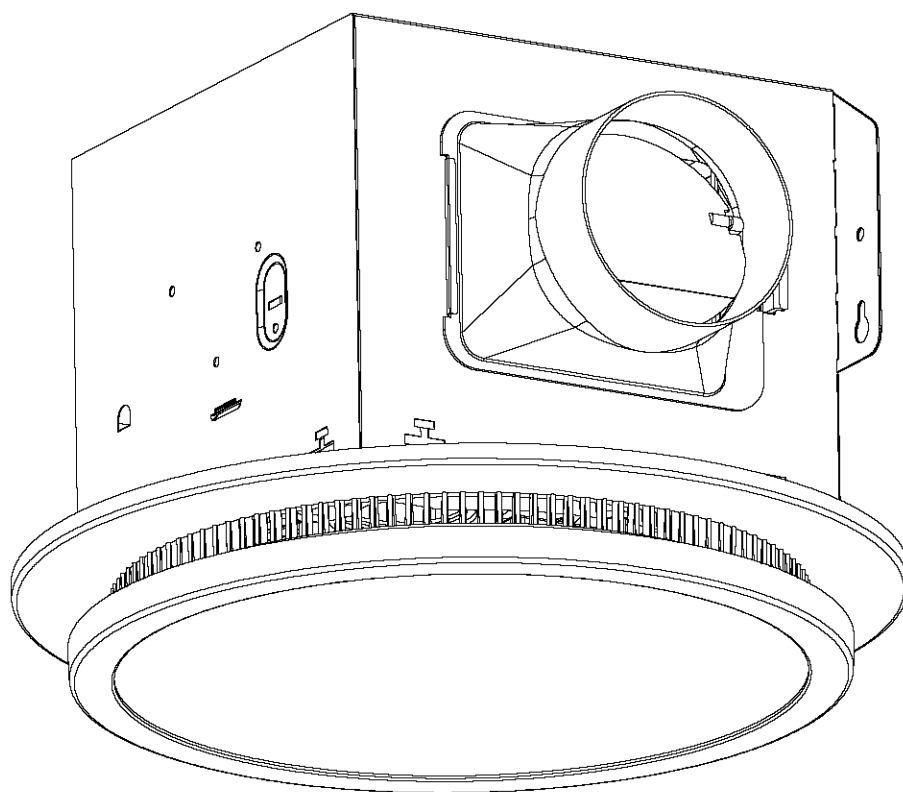


FCC ID: SYJ7130-20-CE

USE AND CARE GUIDE

VENTILATION FAN WITH HUMIDITY SENSOR, BLUETOOTH® SPEAKERS, LED LIGHT, AND NIGHT LIGHT



Questions, problems, missing parts? Before returning to the store,
call Commercial Electric Customer Service
8 a.m. - 7 p.m., EST, Monday - Friday, 9 a.m. - 6 p.m., EST, Saturday

1-877-527-0313

HOMEDEPOT.COM

The BLUETOOTH® word mark and logos are registered trademarks owned by BLUETOOTH SIG, Inc. and any use of the said mark by Homewerks Worldwide is under license. Other trademark and trade names are those of their respective owners.

THANK YOU

We appreciate the trust and confidence you have placed in Commercial Electric 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 Commercial Electric!

READ AND SAVE THESE INSTRUCTIONS

Table of Contents

Safety Information	2
Warranty	3
Product Specifications	3
UL Compliance	3
FCC Compliance	4
Pre-Installation	4
Planning Installation.....	4
Tools Required.....	5
Package Contents.....	5
Hardware Included.....	5

Dimensions.....	6
Wiring.....	6
Typical Installation	7
Installation - New Construction	7
Installation - Existing Construction	11
Connecting Your BLUETOOTH® Device to the Speaker	14
Care and Cleaning	15
Operating Instructions	17
Troubleshooting	17

Safety Information

Please read and understand this entire manual before attempting to assemble, operate, or install the product.

- ❑ Always disconnect the power supply prior to servicing the fan, motor, or junction box.
- ❑ Follow all local building, safety and electrical codes as well as NEC (National Electrical Code) and OSHA (Occupational Safety and Health Act).
- ❑ Electric Service supply must be 120 V, 60 Hz.
- ❑ This product must properly connect to the grounding conductor of the supply circuit.
- ❑ Do not bend or kink the power wires.
- ❑ Do not install in a ceiling with insulation greater than R40.
- ❑ Duct work should be installed in a straight line with minimal bends.
- ❑ Duct work size must be the same size as the discharge and should not be reduced. Reducing the duct size may increase fan noise.
- ❑ This product is not intended for connection to rigid metal conduit. For use with flexible conduit only.
- ❑ Do not use this fan with any solid state control device, such as a remote control, dimmer switch, or certain timers. Mechanical timers are not solid state devices.



WARNING: To reduce the risk of fire, electric shock, or injury to persons, observe the following:

- ❑ Use this unit in the manner intended by the manufacturer. If you have any questions, please call customer service.
- ❑ Before servicing or cleaning the unit, switch the power off at the service panel and lock the service disconnecting means to prevent the power from being switched on accidentally. If the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
- ❑ Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- ❑ Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. 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 local code authorities.
- ❑ When cutting or drilling into the wall or ceiling, do not damage electrical wiring and other hidden utilities.
- ❑ To reduce risk of fire and to properly exhaust air, be sure to vent air to the outdoors. Do not vent exhaust air into spaces within walls or ceilings, or into attics, crawl spaces, or garages.
- ❑ If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFCI (Ground Fault Circuit Interrupter)-protected branch circuit.
- ❑ This ventilation fan is intended to be installed at least 3 ft. 3-1/4 in. (1 m) from the showerhead when installing over a bathtub or shower. Installation within a shower stall is not recommended for this unit, unless the 3 ft. 3-1/4 in. (1 m) distance can be met.



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



CAUTION: Not for use in kitchens.



CAUTION: To reduce the risk of injury to persons, install the fan at least 7 feet (2.1 m) above the floor.



CAUTION: To reduce risk of fire and to properly exhaust air, be sure to vent air to the outdoors. Do not vent exhaust air into spaces within walls or ceilings, or into attics, crawl spaces, or garages.



CAUTION: Installation of this unit requires the power to be OFF until installation is complete. If you encounter issues with the unit not powering up, please review the troubleshooting section of the instruction manual.

If you require additional assistance, please call 1-877-527-0313, 8 a.m. - 7 p.m., EST, Monday - Friday, 9 a.m. - 6 p.m., EST, Saturday.

Warranty

WHAT IS COVERED

FAN – LIMITED 3-YEAR WARRANTY

If the fan fails due to a defect in materials or workmanship at any time during the first THREE years of ownership, the manufacturer will replace it free of charge, postage-paid at their option. This warranty does not cover products that have been abused, altered, damaged, misused, cut or worn. This warranty does not cover use in commercial applications. Use only manufacturer-supplied genuine warranty repair replacement parts to repair this fan. Use of non-genuine repair parts will void your warranty. The manufacturer DISCLAIMS all other implied or express warranties including all warranties of merchantability and/or fitness for a particular purpose. As some states do not allow exclusions or limitations on an implied warranty, the above exclusions and limitations may not apply. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

BLUETOOTH® SPEAKER – LIMITED 1-YEAR WARRANTY

If the BLUETOOTH® speaker fails due to a defect in materials or workmanship at any time during the first year of ownership, the manufacturer will replace it free of charge, postage-paid at their option. This warranty does not cover products that have been abused, altered, damaged, misused, cut or worn. This warranty does not cover use in commercial applications. Use only manufacturer-supplied genuine warranty repair replacement parts to repair this fan. Use of non-genuine repair parts will void your warranty. The manufacturer DISCLAIMS all other implied or express warranties including all warranties of merchantability and/or fitness for a particular purpose. As some states do not allow exclusions or limitations on an implied warranty, the above exclusions and limitations may not apply. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

WHAT IS NOT COVERED

This warranty is limited to the replacement of defective parts only. Labor charges and/or damage incurred during installation, repair, replacement as well as incidental and consequential damages connected with the above are excluded. Any damage to this product as a result of neglect, misuse, accident, improper installation or use other than the purpose SHALL VOID THIS WARRANTY.

Shipping costs for return product as part of a claim on the warranty must be paid for by the customer. Inquiries regarding warranty claims can be directed to 1-877-527-0313, 8 a.m. - 7 p.m., EST, Monday - Friday, 9 a.m. - 6 p.m., EST, Saturday.

Product Specifications

Airflow: 110 CFM

Sound output: 1.5 sones

120 V, 60 Hz

Duct diameter: 4 in.

Motor power consumption: 30 Watts

LED life: 30,000 hours

LED power consumption: 15 Watts

LED light color (CCT): 2700K warm white, 3000K soft white, 3500K neutral white, 4000K cool white, 5000K daylight

LED light brightness: 1000 lumens dimmable

UL Compliance

Ventilation Fan Motor Wheel Assembly OD is combined into Ventilation Fan Motor Housing D which is mounted into the ceiling opening. These components comply with UL File 507: section 10.6, section 62.2.3, section 62.4.1, and section 64A.9.

FCC Compliance

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ☐ Reorient or relocate the receiving antenna.
- ☐ Increase the separation between the equipment and receiver.
- ☐ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ☐ Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications made to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Federal Communication Commission (FCC) Radiation Exposure Statement

When using the product, maintain a distance of 20 cm from the body to ensure compliance with RF exposure requirements.

Pre-Installation

PLANNING INSTALLATION

Before beginning assembly of product, make sure all parts are present. Compare parts with package contents list and hardware contents list. If any part is missing or damaged, do not attempt to assemble, install or operate the product. Contact customer service for replacement parts.

Estimated Assembly Time: 60 minutes



WARNING: RISK OF ELECTRIC SHOCK! Ensure the electricity to the wires you are working on is shut off. Either remove the fuse or turn off the circuit breaker before removing the existing bath fan or installing the new one.



NOTE: Before removing your current ventilation fan, verify the wall switch box has the required wires necessary for this installation. These supply wires are power (black) and neutral (white), as shown in the wiring diagram below. If you do not see both of these wires, consult a licensed electrician.



NOTE: Keep your receipt and these instructions for proof of purchase.

- ☐ Check area above installation location to be sure that wiring can run to the planned location and that duct work can be run and the area is sufficient for proper ventilation.
- ☐ Inspect duct work and wiring before proceeding with installation.
- ☐ Before installation, provide inspection and future maintenance access at a location that will not interfere with installation work.
- ☐ You may need the help of a second person to install this fan; one person on the attic side and one on the room side.



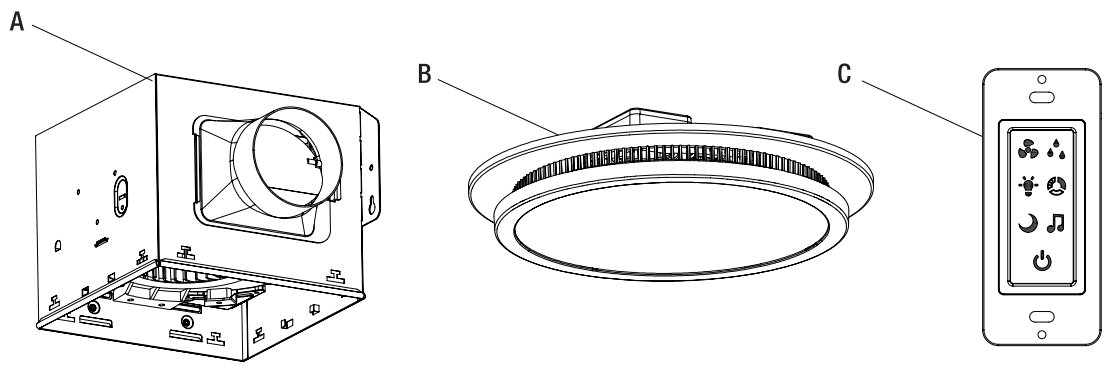
NOTE: Installation may vary depending on how the previous ventilation fan was installed. Supplies necessary for the installation of your ventilation fan are not all included; however, most are available at your local home improvement or hardware store.

Pre-Installation (continued)

TOOLS REQUIRED (NOT INCLUDED)

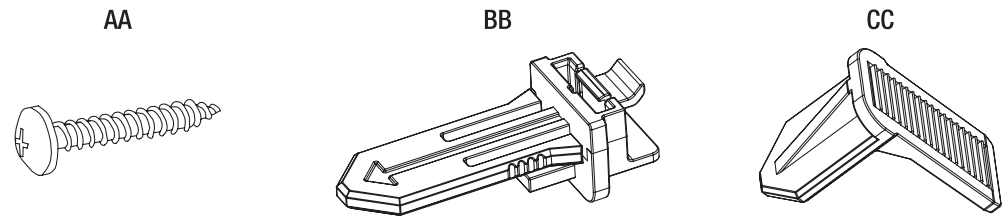


PACKAGE CONTENTS



Part	Description	Quantity
A	Fan housing	1
B	Grille with BLUETOOTH® speakers and LED light	1
C	LCD touchpad wall switch	1

HARDWARE INCLUDED



Part	Description	Quantity
AA	Wood screw	4
BB	Holding clip	5*
CC	Securing clip	5*

 **NOTE:** *Extra mounting clips are included.

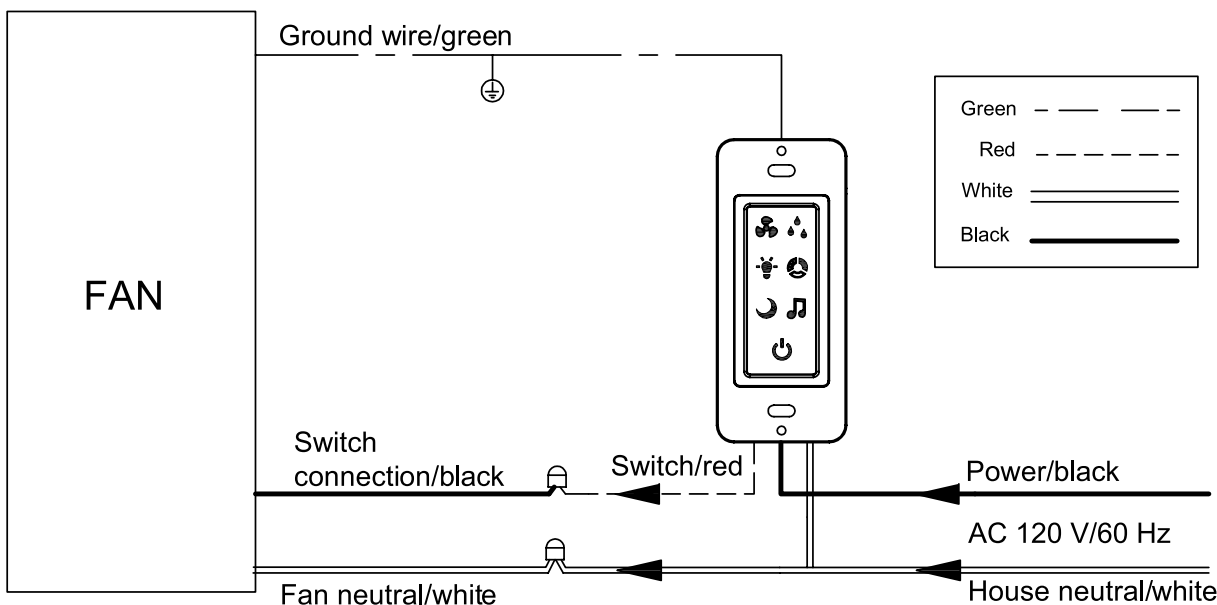
Pre-Installation (continued)

DIMENSIONS

Ceiling Opening (L)	Ceiling Opening (W)	Ceiling Opening (H)	Housing Dimension (L)	Housing Dimension (W)	Housing Dimension (H)
9-1/4 in.	9-1/4 in.	8-1/4 in.	9 in.	9 in.	7-11/16 in.

WIRING

All wiring must be connected for full functionality. The grille must be connected to the fan housing before supplying power to the fan in order for the LCD Touchpad Wall Switch to pair with the fan properly. Turning on the power supply before connecting the grille to the fan housing will interfere with the pairing process. Do not use metal wall plate with switch.



CAUTION: The switch included with this ventilation fan requires a dedicated neutral wire connection. If a neutral line is not present, one must be run by a qualified electrician.



NOTE: This switch is intended to only operate independently with this bath fan. Connections to other electrical fixtures is prohibited and could cause electrical issues.



NOTE: If you require assistance, please call 1-877-527-0313 before attempting switch installation.



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



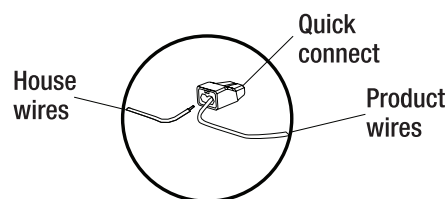
WARNING: COPPER TO COPPER ONLY. Do not use aluminum wire.



CAUTION: Wiring maximum temperature rating 221°F (105°C). 600 V maximum for building wiring and 1,000 V maximum for signs and light fixtures. The acceptable wire range is 12-18 AWG Sol. Cu.



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

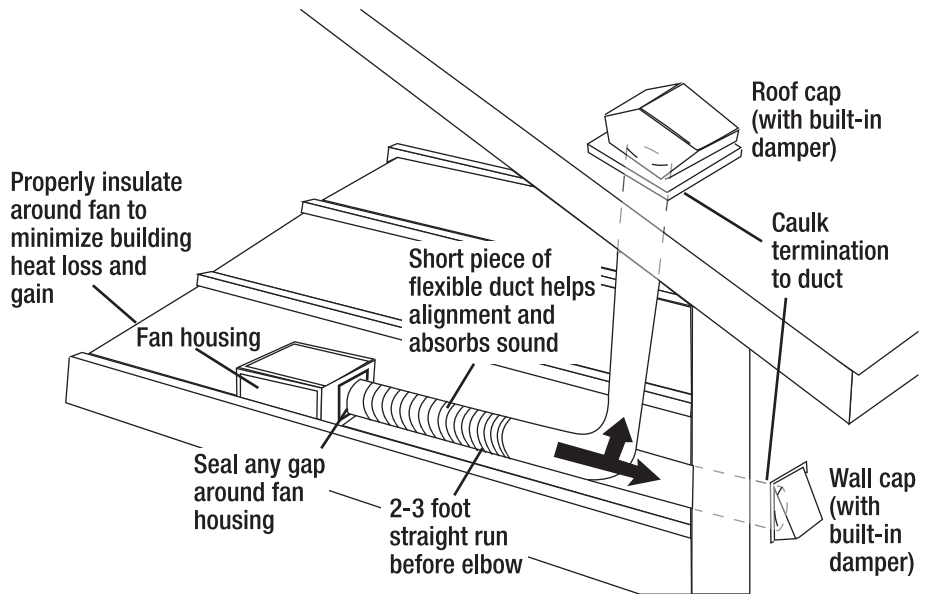


NOTE: The connector is reusable on solid wires of the same wire gauge or smaller. Do not reuse the connector on stranded wires.

- Strip wires 3/8 in. - 1/2 in.
- Grip the wire firmly and push the stripped end of the wire into the open port of the connector. Use only one conductor per port.
- Verify the stripped end of the wires is fully inserted to the back of the connector.

Typical Installation

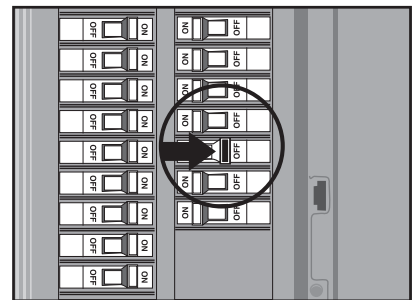
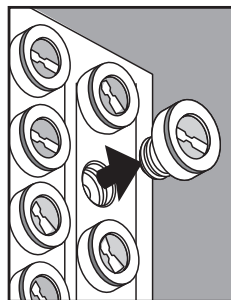
- It is recommended to apply proper insulation around the fan to minimize heat loss and gain.
- This fan is designed to be installed using a 4-in. duct. Using a rigid duct is recommended. Using a flexible duct, cut to size and/or fully extended is also acceptable.
- Ducting has a strong effect on the air flow, noise and energy use of the fan.
- Use the shortest, straightest duct routing possible for best performance.
- Avoid installing the fan with smaller ducts than recommended. Insulation around the ducts can reduce energy loss and inhibit mold growth.
- Fans installed with existing ducts may not achieve their rated airflow.



Installation - New Construction

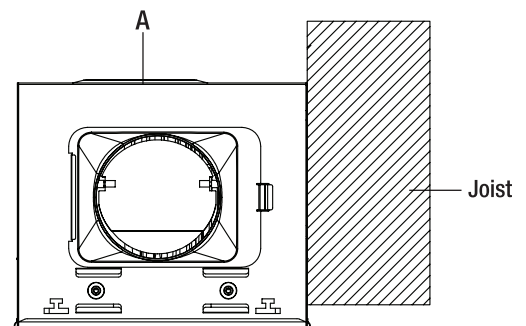


WARNING: RISK OF ELECTRIC SHOCK. Ensure the electricity to the wires you are working on is shut off. Either remove the fuse or turn off the circuit breaker before removing the existing bath fan or installing the new one.



1 Positioning the fan housing

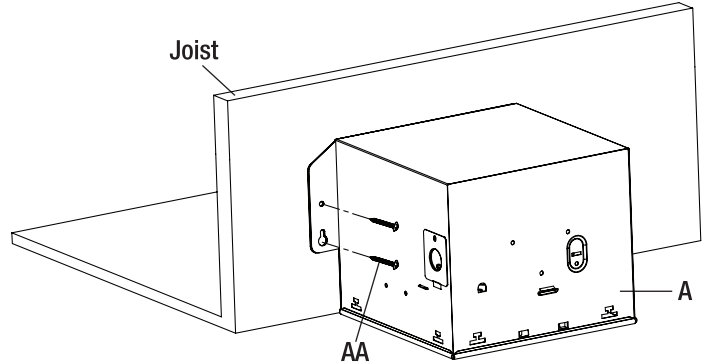
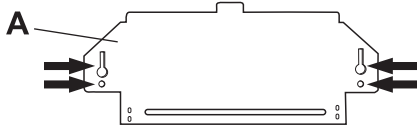
- Place the fan housing (A) next to a ceiling joist. The fan housing (A) should be level and perpendicular to the joist. Allow for thickness of ceiling board used in your application.
- Position the fan housing (A) so the bottom edge of the fan housing (A) will be flush with the ceiling board. Do not flush mount the fan housing (A) to the bottom of the joist.



Installation - New Construction (continued)

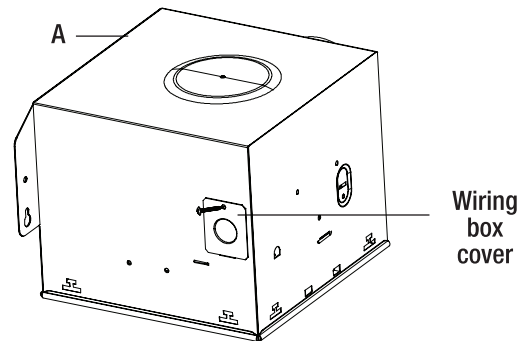
2 Securing the fan housing

- Mount the fan housing (A) to the joist by inserting wood screws (AA) into the holes indicated on the metal tabs of the fan housing (A).
- Tighten the wood screws (AA) until the fan housing (A) is firmly secured to the joist.



3 Removing the wiring box knockout

- Remove the wiring cover from the fan housing (A) with a Phillips screwdriver (not included).
- Remove the wiring knockout from the wiring box cover with a flathead screwdriver (not included).



4 Wiring the fan housing

- Pull the house wires through the hole in the wiring box cover.
- Using the quick connectors, connect the house wiring to the wall switch (C) and the fan housing (A). 14 AWG is the smallest conductor that should be used for branch circuit wiring. Please refer to the wiring diagrams on page 6 to ensure proper wire connections are made.
- Carefully push the wire connections into the wiring box housing. Reattach the wiring box cover.



CAUTION: If the electrical wires do not match the colors listed, consult a licensed electrician to determine what each house wire represents before connecting the fan.



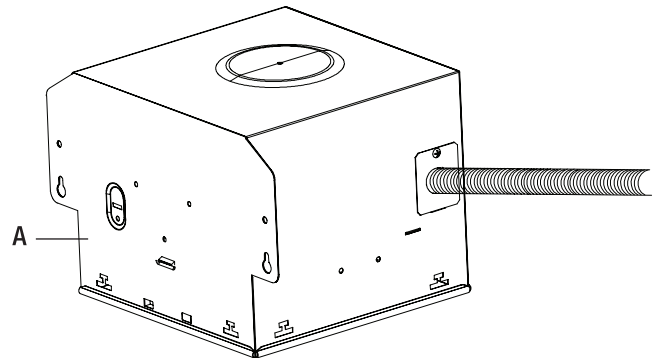
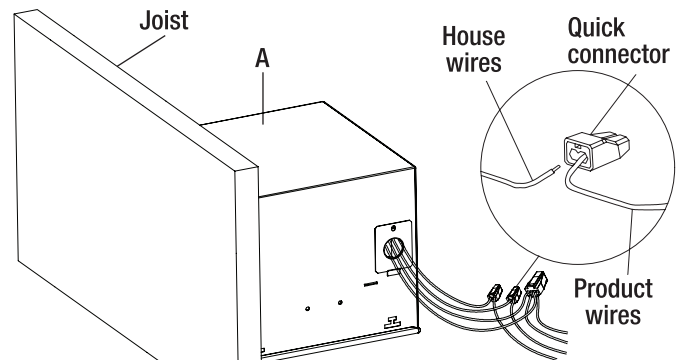
NOTE: Do not use metal wall plate with the wall switch (C), as it may cause interference with the fan operation.



CAUTION: The switch included with this ventilation fan requires a neutral wire connection. If a neutral line is not present, one must be run by a qualified electrician. If you require assistance, please call 1-877-527-0313 before attempting switch installation.



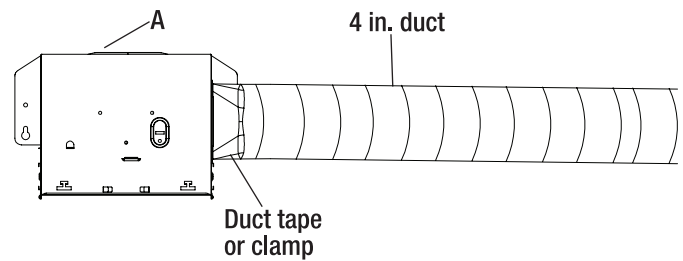
NOTE: This switch is intended to only operate with this bath fan. Connections to other electrical fixtures are prohibited and could cause electrical issues.



Installation - New Construction (continued)

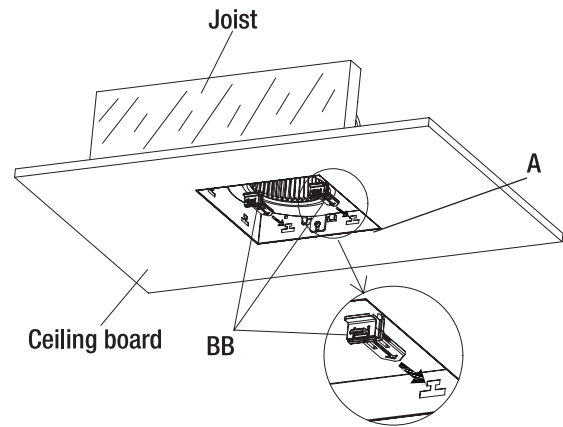
5 Connecting the duct

- Connect a 4 in. circular duct (not supplied) to the duct connector on the fan housing (A), securing it with duct tape or a clamp.
- Vent the duct to the outside.
- Finish drywall work.



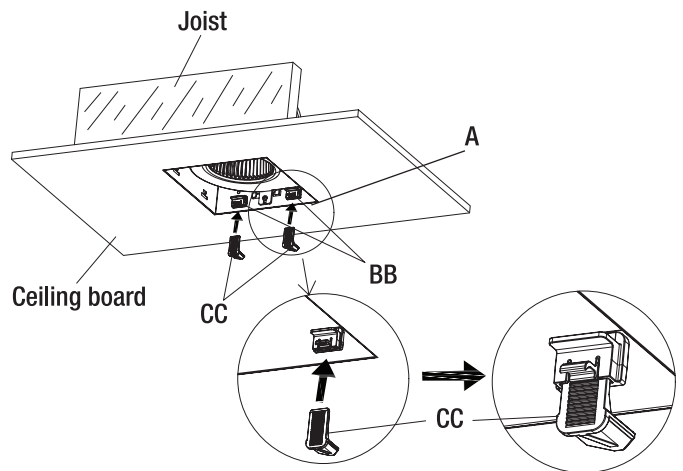
6 Attaching the housing to drywall

- Slide a holding clip (BB) through each of the two rectangular slots in the fan housing (A) on the side opposite from the ceiling joist and above the ceiling board.



7 Securing the mounting clips

- Slide a securing clip (CC) up through the rectangular slot in each of the two holding clips (BB) to secure the fan housing (A) to the ceiling board.
- Additional mounting clips (BB, CC) are not required for installation, but can be used on the two sides of the fan housing (A) perpendicular to the joist, if desired.
- Keep extra mounting clips for possible future use.

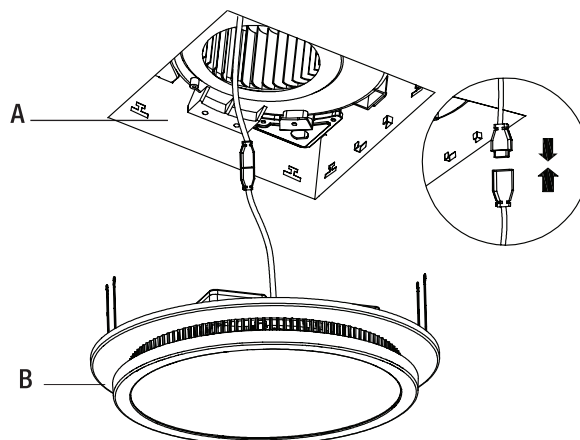


NOTE: If you need to disconnect the mounting clips (BB and CC), press the tab on the holding clip (BB) and pull out the clips.

Installation - New Construction (continued)

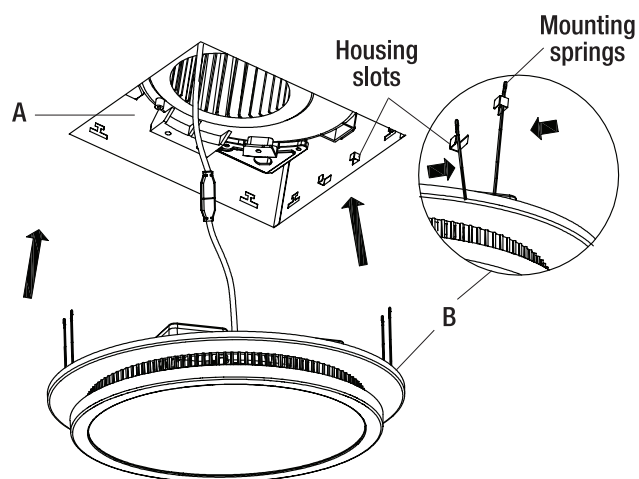
8 Joining the connectors

- Join the connectors for the BLUETOOTH® speakers and LED light from the fan housing (A) to the grille (B). The grille (B) must be connected before turning on power to the fan.



9 Installing the grille

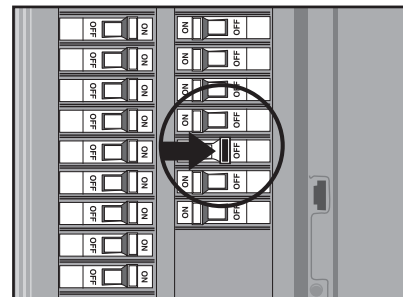
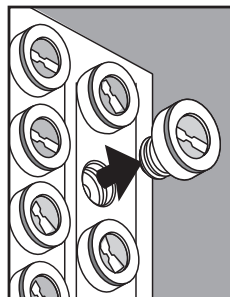
- Attach the grille (B) by pinching the mounting springs and inserting them into the narrow rectangular slots in the fan housing (A).
- Turn on the power source. Check the fan for any abnormal sounds or vibrations.



Installation - Existing Construction

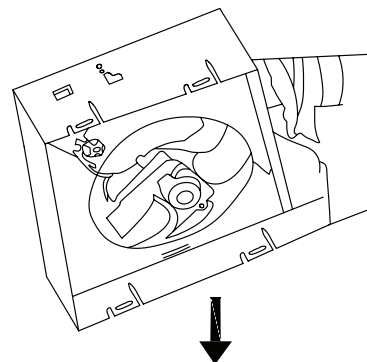


WARNING: RISK OF ELECTRIC SHOCK. Ensure the electricity to the wires you are working on is shut off. Either remove the fuse or turn off the circuit breaker before removing the existing bath fan or installing the new one.



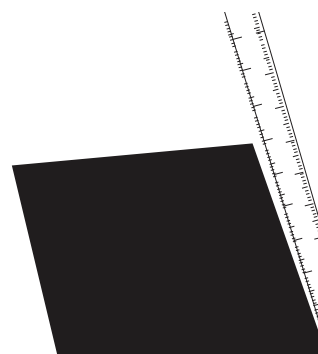
1 Removing the existing fan

- Remove the existing fan.



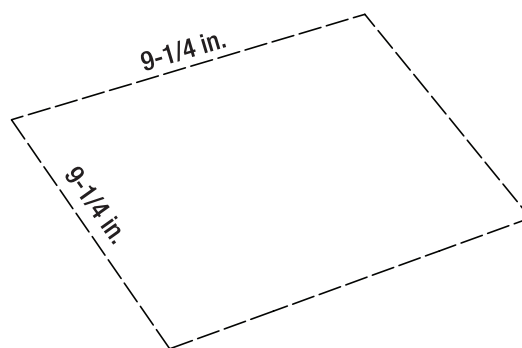
2 Measuring the ceiling opening

- Measure the opening to ensure it is large enough to accommodate the 9 in. x 9 in. dimensions of the new fan housing (A).



3 Enlarging the opening (optional)

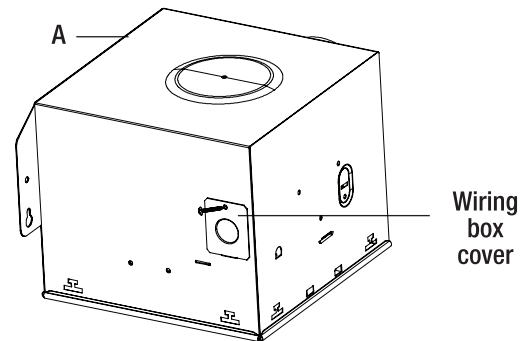
- If this fan is not replacing an old fan, be sure to cut a 9-1/4 in. x 9-1/4 in. opening for the fan housing (A).



Installation - Existing Construction (continued)

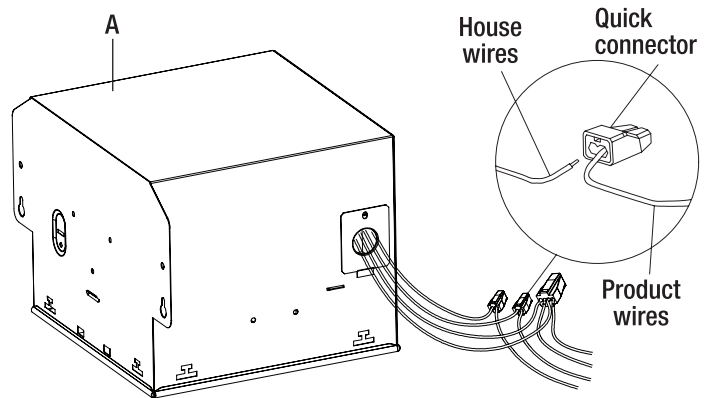
4 Removing the wiring box knockout

- Remove the wiring cover from the fan housing (A) with a Phillips screwdriver (not included).
- Remove the wiring knockout from the wiring box cover with a flathead screwdriver (not included).



5 Wiring the fan housing

- Pull the house wires through the hole in the wiring box cover.
- Using the quick connectors, connect the house wiring to the wall switch (C) and the fan housing (A). 14 AWG is the smallest conductor that should be used for branch-circuit wiring. Please refer to the wiring diagrams on page 6 to ensure proper wire connections are made.
- Carefully push the wire connections into the wiring box housing. Reattach the wiring box cover.



CAUTION: If the electrical wires do not match the colors listed, consult a licensed electrician to determine what each house wire represents before connecting the fan.



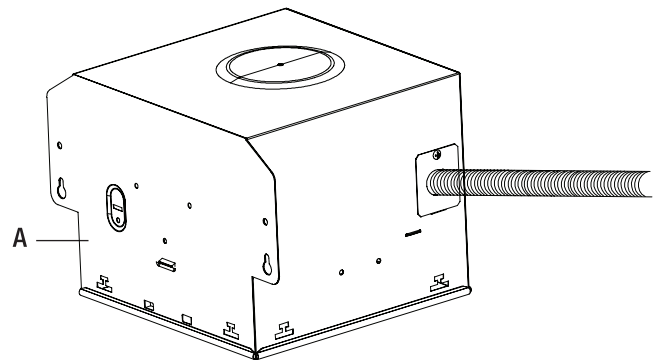
NOTE: Do not use metal wall plate with the wall switch (C), as it may cause interference with the fan operation.



CAUTION: The switch included with this ventilation fan requires a neutral wire connection. If a neutral line is not present, one must be run by a qualified electrician. If you require assistance, please call 1-877-527-0313 before attempting switch installation.

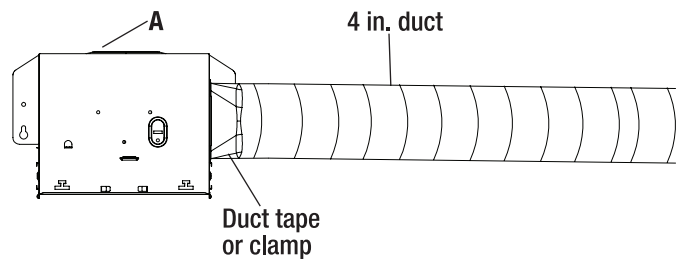


NOTE: This switch is intended to only operate with this bath fan. Connections to other electrical fixtures are prohibited and could cause electrical issues.



6 Connecting the duct

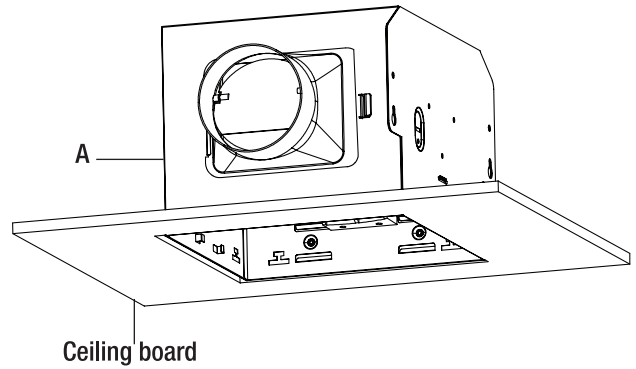
- Connect a 4 in. circular duct to the duct connector on the fan housing (A), securing it with duct tape or a clamp.
- Vent the duct to the outside.



Installation - Existing Construction (continued)

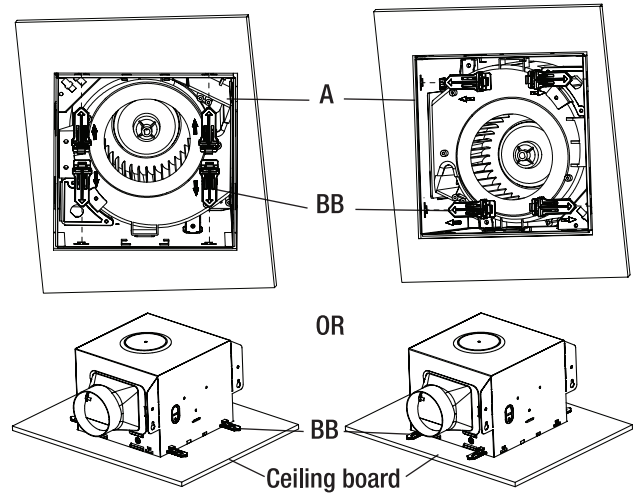
7 Inserting the fan housing

- With the wiring and duct connected, insert the fan housing (A) through the existing hole in the drywall.
- Position the fan housing (A) so the bottom edge of the fan housing (A) is flush with the ceiling board. The fan housing should be level and perpendicular to the joist.



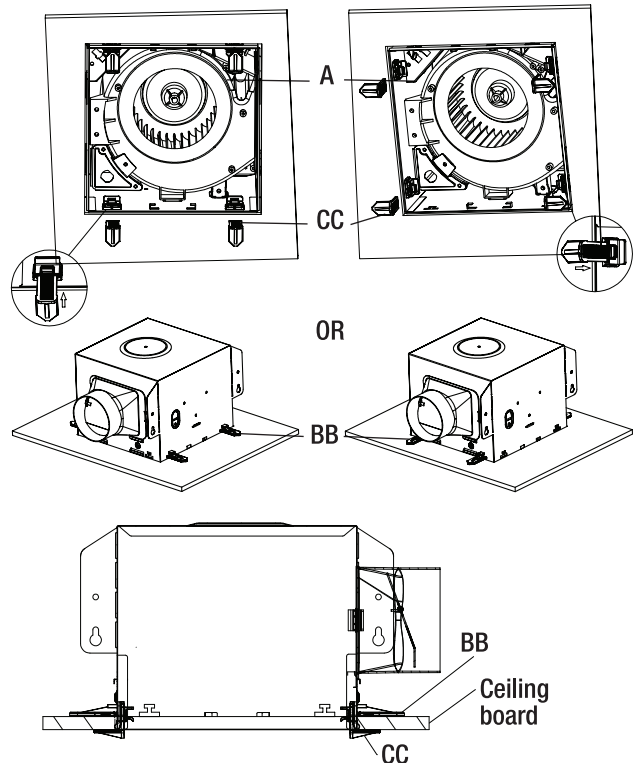
8 Securing the fan housing

- ❑ Slide a holding clip (BB) through each of the four rectangular slots on opposite sides of the fan housing (A) and above the ceiling board.
- ❑ If mounting next to a joist, place the mounting clips on the two sides of the fan housing (A) perpendicular to the joist.
- ❑ If mounting next to a joist, place the mounting clips on the other two sides of the fan housing (A).



9 Securing the mounting clips

- Slide a securing clip (CC) up through the rectangular slot in each of the four holding clips (BB) to secure the fan housing (A) to the ceiling board.
- Keep the extra set of mounting clips (BB, CC) for possible future use.

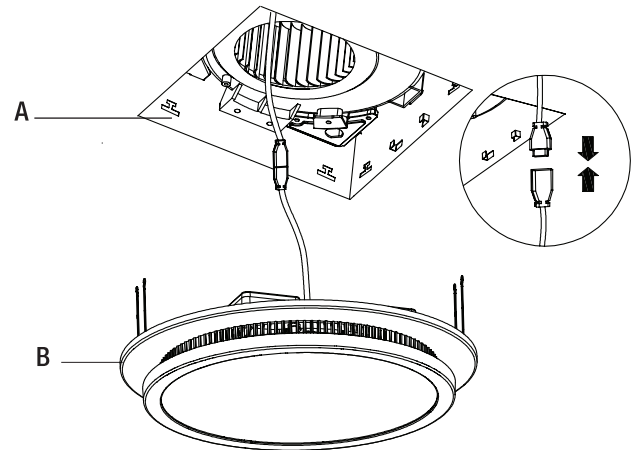


NOTE: If you need to disconnect the mounting clips (BB and CC), press the tab on the holding clip (BB) and pull out the clips.

Installation - Existing Construction (continued)

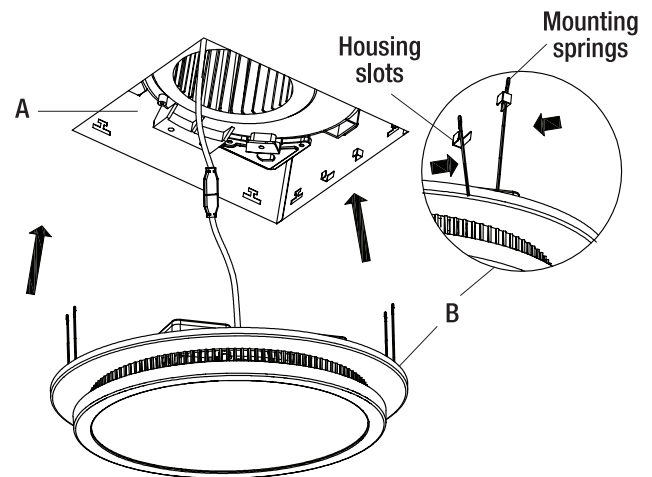
10 Joining the connectors

- Join the connectors for the BLUETOOTH® speakers and LED light from the fan housing (A) to the grille (B). The grille (B) must be connected before turning on power to the fan.



11 Installing the grille

- Attach the grille (B) by pinching the mounting springs and inserting them into the narrow rectangular slots in the fan housing (A).
- Turn on the power source. Check the fan for any abnormal sounds or vibrations.



Connecting Your BLUETOOTH® Device to the Speaker

1. To play your personal music files, you need a wireless BLUETOOTH® device.
2. Set your device to a midrange volume before connecting to the speaker.
3. Follow the instructions that came with your BLUETOOTH® device to make it discoverable or to set it to search for other BLUETOOTH® accessories. This may involve entering a passkey or PIN (Personal Identification Number).
4. From the Home screen, choose Settings > BLUETOOTH®, to search for the speaker.



NOTE: While your device can maintain multiple pairing records, it can only connect to one accessory at a time. This prevents your device from sending your data to the wrong BLUETOOTH® accessory.

5. Choose the Commercial Electric speaker, and then enter a passkey or PIN (0000) if prompted.
6. When pairing is complete, use the BLUETOOTH® speaker to play audio from your device.
7. Optimal volume setting for the BLUETOOTH® speaker is 70% or lower. Settings higher than 70% may cause sound distortion.

Care and Cleaning



CAUTION: Before attempting to clean the fixture, disconnect the power to the fixture by turning the breaker off or removing the fuse from the fuse box.

See safety information before proceeding. Routine maintenance should be done at least once a year.

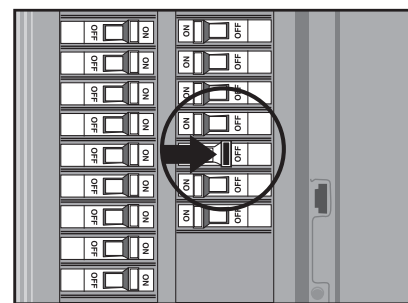
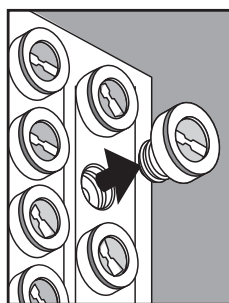
- ☐ Never use solvents, thinner, or harsh chemicals for cleaning the fan.
- ☐ Do not allow water to enter the motor.
- ☐ Do not immerse metal parts in water.
- ☐ Do not immerse resin parts in water more than 140°F.
- ☐ Do not immerse BLUETOOTH® speaker in water.



WARNING: RISK OF ELECTRIC SHOCK. Ensure the electricity to the wires you are working on is shut off. Either remove the fuse or turn off the circuit breaker before removing the existing bath fan or installing the new one.



CAUTION: Turn off electricity at breaker box before beginning installation. Review all safety precautions.

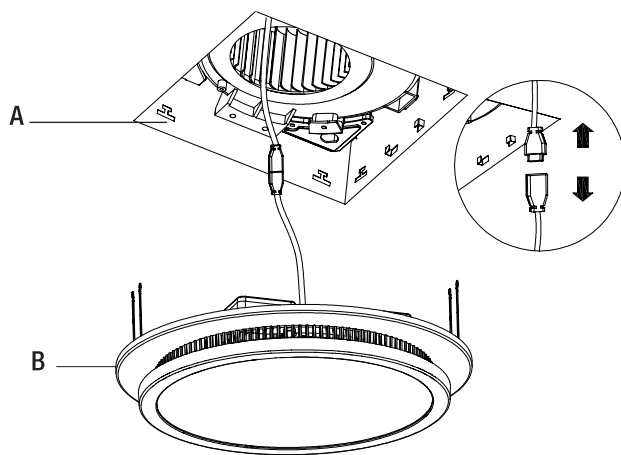


1 Removing the grille

- ☐ Squeeze the mounting springs and pull the grille (B) down from the fan housing (A).
- ☐ Disconnect the connectors to remove the grille (B) from the fan housing (A).
- ☐ Wipe grille (B) with a damp cloth.

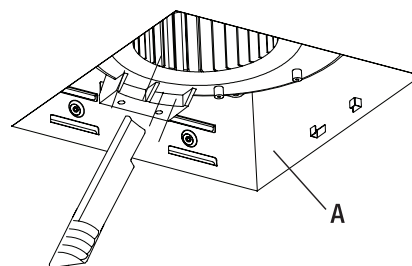


CAUTION: Do not immerse speakers in water.



2 Vacuuming the housing

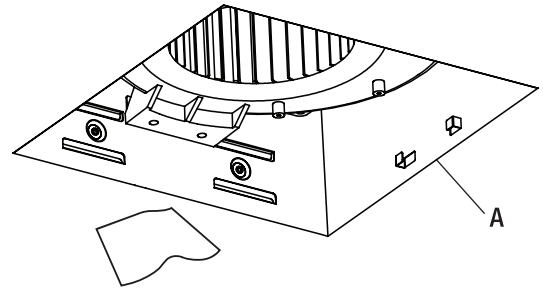
- ☐ Remove dust and dirt from the fan housing (A) with a vacuum cleaner.



Care and Cleaning (continued)

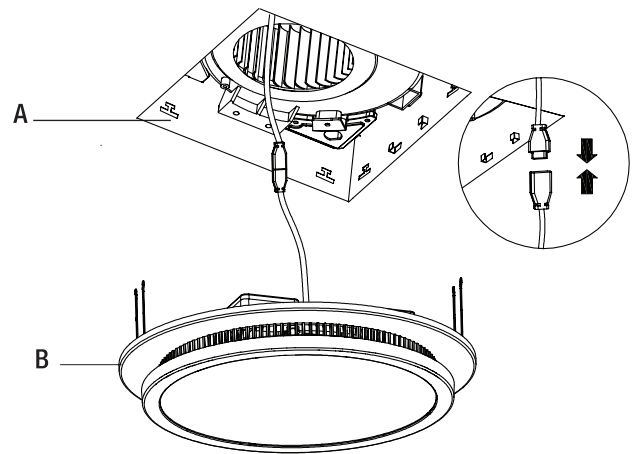
3 Cleaning the housing

- Wipe the fan housing (A) with a damp cloth and wipe dry.



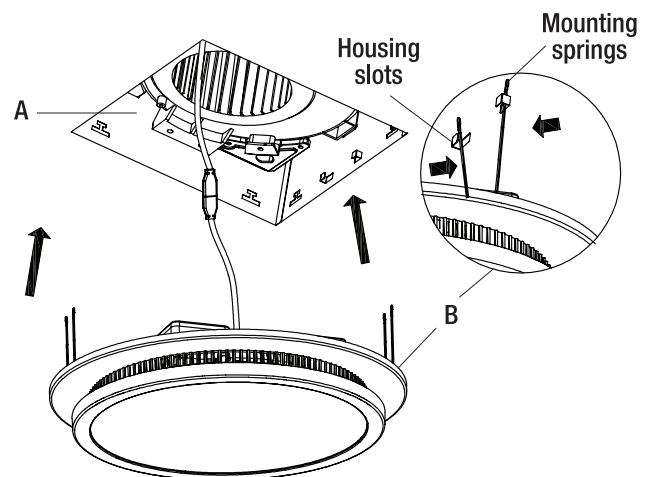
4 Rejoining the connectors

- Join the connectors for the BLUETOOTH® speakers and LED light from the fan housing (A) to the grille (B). The grille (B) must be connected BEFORE turning on power to the fan.



5 Reattaching the grille to the housing

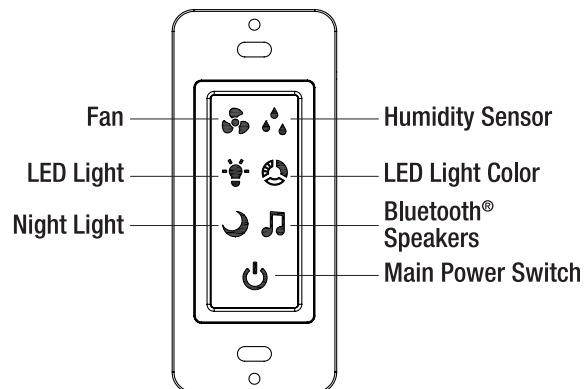
- Attach the grille (B) by pinching the mounting springs and inserting them into the narrow rectangular slots in the fan housing (A).
- Turn on power source. Test the unit.



Operating Instructions

1 Using the LCD wall switch

- ❑ Fan: Press for ON/OFF
- ❑ Humidity Sensor: When the humidity in the room is above 60%, the fan will automatically turn on. When the humidity in the room is below 60%, the fan will automatically turn off.
- ❑ LED Light: Press and release for ON/OFF. Press and hold to adjust brightness.
- ❑ LED Light Color: Press multiple times until the desired CCT is selected.
- ❑ Night Light: Press for ON/OFF.
- ❑ BLUETOOTH® Speakers: Press for ON/OFF. Adjust volume from your BLUETOOTH® device.
- ❑ Main Power Switch: Press for ON/OFF.



NOTE: Icon is illuminated when the feature is ON.

Troubleshooting

Problem	Possible Cause	Solution
The fan seems louder than it should be.	The CFM is too great.	Be sure the CFM rating on the fan matches the square footage of your room.
	The damper is damaged or not working properly.	Check the damper to ensure it is opening and closing properly. If the damper has become damaged, please call Customer Service.
	The bend in the duct is too close to the fan discharge.	Be sure you do not have any sharp bends in the duct within 18 in. of the fan discharge.
	The fan discharge is reduced to fit a smaller duct.	Use the recommended size ducting to reduce fan noise.
	The fan body is not attached securely.	Be sure the fan is securely attached to the ceiling joists.
The fan is not clearing humidity from the room.	There is insufficient airflow intake in the room.	Be sure a door or window is slightly ajar or open to allow airflow. The fan is not able to draw air out of the room without enough airflow.
	There is insufficient CFM.  NOTE: Using a tissue is not the correct method for determining if the fan is operating properly. If the fan clears steam from the room within approximately 15 minutes of completing your shower, then the fan is operating properly.	Be sure the CFM rating on the fan matches the square footage of your room.

Troubleshooting (continued)

Problem	Possible Cause	Solution
The fan is making vibrating sounds.	A mounting clip has come loose or has broken.	Remove the grille to check the mounting clips. Tighten any securing clips that have come loose so the holding and securing clips are snug against the ceiling board. If a mounting clip is cracked or broken, replace it with the extra set of clips provided.
The color of the LED light is too warm or too cool.	The color temperature selection doesn't match your lighting preference.	Select the desired color temperature: 2700K warm white, 3000K soft white, 3500K neutral white, 4000K cool white, or 5000K daylight.  NOTE: 2700K is the warmest white light, similar to incandescent lighting with a tinge of amber in the light. 5000K is the coolest white color, similar to daylight with a tinge of blue in the light.
Bluetooth device will not pair with the fan.	Another device is already paired.	Make sure BLUETOOTH® signal is turned off on other devices.
Switch will not power up.	There is a wiring issue at the switch, or the power is not turned on at the fuse box or circuit breaker.	Check the wiring diagram on Page 6 and confirm wiring is correct. Verify the power is turned on.
Switch has power, but the fan does not.	The grille is not receiving a signal from the switch.	Turn off power. Verify the connectors from the fan housing (A) to the grille (B) are connected correctly, then test. If necessary, disconnect the grille for 5 seconds, then reconnect the grille and test. Repeat as necessary.
	Neutral wire connection from the switch to the fan is not engaging.	Turn off power. Confirm the house neutral wire is connected to the switch neutral wire and fan neutral wire. The switch included with this ventilation fan requires a dedicated neutral wire connection. If a neutral line is not present, one must be run by a qualified electrician.
After the power is connected, all icons on the wall switch are illuminated and flashing.	There is a wiring issue at the switch.	Check the wiring on the wiring diagram on page 6, then reconnect the wiring correctly.



Questions, problems, missing parts? Before returning to the store,
call Commercial Electric Customer Service
8 a.m. - 7 p.m., EST, Monday-Friday, 9 a.m. - 6 p.m., EST, Saturday

1-877-527-0313

HOMEDEPOT.COM

Retain this manual for future use.