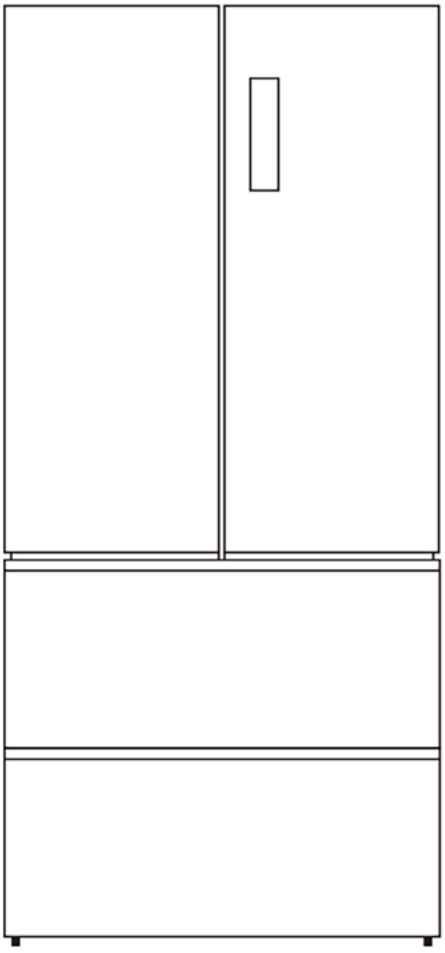
Everchill®

BY FURRION

16.2 CU. FT. 12V BUILT-IN VEHICLE FROST-FREE REFRIGERATOR-FREEZER

MODEL (LIPPERT PN)
SRM-418CBG-E (2022302237)
SRM-418CBG-ES (2023001029 OR 2022302100)

TROUBLESHOOTING AND SERVICE MANUAL



* Picture shown here is for reference only.

This manual contains the product's basic information, safety, maintenance, replaceable parts, fault diagnosis and basic troubleshooting procedures.

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Introduction

This document provides an overview on replaceable parts for Everchill® 16.2 Cu. Ft. 12V DC Built-in Vehicle Frost-Free Refrigerator-Freezer, as well as basic troubleshooting and service information.

NOTE: Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ. For more detailed operation, including general safety instructions, warnings and cautions, see Instruction Manuals at: https://support.lci1.com/documents/ccd-09298 or scan this QR code:

CCD-0009298

Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels.

This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the Lippert limited warranty.

⚠WARNING

The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury if not performed safely and within the parameters set forth in this manual.

⚠WARNING

Failure to follow instructions provided in this manual may result in death, serious personal injury and/or severe product and property damage, including voiding of the component warranty.

⚠CAUTION

The "CAUTION" symbol above is a sign that a safety risk is involved and may cause personal injury and/or product or property damage if not safely adhered to and within the parameters set forth in this manual.

⚠ CAUTION

Always wear eye protection when performing service, maintenance or installation procedures. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the task.

Important Safety Instructions

⚠ CAUTION

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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.

Precautions/Warnings

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

Electric Shock Hazard





RISK OF FIRE

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

1. Keep ventilation openings, in both your refrigerator and the built-in structure, clear of obstruction.
2. Do not touch the interior of your refrigerator with wet hands. This could result in electric shock.
3. Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
4. Do not damage the refrigerant circuit.

5. Do not damage the refrigerant tubing when handling, moving, or using your refrigerator.
6. DANGER-Never allow children to play with, operate, or crawl inside your refrigerator.

Risk of child entrapment. Before you throw away your old refrigerator:

- Take off the door.
- Leave the shelves in place so that children may not easily climb inside.

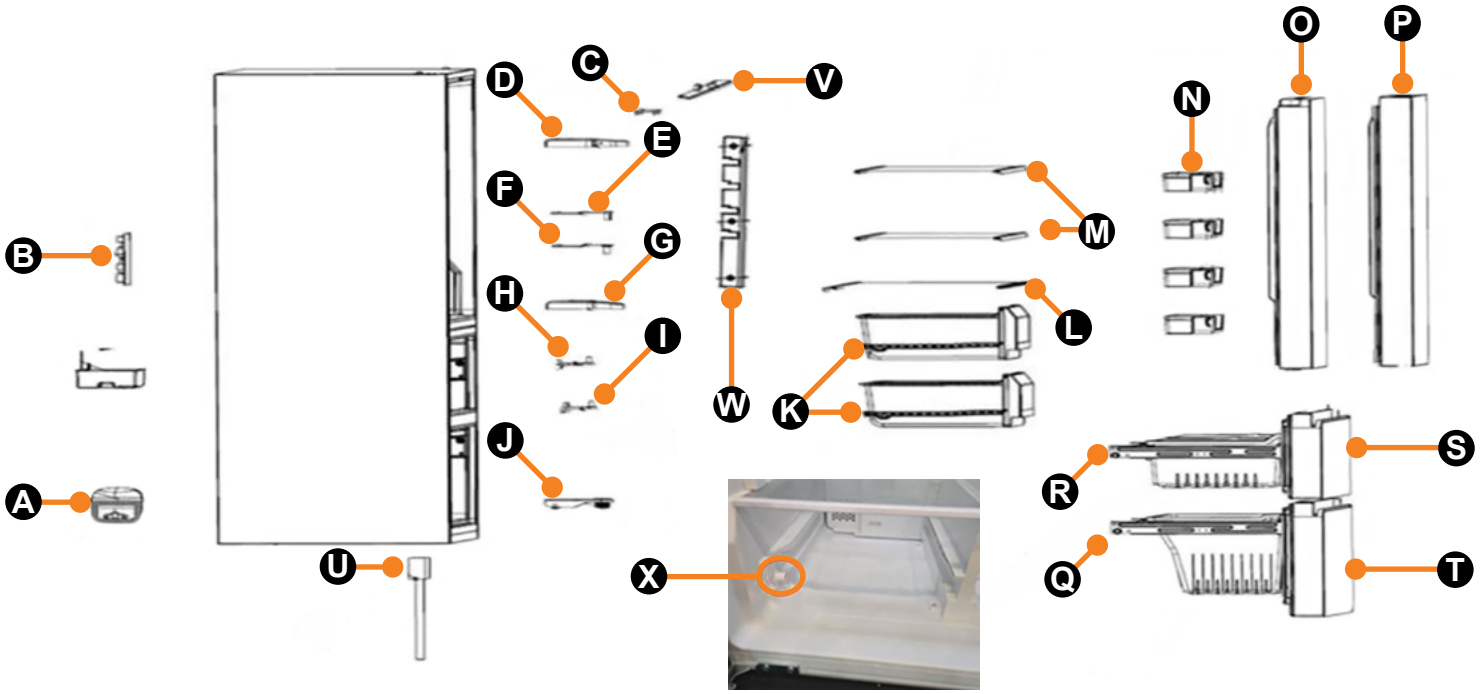
7. Do not use electrical appliances inside the food storage compartments of the appliance unless they are of the type recommended by the manufacturer.
8. To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.
9. Disconnect power source from your refrigerator before carrying out user maintenance on it.
10. If a component part is damaged, it must be replaced by the manufacturer, its service agent, or similar qualified persons in order to avoid a hazard.
11. 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.
12. Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
13. This appliance is intended to be used in a recreational vehicle.
14. Disposal of your old appliance: By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information, please contact your local city office, your household waste disposal service or the shop where you purchased the product.
15. If the SUPPLY CORD is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
16. There is a power switch for the refrigerator. Before any maintenance, please disconnect the switch.

Cleaning and Maintenance

⚠ When cleaning, Do not reach into the bottom of the refrigerator. Sharp metal corners may cause injury.

- 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 powder, alkaline detergent, benzene, gasoline, acid, hot water and other corrosive or soluble items to clean the cabinet surface, door gasket, plastic decorative parts, etc., so as to avoid damage.
- Carefully wipe dry the door gasket and clean the groove. To replace the door gasket, first affix the four corners, and then gently press the gasket into the door groove segment by segment.
- Take care of frozen foods in the event the refrigerator is off for an extended period of time (such as power interruption or refrigerating system failure).
- Try to open the refrigerator door as little as possible, this way food can safely and freshly be kept for hours even in hot summer.

Replaceable Parts List



Callout	Part #	Description	Model
A	2023001037	Compressor Board	ALL
B	2023021300	12V PCB Board	ALL
C	2023021302	LED Lamp Cover	ALL
D	2023001031	Upper Door Hinge Cover Assembly, Right-hand	ALL
E	2023001032	Upper Door Hinge, Right-hand	ALL
F	2023001033	Upper Door Hinge, Left-hand	ALL
G	2023001030	Upper Door Hinge Cover Assembly, Left-hand	ALL
H	2023001035	Middle Door Hinge, Right-hand	ALL
I	2023001034	Middle Door Hinge, Left-hand	ALL
J	2023021305	Lower Door Hinge Assembly	ALL
K	2023001042	Crisper Drawer	ALL
L	2023001043	Crisper Drawer Glass Cover	ALL
M	2023001041	Glass Shelf	ALL
N	2023001038	Door Shelf Insert	ALL
O	2022302057	Door Assembly, Black Glass, Left-hand	SRM-418CBG-E
	2022302185	Door Assembly, Dark Stainless Steel Glass, Left-hand	SRM-418CBG-ES
	2023048214	Door Assembly, Stainless Steel Glass, Left-hand	
P	2022302110	Door Assembly, Black Glass, Right-hand	SRM-418CBG-E
	2022302173	Door Assembly, Dark Stainless Steel Glass, Right-hand	SRM418CBG-ES
	2023048215	Door Assembly, Stainless Steel Glass, Right-hand	
Q	2023001040	Lower Freezer Drawer	ALL
R	2023001039	Upper Freezer Drawer	ALL
S	2022302198	Upper Freezer Drawer Assembly, Black Glass	SRM-418CBG-E
	2022302087	Upper Freezer Drawer Assembly, Dark Stainless Steel Glass	SRM418CBG-ES
	2023048216	Upper Freezer Drawer Assembly, Stainless Steel Glass	

Callout	Part #	Description	Model
T	2022302197	Lower Freezer Drawer Assembly, Black Glass	SRM418CBG-E
	2022302086	Lower Freezer Drawer Assembly, Dark Stainless Steel Glass	SRM418CBG-ES
	2023048217	Lower Freezer Drawer Assembly, Stainless Steel Glass	
U	2022451377	Fan Assembly, Freezer	ALL
V	2023022849	LED Light	ALL
W	2023022850	Shelf Retainer	ALL
X	2025068277	Crisper Drawer Stopper Knob	ALL

Troubleshooting

What Is Happening?	Why?	What Should Be Done?
Refrigerator is not turning on.	Is the power source connected?	Refer to the wiring diagram, check the power connection.
	Are breakers and fuses broken?	Open the door and check if the light turns on.
	No electricity or fuse trip?	Check fuse.
Abnormal noise.	Is refrigerator stable?	Adjust refrigerator's leveling feet.
	Does refrigerator contact the wall?	Move refrigerator off the wall.
Poor refrigerating efficiency.	Do you put hot food in the refrigerator or is the refrigerator packed too full?	Wait for food to cool before placing it in the refrigerator. Do not over-pack the refrigerator. Cold air must be able to properly circulate in order to improve refrigerator efficiency.
	Do you open the door frequently?	Keep the door closed as often as possible.
	Is the door gasket sticking or damaged?	Clean or replace the door gasket.
	Direct sunlight or near a furnace or stove?	Remove the refrigerator from the heat source.
	Is it well-ventilated?	Clear the space around the refrigerator to maintain good ventilation.
	Is the temperature setting too high?	Set refrigerator to the appropriate temperature.
Peculiar smell in refrigerator.	Any spoiled food?	Throw away spoiled food.
	Do you need to clean refrigerator?	Clean refrigerator.
	Have you stored food with strong odors?	Pack food with a strong odor in airtight containers.
The light is not working.	Is the light damaged?	Replace the LED light.
	Has the door been open too long?	The control system has disabled the lights due to the door being kept open too long. Close and reopen the door to reactivate the lights.

What Is Happening?	Why?	What Should Be Done?
Compressor fault.	Does the battery have sufficient voltage?	If the battery power ever falls below 9V, this may lead the compressor into under-voltage protection mode. Error Code LU may display in Fault mode. Verify battery voltage. Charge or replace the battery if necessary.
		If the battery power is ever too high (above 11V), the compressor may fault into over-voltage protection mode. Error Code OU may display in Fault mode. When over-voltage is observed, wait 5 minutes to see if the error clears and the voltage returns to normal. If the battery will not return to its normal voltage, please contact Lippert customer service for assistance.

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. This product should be serviced by an authorized engineer and only genuine spare parts should be used.

Error Codes

Error codes display as the following when the refrigerator is in Fault mode:

Error Code	Error Type
UC	Communication failure or model mismatch
RS	Sensor failure (refrigerator cavity)
CS	Sensor failure (crisper drawer)
FS	Sensor failure (freezer cavity)
FD	Defrosting sensor failure
FF	Fan failure
ES	Failure of ambient temperature sensor
LU	Under-voltage alarm
OU	Over-voltage alarm

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