

Technical Note**Freedom and EMS
Inv/Chg**

512-0097-01-01 Rev 1

**Reset Procedure for Freedom and
EMS Series Inverter/Chargers****Introduction**

Some forms of electrical interference have been known to confuse the logic and memory inside the Freedom and EMS series inverter/chargers. This interference can be caused by:

- Nearby lightning strikes
- Major voltage surges from shorepower or generator power
- Engine starter motor-related voltage dips and spikes
- High-voltage propane appliance igniters

If the inverter/charger is not working properly and has not emitted any smoke or strange smells, then it may just need to have its logic and memory reset.

Reset Procedure

The following reset procedure may just bring it back to life again.

To reset the inverter/charger:

1. Turn OFF the power switch on the remote control panel (if there is one).
2. If a Link 1000, 2000, or 2000R remote control panel is being used, disconnect the phone cord at the back of the remote.
3. Turn OFF the power switch on the inverter itself (and leave it off if you have a remote panel).
4. Remove AC input power to the unit (unplug from shorepower).
5. Disconnect the inverter's negative cable from the batteries or DC ground, and leave it disconnected for about 5 minutes.
6. Reconnect the negative cable—a small spark is normal (this is just a filter capacitor charging up inside the unit). Make sure this connection is made when the area is free of any explosive gases.
7. Reconnect the remote panel and turn ON the inverter and see if it supplies AC power to an AC load such as a light bulb.
8. Connect back to shorepower and confirm that the unit transfers and charges.

If this procedure does not restore normal operation, check all AC and DC connections and any fuse or breaker that may be in the DC circuit.

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