



RADIO SERVICE BULLETIN

Issue: No. 71

Date of Issue: February, 1951

Subject: Model B925-X

SPECIFICATION OF S.T.C. MODEL B925-X

CIRCUIT: Five valve, dual wave, A.C. operated superheterodyne, using converter, one stage of I.F. amplification, Detector-Audio stage, power output stage, and H.T. Rectifier. A.V.C., Tone control.

TUNING RANGE:

Broadcast—530-1620 Kc/s.
Short Wave—5.9-18.2 Mc/s.

INTERMEDIATE FREQUENCY:

455 Kc/s.

VALVE COMPLEMENT:

V1 Frequency Changer 6K8G.
V2 I.F. Amplifier 6U7G.
V3 Detector-Audio 6B8G.
V4 Power Output 6V6GT.
V5 H.T. Rectifier 5Z4G.

POWER SUPPLY:

200-240 Volts A.C. 40-60 C.P.S.
Radio 60 watts, Phono 75 watts, approx.

LOUD SPEAKER:

Permag. 12 inch cone, 5000 Ohm Transformer.

CIRCUIT VOLTAGES:

With switch on radio B.C. position.

	Plate	Screen	Osc. Plate	Cathode	Heater
V1	250	100	100	3	6.3
V2	250	95	—	2.8	6.3
V3	40	25	—	1.3	6.3
V4	225	250	—	11.5	6.3
V5	250/250	—	—	290	4.8

These voltages must be measured to receiver earth with voltmeter having a resistance of at least 1000 ohms per volt (Tolerance $\pm 5\%$)
Volume control must be turned to maximum.

MEASUREMENT SPECIFICATION:

I.F. Sensitivity—V1 grid—30 microvolts.
I. F. Sensitivity—V2 grid—2.3 millivolts.
Broadcast Sensitivity—7 microvolts average.
Shortwave Sensitivity—30 microvolts average.
These figures are related to an audio frequency output of 14 volts measured between plate of V4 and chassis through a series condenser of .1 MFD capacity.

ALIGNMENT FREQUENCIES:

Broadcast—1400 Kc/s and 600 Kc/s.
Shortwave—16 Mc/s and 6 Mc/s.

CHECK POINTS:

Broadcast—1000 Kc/s.
Shortwave—10 Mc/s.