

ARCTIC 10.6 CU. FT. 12V(DC) RV REFRIGERATOR ARCTIC 10,6 PI. CU. RÉFRIGÉRATEUR 12 V (CC) VR

MODEL/MODÈLE (LIPPERT PN):

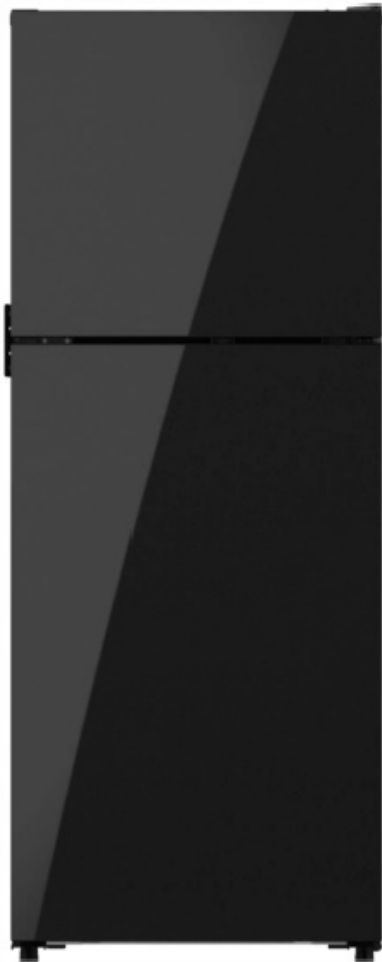
FCR11DCGTA-BG-LHH (2023136439)

FCR11DCGTA-BG-RHH (2023136440)

FCR11DCGTA-SG-LHH (2023136437)

FCR11DCGTA-SG-RHH (2023136438)

INSTRUCTION MANUAL MANUEL D'INSTRUCTION



Glass Black
Gire de couleur noire



Glass Stainless Steel
Vitre en acier inoxydable

* Picture shown here is for reference only.

* L'image présentée ici n'est utilisée qu'à titre de référence.

Thank you and congratulations on purchasing this Furrion product. Before operating your new product, please read these instructions carefully. This instruction manual contains information for safe use, installation and maintenance of the product.

Please keep this instruction manual in a safe place for future reference. This will ensure safe use and reduce the risk of injury. Be sure to pass on this manual to new owners of this product.

The manufacturer does not accept responsibility for any damages due to not following these instructions.

Table of Contents

Table of Contents	1
Important Safety Instructions	2
Features and Parts	4
Preparation and Installation	5
Refrigerator Unit Preparation	5
Site Preparation and Installation	5
Functions and Operation	8
Operational Instructions.....	9
Maintenance and Cleaning	10
Troubleshooting	11

Important Safety Instructions



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your refrigerator.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your refrigerator.

WARNING

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use your refrigerator near water.
6. Clean only with a damp cloth.
7. Do not block any ventilation openings. Follow installation process from manufacturer's instructions.
8. Do not install near any heat sources, such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Refer all servicing to qualified service personnel. Servicing is required when your refrigerator has been damaged in any way, such as spilled liquid, objects falling onto the refrigerator, your refrigerator being exposed to rain or moisture, or the refrigerator does not operate properly.
10. To reduce the risk of fire or electric shock, do not expose your refrigerator to rain, moisture, dripping or splashing. No objects filled with liquids should be placed on top of the refrigerator.
11. Your refrigerator is not intended for use by any person (including children) with reduced physical, sensory or mental capabilities or lack of experience or knowledge, unless given supervision or instruction concerning use of your refrigerator by a person responsible for their safety.
12. Children should be supervised to ensure that they do not play with your refrigerator.



ELECTRIC SHOCK HAZARD

Failure to follow these instructions may result in electric shock, fire or death.

1. **WARNING** - Keep ventilation openings, in both your refrigerator and the build-in structure, clear of obstruction.
2. **WARNING** - Do not touch the interior of your refrigerator with wet hands. This could result in frostbite.
3. **WARNING** - Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
4. **WARNING** - Do not damage the refrigerator circuit.
5. **WARNING** - Do not damage the refrigerant tubing when handling, moving or using your refrigerator.
6. **WARNING - DANGER** - Never allow children to play with, operate or crawl inside your refrigerator.

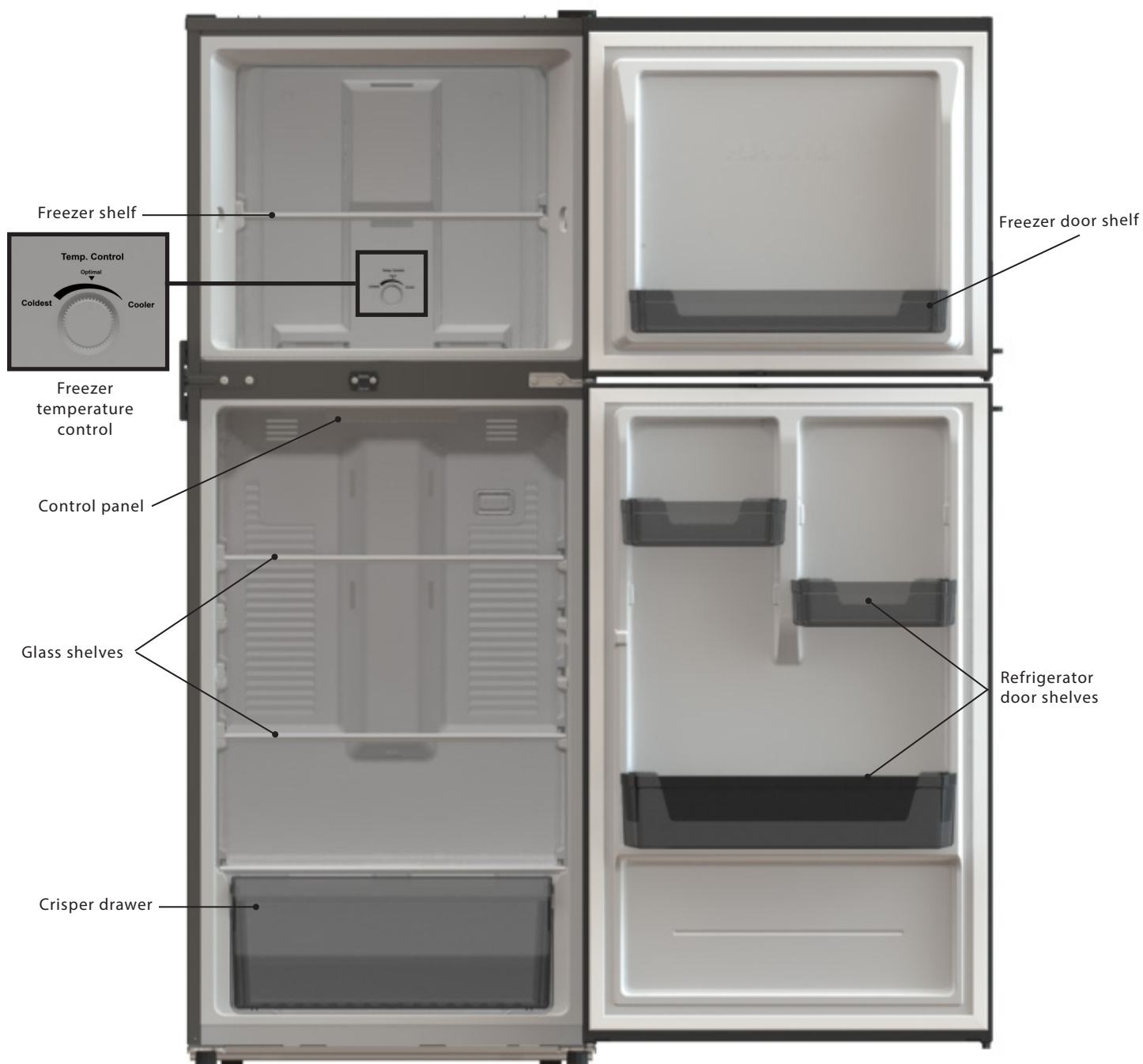
Risk of children entrapment. Before your throw away your old refrigerator:

Remove the electrical connection wiring and also ensure that the doors are removed and leave the shelves in place to prevent children from being trapped inside - DANGER OF SUFFOCATION!

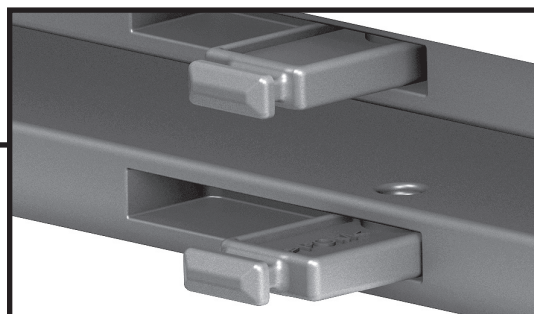
7. **WARNING** - Do not use electrical appliances inside the food storage compartments of the refrigerator unless they are of the type recommended by the manufacturer.
8. Maintenance - Disconnect the power source (e.g. by turning off the battery main disconnect switch or by removing the corresponding fuse in the fuse box) from your refrigerator before carrying out user maintenance on it.
9. If a component part is damaged, it must be replaced by the manufacturer, its service agent, or similar qualified persons to avoid a hazard.
10. Follow local regulations regarding disposal of your refrigerator due to flammable refrigerant and gas. All refrigeration products contain refrigerants, which under the guidelines of federal law must be removed before disposal. It is the consumer's responsibility to comply with federal and local regulations when disposing of this product.
11. Do not store explosive substances such as aerosol cans with a flammable propellant in this device.
12. This appliance is intended to be used in the recreational vehicle.
13. When user cannot open the door at one side, please check if the other side of the door is fully closed. Users are only allowed to open the door when one side is fully closed.
14. This appliance is intended to be used in household and similar applications such as:
 - staff kitchen areas in shops, offices and other working environments;
 - farmhouses and by clients in hotels, motels and other residential type environments;
 - bed and breakfast type environments;
 - catering and similar non-retail applications;
 - inside recreational vehicles, trailers or trucks.

Features and Parts

English



Winterization locks



Preparation and Installation

Refrigerator Unit Preparation

1. Packaging:

Remove all packaging, including the foam backing at the bottom of the refrigerator, and the tape fixing accessories in the box.

2. Standing time:

Place the refrigerator in a proper up-right position for more than one hour before connecting power to ensure refrigerant settling for its normal operation.

3. Cleaning:

Make sure the accessory parts inside the refrigerator are present and the inside is wiped with a soft cloth. Remove all fixing materials and tape before using the refrigerator.

Site Preparation and Installation



WARNING: Any electrical work required to install this appliance should be carried out by a qualified or competent person.

All Furrion products referenced in this manual are to be installed in accordance with local and national codes, including the latest editions of the following standards:

USA:

- NFPA 1192
- NFPA 70
- ANSI/RVIA Low Voltage

Canada:

- CSA Z240
- C22.1

1. Power source requirements:

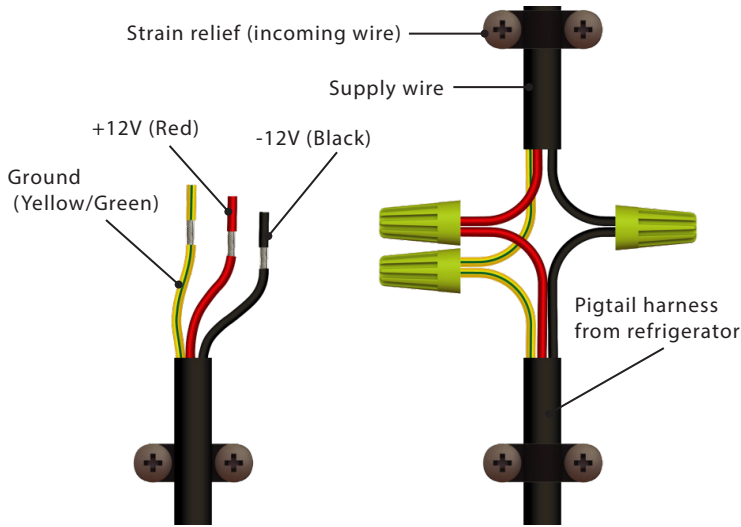
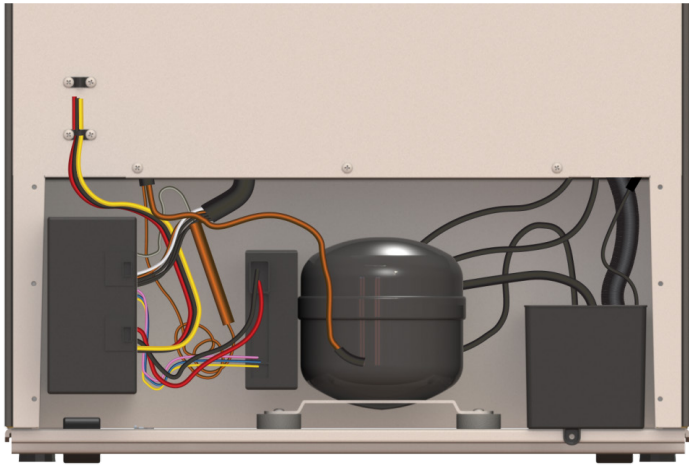
- This appliance is a Class III appliance, which must be supplied by a SEPARATED EXTRA-LOW VOLTAGE nominal 12V power source that is listed to UL 458 and/or C22.2 No. 107.1 standards.
- The circuit must be protected by a 20A fuse between the appliance and power supply main.
- Only an ATC type fuse or manual resettable breaker is allowed. Auto-resetting breakers must not be used. Do not add an additional fuse to the pigtail end of the appliance.

For proper operation of the appliance, follow the wiring table requirements.

Wire Size	The Max Length (Feet)
12 AWG	20 Feet
10 AWG	30 Feet
8 AWG	45 Feet
6 AWG	60 Feet
Remarks	The DC unit is not equipped with a power source. Please purchase a power source from an authorized dealer. For maximum battery performance ensure the voltage drop between each power source (battery & converter) and the refrigerator does not exceed 0.4V DC.

Wire Connection Diagram

- Voltage drop can be reduced by terminating the -12V (Black) lead directly to the vehicle chassis.
 - -12V (Black) and Ground (Yellow/Green) leads can be combined at the appliance or individually terminated.
 - Loosen the strain relief and connector cover.
- NOTE: Verify wire connections with labels on the wires.
- Connect the supply wire to the appliance pigtail wire and tighten down the strain relief to hold the supply wire.



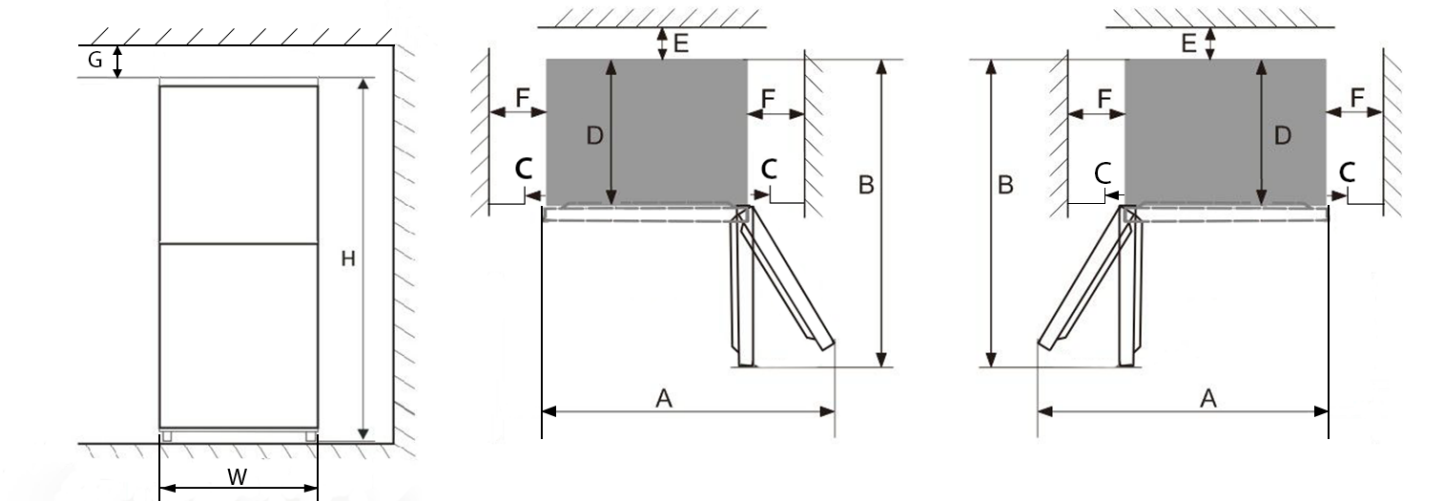
2. Cabinet Clearances:

The position you select for the refrigerator installation should be well-ventilated with minimal hot air. Do not place your refrigerator close to a heat source and avoid exposure to direct sunlight to guarantee optimum refrigerator performance with minimum energy use.

During operation, the unit gives off heat to surroundings. Ensure that there is adequate space between the refrigerator and neighboring walls. The doors must be clear of any obstructions to open freely. Check for full range of motion and any interferences once installed.

Follow the dimension table for adequate clearances:

Product Dimensions			Ref. to Obstructions		Cabinet Clearances			
W	D (without door)	H (top of hinge)	A	B	C (mounting support)	E	F	G (top from H)
23 3⁄8" (594mm)	22 3⁄4" (575mm)	59 5⁄8" (1514mm)	38.0" (965.2mm)	47 1⁄4" (1201mm)	Max 1⁄8" (3.2mm)	Minimum 1.0" (25.4mm)	Minimum 1.0" (25.4mm)	Minimum 5⁄8" (7.9mm)



3. Support Surface:

To ensure proper function, the refrigerator must be placed on a flat, firm and stable surface resting level on four supports. The surface should support twice the weight of the appliance.

4. Fixing the refrigerator to the cabinetry:

The refrigerator can be affixed to the RV cabinetry by installing four #8 or #10 Pan Head type screws (2 1/2" long) where the shank connects into the backer support by 1" (25.4mm). Screw into the holes on the inner compartment, as shown below.



Holes to fix the refrigerator to the cabinet.

Note: Center of mounting hole is 1 1/2" (38mm) from the front edge of the refrigerator cabinet.

To avoid large stress on the side screws, for rear kitchen applications you must use the top brackets (optional item) or use two #8 or #10 Pan Head type screws (2" long) and secure it to the floor via the hole in the bottom hinge plate. For sidewall kitchen applications, or other installations, it is suggested to use one of the two additional mounting methods.

OPTIONAL: Two additional brackets are available to secure the top of the refrigerator to the cabinets, along with hardware screws for attaching to the refrigerator body.

To Change Swing of Door (LH or RH): To change the swing when opening the doors, remove the caps covering the hinge openings and relocate the hinges and hinge locker plate on the other side. Replace hinge caps on the other side. Pry the handles from the door latches while taking care to retain the springs on the active handles. Move the handles to the other side of the refrigerator. Find more details in the online user manual.

NOTE: The top handle will be inverted and used on the opposite bottom, while the bottom handle will be used on the top of the other side of the refrigerator. The handles are tapered and the handles follow the contours of the opening.

5. Fixing the shelves in the refrigerator compartment:

The glass shelves in the refrigerator compartment are affixed in production for safety considerations. The shelves can be adjusted to different heights by removing the two screws that attach the retention bracket. For safety, reattach the retention bracket using the same screws that were removed.

6. Door function:

All doors incorporate a self latching mechanism to retain the doors from opening during travel. Ensure the latches and handles function properly.

7. Leveling:

Make sure to level your refrigerator using the front leveling feet. If not leveled properly, the refrigerator door gasket's sealing performance will be affected, or it may even lead to operating failure of your refrigerator.

8. Power-on:

After completing the standing time requirement, connect the refrigerator to the dedicated power supply in the RV, then the compressor will start working. Open the freezer door after 1 hour to check operation. If the compartment's internal temperature drops significantly, it indicates the refrigeration system is working normally.

Functions and Operation

1. Functions:

Press and hold the "POWER" button for 3 seconds to turn the refrigerator on. The display will illuminate a temperature value 1-5.

1.1 Temperature setting:



Refrigerator: The temperature setting options are 1 to 5, with 5 as the coldest setting. You can toggle through the various temperature settings by pressing briefly the "MODE" button. To activate SUPERFAST cooling mode, press and hold the "MODE" button for 3 seconds. All the five LEDs will turn on.

NOTE: Recommended temperature is 36°-40°F. Temperature setting 3 is normal.

Freezer: The freezer temperature can be adjusted with the internal knob. Turning knob to the left is coldest.

1.2 Power off:

Hold "POWER" button for 3 seconds to turn off the refrigerator for any extended period of non-use. The red power indicator will light up.

1.3 Internal Light:

If the door is open more than 1 minute, the internal light will go out.

2. Battery Monitor:

Normal healthy operating voltage is 10.6V — 14.6V.

Anything above or below may turn the refrigerator compressor off and illuminate the battery alarm icon. See error codes in "Troubleshooting" Pg. 11.

3. Defrosting function:

The defrosting function cannot be deactivated. The defrosting function will run every two to three days.

Operational Instructions

1. Operational Precautions:

- Do not operate the appliance below the operating temperature range for extended periods of time. This might effect the appliance's performance in the long term.
- Internal temperature could be affected by factors like the location of temperature and frequency of door opening, etc.
- Drinks should not be stored in the freezer compartment or the low-temperature compartment.
- Do not cover or block the vents or grills of your refrigerator.

2. Instructions for Food Storage:

2.1 Food storage location:

Due to the cold air circulation in the refrigerator, the temperature of each area in the refrigerator is different so load foods based on the degree of coldness required.

2.2 Use of fresh food compartment:

Set the temperature of the fresh food storage compartment to the desired temperature (at or below 40°F (4°C) for safe storage), and store the foods that are intended for short-term storage, or to be eaten at any time. This is suitable for the storage for foods that do not need to be frozen, but should remain colder, such as cooked food, milk, fruit juice, beer, eggs, and condiments that need cold preservation. The crisper box is suitable for preservation of fruit and vegetables.

2.3 Precautions for food storage:

Before food is put into the refrigerator, it is advisable to seal them to prevent water evaporation. This will help keep fruits and vegetables fresh and help minimize odors.

Do not overload the refrigerator compartment. Keep enough space between foods, if items are too close, the cold air flow will be blocked, thus affecting the refrigeration effect. When storing food, keep a distance away from the inner wall; and do not place water-rich food close to the refrigerator rear wall to avoid food freezing.

Note when food has been added to the refrigerator to minimize food waste and spoilage due to food being kept past its expiration date.

2.4 Use of frozen food compartment:

The freezer temperature should be controlled at or below 0°F, and it is advisable to store the food for long-term preservation in the freezer compartment, but the storage duration indicated on the food packaging should be adhered to. This is suitable for the storage of ice cream, frozen food and any other food that needs to be preserved for a long time.

3. Energy Saving Tips:

- Let hot foods cool to room temperature before placing in the refrigerator.
- Be sure to wrap foods properly, and wipe containers dry before placing them in the refrigerator. This cuts down on frost build-up in the refrigerator.
- Organize and label food to reduce door openings and extended searches.

4. Extended Storage:

- If the appliance will not be used for several months, turn it off first, then disconnect the power source.
- Take out all foods.
- Clean and dry the interior thoroughly. To prevent odor and mold growth, leave the door ajar: block it open or have the door removed, if necessary.
- Before traveling, make sure the stoppers are disengaged and the doors are properly closed.

NOTE: The built-in stoppers (winterization locks-page 4) on the doors may be used to ensure the doors stay open.

- Keep the cleaned appliance in a dry, ventilated place and away from any heat source.
- Do not place heavy objects on the top.

 The unit should not be accessible to child's play.

5. Traveling:

Your refrigerator is designed to operate during normal transportation of your coach. Ensure your refrigerator has reached desired temperature before traveling to prevent excessive discharge of your battery.

Use caution when storing food in the refrigerator while traveling. Heavy and hard-sided containers (glass/metal) may shift and bounce, which could cause damage to the refrigerator or container. It is advised to secure/protect items well or store in a separate container until reaching your destination. Make sure the doors are secured and locked into their position appropriately before departing.

6. Power Supply Interruption:

This refrigerator works on 12V DC power supply (For example, an RV battery). Always estimate the operation time based on your available battery capacity.

To conserve limited supply of power:

The refrigerator has an off-grid setting 2, which optimizes the energy usage efficiency. Consider using overnight, when usage is low and replenishing power is not available.

If you are aware of an upcoming power outage:

- Adjust the temperature to the coldest setting an hour in advance so that the food will get frozen (do not store new items at this time). Reset the temperature mode to normal when power returns in a timely manner.
- You can also make ice in a watertight container in advance and use it in the upper part of the freezer to help the food items stay fresh longer.

The refrigerator is equipped with a battery monitor. Refer to the "Functions" section for more information. In the event of an Under Voltage alarm:

- Look for available alternative power sources in the area.
- Check your battery power charging systems for faults. (Example: Solar panel system, distribution panel or converter.)

In the event of power supply interruption:

- Take care of the frozen food stored in the refrigerator.
- Try not to open the refrigerator door many times to preserve the cold air inside and keep the food fresh longer.

7. Adjusting the Shelf (Optional):

WARNING: To avoid the possibility of child entrapment, do not remove any shelf from the refrigerator. Shelving is intended to prevent children from playing in the compartment area. The shelves are fixed in the compartments at the factory. The shelves can be adjusted with the following instructions:

- Open the compartment door.
- Loosen the fixing screw using a Phillips No. 2 screwdriver.
- Pull to remove the shelf out from its original position.
- Slide the shelf into an appropriate position and fix the shelf locker with the screw.

Maintenance and Cleaning

 **Do not use hands to clean under the base of the refrigerator to avoid harm from sharp metal edges.**

1. Internal and External Cleaning

Any food residue in the refrigerator is liable to produce bad odors, so the refrigerator must be cleaned regularly. The refrigerator food compartment should be cleaned at least once a month.

Remove all shelves, crisper, bottle racks, cover board and drawers, etc. and clean them with a soft towel or sponge dipped in warm water or neutral detergent.

Clear off any dust accumulated on the rear panel and side plates of the refrigerator often.

After using detergent, be sure to rinse it with clean water, and then wipe it dry.

 **Do not use bristle brush, steel wire brush, detergent, soap, alkaline detergent, benzene, gasoline, acid, hot water or any other corrosive or soluble items to clean the cabinet surface, door gasket, plastic decoration parts, etc. to avoid damage.**

Carefully wipe dry the door gasket and clean the groove. After cleaning, fix the four corners of the door gasket first and then embed it segment by segment into the door groove.

2. Shelf and Crisper Removal

- **Refrigerator Shelf** - When removing the shelf, lift it up first and then pull it out; when installing the shelf, place it into position before putting it down. Keep the shelf rear flange upward, to prevent food from contacting the liner wall. When taking out or putting in the shelf, hold it firmly and handle with care to avoid damage.
- **Crisper** - After using or cleaning the crisper cover, be sure to put it back onto the crisper so that the internal temperature of the crisper will not be affected.

3. Defrosting

This appliance is designed with an automatic defrosting function, thus no manual defrosting is required.

4. Cleaning the Lamp

The LED lamp is used by the refrigerator for lighting, which features low energy consumption and long service life. In case of any abnormality, please contact the after-sales service.

Troubleshooting

Hard Reset

Prior to replacing components or performing **ANY** troubleshooting or service on the 12V refrigerator, a hard reset must be performed. A hard reset includes removing shore power, battery power and solar power.

QR-182: <https://lci-support-doc.s3.amazonaws.com/qc/ccd-0008369.pdf>

Scan Video
QR Code:



Video link: [How to Hard Reset a Furrion Refrigerator](#)

Error Codes

Error Code	Display panel lights up	Failure description
E13	LED 1 and 3 blinks	Temperature sensor in refrigerator compartment is defective
E14	LED 1 and 4 blinks	Temperature sensor in freezer compartment is defective
E2	LED 2 blinks	Fan inside freezer compartment is defective
E1	LED 1 blink	Voltage on compressor is too low or too high
E3	LED 3 blinks	Compressor motor is stuck or too high pressure in system
E4	LED 4 blinks	Compressor runs with the wrong speed
E5	LED 5 blinks	Compressor inverter is too hot
E12	LED 1 and 2 blinks	Compressor inverter hardware failure
EL	"BATTERY" icon flashes slow	Input voltage to refrigerator is low between (9.1V and 10.6V)
EH	"BATTERY" icon flashes fast	Input voltage to refrigerator is too high (> 17V)

You can solve many common refrigerator problems easily, avoiding the need for a service call. Try the suggestions below to see if you can solve the problem before calling for service.

Trouble Symptom	Possible Reason	Solutions
No power	- Power source connection is OK? - Are breakers and fuses broken? - No electricity or line trip?	- Check power wiring connection. - Check lamp working status. - Replace fuse.
Abnormal noise	- Is refrigerator stable? - Is the refrigerator making contact with the wall?	- Adjust refrigerator's leveling feet. - Keep proper space between the refrigerator and walls.
Insufficient cooling	- Did you put hot food or too much food inside? - Do you open the door often? - Is the door gasket making a good seal? - Is it in direct sunlight or near a heat source? - Is it well-ventilated? - Temperature setting too high?	- Put food into the refrigerator after hot food becomes cool. - Check and close the door to ensure a good seal. - Remove the refrigerator from the heat source. - Maintain good ventilation space. - Set to the appropriate temperature.
Peculiar odor	- Any spoiled food? - Any dirt inside? - Any strongly flavored food inside?	- Throw away spoiled food. - Clean the refrigerator. - Pack food properly to minimize odor.
Not cooling	- Are indicator lights "2" and "3" on? - Is the "Power Off" function activated? - Low coolant?	- Press the corresponding key to exit the "Power Off" function. - Please call customer service. Note: The amount of refrigerant charged for the unit can be found on the rating label.
Compressor fault	Does the battery have sufficient power?	- Check if the battery power falls below 9V, which may lead to the compressor under voltage protection. Charge or replace the battery if necessary. - Check if the battery power is high, above 11V, or the battery with sufficient power has been replaced. Wait for 5 minutes to observe whether it can return to normal. If not, please contact the after-sales personnel for service.



Note: If the above descriptions are inapplicable to troubleshooting, do not disassemble and repair it yourself. Repairs carried out by inexperienced persons may cause injury or serious malfunctioning. Contact the local store where your purchase was made. This product should be serviced by an authorized technician and only genuine parts should be used.

When the refrigerator is not in use for long periods:

- Disconnect from the power source.
- Empty the refrigerator and clean and dry the interior.
- Keep doors open to prevent unpleasant odors. Use built-in door stoppers or prop open.
- Do not place heavy objects on top and do not leave unit accessible to children.

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