

# Admiral

CHASSIS 5X2  
MODELS 5X21, 5X22, 5X23

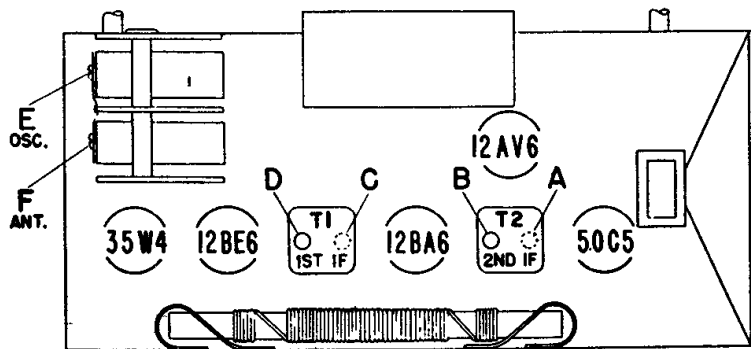
## ALIGNMENT PROCEDURE

- 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.
- Use a NON-METALLIC alignment tool for IF transformers. See asterisk \* note below.
- 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 (on gang)	E	Maximum output
3	Loop of several turns of wire, or place generator lead close to receiver antenna for adequate signal pickup.	No actual connection (signal by radiation)	1400 KC	Tune in generator signal	Antenna (on gang)	F	Maximum output

\*Adjustments A and C made from the underside of the chassis. To avoid splitting the slotted head of the powdered iron core tuning slugs in IF transformers, use an alignment tool having a blade  $\frac{1}{8}$ " wide.

### TUBE AND TRIMMER LOCATION

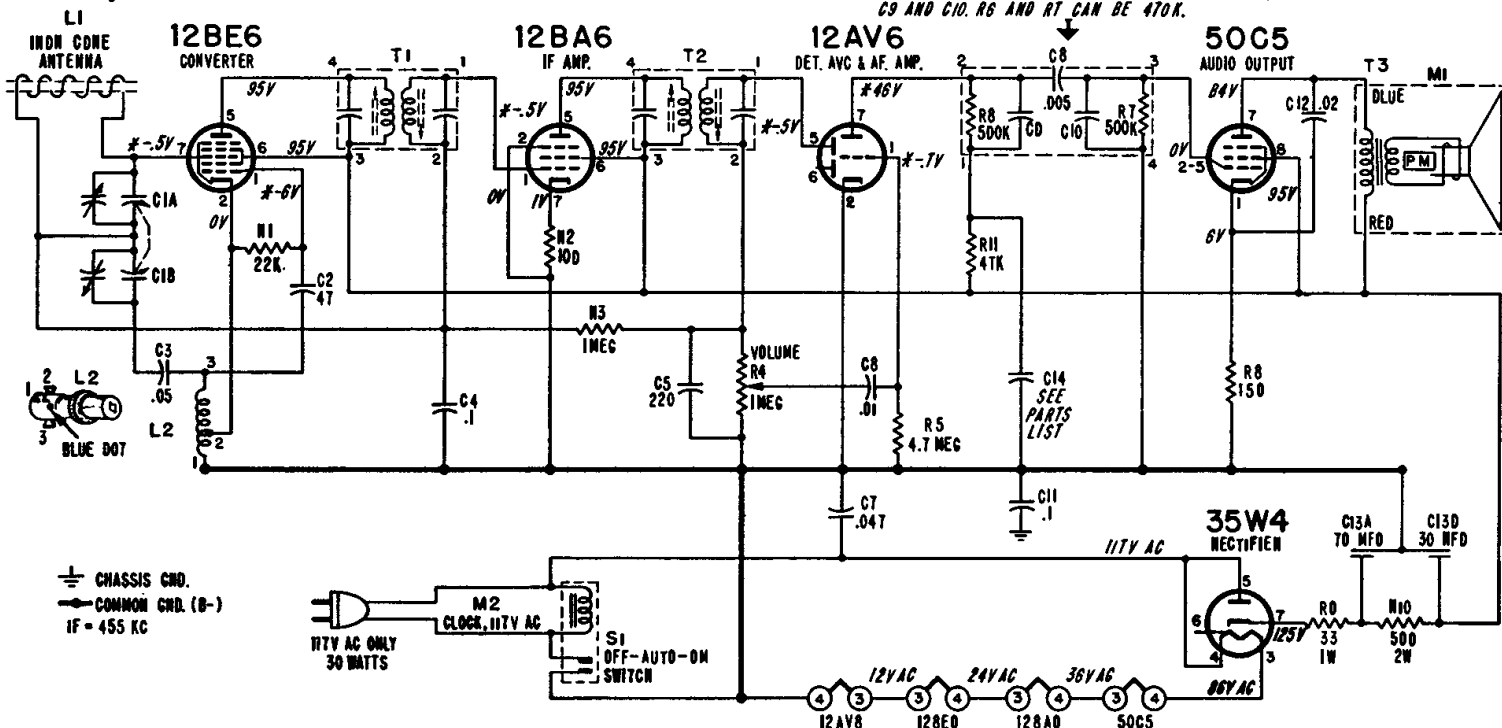


### VOLTAGE DATA

Voltages shown on schematic diagram.

- All readings made between tube socket terminals and B minus (negative of electrolytic condenser C13).
- Measured on 117 Volt AC line.
- Volume control minimum; dial turned to low frequency end.
- Voltages measured with Vacuum Tube Voltmeter.

C9 AND C10 TOTAL 250 MMFD. WHEN REPLACING WITH INDIVIDUAL COMPONENTS, USE ANY COMBINATION TOTALING 250 MMFD OR USE 250 MMFD ACROSS R6 IN PLACE OF C9 AND C10. R6 AND RT CAN BE 470K.



\*These voltage readings will be either lower or practically zero if taken with a 1000 ohm-per-volt meter.