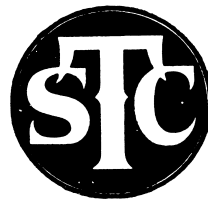


SERVICE BULLETIN



SPECIFICATION OF S.T.C. MODEL A5245

CIRCUIT: A five valve dual wave console radiogram, incorporating:
 Automatic Volume Control
 Power switch on tone control
 Inverse feedback
 Three speed mixed record changer
 New short wave band.

TUNING RANGE:

530-1620 Kc/s.
 4.8-16.2 Mc/s.

INTERMEDIATE FREQUENCY:

455 Kc/s.

VALVE COMPLEMENT:

V1 Frequency Converter 12AH8.
 V2 I.F. Amplifier 6BA6.
 V3 Detector, A.V.C. and Audio Amplifier 6AT6.
 V4 Power Output 6CH6.
 V5 Rectifier 6X4.

POWER SUPPLY:

230-250 Volts, 50 Cycles A.C.
 185 Milliampères with 240 volts at 50 cycles input on radio.
 215 Milliampères with 240 volts at 50 cycles input on phono.

LOUD SPEAKER:

6 inch by 9 inch permagnetic with 5000 ohm transformer.

CIRCUIT VOLTAGES:

	Plate	Screen	Osc. Plate	Cathode	Heater
V1	220	56	73	0	6.15
V2	220	56	—	0	6.15
V3	91	—	—	0	6.15
V4	256	220	—	0	6.15
V5	250/250	—	—	273	6.15

These voltages may vary within 5% of their stated values and must be measured to receiver earth with a voltmeter having a resistance of at least 1000 ohms per volt. Volume control must be turned to maximum.

MEASUREMENT SPECIFICATION:

I.F. Sensitivity—V1 grid 25 microvolts.
 I.F. Sensitivity—V2 grid 2 millivolts.
 Broadcast sensitivity—4 microvolts average.
 Short Wave sensitivity—50 microvolts average.
 These figures are related to an audio frequency output of 17 volts measured between the plate of V9 and Pin 7.V5 through a series condenser of .1 MFD capacity. When measuring I.F. sensitivity a .1 MFD condenser should be used between the "HOT" signal generator lead and grid of V1 or V2. Do not disconnect any wiring.

ALIGNMENT FREQUENCIES:

Broadcast:—600 Kc/s. and 1400 Kc/s.
 Short Wave:—5 Mc/s. and 15 Mc/s.

CHECK POINTS:

Broadcast:—1000 Kc/s.
 Short Wave:—9 Mc/s.

MODEL 5245

