

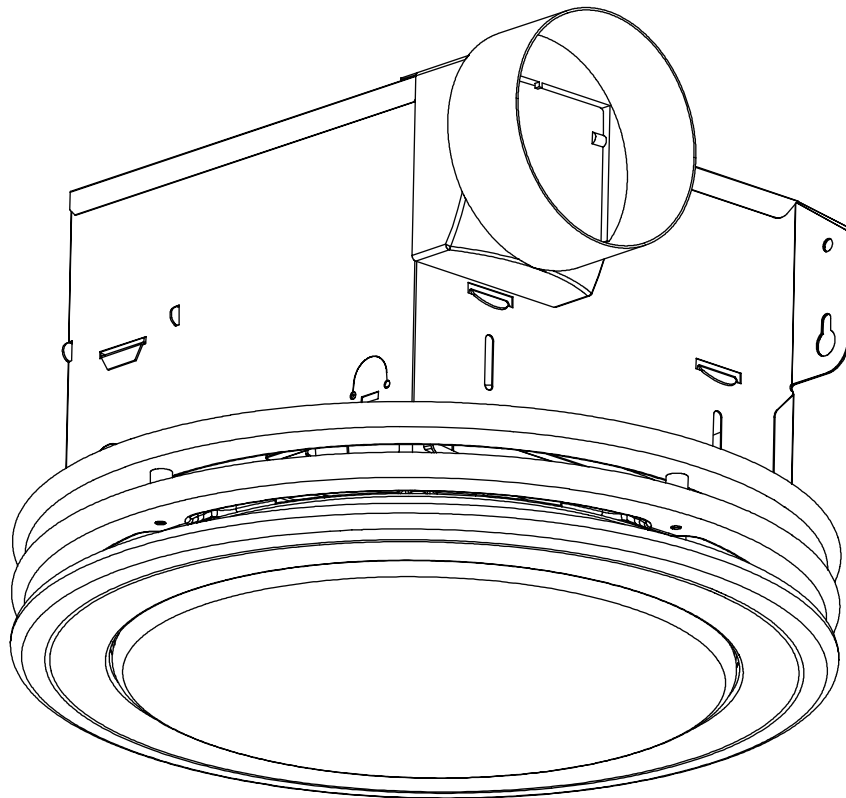


USE AND CARE GUIDE

BPT14-80CL

Bathroom Ventilation Fan with Light

READ AND SAVE THESE INSTRUCTIONS



Questions, problems, missing parts? Before returning to the store,
call AKICON Customer Service

8 a.m.-6 p.m., EST, Monday-Friday

TOLL FREE: +1 (888) 828 2025

service@akiconhvac.com

akiconhvac.com

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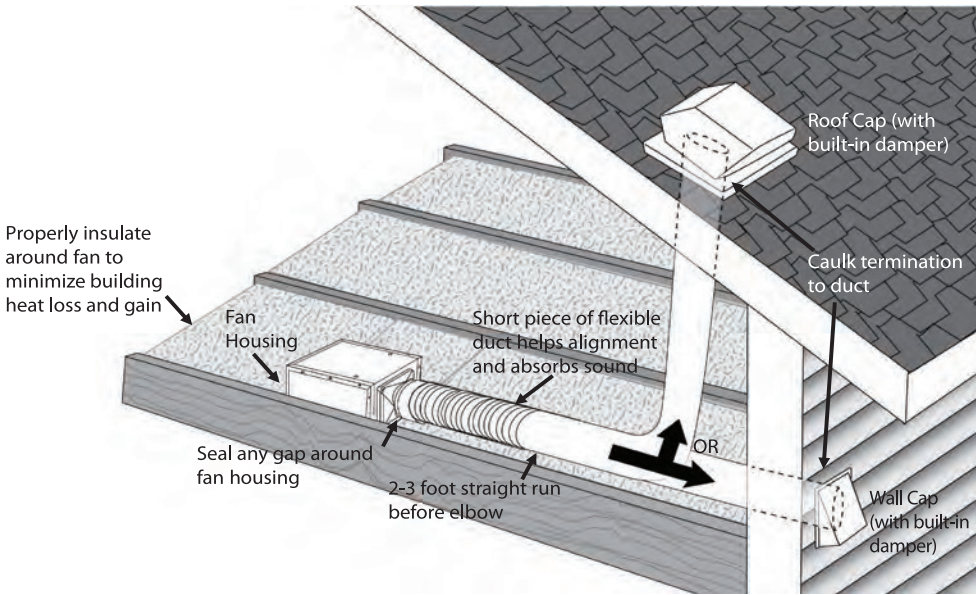
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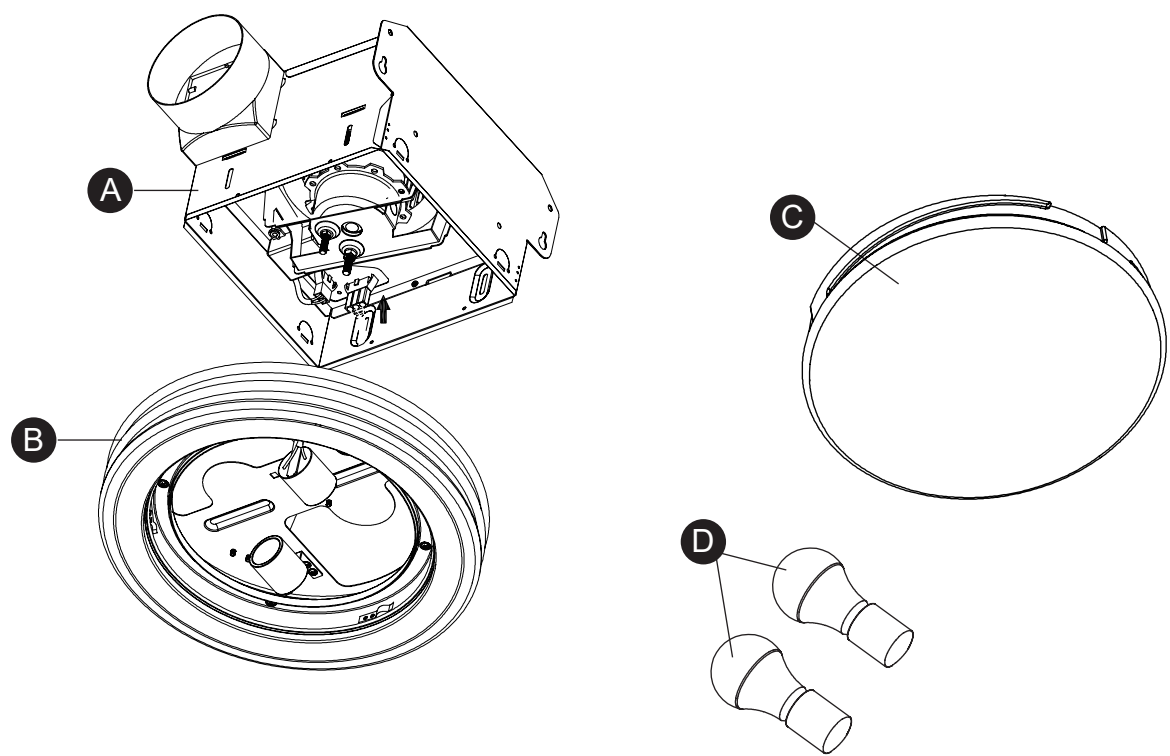
PRODUCT SPECIFICATIONS

SPECIFICATIONS	SPECIFICATIONS
Airflow - 80 CFM	Sound output - 2.0 Sones
120 V, 60 Hz	Power consumption - 27.6 W
Duct diameter - 4 in.	Weight - 13 lbs.

TYPICAL INSTALLATION



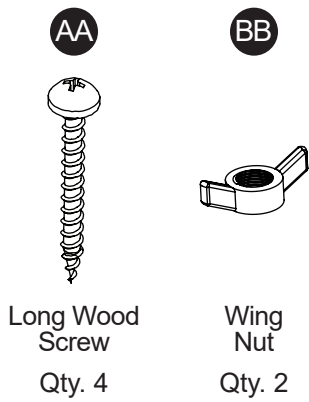
PACKAGE CONTENTS



PART	DESCRIPTION	QUANTITY
A	Fan housing	1
B	Light/rim assembly	1

PART	DESCRIPTION	QUANTITY
C	Glass globe	1
D	LED light bulbs	2

HARDWARE CONTENTS (not actual size)





SAFETY INFORMATION

READ AND SAVE THESE INSTRUCTIONS

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

1. Always disconnect the power supply prior to servicing the fan, motor or junction box.
2. Installation work must be carried out by a qualified person(s) in accordance to all local and safety codes including the rules for fire-rated construction.
3. Follow all local building, safety and electrical codes, as well as NEC (National Electrical Code) and OSHA (Occupational Safety and Health Act).
4. Electric service supply must be 120 volts, 60Hz.
5. This unit must be properly grounded.
6. Do not bend or kink the power wires.
7. Exercise care to not damage existing wiring when cutting or drilling into walls or ceilings.
8. Sufficient air supply is required for proper combustion and the exhaustion of gases through the chimney (flue) of fuel burning equipment to prevent back-drafting. See the standards of NFPA (National Fire Protection Association) and ASHRAE (American Society for Heating Refrigeration and Air Conditioning Engineers) and the local building code authorities.
9. 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.
10. This ventilation fan is approved for use over a bathtub or shower when installed in a GFCI protected circuit. Do not use fans over a bathtub or shower that are not approved for that application and marked accordingly.
11. Do not install in a cooking area.
12. Do not use to exhaust hazardous or explosive vapors.
13. Fans should always be vented to the exterior and in compliance with local codes.
14. Do not install in a ceiling with insulation greater than R40.
15. Duct work should be installed in a straight line with minimal bends.
16. Duct work size must be the same size as the discharge and should not be reduced. Reducing the duct size, may increase fan noise.
17. Prior to servicing or cleaning this unit, shut off power supply at the panel and lock to prevent the power from being turned on. If the panel cannot be locked, clearly mark the panel with a warning tag to prevent the power from being turned on.
18. Use this unit in the manner intended by the manufacturer. If you have any questions, please call the manufacturer (customer service number located on first page).
19. The fan is intended to be mounted at least 7 ft. (2.1 m) above the floor.

PREPARATION

WARNING: Turn off electricity at breaker box before beginning installation.

Carefully remove unit from carton.

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

PREPARATION

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.

Do not attempt to install this fan in a wall or vaulted ceiling. This fan is for standard horizontal ceiling installation only.

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.

Tools required for assembly (not included): Electric Drill, Drill Bits, Phillips Screwdriver, Utility Knife

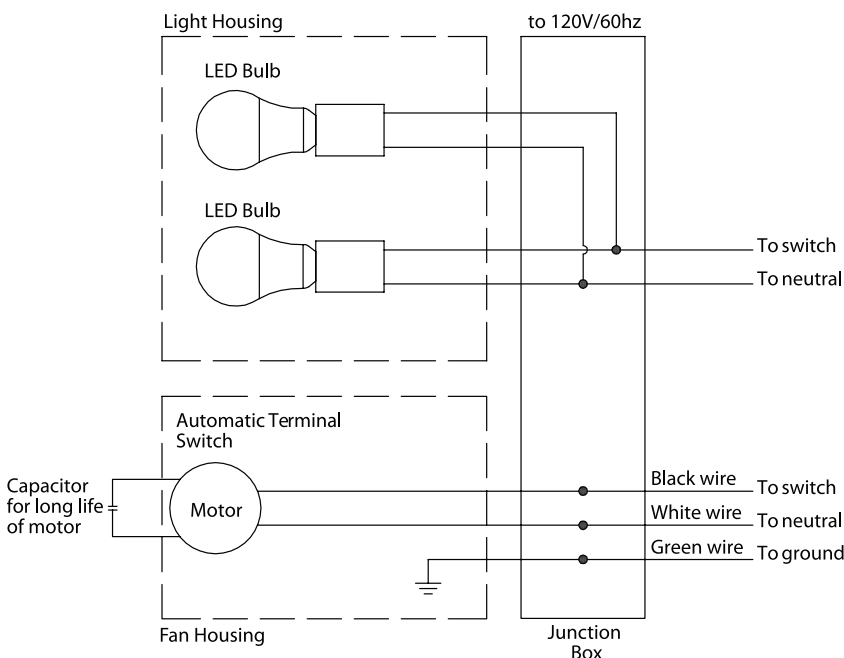
Other supplies you will need (not included): Duct Tape

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

DIMENSIONS

Ceiling Opening (L)	Ceiling Opening (W)	Ceiling Opening (H)
8-1/2 in.	8-5/16 in.	6-11/16 in.

WIRING DIAGRAM



QUICK CONNECTOR INSTRUCTIONS

To be sold only with installation instructions.

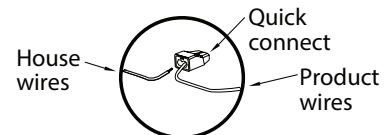
WARNING: Wiring must comply with all applicable electrical codes. Turn OFF power before removing or installing connectors.

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

CAUTION: Accessory part (quick connector) 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 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.



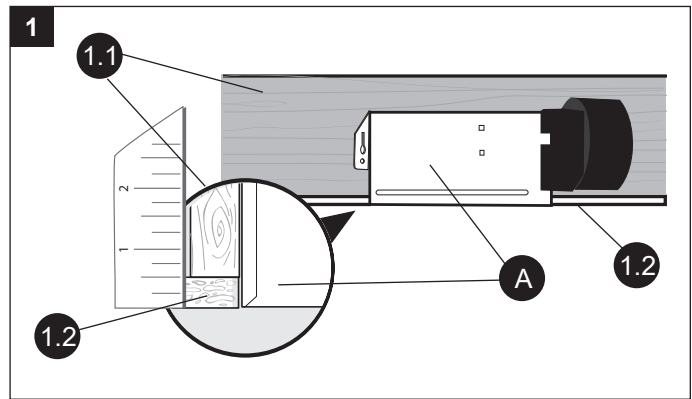
NOTE: Important wire information. Maximum temperature rating 221°F (105°C). 600 volts maximum for building wire and 1,000 volts maximum for building wire and 1,000 volts maximum in signs and lighting fixtures. The acceptable wire range includes: Solid: 12-18 AWG.

NEW CONSTRUCTION ASSEMBLY INSTRUCTIONS

NEW CONSTRUCTION – ATTACHING TO THE JOIST

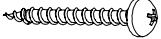
BEFORE INSTALLATION – Turn off power source. Review all safety precautions.

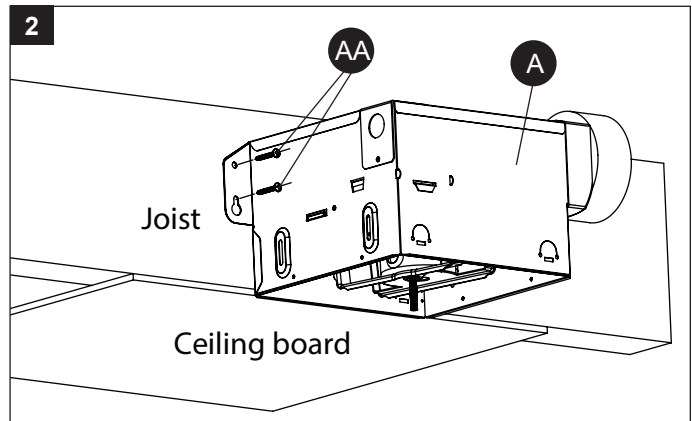
1. Place the fan housing (A) next to a ceiling joist or wall stud (1.1). The fan housing (A) should be level and perpendicular to the joist or wall stud (1.1). Allow for thickness of ceiling board (1.2) used in your application. **DO NOT** flush mount to joist or wall stud (1.1). Bottom of fan housing (A) should be flush with the ceiling board (1.2).



2. Mount the fan housing (A) to joist using the long wood screws (AA) on both sides.

Hardware Used

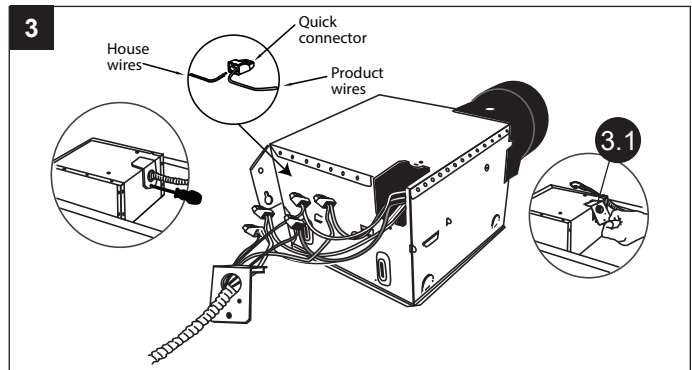
AA Long wood screw  x 4



3. Remove wiring box cover (3.1). Pull the house wires through the wire box cover hole. Using a quick connector, secure 120 V AC house wiring from the wall switch to the fan as shown in the wiring diagram on page 5. 14 AWG is the smallest conductor that should be used for branch-circuit wiring.

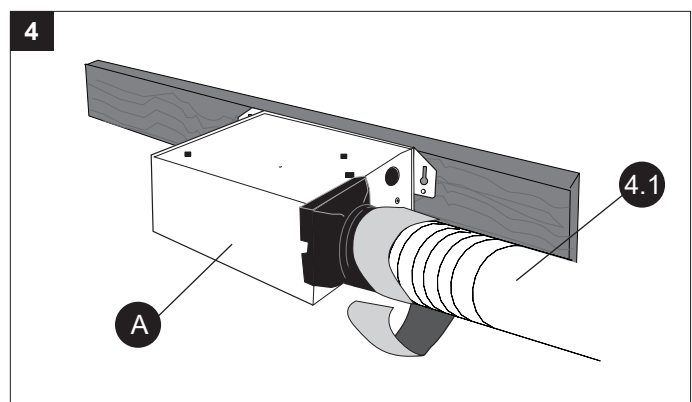
Carefully push the connected wires back into the wiring box housing. Reattach the wiring box cover (3.1).

CAUTION: If the electrical wires do not match the colors listed, you must determine what each house wire represents before connecting. You may need to consult an electrical contractor to determine safely.



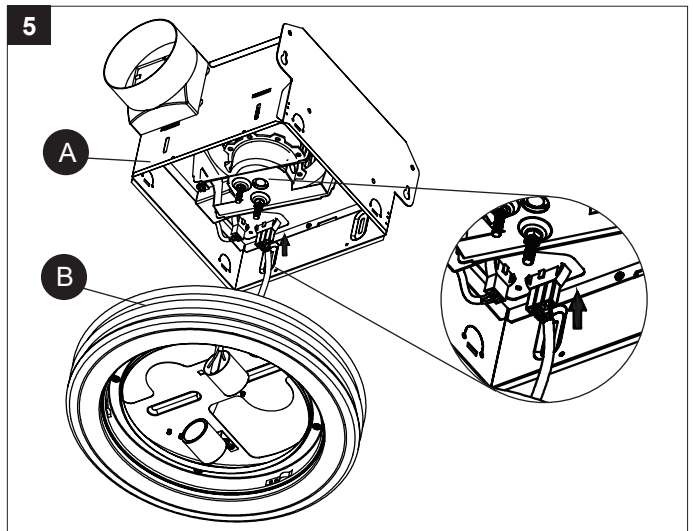
4. Install a circular 4 in. duct (4.1) (not included) and secure it with duct tape or clamps (neither included).

Finish ceiling work. Ceiling hole should be aligned with edge of fan housing (A).



NEW CONSTRUCTION ASSEMBLY INSTRUCTIONS

5. Plug light/rim assembly (B) into the fan housing (A).

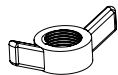


6. Slide light/rim assembly (B) onto threaded studs (6.1). Secure with wing nuts (BB).

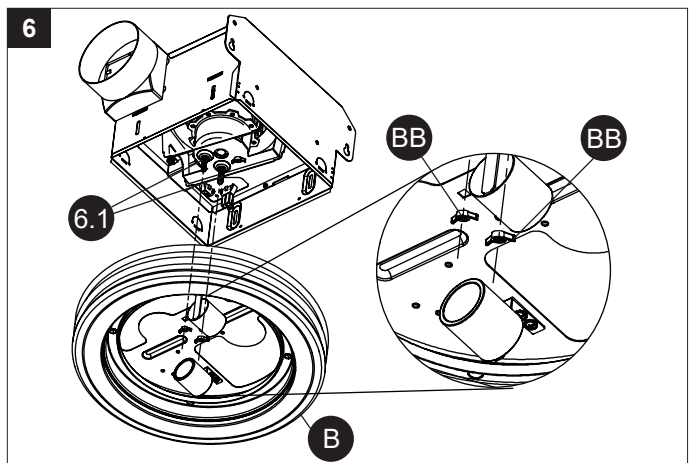
Hardware Used

BB

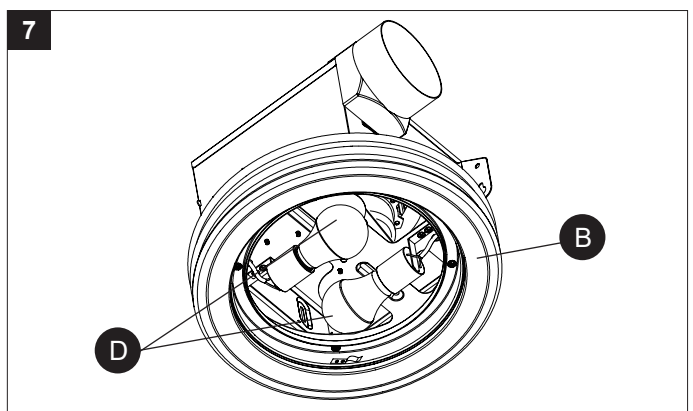
Wing nut



x 2

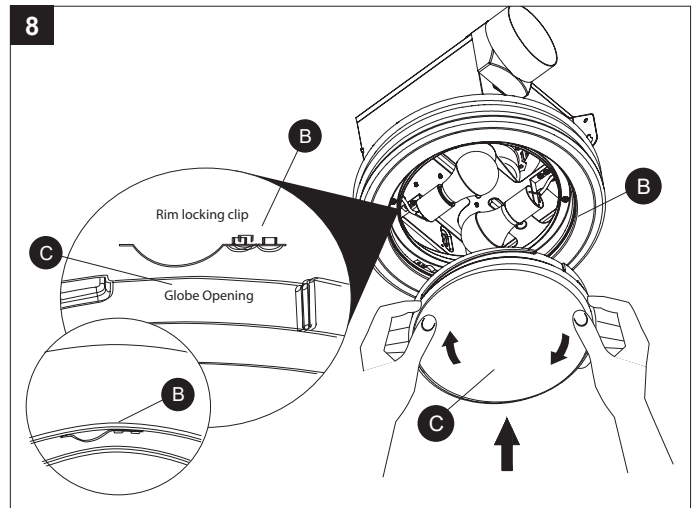


7. Screw two LED light bulbs (D) into the light/rim assembly (B).



NEW CONSTRUCTION ASSEMBLY INSTRUCTIONS

- Place glass globe (C) up to the light/rim/assembly (B). Align the three rim locking clips on the light/rim assembly (B) with the indents on the glass globe (C). Push glass globe (C) into the light/rim assembly (B) and rotate clockwise until glass globe stops (open to close distance is 5-3/16") to lock into place.



EXISTING CONSTRUCTION ASSEMBLY INSTRUCTIONS

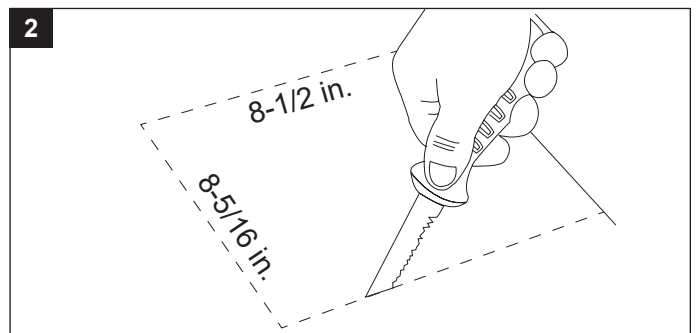
Installing the fan housing in an existing building **REQUIRES AN ACCESSIBLE AREA** (attic or crawl space) above the planned installation location and existing duct and wiring.

BEFORE INSTALLATION – Turn off power source. Review all safety precautions. Remove existing fan.

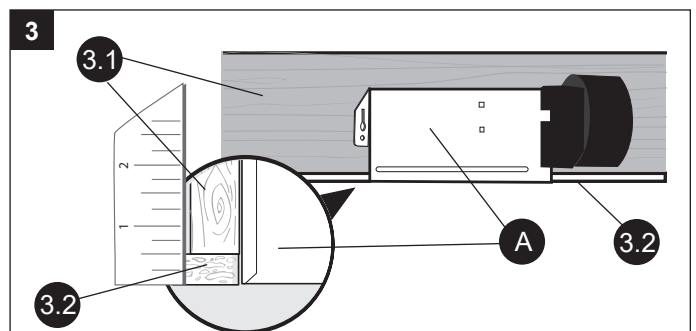
- Measure the opening to ensure it is large enough to accommodate the new fan housing (8-7/16 in. x 8-1/4 in.).



- If this fan is not replacing an old fan, be sure to cut a 8-1/2 in. x 8-5/16 in. opening for the fan housing.



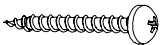
- Place the fan housing (A) next to a ceiling joist or wall stud (3.1). The fan housing (A) should be level and perpendicular to the joist or wall stud (3.1). Allow for thickness of ceiling board (3.2) used in your application. DO NOT flush mount to joist or wall stud (3.1). Bottom of fan housing (A) should be flush with the ceiling board (3.2).

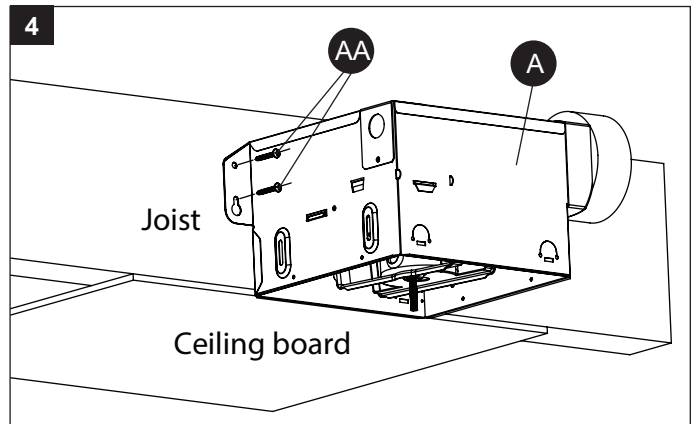


EXISTING CONSTRUCTION ASSEMBLY INSTRUCTIONS

4. Mount the fan housing (A) to joist using the long wood screws (AA) on both sides.

Hardware Used

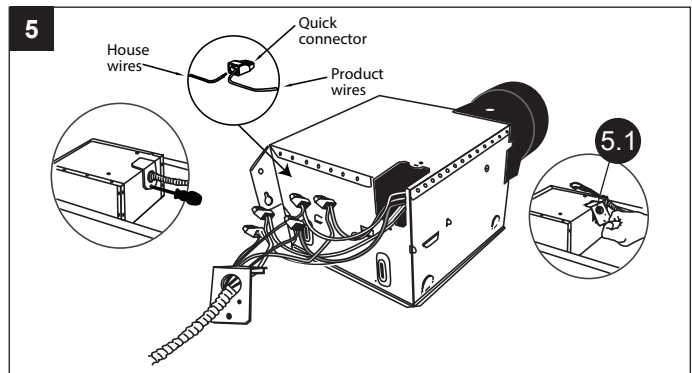
AA Long wood screw  x 4



5. Remove wiring box cover (5.1). Pull the house wires through the wire box cover hole. Using a quick connector, secure 120 V AC house wiring from the wall switch to the fan as shown in the wiring diagram on page 5. 14 AWG is the smallest conductor that should be used for branch-circuit wiring.

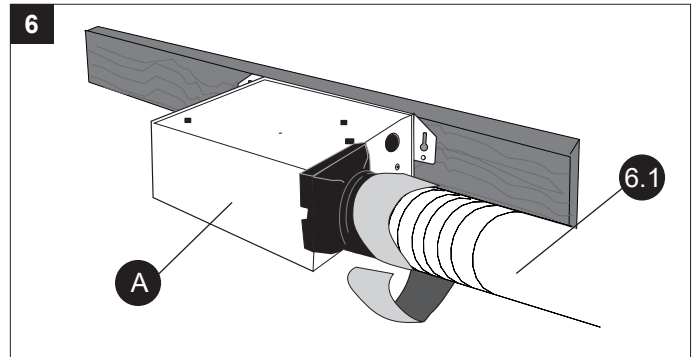
Carefully push the connected wires back into the wiring box housing. Reattach the wiring box cover (5.1).

CAUTION: If the electrical wires do not match the colors listed, you must determine what each house wire represents before connecting. You may need to consult an electrical contractor to determine safely.



6. Install a circular 4 in. duct (6.1) (not included) and secure it with duct tape or clamps (neither included).

Finish ceiling work. Ceiling hole should be aligned with edge of fan housing (A).



7. Plug light/rim assembly (B) into the fan housing (A).

