FURRION

RV 3-Burner Gas Range

MODEL (LIPPERT PN)
F1S17L02A-BL (2021123699) F1S21L02A-BL (2021123684)
F1S17L02A-SS (2021123643) F1S21L02A-SS (2021123693)
F1S17L03A-BL (2021123591) F1S21L03A-BL (2021123659)

TROUBLESHOOTING AND SERVICE MANUAL



F1S17L02A-BL



F1S17L02A-SS



F1S17L03A-BL

* 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.

TABLE OF CONTENTS

Introduction **2**
Safety **2**
Precautions to Avoid Possible Exposure to Gas or Electrical Hazards 3
Gas Connection Instructions 3
Electrical Connection Instructions 3
Maintenance **3**
Replaceable Parts List **4**
Troubleshooting **7**
Specifications **7**

Introduction

This document provides an overview on replaceable parts for the Furrion® 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 Manuals at: https://support.lci1.com/documents/furrion-rv-3-burner-gas-range-user-manual 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.

Precautions to Avoid Possible Exposure to Gas or Electrical Hazards

1. Do **NOT** operate the appliance if it is damaged or not working properly.
2. Never attempt to repair the appliance yourself. Any repairs to or installation of this appliance **MUST** be performed by a qualified installer, service agency or the gas supplier and in accordance with the instructions in the product's User Manual. Service of the appliance by a non-approved service person or agency could result in failure of the integrity of the appliance and could lead to property damage, serious injury or loss of life.
3. Know where the main gas shut-off valve is located and how to shut it off in an emergency. If uncertain of the gas shut-off valve's location, consult the User's Manual or contact your dealer.

Gas Connection Instructions

If a gas leak is detected, immediately shutoff all range burners and the propane source tank. Contact a qualified serviceman to repair gas leaks.

1. The propane supply line **MUST** have a 3/8" Flare Female connection to the cooktop in the upper left rear corner of the cabinet. If loose, tighten the gas line joint to the cooktop using two wrenches.
2. A pressure gauge tester should measure between 10" WC to 13.8" WC.
3. After pressure test, make sure the test port screw is tightened to 1.3 Nm to 1.7 Nm.
4. A gas leak check is required after the pressure check test has been completed. Make sure to gas-leak-check the test port screw, also.
5. If any leaks are detected around the pressure check port screw and gasket, replace port screw and gasket with new.

Electrical Connection Instructions

Contact a qualified electrician or serviceman to test and/or repair electrical issues.

1. The range **MUST** be connected to 12V DC service only.
2. The range **MUST** be connected only to a protected circuit fused for **NOT** more than 15 Amps.
3. Do **NOT** hi-pot the range unless the electronic ignition system has been disconnected.

NOTE: For additional information about electrical connections, refer to the Wiring Diagram in the Owner's Manual.

Maintenance

During and/or after service/repair work, it may be necessary to clean a soiled area to prevent any damage or discoloring of the range.

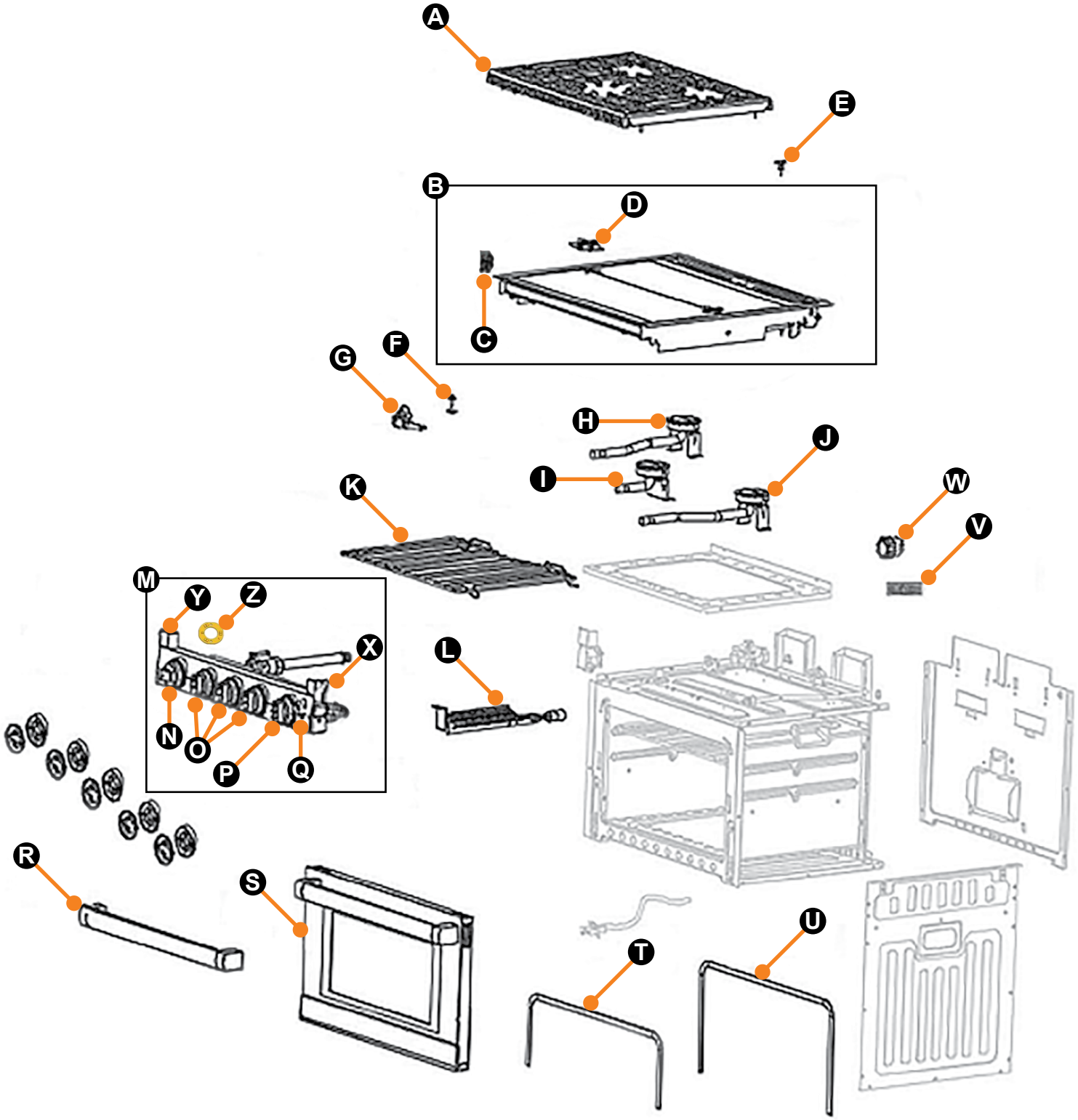
During clean-up:

1. Make sure all control knobs are off and the appliance is cool before cleaning.
2. Make sure all appliance surfaces, burner grates and burners are cool before cleaning or disassembling.
3. 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.
4. Do **NOT** use bleach or rust removers on the cooktop or burner grates.
5. 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.
6. Do **NOT** use grit or acid-type cleaners.
7. Do **NOT** use cleaners with ammonia.

NOTE: Grit, acid-type and ammonia-based cleaners are abrasive and corrosive, which could damage component parts in the range.

8. Use only non-abrasive plastic scrubbing pads.
9. Use warm soapy water only to clean the burner grates, cooktops, painted surfaces, porcelain surfaces, stainless steel surfaces and plastic items on the range or cooktop.
10. Do **NOT** obstruct the flow of combustion and ventilation air.
11. Keep the appliance area clear of combustible materials, gasoline and other flammable vapors and liquids.

Replaceable Parts List



Callout	Part #	Description	Model
A	2022072990	Stamped Grate	ALL
B	2021124174	Top-tray Module, Stainless Steel Trim Kit	F1S17L02A-SS F1S21L02A-SS
	2021124006	Top-tray Module, Black Trim Kit	F1S17L02A-BL F1S21L02A-BL F1S17L03A-BL F1S21L03A-BL

Callout	Part #	Description	Model
C	2021124211	Rubber Front Bumpers	ALL
D	2021124283	Glass Cover Middle Hinge Module (2 hinges per set)	ALL
E	2021124303	Cooktop Grill Holding Gasket	ALL
F	2021124505	Gass Pressure Inspection Screw and Rubber O-ring	ALL
G	2021124253	Piezo Spark Ignitor, 4 Outputs, XD-YD-34 (OBSOLETE - use 2025050307)	ALL
	2025050307	Piezo Spark Ignitor, 4 Outputs, GL-034	ALL
H	2021124193	Left Burner Module (Includes burner, ignitor and bracket)	ALL
I	2021124286	Middle Burner Module (Includes burner, ignitor and bracket)	ALL
J	2021124140	Right Burner Module (Includes burner, ignitor and bracket)	ALL
K	2021124271	Oven Bake Rack	ALL
L	2021124444	Oven Burner	ALL
M	2021124351	Front Panel Module, Stainless Steel (Includes silver knobs and ignitor) (OBSOLETE)	F1S17L02A-SS F1S21L02A-SS
	2021124217	Front Panel Module, Black (Includes black knobs and igniter)	F1S17L03A-BL F1S21L03A-BL
	2021124091	Front Panel Module, Black (Includes silver knobs and igniter)	F1S17L02A-BL F1S21L02A-BL
N	2021124119	Ignition Knob Assembly, Silver	F1S17L02A-BL F1S21L02A-BL F1S17L02A-SS F1S21L02A-SS
	2021124012	Ignition Knob Assembly, Black	F1S17L03A-BL F1S21L03A-BL
O	2021124022	Range Knob Assembly, Silver (OBSOLETE - use 2023029047)	F1S17L02A-BL F1S21L02A-BL F1S17L02A-SS F1S21L02A-SS
	2021124106	Range Knob Assembly, Black (OBSOLETE - use 2023029048)	F1S17L03A-BL F1S21L03A-BL
	2023029047	Range Knob Assembly, Silver	F1S17L02A-BL F1S21L02A-BL F1S17L02A-SS F1S21L02A-SS
	2023029048	Range Knob Assembly, Black	F1S17L03A-BL F1S21L03A-BL

Callout	Part #	Description	Model
P	2021124016	17"/21" Oven Knob Assembly, Black (OBSOLETE - use 2023029049)	F1S17L03A-BL F1S21L03A-BL
	2021124112	17"/21" Oven Knob Assembly, Silver (OBSOLETE - use 2023029050)	F1S17L02A-SS F1S17L02A-BL F1S21L02A-SS F1S21L02A-BL
	2023029049	17"/21" Oven Knob Assembly, Black	F1S17L03A-BL F1S21L03A-BL
	2023029050	17"/21" Oven Knob Assembly, Silver	F1S17L02A-SS F1S17L02A-BL F1S21L02A-SS F1S21L02A-BL
Q	2021124295	Light Switch, Black, 3-way Rocker Switch	ALL
R	2021123987	Handle Assembly, Black	F1S17L03A-BL F1S21L03A-BL
	2021124003	Handle Assembly, Silver	F1S17L02A-BL F1S21L02A-BL F1S17L02A-SS F1S21L02A-SS
S	2021124005	17" Oven Door Assembly, Stainless Steel Trim Kit, Silver Handle	F1S17L02A-SS
	2021124017	17" Oven Door Assembly, Black Trim Kit, Black Handle (OBSOLETE - use 2022073006)	F1S17L03A-BL
	2022073006	17" Oven Door Assembly, Black Trim Kit, Black Handle	F1S17L03A-BL
	2021124332	17" Oven Door Assembly, Black Trim Kit, Silver Handle	F1S17L02A-BL
	2021124013	21" Oven Door Assembly, Stainless Steel Trim Kit, Silver Handle	F1S21L02A-SS
	2021123976	21" Oven Door Assembly, Black Trim Kit, Black Handle	F1S21L03A-BL
	2021123936	21" Oven Door Assembly, Black Trim Kit, Silver Handle	F1S21L02A-BL
T	2021124161	17" Door Seal	F1S17L02A-B F1S17L03A-BL F1S17L02A-SS
U	2021149643	21" Door Seal	F1S21L02A-BL F1S21L03A-BL F1S21L02A-SS
V	2022072992	G4 Halogen Oven Light Bulb 12V 10W 300°C (572°F) (OBSOLETE - use 2021124002)	ALL
	2021124002	G4 Halogen Oven Light Bulb 12V 10W 300°C (572°F)	ALL
W	2022072993	Oven Light Glass Cover (OBSOLETE - use 2021123962)	ALL
	2021123962	Oven Light Glass Cover	ALL

Callout	Part #	Description	Model
X	2021123963	Right Plastic Side Trim	ALL
Y	2021124139	Left Plastic Side Trim	ALL
Z	2023029044	Red/Blue Knob LED PCB	ALL
Not pictured	2022303128	Strain Relief	ALL

Troubleshooting

Before calling for service, review this list. It may save you both time and expense. This list includes common experiences that are not the result of defective workmanship or material in your appliance.

Trouble/Symptom	Cause/Solution
Surface burners do not light.	Surface control knob has not been fully rotated to the LIGHT position. Push in and turn the Surface Control knob to the LIGHT position until burner ignites and then turn control to desired flame size.
	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.
	Low gas supply level in cylinder.
Surface burner flame burns halfway around.	Moisture is present on the burner, dry burner thoroughly.
	Burner ports or slots are clogged. With the burner off, use a small-gauge wire or needle to clean ports or slots.
	Moisture is present after cleaning. Lightly fan the flame and allow burner to operate until flame is full. Dry the burners thoroughly.
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.
Control LED only shows BLUE.	The igniter knob (far left control knob) will not change color. All other knobs will change to RED when the control is turned on.
Control knob shows RED at OFF position.	Knob LED PCB Hall components fail to sense the magnet. Contact Lippert Customer Care Center.

Specifications

Optional Power	Gas power
BTU/HR	Left and Right Burner: 6,500 BTU
	Front Burner: 8,000 BTU
	Oven: 7,100 BTU
Fuel / Power	Propane
Inlet Pressure	10" WC Min. to 13.8" WC Max
Power Input	12V DC <2 Amp
Inner Volume of the Oven	17" Oven: 1.24 cu.ft. (35L)
	21" Oven: 1.8 cu. ft. (51L)

Furrion Ltd. and Furrion, LLC (Furrion) are wholly owned subsidiaries of Lippert Components, Inc. (Lippert)
Furrion Ltd. et Furrion, LLC (Furrion) sont des filiales en propriété exclusive de Lippert Components, Inc. (Lippert)

Furrion, LLC: 52567 Independence Ct., Elkhart, IN 46514

Furrion Innovation Center & Institute of Technology
Centre d'innovation et institut de technologie Furrion

22244 Innovation Drive, Elkhart, IN 46514-5514, USA

Toll free/Numéro gratuit :1-800-789-3341
Email/Courriel : customerservice@lci1.com

©2007-2026 Furrion, LLC. All rights reserved.
©2007-2026 Furrion, LLC. Tous droits réservés.

For Patent Info: www.Lippert.com/patents
Pour des informations sur les brevets: www.Lippert.com/patents

SUPPORT.LCI1.COM/FURRION

The contents of this manual are proprietary and copyright protected by Lippert. Lippert prohibits the copying or dissemination of portions of this manual unless prior written consent from an authorized Lippert representative has been provided. Any unauthorized use shall void any applicable warranty. The information contained in this manual is subject to change without notice and at the sole discretion of Lippert. Revised editions are available for free download from lippert.com.

Please recycle all obsolete materials.

Le contenu de ce manuel est la propriété exclusive de Lippert et est protégé par le droit d'auteur. Lippert interdit la copie ou la diffusion de tout ou partie de ce manuel sans l'autorisation écrite préalable d'un représentant autorisé de Lippert. Toute utilisation non autorisée annulera la garantie applicable. Les renseignements contenus dans ce manuel peuvent être modifiés sans préavis et à la seule discrétion de Lippert. Les éditions mises à jour peuvent être téléchargées gratuitement sur lippert.com.

Veuillez recycler tout le matériel désuet.

For all concerns or questions, please contact Lippert.
Communiquer avec Lippert Components si vous avez des questions ou des préoccupations.
Ph: 432-LIPPERT (432-547-7378) | Web: lippert.com | Email: customerservice@lci1.com