Special Instructions- Model N300.3 DC Supply Connection and DC Operation

Attention Original Equipment Manufacturer or Installer:

When connecting the DC supply, use these instructions instead of those in the Owner's Manual as written in Step 1 of the "Connect the 12 volts DC supply" section.

Connect the DC supply (model N300.3 only):

WARNING: Use only the recommended wire and fuse size.

1. Use #10 AWG min. wire size and a 30 Amp max. fuse to connect the DC power supply to the refrigerator.

   - If the wire is larger than the min. size, use the correct fuse per RVIA A119.2 standard or local codes.

The wires that supply the DC power to the refrigerator must be #10 AWG min. and the connections must be clean, tight and free of corrosion. If any of these items are not correct:

- A voltage drop to the refrigerator will occur.

- The voltage drop will reduce the cooling performance of the refrigerator.

The terminals for connecting the DC power supply are marked positive (+) and negative (-) on the terminal block of the refrigerator. Make sure that:

- Each DC power supply wire is attached to the correct polarity terminal.

- The chassis or the vehicle frame is not used as one of the conductors.

- The DC power supply wires including the fuses are routed directly from the battery to the refrigerator.

Continue to connect the DC power supply as written in Step 2 of the "Connect the 12 volt DC supply" section of the Owner's Manual.

DC specifications:

Operating Voltage:
13.5 volts DC min. - 15.4 volt DC max.

Current Draw:
10.7 Amps at 14 volts DC

Attention Refrigerator Owner:

These instructions contain precautions and guidelines for DC operation of the refrigerator that are not included in the Owner's Manual. Please make sure that you read and understand these instructions before you start-up the refrigerator for DC operation. Keep these instructions with the Owner's Manual for future reference.

DC Operation Precautions:

This refrigerator is made to operate on DC power for short periods of time only, such as while your vehicle is "in transit" and AC power or propane gas sources are not available. Operate the refrigerator on DC power only when the vehicle engine is running.

For the refrigerator to operate correctly on DC power, the battery must be maintained in a fully charged condition. For the battery to be fully charged at all times during refrigerator operation on DC, the vehicle engine must be running and the alternator must be in good operating condition.

Keep in mind the following electrical precautions for DC operation of the refrigerator:

- Good battery condition is necessary for correct DC operation.

- The capacity of the battery charging system must be more than what is necessary for the refrigerator and other DC appliances.

- While the vehicle engine is running, make sure the voltage of the DC power supply leads at the refrigerator is more than 13.5 VDC.

DC Operation Guidelines:

DC operation is intended only to maintain the temperature of the refrigerator and its contents when they are already cool.

The DC operation is not intended for the initial start up and cooling of the refrigerator. Always use either the AC operation or propane gas operation to initially start up and cool the refrigerator. The refrigerator must be cooled and the temperature must be steady before you operate the refrigerator on DC.

Keep in mind the following guidelines for DC operation of the refrigerator:

- Use DC operation of the refrigerator only for short periods of time while the vehicle is in transit.

- Do not use DC operation until the refrigerator and its contents are completely cooled.