



Government and Public Safety  
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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

**SYMPTOM:** Radio display does not show the IMPRES™ fuel gauge after multiple calibration cycles in an IMPRES™ charger

**CAUSE:** 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.

Attachments:

Yes  No