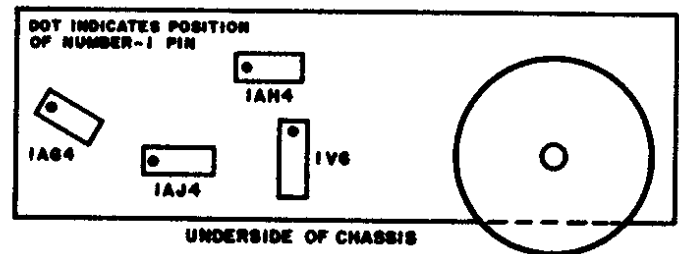


MANUAL OF 1954 MOST-OFTEN-NEEDED RADIO DIAGRAMS

Emerson

MODEL 747

CHASSIS 120178



ALIGNMENT INSTRUCTIONS

NOTE: C-5, C-2, and L-2 must be adjusted with the chassis and batteries in the cabinet. C-5 and C-2 can be adjusted by removing a small plate on the side of the cabinet by pressing it out from the inside. See Fig. 3.

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1	.1 mfd.	High side to pin 3 (grid) of IV6. Low side to chassis.	455 KC.	Tuning condenser fully open.	Across voice coil	T2 and T1	Adjust top and bottom of each for maximum output.
2		Use a loop set perpendicular and about 20" from center of bar loop ant. in set.	1640 KC.	Tuning condenser fully open.	Across voice coil	C-5 (osc. trimmer)	Fashion loop of several turns of wire and radiate signal into bar loop of receiver. Adjust for maximum output.
3		"	1400 KC.	Tune for maximum output.	Across voice coil.	C-2 (Ant. trimmer)	Adjust for maximum output.
4		"	600 KC.	Tuning condenser set for 600 KC.	Across voice coil.	Osc. slug in L-2	Rock the variable cond. each side of 600 KC while adj. osc. slug for maximum response.
5		"	1640 KC.	Tuning condenser fully open.	"	C-5 Osc. trimmer	If readjustment is necessary repeat steps 2 to 4 until no further improvement is noted.

