



AM IF & RF ALIGNMENT

	SIGNAL GENERATOR COUPLING	SIGNAL GEN. FREQ.	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
1.	TO PIN 7 (GRID) OF 12BE6.	455KC (400 MOD.)	AM	TUNING GANG FULLY OPEN.	ACROSS VOICE COIL	S4, S2	ADJUST FOR MAXIMUM DEFLECTION.
2.	LOOP (RADIATED)	610KC	"	TUNE TO 610KC SIGNAL	"	S7	ADJUST FOR MAXIMUM DEFLECTION. WHILE ROCKING TUNING GANG.
3.	"	1650KC	"	TUNING GANG FULLY OPEN.	"	T3, T4	ADJUST FOR MAXIMUM DEFLECTION. REPEAT STEPS 1, 2, & 3.



For FM alignment information see instruction under Model 601, on preceding page, which can be applied to this set as well.

FM IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE

FREQUENCY MODULATE THE IF SIGNAL WITH A 60 CYCLE SINE WAVE TO A TOTAL DEVIATION OF 450 KC. ADJUST THE OSCILLOSCOPE INTERNAL HORIZONTAL DEFLECTION VOLTAGE TO 120 CYCLES, AND SYNCHRONIZE IT WITH THE 60 CYCLE SINE WAVE.

	SIGNAL GENERATOR COUPLING	SIGNAL GEN. FREQ.	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT SCOPE	ADJUST	REMARKS
6.	TO PIN 8 (CATHODE) OF 12DT8 THROUGH A 50 MMF (REMOTE ANT. HANK)	10.7MC 1450KC TOTAL DEV.)	FM	POINT OF NON-INTERFERENCE	VERT. AMP TO POINT  LOW SIDE TO CHASSIS.	S4, S3, S2, S1B, S1A.	DISCONNECT STABILIZER CAPACITOR 2MFD. ADJUST FOR CURVE OF MAXIMUM AMPLITUDE AND SYMMETRY SIMILAR TO FIG. 1.
7.	"	"	"	"	VERT. AMP TO POINT  LOW SIDE TO CHASSIS.	S5	RECONNECT STABILIZING CAPACITOR 2MFD. ADJUST SO THAT 10.7MC OCCURS AT CENTER OF CROSSEYER LINES, SIMILAR TO FIG. 2. SLIGHTLY RETOUCH S-4 FOR MAXIMUM AMPLITUDE AND STRAIGHTNESS OF CROSSEYER LINES, PROCEED WITH STEP 8.

FM RF ALIGNMENT

	SIGNAL GENERATOR COUPLING	SIGNAL GEN. FREQ.	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
8.	TO PIN 8 (CATHODE) OF 12DT8 THROUGH A 50 MMF (REMOTE ANT. HANK)	100MC	FM	100MC (SLUGS OUT)	DC PROBE TO POINT  COMMON TO CHASSIS.	T1, T2	ADJUST FOR MAXIMUM DEFLECTION.
9.	"	88MC	"	88MC (SLUGS IN)	"	PADDER FLAPS	MOVE PADDER FLAPS CLOSER OR FURTHER FROM OSC. & RF COILS FOR MAX. DEFLECTION. REPEAT STEPS 8 & 9 FOR HIGHEST READING.