

EMERSON RADIO AND PHONOGRAPH

MODEL - 783B
CHASSIS - 120200-B

ALIGNMENT INSTRUCTIONS

Use isolation transformer if available. If not, connect a .1 mfd. condenser in series with low side of signal generator and B neutral.

STEP	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1	.1 mfd.	High side to grid (pin 7) of V1 (12BE6). Low side to B neutral	455 KC	Variable condenser fully open.	Across voice coil.	T2, T1 (A3, A4, A1, A2)	Adjust for maximum output. If isolation transformer is not used, reduce dummy ant. to .001 mfd. to reduce hum modulation.
2		Form loop of several turns and radiate signal into receiver	1620 KC	"	Across voice coil.	Trimmer C-4 (Osc.)	Adjust for maximum output.
3		"	1400 KC	Tune for maximum output.	Across voice coil.	Trimmer C-2 (Ant.)	Adjust for maximum output.

RESISTANCE READINGS FOR CHASSIS 120200-B

SYMBOL	TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7
V-1	12BE6	22K	0	12	24	1500*	1500*	4.0 meg
V-2	12BA6	13~	0	24	36	1500*	1500*	120~
V-3	12AT6	6.8 meg	0	0	12~	680K	0	470K*
V-4	50C5	150~	492K	36~	90~	492K	1500*	210*
V-5	35W4	NC	NC	90~	120~	135~	110~	0*

* Resistances measured to Pin 7 of Rectifier 35W4 (B+).

