks
1.		To pin No. 2 of 6AJ8. Tube. Through .1 MF Capacitor	455KC.	B.C.	Gang Fully Open.	Output meter across outp. transf. terminals	T4, top & bottom. T5, top & bottom.	Adjust for max. output.
2.	Loop.	Loose Coupling to B.C. Loop.	1630KC.	B.C.	Gang Fully Open.	Same.	C2A	Adjust for max. output.
3.	Same.	Same	1400KC.	B.C.	1400KC.	Same.	C1A	Adjust for max. output.
4.	Repeat step 2 and 3 until no further change occurs.							

I.F.

1.	Direct	To 6C9 Tube through capacitive shield.	10.7MC.	F.M.	Point of non-interference	Connect V.T.V.M. Probe to TP1. Negative lead to chassis.	T1, top & bottom. T2, bottom	Adjust for max. reading.
2.	Direct	As above.	As above.	F.M.	As above.	Connect V.T.V.M. Probe to TP3. Negative lead to chassis.	T3, bottom	Same
3.	Direct	As above.	10.7 MC.	Same.	As above.	Connect V.T.V.M. Probe to TP2 and Negative lead to TP3.	Adjust T3 top.	Adjust V.T.V.M. to "zero center" before attaching adjust for "zero balance"
4.	300 Ohms balanced Input.	To antenna terminals.	10.7 MC.	Same.	Same.	Connect V.T.V.M. Probe to TP1. Negative lead to chassis.		Check IF. band width for 250KC. min. at 6DB points.

FREQUENCY MODULATION

TUNER

1.	300 Ohms.	FM Ant. Terminals	87.5 Mc.	FM	Min. Freq.	Output Meter Across Output Terminals.	Adjust Core P (T103) R (L101) C (T101)	Adjust for Max. Output
2.	Same	Same	108.5 Mc.	FM	Max. Freq.	Same.	Adjust Trimmers "N", "V", "W"	Adjust for Max. Output.
3.	REPEAT STEP 1 & 2 UNTIL NO FURTHER CHANGE OCCURS.							