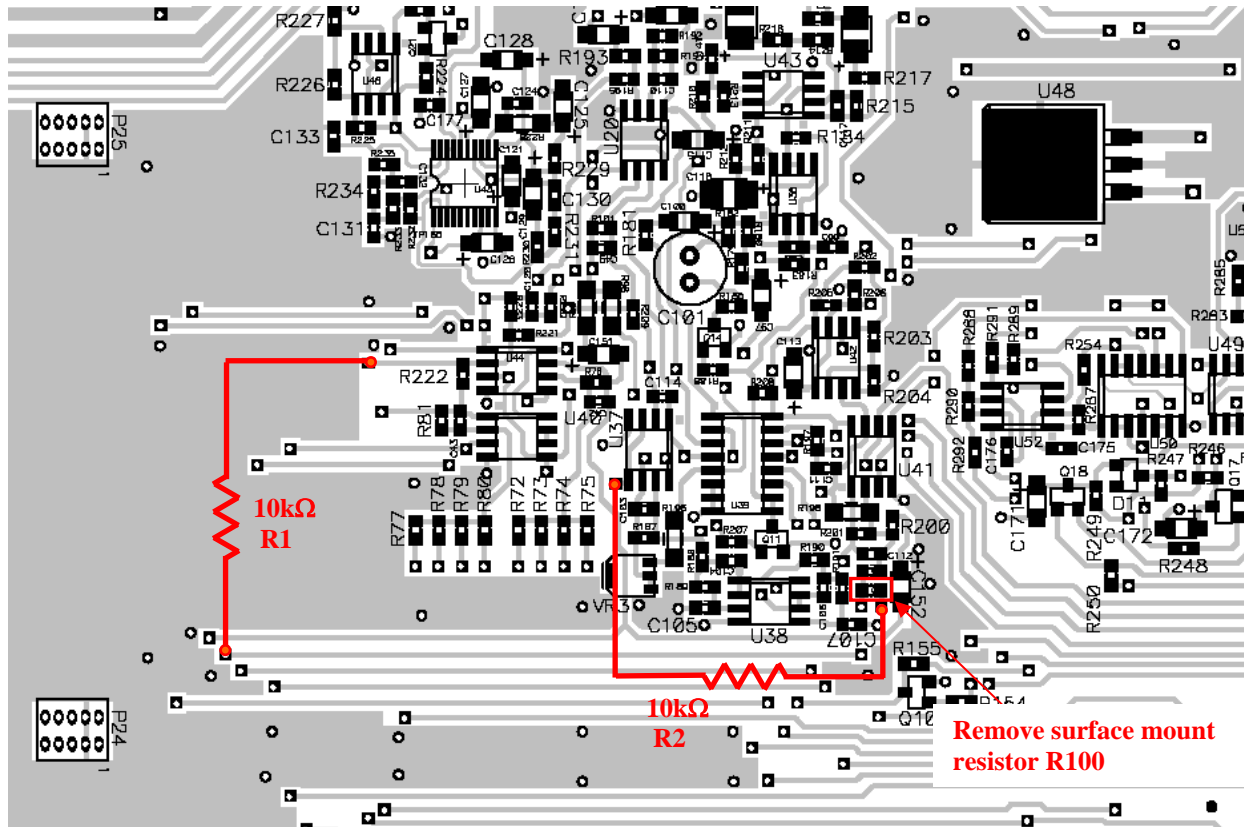## BTR-800 Audio Board Auxiliary Input Internal Modification (I/C B)
(Raw Board No. 750608 Rev A)

PURPOSE: This modification "disconnects" auxiliary input audio from being placed onto any wired intercom system connected to the unit on the **intercom B** side. The auxiliary input audio will be heard locally, within the base station and its' beltpacks, but not sent to the wired interface. This modification does not affect auxiliary audio out, thus auxiliary out will contain I/C B audio, which is composed of all locally generated audio (base and beltpacks) and all wired intercom audio.

REMOVING AND REPLACING THE RECEIVER BOARD: To gain access to the audio board, the receive board must be removed. Remove the seven screws securing the receive board and pull the board straight up. When replacing the receive board care must be followed regarding the connectors. Most of the connectors are self-guiding, however two connectors near the outside edges of the board are not. Make sure the receive board four-pin connector, J311, and the two-pin connector, J310, are in the correct mating receptacles P20 (for J311) and P21 (for J310) on the audio board. Firmly press the board back into place and replace the screws.

CONNECTION DETAILS:
1. Remove surface mount resistor R100 (10kΩ) located to the left of C152.
2. Solder R1 from the auxiliary trace to pin 2 of U44 (located just above U40) via the trace extending from U44.
3. Solder R2 from the right side pad of the removed resistor R100 to pin 5 of U37.

NOTE: Resistors R1 and R2 are 10kΩ and 1/8 Watt. Ensure the resistor leads cannot short to ground or another trace. Small diameter heat shrink may be used over the leads to insulate them.