

Technical Note

Freedom Remote

512-0085-01-01 Rev 1

Gas Igniters and the Xantrex Freedom Remote cable

We have recently observed some problems related to gas igniters for LP furnaces, stoves, water heaters, and refrigerators. If the Freedom Remote cable is routed in close proximity to the igniter control wiring or the spark gap, it can cause a lock-up condition on the Freedom Inverter unit, the remote panel, or both. The lock-up condition is indicated by no operation of either the charger or the inverter modes, and the remote indicators are blank. A reset from a lock-up condition may require disconnecting and reconnecting the remote cable, disconnecting and reconnecting AC power, disconnecting and reconnecting the batteries, or all of these at the same time.

This problem can usually be corrected by moving the Freedom Remote cable to a distance of three feet or greater from the igniter wiring and the spark gap. If the problem still exists a capacitor can be placed across (in parallel) the DC input wiring from the appliance that is causing the problem.

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Technical Note: *Gas Igniters and the Xantrex Freedom Remote cable* © March 1996 Xantrex International

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