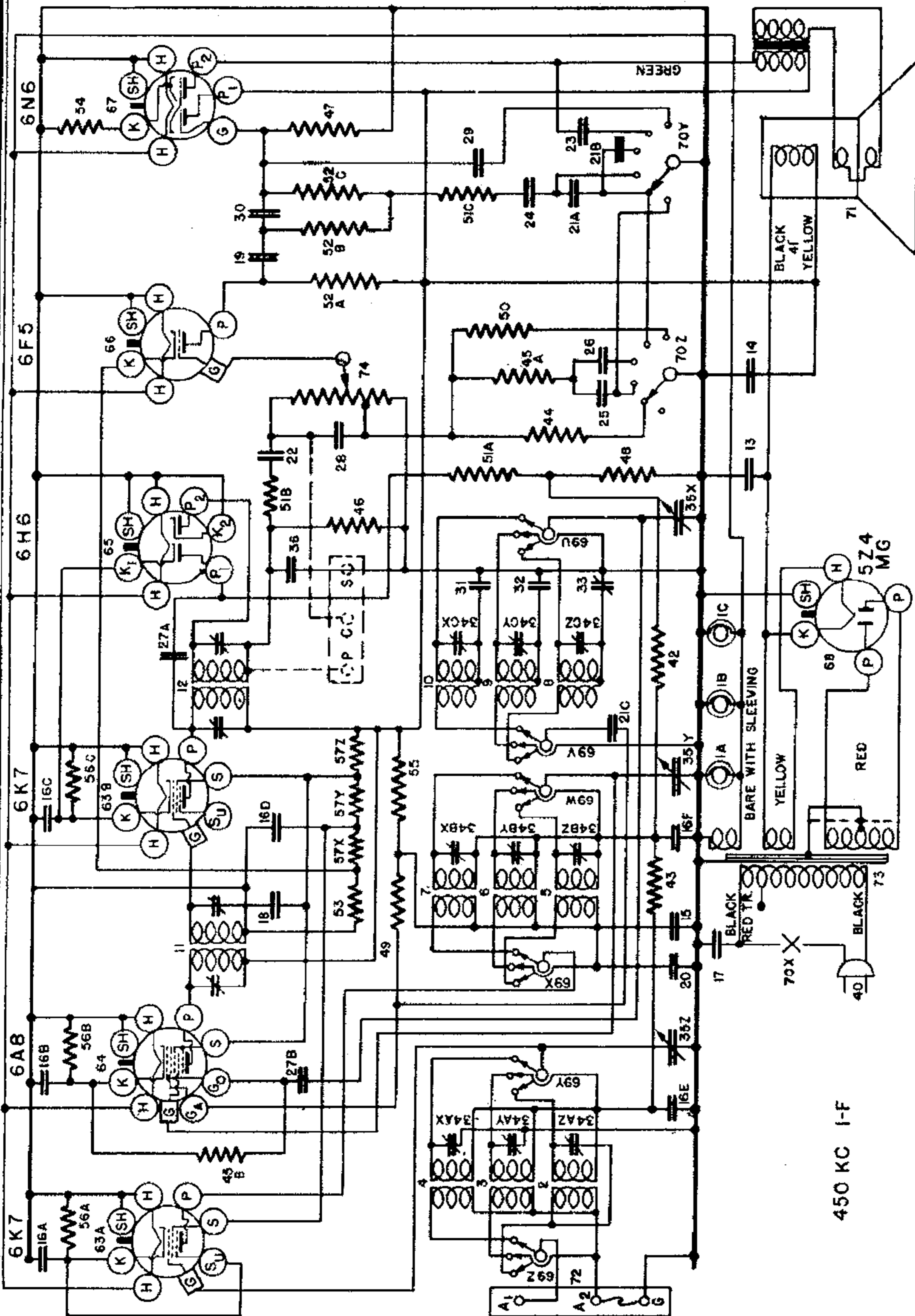


CROSLLEY RADIO CORP.

MODEL 726
Schematic, Voltage



CHASSIS MODEL 726

SALES MODEL 769

Sept. 1936

NATING CURRENT power supply. It is available with either 110 V., 60 Cy., or 110 V., 25 Cy., Transformers. It is a three band receiver and the dial is divided into three sections as follows:

The Crosley Radio Model 726 is a seven tube superheterodyne receiver designed to operate on an ALTER-

SPECIFICATIONS

- BLUE 540-1800 Kilocycles (American Broadcast Band)
- RED 1.8- 6.0 Megacycles (Police and Amateurs)
- GREEN 6.0-18.0 Megacycles (High Frequency Band)

TUBE SOCKET VOLTAGE READINGS

Tube	Where Used	H	P	P ₂	S	G	Su	K	Ca
6K7	R. F. Amplifier	6.3	235	—	73	0	3.0	3.0	—
6A8	Osc.-Mod.	6.3	270	—	96	0	—	3.5	145
6K7	I. F. Amplifier	6.3	270	—	96	0	2.7	2.7	—
6H6	Det. & AVC	6.3	0	—	—	—	—	0	—
6F5	A. F. Amplifier	6.3	135	—	—	0	—	2.5	—
6N6	Output	6.3	270	260	—	0	—	2.2	—
5Z4MG	Rectifier	5.0	—	—	—	—	—	350	—

Power Output Approximately 6 Watts.
Power Consumption Approximately 83 Watts at 117.5 Volts.
Voltage Drop Across Speaker Field 77 Volts

MODEL 726
Socket, Trimmers
Chassis, Alignment
Parts

CROSLEY RADIO CORP.

ALIGNMENT PROCEDURE

All the circuits in this receiver are very accurately adjusted at the factory and normally should need no further adjustment. However, if it is definitely known that an adjustment is necessary the circuits may be properly aligned with the use of a modulated signal generator and an output roter.

CONNECTING OUTPUT METER

Connect the output meter to the two plates of the 6N6 Output Tube. Be sure the meter is protected from D.C. by connecting a condenser (.1 mfd. or larger—not electrolytic) in series with one of the leads.

1. Tuning I-F Amplifier to 450 Kilocycles.

(a) Connect the output of the signal generator through a .02 mfd. condenser to the top cap of the 6A8 tube, leaving the tube's grid clip in place. Connect the ground lead from the signal generator to the "GND" terminal of the receiver. KEEP THE GENERATOR LEADS AS FAR AS POSSIBLE FROM THE GRID LEADS OF THE OTHER SCREEN GRID TUBES.

(b) Set the station selector so that the tuning condenser plates are completely out of mesh. Turn the volume control knob to the right (ON) and turn the fidelity control knob to the left (NORMAL).

(c) Turn the band selector switch to the High Frequency Band.

(d) Set the signal generator to 450 kilocycles.

(e) Adjust both trimmers located on top of the 2nd I-F transformer for maximum output.

(f) Adjust both trimmers located on top of the 1st I-F transformer for maximum output.

(g) Check operations (e) and (f) for more accurate adjustments.

ALWAYS USE THE LOWEST SIGNAL GENERATOR OUTPUT THAT WILL GIVE A REASONABLE OUTPUT METER READING.

Aligning R-F Amplifier.

When aligning the R-F Amplifier the output lead of the signal generator is connected to the "ANT" terminal of the receiver. For the BLUE and RED bands a .00025 mfd. condenser must be connected in series with the output lead of the signal generator and for the high-frequency band a 400 ohm carbon resistor should be used in place of the condenser.

Each band should first be shunt aligned and then series aligned, where provision is made for series alignment (BLUE band). The band selector switch should be set for the band being aligned and the station selector and signal generator should be set to the frequency indicated (c) for each adjustment.

(a) Adjust the "OSC." "ANT" and "R-F" shunt trimmers in the order given for maximum output. Re-adjust the station selector slightly so that the generator signal is tuned-in with maximum output and then check the adjustments of the "ANT" and "R-F" trimmers. DO NOT READJUST the "OSC" TRIMMER.

NOTE: When shunt aligning the RED and GREEN bands care must be exercised so that the circuits will be aligned on the correct frequency rather than on the image frequency which is approximately 900 kilocycles less than the fundamental. To check on this, increase the output of the signal generator ten times, or more, and try to tune-in the signal both at the generator frequency as indicated on the station selector dial and at approximately 900 kilocycles less than the correct frequency. If the circuits have been properly aligned the signal can be tuned-in at both positions but much stronger at the correct position.

(b) To align the series trimmer (Item 33, Fig. 2) set the signal generator to the frequency indicated (c) and then tune-in this signal with the station selector for maximum output. To obtain the best adjustment for the series trimmer it will be necessary to rotate the station selector back and forth slightly while adjusting the trimmer for maximum output.

(c) Signal Input Frequencies:

American Broadcast Band (BLUE)	1700 Kilocycles	600 Kilocycles
Police Band (RED)	6000 Kilocycles	
High-Frequency Band (GREEN)	18000 Kilocycles	

PARTS LIST

Item No.	Part No.	Description
IABC	W -37922	Dial Light
	G3 -37965	Socket Assy. Dial Light
2	G110-32000	Coil Ant. 540-1800 Kc.
3	G111-32000	Coil Ant. 1800-6000 Kc.
4	G112-32000	Coil Ant. 6-18 Mc.
5	G76 -32001	Coil R. F. 540-1800 Kc.
6	G89 -32001	Coil R. F. 1800-6000 Kc.
7	G90 -32001	Coil R. F. 6-18 Mc.
8	G115-32002	Coil Osc. 590-1800 Kc.
9	G121-32002	Coil Osc. 1800-6000 Kc.
10	G122-32002	Coil Osc. 6-18 Mc.
11	G121-32004	1st. IF. Assy.
12	G120-32004	2nd. IF. Assy.
13	W -36055	Condenser, 35Mf. 400V.
14	W -36057	Condenser, 40Mf. 300V.
15	W -41081	Condenser 16Mf. 250V.
16A	W -36541	Condenser, .02Mf. 160V.
TO	W -36541	Condenser, .02Mf. 160V.
16F	W -36541	Condenser, .02Mf. 160V.
17	W -30805	Condenser, .01Mf. 400V.
18	W -35936	Condenser, .05Mf. 200V.
19	W -32780B	Condenser, .05Mf. 400V.
20	W -32378	Condenser, .01Mf. 400V.
21A	W -35139	Condenser, .004Mf. 400V.
21B	W -35139	Condenser, .004Mf. 400V.
21C	W -35139	Condenser, .004Mf. 400V.
22	W -28621	Condenser, .02Mf. 200V.
23	W -23615	Condenser, .05Mf. 400V.
24	W -30323	Condenser, .01Mf. 200V.
25	W -28619	Condenser, .006Mf. 200V.
26	W -25435	Condenser, .003Mf. 400V.
27A	G2 -34002	Condenser, .0001Mf. (Mica)

27R	G2 -34002	Condenser, .0001Mf. (Mica)
28	G8 -34002	Condenser, .0001Mf. (Mica)
29	G3 -34002	Condenser, .0005Mf. (Mica)
30	G6 -34002	Condenser, .00025Mf. (Mica)
31	G20 -34000	Condenser, 4910Mf. (Mica)
32	G7 -34000	Condenser, 1450Mf. (Mica)
33	-40769	Condenser, B. C. Osc. Series Trim.
34	W -35951	Condenser, 3 Section Trimmer
35	G52 -33002	Condenser, 3 Gang Var. Tuning
	MC33-42255	Final Drive Assy.
	C -42491	Dial Glass (Calibrated)
	-42300	Drive Unit
	-42597	Dial Mask (Cardboard)
	W -42180	Dial Hand, Pointer
	-41134	Dial Hand, Time Log
	W -40486	Pointer Mtg. Screw
	G1 -34002	Condenser, .00025 Mf. (Mica)
	W -30270	Condenser, .001 Mf. 300V.
	B -33906A	Power Cord & Plug
	G3 -35696	Cable, Speaker
	-37245	Resistor, Meg. Ohm. 1/4 W.
	-35600	Resistor, 100,000 Ohm. 1/4 W.
	-36319	Resistor, 75,000 Ohm. 1/4 W.
	-35928	Resistor, 60,000 Ohm. 1/4 W.
	-35928	Resistor, 60,000 Ohm. 1/4 W.
	-36321	Resistor, 400,000 Ohm. 1/4 W.
	-38623	Resistor, 750,000 Ohm. 1/4 W.
	-36322	Resistor, 500,000 Ohm. 1/4 W.
	-37377	Resistor, 20,000 Ohm. 1 W.
	-35929	Resistor, 150,000 Ohm. 1/4 W.
	-35601	Resistor, 300,000 Ohm. 1/4 W.
	-35601	Resistor, 300,000 Ohm. 1/4 W.
	-35930	Resistor, 200,000 Ohm. 1/4 W.
	-35930	Resistor, 200,000 Ohm. 1/4 W.
	-35930	Resistor, 200,000 Ohm. 1/4 W.
	W -30127	Resistor, 450 Ohm. 1/4 W. Flex.
	W -29012A	Resistor, 40 Ohm. 1/4 W. Flex.
	-6705	Resistor, 350 Ohm. 1 W.
	W -28589	Resistor, 350 Ohm. 1/2 W. Flex.
	W -28589	Resistor, 350 Ohm. 1/2 W. Flex.
	W -28589	Resistor, 350 Ohm. 1/2 W. Flex.
	57Z	Resistor, 16,500 Ohm.
	57Y	Resistor, 4,000 Ohm.
	W -37781	Resistor, 18,500 Ohm. [Cand. Ohm.]
	57X	Socket Type 6K7
	63A	Socket Type 6K7
	63B	Socket Type 6A8
	64	Socket Type 6H6
	65	Socket Type 6F5
	66	Socket Type 6N6
	67	Socket Type 5Z4
	68	Band Selector Switch
	69	Fidelity Switch
	70Z	Fidelity Switch
	70Y	Line Switch
	70X	Speaker "M" Spec. 1D640
	71	Cone Assy.
	-615CJ3	Field Coil [For Above Speaker]
	-42883	Output Trans.
	-40406	Ant. & Gnd. Terminal Assy.
	-42885	Power Trans. 60 Cy. 110 V.
	G27 -26719	Power Trans. 25 Cy. 110 V.
	-42260	Volume Control 3 Meg.
	-42261	Misc. Parts
	-42501	Escutcheon
	C -42045	Escutcheon Rubber
	D -42043	Screws—Escutcheon Mtg.
	B -30	Lens—Escutcheon
	C -42044	Emblem
	W -40230B	Nut—Emblem Mtg.
	W -32620	Rubber Mtg. Foot
	W -36117	Knob, (2 Req.)
	W -37339	Knob, B. S. Sw. (1 Req.)
	W -40192B	Knob, S. S. (1 Req.)
	W -42490	Cabinet
	6-NG	

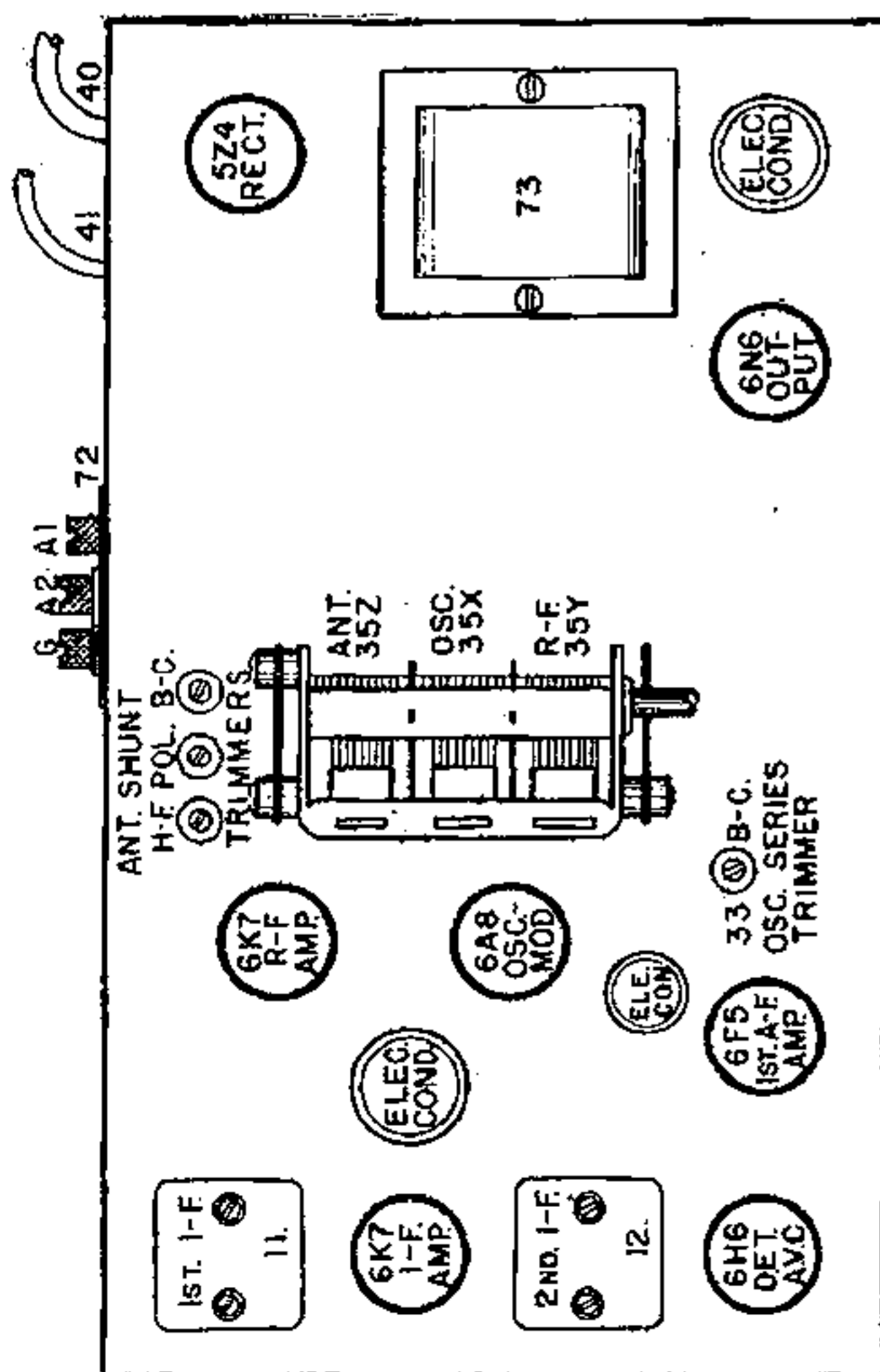


Fig. 2 Top View 726

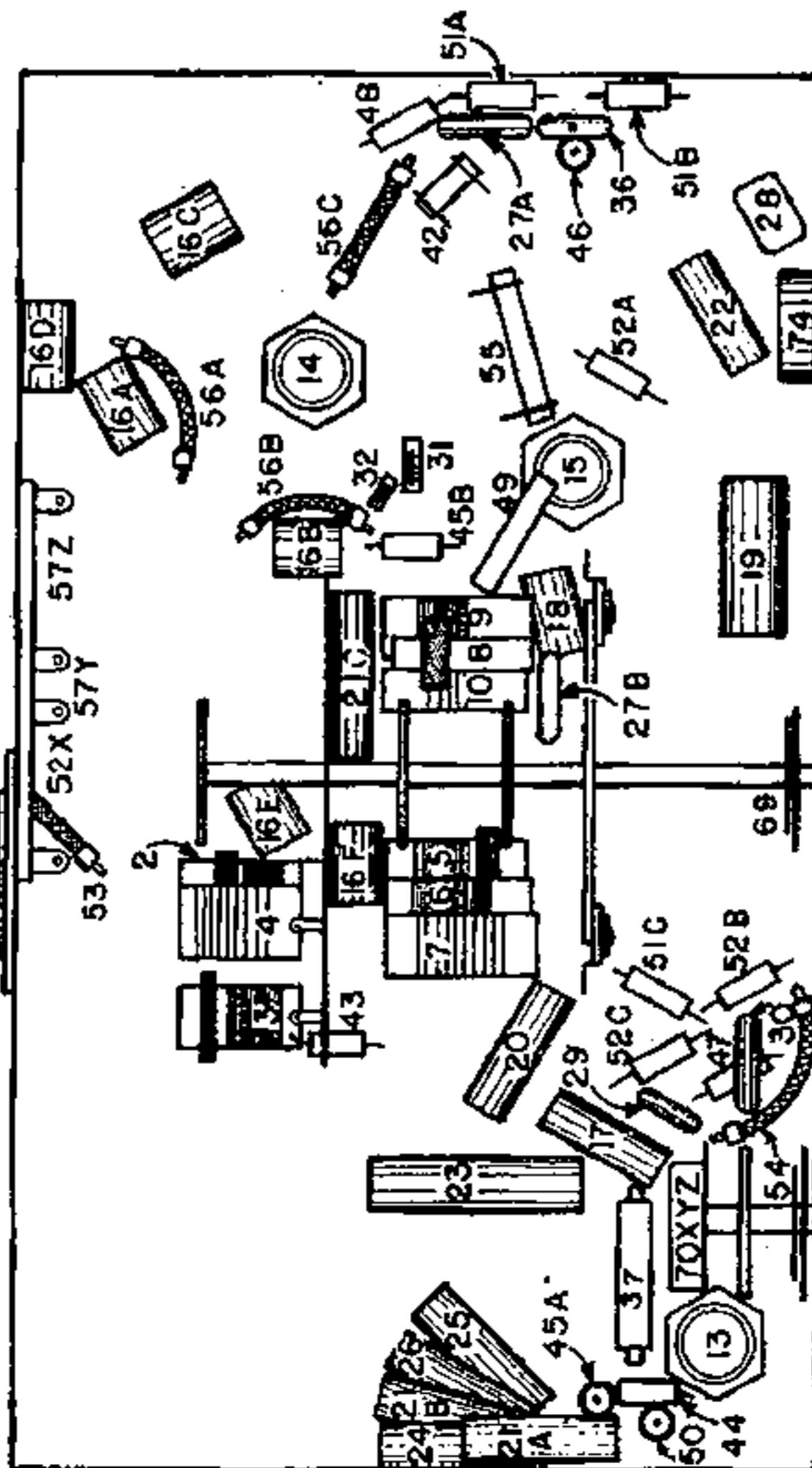


Fig. 3 Bottom View 726

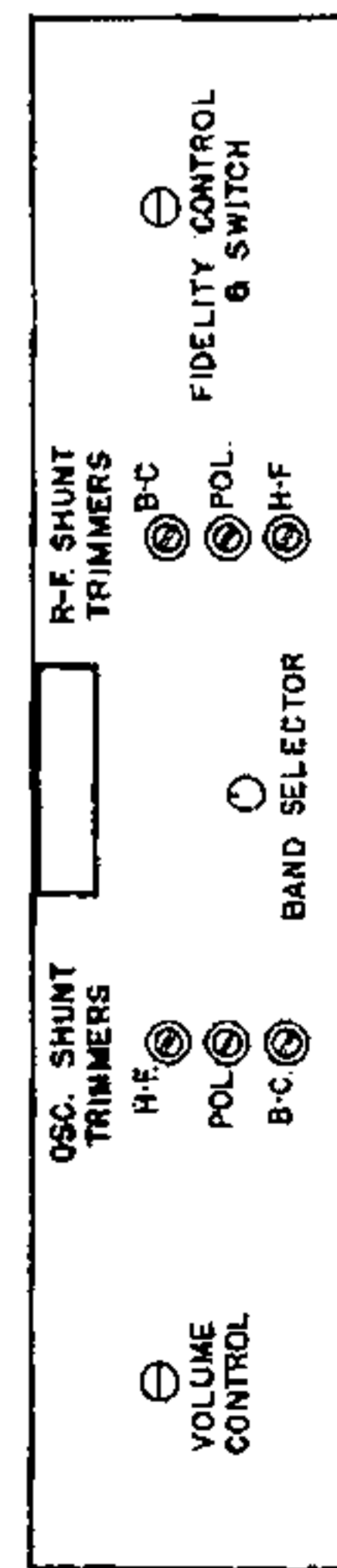


Fig. 4 Front View 726