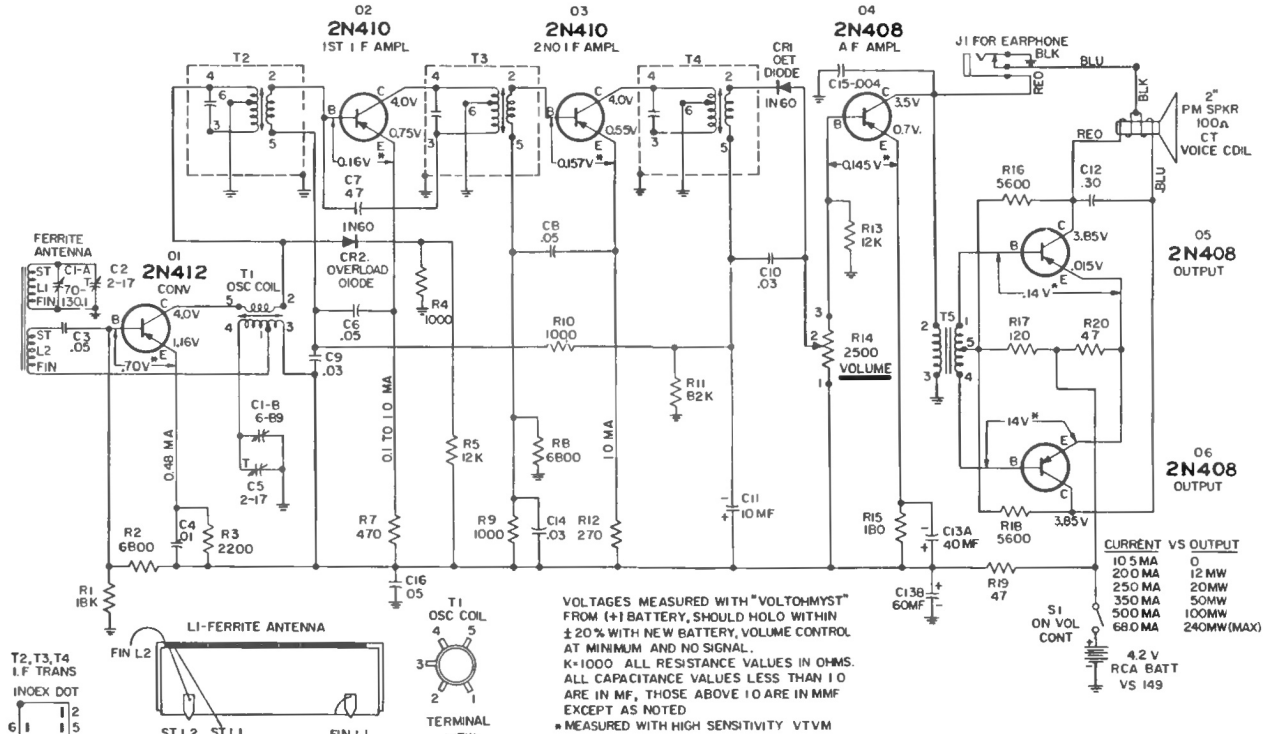


RCA VICTOR

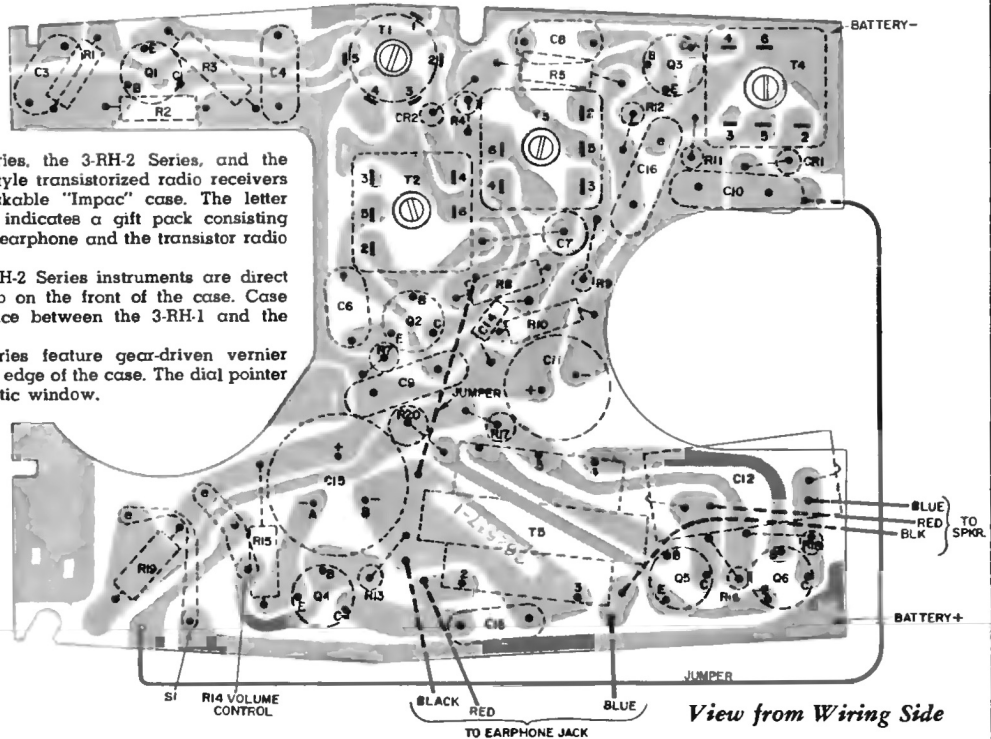
3RH1 Series, Model 3RH10; 3RH2 Series, Models 3RH21, 3RH22, Chassis RC-1199D; and 3RH3 Series, Models 3RH31, 3RH32, 3RH34, Chassis RC-1204E, -F, -J.



Instruments of the 3-RH-1 Series, the 3-RH-2 Series, and the 3-RH-3 Series are small pocket style transistorized radio receivers housed in a two-piece non-breakable "Impac" case. The letter "G" following a model number indicates a gift pack consisting of a carrying case, a battery, an earphone and the transistor radio contained in a gift box.

The 3-RH-1 Series and the 3-RH-2 Series instruments are direct tuned by means of a large knob on the front of the case. Case appearance is the only difference between the 3-RH-1 and the 3-RH-2 Series.

Instruments of the 3-RH-3 Series feature gear-driven vernier tuning with the tuning knob at the edge of the case. The dial pointer is covered by a transparent plastic window.



RCA VICTOR

3RH1 Series, Model 3RH10, 3RH2 Series, Models 3RH21, 3RH22, Chassis RC-1199D, 3RH3 Series, Models 3RH31, 3RH32, 3RH34, Chassis RC-1204E, -F, -J,

CHASSIS REMOVAL

1. Unsolder the battery spring contacts from the circuit board. DO NOT ATTEMPT TO REMOVE CONTACTS FROM CASE. The battery contacts are heat sealed to the plastic case front.
2. Pull the dial knob off of tuning condenser shaft (3-RH-1, -2 only).
3. Remove the knurled nut holding the earphone jack to the case.
4. Remove the two screws holding the circuit board to the case.
5. Lift up on battery end of chassis. (This will pull tuning capacitor out of dial pointer in 3-RH-3.) Chassis may then be slid out of case.
6. If necessary to separate chassis and speaker, unsolder speaker leads from wiring side of board. AVOID UNSOLDERING LEADS AT SPEAKER TERMINALS SINCE EXCESSIVE HEAT WILL DAMAGE VOICE COIL LEADS.

When reassembling 3-RH-1, -2 Series reverse the above procedure. When reassembling 3-RH-3 Series, the dial window must first be removed. The above procedure is then followed. Finally the dial pointer is placed on the tuning gang shaft and the dial window reinstalled.

CRITICAL LEAD DRESS

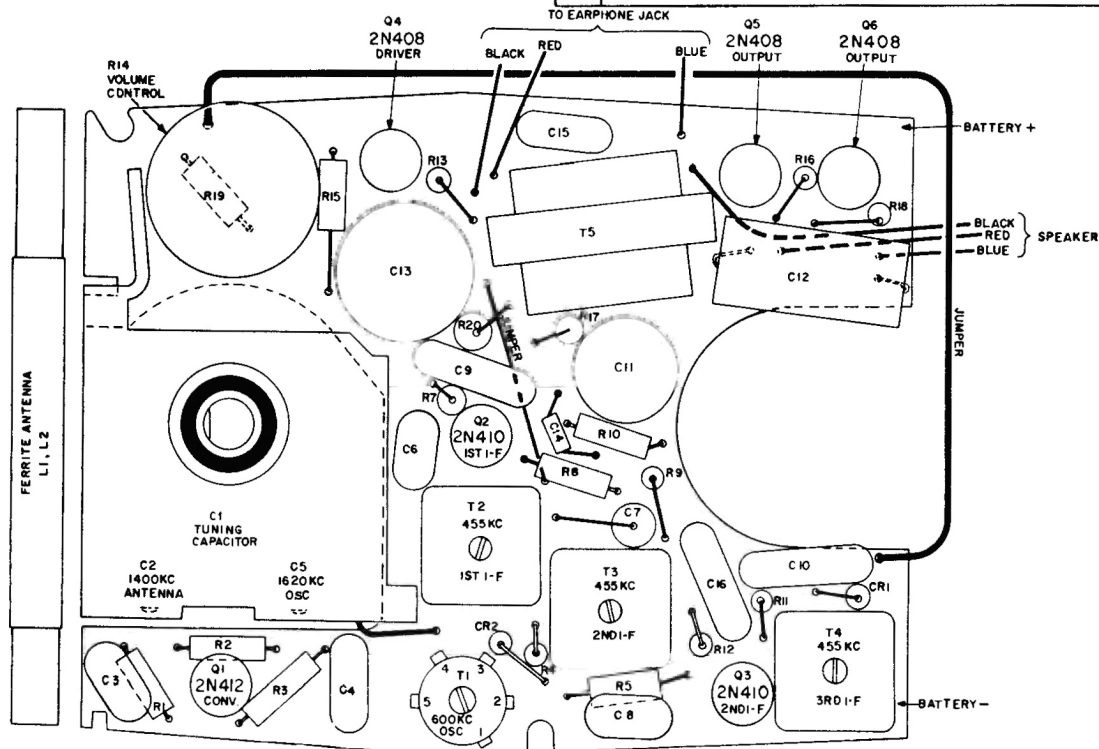
1. Dress lead from diode to volume control between speaker magnet and top of battery.
2. Keep leads to earphone jack as short as possible.
3. Dress leads from output transistors to speaker towards the edge of the board (away from speaker pot) so as to provide sufficient room for 0.3 mf capacitor.

ALIGNMENT PROCEDURE

For all alignment operations, connect the low side of the signal generator to the "common negative" wiring and keep the generator output as low as possible to avoid AVC action.

Connect output meter across voice coil. Clip onto extreme ends of speaker terminals only, to avoid damage to voice coil leads.

Step	Connect High Side of Signal Generator to—	Signal Gen. Output	Dial Pointer Setting	Adjust for Max. Output
1	Antenna gang stator CIA thru .01 mf capacitor	455 kc	Gang fully open	T4 (3rd I-F)
2				T3 (2nd I-F)
3				T2 (1st I-F)
4	Repeat Steps 1, 2, and 3			
5	Short wire placed near antenna for radiated signal	1620 kc	Gang fully open	Oscillator trimmer C5
6		1400 kc	1400 kc (rock gang if necessary)	Antenna trimmer C2
7		600 kc	600 kc (rock gang)	T1 osc. coil
8	Repeat Steps 5, 6, and 7.			



Chassis Layout—View from Component Side

USE PROPER ALIGNMENT TOOL FOR MAKING ADJUSTMENTS. CORES ARE EASILY BROKEN BY IMPROPER HANDLING. MAKING NECESSARY REPLACEMENT OF ENTIRE COIL OR TRANSFORMER.