

ADMIRAL

CLOCK RADIO

5S5X CHASSIS

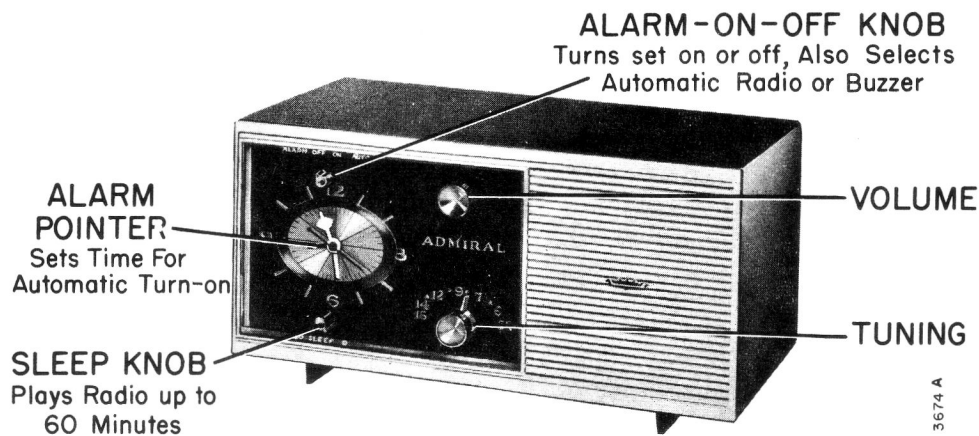


Figure 1. Front View of Set Showing Controls.

SPECIFICATIONS

ANTENNA: Aeroscope®, Loop Type.

CIRCUIT: Superheterodyne using five miniature type tubes; one 12BE6 (Converter), one 12BA6 (IF), one 12BA6 (Detector, AVC-AF Amplifier), one 50C5 (Output) and one 35C3 (Rectifier).

CLOCK: Westclox Timer. For part number, see Clock Parts.

FREQUENCY RANGE: Standard broadcast band; 535 to 1620 KC.

INTERMEDIATE FREQUENCY: 455 KC.

POWER SUPPLY: 105-120 volts, 60 cycle AC only.

POWER CONSUMPTION: 30 watts.

SPEAKER: 4" PM with Alnico V Magnet. Voice coil impedance 3.2 ohms.

DELUXE CLOCK RADIO

MODEL	COLOR	CHASSIS
Y3046X	Yellow and White	5S5X
Y3048X	Green and White	
Y3041X	Gray and White	

TO REMOVE CHASSIS FOR SERVICING TUBES

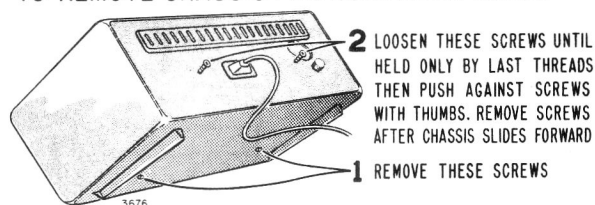


Figure 2. Rear View of Cabinet Showing Chassis Mounting Screws.

CHASSIS REMOVAL

1. Tilt cabinet forward and remove two screws located on the bottom front of cabinet. See figure 2.
2. Loosen the two screws located at the back, until they are held only by their last threads. Apply enough pressure to these loosened screws with the thumbs, to break the AC interlock connection inside the cabinet.
3. Remove screws completely and allow chassis, with attached front panel, to slide forward. Make certain that the Time Set knob at the rear clears the hole provided in the cabinet back.

REMOVING THE CLOCK

1. Remove the cabinet (rear section) as instructed under Chassis Removal.
2. Remove all knobs by pulling them straight off. Remove the crystal insert by pushing inward and then outward on the four tabs used to secure the crystal into the top and bottom of the front panel. Remove radio dial pointer and clock face escutcheon.



3. Unsolder the three clock wires on the etched board taking notes from where each is removed.
4. The clock is removed through the front of the panel after removing the two anchoring nuts.

The etched board may be removed from the front panel for more convenience in servicing by removing the screws anchoring the antenna loop and the three screws securing the etched board to the front panel.

To replace chassis with front panel attached into the rear section, make certain that the etched board fits into the grooves provided in the rear section and that the Time Set knob clears the hole in the rear.

WARNING: Before tightening the mounting screws, make certain that the AC interlock plug on the antenna support makes good contact into the AC socket in the cabinet.

For part number of clock used in this set, see M5 clock, in the Parts List.

PARTS AND SERVICE FOR CLOCK

Consult your Admiral distributor for the address of the nearest parts and service station for clocks used in Admiral radios.

555X PARTS LIST

RESISTORS

Sym.	Description	Part No.
R1	2.2 meg, $\frac{1}{2}$ W, 10%.....	60B8-225
R2	22K ohm, $\frac{1}{2}$ W, 10%.....	60B8-223
R3	2.2 meg, $\frac{1}{2}$ W, 10%.....	60B8-225
R4	100 ohm, $\frac{1}{2}$ W, 10%.....	60B8-101
R5	1.5K ohm, $\frac{1}{2}$ W, 10%.....	60B8-152
R6	1 meg, Volume Control.....	75D25-15
R7	10 meg.....	Part of M3
R8	270K.....	Part of M3
R9	470K.....	Part of M3
R10	150 ohm, $\frac{1}{2}$ W, 10%.....	60B8-151
R11	1200, 1W, 10%.....	60B14-122
R12	33, 1W, 10%.....	60B14-330

CAPACITORS

C1A	Gang Condenser.....	68C78-5
C1B	Gang Condenser.....	68C78-5
C2	220 mmf, 10%, 500V.....	65D10-83
C3	.01, 1KV, GMV.....	65M1-3
C4	.047 mfd, 200V, 20%.....	64L6-41
C5	.01, 1KV, GMV.....	65M1-3
C6	47 mmf, 500V.....	65D10-180
C7	.002 mfd, 500V.....	65D10-125
C8	.005.....	Part of M3
C9	220.....	Part of M3
C10	.005.....	Part of M3
C11A	250 mfd.....	Part of M3
C11B		
C12	.01 mfd, 500V.....	65D10-41
C13A	30 mfd, 150V.....	67C30-2
C13B	50 mfd, 150V.....	67C30-2
C14	.047 mfd, 20%, 400V.....	64L6-28

COILS

L1	Loop Antenna.....	69C242-4
L2	Coil, Oscillator.....	69A217-8

TRANSFORMERS

Sym.	Description	Part No.
T1	Transformer I.F.....	72C170-5
T2	Transformer I.F.....	72C170-4

MISCELLANEOUS

M1	Cord Line and Plug.....	89B62-4
M2	Plug Interlock.....	88W36
M3	Couplate, Audio.....	63C6-20
M4	Speaker, 4 in. P.M.....	78B94-2
M5	Clock Radio Timer.....	91C50-1

MISCELLANEOUS CHASSIS PARTS

Terminal and Connect.....	9C28-51
Chassis P.C. Board.....	14E270-2
Bracket, Ant. Mtg.....	15B1665-1
Bracket, Ant. Support.....	15B2089-2
Shield.....	15B2290-1
Hum Shield.....	15A2346-2
Escutcheon.....	23D407-1
Spacer Mtg. P.C.....	32A250-2
Quick Mask Pre-Cut.....	52B5-3
Min. Tube Socket, 7 Pin.....	87D35-13
Min. Tube Socket, 7 Pin (with Gnd. Strap).....	87D35-14
Tube Shield, 7 Pin.....	87B52-2

CABINET PARTS

Cabinet, Yellow (Y3046X).....	34D129-44
Cabinet, Turquoise (Y3048X).....	34D129-45
Cabinet, Black (Y3041X).....	34D129-47
Cabinet Front, White.....	34D162-1
Pointer, Tuning.....	33A410-1
Knob, Tuning.....	33B409-1
Knob, Volume Control.....	33B409-2
Knob, Clock.....	33A417-1
Clock Crystal.....	24C37-1

VOLTAGE PRECAUTION

DO NOT CONNECT AN EARTH GROUND TO THIS RECEIVER.

The etched circuit common ground is connected directly to one side of the power line. To avoid possibility of damage to test equipment or to the etched circuit board, do not place the chassis directly on a metal service bench, tools or other metal objects.

When taking voltage readings or making resistance measurements, use test leads with needle point prods to avoid possibility of short circuits between sections of the etched wiring.

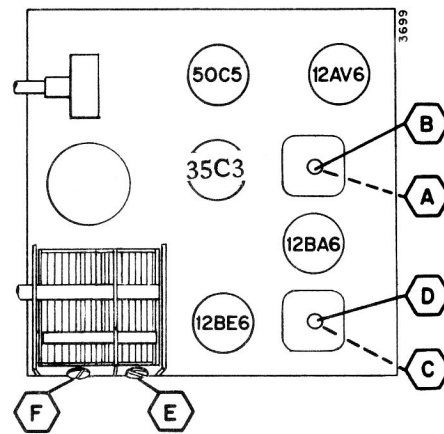


Figure 4. Top View of Chassis Showing Tube and Alignment Point Locations.

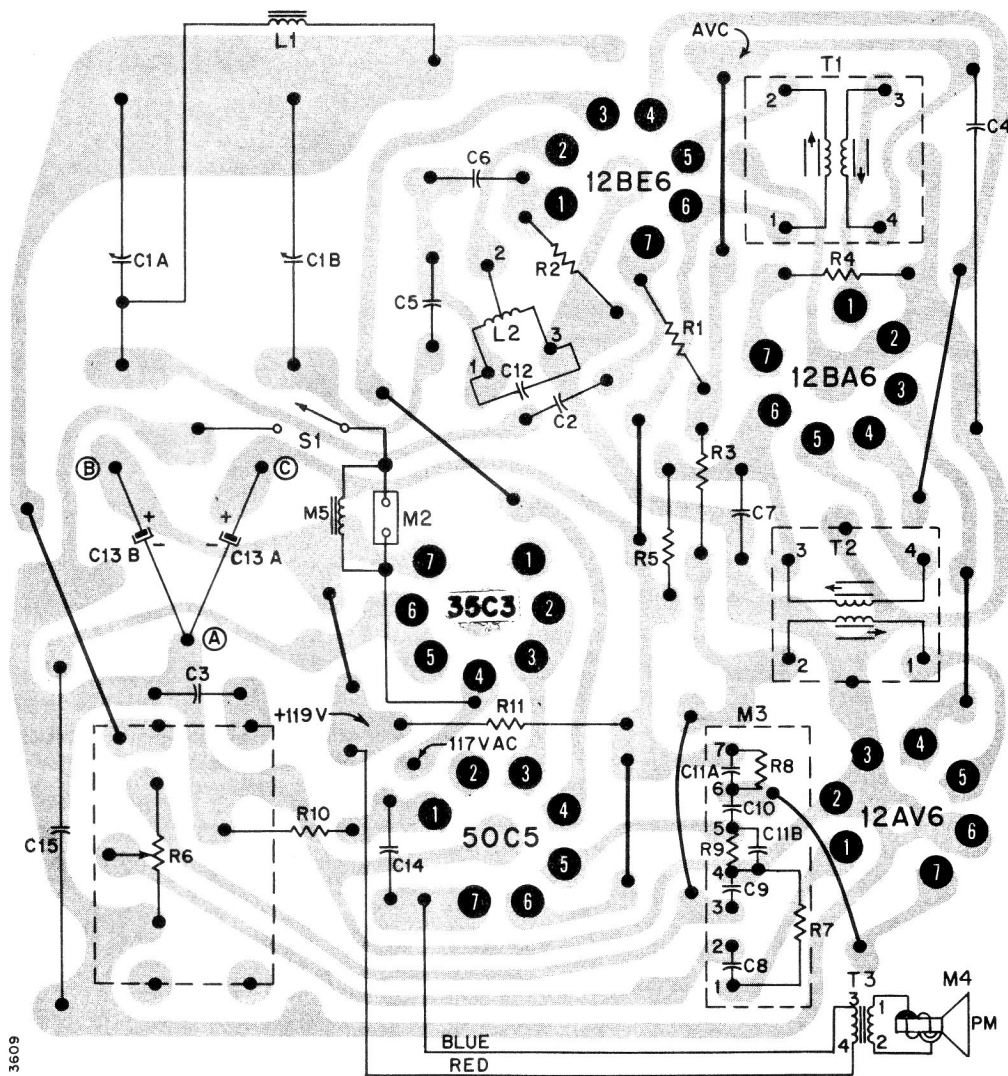


Figure 3. Rear View of Etched Circuit Board. Gray area represents etched wiring; black symbols and lines represent components and connections on opposite side.

