

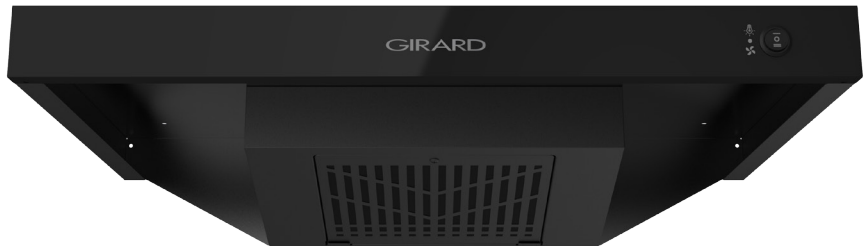


GIRARD PRODUCTS. LLC.

12V RANGE HOOD

GRH24DVB [2022071760]; GRH24DRCB [2022071761]

USER MANUAL



* Product picture for reference only

Thank you for purchasing this Girard product. Before operating your new appliance, please read these instructions carefully. This user manual contains information for safe use, installation and maintenance of the appliance. Please keep this user 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 appliance. The manufacturer does not accept responsibility for any damages due to not observing these instructions.

IMPORTANT SAFETY INSTRUCTIONS

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.

⚠ CAUTION

Safety instruction: Failure to observe this instruction can cause fatal or serious injury.

- For general ventilating use only. Do not use to exhaust hazardous or explosive materials or vapors.
- Do not allow insulation, ceiling finishing materials, roofing materials, or other debris to enter the fan housing or ductwork. Motor failures due to debris are not subject to warranty coverage.

RANGE HOOD SAFETY

Your safety and the safety of others are very important. We have provided many important safety messages in this manual and your appliance. Always read and obey all safety messages. This is the safety alert symbol.

⚠

This symbol alerts you to potential hazards that can kill or hurt you and others. All safety messages will follow the safety alert symbol and either word “DANGER” or “WARNING”.

⚠ WARNING

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING:

- SMOTHER FLAMES with a close-fitting lid, cookie sheet or metal tray, then turn off the burner. **BE CAREFUL TO PREVENT BURNS.**
- If the flames do not go out immediately, **EVACUATE AND CALL THE FIRE DEPARTMENT.**
- NEVER PICK UP A FLAMING PAN!** You may be burned.
- DO NOT USE WATER,** including wet dishcloths or towels - a violent steam explosion will result.
- Use an extinguisher only if:
 - You know you have a class ABC extinguisher, and you already know how to operate it.
 - The fire is small and contained in the area where it started.
 - The fire department is being called.
 - You can fight the fire with your back to an exit.

Based on ‘Kitchen Fire Safety Tips’ published by the NFPA.

⚠ WARNING

TO REDUCE THE RISK OF INJURY OF A RANGE HOOD GREASE FIRE:

- Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite.
- Heat oils slowly on low or medium settings.
- Always turn hood on when cooking at high heat or when cooking or flambeing food.
- Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
- Use proper pan size. Always use cookware appropriate for the size of the surface element.

⚠ WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- Do not use this fan with any solid state speed control device.
- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire related construction.
- Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer’s guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), The American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and local code authorities.
- When cutting into walls or ceilings, do not damage electrical wiring and other hidden utilities.
- Use only metal ductwork. Exhaust air must be ducted to the outside. Do not vent exhaust air into spaces within walls, ceilings, attics, crawl spaces or garages.
- Inadequate repairs may cause serious hazards. For repair service, please contact the service center in your country.

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Before servicing or cleaning unit, switch power off at the service panel and lock service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
- People (including children) whose physical, sensory or metal capacities or whose lack of experience or knowledge prevent them from using this product safely should not use it without the supervision or instruction of a responsible person.

Save these instructions for future reference!

INSTALLATION

What’s in the Box

Make sure all the following items are included in the packaging. If any items are damaged or missing, contact your dealer.

- Range Hood
- User Manual
- Warranty Manual

The installation should conform to these installation instructions and with the standards for recreational vehicles, NFPA 1192. **!!!IMPORTANT!!** **Observe all governing codes and ordinances.** It is the installer’s responsibility to comply with installation clearances specified on the model/serial/rating plate. The model/serial/rating plate is located inside the range hood; Range hood location should be away from strong draft areas, such as windows, doors, and strong heating vents. Models that are capable of being installed as recirculating require charcoal filters.

⚠ WARNING

Installation of this appliance must be made in accordance with the written instructions provided in this manual. No agent, representative or employee of Girard or other persons has the authority to change, modify or waive any provision of the instructions contained in this manual.

Electrical Requirements

Observe all governing codes and ordinances. Ensure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 (latest edition), or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91 (latest edition) and local codes and ordinances. If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate. Wire sizes and connections must confirm with the rating of the appliance as specified on the model/serial/rating plate. The model/serial/rating plate is located inside the range hood. Wire sizes must confirm to the requirements of the National Electrical Code, ANSI/NFPA 70 (latest edition), or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91 (latest edition) and local codes and ordinances. Recreational vehicle fan units. Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination and/or repair.

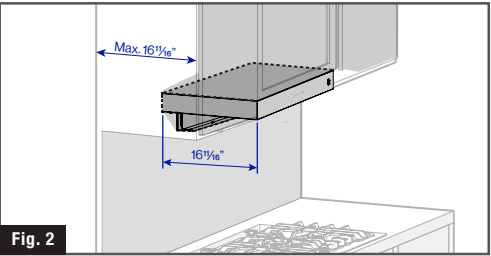
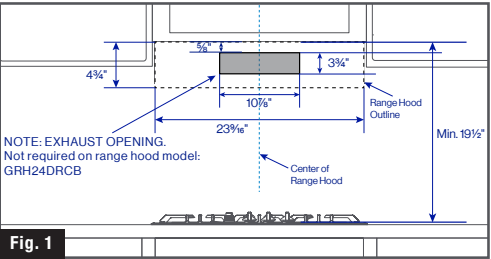
Range Hood Installation

⚠ WARNING

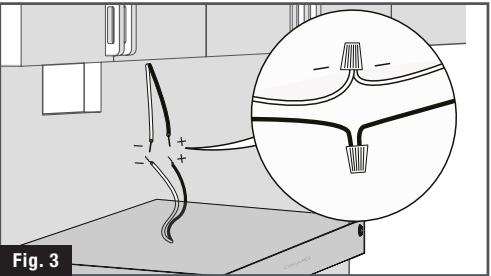
ELECTRIC SHOCK HAZARD

- Disconnect power before servicing.
- Replace all parts and panels before operating.
- Failure to follow these instructions can result in fire, electric shock or even death.

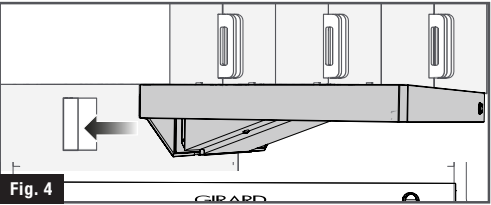
- Disconnect power.
- Mark centerline of range hood on the wall. (Fig. 1) DO NOT cut out the exhaust opening (10⁷/₈” x 3³/₄”) if using model GRH24DRCB. **NOTE:** The minimum vertical distance to combustible material above the range cooking surface is min. 19½ inches when installed with a range hood, provided the overhead construction does not extend 16¹¹/₁₆ inches from the rear wall. (Fig. 2)



- Mark and cutout a through-hole on the wall according to the dimensions outlined in Fig. 1.
- Connect the vent hood black wire negative (-) to the incoming power supply negative (-) wire and the vent hood red wire positive (+) to the incoming power supply positive (+) wire. (Fig 3) **NOTE:** Make all electrical supply connections, including proper fusing at the power source in accordance with local and/or applicable codes. The maximum fuse in the supply lines is 15A.



- Insert vent collar at back of the range hood into the cutout area (Fig 4) and fix the range hood onto the top cabinet with four #8 type wood screws (not provided). Ensure the length of the screw has adequate engagement into the above cabinet. (Fig 5) **NOTE:** DO NOT over tighten the screws.

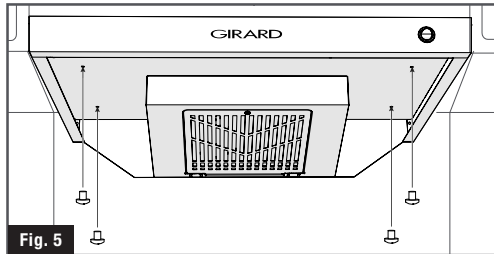




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Please recycle all obsolete materials.

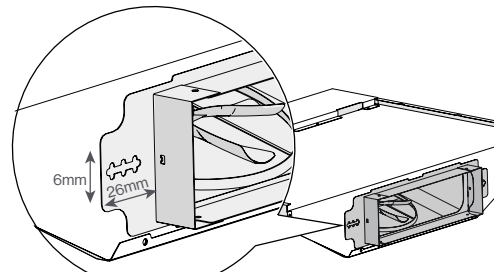
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PhL 432-LIPPERT (432-547-7378) | Web: lippert.com | E-mail:
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6. Verify that the blower housing and ductwork are free of debris and fan blades spin freely.

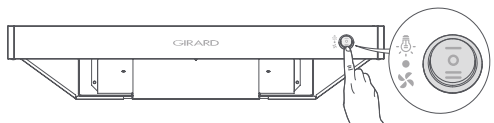
Adjustable Duct

NOTE: For GRH24DVB model only.
The duct location of the ducted range hood can be adjusted up/down 6mm and left/right 26mm to fit the opening on the cabinet. If adjustment is required, loosen the two attachment screws and adjust the exhaust duct to the desired location. Re-tighten the two screws once final location has been determined.



OPERATION

Fan Control



Position	Features
—	Light on
○	Light off; Range hood off.
=	Light on; Range hood on.

Press to move the switch to corresponding positions to operate the fan and light of the range hood.

CLEANING AND MAINTENANCE

WARNING	
	ELECTRIC SHOCK HAZARD
	• Disconnect power before servicing.
	• Replace all parts and panels before operating.
	• Failure to follow these instructions can result in fire, electric shock or even death.

WARNING	
FIRE HAZARD	
The range hood must be kept clean, as a build up of grease or fat can be a fire hazard.	

External Cleaning

Wipe the range hood frequently with warm soapy water using a mild detergent.

NOTE: Never use scouring pads or abrasive cleaners. Never use excessive amounts of water when cleaning particularly around the control panel.

Filter Cleaning/Replacement

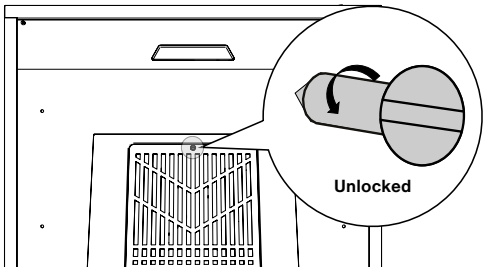
WARNING	
This appliance can be a possible fire hazard if the filter is not replaced as recommended.	

This appliance is designed with a filter attached in metal filter to absorb smells or unwanted odors.

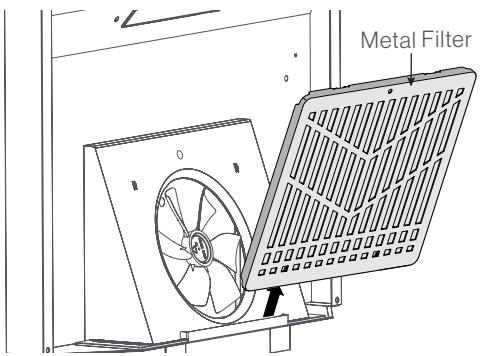
The metal filter surface should be cleaned approximately once a month or more often if the range hood is used exceeding 3 hours a day.

NOTE: Do not immerse the filter in water.

1. Unscrew the screw counterclockwise to release the filter panel and lift upwards to remove it.



2. Remove the filter and wipe the metal surface with soft lint-free cloth.

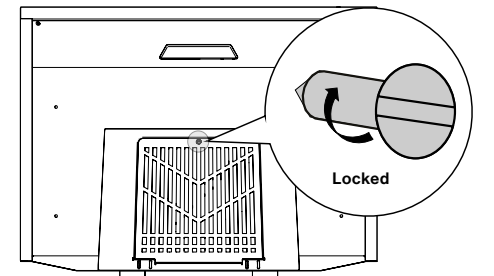


NOTE:

- Do not use dishwasher to wash.
 - Do not immerse the filter in water.
- The charcoal filter is not cleanable. It is recommended to replace the filter approximately every 3 months or more often if the range

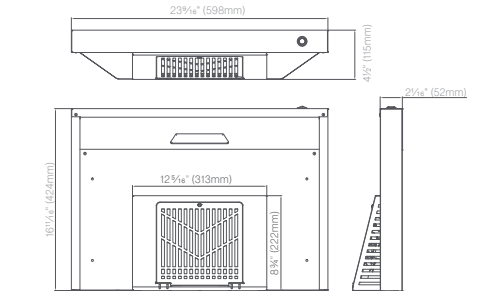
hood is used exceeding 3 hours a day. The replacement charcoal filter can be obtained from your local service center.

3. Attach the grease filter back onto the range hood and secure by using the screw removed in step 1. Tighten the screw by turning clockwise.

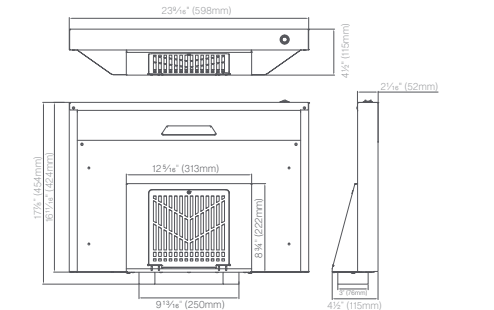


SPECIFICATIONS

MODEL: GRH24DRCB

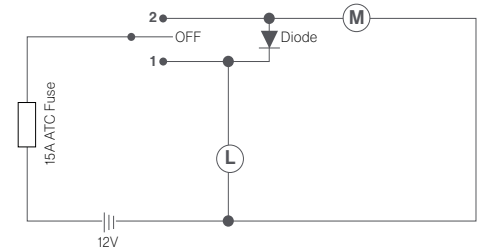


MODEL: GRH24DVB



Connection Voltage	12V DC
Power Consumption	1.1 A
LED Power Consumption	3 W
Overall Dimension (W x H x D) GRH24DVB	23 ⁹ / ₁₆ x 17 ⁷ / ₈ x 4 ¹ / ₂ " (598 x 454 x 115mm)
Overall Dimension (W x H x D) GRH24DRCB	23 ⁹ / ₁₆ x 16 ¹¹ / ₁₆ x 4 ¹ / ₂ " (598 x 424 x 115mm)
Vent Collar Dimensions (W x H x D)	9 ¹³ / ₁₆ x 3 x 1 ³ / ₁₆ " (250 x 76 x 30mm)

WIRING DIAGRAM





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Follow proper safety practices. If in doubt, consult a professional RV technician.