

Government and Public Safety 1301 E. Algonquin Road Schaumburg, IL. 60196 FSB NUMBER: FSB10166 APC: 453 DATE: Feb-08 EXPIRES: NA BULLETIN TYPE: Informational Only

FIELD SERVICE BULLETIN

SUBJECT: IMPRES[™] fuel gauge not shown after multiple calibration cycles in an IMPRES[™] charger

MODELS AFFECTED: All Motorola IMPRES[™] batteries

<u>SYMPTOM</u>: Radio display does not show the IMPRES[™] fuel gauge after multiple calibration cycles in an IMPRES[™] charger

<u>CAUSE</u>: After shipment from Motorola, batteries placed into long term storage that self-discharge below 2.4V, may cause the IMPRES[™] fuel gauge functionality in the radio to become permanently disabled.

RECOMMENDATIONS:

- 1. Do not store batteries in containers with flammable materials.
- 2. Store batteries in well ventilated, temperature and humidity controlled locations. Optimum temperature is between 68°F (20°C) and 86°F (30°C). Optimum relative humidity is between 30% and 60%.
- 3. Battery must be discharged below 50% state of charge prior to storage.
 - a. New batteries are typically 30% to 50 % charged, when shipped from Motorola factories. Thus, there is no need to charge or discharge the batteries prior to storage.
 - b. Used batteries removed from service for extended periods (>30 days) should be discharged to about 50% of their capacity before storage.
- 4. Recommended charging intervals for batteries placed in storage:
 - a. Nickel Chemistries (NiCd, NiMH) every 6 months
 - b. Lithium Ion Chemistry every 12 months

Partial Recharging Process:

IMPRES™ Chargers

- 1. Insert, remove and reinsert battery within 5 seconds in IMPRES[™] chargers. This will bypass the reconditioning cycle and enable the rapid charge mode (Steady Red LED).
- 2. Allow battery to charge for 30 minutes then remove and return to storage.

Motorola Non-IMPRES[™] Chargers

- 3. Insert battery in charger pocket to enable rapid charge mode (Steady Red LED).
- 4. Allow battery to charge for 30 minutes then remove and return to storage.

SEVERITY RECOMMENDATION:

NA

PARTS REQUIRED (HARDWARE/SOFTWARE):

NA

LABOR ALLOWANCE:

This is an informational bulletin. No labor warranty is implied, intended or authorized.

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Version: R01.00.00

February 27, 2008

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