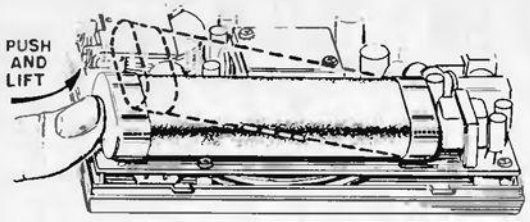
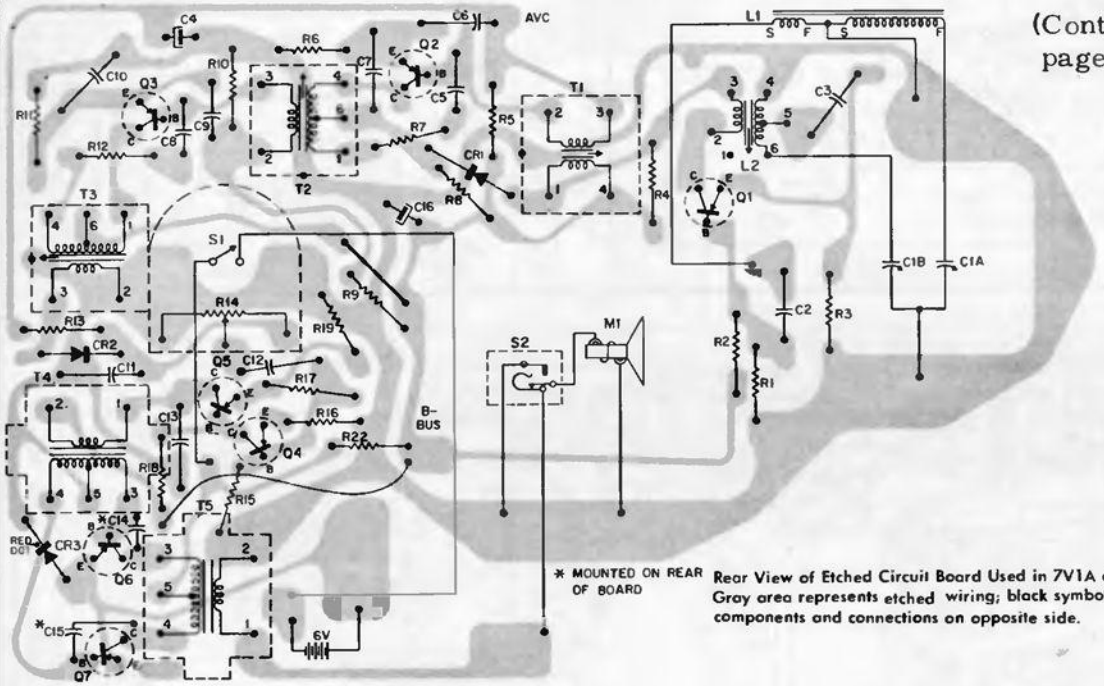
Admiral



View Showing Method of Removing Battery Holder From Chassis Board.

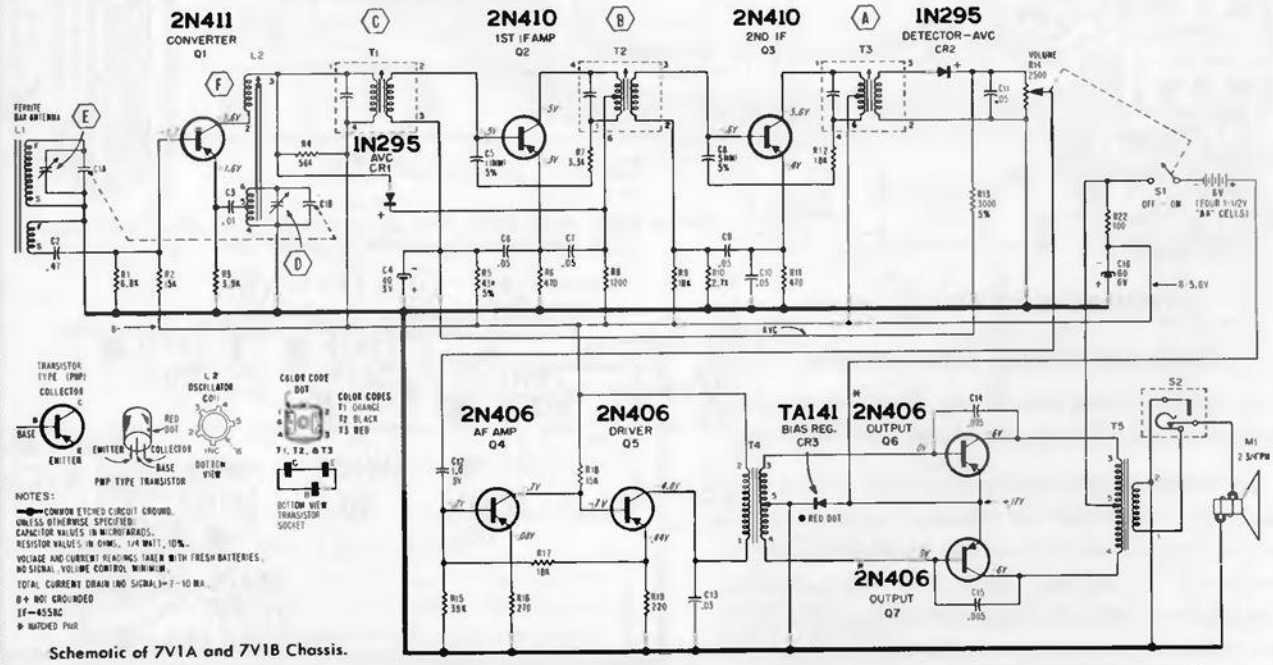
MODEL	COLOR	NAME	CHASSIS
Y2009	Black	The Comet	7V1
Y2011	Gray		7V1A
Y2012	Coral		
Y2013	White		
Y2023	White	The Starliner	7V1B
Y2027	Beige		
Y2028	Green		

(Continued on page 11)



* MOUNTED ON REAR OF BOARD

Rear View of Etched Circuit Board Used in 7V1A and 7V1B Chassis. Gray area represents etched wiring; black symbols and lines represent components and connections on opposite side.



NOTES:
- COMMON ETCHED CIRCUIT GROUND.
- UNLESS OTHERWISE SPECIFIED: CAPACITOR VALUES IN MICROFARADS. RESISTOR VALUES IN OHMS, 1/4 WATT, 10%.
- VOLTAGE AND CURRENT READINGS TAKEN WITH FRESH BATTERIES. NO SIGNAL, VOLUME CONTROL MINIMUM.
- TOTAL CURRENT DRAIN (NO SIGNAL) = 7-10 MA.
- B+ NOT GROUNDED
- IF—455KC
- ⊕ MATCHED PAIR

Schematic of 7V1A and 7V1B Chassis.

ALIGNMENT PROCEDURE

a. Fresh batteries should be used.

b. Set Volume control at maximum.

c. Connect output meter across output transformer secondary. For best results, have speaker disconnected, use 12 ohm load.

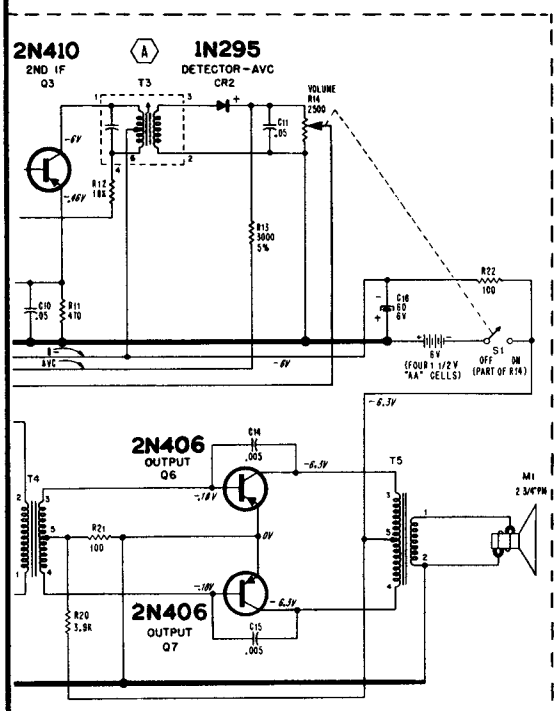
d. Use lowest output of signal generator that will produce adequate indication on lowest scale of output meter. IMPORTANT: Output level should be held at 25 mw. or less. The voltage reading at the 25 mw. level is approximately 1.8 volts across the 12 ohm load.

Step	Connection of Signal Generator	Signal Gen. Frequency	Receiver Gang Setting	Adjustment Description	Adjustment
1	Radiated Signal. †Loop of several turns of wire, or place generator lead close to receiver for adequate signal.	455 KC	Gang fully open	3rd IF 2nd IF 1st IF	* Ⓐ Ⓑ and Ⓒ for maximum output.
2	Same as "Step 1".	1620 KC	Gang fully open	Oscillator Trimmer	Ⓓ for maximum output.
3	Repeat "Step 1" several times until there is no further increase in the output.				
4	Same as "Step 1".	§ 1400 KC	Tune in generator signal	Antenna Trimmer	Ⓔ for maximum output.
	NOTE: After completing "Step 4" the tuning range should be 535 KC to 1620 KC; ±5 KC. If this range cannot be obtained, continue with Steps 5, 6 and 7.				
5	Same as "Step 1".	535 KC	Gang fully closed	Oscillator Coil Core	Ⓕ for maximum output.
6	Repeat "Step 2"; then repeat Steps 5 and 2 several times until oscillator covers required range.				
7	Repeat "Step 4".				

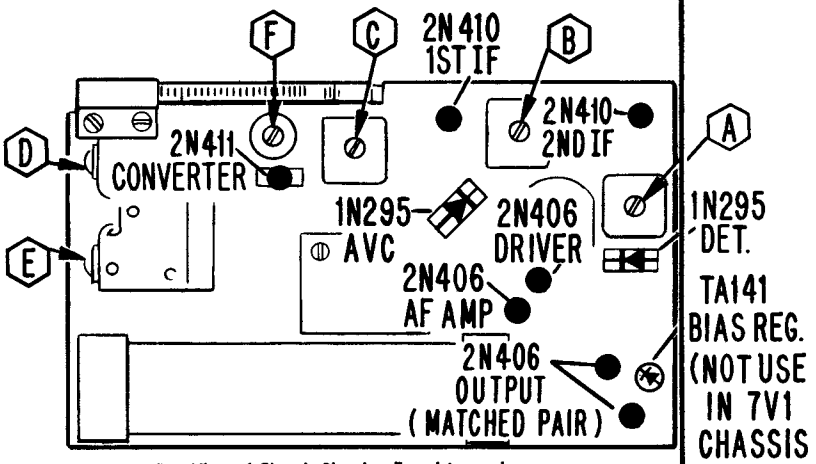
† If signal generator does not produce sufficient output for usable reading, clip hot lead of generator to RF stator plates terminal of gang; clip ground lead to frame of gang. Adjust Ⓐ Ⓑ and Ⓒ for usable output only. Then return to "Step 1".

* If difficulty is experienced in obtaining signal output, first rotate IF slugs out several turns, then slowly adjust slugs in until output is obtained. Caution: Rotating slugs too far inward will damage ceramic capacitor contained in IF can.

§ Antenna trimmer Ⓔ should first be adjusted for maximum output with generator tuned to 1400 KC. Then try to increase output by rocking gang or generator slightly while readjusting trimmer.



Circuit differences of 7V1 Chassis



Top View of Chassis Showing Transistor and Alignment Point Locations.

REMOVING CHASSIS FROM CABINET

To remove cabinet back, simply insert a small coin into one of the slots on the bottom edge and twist.

To remove chassis from cabinet, first remove the knobs by pulling them off. Remove the back cover as instructed above. Remove the four screws at the corners of the etched board. Lift entire chassis (etched board with all components) out of the cabinet front.