

Fleetwood 5052 Alignment Information

A.M. BAND

Position of Variable	Generator Frequency	Dummy Ant.	Generator Connection (high)	Generator Connection (low)	Adjust Trimmer Function
Open	455 Kc.	.05 mfd	Mixer Grid	B Minus	I.F., T1 & T3
Open (fully)	1620 Kc.	50 mmf	Or : *	B "	Osc. C1B
1400 Kc.	1400 Kc.	50 mmf	Or : *	B "	Ant. C1A
1000 Kc.	1000 Kc.	50 mmf	Or : *	B "	Check Pt.
600 Kc.	600 Kc.	50 mmf	Or : *	B "	Check Pt.
Fully closed	635 Kc.	50 mmf	Or : *	B "	Check Pt.

* A loop fashioned of several turns of wire radiating the signal into receiver's antenna.

F.M. BAND (See Note 3)

Step	Signal Generator Coupling	Signal Generator Frequency	Dial Setting	Meter Connection	Adjust	Remarks
1	Couple high side of Sig. Generator loosely to 17C9 tube. (See Note 1 below)	10.7 M.C.	108 M.C.	Connect high side of VTVM to junction of R14 & C13 and low side to B —	Tuner IF slug U & T (See Note 2 below) T2 top & bottom. T4 bottom .	Adjust for max. output. Input level must be kept low enough so that meter reading does not exceed 2 volts.
2	Same	Same	Same	Connect high side of VTVM to junction of R9 & R10 and low side to B-Minus. (Adjust VTVM for zero centre before connecting to receiver).	T4 top	Turn sig. gen. to a higher output to allow for a zero reading. A positive and negative reading will be obtained on either side of the correct setting.
3	Connect signal gen. terminated at 300 Ohms to A & B Terminals on tuner.	108 M.C.	108 M.C.	Output meter across loudspeaker terminals.		Check calibration.
4	Same	88 M.C.	88 M.C.	Same		Check calibration.

Note 1. A tube shield may be used. Care should be taken so as not to touch the existing tube shield and so short circuit signal generator.

2. Both tuning slugs of this transformer may be reached through hole "T" in tuner by using appropriate aligning tool.

3. AFC Switch to be in "MAN." (Manual) Position.

TUNER ALIGNMENT (See Note 3)

CAUTION : This operation should be undertaken only if absolutely essential.

Step	Signal Generator Coupling	Signal Generator Frequency	Dial Setting	Meter Connection	Adjust	Remarks
1	Connect sig. gen. terminated at 300 Ohms to A & B terminals on tuner.	108 M.C.	108 M.C.	Output meter across loudspeaker terminals.	Trimmer "N"	Adjust for max. reading on output meter.
2	Same.	88 M.C.	88 M.C .	Same.	Slug "P"	Same.
	Repeat Step No. 2 until no further change noticed .					
3	Same.	108 M.C.	108 M.C.	Same.	Trimmer "W"	Same.
4	Same.	108 M.C.	108 M.C.	Same.	Trimmer "V"	Same.