

# Admiral

Model: 5A33/12

Chassis:

Year: Pre 1955

Power:

Circuit:

IF:

Tubes:

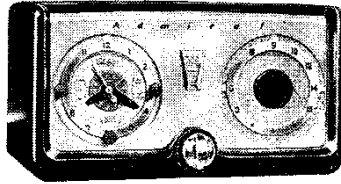
Bands:

## Resources

Riders Volume 23 - ADMIRAL 23-16

Riders Volume 23 - ADMIRAL 23-17

MODELS 5A32/12, /15, /16, 5A33/12, /15, /16, Ch. 5A3



Model 5A32 Mahogany, 5A33 Ivory  
 Operating Voltage: 117 volt AC only.  
 Power: 30 watts.

**ALIGNMENT PROCEDURE**

- Turn receiver volume control full on (fully clockwise).
- Use an isolation transformer if available, otherwise connect a .1 mfd. condenser in series with low side of signal generator and connect to chassis.  
 Caution: Do not connect a ground wire directly to chassis.
- Connect output meter across speaker voice coil.
- Use lowest output setting of signal generator capable of producing adequate output meter indication and proceed in the following sequence.
- Repeat adjustments to insure good results.

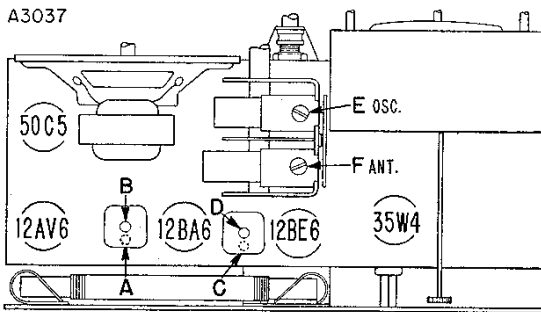
Step	Dummy Antenna in Series with Signal Generator	Connection of Signal Generator (High Side)	Signal Generator Frequency	Receiver Gang Setting	Trimmer Description	Trimmer Designation	Type of Adjustment
1	250 mmfd. condenser	Antenna stator of tuning condenser	455 KC	Gang fully open	2nd IF 1st IF	*A, B *C, D	Maximum output
2	250 mmfd. condenser	Antenna stator of tuning condenser	1620 KC	Gang fully open	Oscillator	E	Maximum output

Mount and set dial pointer to horizontal position with tuning condenser tuned to 1400 KC generator signal; see illustration below.

3	Loop of several turns of wire, or place generator lead close to receiver loop for adequate signal pickup.	No actual connection (signal by radiation)	1400 KC	Tune in generator signal	Antenna	F	Maximum output
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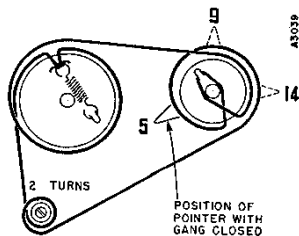
\*Adjustments A and C made from the underside of the chassis. If IF transformers have hollow core slugs, these adjustments may all be made from the top of the chassis, if you use alignment tool #98A30-7 obtainable from your Admiral distributor. The bottom IF slug adjustment may be reached through the hollow core in the upper slug.

**TUBE AND TRIMMER LOCATION**



Adjustments A and C made from underside of chassis.

**DIAL STRINGING AND POINTER SETTING**



Dial stringing and pointer with solid lines shown with gang closed. Dashed line pointer positions (1400 KC and 900 KC) shown when tuning condenser is tuned to generator signal.

**OPERATING RADIO MANUALLY**

To operate the radio manually, the "Auto-Off-On" switch must be in the "On" position or the radio will not operate.

The radio on-off switch will turn the radio on or off, but will have no control over the appliance or the clock.

**TO REMOVE CLOCK FROM CABINET**

- To remove the clock, proceed as follows:
1. Remove the radio chassis from the cabinet.
  2. Remove the three hexagonal nuts and lock washers which mount the clock movement to the metal cover.
  3. Carefully remove the clock movement from the cover. Do not unsolder leads unless complete removal of the clock is required. The metal cover mounting the clock to the chassis may be removed if more space is required for servicing the clock.

**TO REMOVE FIELD AND COIL ASSEMBLY OR TO REMOVE ROTOR**

The field and coil assembly and the rotor can be easily removed after the two screws which mount the nameplate are removed.

Note that when the rotor is replaced, the gear on the rotor must drop into the hole in the center of the gear plate and mesh with the clock gear.

