

Service Manual

For models N620 and N621: 6 cu.ft., 2-way, R.V. refrigerators.
For models N640 and N641: 6 cu.ft., 2-way or 3-way, R.V. refrigerators.
For models N640-IM and N641-IM: 6 cu.ft., 2 way or 3-way, R.V. refrigerators with ice maker.
For models N820 and N821: 8 cu.ft., 2-way, R.V. refrigerators.
For models N840 and N841: 8 cu.ft., 2-way or 3-way, R.V. refrigerators.
For models N840-IM and N841-IM: 8 cu.ft., 2-way or 3-way, R.V. refrigerators with ice maker.

These model numbers are 2-way refrigerators. The model numbers of 3-way refrigerators include “.3”.

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Introduction

This manual supplies information for the experienced repair technician. The repair technician should have working knowledge of the operation of an absorption refrigerator system and should have basic knowledge of LP gas and electrical systems.

Read the "Installation Manual", the "Owner's Manual", all service procedures, cautions, and warnings before you do any service work on the refrigerator.


If you are unable to resolve the problem using this Service Manual, technical service support is available at 1-800-543-1219.


Use only genuine Norcold replacement parts on the refrigerator. Generic parts do not meet Norcold's specifications for reliability, performance and safety and will void the Norcold Limited Warranty.

Safety Awareness

Read this manual carefully and understand the contents before you install the refrigerator.

Be aware of possible safety hazards when you see the safety alert symbol on the refrigerator and in this manual. A signal word follows the safety alert symbol and identifies the danger of the hazard. Carefully read the descriptions of these signal words to fully know their meanings. They are for your safety.

 **WARNING:** This signal word means a hazard, which if ignored, can cause dangerous personal injury, death, or much property damage.

 **CAUTION:** This signal word means a hazard, which if ignored, can cause small personal injury or much property damage.

Safety Instructions

 **WARNING:**

- This refrigerator is equipped for the use of propane gas only and can not be changed to use any other fuels (natural gas, butane, etc.).
- Incorrect installation, adjustment, alteration, or maintenance of this refrigerator can cause personal injury, property damage, or both.
- Obey the instructions in the "Installation Manual" to install the intake and exhaust vents.
- Do not install the refrigerator directly on carpet. Put the refrigerator on a metal or wood panel that extends the full width and depth of the refrigerator.
- Propane gas can ignite and cause a fire or an explosion that can result in property damage, personal injury, or death. Do not smoke or create sparks while doing any work on the propane gas supply system. Do not use an open flame to examine the gas supply piping or fittings for leaks.
- To avoid possible gas leaks, always use two wrenches to tighten or loosen the gas supply line connections.
- Make sure the electrical installation obeys all applicable codes. See the "Certification and Code Requirements" section of the "Installation Manual".
- Disconnect both the AC and DC power sources before doing any maintenance work on the refrigerator.
- Do not bypass or change the refrigerator's electrical components or features.

- Do not spray liquids near electrical outlets, connections, or the refrigerator components. Many liquids are electrically conductive and can cause a shock hazard and in some cases fire.
- The refrigerator cooling system is under pressure. Do not try to repair or to recharge a defective cooling system. The cooling system contains sodium chromate. The breathing of certain chromium compounds can cause cancer. The cooling system contents can cause severe skin and eye burns, and can ignite and burn with an intense flame. Do not bend, drop, weld, move, drill, puncture, or hit the cooling system.
- Do not remove the round ground prong from the refrigerator AC power cord. Do not use a two prong adapter or extension cord on the AC power cord.
- A circuit overload can result in an electrical fire if the wires and/or fuse sizes used are not correct. Use only the wire and fuse sizes written in the "Installation Manual"
- To prevent child entrapment, make sure all shelf retainers are correctly fastened and remove the doors before disposing of the refrigerator.



CAUTION:

- The rear of the refrigerator has sharp edges and corners. To prevent cuts or abrasions when working on the refrigerator, use caution and wear cut resistant gloves.
- Make sure all fasteners and connections are tight.

Specifications

Art01005	N8__ Models	N6__ Models
Storage Volume (cu. ft.)	7.5	6.3
Rough Opening (in.) W x H x D	23 1/2 x 59 7/8 x 24	23 1/2 x 52 7/8 x 24
Certified Vent Kit	Kit # 3	Kit # 3
Certified Venting and Installation	<ul style="list-style-type: none"> - Vent kit installed without change. - Unobstructed air flow through cooling system. - Clearances (ins.) <ul style="list-style-type: none"> Top 0-1/4 Sides 0 - 1/2 Rear 0 - 1 Bottom 0 	<ul style="list-style-type: none"> - Vent kit installed without change. - Unobstructed air flow through cooling system. - Clearances (ins.) <ul style="list-style-type: none"> Top 0-1/4 Sides 0 - 1/2 Rear 0 - 1 Bottom 0
Decorative Door Panel Sizes Thickness - 3/16 in. Upper Door H x W (in.) Lower Door H x W (in.)	14 17/32 x 21 19/32 38 5/8 x 21 19 /32	14 17/32 x 21 19/32 31 5/8 x 21 19 /32

Supply Voltage, Fuse, and Wire Size Requirements

Art01006	Models N820, N821, N840, and N840 IM	Models N820.3, N821.3, N840.3, and N840.3 IM	Models N620, N621, N640, and N640 IM	Models N620.3, N621.3, N640.3, and N640.3 IM
DC Supply Voltage	10.5 min. - 15.4 max.	10.5 min. - 15.4 max.	10.5 min. - 15.4 max.	10.5 min. - 15.4 max.
AC Supply Voltage	108 min. - 132 max.	108 min. - 132 max.	108 min. - 132 max.	108 min. - 132 max.
Internal fuses of Refrigerator	DC Control voltage: 3 Amp blade type AC Circuit: 5 Amp 3AG (glass)	DC Control voltage: 3 Amp blade type AC Circuit: 5 Amp 3AG (glass) DC Electric (heater): 30 Amp blade type	DC Control voltage: 3 Amp blade type AC Circuit: 5 Amp 3AG (glass)	DC Control voltage: 3 Amp blade type AC Circuit: 5 Amp 3AG (glass) DC Electric (heater): 30 Amp blade type
DC Supply Wire and Fuse Sizes (If the distance from the battery to the refrigerator is: * 20 ft. or less ** more than 20 ft.)	*18 AWG min. **18 AWG max. * 6 Amp fuse ** 6 Amp fuse	*10 AWG min. **8 AWG max. * 30 Amp fuse ** 40 Amp fuse	*18 AWG min. **18 AWG max. * 6 Amp fuse ** 6 Amp fuse	*10 AWG min. **8 AWG max. * 30 Amp fuse ** 40 Amp fuse

Operating Requirements

Art01007	Models N820, N821, N840, and N840 IM	Models N820.3, N821.3, N840.3, and N840.3 IM	Models N620, N621, N640, and N640 IM	Models N620.3, N621.3, N640.3, and N640.3 IM
Propane Gas Operation Requirements	.0155 Orifice - 12 VDC for operating controls, interior light, moisture reduction heater and gas ignition circuit. - Propane gas at supply pressure of 11 in. W.C.	.0155 Orifice - 12 VDC for operating controls, interior light, moisture reduction heater and gas ignition circuit. - Propane gas at supply pressure of 11 in. W.C.	.015 Orifice - 12 VDC for operating controls, interior light, moisture reduction heater and gas ignition circuit. - Propane gas at supply pressure of 11 in. W.C.	.015 Orifice - 12 VDC for operating controls, interior light, moisture reduction heater and gas ignition circuit. - Propane gas at supply pressure of 11 in. W.C.
AC Electric Operation Requirements	- 12 VDC for operating controls, interior light, and moisture reduction heater. - 120 VAC, 60 Hertz for AC heater.	- 12 VDC for operating controls, interior light, and moisture reduction heater. - 120 VAC, 60 Hertz for AC heater.	- 12 VDC for operating controls, interior light, and moisture reduction heater. - 120 VAC, 60 Hertz for AC heater.	- 12 VDC for operating controls, interior light, and moisture reduction heater. - 120 VAC, 60 Hertz for AC heater.
DC Electric Operation Requirements	- 12 VDC for operating controls, interior light, and moisture reduction heater.	- 12 VDC for operating controls, interior light, moisture reduction heater, and DC heater.	- 12 VDC for operating controls, interior light, and moisture reduction heater.	- 12 VDC for operating controls, interior light, moisture reduction heater, and DC heater.

Heater Specifications

Art01008	Models N820, N821, N840, and N840 IM	Models N820.3, N821.3, N840.3, and N840.3 IM	Models N620, N621, N640, and N640 IM	Models N620.3, N621.3, N640.3, and N640.3 IM
AC Heater Watts / Amps / Ohms (Ohms reading +/- 5%)	300 / 2.7 / 40.3	300 / 2.7 / 40.3	300 / 2.7 / 40.3	300 / 2.7 / 40.3
DC Heater Watts / Amps / Ohms (Ohms reading +/- 5%)		225 / 16 / .87		225 / 16 / .87

Other Current Draws

Art01009	Models N820, N821, N840, and N840 IM	Models N820.3, N821.3, N840.3, and N840.3 IM	Models N620, N621, N640, and N640 IM	Models N620.3, N621.3, N640.3, and N640.3 IM
Automatic Ignition	.50 Amp	.50 Amp	.50 Amp	.50 Amp
Moisture Reduction Heater	.11 to .17 Amp	.11 to .17 Amp	.11 to .17 Amp	.11 to .17 Amp
Interior Light	.60 Amp	.60 Amp	.60 Amp	.60 Amp
Gas Valve	.14 Amp	.14 Amp	.14 Amp	.14 Amp

Ventilation Requirements



WARNING: The completed installation must:

- Make sure there is sufficient intake of fresh air for combustion.
- Make sure the living space is completely isolated from the combustion system of the refrigerator.
- Make sure there is complete and unrestricted ventilation of the flue exhaust which, in gas mode, can produce carbon monoxide. The breathing of carbon monoxide fumes can cause dizziness, nausea, or in extreme cases, death.

Certified installation needs one lower intake vent and one upper exhaust vent. Install the vents exactly as instructed in the "Installation Manual". Any other installation method voids both the certification and the factory warranty of the refrigerator.

The bottom of the opening for the lower intake vent, which is also the service access door, must be even with or immediately below the floor level. This allows any leaking LP gas to escape to the outside and not to collect at floor level.

If the vehicle has two side wall vents, the minimum distance from the floor level to the top of the upper exhaust vent is 55 inches on N6__ models and 62 inches on N8 __ models.

American Gas Association/Canadian Gas Association (AGA/CGA) certification allows the refrigerator to have zero (0) inch minimum clearance at the sides, rear, top, and bottom. While there are no maximum clearances specified for certification, the following maximum clearances are necessary for correct refrigeration:

Bottom	0 inch min.	0 inch max.
Each Side	0 inch min	1/2 inch max.
Top	0 inch min.	1/4 inch max.
Rear	0 inch min.	1 inch max.

These clearances plus the lower and upper vents cause the natural air draft that is necessary for good refrigeration. Cooler air goes in through the lower intake vent, goes around the refrigerator coils where it removes the excess heat from the refrigerator components, and goes out through the upper exhaust vent. If this air flow is blocked or decreased, the refrigerator may not cool correctly.

Each NORCOLD model is certified by AGA and CGA for correct ventilation.

Propane Gas Components

This refrigerator operates on propane gas at a pressure of 10.5 inches Water Column min. to 11.5 inches Water Column max.



WARNING: Be very careful when working on or near the propane gas system.

- Do not smoke, or use an open flame near the propane gas system.
- Do not use an open flame to examine for leaks.
- Do not connect the refrigerator to the propane gas tank without a pressure regulator between them.
- To avoid possible propane gas leaks, always use two wrenches to tighten or loosen the gas supply line connections.
- Leaking propane gas can ignite or explode and result in dangerous personal injury or death.

Examine the gas supply system for leaks:



WARNING: Do not allow the leak detecting solution to touch the electrical components. Many liquids are electrically conductive and can cause a shock hazard, electrical shorts, and in some cases fire.

Using a solution of liquid detergent and water, make sure the gas supply line and all gas connections have no leaks. Do not use any liquid that contains ammonia.

If you use compressed air for the test:

- The pressure of the compressed air at the manual shutoff valve of the refrigerator must not be more than 1/2 psig (14 inches Water Column).
- If the pressure of the compressed air is more than 1/2 psig (14 inches Water Column), remove the gas supply line from the manual shutoff valve of the refrigerator before the test.
- If the pressure of the compressed air is equal to or less than 1/2 psig (14 inches Water Column), close the manual shutoff valve of the refrigerator before the test.

Electrical Components

This refrigerator operates on these electrical sources.

AC Operation 120 volts AC voltage
 (108 volts min. - 132 volts max.)
 12 volts DC control voltage
 (10.5 volts min. - 15.4 volts max.)

DC Operation 12 volts DC voltage
(3-way models) (10.5 volts min. - 15.4 volts max.)

Operation out of these limits may damage the refrigerator's electrical circuit parts and will void the warranty.

Examine the 120 volts AC supply:

WARNING: Connect the AC power cord only to a grounded three-prong receptacle. Do not remove the round ground prong from the power cord. Do not use a two-prong adapter or an extension cord. Operation of the refrigerator without a correct ground could cause dangerous electrical shock or death if you are touching the metal parts of the refrigerator or the vehicle.

- Make sure the AC power cord is in a grounded three-prong receptacle.
- Make sure the receptacle is within easy reach of the lower intake vent.
- Make sure the power cord does not touch the burner cover, the flue pipe, or any hot component that could damage the insulation of the power cord.

Examine the 12 volt DC supply:

The refrigerator gets power from the 12 volt system of the vehicle; either from the battery or from an auxiliary (house) battery. The battery system not only supplies DC power to the refrigerator, but also to other components of the vehicle.

The DC heating element, which supplies power for cooling during DC operation, has a high current draw and can cause rapid battery drain.

Make sure the wire size and fuse size are correct:

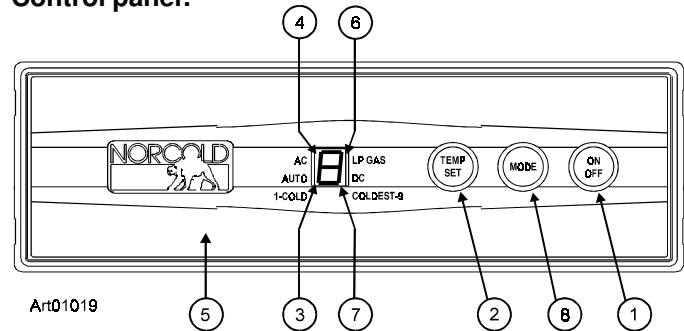
- On 2-way models, use a minimum of 18 AWG wire and a maximum 6 Amp fuse.
- On 3-way models, measure the distance from the vehicle battery to the refrigerator.
 - If the distance is 0 - 20 feet, use a minimum of 10 AWG wire and a 30 Amp fuse.
 - If the distance is over 20 feet, use a minimum of 8 AWG wire and a maximum 40 Amp fuse.
- If the wire size is larger than the min. size, use the correct fuse per RVIA A119.2 standard or local codes.

- Make sure the positive DC wire from the battery is connected to the power board terminal that is marked 12VDC.
- Make sure the DC ground wire from the battery is connected to the power board terminal that is marked 12V GND1.
- Make sure each DC power supply wire is on the correct polarity terminal.
- Make sure an in-line fuse is installed on the DC positive wire, as near the battery as possible, between the battery and the terminal block of the refrigerator.

NOTE: This in-line fuse is necessary for added safety, even though the refrigerator has a DC fuse in the control assembly.

Operating the Refrigerator Controls (models N620, N621, N820, and N821)

Control panel:



The refrigerator control panel (see Art01019) is between the freezer compartment and the fresh food compartment. To maintain the operating control functions of the refrigerator, a 12 volt DC power supply is necessary. The refrigerator and any other DC components in the vehicle, receive DC power from the 12 volt system of the vehicle; either an auxiliary battery, a converter, or the vehicle engine battery.

The ON / OFF button [1] starts and shuts down the refrigerator:

- If the refrigerator is shut down, press the ON / OFF button to start the refrigerator in auto mode.
- If the refrigerator is operating, press and hold the ON / OFF button for two seconds to shut down the refrigerator.

The TEMP SET button [2] controls the temperature adjustment of the freezer and the fresh food compartment. The temperature adjustment that you select does not change if the mode of operation of the refrigerator changes.

- Push the TEMP SET button and the temperature setting "1-9" appears in the center display [3].
- Push and hold the TEMP SET button and the temperature setting changes.
 - The number "9" is the coldest temperature setting.

The MODE button [8] controls the operation mode of the refrigerator.

- Push and hold the MODE button and a light bar flashes in the center display beside each of the four operating modes of the refrigerator, one at a time.
 - There is one automatic mode of operation and three manual modes of operation.
 - When the light bar flashes beside the mode of operation that you wish, release the MODE button.

Automatic mode operation:

When you select AUTO mode, the refrigerator controls automatically select the most efficient energy source that is available for operation. If a more efficient energy source becomes available, the refrigerator controls change from the current energy source to the more efficient energy source.

The controls select the energy source in this sequence:

- When 120 volts AC is available to the refrigerator:
 - The light bars beside AUTO [3] and AC [4] show in the center display.
 - After ten seconds, the light bar beside AC goes off and only the light bar beside AUTO remains.
 - This means that the refrigerator is operating on AC electric.
- If 120 volts AC is not available to the refrigerator:
 - The light bars beside AUTO and LP GAS [6] show in the center display.
 - After ten seconds, the light bar beside LP GAS goes off and only the light bar beside AUTO remains.
 - This means that the refrigerator is operating on propane gas.

If an energy source is available to the refrigerator, but is not operating correctly:

- A fault code appears in the center display.
- The refrigerator controls try to change to a less efficient energy source.
- If a less efficient energy source is not available:
 - The refrigerator stops operation.
 - Refer to the "Fault Codes" section of this manual.

Manual mode operation:

When you select one of the manual modes of operation, The light bar beside the AUTO goes out in the center display and only the light bar beside either AC, LP GAS, or DC remains.

- AC means that the refrigerator is operating on AC electric.
- LP GAS means that the refrigerator is operating on propane gas.

If the energy source is interrupted:

- The refrigerator stops operation.
- Refer to the "Fault Codes" section of this manual.

Ignition of LP gas in either auto or manual mode:

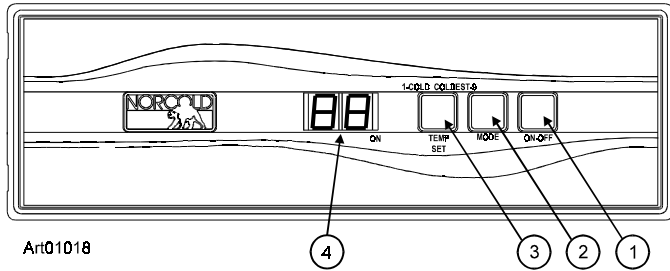
NOTE: On initial start up of the refrigerator, ignition of the propane gas may not occur within 30 seconds.

If ignition of the propane gas does not occur within 30 seconds:

- The gas safety valve of the refrigerator closes.
- The refrigerator stops operation.
- Refer to the "Fault Codes" section of this manual.
- The fault code remains until you push the ON / OFF button two times (to stop and start the refrigerator).
- If ignition does not occur after two or three times:
 - Check the gas supply line.
 - Refer to the "Gas Ignition Fault" chart that is in the "Troubleshooting" section this manual.

Operating the Refrigerator Controls (models N640, N641, N640-IM, N641-IM, N840, N841, N840-IM, and N841-IM)

Control panel:



The refrigerator control panel (See Art01018) is between the freezer compartment and the fresh food compartment. To maintain the operating control functions of the refrigerator, a 12 volt DC power supply is necessary. The refrigerator and any other DC components in the vehicle, receive DC power from the 12 volt system of the vehicle; either an auxiliary battery, a converter, or the vehicle engine battery.

The ON / OFF button [1] starts and shuts down the refrigerator:

- If the refrigerator is shut down, push the ON / OFF button to start the refrigerator in auto mode.
- If the refrigerator is operating, push and hold the ON / OFF button for two seconds to shut down the refrigerator.

The TEMP SET button [3] controls the temperature adjustment of the freezer and the fresh food compartment. The temperature adjustment that you select does not change if the operation mode of the refrigerator changes.

- Push the TEMP SET button and the temperature setting "1-9" appears in the center display [4].
- Push and hold the TEMP SET button and the temperature setting changes.
 - The number "9" is the coldest temperature setting.

The MODE button [2] controls the operation mode of the refrigerator:

- Push and hold the MODE button and each of the four operating modes of the refrigerator flash one at a time in the center display.
 - There is one automatic mode of operation and there are three manual modes of operation.
 - When the mode of operation that you wish shows in the center display, release the MODE button.

Automatic mode operation:

When you select AUTO mode, the refrigerator controls automatically select the most efficient energy source that is available for operation. If a more efficient energy source becomes available, the refrigerator controls change from the current energy source to the more efficient energy source.

The controls select the energy source in this sequence:

- When 120 volts AC is available to the refrigerator:
 - "AU" "AC" flashes in the center display.
 - This means that the refrigerator is operating on AC electric.
 - After ten seconds, the "AU" "AC" goes off and only a power indicator remains.
- If 120 volts AC is not available to the refrigerator:
 - "AU" "LP" flashes in the center display.
 - This means that the refrigerator is operating on propane gas.
- On 3-Way models only, if neither 120 volts AC nor propane gas is available to the refrigerator:
 - "AU" "dc" flashes in the center display.
 - This means that the refrigerator is operating on DC electric.

NOTE: DC electric operation is less efficient than AC electric and propane gas. Use DC electric operation only to maintain the refrigerator temperature while in transit and if the other energy sources are not available. Do not use DC electric to initially decrease the temperature of the refrigerator.

If an energy source is available to the refrigerator, but is not operating correctly:

- A fault code shows in the center display.
- The refrigerator controls try to change to a less efficient energy source.
- If a less efficient energy source is not available:
 - An audible alarm starts.
 - The refrigerator stops operation.
 - Refer to the "Fault Codes" section of this manual.

Manual mode operation:

When you select one of the three manual modes, "AU" goes out in the center display and either "AC", "LP", or "dc" appears.

- "AC" means that the refrigerator is operating on AC electric.
- "LP" means that the refrigerator is operating on propane gas.
- "dc" means that the refrigerator is operating on DC electric.

If the energy source is interrupted:

- An audible alarm starts.
- The refrigerator stops operation.
- Refer to the "Fault Codes" section of this manual.

Ignition of propane gas in either auto or manual mode:

NOTE: On initial start up of the refrigerator, ignition of the propane gas may not occur within 30 seconds.

If ignition of the propane gas does not occur within 30 seconds:

- The gas safety valve of the refrigerator closes.
- In the Auto mode:
 - The refrigerator control changes to a less efficient energy source (3-way models only).
 - The fault code "no" "FL" shows in the center display (2-way models only).
- In the Manual mode and operating on propane gas:
 - An audible alarm starts.
 - The fault code "no" "FL" shows in the center display.
 - The audible alarm and the fault code remain until you push the MODE button.
 - Push the ON/OFF button two times to stop and start the refrigerator.
- If ignition does not occur after two or three times:
 - Check the gas supply line.
 - Refer to the "Propane Gas Ignition Fault" chart that is in the "Troubleshooting" section this manual.

Backup Operating System

This refrigerator has a backup operating system. The backup operating system allows the refrigerator to continue to cool if the temperature sensor of the refrigerator should fail.

If this failure occurs:

- The refrigerator automatically changes to the backup operating system.
 - When you push the TEMP SET button, the temperature setting flashes in the center display for ten seconds.
 - After the temperature setting flashes, the mode of operation appears in the center display.
- The backup operating system can over freeze or thaw the contents of the freezer and the fresh food compartment.
 - Make sure the temperatures of the freezer and the fresh food compartment are satisfactory.

NOTE: If you open the door(s) too often, the temperatures inside the freezer and fresh food compartment do not become stable. Allow the refrigerator to operate for about one hour after each adjustment change before you examine the contents. The number "9" is the coldest temperature setting.

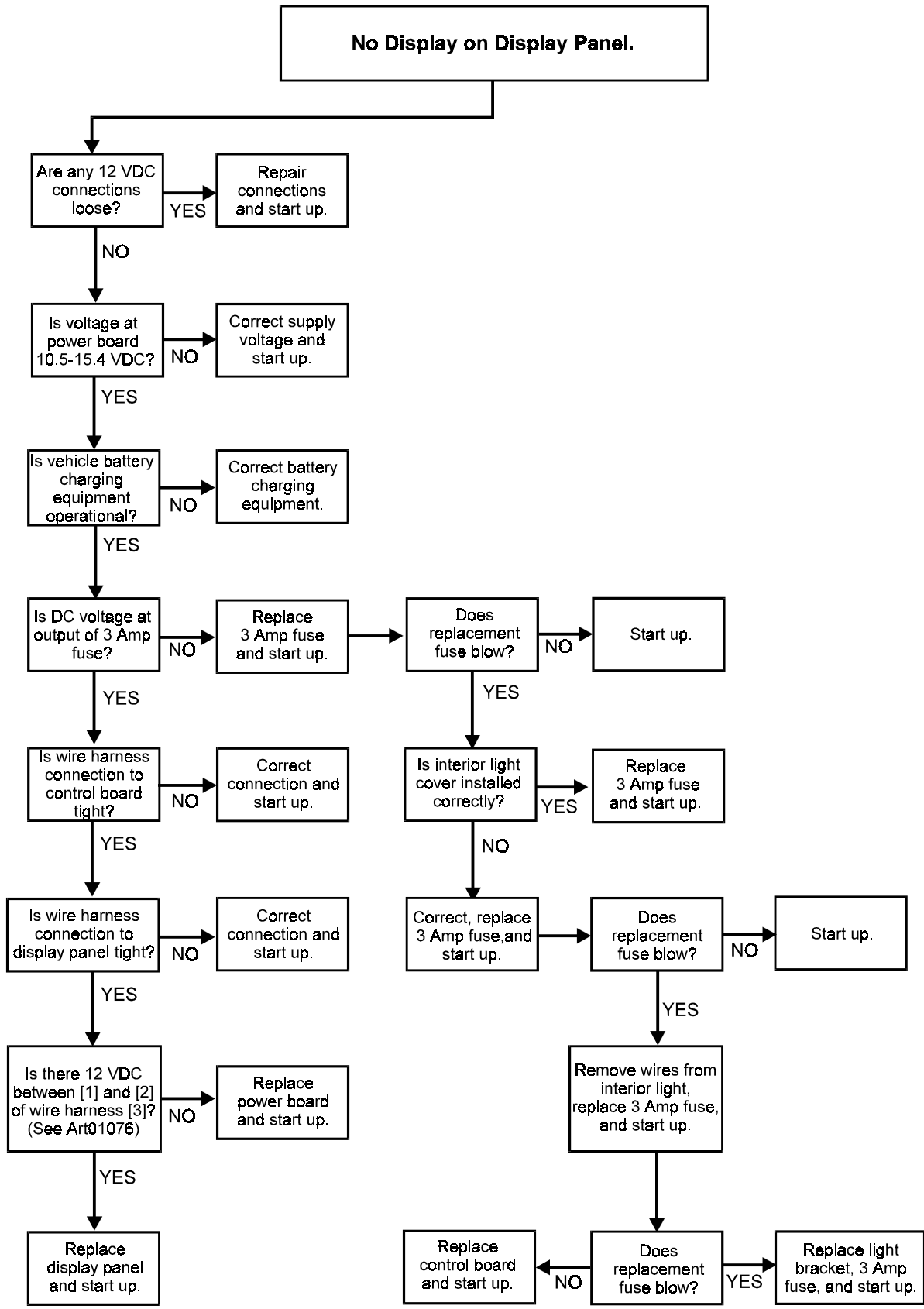
- If the temperature is too warm, push and hold the TEMP SET button to raise the temperature setting by one number.
- If the temperature is too cold, push and hold the TEMP SET button to lower the temperature setting by one number.
- The owner should have the refrigerator serviced by a dealer or an Norcold authorized Service Center as soon as possible.

Fault Codes (models N620, N621, N820, and N821)

Fault Codes	Fault Code Meaning	Corrective Action Refer to the chart that is in the "Trouble Shooting" section of this manual.
No display.	DC voltage is unavailable to the refrigerator control panel or the refrigerator is OFF.	Turn refrigerator ON. Refer to " No Display On Control Panel".
"d"	The food compartment door was open for more than two minutes.	Refer to "Fresh Food Compartment Door Ajar".
"F"	The burner did not ignite or reignite.	Refer to "LP Gas Ignition Failure".
"A"	AC voltage is unavailable to the refrigerator control panel.	Refer to "AC Power Not Available".
"E"	DC voltage to the refrigerator control panel is too high.	Refer to "DC Voltage is Too High".
"C"	DC voltage to the refrigerator control panel is too low.	Refer to "DC Voltage is Too Low".
"H"	AC relay is stuck closed.	Refer to "AC Heater Output Fault"
"P"	AC heater has failed open.	Refer to "AC Heater Failed Open".
"S"	Flame sense circuit has failed.	Refer to "Flame Sense Circuit Failure".
When you push any button, the temperature setting flashes for ten seconds and then the mode appears.	The refrigerator is operating on the "Back Up Operating System".	Refer to "Back Up Operating System". Art01053

Fault Codes (models N640, N641, N640-IM, N641-IM, N840, N841, N840-IM, and N841-IM)

Fault Codes	Fault Code Meaning	Corrective Action Refer to the chart that is in the "Trouble Shooting" section of this manual.
No display.	DC voltage is unavailable to the refrigerator control panel or the refrigerator is OFF.	Turn refrigerator ON. Refer to " No Display On Control Panel".
"dr" Audible alarm also.	The food compartment door was open for more than two minutes.	Push the MODE button to silence the alarm. Refer to "Fresh Food Compartment Door Ajar".
"no" "FL" Audible alarm also.	The burner did not ignite or reignite.	Push the MODE button to silence the alarm. Refer to "LP Gas Ignition Failure".
"no" "AC" Audible alarm also.	AC voltage is unavailable to the refrigerator control panel.	Push the MODE button to silence the alarm. Refer to "AC Power Not Available".
"AC" "LO"	AC voltage to the refrigerator control panel is too low.	Refer to "AC Voltage is Too Low".
"AC" "HI"	AC voltage to the refrigerator control panel is too high.	Refer to "AC Voltage Is Too High".
"dc" "LO"	DC voltage to the refrigerator control panel is too low.	Refer to "DC Voltage Is Too Low".
"dc" "HI"	DC voltage to the refrigerator control panel is too high.	Refer to "DC Voltage Is Too High".
"AC" "rE" Audible alarm also.	AC relay is stuck closed.	Push the MODE button to silence the alarm. Refer to "AC Heater Output Fault"
"dc" "rE" Audible alarm also.	DC relay is stuck closed.	Push the MODE button to silence the alarm. Refer to "DC Heater Output Fault"
"AC" "HE" Audible alarm also.	AC heater has failed open.	Push the MODE button to silence the alarm. Refer to "AC Heater Failed Open".
"dc" "HE" Audible alarm also.	DC heater has failed open.	Push the MODE button to silence the alarm. Refer to "DC Heater Failed Open".
"Sr" Audible alarm also.	Flame sense circuit has failed.	Push the MODE button to silence the alarm. Refer to "Flame Sense Circuit Failure".
When you push any button, the temperature setting flashes for ten seconds and then the mode appears.	The refrigerator is operating on the "Back Up Operating System".	Refer to "Back Up Operating System". Art01054



Art01055