To better help you obtain assistance or service should you ever need it, write down the following information about the product. This information is on the identification label located on the left hand inside wall of the cabinet. We advise you to keep this Owners Manual and sales slip in your possession.

Model:		
Serial Number:		
Date of Purchase: _		



Owners Manual Glass Door Undercounter and Countertop Refrigerator

Model 07-CSGR



30 Armstrong Avenue Georgetown, Ontario Canada L7G 4R9

tel: 800.800.5706 or 905.702.1441

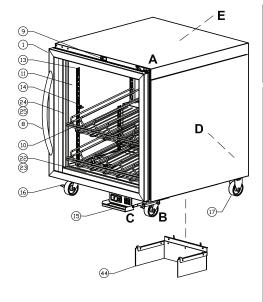
fax: 905.702.1442 email: info@duenorth.com web: duenorth.com

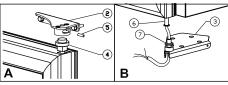


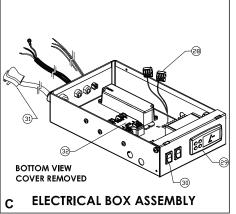
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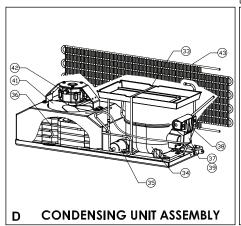
tel 800.800.5706 · 905.702.1441 · fax 905.702.1442 · DUENORTH.com

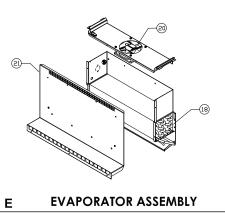
ILLUSTRATION











CAUTIONARY INSTRUCTIONS FOR UNITS CHARGED WITH PROPANE (R290) REFRIGERANT

A WARNING



THIS UNIT IS CHARGED WITH PROPANE REFRIGERANT. PROPANE IS AN EXTREMELY FLAMMABLE AND EXPLOSIVE GAS. PLEASE READ CAREFULLY THIS MANUAL/GUIDE AND FOLLOW ALL SAFETY PRECAUTIONS CONTAINED HEREIN TO REDUCE A RISK OF FIRE AND/OR EXPLOSION. FAILURE TO FOLLOW THE SAFETY PRECAUTIONS MAY RESULT IN SERIOUS INJURY OR DEATH, AND/OR PROPERTY DAMAGE.

- DANGER RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED.
 DO NOT USE MECHANICAL DEVICES TO DEFROST REFRIGERATOR. DO NOT PUNCTURE REFRIGERANT TUBING.
- DANGER RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED.
 TO BE REPAIRED ONLY BY FACTORY AUTHORIZED TRAINED SERVICE PERSONNEL. DO NOT PUNCTURE REFRIGERANT TUBING.
- CAUTION RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED.
 CONSULT REPAIR MANUAL/OWNER'S GUIDE BEFORE ATTEMPTING TO SERVICE THIS PRODUCT. ALL SAFETY PRECAUTIONS MUST BE FOLLOWED.
- CAUTION RISK OF FIRE OR EXPLOSION. DISPOSE OF PROPERLY IN ACCORDANCE WITH FEDERAL OR LOCAL REGULATIONS. FLAMMABLE REFRIGERANT USED.
- CAUTION RISK OF FIRE OR EXPLOSION DUE TO PUNCTURE OF REFRIGER-ANT TUBING; FOLLOW HANDLING INSTRUCTIONS CAREFULLY. FLAMMABLE REFRIGERANT USED.

Propane is approved for use as a refrigerant in commercial, self-contained units in Canada and USA under limited use conditions. It can be used in new equipment only, retrofitting is not allowed, with a limited charge of up to 150 grams (5.3 oz) per refrigeration circuit. Even though this is a small amount, it still presents a fire/explosion hazard if it leaks out of refrigerant containing parts. When mixed with air, a flammable propane-air mixture can be created and easily ignited by sparks, open flames, or hot surfaces. This is particularly true in confined zones. Propane is heavier than air and tends to settle at lower points.

To mitigate the risk, please follow the precautionary measures as follows:

- Avoid unit installation in areas with open flames (kitchens, repair garages or the like), or in vicinity of open flames or high surface temperatures.
- Avoid unit installation in confined spaces. Well ventilated areas are preferred. Keep clear all ventilation openings of obstructions.
- Do not rely on smell to detect potential leaks of propane refrigerant. Propane refrigerant is
 a high purity propane gas and does not contain any stenching agent(s). Stenching agents
 are typically used in fuel-grade propane and natural gas to detect their presence in air by
 relying on smell.
- All repairs must be performed in well ventilated areas.
- To minimize the risk of possible ignition due to incorrect parts or improper service, component parts shall be replaced with like components and servicing shall be done by service personnel authorized by Minus Forty Technologies.
- Do not attempt to modify the unit or remove any functional part(s) from the unit.
- · Handle the unit with care to avoid any damage.
- When transporting the unit, all appropriate safety considerations must be considered.
 Check with local Department of Transportation for detailed requirements pertaining to transportation of flammable gasses.

WARNING

MAKE SURE THE REFRIGERATOR IS DISCONNECTED FROM THE POWER SUPPLY BEFORE ANY SERVICE. PRESS THE REFRIGERATOR SWITCH TO THE "OFF" POSITION THEN UNPLUG THE POWER CORD FROM THE ELECTRICAL RECEPTACLE.

ALL SERVICE WORK MUST BE PERFORMED BY CERTIFIED, FACTORY AUTHORIZED SERVICE PERSONNEL ONLY. COMPONENT PARTS MUST BE REPLACED WITH LIKE COMPONENTS.

COMMERCIAL USE ONLY. NOT FOR HOUSEHOLD USE.

FOR INDOOR USE ONLY

A SAFETY PRECAUTIONS

READ ALL INSTRUCTIONS AND SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS NEAR THIS OR ANY OTHER APPLIANCE.

DO NOT TOUCH COLD SURFACES WITH DAMP OR WET HANDS. SKIN MAY STICK TO EXTREMELY COLD SURFACES.

DO NOT ALLOW CHILDREN TO CLIMB, HANG OR STAND ON REFRIGERATOR SHELVES.

KEEP FINGERS OUT OF PINCH-POINT AREAS.

DISCONNECT POWER TO THE UNIT PRIOR TO CLEANING OR REPAIRING.

BEFORE DISCARDING THIS OR ANY OTHER APPLIANCE, REMOVE THE DOORS OR LIDS TO REDUCE RISK OF CHILD ENTRAPMENT.

WHEN RECYCLING THE UNIT, REFRIGERANTS MUST BE HANDLED IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS.

NOTICE

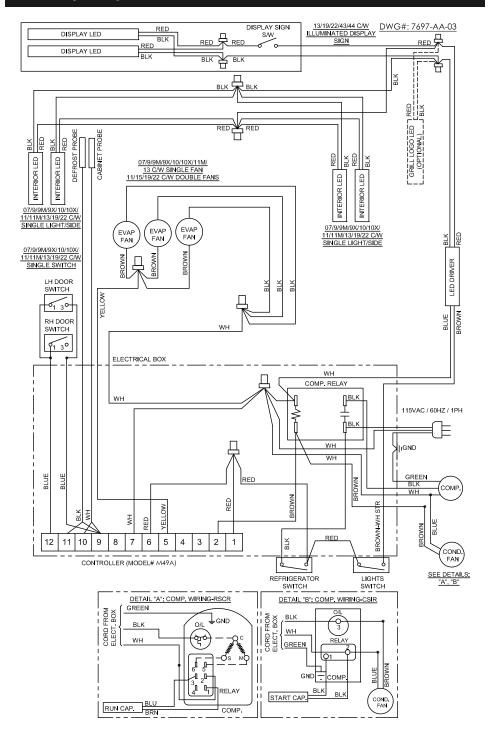
ALL MODELS ARE CERTIFIED FOR USE WITH BOTH POTENTIALLY HAZARDOUS AND NON-POTENTIALLY HAZARDOUS PACKAGED FOODS.

PARTS LIST

Door Door Top Bracket (RH or LH) Door Bottom Bracket Torsion Bar Tension Pin Bushing Nylon Washer Door Handle Door Switch Shelf-Gravity Shelf Defrost Interlocking Relay Pilaster Pilaster Clip Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Top Vent not used
Door Bottom Bracket Torsion Bar Tension Pin Bushing Nylon Washer Door Handle Door Switch Shelf-Gravity Shelf Defrost Interlocking Relay Pilaster Pilaster Clip Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Top Vent not used
Torsion Bar Tension Pin Bushing Nylon Washer Door Handle Door Switch Shelf-Gravity Shelf Defrost Interlocking Relay Pilaster Pilaster Clip Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Top Vent not used
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Bushing Nylon Washer Door Handle Door Switch Shelf-Gravity Shelf Defrost Interlocking Relay Pilaster Pilaster Clip Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Top Vent not used
Nylon Washer Door Handle Door Switch Shelf-Gravity Shelf Defrost Interlocking Relay Pilaster Pilaster Clip Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Top Vent not used
Door Handle Door Switch Shelf-Gravity Shelf Defrost Interlocking Relay Pilaster Pilaster Clip Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Top Vent not used
Door Switch Shelf-Gravity Shelf Defrost Interlocking Relay Pilaster Pilaster Clip Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Top Vent not used
Shelf-Gravity Shelf Defrost Interlocking Relay Pilaster Pilaster Clip Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Fan Evaporator Top Vent not used
Shelf Defrost Interlocking Relay Pilaster Pilaster Clip Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Fan Evaporator Top Vent not used
Defrost Interlocking Relay Pilaster Pilaster Clip Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Fan Evaporator Top Vent not used
Pilaster Pilaster Clip Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Fan Evaporator Top Vent not used
Pilaster Clip Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Fan Evaporator Top Vent not used
Controller Cover Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Fan Evaporator Top Vent not used
Caster (Swivel w/Lock) Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Fan Evaporator Top Vent not used
Caster (Rigid w/o Lock) Evaporator Coil not used Evaporator Fan Evaporator Top Vent not used
Evaporator Coil not used Evaporator Fan Evaporator Top Vent not used
not used Evaporator Fan Evaporator Top Vent not used
Evaporator Fan Evaporator Top Vent not used
Evaporator Top Vent not used
not used
Heater Breaker Seal (Side and Bottom/Top)
Heater Breaker Seal LED
LED Strip
LED Driver (Interior Light)
5 Pole Terminal Block
3 Pole Terminal Block
Controller
Rocker Switch
Power Cord
Compressor Relay
Condensate Tray Assembly
Compressor
Odniprossor
Filter Drier

No	Description
37	Start Relay
38	Start Capacitor
39	Overload Protector
40	not used
41	Fan Blade (Condensing Unit)
42	Fan Motor (Condensing Unit)
43	Condenser Grill
44	Separator Assembly

WIRING DIAGRAM



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NOTICE

OPERATING THE REFRIGERATOR FOR 24 HOURS PRIOR TO LOADING PRODUCT IS RECOMMENDED MONITOR REFRIGERATOR TEMPERATURE REGULARLY

STANDARD WARRANTY FOR MINUS FORTY® REFRIGERATION EQUIPMENT AND ACCESSORIES

LIMITED WARRANTY

Minus Forty® Technologies warrants its products to be free from defect as to workmanship and materials for a period of twelve (12) months from the time of delivery.

Minus Forty® Technologies will at its option either replace or repair any defective parts returned within twelve (12) months of the time of delivery, transportation charges prepaid, which Minus Forty® Technologies in its sole discretion, determines to be defective.

This warranty shall not apply to any products that have been repaired or altered outside of Minus Forty® Technologies factory or repair facilities if the repairs in the judgement of Minus Forty® Technologies have affected the reliability or wear of the product and nor does the guarantee apply to any product which has been subject to misuse, accident or to any product which has not been maintained pursuant to the instruction of Minus Forty® Technologies.

This warranty does not extend to any consequential damage caused by the failure of the product under any circumstance and further, Minus Forty® Technologies shall not be responsible for damage to the contents of the product or any economic loss caused by the failure of the product, whether such loss is suffered by the customer or a third party user of the product or whether the contents are owned by the customer or a third party user or supplier.



Effective January 1, 1996

TROUBLESHOOTING GUIDE (CONT'D)

for online reference go to duenorth.com

A WARNING

Make sure the refrigerator is disconnected from the power supply before any service. Press the refrigerator switch to the "Off" position then unplug the power cord from electrical receptacle. All service work must be conducted by a certified technician only.

Problem	Possible Cause	Action
Condensation on glass door.	Door not closing properly.	Check the spring tension or any obstruction
	Room humidity too high.	• To prevent condensation, room humidity should be below 55%.
LED strips are not working.	Light switch is off. Burned out LED strip.	Check if the light switch is on. Replace the LED strip. (See page 8)
Cabinet is noisy.	Part(s) loose	Locate and tighten loose part(s).
	Tubing vibrating	Ensure tubing is not in contact with other tubing or components.
Door does not close tight.	Refrigerator is not leveled. Hinges are loose / not adjusted.	Level the unit (See page 2). Adjust / tighten the hinge screws.
	Gasket is out of the groove.	Check gasket condition. Adjust position or replace gasket.
Electronic control blank, flashing, or displaying incorrect characters.	Wires disconnected at back of electronic control.	See actions described on the controller section. (page 4)
Evaporator fan does not run.	Fan wire disconnected. Door switch not working.	Check wiring. Check door switch.

TROUBLESHOOTING GUIDE

for online reference go to duenorth.com

A WARNING

Make sure the refrigerator is disconnected from the power supply before any service. Press the refrigerator switch to the "Off" position then unplug the power cord from electrical receptacle. All service work must be conducted by a certified technician only.

Problem	Possible Cause	Action
Refrigerator not running.	Refrigerator switch located at the lower front is turned off.	• Turn power switch on.
	• Fuse blown / circuit breaker tripped.	Replace fuse/reset circuit breaker.
	Power cord unplugged.Receptacle not working.	Plug in power cord.Check receptacle.
		•
	Improper voltage supplied to cabinet / over load circuit.	Remove extension cords or other equipment on the same circuit.
Refrigerator not getting cold but compressor is running	Refrigerator located in direct sunlight or ambient (room) temperature is too hot.	Move refrigerator away from direct sunlight.
		• Room temperature is recommended not to exceed 86°F (30°C), 55% RH.
	Condenser clogged with dust.	• See page 6 (Cleaning)
Condensing unit runs for a prolonged period or	Refrigerator loaded with excessive amount of warm product.	Allow enough time for product to cool down.
continuously.	Prolonged door opening or door ajar.	Close door when not in use. Avoid prolonged door openings.
	Door not closing properly.	Level the unit (See page 2).Check gasket condition.Check the door spring.
	Clogged condenser.	• Clean the condenser (See page 8).
Refrigerator cabinet temperature too high.	Electronic control set too high.	Adjust control setting (See page 4).
attaro too mgm	Poor air circulation in cabinet.	• Follow instructions for product loading (See page 3)
	Insufficient clearance around cabinet or ambient temperature too high.	• Keep at least 2"(5 cm) free space around al sides of the refrigerator. Room temperature is recommended not to exceed 86°F (30°C), 55% RH. Make sure the air flow to the compressor is not obstructed.
	Clogged condenser	• Clean the condenser (See page 7)

INSTALLATION INSTRUCTIONS

WARNING

This refrigerator MUST be installed on a dedicated grounded circuit protected with a 15 Amp circuit breaker or a 15 Amp fuse. Do not remove ground prong. If the cord or plug is damaged, replace with the same type. Refrigeration and electrical work must be performed by a qualified technician. Failure to follow these instructions can result in injury, death, fire, or electrical shock.

POWER REQUIREMENTS: The refrigerator requires a 15 Amp dedicated and properly grounded 115V/60Hz/1Ph circuit with a NEMA 5-15P receptacle. Wiring should be sized according to the amperage rating stated on the serial plate. Failure to use a dedicated circuit may cause the circuit breaker to trip off and/or cause voltage drops. As a result, power to the refrigerator may be interrupted and cooling performance can be adversely affected which may cause equipment damage and/or product loss.



Voltage supply to the refrigerator must not vary more than ±10% of the nominal 115V, or performance may be affected. The warranty and liability does not cover damage resulting from excessive voltage variations.

- DO NOT USE AN EXTENSION CORD
- DO NOT CUT, REMOVE OR BYPASS THE GROUNDING PRONG FROM THE PLUG
- DO NOT PLUG INTO AN OUTLET CONTROLLED BY A WALL SWITCH
- ENSURE POWER CORD IS NOT CUT OR DAMAGED FROM PINCHING, KNOTTING, OR MISHANDLING

CABINET LOCATION: An air space of at least 2" (5 cm) must be maintained on all sides of the refrigerators. Do not install this refrigerator in a warm unventilated room that exceeds 86°F (30°C) 55% RH; do not place refrigerator in direct sunlight; do not place refrigerator under or near heat range or heating vent.

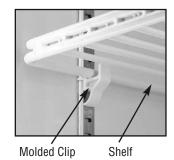
CABINET LEVELLING: The refrigerator has to be completely leveled side to side and front to back or slightly tilted front to back but never tilted forward. Once the refrigerator is placed in its final location, use a carpenter level to level the refrigerator. Proper leveling of the refrigerator is important for the door closing.

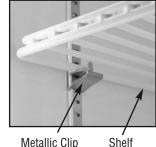
NOTICE:

Failure to follow these instructions may void the warranty and/or cause loss of product.

SHELF AND BASKET, INSTALLATION AND ADJUSTMENT

The unit is supplied with shelves and molded or metallic clips. The unit has slotted pilasters to position the shelves according to the customer's needs.







2

The clips can be removed at any time if a new position is chosen for the shelf or basket. To remove, grab the clip with your thumb and index finger, then push up the bottom surface until the clip is free. Once the clips are in place, put the shelf on top. Once the shelves are securely in place, baskets (if equipped) may be positioned on the shelves.

9

PROTECTIVE DOOR FILM REMOVAL

The anti-fog glass door has a protective film on the inner side. After the unit has been installed, peel and remove the protective film covering the inner glass surface.



OPERATING INSTRUCTIONS

WARNING

Check with your power company if you are not certain of your power supply.

Before connecting to power supply the refrigerator should be upright and idle for at least 1 hour.

Once the unit has been installed and the power supply has been connected, press the power switch to the "ON" position using a pen or pencil.

The compressor will start to run after 6 minutes. This can be confirmed by listening for a slight humming or a slight vibration.



NOTE:

If the refrigerator is running and the power supply is interrupted, the refrigerator will not restart immediately. There is a 6 minute delay for compressor protection.

Once the refrigerator is running, the inside temperature will start to cool down within a couple of minutes. Ensure that the refrigerator has reached the desired temperature (this will take between 2 to 3 hours) by checking the electronic control display readout before loading product. It is strongly recommended to run the refrigerator empty for 24 hours before loading any products.

PRODUCT LOADING

NOTICE:

Ensure the refrigerator has reached the proper operating temperature before loading product. The electronic control displays the interior cabinet temperature.

Product loss is not covered under warranty.

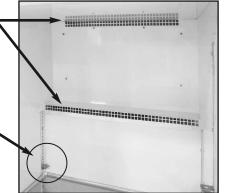
For enhanced performance of the unit and to avoid spoilage of perishable products, follow these instructions:

DO leave free space in front of the rear vents, from the vents to the glass door for air circulation.

DO NOT stock any products against the evaporator fan. See load limit labels inside the cabinet for reference.

AVOID stocking product directly on the bottom of the inner cabinet. Where possible, install the bottom shelf at the lowest pilaster position prior to stocking.

DO NOT overstock the unit.



INTERIOR LED STRIP REPLACEMENT

WARNING

Make sure the unit is disconnected from the power supply before any service. Press the power switch to the "Off" position then unplug the power cord from electrical receptacle. All service work must be conducted by a certified technician only.



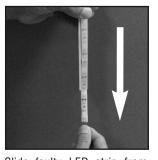
Remove silicone corner beads. Pry the screwdriver between plastic cover and cabinet frame. Pry from one end to the other.



Pry the screwdriver between plastic lens cover and cabinet frame.



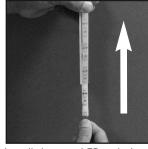
Carefully remove the plastic lens cover from cabinet frame.



Slide faulty LED strip from plastic cover.



Locate the wire for the LED strip in the electrical box and disconnect from connectors.



Install the new LED strip into the plastic cover.



Attach wires, observing color coding. Press lens cover back to cabinet frame.



Snap plastic cover back to cabinet frame. Apply silicone at plastic cover corners.



Plug the unit in and make sure the light switch is in the 'ON' position.

CLEANING (CONTINUED)

ANTI FOG GLASS DOOR INTERIOR (continued)

The Anti-Fog coating is a scratch resistant, permanent coating applied on the inner surface of the door glass. It prevents fogging and icing of cold glass surface after door opening and closing.

Cleaning can be performed using common household glass cleaners (Sidolin®, Windex®, Mr. Muscle®) and a tissue or paper towel. However, on very cold surfaces these cleaners may freeze. In these cases a mixture with 30% pure alcohol and water may be used. At temperatures above 0°C, warm hand temperature water with a mild detergent can be applied.

Do not use abrasive cleaners or materials like Ajax®, Scotch Brite® or Steel Wool. **Do not** contaminate the door with silicone.

Do not use tape, glue, stickers, attachments, magic markers or similar products on the coating.

Do not use razor blades or any other mechanical device to remove foreign residues or objects directly from the coating.

Do not use cleaners or materials that hinder the anti-fog performance by leaving residue or damaging the surface. Examples of these cleaners include: ArmorAll®, Tilex®, Bleach, Windex® No-Drip, Windex® Wipes, Pledge®, or any product containing silicone oils or waxes.

Recommended cleaners include: Greased Lightning®, Formula 409® Grease & Grime®, Fantastik®, Windex® Vinegar, Windex® Original, MicroClean Professional APC® (formerly Now® all purpose cleaner), Mean Green®, or Mr. Clean® (degreasing cleaners).

Recommended cleaning is with a soft dry or slightly damp towel, or with one of the degreasing cleaners listed above.

CONDENSER CLEANING

The refrigerator is designed for minimal condenser cleaning. With the "lint free" condenser design, most dust and dirt will pass right through the condenser. To insure the proper operation, we recommend scheduled check-ups and cleaning every three to four months. This period may be shorter or longer depending on the location in which the refrigerator was installed. A dirty condenser can result in a voided warranty, part failure, product loss, and higher electrical cost. The steps to clean the condenser are as follows:

- To clean the condenser grille at the back, use a vacuum cleaner, or compressed air, or a brush. Go over the entire grill and remove any dust that may be on the grill surfaces or stuck between welded wires.
- 2. Prior to cleaning the pre-condensers that are located just below the fan blade in the compressor compartment, turn the power switch off and unplug the power cord. Feed a vacuum hose, or compressed air hose through the compressor platform slots underneath the pre-condensers. Clean all pre-condenser surfaces by going through all of the bottom openings and reaching the whole height up to the fan blade(s).
- 3. When finished with cleaning, plug the power cord into receptacle then turn the power switch on.

NOTE:

The cleaning of the condenser is a service not covered under the warranty

TEMPERATURE ADJUSTMENT AND SWITCH FUNCTIONS

Locate the electronic control at the lower front of the refrigerator. The electronic control displays the actual temperature inside the refrigerator. In addition, the electronic control turns the refrigeration system OFF when refrigerator reaches the set temperature, and turns the refrigeration system ON after the refrigerator temperature rises by 5°F or 7 minutes whichever lasts longer.

To adjust the set temperature, follow these steps:

- 1. Press and release P button; the set temperature and SP1 are displayed alternatively on the controller
- 2. Press the UP or DOWN buttons to adjust the set temperature.
- Press P to store the adjusted value; The electronic control will return to cabinet temperature display. The U Button on the electronic controller is used for displaying cabinet and defrost temperatures (PR1 and PR2 parameters)

There are two switches located on the right hand side of the controller.

Their functions are to manually switch electronic components of the refrigerator.

- 1. The POWER switch turns the refrigeration system (including all electrical parts) ON or OFF. Use a pen or pencil to press the power switch to the ON or OFF position (see page 3).
- 2. The LIGHT switch turns the internal and external lights ON or OFF.

ELECTRONIC CONTROLLER



ELECTRONIC CONTROL

POWER

LIGHTS

CONTROLLER ALARMS AND SIGNALS

The electronic controller can detect and signal several alarm conditions: high/low refrigerator temperatures, door open and open or short-circuited temperature probes. If the alarm conditions last longer than pre-programmed time delays, the controller will turn ON an audio signal (buzzer). Also a LED light located in the upper left corner of the controller, next to the caution symbol, will glow in case an alarm is active.

Once the alarm conditions have been fixed, the controller will turn off the alarms on its own. Alarms can be disabled by pressing any controller button, during alarm conditions.

Message	Cause	Action	
Pr 1 d iSC	Cabinet temperature probe open	• Check connections • Replace probe	
Pr 1 Short [[Cabinet temperature probe short-circuited		
Pr2 d (SC	Defrost probe open	• Check connection • Replace probe	
Pr2 Short [[Defrost probe short-circuited		
Int Error	Internal memory error	Replace controller	
SEALE DELAY	Start up delay in progress	Wait for 6 minutes	

CONTROLLER ALARMS AND SIGNALS CONT...

Message	Cause	Action
H I ALA-U	High temperature alarm in progress	Check door See Troubleshooting (page 9)
LO ALA-N	Low temperature alarm in progress	Adjust set temperature
door oPEn	Door open	Close door
CC CACFE	"Turbo" mode active	• none
HIFO GEFBA	Alarm delay after a restocking command	Press the door switch 3 times repeatedly within 5 seconds to enable restocking.

CONTROLLER SYMBOLS AND FUNCTIONS



At the left side of the controller display are the following LED indicators:



1. Indicates compressor status:

Light on - Compressor cooling on

Light off - Compressor cooling off

Light flashing - Start-up delay in progress



2. Indicates defrost status:

Light on - Defrost in progress

Light flashing - Refrigerator in dripping mode



3. Indicates fan status:

Light on - Cabinet fan ON

Light off - Cabinet fan OFF

Light flashing - Start-up delay in progress after defrost.



4. Indicates the alarm status:

Light on - Alarm is on

Light off - Alarm is off

Light flashing - Alarm silenced or memorized

CLEANING

AWARNING

To reduce the risk of fire, electrical shock or personal injury, disconnect the refrigerator from the power source before cleaning. Press the refrigerator switch to the "Off" position, then unplug the power cord from the receptacle. Keep liquids away from electrical and electronic components.

A CAUTION

Do not apply hot water on cold glass components. Allow glass to warm sufficiently to prevent shattering.

A CAUTION

Do not use ammonia or bleach based cleaners or abrasive type cleaners.

Do not use abrasive cleaning pads.

To clean the exterior whether it has the original finish or a decal package, use only a mild non-abrasive liquid cleaner, water and a soft cloth. For stainless steel parts, a commercial stainless steel polish and cleaner can be used. Always apply the cleaner to the soft cloth and then clean the refrigerator. Never apply the cleaner directly to the refrigerator. Excess liquid applied to the surface may seep into the electronic control and switches which can cause an electrical hazard or a malfunction.

DO NOT USE abrasive or caustic cleaners, scouring pads, solvents or flammable liquids.

GENERAL

The refrigerator should be cleaned at regular intervals to meet a good standard of hygiene and to keep the refrigerator attractive as an effective point of purchase display.

INTERIOR CLEANING

Use only mild non-abrasive liquid cleaner, water and a soft cloth for the entire refrigerator interior. Make sure to wipe off all residue.

EXTERIOR CLEANING

Use only mild non-abrasive liquid cleaner, water and a soft cloth for the painted surfaces and a stainless steel polish and cleaner for the stainless steel surfaces if desired.

CLEANING GLASS DOOR

Due to the special coating on the glass, use only a mild, non-abrasive liquid cleaner, water, and a soft cloth. Same applies to the plastic door frame.

CLEANING GLASS DOOR EXTERIOR

Due to the special coating on the glass, use only a mild, non-abrasive liquid cleaner, water, and a soft cloth. The same applies to the plastic door frame.

ANTI FOG GLASS DOOR INTERIOR

The anti-fog glass door has a protective film on the inner side. After the unit has been installed, peel and remove the protective film covering the inner glass surface.

(continued)