

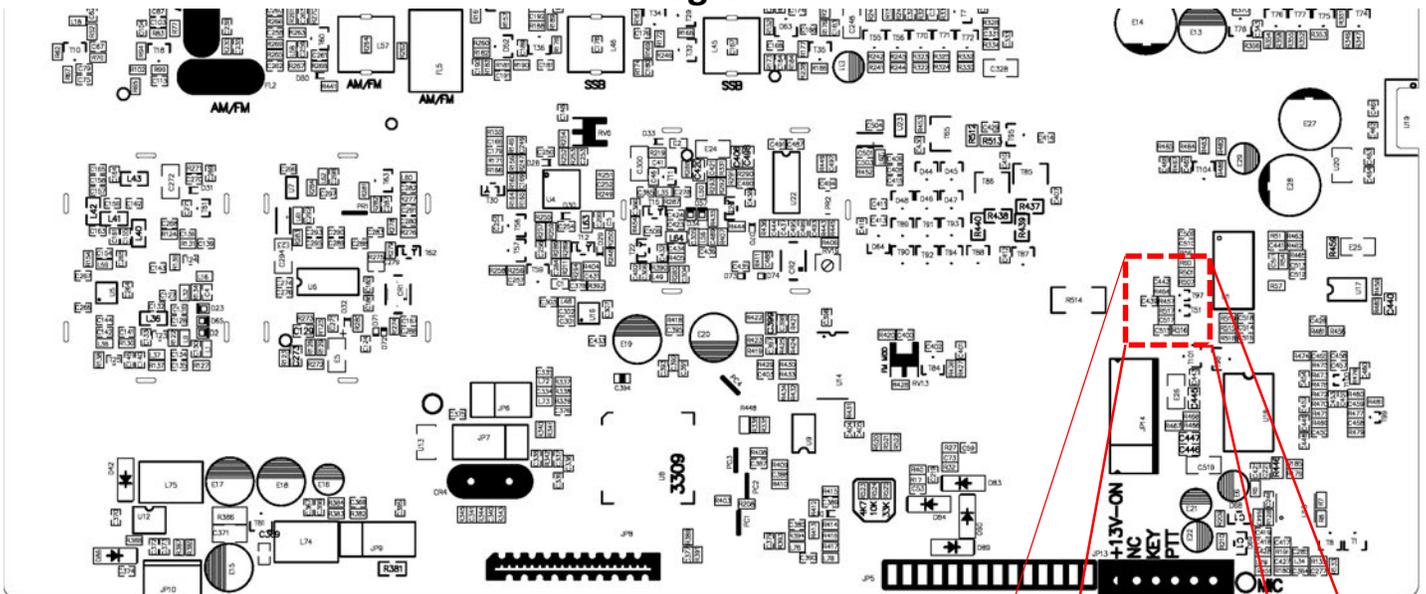
Magnum 1 Talk Back Modification

Only Applies to Radios with Serial Numbers Starting in 201552

Magnum 1 radios with serial numbers starting in 201552 have the talk back volume in circuit with the radio volume control. Therefore, the radio volume control will increase and decrease the talk back volume regardless of the talk back volume setting. For some operators this is not ideal. This modification separates the talk back volume from the radio volume control, so that the two functions are independent of each other.

1. Disconnect radio from power and remove bottom (speaker) cabinet.
2. Near the front panel of the radio, locate and remove the capacitor at C515. See Diagram 1 below for general location of capacitor on main circuit board, and Photo 1 for detailed image of capacitor location.
3. Locate the solder pad from C515 that is connected to R516 (the 1K ohm (102) resistor adjacent to C515).
4. Next, locate the side of C439 that is furthest away from R457.
5. Across these 2 locations, solder a 0.1uF (104) ceramic disc capacitor. See Photo 1 and Photo 2 below for details. Note the orientation of the radio in photos.

Diagram 1



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Front of Radio

