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BULLETIN NO: Cell:1

PRODUCT: 17-1002 Cellular Mobile Phone

SUBASSEMBLY: Battery Pack

SUBASSEMBLY REVISION: All

PURPOSE: To describe how to adjust charging voltage in the battery pack.

DISCUSSION: If the charging voltage in the battery pack is set too low, the batteries will take much longer to fully charge than indicated in the owners manual. This will cause the phone to operate for much shorter periods of time before requiring recharge, and also gives the appearance that the batteries are defective when they are not.

PROCEDURE: To adjust the charger, disconnect the battery pack from the radio and remove the three screws which hold the cover in place. They are clearly labeled. Beneath the cover between the two rows of batteries is a circuit board with a multi turn pot in the middle of it. Unplug the wires that connect to the batteries and connect a voltmeter to one pair of them. Red is positive, black is negative. Connect the AC charger adapter (17-202) and adjust the pot until the reading on the meter is exactly 7.35 volts. If you are unsure of the connections to the battery when reassembling the unit, refer to the drawings included with this bulletin.

Note: You must make the adjustment with the batteries disconnected from the circuit board.

Refer to the drawing below for detail. Remove all four wires A,B,C & D from the batteries. Connect the voltmeter across A & B or C & D. Observe that the A & C leads are negative and the B & D leads are positive. The adjustment pot is in the center of the circuit board as shown. After the adjustment is made, carefully reconnect the wires to the same points where they were connected before.

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