

# Service Data for the Healing Receivers

## MODELS 49B, 409B, 400B and 401B

Power Supply—1.5 volt A Battery, 90 volt B Battery.

Frequency Range—550 to 1,620 kilocycles.

Intermediate Frequency—455 kilocycles.

Speaker Transformer Impedance—9,000 ohms.

Battery Current—.25 amp. A Battery and 11 ma. B Battery.

Typical Valve Voltages (measured to chassis)—

		1,000 ohms per volt D.C. meter scales			
		10 V.	250 V.	250 V.	250 V.
Valve	Use	Filament	Screen	Plate	Osc. Plate
1A7G . . . .	Osc. Mod.	1.4	40	83.5	83.5
1N5G . . . .	I.F.	1.4	83.5	83.5	
1H5G . . . .	Det. A.V.C., 1st A.F.	1.4		20	
1C5G . . . .	2nd A.F.	1.4	83.5	80	

Voltage across 600 ohm resistor, 6.5 volts.

Voltage measurements taken with aerial disconnected and no signal input.

See pages 153 and 117 for alignment procedure.

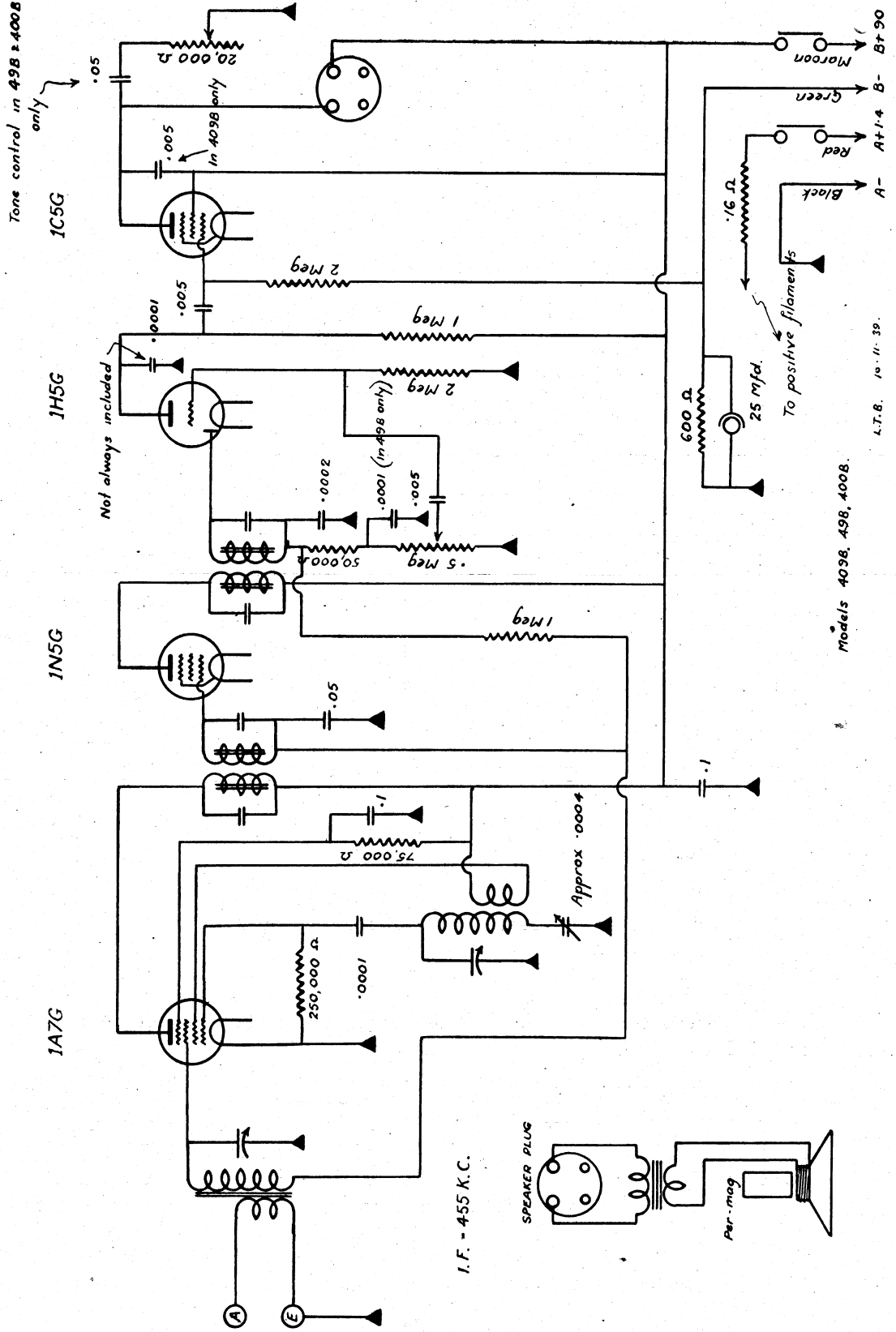
**Trimmers.**—The aerial section of the condenser gang is at the back on models 49B and 400B, and at the front on model 409B

**Note.**—In Models 409B and 49B some variation may be observed in the values of the audio coupling components. For example, the 1H5G plate resistor was altered from 250,000 to 1 megohm, and the grid resistors on the 1H5G and 1C5G both made 2 megohm in order to increase the audio gain. Those values shown on the circuit will give maximum audio gain.

**Model 401B** is identical with 400B, except that the 1Q5G valve is used in the output stage, with a 450 ohm bias resistor in the B—lead instead of 600 ohms.

# HEALING

Service Data for the Healing Receivers, Models 49B, 409B, 400B and 401B.



Tone control in 49B & 400B only

1C5G

1H5G

1N5G

1A7G

Not always included

I.F. - 455 K.C.

SPEAKER PLUG

Per-mag

Models 409B, 49B, 400B.

L.T.B. 10-11-39.

**Circuit Diagram of Models 49B, 409B, 100B and 401B (see note re 401B)**