

Subject: RF80-K Operation without Battery Connected

Ref: TD-650, TD-661 RF80-K Operator's Manual

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.

The RF80-K AC power switch should NEVER be ON unless a battery is connected to the output.

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.

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.

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.

Failure to follow 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.

If you have any questions about this information or proper RF80-K operating procedures, please contact us.

Thank you for using the RF80-K and your attention to this Service Information Letter!

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