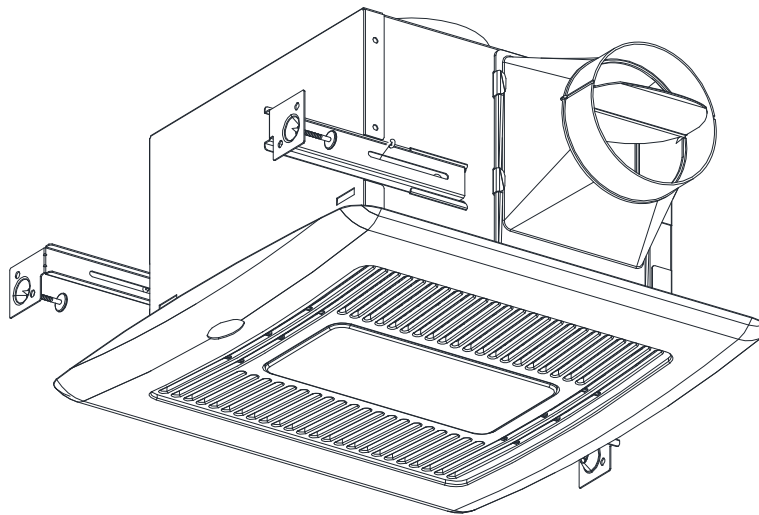




Item #1000 020 862
Model #VFB25ACLED2

USE AND CARE GUIDE

VENTILATION FAN



Questions, problems, missing parts? Before returning to the store,
call Hampton Bay Customer Service
8 a.m. - 6 p.m., EST, Monday-Friday

855-HD-HAMPTON

HAMPTONBAY.COM

THANK YOU

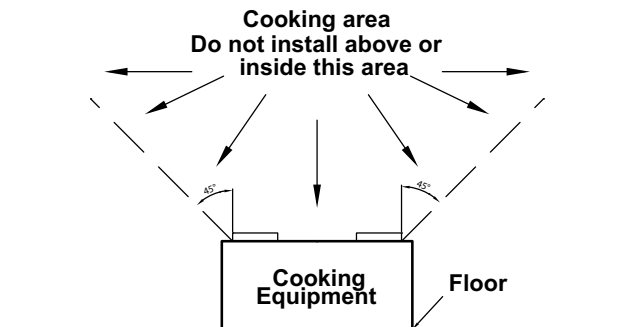
We appreciate the trust and confidence you have placed in Hampton Bay through the purchase of this ventilation fan. We strive to continually create quality products designed to enhance your home. Visit us online to see our full line of products available for your home improvement needs. Thank you for choosing Hampton Bay!

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Safety Information

1. This ventilation fan is approved for use over a bathtub or shower when installed in a GFCI protected circuit. Do not use unapproved fans over a bathtub or shower that is not approved for that application.
2. Installation work must be carried out by a qualified person(s) in accordance with all local and safety codes including the rules for fire-rated construction.
3. Always vent fans to the exterior and in compliance with local codes.
4. Install ductwork in a straight line with minimal bends.
5. Use 120 V, 60 Hz for the electrical supply and properly ground the unit. Follow all local safety and electrical codes.
6. Do not use this fan with any solid-state control device; such as a dimmer switch. Solid-state controls may cause harmonic distortion, which can cause a motor humming noise.
7. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting.
8. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
9. To reduce the risk of injury to persons, install fan at least 8.2 ft. above the floor.
10. Not for use in cooking areas.



Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air conditioning Engineers (ASHRAE), and the local code authorities.

Safety Information (continued)



WARNING: To reduce the risk of electric shock, please disconnect the electrical supply circuit to the fan before installing light kit.



CAUTION: Do not install in locations where the air temperature will exceed 104°F (40°C).



WARNING: To reduce the risk of fire or electric shock, do not block air entry grill.



IMPORTANT: Exercise care to not damage existing wiring when cutting or drilling into walls or ceilings.



CAUTION: For general ventilation use only. Do not use to exhaust hazardous or explosive materials and vapors.



IMPORTANT: You may want to consult with a professional electrician regarding the wiring of your ventilation fan.



CAUTION: This product must properly connect to the grounding connector of the supply circuit.



NOTE: Make sure duct work size is a minimum of the discharge. Do not reduce. Reducing the duct size can increase fan noise.

Warranty

The manufacturer warrants the products to be free from defects in materials and workmanship for a period of three (3) years from date of purchase. This warranty applies only to the original consumer purchaser and only to products used in normal use and service. If this product is found to be defective, the manufacturer's only obligation, and your exclusive remedy, is the repair or replacement of the product at the manufacturer's discretion, provided that the product has not been damaged through misuse, abuse, accident, modifications, alterations, neglect or mishandling. This warranty shall not apply to any product that is found to have been improperly installed, set-up, or used in any way not in accordance with the instructions supplied with the product. This warranty shall not apply to a failure of the product as a result of an accident, misuse, abuse, negligence, alteration, faulty installation, or any other failure not relating to faulty material or workmanship. This warranty shall not apply to the finish on any portion of the product, such as surface and/or weathering, as this is considered normal wear and tear. This warranty shall not apply to the LED light engine if it is opened, disassembled, or the warranty label removed.

Contact the Customer Service Team at 1-855-HD-HAMPTON or visit www.hamptonbay.com.

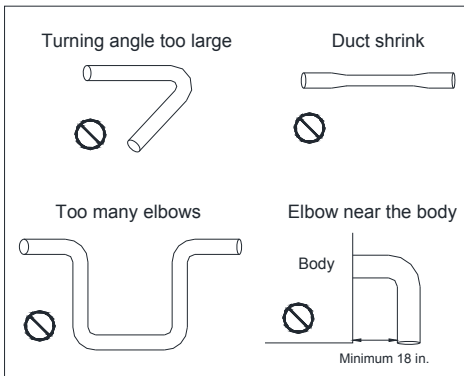
Pre-Installation

PLANNING FOR SUCCESSFUL INSTALLATION

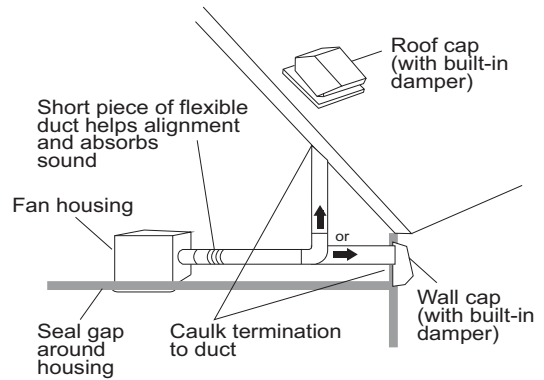
When installing the ventilation fan in a new construction site, install the main body of the fan and duct work during the rough-in construction of the building. The grill should be installed after the finished ceiling is in place.

When installing in existing construction, use the dimensions on page 12 to determine the required hole size for the ceiling. Grill edges should overlap the finished ceiling.

Do not install the ventilation fan in areas where the duct work will require configuration as shown.



NOTE: If installing in existing construction, you must have access to space above and below the installation location.



Ensure there is proper insulation around the fan to minimize building heat loss and gain.

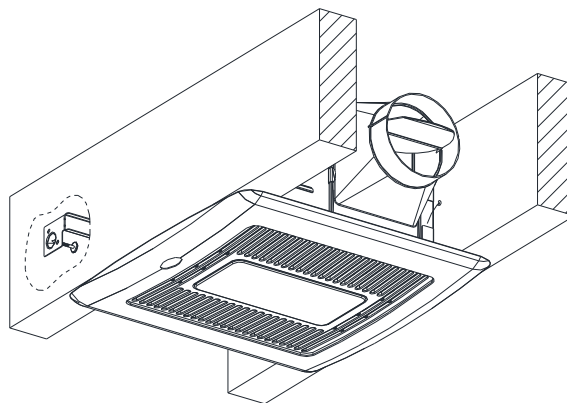
The fan will operate most efficiently when located where the shortest possible duct run and minimum number of elbows will be needed.

Use a roof cap or wall cap that has a built-in damper to reduce backdrafts.

INSTALLATION OPTIONS

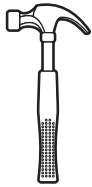
We recommend installing the ventilation fan by securing the main body of the fan against one ceiling joist and using the header bars as necessary for support of the adjoining joist.

There are multiple installation configurations possible for this ventilation fan. Not all configurations are shown. If your installation requires a variation other than those shown, consult with a licensed contractor to determine the best installation for your project. If you are replacing an existing fan, ensure that the new grill will adequately cover the existing opening.



Pre-Installation (continued)

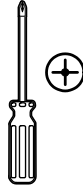
TOOLS REQUIRED



Hammer



Safety goggles



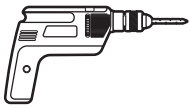
Phillips screwdriver



Level

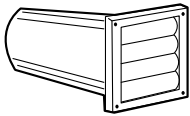


Electrical tape



Drill

MATERIALS REQUIRED



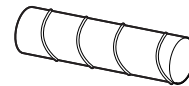
Duct vent



Duct clamp



Duct tape



Duct piping

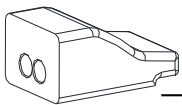


Wire nut

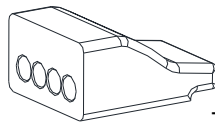
HARDWARE INCLUDED



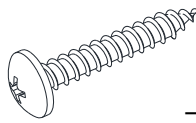
NOTE: Hardware not shown to actual size.



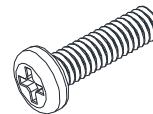
AA



BB



CC

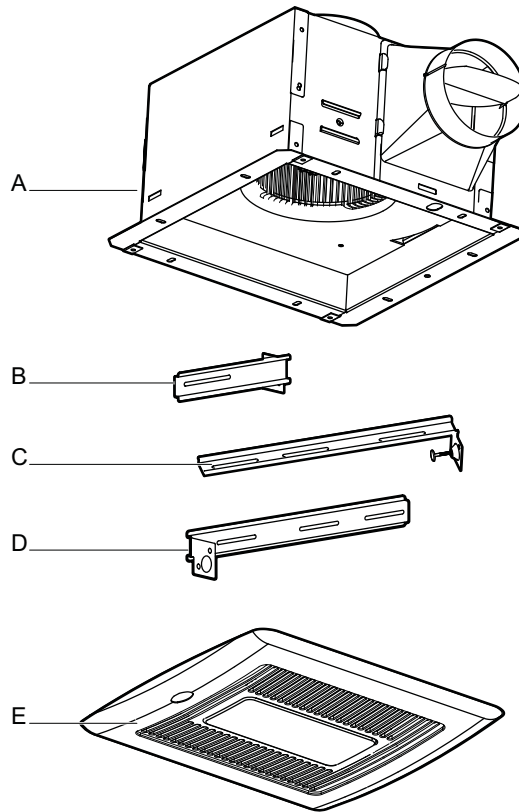


DD

Part	Description	Quantity
AA	Quick connect (2P)	4
BB	Quick connect (4P)	2
CC	Long wood screw	6
DD	Screw	3

Pre-Installation (continued)

PACKAGE CONTENTS



Part	Description
A	Main body
B	Suspension bracket I
C	Suspension bracket II
D	Suspension bracket III
E	Grill assembly

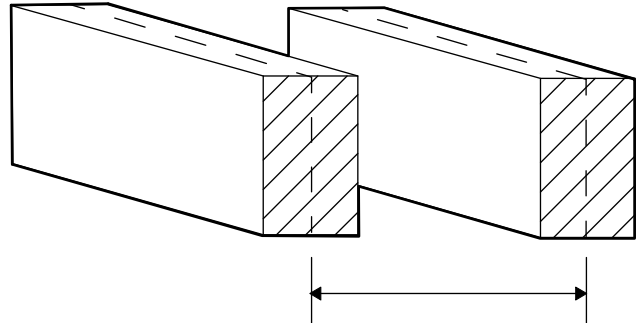
Installation

1 Determining the joist width

- Measure the distance from the center of the two ceiling joists where you will be installing the ventilation fan.
- For 12 in. spaced joists, proceed to step 2. For joist spacing 16 in. – 24 in. proceed to step 3.

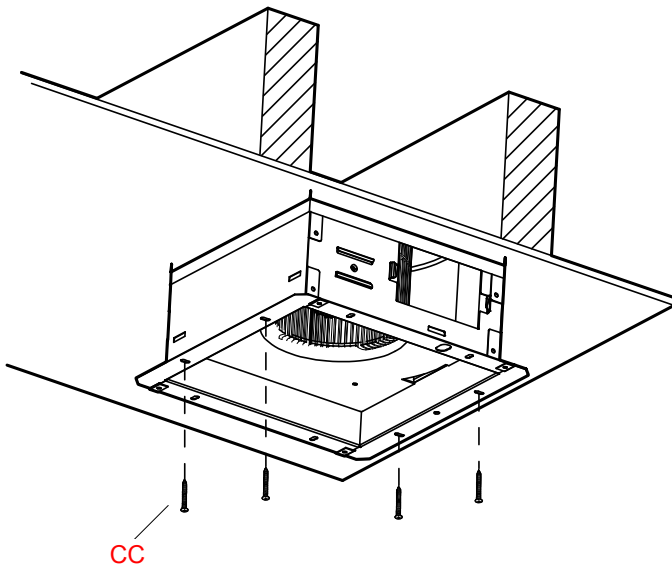


NOTE: Sliding hanger bars are provided to allow for accurate positioning of the main body between joists.



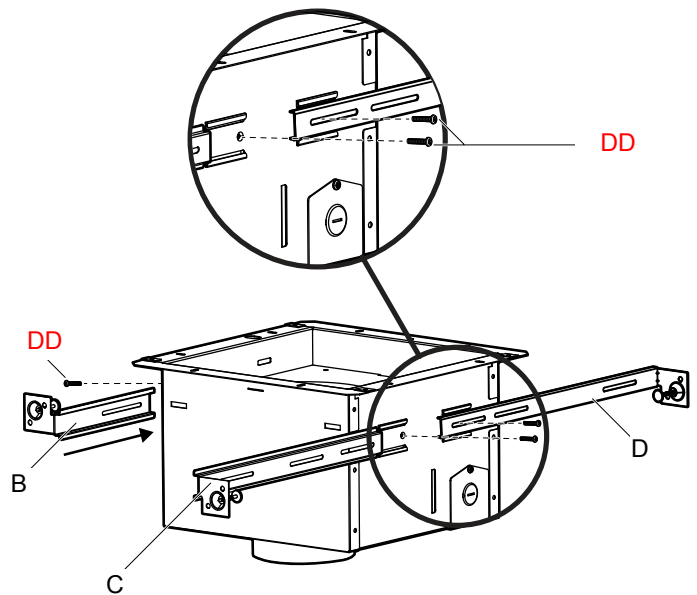
2 Installing on a 12 in. joist

- Use four long wood screws (**CC**) to attach the main body of the fan to ceiling joists in the four locations shown.
- Ensure the main body is level and square to the joists.
- Tighten all screws.



3 Installing on suspension brackets

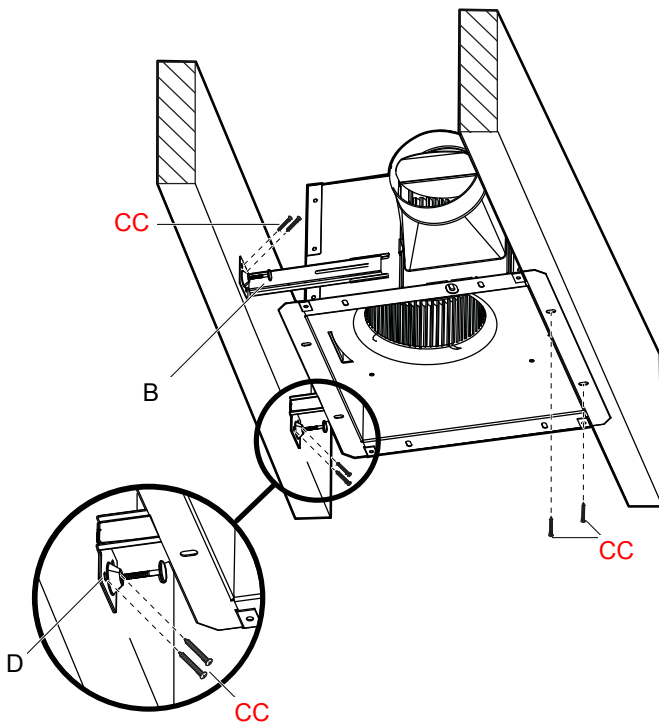
- Install suspension bracket II and III (C and D) on one side of the main body using M4x12 screws (**DD**).
- Install suspension bracket I (B) on the opposite side of the main body using M4x12 screw (**DD**).



Installation (continued)

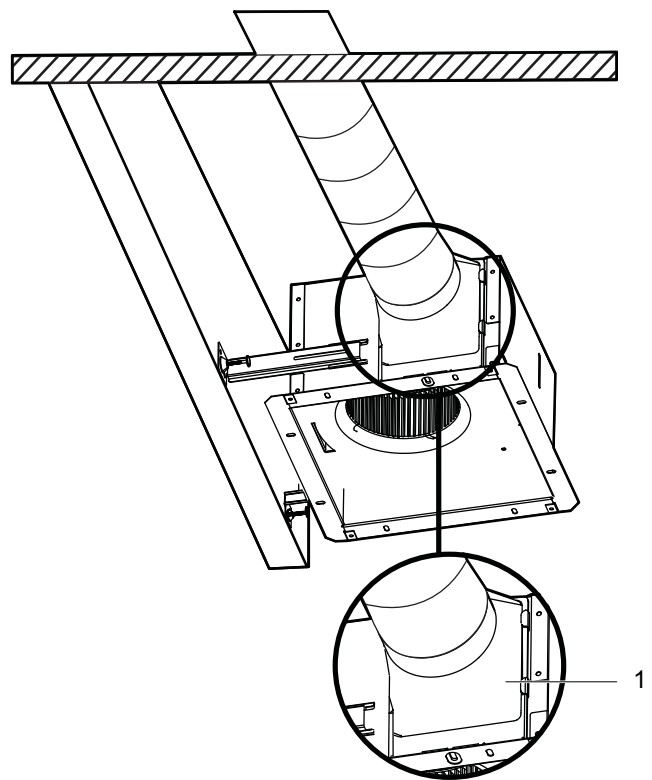
4 Installing on a 16 – 24 in. joist

- Use long wood screws (CC) to loosely attach the main body of the fan to one ceiling joist in the two locations shown.
- Extend the hanger bars to the opposite ceiling joist.
- Secure the suspension brackets (B, C, and D) to the joist using long wood screws (CC).
- Ensure the main body is level and square to the joists.
- Tighten all screws.



5 Connecting the duct

- Install a circular duct (1) to the outlet and secure it with duct tape or clamps to the outlet.
- Install the duct with a gradient of 1° ~ 2° to the outside as shown.



NOTE: The fan body should hang down from joists approximately 0.5 in. to match finished ceiling material.

Installation (continued)

6 Using quick connects



WARNING: Wiring must comply with all applicable electrical codes. Turn OFF power before removing or installing connectors.



WARNING: COPPER TO COPPER ONLY. Do not use on Aluminum wire.

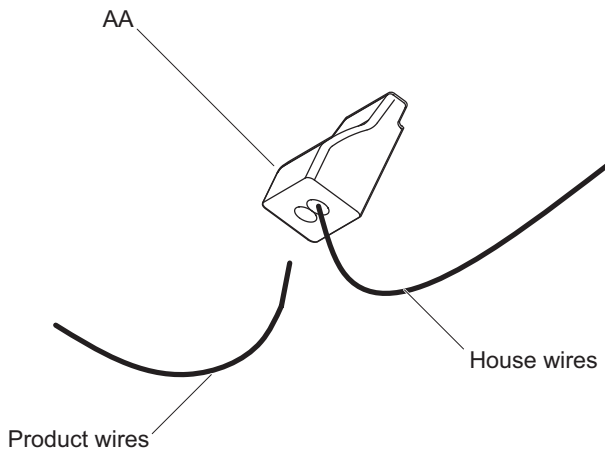


CAUTION: Accessory part AA (quick connect) should meet installation instructions below.



NOTE: The connector is reusable on solid wires of the same wire gage or smaller. Do not reuse the connector on stranded wires.

- Strip the wires so half of the bare wire is showing.
- Grip the wire firmly and push the stripped end of the wire into the open port of the connector (AA). Use only one stripped end of the wire per port.
- Verify the stripped end of the wire is fully inserted to the back of the connector (AA).



NOTE: Important wire information. Maximum temperature rating 105°C (221°F). 600 volts maximum for building wire and 1000 volts maximum in signs and lighting fixtures. Flammability rating of the wires must meet UL94-V2. The acceptable wire range includes: Solid: 12-20 AWG, Stranded: 12-16 AWG (≤19 STRAND); 18AWG (7 STRAND), Tin bonded: 14-18 AWG (≤19 STRAND).

7 Connecting the wiring from the unit to the house



WARNING: Follow all local electrical and safety codes.



WARNING: Failure to wire product correctly could result in electrical shock, fire hazards, or damage to the product. Consult a licensed electrician if you are unsure of your ability to correctly install wiring.



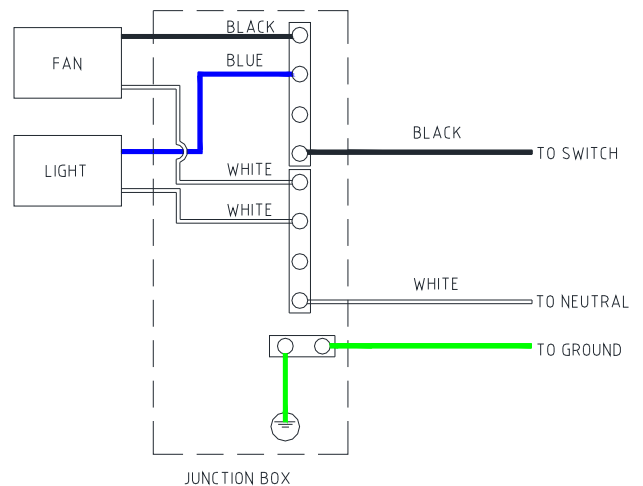
CAUTION: Never place a switch where it can be reached from a tub or shower.



CAUTION: If your house wires do not match these colors, determine what each house wire represents before connecting. You may need to consult a licensed electrician to determine this safely.

- Connect wires using the quick connector (AA, BB) or wire nut (not provided).
- Match colors as shown.
- Replace the junction box cover. Do not pinch the lead wires.

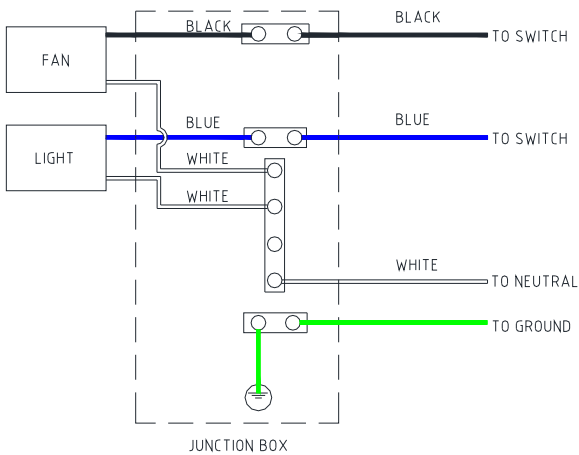
Single Switch Control - With a single switch, fan and light can be turned on and off simultaneously.



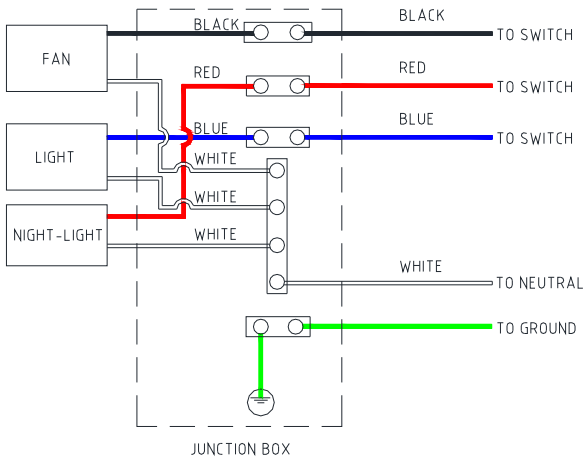
Installation (continued)

Connecting the wiring from the unit to the house (continued)

2-pole Switch Control - With a 2-pole switch, the fan and light can be controlled independently.

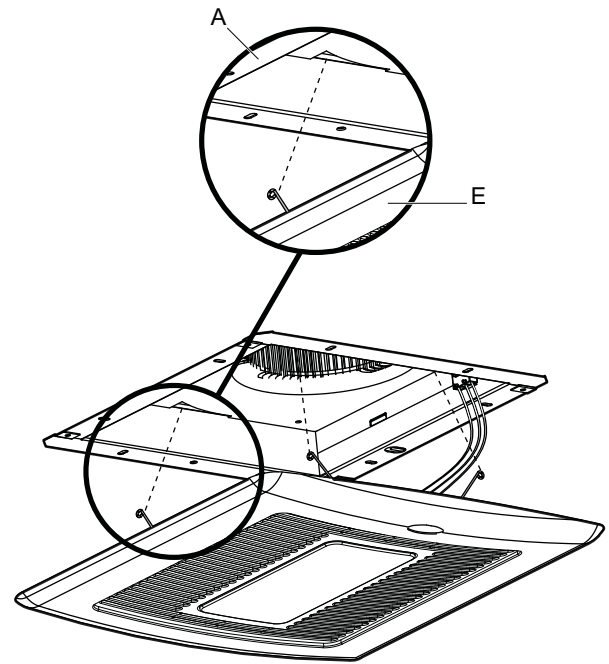


3-pole Switch Control - With a 3-pole switch, all three features can be controlled independently.



8 Attaching the grill

- Plug the connector into the receptacle.
- Insert the mounting springs into the slots in the grill assembly (E).
- Squeeze springs together and insert into the main body (A).



Troubleshooting



CAUTION: Please unplug or disconnect the appliance from the power supply before servicing.

Problem	Possible Cause	Corrective Action
The fan does not run.	The power is off.	Ensure the power supply is on.
	There is a faulty switch.	Test or replace the switch.
	There is a faulty wire connection.	Check the wire in the switch box.
The light does not turn on.	The power is off.	Ensure the power supply is on.
	There is a faulty switch.	Test or replace the switch.
	There is a faulty wire connection.	Check the wire in the switch box.
	Light grill connection is improper.	Check the plug-in connector is seated firmly in place.
The fan seems noisy than normal.	Motor is loose.	Turn off power and remove grill to check all screws are fully secured.
	Indoor air does not be exhausted to outside.	Check the back draft damper in the fan duct connection works normally.

Care and Cleaning



CAUTION: Do not let water into the LED light engine.

- Before servicing or cleaning the unit, disconnect and lock the power supply at the panel to prevent the power from being turned on.
- Remove the grill by squeezing the springs and pulling down.
- Wash and clean the grill in a sink and dry with a cloth.
- Remove dust and dirt from the fan housing with a vacuum cleaner.
- Replace the grill.
- To reduce the risk of electric shock, please disconnect the electrical supply circuit to the fan before installing light kit.

Specifications

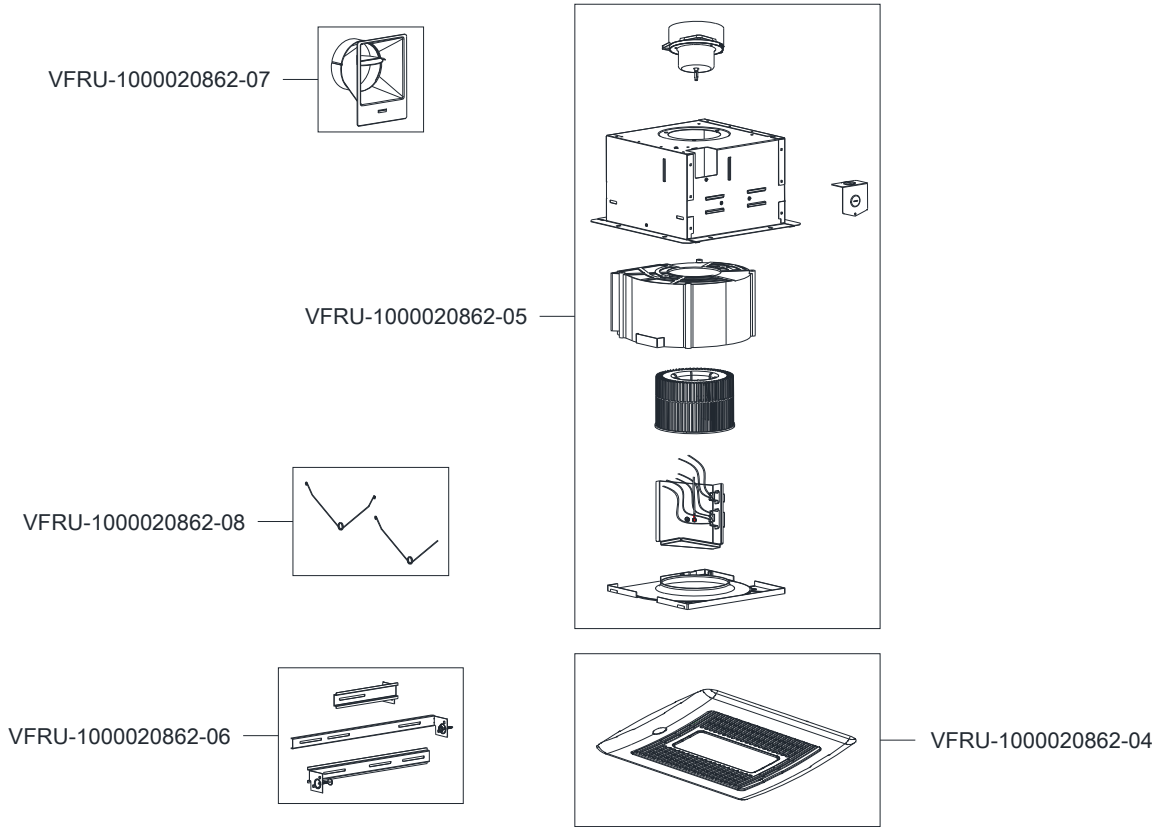
Model No.	VFB25ACLED2
Air direction	80 cfm
Voltage	120 V
Hertz	60 HZ
LED light engine	25,000 hours
Duct diameter	4 in. (10.16 cm)
Noise	0.5 Sone
Power consumption (Watts)	9.0 W
Speed	898 rpm
Air deliver at 0.1" WG	80 cfm
Weight	8 lbs. (3.6 kg)

DIMENSIONS

Ceiling opening - length	11.8 in. (30.0 cm)
Ceiling opening - width	11.8 in. (30.0 cm)
Housing dimension - length	9.68 in. (24.59 cm)
Housing dimension - width	9.68 in. (24.59 cm)
Housing dimension - depth	7.98 in. (20.30 cm)

Service Parts

VFB25ACLED2 SERVICEABLE PARTS



VFRU-1000020862-01



VFRU-1000020862-02



VFRU-1000020862-03



VFRU-1000020862-09

Part number	Description	Quantity
VFRU-1000020862-01	Quick connectors (2P)	4
VFRU-1000020862-02	Long wood screws	6
VFRU-1000020862-03	Short screws	3
VFRU-1000020862-04	Grill with LED module and lens	1
VFRU-1000020862-05	Complete assembled fan and housing	1
VFRU-1000020862-06	Complete suspension bracket	1
VFRU-1000020862-07	Duct outlet with dampener	1
VFRU-1000020862-08	Spring clips	2
VFRU-1000020862-09	Quick connectors (4P)	2

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THANK YOU

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Retain this manual for future use.