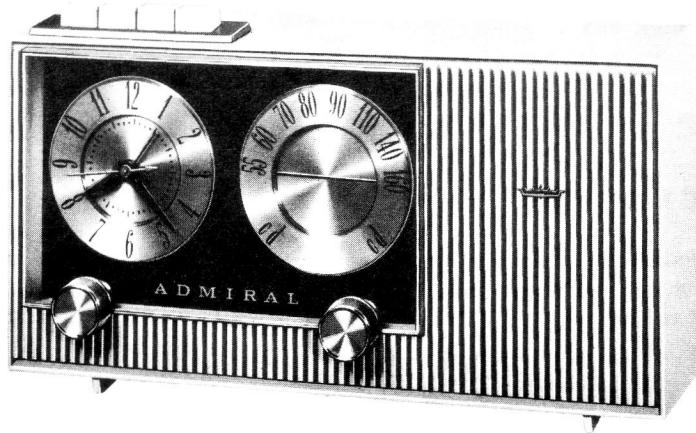


ADMIRAL

5M6X CLOCK RADIO



SPECIFICATIONS

ANTENNA: Built-in loop.

CIRCUIT: Superheterodyne using 5 miniature tubes.

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

INTERMEDIATE FREQUENCY: 455 KC.

POWER SUPPLY: 117 volts, 60 cycles, AC

POWER CONSUMPTION: 30 watts.

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

GENERAL

All components, except the speaker (with output transformer) and the antenna loop are mounted on an etched circuit board. The use of etched circuitry provides an efficient, compact and practically trouble free receiver.

CLOCK RADIO

MODEL	COLOR	CHASSIS
Y3573	White	5M6X
Y3577	Beige	
Y3579	Blue	

CHASSIS REMOVAL

1. Three screws hold the chassis to the cabinet and are accessible only after removing the cabinet back.
2. Carefully pry up top of cabinet at back with finger tips enough to allow removal of cabinet back.
3. Remove screw holding volume control to cabinet front.
4. Remove two screws holding tuning gang assembly.
5. Remove plastic support from back of chassis and slip assembly out.

Service Manual T 1177

COMPONENT REPLACEMENT

Defective resistors and capacitors should be removed by clipping leads as close to the unit as possible then the new part neatly soldered to the old leads. If any resistor or capacitor is found inconvenient to replace on the top side of board, it is permissible to solder component on the bottom of the board.

If a unit such as the oscillator coil or IF Transformer is to be replaced, first remove old part by heating the mounting lugs with a pencil type soldering tool (35 watts or less) and straighten with pick and long nose pliers. Brush away any loose solder with a stiff glue brush. Before inserting new unit make certain all lug holes are free of solder, to prevent damage to wiring or component or both.

SERVICE HINTS

When taking voltage or resistance measurements, use test prods with needle points to avoid short circuits between sections of the circuit wiring.

An open or damaged section of the etched wiring may be repaired by soldering a short jumper wire across the break.

VOLTAGE DATA

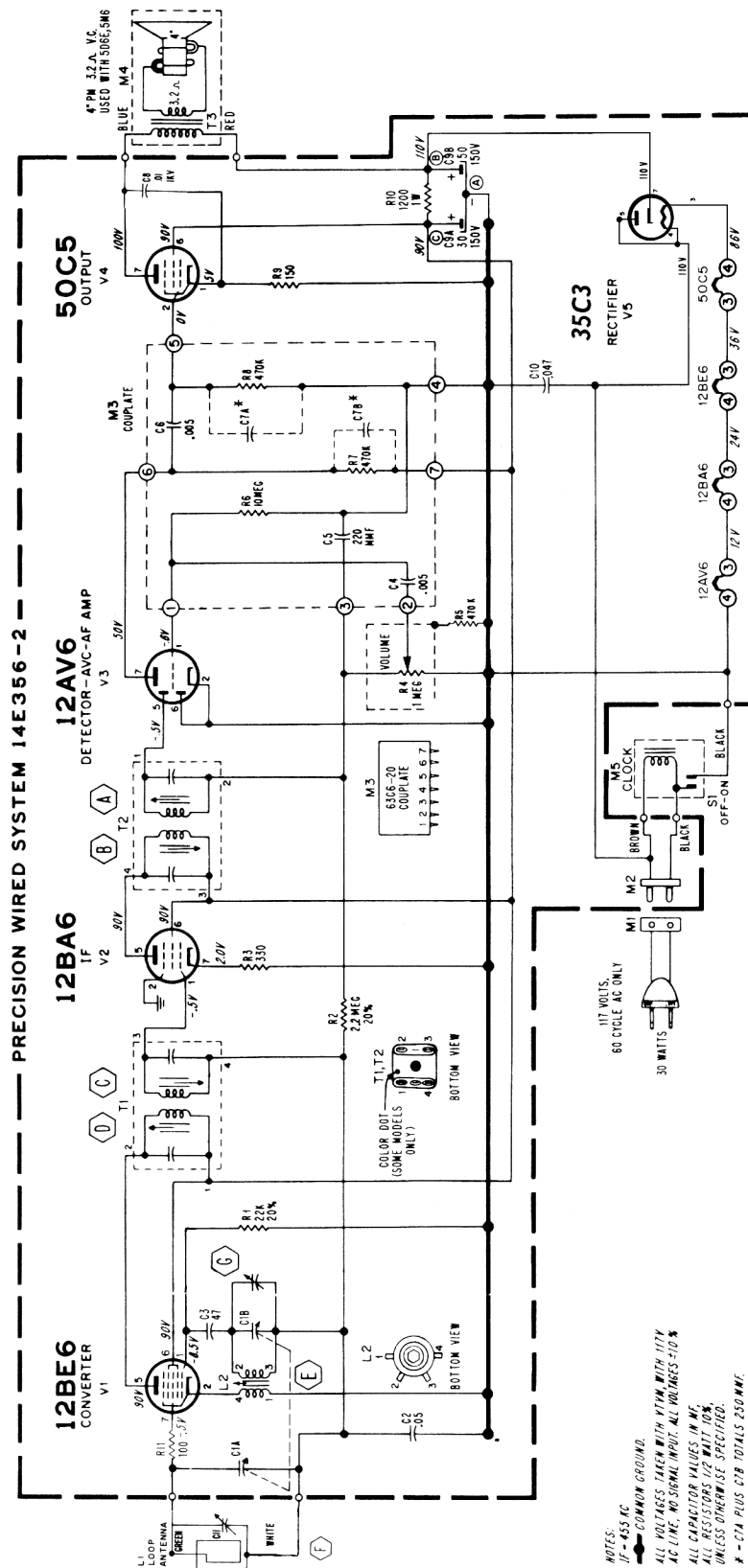
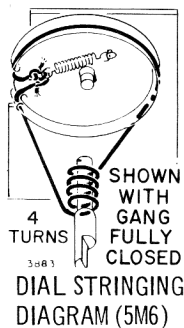
- * All readings made between tube socket terminals and etched circuit ground.
- * Dial turned to low frequency end; volume control at minimum.
- * Line voltage 117 Volts AC.
- * All voltages measured with vacuum-tube voltmeter.

VOLTAGE PRECAUTION

DO NOT CONNECT AN EARTH GROUND WIRE TO THE RECEIVER.

The etched circuit board of this receiver is connected directly to one side of the power line. To prevent damage to test equipment or to etched wiring, do not place chassis directly on a metal bench, or other metal objects.

ALIGNMENT PROCEDURE					
Use an isolation transformer or connect a .1 mf capacitor in series with low side of signal generator. CAUTION: Do not connect an earth ground wire directly to chassis.			Use lowest setting of signal generator capable of producing adequate indication on lowest scale of meter.		
Set volume control full on.			By using alignment tool 98A30-7, you can align both IF transformer slugs from the top of the can.		
Connect output meter across output secondary. Disconnect speaker and use a 3.2 ohm load.			Repeat adjustments to insure best results.		
STEP	CONNECTION OF SIGNAL GENERATOR	SIGNAL GENERATOR FREQUENCY	RECEIVER GANG SETTING	ADJUSTMENT DESCRIPTION	ADJUSTMENT USE INSULATED TOOL
1	Through a .1 mf capacitor to stator, antenna section of tuning capacitor.	455KC	Fully Open	2nd IF 1st IF	(A) (B) (C) (D) For Max
2	Repeat step 1 for maximum output.				
3	Use a radiated signal loop of several turns of wire, or place generator lead close to receiver loop for adequate signal pickup.	1620KC	Fully Open	Osc Trimmer	(G) for Max
4	Same as step 3	535KC	Fully Closed	Osc Slug	(E) for Max
5	Repeat steps 3 & 4 several times until there is no further increase in Output and oscillator tracks properly.				
6	Same as step 3	1400KC	1400KC	Antenna Trimmer	(F) for Max





RESISTORS

CAPACITORSC A B I N E T P A R T S L I S TCOILS, TRANSFORMERS, MISCELLANEOUS

CA 12/63