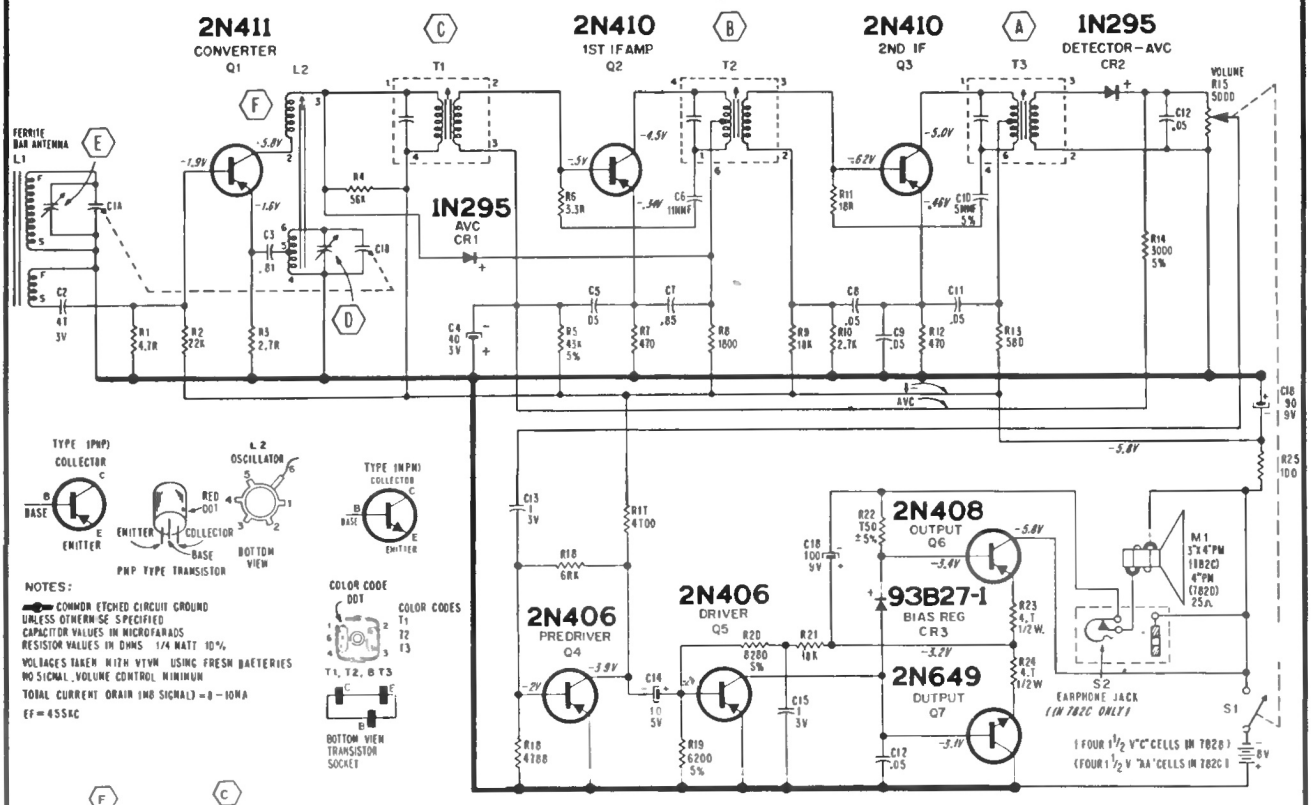
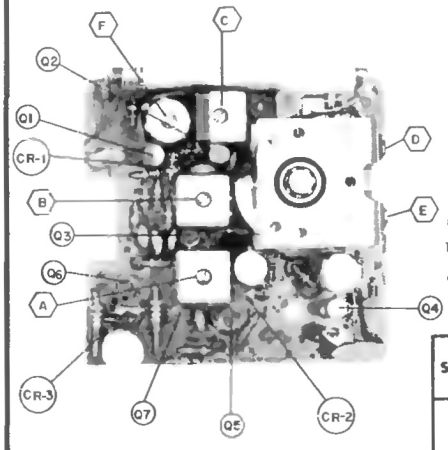
ADMIRAL

Chassis 7B2C, Models Y2081A, Y2082A, Y2083A
Chassis 7B2D, Models Y2252, Y2253, Y2256



NOTES:

- COMMON ETCHED CIRCUIT GROUND UNLESS OTHERWISE SPECIFIED
- CAPACITOR VALUES IN MICROFARADS
- RESISTOR VALUES IN OHMS 1/4 WATT 10%
- VOLTAGES TAKEN WITH VTVM USING FRESH BATTERIES NO SIGNAL, VOLUME CONTROL MINIMUM
- TOTAL CURRENT DRAIN (NO SIGNAL) = 8 – 10MA
- EF = 455KC



ALIGNMENT PROCEDURE

Alignment of a transistor radio is similar to alignment of an ordinary vacuum-tube radio. However, there is somewhat more interaction between the RF and IF circuits, thus requiring greater care in the setting of the adjustments as well as repetition of some of the steps. Therefore, for best results, follow the alignment procedure exactly as given below.

a. Fresh batteries should be used.

b. Set Volume control at maximum.

c. Connect output meter across speaker voice coil. For best results, connect 25 ohm resistive load through earphone jack, if used.

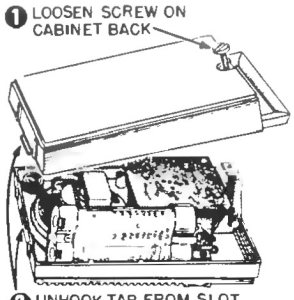
d. Use lowest output of signal generator that will produce adequate indication on lowest scale of output meter. IMPORTANT Output level should be held at 25 mw. or less. The voltage reading at the 25 mw. level is approximately 0.8 volts across the 25 ohm load.

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 1620 KC to 535 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.



Opening the Cabinet for Battery Replacement, in Models Using the 7B2D Chassis