#### TROUBLESHOOTING GUIDE 6700 SERIES **OBJECTIVE:** THE OBJECTIVE OF THIS GUIDE IS TO HELP DIRECT YOUR TROUBLESHOOTING TIME TO AREAS OF THE UNIT THAT WILL HELP YOU DETERMINE IF THE CONVERTER IS FUNCTIONING PROPERLY. No 12 vdc output Check for blown YES Replace fuse with Unit works fuses. same size and Are fuses blown? rating NO No 12 vdc output Remove all fuses and check for 12vdc at the fuse block. Unit is in over current mode. There is a problem Voltage should be @ 13.9-13.65 with either the battery or a connected load. Insert one vdc. Voltage reading between Voltage okay one side of fuse holder and the fuse at a time to determine where the problem is. chassis of converter Over current mode is the condition where there is a load(s) connected to the converter that exceeds the current rating of the converter. This can be either be a "short" in the coach wiring or just too many things on. NO VOLTAGE The output voltage will decrease as the current PRESENT exceeds the rating of converter. VOLTAGE OKAY. DEFECTIVE Check that all circuit breakers are in CONVERTER. the "on" position. The coach needs to be either plugged into shore power or running on a generator, Check the converter for proper No 120 VAC, Present, incoming voltage. Incoming voltage Correct the ac problem and should be between 105 and 130 recheck for proper 12 VDC VAC. This should be checked on the output, appropriate circuit in the ac wiring compartment, please refer to the nameplate for circuit identification. Power Supplies . Transformers . Converters 880 E. State Street . Huntington, Indiana 46750 . [219] 356-7100

### TROUBLE SHOOTING CONVERTER ELECTRICAL SYSTEM Page 2

### **Centurion 3000 Series Power Converter Trouble Shooting Guide**

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**CHECK RIGHT HAND FUSE** 

FUSE OK

FUSE BLOWN

CHECK FOR BATTERY

REPLACE FUSE VOLTAGE ON RED WIRE

(CAUSE) EXTREMELY LOW BATTERY OR REVERSE POLARITY

HAS VOLTAGE

NO VOLTAGE

CHECK GROUND CONNECTION (WHITE WIRE)

CHECK LINE (OR) CONNECTIONS FROM BATTERY

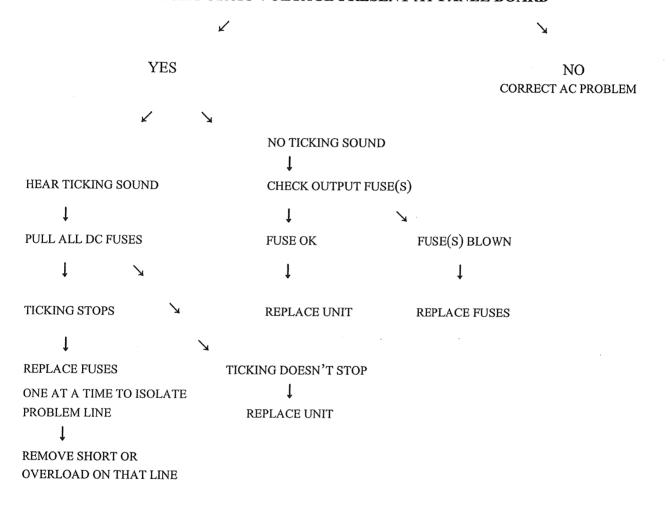
For additional trouble shooting information, call 800/848-0558 (Master Techs, Inc.)

## TROUBLE SHOOTING CONVERTER ELECTRICAL SYSTEM Page 3

### Centurion 3000 Series Power Converter Trouble Shooting Guide

### NO DC OUTPUT WHEN OPERATED ON AC POWER CORD

#### CHECK FOR AC VOLTAGE PRESENT AT PANEL BOARD



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