

BLACK♦DIAMOND®

Glass Door Refrigerator Merchandisers Instruction Manual



USRFS-1D/22



USRFS-1D/B

Single Swing Door, 8.5 cu. ft. Single Swing Door, 22.6 cu. ft.



USRFS-2D/54



USRFS-2D/B



USRFS-3D/79

Double Swing Door, 39.9 cu. ft. Double Slide Door, 39.9 cu. ft. Triple Swing Door, 58.2 cu. ft.

This manual contains important information regarding your unit. Please read this manual thoroughly prior to equipment set-up, operation, and maintenance. Failure to comply with regular maintenance guidelines outlined in this manual may void the warranty.

IMPORTANT SAFEGUARDS

Please pay close attention to the safety notices in this section. Disregarding these notices may lead to serious injury and/or damage to the unit.



DANGER: RISK OF FIRE OR EXPLOSION

- Flammable refrigerant R290 used.
- To be repaired only by trained service personnel.
- **DO NOT** use mechanical devices to defrost refrigerator.
- **DO NOT** puncture refrigerant tubing.
- **DO NOT** pierce or burn.
- **DO NOT** store in a room with continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.)

ATTENTION

- **DO NOT** overload outlet, to minimize shock and fire hazards
- **DESIGNATE** one outlet for your unit.
- **DO NOT** spray the unit with water
- **DO NOT** use extension cords.
- **DO NOT** put your hands under the unit when the unit is required to be moved.
- **NEVER** store any flammable, explosive or corrosive liquid or gas in or near the cooler.
- If the voltage is unstable, please select a suitable automatic voltage regulator.
- **DO NOT** store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **DO NOT** allow hard collisions or strong vibrations when in transportation.
- **DO NOT** allow the unit to incline greater than 45 degrees.
- **DO NOT** attempt to remove or repair any component.
- Make sure that the unit is not resting on or against the electrical cord or plug.
- **DO NOT** hang on the doors.
- **DO NOT** store any flammable and explosive gas or liquids inside the unit.
- **DO NOT** attempt to alter or tamper with the electrical cord.
- Servicing should be performed by an authorized service representative.

UNPLUG UNIT

- **DO NOT** plug or unplug the cord with wet hands, to minimize shock and fire hazards
- **NEVER** pull the cord when unplugging unit, **ALWAYS** grasp by the plug.
- Before maintenance and cleaning, unplug the unit.
- When the unit is not in use for a long period of time, unplug the unit from the outlet.
- After unplugging the unit, wait at least 10 minutes before plugging it back in.
- * Failure to do so could cause damage to the compressor.

PROPER GROUNDING REQUIRED

- **CAUTION: DO NOT** connect grounding wire to a heating or gas pipe.
- To minimize shock and fire hazards, make sure that the unit is properly grounded.

PROHIBITED

- **DO NOT** attempt to remove or repair any component.
- Make sure that the unit is not resting on or against the electrical cord or plug.
- **DO NOT** hang on the doors.
- **DO NOT** store any flammable and explosive gas or liquids inside the unit.
- **DO NOT** attempt to alter or tamper with the electrical cord.
- **DO NOT** set the desired temperature out of the recommended temperature range for refrigerators: 32°F – 55°F

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PROPER DISPOSAL OF EQUIPMENT

- **DO NOT** dispose of this appliance with household waste.
- Dispose of properly in accordance with Federal or local regulations.
- Your old appliances contain insulation gases and refrigerant that must be disposed of properly.
- Refer to local regulations regarding disposal of the appliance for its flammable gas.
- Before carrying out decommissioning procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of recovered refrigerant. It is essential that electrical power is available before the task is commenced.

DANGER! RISK OF CHILD ENTRAPMENT

- Child entrapment and suffocation are not problems of the past. Junked or abandoned refrigerators are still dangerous even if they will sit for “just a few days.” If you are getting rid of an old refrigerator, please follow the instructions below to help prevent a terrible accident.
- Before you scrap the appliance, please take off the doors to prevent children from being trapped.
- If this appliance is to replace an old one equipped with a lock, break or remove the lock as a safety measure to avoid children becoming trapped inside.
- Leave shelves in place to prevent children from easily climbing inside.

BEFORE INSTALLATION:

- If the unit has recently been transported please let unit stand still for a minimum of 24 hours before plugging it in.
- Make sure that the desired temperature is reached before loading the unit product.
- Make sure that there is proper ventilation around the unit in the area where it will operate.
- Make sure all accessories are installed (i.e. shelves, shelf clips, casters) before plugging the unit in.
- Please read through the manual in its entirety.

INSTALLATION:

1. The refrigeration system will operate most efficiently when it is installed in an area that has cool, dry air.
2. Ensure that there's at least 6 inches of clearance on both sides and the back of the cabinet.
3. Unit should be placed away from heat and moisture generating equipment such as oven, stoves, etc.
4. Unit should avoid direct sunlight.
5. Unit should be installed on a flat sturdy surface that is strong enough to support the total weight of the unit and its contents.
6. Be sure that the unit is properly grounded to minimize shock or fire hazards. All units are equipped with a three-prong ground plug on the service cord to ensure your safety and protection.
7. All units are designed for indoor use only. Outdoor use may cause irreparable damage to the unit.

REGULAR MAINTENANCE

- **WARNING:** Disconnect power cord before cleaning any parts of the unit.

CLEANING THE CONDENSER COIL

Dust collected on condenser coil will cause unit to malfunction. For efficient operation, it is important that the condenser surface be kept free of dust, dirt, and lint.

- Clean the condenser at least once a month with a vacuum, brush, or clean cloth.
- Clean with a commercial condenser coil cleaner, available from any kitchen equipment retailer.
- Take care not to bend the fins on the condenser.
 - * Brush the condenser fins from top to bottom, not side to side.
- After cleaning, straighten any bent condenser fins with a fin comb.

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CLEANING THE FAN BLADES AND MOTOR

- Clean the fan blades and motor with a soft dry cloth.
- Fan blades only - If soil is resistant, then dampen the cloth with warm water and mild soap to clean the fan blades. Wipe dry with soft cloth.
- Avoid getting the fan motor wet - to prevent moisture damage, cover motor.

CLEANING THE INTERIOR OF UNIT

- When cleaning the cabinet interior, use a solvent of warm water and mild soap.
- **DO NOT** use steel wool, caustic soap, abrasive cleaners, or chlorine-based cleaners and sanitizers that may damage the stainless steel surface.
- Clean door gaskets on a weekly basis.
 - * Door gaskets should be thoroughly wiped down, including the sides, weekly.
 - * Check door gaskets for proper seal after they are cleaned.
- Periodically, clean and wipe down the shelves with mild soap and warm water.

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TROUBLE SHOOTING

- Before requesting any service on your unit, please check the following points. Please note that this guide serves only as a reference for solutions to common problems.

PROBLEM	CORRECTIVE ACTION
COMPRESSOR WILL NOT START	Check that the power cord is plugged in
	Check for blown fuse
	Move the unit away for direct sunlight or equipment that generates heat.
	Ensure that the unit is in a well ventilated area with a minimum clearance of 6".
	Check the condenser, and clean if necessary.
	Check if there is a blockage in the air duct.
	Check that the temperature controller is set correctly.
	Check to see if refrigerant charge is low.
	Ensure that the door is completely closed.
POOR PERFORMANCE	Turn off the light switch, then turn it on again.
	Ensure that the bulb is properly installed in the socket.
	Check to see if the bulb needs to be replaced.
NOISY UNIT	Ensure that the unit is installed on a flat sturdy surface.
	Check that there is at least a 6" clearance from the wall.
	Check for any loose parts or mounting.
	Ensure the tubing is free from any contact that would cause rattling.
CONDENSATION ON CABINET AND/OR FLOOR	Reduce the humidity in the surrounding area.
	Ensure that the gasket on the door or head is creating a proper seal. Gasket may need to be repaired or replaced.

RETAIN THIS MANUAL FOR FUTURE REFERENCE

- Please read the entire manual carefully before installing and operating. If certain recommended procedures are not followed, warranty claims will be denied.

MODEL#:	SERIAL#:	PURCHASE DATE:

Notice: We reserve the right to make changes in design and specifications without prior notice.

REFRIGERATION 2/5 WARRANTY

Beverage Center: Back Bar Coolers & Bottle Coolers • Drink Dispenser: Beer Dispensers • Freezer: Reach-Ins, Undercounters
• Frozen Treat: Dipping Cabinets • Ice: Commercial Ice Makers •
Refrigerator: Chef Bases, Deli Cases, Glass Froster, Merchandisers, Prep Tables, Reach-Ins, Undercounters

TWO (2) YEAR LIMITED WARRANTY PARTS AND APPROVED STRAIGHT-TIME LABOR, FIVE (5) YEAR WARRANTY COMPRESSOR AND EVAPORATOR

(subject to limitations below)

The Legacy Companies (the "Company") warrants this product (the "Product") will be free from defects in material and workmanship under normal use and service as specified by the Company for duration of:

- Two (2) Year Limited Warranty on Parts and Approved Straight-Time Labor
- Five (5) Year Parts-Only Warranty on Compressor and Evaporator. Extended coverage excludes labor, refrigerant, driers, tubing, recovery costs, and related service expenses unless expressly stated otherwise.

This Limited Warranty is non-transferable.

During the Warranty Period, your exclusive remedy is repair or replacement without charge of the Product or any component found to be defective at the Company's discretion. If the Product or any component is no longer available, the Company will replace it with a similar one of equal or greater value.

The Warranty Period begins on the earliest of: (a) documented installation date; (b) date of purchase; or (c) date of shipment from the Company. In all cases, the Warranty Period shall not begin later than six (6) months after shipment.

The obligation of the Company under this warranty is limited to the repair or replacement, at the Company's sole discretion, of defective parts or assemblies that are reported during the Warranty Period and determined by the Company to be defective but excluding all labor charges (except as provided in the next paragraph).

The Company will cover approved straight-time labor only, performed during normal business hours, for covered defects reported within the applicable labor warranty period. Labor coverage excludes overtime, premium rates, travel exceeding one hundred (100) miles round-trip, multiple service trips, and access delays.

Costs expressly excluded from this warranty include, but are not limited to:

- Adjustments
- Cleaning and/or sanitizing
- Consumable/wearable items, such as gaskets, filters, light bulbs, legs, casters, hinges, non-stick cooking surfaces, etc.
- Labor to remove and/or install replacement equipment
- Disposal of defective equipment
- Improper or inadequate utility connections, including but not limited to:
 - * Voltage outside of data plate specifications
 - * Improper gas pressure
 - * Improper gas supply
 - * Water pressure outside of specified range
 - * Poor water quality
 - * Non-use or incorrect use of water filtration system
- External drain malfunction.
- Adverse operating conditions as set forth in the owner/user manual for the product.
- Non-authorized modification of the product.
- Improper installation of the product, including installation in a hostile environment
- Improper maintenance, abuse or misuse of the product.
- Causes beyond the reasonable control of the Company, including without limitation fires, freezing, floods and other natural disasters.
- Damage during transit.

No warranty shall apply to any product on which the model or serial number has been altered or removed. Adjustments or modifications to any equipment manufactured by the Company are not covered by this warranty.

This Warranty only extends to the original owner/end user and is not transferable or applicable to products sold through unauthorized channels.

This Warranty covers installations for Commercial use only. Installation or use in any residential or non-commercial setting voids all warranty coverage.

This warranty applies to the original installation location only.

IMPORTANT INSTALLATION NOTICE: Equipment installed outdoors or in mobile or non-permanent environments (including food trucks, trailers, RVs, or boats) is limited to a thirty (30) day warranty unless expressly approved in writing by the Company.

All warranty requests are to be made through the Company's Warranty and Technical Service team. All warranty requests shall include the product model and serial number, original installation date and/or Proof of Purchase, photo of the equipment serial number data plate and complete customer identification and location.

Replacement parts may be new or rebuilt at the Company's discretion and are warranted for the longer of ninety (90) days or the remaining original Warranty Period. Company and its agents are expressly permitted to specify rebuilt parts as suitable replacement parts. All replacement parts must be approved Company parts obtained through the Company or a Company approved parts distributor.

THIS WARRANTY IS IN LIEU OF ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, PERFORMANCE, OR OTHERWISE, WHICH ARE HEREBY EXCLUDED. IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY DAMAGES, WHETHER DIRECT, INDIRECT, INCIDENTAL, FORESEEABLE, CONSEQUENTIAL, OR SPECIAL ARISING OUT OF OR IN CONNECTION WITH THIS PRODUCT INCLUDING DAMAGES ARISING FOR LOSS OF PROFIT, FOOD OR BEVERAGE SPOILAGE CLAIMS, OR OTHER COMMERCIAL LOSS.

You may have other legal rights depending upon where you live. Some States or Provinces do not allow limitations on warranties so the foregoing may not apply to you.