



Service Manual Insert

N82X, N62X, N51X, N41X Series

For Gas Electric Refrigerators
Updated with Controls Adapter Kit

Purpose

This document outlines the changes in operation due to the installation of the Controls Adapter Kit. This document **REPLACES** the original information shipped with your refrigerator regarding these topics. Topics include:

- New cooling performance monitoring procedures
- Updated Fault Code listing

Cooling Performance Monitoring Control

The cooling unit is automatically monitored by the controls to ensure that the unit is functioning properly. If the controls sense the cooling unit has stopped cooling:

- The heat sources to the cooling unit are turned off and "locked out" by the controls
- An "n" fault code is displayed



IMPORTANT! Although the system allows you to manually clear the fault code and unlock the heat sources *one time*, if you reset the controls and the fault occurs again **before** the refrigerator completes a full cooling cycle:

- The controls will turn off and lock out the heat sources.
- An "n" fault code will be displayed.
- You will not be able to reset the fault. Have the refrigerator serviced by your dealer or a Norcold authorized Service Center as soon as possible.
- It is highly recommended that you check the probable causes list below **BEFORE** following the reset procedures described in this document.

Check Probable Causes

A high percentage of "no cool" errors have been traced back to one of the following operational conditions. It is important that you resolve any of the problems below **BEFORE** you reset the controls:

- **Lack of proper ventilation.** Verify that the vents are not obstructed.
- **Coach/trailer is out of level.** Verify that the coach/trailer is level (no more than 3° off level side to side and no more than 6° off level front to back).
- **Operation during low outside ambient temperatures.** Verify that outside temperatures are above freezing.

To Reset the Controls and Clear the Fault Code

The system allows you to manually clear the fault code and unlock the heat sources by powering the refrigerator OFF and then back ON as described below:

- To power the refrigerator OFF, press and hold the ON/OFF button for two seconds and then release.
- To power refrigerator ON, press and release the ON/OFF button.

**KEEP THIS DOCUMENT WITH THE
ORIGINAL REFRIGERATION OWNER'S MANUAL!**

Questions? 1-800-543-1219

See your dealer for more information about Norcold products.

Or, write or call:

www.norcold.com

info@norcold.com

Norcold Incorporated
P.O. Box 1285
Ann Arbor, MI 48106
1-800-543-1219



Fault Code Listing

This code lists replaces the document originally shipped with your refrigerator.

Fault Code	Fault Code Meaning	Corrective Actions
No display.	DC voltage unavailable to the refrigerator Refrigerator is OFF	Check: - That the refrigerator is ON. - That the battery charging equipment of the vehicle is operational. - That the AC/DC converter is operational (if applicable). - See your dealer or Norcold authorized service center.
"d"	The door was open for more than 2 minutes.	Close door
"F"	Burner did not ignite or re-ignite.	Check: - That the valve of the propane gas tank(s) is open. - That the propane gas is at the correct pressure. - That the manual shut off valve of the refrigerator is open. - That there is no air in the propane gas supply lines. See "Removing air from the propane gas supply lines" section of this manual. - See your dealer or Norcold authorized service center.
"A"	AC voltage is unavailable to the refrigerator or too low.	Check: - That the refrigerator is plugged into a serviceable outlet. - That the fuse or circuit breaker is intact. - That the vehicle generator is operational (if applicable). - See your dealer or Norcold authorized service center.
"C"	DC voltage to the refrigerator control panel is too low.	Check: - That the battery charging equipment of the vehicle is operational. - That the AC/DC converter is operational (if applicable). - See your dealer or Norcold authorized service center.
"o"	Cooling unit high temperature limit switch is open (if applicable).	This is not owner serviceable. See your dealer or authorized Norcold Service Center.
Temp setting flashes when SET TEMP button is pressed.	The refrigerator is operating on the "Back Up Operating System."	This is not owner serviceable. See your dealer or authorized Norcold Service Center.
"r"	This is a fault within the refrigerator controls.	This is not owner serviceable. See your dealer or authorized Norcold Service Center.
"H"	This is a fault within the refrigerator controls.	This is not owner serviceable. See your dealer or authorized Norcold Service Center.
"S"	This is a fault within the refrigerator controls.	This is not owner serviceable. See your dealer or authorized Norcold Service Center.
" _ "	This is a fault within the refrigerator controls.	This is not owner serviceable. See your dealer or authorized Norcold Service Center.
"h"	This is a fault within the refrigerator controls.	1st time fault is displayed Check: - That vehicle is level - That a door(s) is not open - That vents are not blocked 2nd consecutive time fault is displayed - After 1st reset This is not owner serviceable. See your dealer or authorized Norcold Service Center.