Models 410, 410A

Radio Receivers

Specifications

Frequency Range:

530-1540 K.C.

Tubes:

Type	Function
6D6	R.F Amplifier
6C6	Detector
41	Output
80	Rectifier

Power Supply:

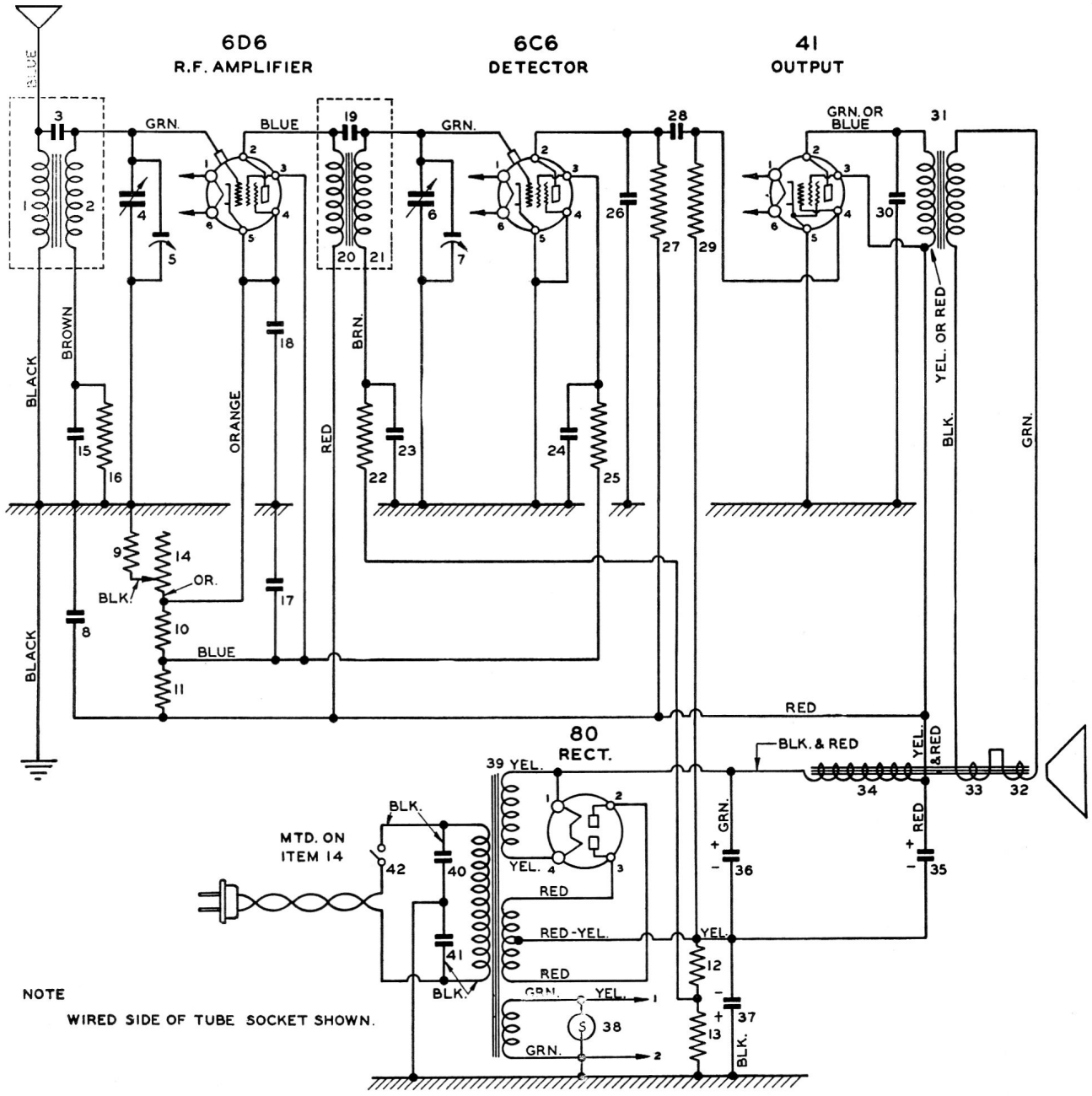
Model 410: 105 to 125 volts A.C. 60 cycle
Model 410A: 105 to 125 volts A.C. 25-60 cycle

Controls:

Left—Volume control
Right—Tuning control

Cabinet:

Table model.



Schematic Diagram - Model 410 Receiver

REPLACEMENT PARTS LIST

Item	Description	Part No.
1	Ant. R.F. Transf. Primary....	K-2308
2	Ant. R.F. Trans. Secondary...	
3	Ant. R.F. Transf. coupling cap	
4	R.F. Coil Tuning	Two section gang with trimmers K-2280
5	Trimmer R.F. Tuning.....	
6	Detector Coil Tuning.....	
7	Trimmer Detector Tuning.....	
8	Capacitor: .05 mf. 350 volt...	K-2228-8
9	Resistor; 150 ohms; tapped divider.....	K-2275
10	Resistor; 8000 ohms; tapped divider	
11	Resistor; 10,000 ohms; tapped divider.....	
12	Resistor; 270 ohms; tapped divider.....	
13	Resistor; 45 ohms; tapped divider.....	
14	Volume control; 5,000 ohms (var.).....	K-2278
15	Capacitor; .02 mf; 175 volt...	K-2227-16
16	Resistor; 1-10 meg; ¼ watt...	K-2226-5
17	Capacitor; .1 mf; 175 volt....	K-2227-9
18	Capacitor; .1 mf; 175 volt....	K-2227-9
19	2 R.F. Transf. coupling cap.	K-2242
20	2 R.F. Transf. primary.....	
21	2 R.F. Transf. secondary.....	
22	Resistor; ½ meg; ¼ watt.....	K-2226-3
23	Capacitor; .05 mf; 175 volt...	K-2227-8
24	Capacitor; .1 mf; 175 volt....	K-2227-9
25	Resistor; 1 meg; ¼ watt.....	K-2226-2
26	Capacitor; 500 mmf. mica.....	K-1952-3
27	Resistor; ½ meg; ¼ watt.....	K-2226-3
28	Capacitor; .01 mf; 350 volt...	K-2228-6
29	Resistor; ½ meg; ¼ watt.....	K 2226-3
30	Capacitor; .005 mf; 350 volt..	K-2228-5
31	Output transformer.....	K-2288
32	Voice coil Imp. 5 ohms at 400 cycles.....	K-2285
33	Humbucking coil.....	—
34	Field coil 1400 ohms.....	—
35	Capacitor; (D.E.) 4 mf; 280 volt.....	K-2279
36	Capacitor; (D.E.) 8 mf; 200 volt.....	
37	Capacitor; (D.E.) 10 mf; 25 volt.....	
38	Pilot Lamp 6.3 volt.....	K-1024-4
39	Power Transformer—60 cycles	K-2179-3
39-A	Power Transformer—25 cycles	K-2179-4
40	Capacitor, buffer; .025 mf; 1100 volt.....	K-1750
41	Capacitor, buffer; .025 mf; 1100 volt.....	
42	On-off Switch.....	Part of K-2278

MISCELLANEOUS:—(Not included with item designations)

	Part No.
Red Bull's Eye	K-2379
Loudspeaker, complete	K-2286
Sockets, six contact	K-1194-5
Sockets, four contact (rect)	K-1194-1
Tube shield bases	K-2315
Lamp Socket	K-2311
Knobs for tuning & V.C.	K-2296
Escutcheon for dial	K-2294
Escutcheon for volume control	K-2295
Chassis Mounting Screws	K-1032-4
Chassis Mounting Washers	K-1206-15
Tube Shield	K-2267-2
Escutcheon Pins	P.P. 2453
Tuning Wrench	K-836

REALIGNING INSTRUCTIONS

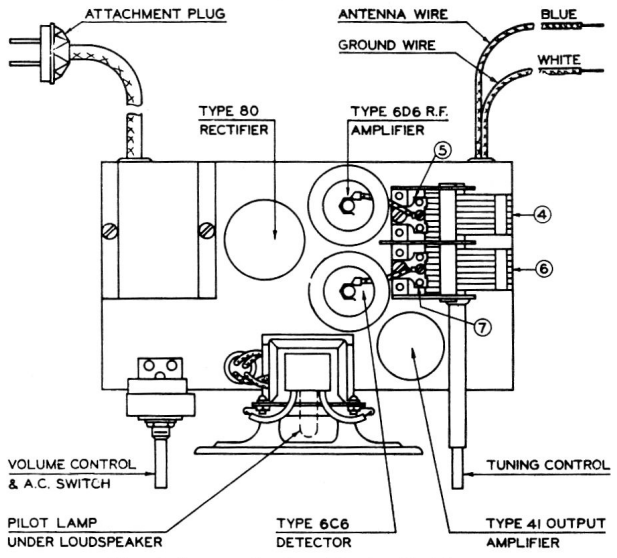
To secure full advantage of the performance characteristics of this receiver, any re-alignment necessary should be carried out with a reliable test oscillator or signal generator and an output meter.

(*a*) With the gang all in, check that the pointer is opposite the dot on the dial plate.

(*b*) Set the signal generator at 1400 kilocycles, and connect the output through an 0.1 mf. to the r-f amplifier grid. With the pointer set at 1400 kc. on the dial, adjust the front trimmer on the gang (item 7) for maximum output.

(*c*) With the same adjustments of set and generator, apply the test signal through a 100 mmf. (.0001 mf.) mica capacitor to the antenna lead. Adjust the rear trimmer on the gang (item 5) for maximum response, while at the same time slowly varying the generator frequency slightly until the point of maximum sensitivity is found.

(*d*) Check dial at exactly 1400 kc., and at 1000 kc.



Chassis Layout showing Aligning Positions