Admiral

Chassis 5B4 and 5D4

MODEL	COLOR	CHASSIS
242	Maroon	5B4
244	White & Pink	
245	Red & White	
248	Green & White	
275	Red & White	5D4
278	Green & White	
279	Gray & White	

SERVICING

Figure 2, refers to the foil side of the printed circuit board. It shows alignment points, tube locations, and location of the common ground line.

Figures 3 and 4, refer to the 5B4 and 5D4 chassis respectively.

Figures 3 and 4 show the location of all resistors, capacitors, coils and transformers.

To further simplify parts identification and location, schematic symbol numbers are printed adjacent to respective components on the printed circuit board.

5B4

5D4

Admiral

CHASSIS 5B4, 5D4
MODELS 5B4 (242 • 244 • 245 • 248)
5D4 (275 • 278 • 279)

REMOVING THE CHASSIS

1. Disconnect line cord and remove the two screws located near the front on cabinet bottom. See figure 1.
2. Loosen the two chassis retaining screws on the back of cabinet until they are held by only the last threads.
3. While steadying the cabinet, apply pressure to the loosened chassis screws with thumbs. Since the chassis is secured to the panel, this assembly will slide forward.
4. Remove the loosened chassis screws.
5. Remove chassis and panel assembly by grasping the control knobs and pulling free from front of cabinet.
6. To replace, position chassis and panel assembly inside the cabinet and secure the panel and chassis assembly to the cabinet with the proper screws.

TO REMOVE CHASSIS FOR SERVICING TUBES

Figure 1. Rear View of Cabinet Showing Chassis Mounting Screws.

Figure 2. Bottom View of 5D4 Chassis Showing Alignment Points and Tube Locations. 5B4 chassis has same location for tubes and alignment points. Common ground is also the same.

Figure 3. Top View of 5B4 Chassis Showing Location of Components and Alignment Points.

Figure 4. Top View of 5D4 Chassis Showing Location of Components and Alignment Points.

ALIGNMENT PROCEDURE

- Use an isolation transformer if available; otherwise, connect a .1 mfd. capacitor in series with low side of signal generator and connect to common ground (see figure 2).
  Caution: Do not connect a ground wire to common ground.
- Set volume control full on.
- Connect output meter across speaker voice coil.
- Use lowest setting of signal generator capable of producing adequate indication on lowest scale of output meter.
- Use a non-metallic alignment tool with a blade 3/32" wide for aligning IF transformers.
- Repeat adjustments to insure good results.

STEP	CONNECTION OF SIGNAL GENERATOR	SIGNAL GENERATOR FREQUENCY	RECEIVER GANG SETTING	ADJUSTMENT
1	Through a .1 mf capacitor to stator, Antenna section of gang tuning capacitor	455 KC	Gang fully open	"A", *"B", *"C" and "D" for maximum output
2	Same as "STEP 1"	1620 KC	Gang fully open	"E" for maximum output
3	Radiated Signal. Loop of several turns of wire, or place generator lead close to receiver loop for adequate signal pickup.	1400 KC	Tune in on generator signal	"F" for maximum output

*Adjustments "B" and "C" made from underside of chassis; see figure 2.