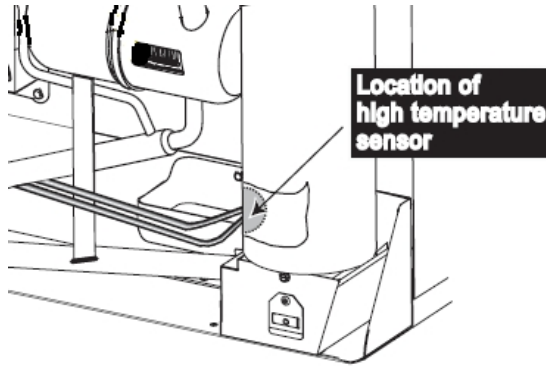


Newmar Corporation Warranty Department

Technical Service Bulletin							
Date Issued		Model Year(s) Affected		Model(s) Affected		TSB #	
10/19/2006		11/8/05 – 3/2/06		All Spartan Chassis		267	
Brand						Type	
All	<input checked="" type="checkbox"/>	American Star	<input type="checkbox"/>	Mountain Aire	<input type="checkbox"/>	All	<input type="checkbox"/>
		Dutch Star	<input type="checkbox"/>	Kountry Aire	<input type="checkbox"/>	F W	<input type="checkbox"/>
		Kountry Star	<input type="checkbox"/>	Essex	<input type="checkbox"/>	D P	<input checked="" type="checkbox"/>
Scottsdale	<input type="checkbox"/>	Northern Star	<input type="checkbox"/>	London Aire	<input type="checkbox"/>	D B	<input checked="" type="checkbox"/>
<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Air Conditioning & Heating <input type="checkbox"/> Appliances & Accessories <input type="checkbox"/> Cabinets & Furniture <input checked="" type="checkbox"/> Chassis Components <input type="checkbox"/> Construction Components </div> <div> <input checked="" type="checkbox"/> Electrical Components <input type="checkbox"/> Exterior Components <input type="checkbox"/> Interior Components <input type="checkbox"/> Plumbing & Bath Components <input type="checkbox"/> Windows, Awnings, Vents, & Doors </div> </div>							
Description of Problem							
<p>Electrical power may be lost to components of major chassis operating systems (engine, transmission, starting, cooling) causing the vehicle to shut down and/or not be capable of powering up.</p>							
Recommended Solution							
<p>Replace Bussmann DVEC. See Manufacturers attached repair directions. Contact manufacturer directly for additional information or instruction.</p>							

12XX Series High Temperature Performance Monitor

The purpose of High Temperature Performance Monitor system is to detect improper operation of the cooling unit. The system responds to the temperature in the boiler area of the cooling unit and shuts off the refrigerator if abnormally high temperatures are experienced. Once the refrigerator shuts down it is not possible to reset the unit and a qualified technician must inspect the cooling unit and installation.



The High Temperature Performance Monitor was implemented in production on 9/20/2005 beginning with serial number 8432073. No retrofit kit for 12XX models manufactured before this change will be available.

Flue Downdraft as a Cause for Over Temperature Event

In a small number of double sidewall vent installations it has recently been observed that a downdraft can be created in the flue tube while the RV is traveling down the road and the refrigerator is operating in Gas mode. The downdraft condition is caused by the location of the refrigerator compartment in the coach and air currents created as the RV moves. In extreme cases, the downdraft can force the flame to abnormally heat the area around the burner box causing the temperature sensor to trip, which in turn shuts down the refrigerator.

As an aid to RV OEMs, Norcold has created a flue tube cap that will block these downdrafts. The new flue tube cap was implemented as standard in production for the 12XX on 1/2/2006 beginning with serial number 8747930.

The new flue tube cap service kit is P/N 629100.

In consideration of the above, the High Temperature Performance Monitor will be made available to qualified service technicians as a service part. The service technician must determine that the cause of the switch opening is not a defective cooling unit.



Special Instructions: Modified Flue Cap Installation

WARNING: Burn hazard. If the refrigerator is operating, the flue cap will be very hot. Do not touch the flue cap with your bare hand.

1. Open the door of the upper side-wall exhaust vent to get access to the upper part of the refrigerator cooling system.
2. Remove the existing flue cap from the end of the flue tube.

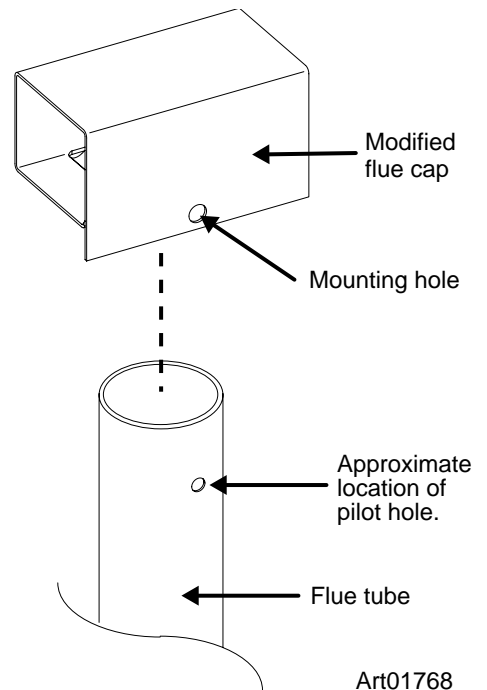
NOTE: The flue cap fits snugly. You may need to use a tool to tap flue cap upward and off of the flue tube.

3. Install the modified flue cap on the end of the flue tube (See Art01768):

- Make sure the mounting hole of the modified flue cap is located away from the refrigerator cabinet back.
- Push the modified flue cap onto the end of the flue tube.

NOTE: Again, you may need to use a tool to tap flue cap downward onto the flue tube.

- Make sure that the long side of the modified flue cap is parallel with the refrigerator cabinet back.
 - At the center of the mounting hole, drill a .136 in. dia. (#29-bit) pilot hole through the flue tube.
 - Put the #8 self-drilling sheet-metal screw (supplied) through the mounting hole and into the pilot hole.
 - Securely tighten the screw.
4. Close the door of the upper side-wall exhaust vent.



INCORRECT INSTALLATION

The long edge of flue cap is NOT parallel with the refrigerator cabinet back.



CORRECT INSTALLATION

The long edge of flue cap IS parallel with the refrigerator cabinet back.

