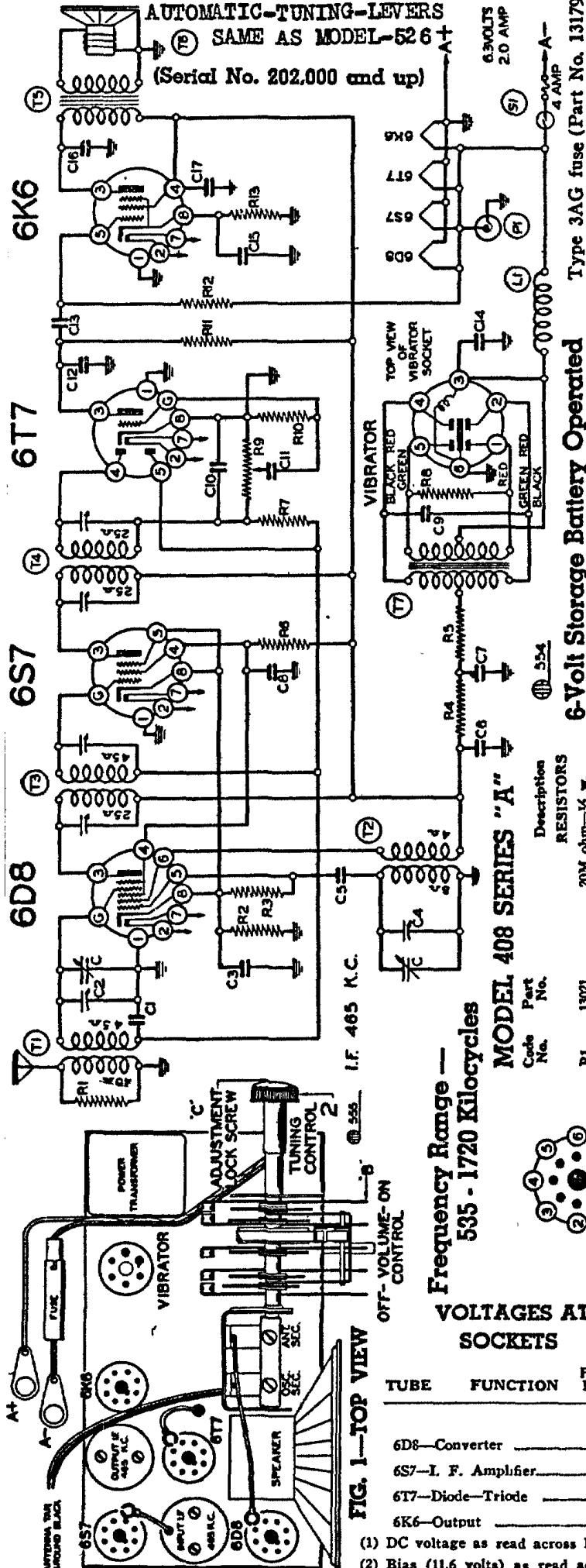


PROCEDURE FOR SETTING AUTOMATIC-TUNING-LEVERS SAME AS MODEL-526 (Serial No. 202,000 and up)



ALIGNING I.F. TRANSFORMERS Alignment, Parts

Part No. 10895D Output I. F. Transformer

Part No. 10896E Input I. F. Transformer

These I.F. transformers have two adjustments, both of which are accessible from the top of chassis (see Fig. 1).

1. With volume control full on (the extreme right of its rotation), and with the variable condenser set to approximately 1400 kilocycles, make the following adjustments:
 - (a) Connect external oscillator set at 465 kilocycles, in series with .1 mfd. condenser, to the control grid cap of the type 6S7G tube, and adjust the output I.F. transformer (No. 10895D) to resonance.
 - (b) Move oscillator output clip from grid of 6S7G to grid of 6D8G and adjust input I.F. transformer (No. 10896E) to resonance.
 - (c) With oscillator still connected to 6D8G, readjust output I.F. transformer (10895D) if necessary.

R.F. ALIGNMENT: (535-1720 K. C.)

1. With gang condenser in its minimum capacity position, plates entirely out of mesh, connect an external oscillator in series with a 100 mmf. condenser to the antenna lead and chassis ground and make the following adjustments:
 - (a) with external oscillator set at 1720 kilocycles, adjust oscillator trimmer to resonance. This adjustment is on the top of rear section of variable gang condenser. (See Fig. 1).
 - (b) Re-set external oscillator to 1400 kilocycles, rotate condenser, pick up oscillator signal and adjust antenna trimmer to resonance. (Top of front section of gang condenser.
 - (c) Check sensitivity at 600 and 1000 kilocycles.

MODEL 408 SERIES "A"

Part No. Code No.

RESISTORS

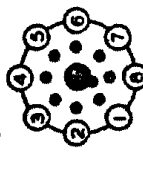
20M ohm— $\frac{1}{2}$ w.	13021
250 ohm— $\frac{1}{2}$ w.	13081
50M ohm— $\frac{1}{2}$ w.	13012
200 ohm— $\frac{1}{2}$ w.	13084
200 ohm— $\frac{1}{2}$ w.	13084
15M ohm— $\frac{1}{2}$ w.	13019
3 megohm— $\frac{1}{2}$ w.	130170
200 ohm— $\frac{1}{2}$ w.	13084
500M ohm Volume control	101107
15 megohm— $\frac{1}{2}$ w.	130225
200M ohm— $\frac{1}{2}$ w.	1309
500M ohm— $\frac{1}{2}$ w.	1303
400 ohm— $\frac{1}{2}$ w.	13024

CONDENSERS

2 gang variable condenser	10267B
.05 x 200 v.	1009
Antenna Trimmer on gang	10022
.05 x 200 v.	12912
Oscillator trimmer-on gang	11957
.00025—mica	11958
15 mfd.—150 v.	10022
30 mfd.—150 w. v.	10068
.05 x 200 v.	12912
.003 x 1400	10011
.00025—Mica	10011
.01 x 400 v.	1292
.01 x 400 v.	10011
.5 x 120 w. v.	10031
15 mfd.—25 w. v.	11957
.006 x 600 v.	10019
.1 x 200 v.	10020

C6 and C15 in same unit

Frequency Range — 535 - 1720 Kilocycles



WIRING SIDE OF OCTAL
TUBE SOCKET SHOWING
LOCATIONS OF PINS

T1	11192
T2	11073
T3	10896E
T4	10895D
T5	10570
T6	114118
T7	104137
L1	10568
P1	10789
S1	1268

PARTS

C1	Antenna Coil Complete
C2	Oscillator Coil Complete
C3	Input I. F.—465 kc. Complete
C4	Output I. F.—465 kc. Complete
C5	Output Transformer
C6	5" P. M. Speaker
C7	Power Transformer
C8	"A" Choke—
C9	Pilot light—Type 40—6.3 v.—.15 amp.
C10	Off-on switch on volume control
C11	Vibrator

VOLTAGES AT SOCKETS

TUBE	FUNCTION	Prong No. 1	Prong No. 2	Prong No. 3	Prong No. 4	Prong No. 5	Prong No. 6	Prong No. 7	Prong No. 8
6D8—Converter	(1)	0	6.25	137	80		137	6.25	3.0
6S7—I. F. Amplifier	(1)	0	6.25	137	80	3.0		6.25	3.0
6T7—Diode-Triode	(1)	0	6.25	57				6.25	0
6K6—Output	(1)	0	6.25	130	137			6.25	5.4 (2)

- (1) DC voltage as read across heater terminals 2 and 7.
- (2) Bias (11.6 volts) as read across terminals 8 to 7.

Supply Voltage 6.3 DC—Volume Control; Maximum Readings taken with 1000 ohm-per-volt meter