



RADIO SERVICE BULLETIN

Issue: No. 88

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Subject: Model A4110

SPECIFICATION OF S.T.C. MODEL A4110

CIRCUIT: Four valve, A.C. operated superheterodyne with A.V.C. and reflex amplifier. Uses converter; combined I.F. amplifier-detector-audio amplifier; power output pentode, and H.T. Rectifier. Power switch on volume control.

TUNING RANGE:

530-1620 Kc/s.

INTERMEDIATE FREQUENCY:

455 Kc/s.

VALVE COMPLEMENT:

V1 Frequency changer 6BE6.
V2 I.F. amplifier-detector-audio amplifier 6AR7-GT.
V3 Power output 6BW6.
V4 H.T. rectifier 6X5-GT.

POWER SUPPLY:

200-240 Volts, 40-60 cycles A.C.
190 M.A. with 240 volts input.

LOUD SPEAKER:

Permag. 5 inch, 5000 ohm Transformer.

CIRCUIT VOLTAGES:

	Plate	Screen	*Grid	Cathode	Heater
V1	215	100	-2.5	—	6.2
V2	215	90	-2.5	—	6.2
V3	235	215	-12.5	—	6.2
V4	250/250	—	—	254	6.2

*Applied through back bias network.

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.

When measuring I.F. Sensitivity a .1 MFD condenser should be used between the "Hot" signal generator lead and the grid of V1. Do not disconnect any wiring.

MEASUREMENT SPECIFICATION:

I.F. Sensitivity—V1 grid 80 microvolts.

Broadcast Sensitivity 20 microvolts average.

These figures are related to an audio frequency output of 14 volts measured between plate of V3 and B + maximum through a series condenser of .1 MFD capacity.

ALIGNMENT FREQUENCIES:

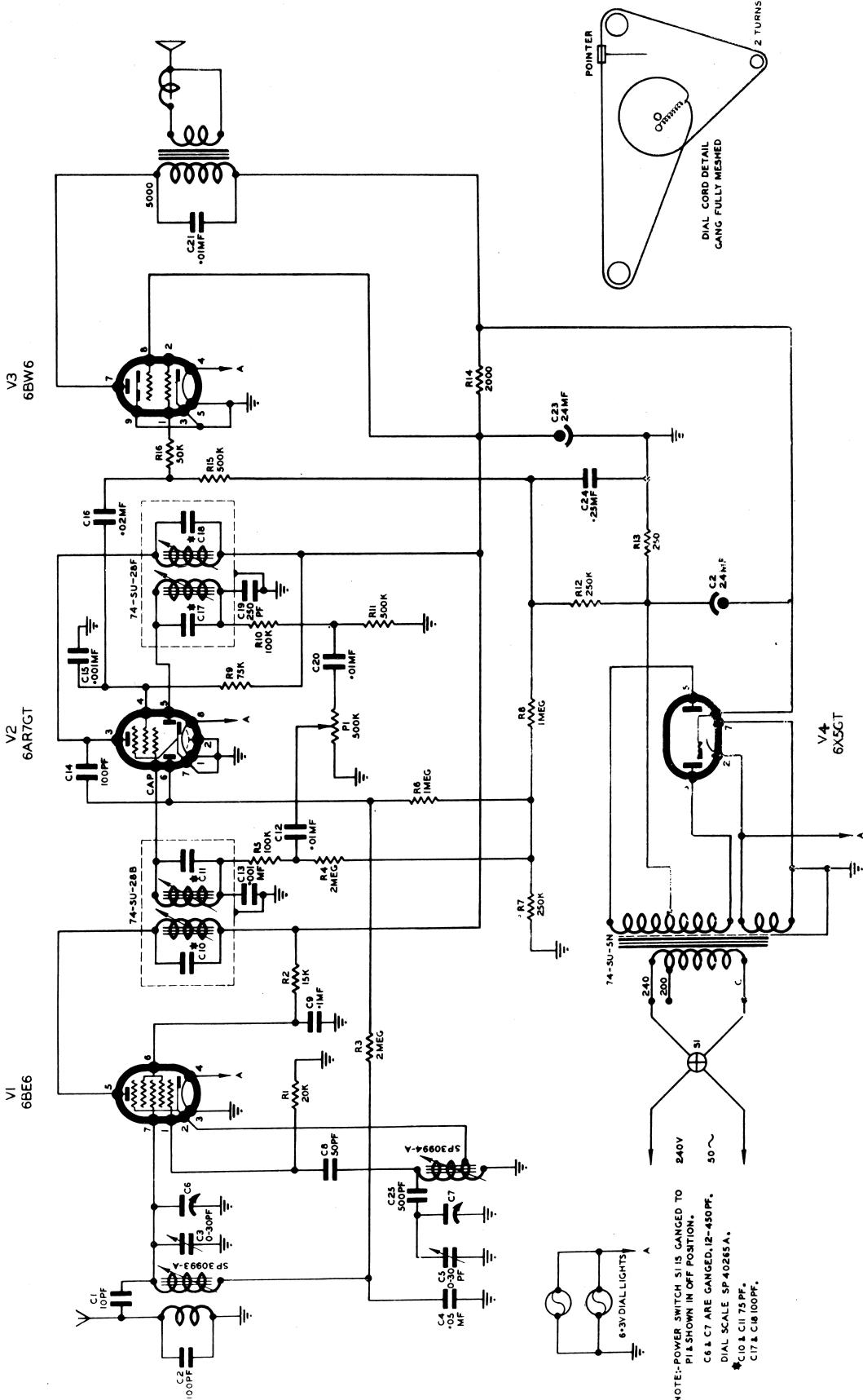
1400 Kc/s and 600 Kc/s.

CHECK POINT:

1000 Kc/s.



MODEL A4110









MODEL

1

WARNING

REMOVE POWER PLUG FROM
SOCKET BEFORE MAKING ANY
ADJUSTMENTS
SERIAL N°:

VALVE LAYOUT

SEADS ERRE

SARIT EXIT

PORT OPERATION ON
230-250 VAC 50-60Hz