

Fleetwood 2063

Fleetwood Chassis Layouts, Dial Stringing and Response Curves

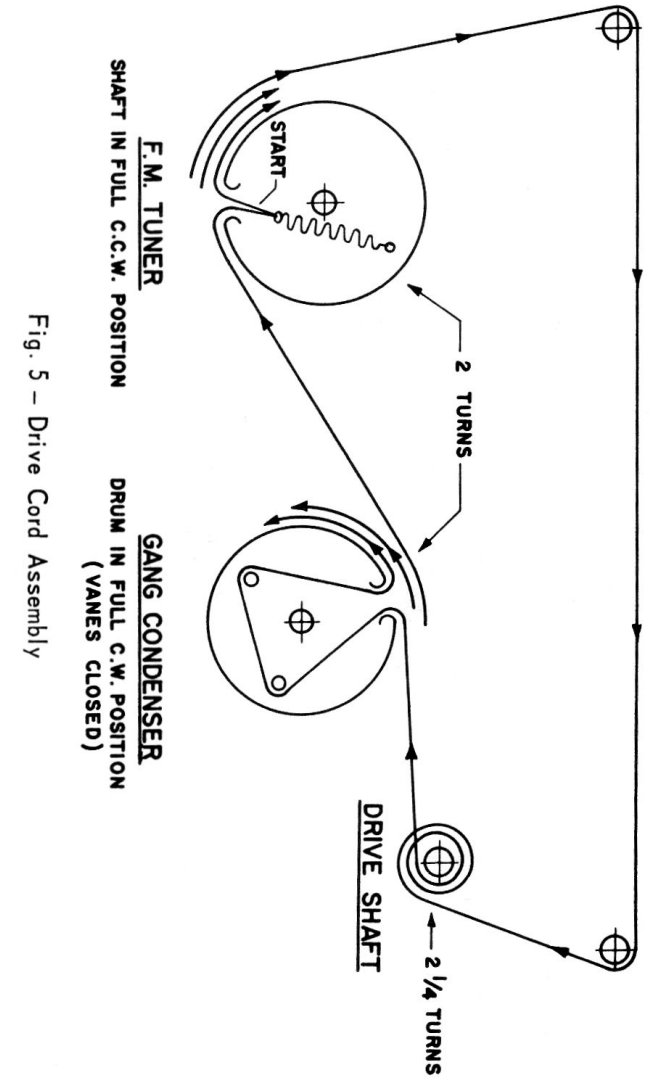
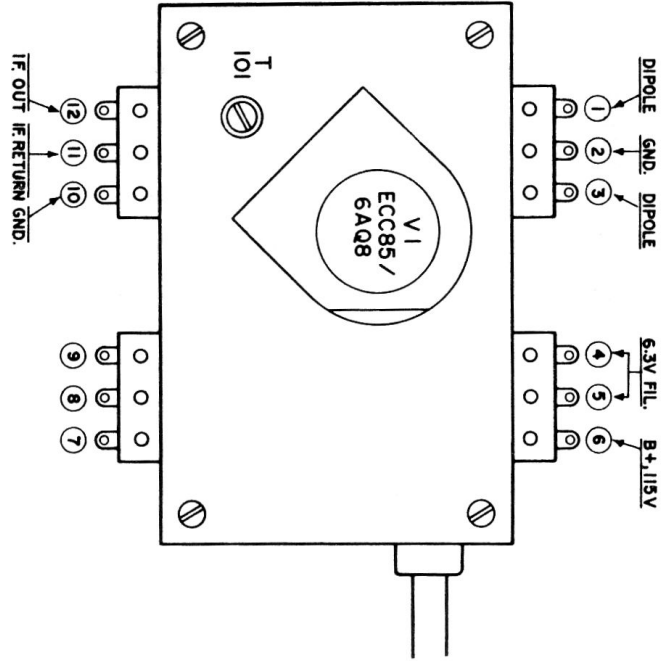
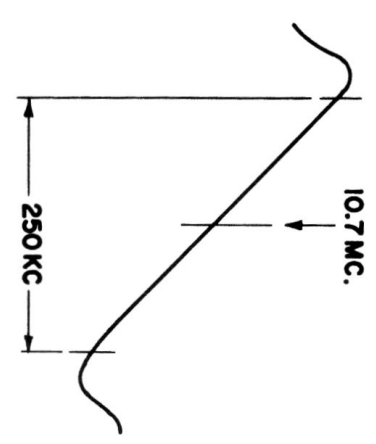


Fig. 2 - Tuner, top view.

Fig. 5 - Drive Cord Assembly

F.M. DETECTOR CURVE



F.M. BANDPASS

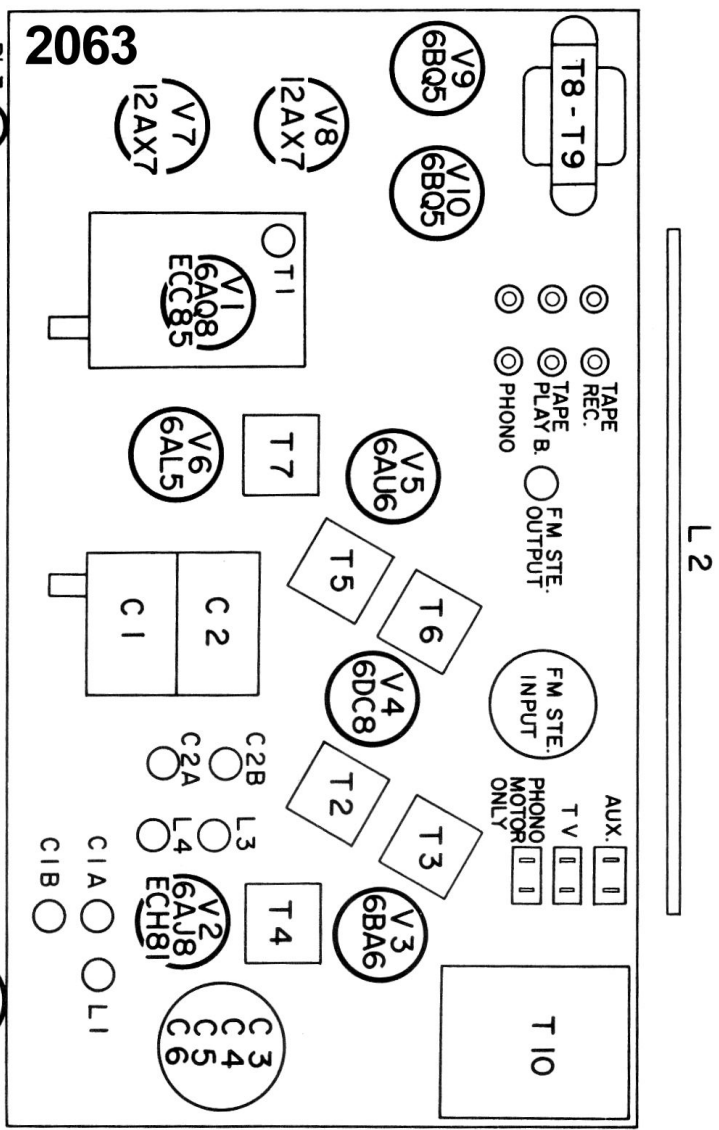
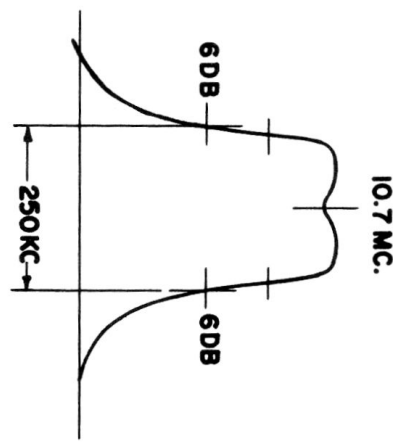


Fig. 3 - Chassis, top view.

Fig. 6 - F.M. I.F. Curves

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 10.5MC. TO 109 MC. (FM.)
3. FM. SWEEP GENERATOR. | 4. POWER OUTPUT METER.
5. V.T.V.M.
6. OSCILLOSCOPE. |
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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 LOUSPEAKER IS NOT CONNECTED ACROSS THE AMPLIFIER OUTPUT, TERMINATE OUTPUT WITH A FIVE TO TEN OHMS RESISTOR CAPABLE OF DISSIPATING AT LEAST 10 WATTS.

BROADCAST

SHORT WAVE

FREQUENCY MODULATION

STEP	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	GENERATOR FREQ.	DEPRESS FUNCTION SWITCH	DIAL SETTING	METER CONNECTION	ADJUST	REMARKS
1.		TO PIN #2 OF 6AJ8 TUBE. THROUGH .1MF CAPACITOR.	455KC.	B.C.	GANG FULLY OPEN.	OUTPUT METER ACROSS OUTP. TRANSF. TERMINALS.	T4, TOP & BOTTOM; T3, T6 TOP & BOTTOM.	ADJUST FOR MAX. OUTPUT.
2.	LOOP.	LOOSE COUPLING TO B.C. LOOP.	1630KC.	B.C.	GANG FULLY OPEN.	SAME.	C2B.	ADJUST FOR MAX. OUTPUT.
3.	SAME.	SAME.	535KC.	B.C.	GANG FULLY CLOSED.	SAME.	L3.	ADJUST FOR MAX. OUTPUT.
4.	REPEAT STEP 2 AND 3 UNTIL NO FURTHER CHANGE OCCURS.							
5.	SAME.	SAME.	1400KC.	B.C.	1400KC.	SAME.	C1B.	ADJUST FOR MAX. OUTPUT.
1.	400 OHMS.	CONNECT HIGH SIDE OF SIGNAL GENERATOR TO S.W. ANT. TERM.	18.2MC.	S.W.	GANG FULLY OPEN.	SAME.	C2A.	ADJUST FOR MAX. OUTPUT.
2.	SAME.	SAME.	5.9MC.	S.W.	GANG FULLY CLOSED.	SAME.	L4.	ADJUST FOR MAX. OUTPUT.
3.	REPEAT STEP 1 AND 2 UNTIL NO FURTHER CHANGE OCCURS.							
4.	SAME.	SAME.	15MC.	S.W.	15MC.	SAME.	C1A.	ADJUST FOR MAX. OUTPUT.
5.	SAME.	SAME.	7MC.	S.W.	7MC.	SAME.	L1	ADJUST FOR MAX. OUTPUT.
6.	REPEAT STEP 4 AND 5 UNTIL NO FURTHER CHANGE OCCURS.							
1.	DIRECT	TO 6AQ5 TUBE THROUGH CAPACITIVE SHIELD.	10.7MC.	F.M. DIST.	POINT OF NON-INTERFERENCE.	CONNECT V.T.V.M. PROBE TO TP3. NEGATIVE LEAD TO CHASSIS.	T1, TOP & BOTTOM. T2, T5 TOP & BOTTOM. T7, BOTTOM.	ADJUST FOR MAX. READING.
2.	DIRECT	AS ABOVE.	10.7MC.	SAME.	SAME.	CONNECT V.T.V.M. PROBE TO TP2 AND NEGATIVE LEAD TO TP1.	ADJUST T7 TOP.	ADJUST V.T.V.M. TO "ZERO CENTER" BEFORE ATTACHING. ADJUST FOR "ZERO BALANCE"
3.	300 OHMS BALANCED INPUT.	TO ANTENNA TERMINALS.	10.7MC.	SAME.	SAME.	CONNECT V.T.V.M. PROBE TO TP4. NEGATIVE LEAD TO CHASSIS.		CHECK IF. BAND WIDTH FOR 250KC. MIN. AT 608 POINTS.
4.	SAME.	AS ABOVE.	88MC.	SAME.	88MC.	OUTPUT METER TO SPEAKER TERMINALS.		CHECK LOWER BAND LIMIT.
5.	SAME.	AS ABOVE.	108MC.	SAME.	108MC.	AS ABOVE.		CHECK UPPER BAND LIMIT.
6.	FOR SWEEP FREQUENCY ALIGNMENT SEE FIG. 6, FM. IF. CURVES.							