

RV 24" 3-BURNER GAS RANGE

MODEL (LIPPERT PN)

FGR24D3A1A-SS (2021135689)

FGR24D3A1A-BL (2022119473)

CHEF COLLECTION TROUBLESHOOTING AND SERVICE MANUAL



* Picture shown here is for reference only.

* L'image présentée ici n'est qu'une référence.

This manual contains the product's basic information, operation instructions, fault diagnosis and basic troubleshooting methods. In order to better understand and use this product, please take good care of this manual, and read it carefully.

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Introduction

This document provides an overview on replaceable parts for Furrion® Chef Collection RV 24" 3-Burner Gas Range, 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 Manual at: <https://support.lci1.com/documents/ccd-0005506>

or scan this QR code:



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.

Safety Precautions

WARNING

If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

Do NOT store or use gasoline or other flammable vapors or liquids near this or any appliance.

What to do if you smell gas:

- Do NOT try and light any appliance.
- Do NOT touch any electrical switch.
- Do NOT use any phone in your recreational vehicle.
- Clear the recreational vehicle of all occupants.
- Turn off gas supply tank valve(s) or main gas supply.
- From a safe distance from the gas smell, immediately call your gas supplier for instructions.
- If you cannot reach your gas supplier, call the fire department.
- Have a gas system checked and leakage source corrected by a qualified installer, service agency, manufacturer of dealer or the gas supplier.

Follow all instructions before using this appliance to prevent the potential risk of fire, electric shock, personal injury or damage to the appliance as a result of improper usage of the appliance. Use appliance only for it's intended purpose as described in this guide.

If an external electrical source is utilized, the appliance must be electrically grounded in accordance with state or other codes or, in the absence of such codes, with the National Electrical Code (AN51/NFPA70). Do not attempt to adjust, repair, service, or replace any part of your appliance unless it is specifically recommended in this guide. Other services should be referred to a qualified service technician.

Warning and important safety instructions appearing in this guide are not meant to cover all possible conditions and situations that may occur. Common sense, caution, and care must be exercised when installing, maintaining, or operating the appliance. Always contact the manufacturer about problems or conditions you do not understand.

Safety Instructions

To reduce risk of tipping of the appliance from abnormal usage or by excessive loading of the oven door.

- Your appliance should be installed by a qualified technician in accordance with state and local laws.
- Never modify or alter the construction of a range by removing leveling legs, panels, anti-tip brackets/screws, or any other part of the product.

Do NOT store items of interest to children in the cabinets above a range. Children climbing on the range to reach items could be seriously injured.

WARNING

NEVER use this appliance as a space heater to warm a room. Doing so may result in carbon monoxide poisoning and overheating the oven.

⚠ WARNING

NEVER cover rear vent on range, or internal cavity holes.

- The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2psi (3.5 kPa).
- The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2psi (3.5 kPa).

Pressure Check

1. Turn LP gas off to the appliance.
2. Remove the Screw with the sealing gasket from the pressure test port on the range. (Fig. 1)

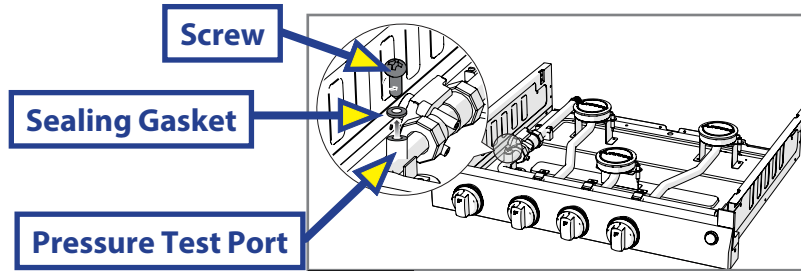


Fig. 1

3. Using the rubber tube from the pressure check measuring device, slide the rubber tube down over the gas pressure test port. The rubber tube should seal around the pressure test port on the range.
4. Turn on the LP gas to the appliance.
5. The pressure gauge tester should measure between 10" WC to 13.8" WC. (Fig. 2)

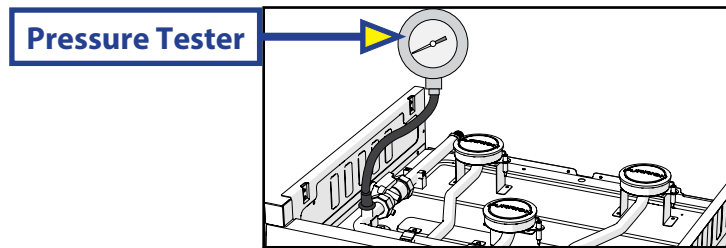


Fig. 2

6. Turn off the LP gas to the appliance.
7. Remove the rubber tube of the pressure check measuring device.
8. Replace the screw with the gasket from step 2. Before replacing the screw, inspect the rubber gasket seal for any signs of damage. Replace seal if damaged.
9. Tighten the screw to 1.3 Nm to 1.7 Nm.

NOTE: Ensure the product is gas leak checked after the pressure check test is completed by also testing the pressure check port screw. If any leaks are detected around the pressure check port screw and gasket, a new one can be purchased. Call Furrion support for a replacement.

Gas Leak Check

Always perform a leak test for possible leaks according to the manufacturer's instructions before any operation. Pressure/Leak test using 11-13.8 WC pressure.

WARNING

Extinguish all open flames. NEVER Leak test when smoking. Do not use the oven until connection has been leak tested and does not leak.

1. Make sure all control knobs are turned to OFF position.
2. Apply a gas leak detection liquid such as soapy water to the connections.
3. Gas leaks will be detected with the presence of bubbles.
4. To stop the leak, tighten the loose joint, or replace the faulty part with a replacement part recommended by dealer.

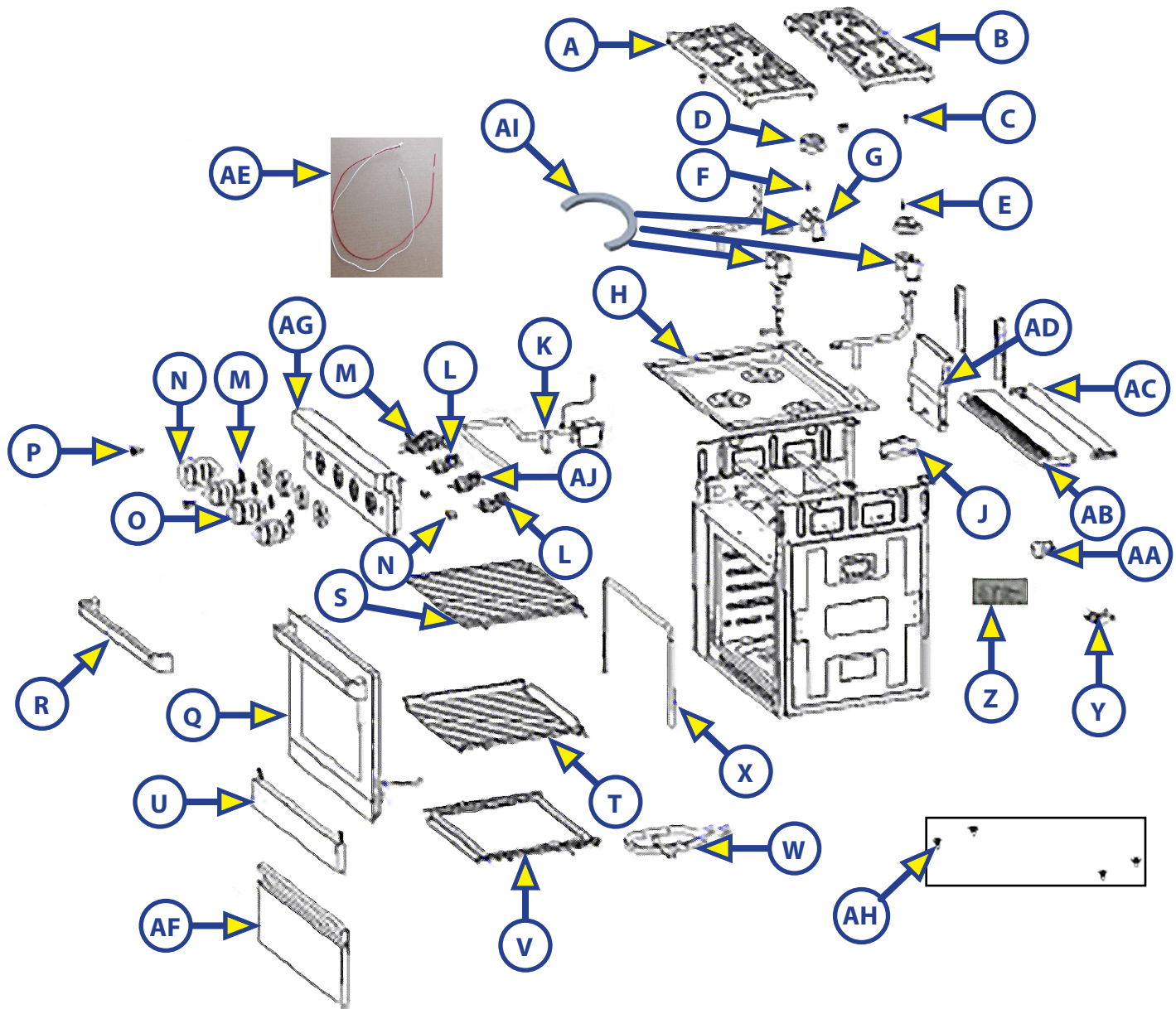
WARNING

Gas leaks may occur in your system and result in a dangerous situation. Gas leaks may not be detected by smell alone. Gas suppliers recommend you purchase and install a UL approved gas detector. Install and use accordance with the manufacturer's instructions.

Cleaning and Maintenance

- Make sure all controls are OFF and the range or cooktop is cool before cleaning.
- Do NOT use oven cleaners, bleach, steel wool or rust removers on the cooktop or burner grates. Only use nonabrasive pads.
- Do NOT obstruct the flow of combustion and ventilation air.
- Keep appliance area clean of combustible materials, gasoline and other flammable vapors and liquids.
- Never use a wire brush or metallic item for cleaning burner ports or orifices. Brush may "shed" bristles that may lodge in the orifice or burner ports and cause a fire or explosion.
- Use warm soapy water only to clean the burner grates, cooktops, painted surfaces, porcelain surfaces, stainless steel surfaces and plastic items on your range or cooktop. Do not use gritty or acid-type cleaners.
- Do NOT allow foods containing acids (such as lemon or tomato juice, or vinegar) to remain on porcelain or painted surfaces. Acids may remove the glossy finish. Wipe up egg spills when cooktop is cool.
- Do NOT wash warm porcelain surfaces. Allow these areas to cool before cleaning. You could burn yourself, or the porcelain could crack.
- Pitting and discoloration will result if spills are allowed to remain for any length of time on stainless steel.
- Do NOT allow spillovers to remain on the burner caps. The caps could become permanently stained.
- When cleaning around the burners, use care to prevent damage to the electrode (if so equipped). If a sponge or cloth should catch the metal igniter electrode, it could damage or break the electrode. If this occurs, the burner will not light.

Replaceable Parts List



Callout	Part #	Description	Model
A	2022120242	Front Cast Iron Grate	FGR24D3A1A-SS
	2022323551	Front Cast Iron Grate (Black Version)	FGR24D3A1A-BL
B	2022120243	Back Cast Iron Grate	FGR24D3A1A-SS
	2022323552	Back Cast Iron Grate (Black Version)	FGR24D3A1A-BL
C	2022120244	Cooktop Grate Holding Gasket	ALL
D	2022120245	Burner Module	ALL
E	2022120246	Thermocouple Assembly with 280mm Long Wire and Brass Nut (For right and middle burners)	ALL
F	2022120247	Thermocouple Assembly with 350mm Long Wire and Brass Nut (For left burner only)	ALL
G	2021124250	Burner Bracket Assembly with 470mm Long Park Ignition Wire and Spring Lock	ALL
H	2022120248	Cooktop Tray	FGR24D3A1A-SS
	2022323553	Cooktop Tray(Enamel)	FGR24D3A1A-BL

Callout	Part #	Description	Model
I	2022120249	Electronic Spark Igniter Module	ALL
J	2022120250	Regulator with Gas Pipe	ALL
K	2022120251	Cooktop Control Valve	ALL
L	2022120252	Oven Control - Thermostat Valve	ALL
M	2022120255	LED PCB (six white LED lamp beads)	ALL
N	2022120256	Oven Control Knob Assembly	FGR24D3A1A-SS
	2022323554	Oven Control Knob Assembly (Knob Black)	FGR24D3A1A-BL
O	2022120257	Cooktop Control Knob Assembly	FGR24D3A1A-SS
	2022323555	Cooktop Control Knob Assembly (Knob Black)	FGR24D3A1A-BL
P	2022120258	Light Switch	FGR24D3A1A-SS
	2022323556	Light Switch (Black)	FGR24D3A1A-BL
Q	2022120259	Oven Door Assembly (oven door with bottom trim + silver handle)	FGR24D3A1A-SS
	2022323557	Oven Door Assembly (oven door with bottom trim + black handle)	FGR24D3A1A-BL
R	2022120264	Handle Assembly (Stainless Steel)	FGR24D3A1A-SS
	2022323558	Handle Assembly (Black)	FGR24D3A1A-BL
S	2021124278	Stainless Steel Rack for Gas Oven	ALL
T	2022120265	Stainless Steel Rack (U shape)	ALL
U	2022120266	Decoration Plate Assembly with Rubber Plugs and Mounting Brackets	FGR24D3A1A-SS
	2022323559	Decoration Plate Assembly with Rubber Plugs and Mounting Brackets (Black)	FGR24D3A1A-BL
V	2022120267	Diffuser Tray Assembly with Bottom Fixed Wire Mesh Holder	ALL
W	2022120268	Chef Range Burner Assembly	ALL
X	2021124372	Door Seal Assembly	ALL
Y	2021124185	Pilot Flame	ALL
Z	2022120269	G4 Halogen Oven Light Bulb 12V 20W	ALL
AA	2021123962	Light Glass Cover	ALL
AB	2022120270	Rear Vent Cover Assembly and Positioning Brackets	FGR24D3A1A-SS
	2022323560	Rear Vent Cover Assembly and Positioning Brackets (Black)	FGR24D3A1A-BL
AC	2022120271	Rear Vent Cover Support	FGR24D3A1A-SS
	2022323561	Rear Vent Cover Support (Black)	FGR24D3A1A-BL
AD	2022120272	Rear Chimney	ALL
AE	2022120273	LED PCB Wire Harness	ALL
AF	2021135688	Drawer Front	FGR24D3A1A-SS
	2022119472	Drawer Front (Black)	FGR24D3A1A-BL
AG	2022120274	Cooktop Console	FGR24D3A1A-SS
	2022323563	Cooktop Console (Black)	FGR24D3A1A-BL
AH	2022323564	Cooktop Grate Holding Gasket Kit (BLACK VERSION)	FGR24D3A1A-BL
AI	2024113795	Cooktop Spark Igniter C Shaped Spacer	ALL
AJ	2023010371	Cooktop Control Valve (middle)	ALL

Troubleshooting

If the oven fails to operate:

1. Check to ensure that the oven is plugged in securely. If it is not, remove the plug from the outlet, wait 10 seconds, and plug it in again securely.
2. Check for a blown circuit fuse or a tripped main circuit breaker. If these seem to be operating properly, test the outlet with another appliance.
3. Check to ensure that the control panel is programmed correctly and the timer is set.
4. Check to ensure that the door is securely closed engaging the door safety lock system. Otherwise, the microwave energy will not flow into the oven.

NOTE: IF NONE OF THE ABOVE RECTIFIES THE SITUATION, THEN CONTACT A QUALIFIED TECHNICIAN. DO NOT TRY TO ADJUST OR REPAIR THE OVEN YOURSELF.

Problem	Possible Causes/Solution
Burners do not light	Ensure gas supply valve is open.
	Burner ports or slots are clogged. With the burner off, use a small-gauge wire or needle to clean ports or slots.
	During the lighting process of the cooktop burner or the oven pilot flame, ensure you hold the knob in for 5 to 10 seconds to ensure the thermocouple is heated.
	Low gas supply level in cylinder.
Burner flame burns half way around	Moisture is present on the burner, dry burner thoroughly.
	Burner ports or slots are clogged. With the burner off, clean ports with a small-gauge wire or needle to clean ports or slots.
Surface burner flame is orange	Dust particles in main line. Allow the burner to operate a few minutes until flame turns blue.
	In coastal areas, a slightly orange flame is unavoidable due to salt air.

Specifications

BTU/HR	Left and Right Burner: 7500 BTU
	Center Burner: 9000 BTU
	Oven: 9500 BTU
Fuel	Propane Gas
Inlet Pressure	10" WCI Min to 13.8" WCI Max
Voltage	DC 12V
Current Input	2A
Inner Volume of the Oven	2.24 cu. ft.
Overall Dimension (W x H x D)	24-3/4" x 25-7/8" x 26-9/16" (6.28 x 6.56 x 6.74mm)

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