

Technical Note
Inverters in Monaco
coaches

512-0086-01-01 Rev 1

Generator Shutdown Procedure
For Monaco Coaches

The inverter installation on the Monaco coaches prior to March 1995 employs a set of four AC transfer relays that act as a transfer switch that will select between inverter AC power or shore/generator power to feed three branch circuits. In effect, these transfer relays bypass the inverter's internal transfer switch. (A fourth relay in the same box selects whether the microwave or the water heater is powered by a certain circuit breaker). A problem arises when the generator is the source of power to the AC power distribution panel. When the generator is turned "off," the relays will chatter. This chattering is caused by the slowly decaying generator output voltage and frequency as the generator is shut down. Significant arcing of the relay contacts takes place during this chattering, and voltage spikes in excess of 1000 volts have been measured. These high voltage spikes can lead to appliance and inverter damage as well as degradation of the relay contacts.

Monaco has developed a relay update/enhancement kit that converts the relays to 120 volt DC coil relays which will not chatter.

PROsine is a trademark of Xantrex International. Xantrex is a registered trademark of Xantrex International.
© 2003 Xantrex International. All rights reserved.

Technical Note: *Generator Shutdown Procedure For Monaco Coaches* © January 1996 Xantrex International

UNLESS SPECIFICALLY AGREED TO IN WRITING, XANTREX TECHNOLOGY INC. ("XANTREX")

(a) MAKES NO WARRANTY AS TO THE ACCURACY, SUFFICIENCY OR SUITABILITY OF ANY TECHNICAL OR OTHER INFORMATION PROVIDED IN ITS MANUALS OR OTHER DOCUMENTATION.

(b) ASSUMES NO RESPONSIBILITY OR LIABILITY FOR LOSS OR DAMAGE, WHETHER DIRECT, INDIRECT, CONSEQUENTIAL OR INCIDENTAL, WHICH MIGHT ARISE OUT OF THE USE OF SUCH INFORMATION. THE USE OF ANY SUCH INFORMATION WILL BE ENTIRELY AT THE USER'S RISK.

Part number: 512-0086-01-01 Rev 1

Contact information:

Phone: 1-800-670-0707 (toll-free in North America)

Fax: 1-604-420-2145 (outside North America)

Email: CustomerService@xantrex.com

Web: www.xantrex.com