



## Service Information Letter



**SIL# 2-121630-0209**  
**February 26, 2009**

**SUBJECT:** RF80-K Operation without Battery Connected

**MODELS:** 121630-001 RF80-K  
121630-006 RF80-K (CE)

**SUMMARY:** The RF80-K Operator's manual includes the following important Caution regarding proper procedures for connecting and disconnecting batteries.

**CAUTION**

**ALWAYS TURN THE AC POWER SWITCH OFF BEFORE  
CONNECTING OR DISCONNECTING A BATTERY.**

**BACKGROUND:** The RF80-K incorporates a large output filter capacitor which is isolated from the battery using a heavy-duty contactor until AC power is turned ON. If the unit is powered-up before the battery is connected, and then a battery is connected, the output capacitor will be immediately charged by the battery resulting in a high current spike which can damage the battery and RF80-K output connectors.

Operation with no battery connected can damage the RF80-K over time, potentially resulting in venting of the output capacitor rendering the RF80-K unserviceable. It is possible under some conditions for the output capacitor to rupture violently, causing catastrophic damage to the RF80-K and venting of the capacitor electrolyte.

**RECOMMENDED PROCEDURES:** The RF80-K AC power switch should NEVER be ON unless a battery is connected to the output. After battery charging and discharging is complete, turn AC power OFF. NEVER disconnect the battery and let the RF80-K run idle with AC power ON. Batteries should be connected and disconnected ONLY when the AC power switch is OFF.

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**WARRANTY:** The RF80-K has a standard 3 year warranty for parts and labor. The warranty does not cover annual calibration. Failure to follow the proper power-on and battery connection procedures as stated in the RF80-K Operator's Manual and this Service Information Letter will void the RF80-K warranty.

**MARATHONNORCO AEROSPACE (Christie Division) CONTACT INFORMATION:**

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