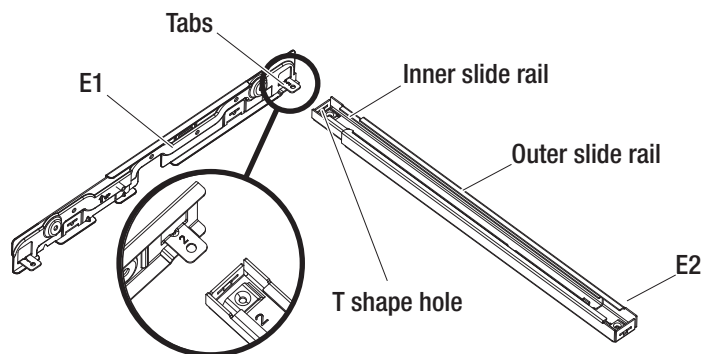


Pre-Assembly Flex Bracket

FLEX BRACKET INSTALLATION

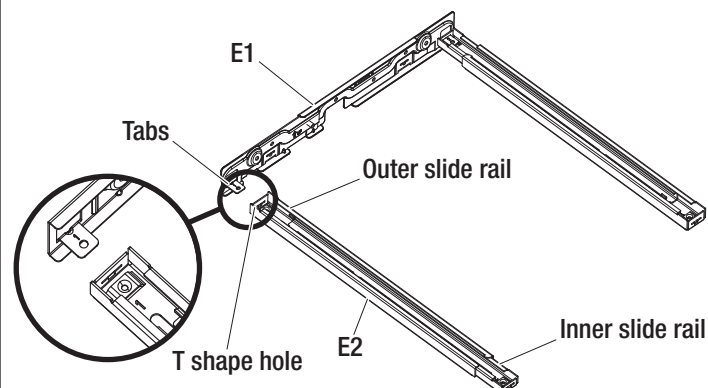
1 Install the flex bracket

- Put one piece bracket side (E1) on the desk, align with the number from Tab and slide rail, and insert the tab into the T shape hole of inner slide rail (E2).



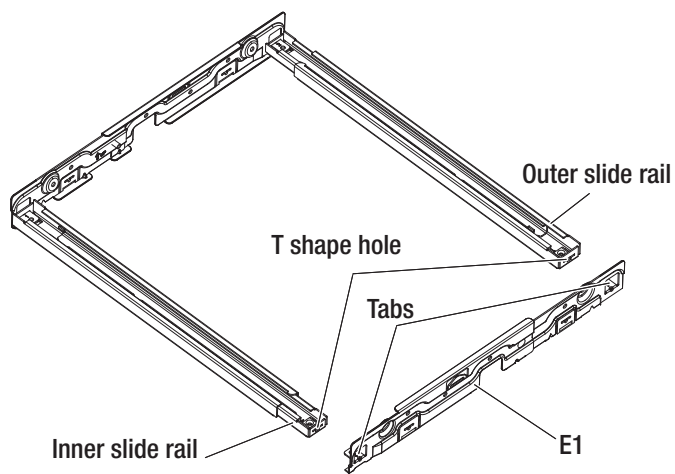
2 Copy step 1

- Align with the number from Tab and slide rail, and insert the tab into the T shape hole of another outer slide rail.



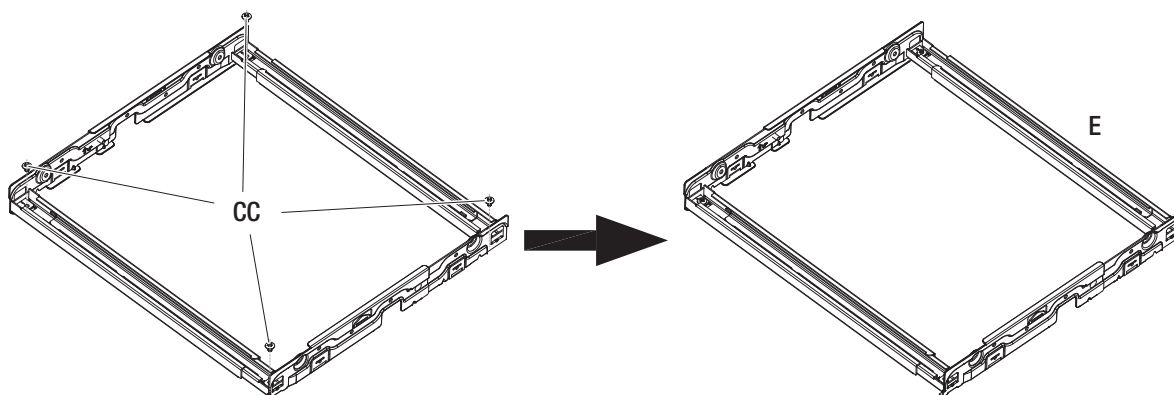
3 Copy step 2

- Install another bracket side into two set of slide rails.



4 Completing the flex bracket installation

- Install 4 screws (CC) onto the four connect holes. Flex Bracket (E) installation completed.



Installation

NEW CONSTRUCTION WITH FLEX BRACKET



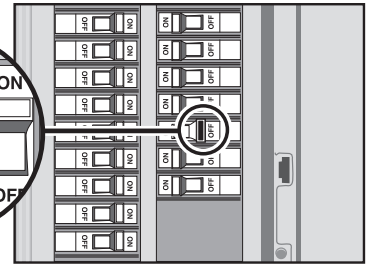
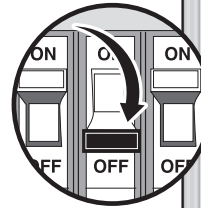
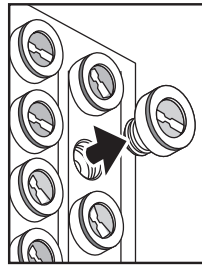
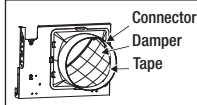
CAUTION: Make sure power is switched off at service panel before starting installation. Wear gloves during installing to help protect your hands from injury.



NOTE: Ceiling mount only.

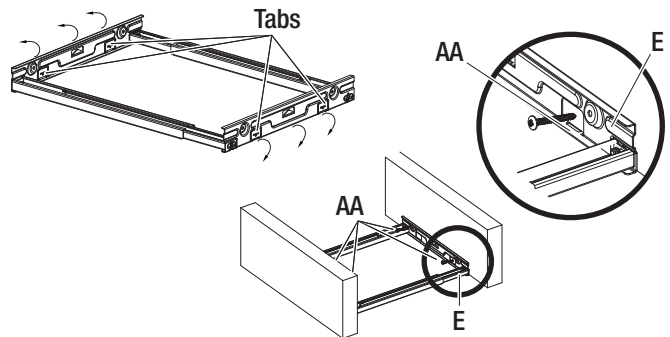


IMPORTANT: Please remove the tape, which protects the damper during shipping and installation, from the duct connector as shown.



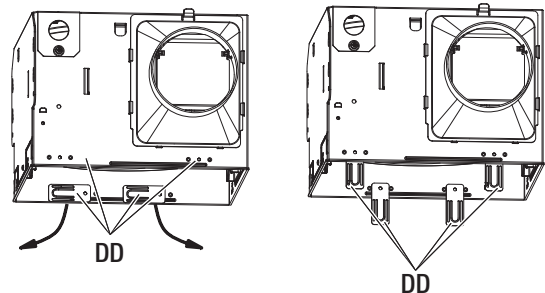
1 Install the flex bracket

- Bend down 6 tabs on the side of flex bracket (E) for positioning, lift flex bracket lean against the joist and the left and right side tabs close to the bottom of flex joist, and then insert the middle tab into joist, pre-install the flex bracket to joists by using 2 screws (AA) on one side. Adjust the length of flex bracket (E) to fit the spacing between the joists (11.5 in. to 22 in.).
- Attach the flex bracket with the other 2 screws (AA).
- Please make sure the bottom of the flex bracket will be flush with the bottom of the joists.



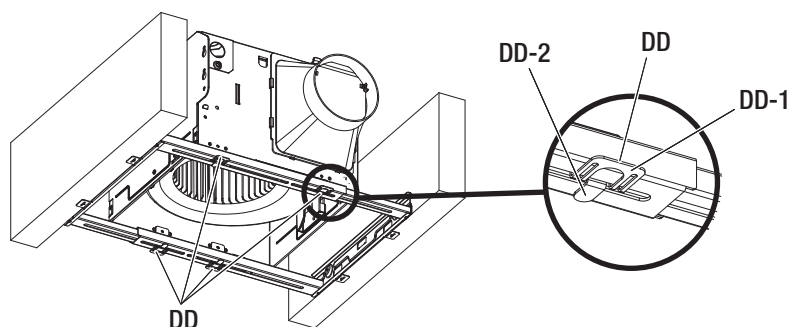
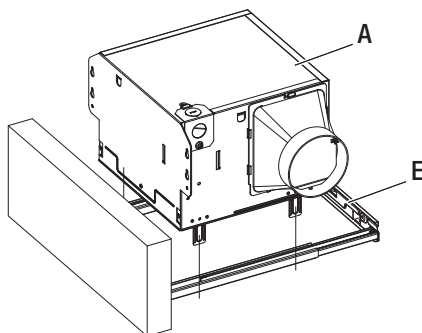
2 Adjust the tabs of fan housing

- Pull the 4 tabs (DD) of the fan housing into the vertical position.



3 Install the fan housing on bracket

- Align the 4 tabs (DD) on the fan housing through the slots on the flex bracket (E). Then insert the tabs through the slots until the fan housing (A) sitting on the flex bracket (E).
- Then bend the tabs (DD) to both sides to attach the fan housing firmly on the flex bracket (E).



Installation (continued)

4 Install the fan housing on bracket

- Loosen the short screw (BB) and remove the wire cover (D).
- Pull the house wires through the knockout of wire cover (D). Using the quick connectors (C) to connect 120 V AC house wiring from the wall switch to the fan as shown in the wiring diagram on page 4.
- Carefully push the connected wires back into the wiring compartment of the fan housing (A). Reattach the wire cover (D) and attach it firmly with the short screw (BB).



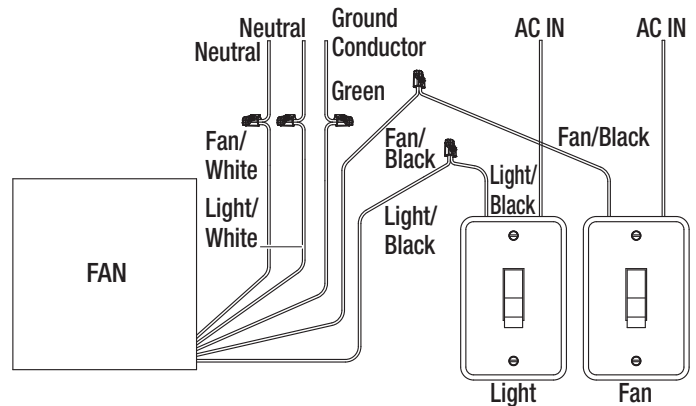
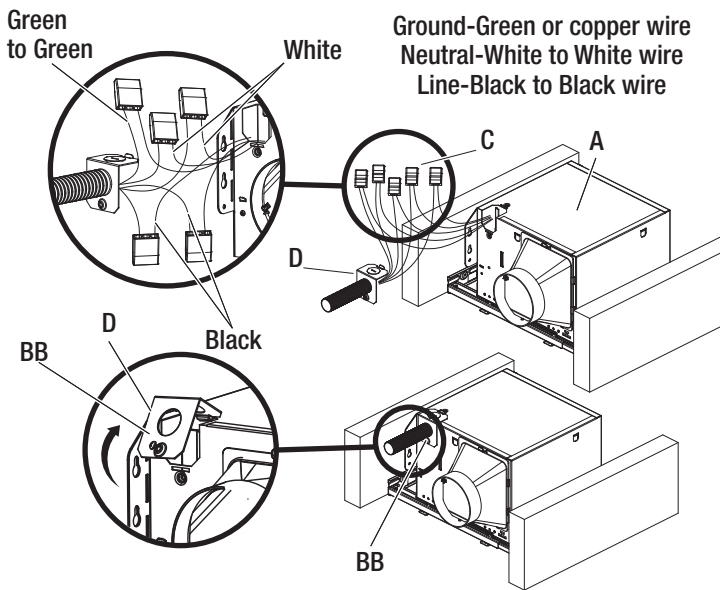
CAUTION: If the electrical wires do not match the colors listed, you must determine what each house wire represents before connecting. You may need to consult an electrical contractor to determine safely.



NOTE: Attach the 1/2" ROMEX connector or 1/2" Flexible Metal Conduit connector (supplied by others) to wiring compartment cover and lock in place with 1/2" lock nut included with connector.



NOTE: 2 independent fan and light switches required for full functionality.

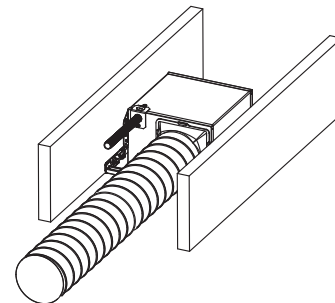


5 Connect the duct

- Connect a 4 in. circular duct (not supplied) and vent to the duct connector. Secure it with duct tape (not supplied) or a clamp (not supplied) to make the connection secure and air tight.
- Turn on the power source. Check the fan for any abnormal sound or vibration.



CAUTION: After checking the fan, please remember to turn off the power before next installation step.



Installation (continued)

6 Finish the ceiling work

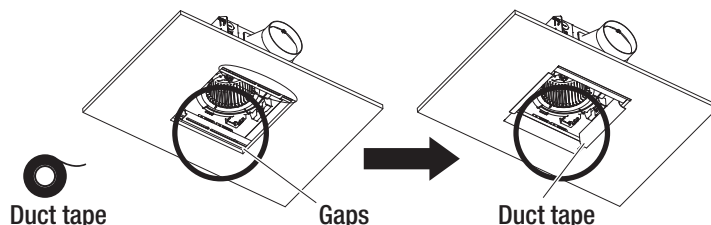
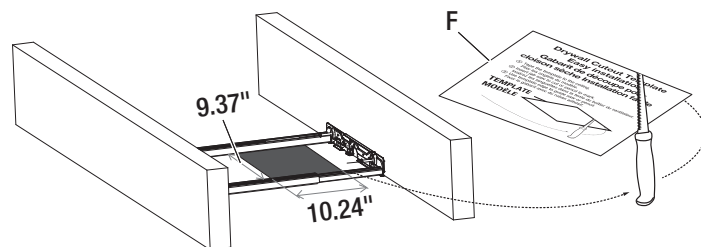
- After electrical and construction inspection is completed, the dry wall ceiling can be installed.
- Cut the ceiling hole with the cut-hole template (F) or the size 10.24" x 9.37" (260 mm x 238 mm). Ceiling hole should be aligned with the inside edge of fan housing.



IMPORTANT: Cover and seal up all gaps with duct tape.



NOTE: That it is common practice in heating and ventilation systems using sheet metal duct work and fittings or flexible duct work tubing to use duct tape or aluminum tape to ensure airtight seals and improve efficiency.



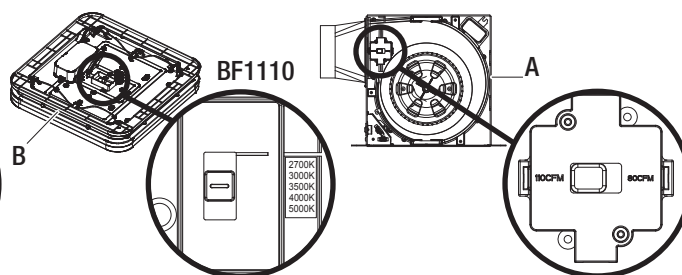
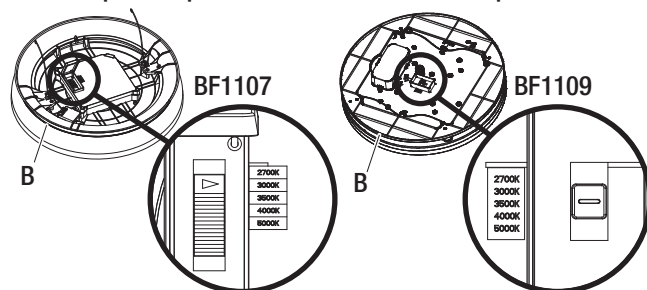
7 Select the light color and airflow

- Select desired LED color temperature by sliding the toggle switch on the back of the grille (B). Fasten down the waterproof cap after selected LED color temperature.

- Select desired airflow (80 CFM or 110 CFM) by sliding the toggle switch on the bottom of the housing (A).



NOTE: Make sure the waterproof cap installed well to prevent water from entering.



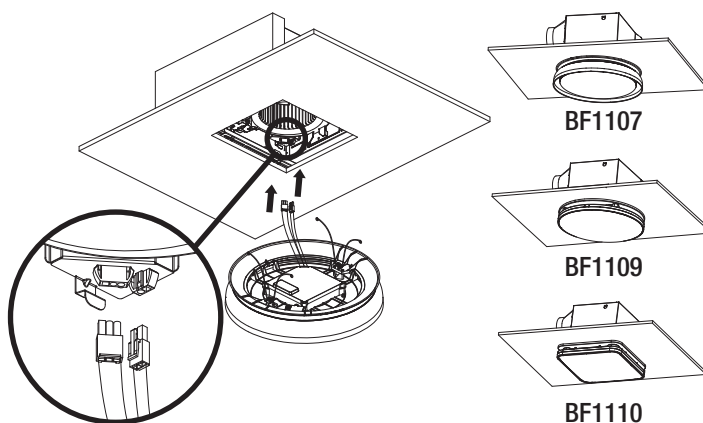
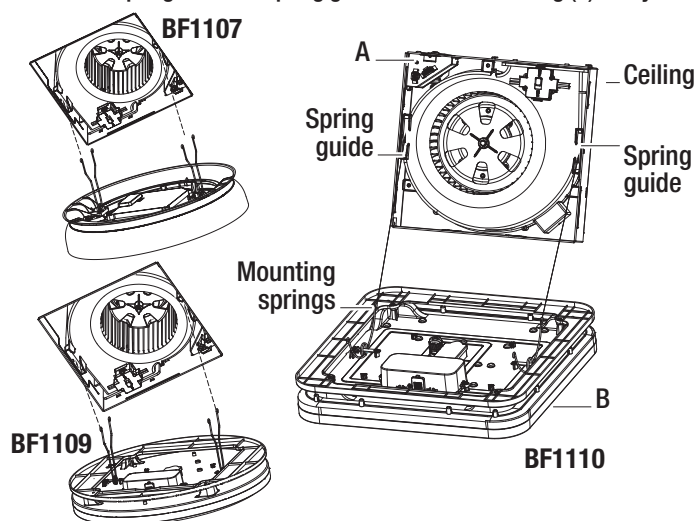
8 Install the grille with light

- Attach the grille by squeezing one spring together and inserting the springs into the spring guides in the fan housing (A) firstly.

- Connect LED wire to fan housing by terminal.
- Then insert another spring and push the grille (B) up against the ceiling.
- Check that the installation is secure and safe from falling objects.



NOTE: Suggest the humidity sensor indicator light face to the bathroom door.



Installation (continued)

NEW CONSTRUCTION WITHOUT FLEX BRACKET



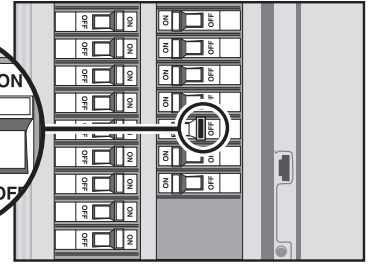
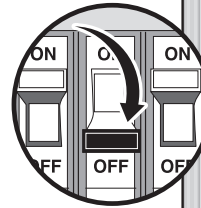
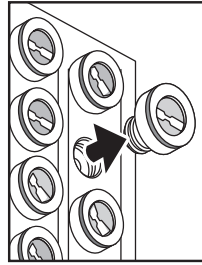
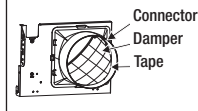
CAUTION: Make sure power is switched off at service panel before starting installation. Wear gloves during installing to help protect your hands from injury.



NOTE: Ceiling mount only.

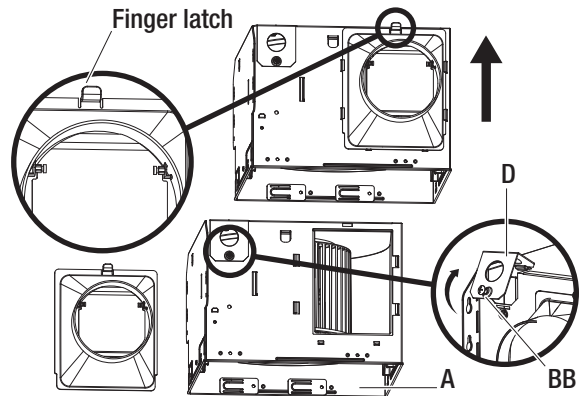


IMPORTANT: Please remove the tape, which protects the damper during shipping and installation, from the duct connector as shown.



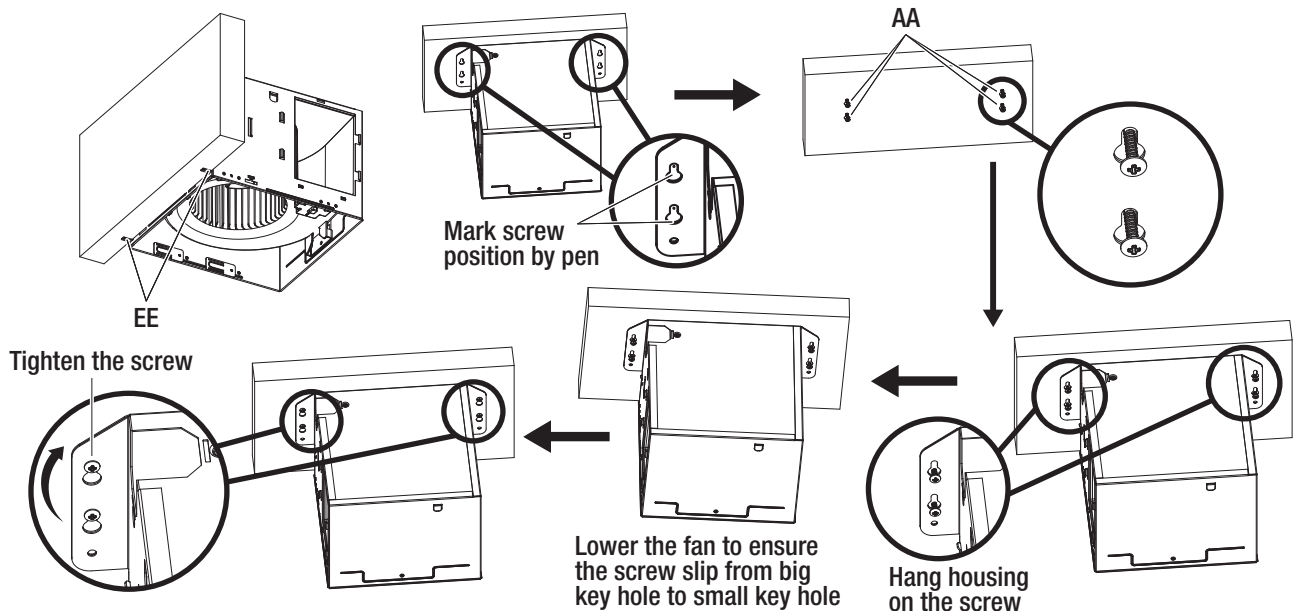
1 Remove the duct connector and wire cover

- To remove duct connector, pull up on the finger latch, then slide the duct connector until it is removed from the fan housing (A).
- Loosen the short screw (BB) and remove the wire cover (D).



2 Mount the housing to the joist

- Bend down 2 tabs (EE) on the side of fan housing (A) for positioning
- Place the fan housing next to a ceiling joist or wall stud. The fan housing should be level and perpendicular to the joist or stud.
- Secure fan housing (A) through mounting keyholes on bracket with 4 screws (AA). Make sure bottom of fan housing will be flush with finished ceiling.



Installation (continued)

3 Connect the wire

- Loosen the short screw (BB) and remove the wire cover (D).
- Pull the house wires through the knockout of wire cover (D). Using the quick connectors (C) to connect 120 V AC house wiring from the wall switch to the fan as shown in the wiring diagram on page 4.
- Carefully push the connected wires back into the wiring compartment of the fan housing (A). Reattach the wire cover (D) and attach it firmly with the short screw (BB).



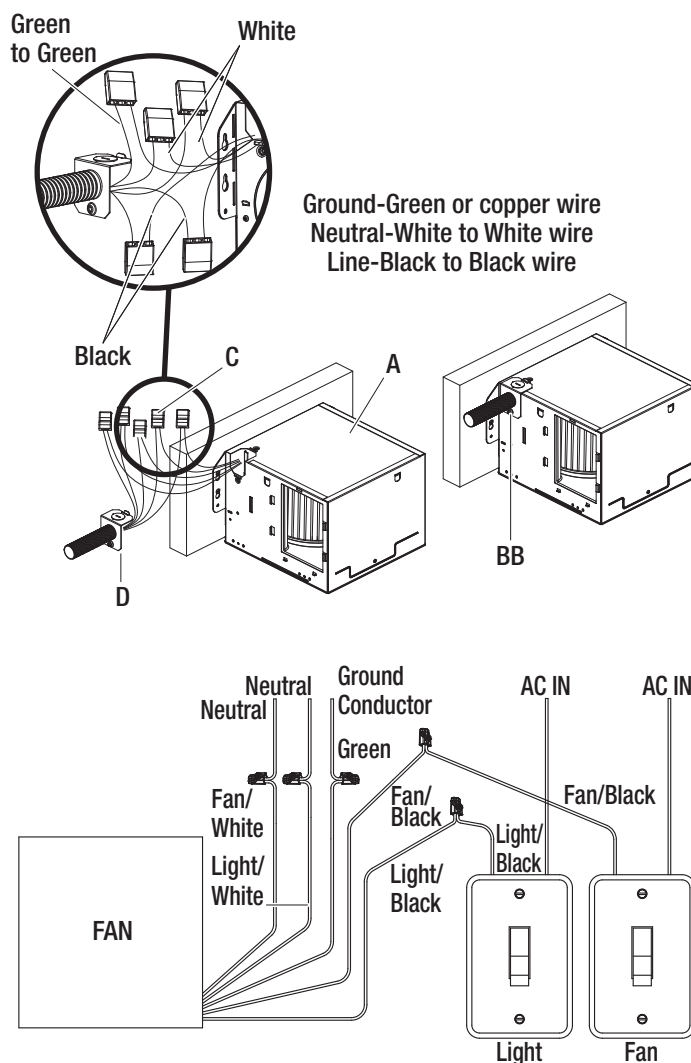
CAUTION: If the electrical wires do not match the colors listed, you must determine what each house wire represents before connecting. You may need to consult an electrical contractor to determine safely.



NOTE: Attach the 1/2" ROMEX connector or 1/2" Flexible Metal Conduit connector (supplied by others) to wiring compartment cover and lock in place with 1/2" lock nut included with connector.

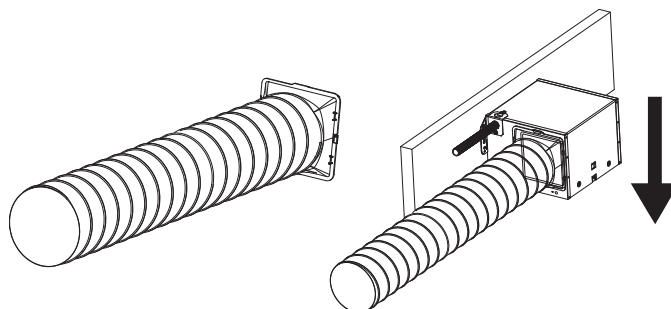


NOTE: 2 independent fan and light switches required for full functionality.



4 Connect the duct

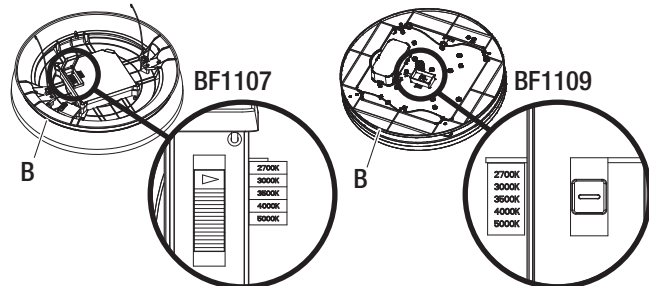
- Connect a 4 in. circular duct (not supplied) and vent to the duct connector. Secure it with duct tape (not supplied) or a clamp (not supplied) to make the connection secure and air tight.
- Insert the duct connector back to the fan housing (A) follow the guide slot from up to down. And it will be in place with a "click" sound. Please secure it tightly.



Installation (continued)

5 Select the light color and airflow

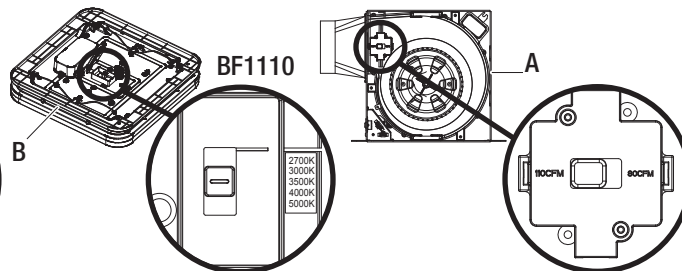
- Select desired LED color temperature by sliding the toggle switch on the back of the grille (B). Fasten down the waterproof cap after selected LED color temperature.



- Select desired airflow (80 CFM or 110 CFM) by sliding the toggle switch on the bottom of the housing (A).



NOTE: Make sure the waterproof cap installed well to prevent water from entering.



6 Finish the ceiling work

- After electrical and construction inspection is completed, the dry wall ceiling can be installed.
- Cut the ceiling hole with the cut-hole template (F) or the size 10.24" x 9.37" (260 mm x 238 mm). Ceiling hole should be aligned with the inside edge of fan housing.



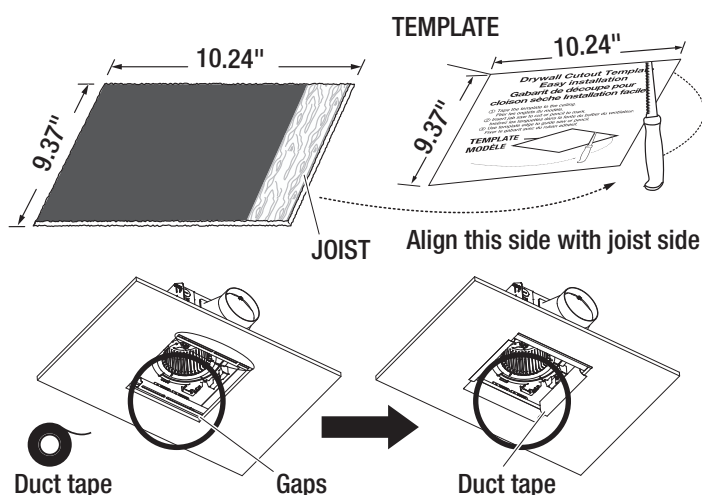
IMPORTANT: Cover and seal up all gaps with duct tape.



NOTE: MAKE SURE ONE EDGE OF THE OPENING IS FLUSH WITH THE JOIST FOR INSTALLATION.

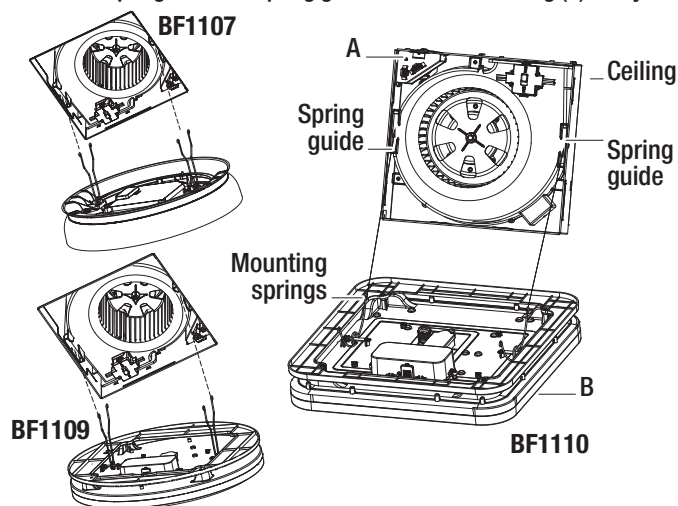


NOTE: That it is common practice in heating and ventilation systems using sheet metal duct work and fittings or flexible duct work tubing to use duct tape or aluminum tape to ensure airtight seals and improve efficiency.



7 Install the grille with light

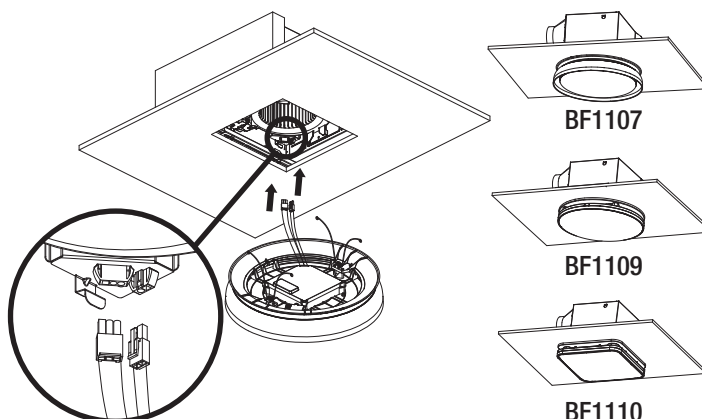
- Attach the grille by squeezing one spring together and inserting the springs into the spring guides in the fan housing (A) firstly.



- Connect LED wire to fan housing by terminal.
- Then insert another spring and push the grille (B) up against the ceiling.
- Check that the installation is secure and safe from falling objects.



NOTE: Suggest the humidity sensor indicator light face to the bathroom door.



Installation (continued)

EXISTING CONSTRUCTION



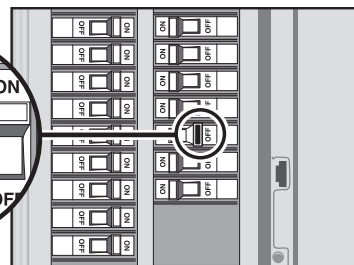
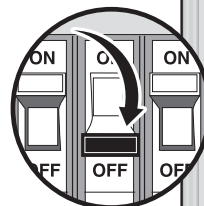
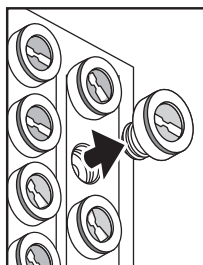
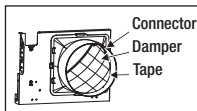
CAUTION: Make sure power is switched off at service panel before starting installation. Wear gloves during installing to help protect your hands from injury.



NOTE: Ceiling mount only.

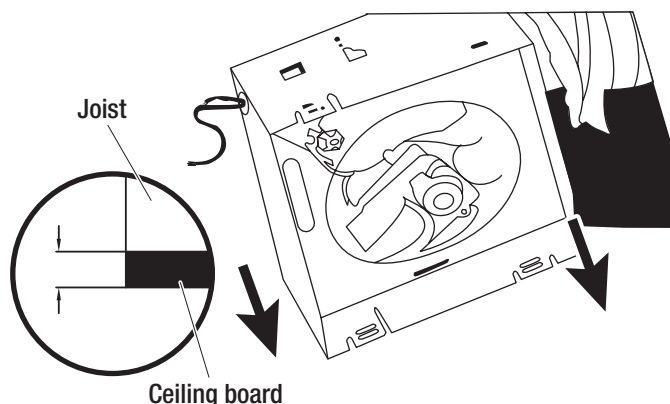


IMPORTANT: Please remove the tape, which protects the damper during shipping and installation, from the duct connector as shown.



1 Remove the existing fan

- Remove the old fan from the ceiling.

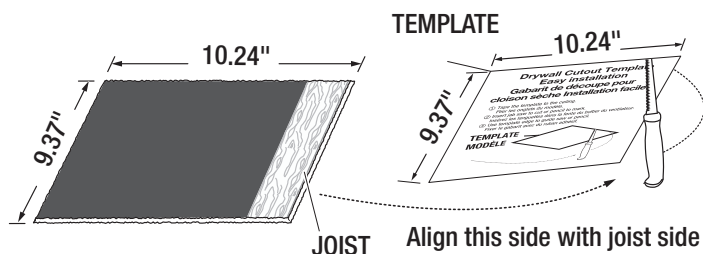


2 Ceiling cut out work

- Measure the opening to ensure it is large enough to accommodate the new fan body (A) (10.24" x 9.37").
- If this fan is not replacing an old fan, be sure to cut a 10.24" x 9.37" opening for the fan body (A).

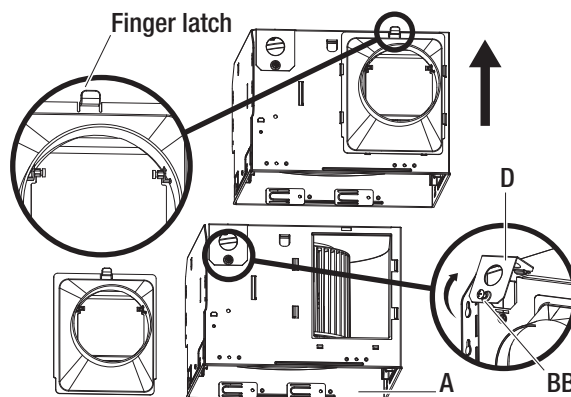


CAUTION: Wear safety goggles to prevent getting dust, falling insulation or other debris into your eyes, nose and mouth. Carefully cut open the ceiling hole with out cutting into electrical or gas or water lines that may not be visible.



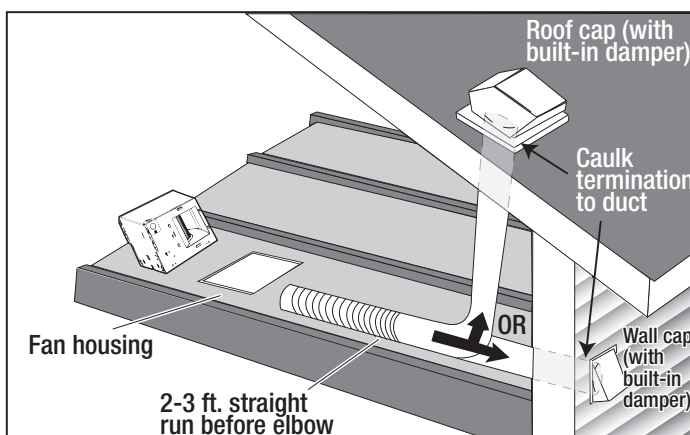
3 Remove the duct connector and wire cover

- To remove duct connector, pull up on the finger latch, then slide the duct connector until it is removed from the fan housing (A).
- Loosen the short screw (BB) and remove the wire cover (D).



4 Place the fan housing

-



5 Connect the wire

- 



Green to Green

White

Black

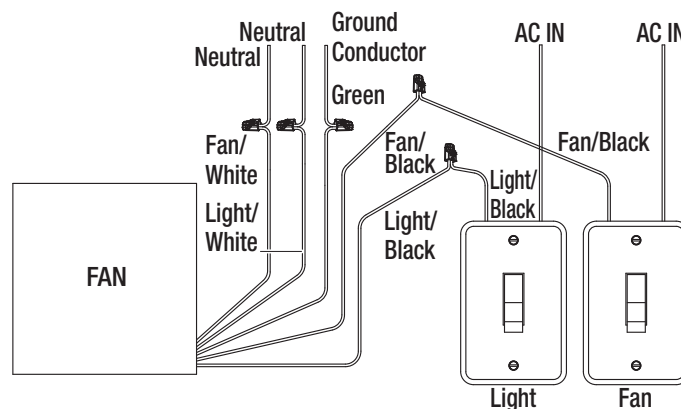
Ground-Green or copper wire

Neutral-White to White wire

Line-Black to Black wire

BB

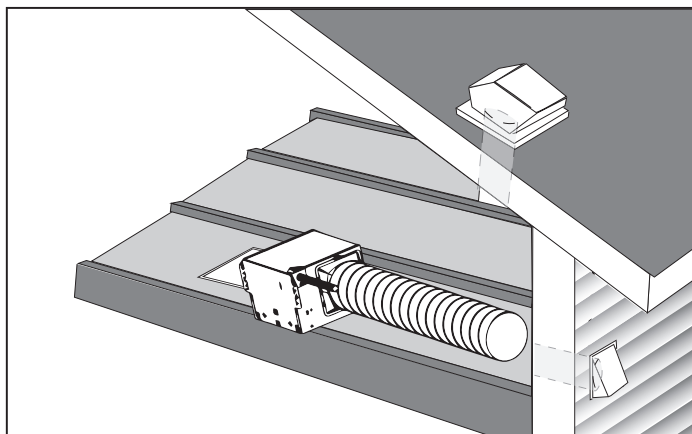
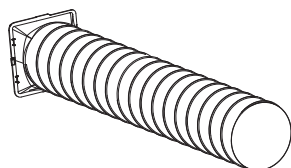
D



Installation (continued)

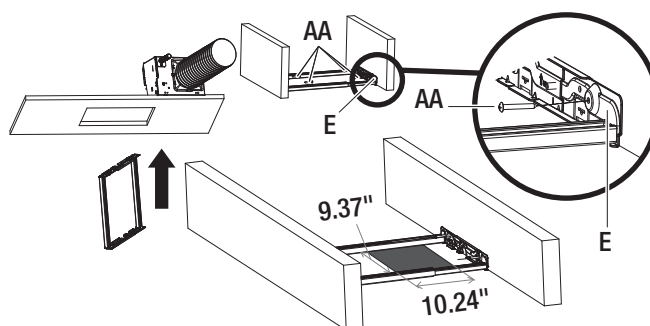
6 Connect the duct

- Connect a 4 in. circular duct (not supplied) and vent to the duct connector. Secure it with duct tape (not supplied) or a clamp (not supplied) to make the connection secure and air tight.
- Insert the duct connector back to the fan housing (A) follow the guide slot from up to down. And it will be in place with a "click" sound. Please secure it tightly.



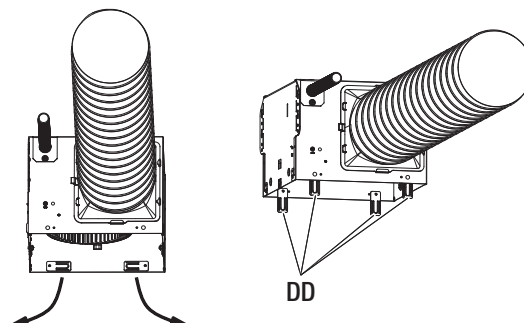
7 Install the flex bracket

- Put the flex bracket (E) inside the ceiling through hole.
- Fix the flex bracket (E) onto the joists with 4 screws (AA). The flex bracket is adjustable to fit different space (11.5 in. to 22 in.) between the joists.
- Please make sure the bottom of the flex bracket will be flush with the bottom of the joists.



8 Adjust the inserts of fan housing

- Pull the 4 tabs (DD) of the fan housing into the vertical position.



Installation (continued)

9 Install the fan housing on bracket

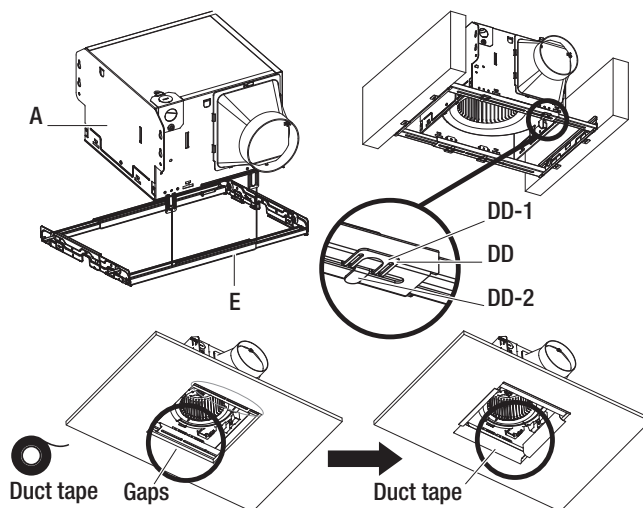
- Align the 4 tabs (DD) on the fan housing through the slots on the flex bracket (E). Then insert the tabs through the slots until the fan housing (A) sitting on the flex bracket (E).
- Then bend the tabs (DD) to both sides to attach the fan housing firmly on the flex bracket (E).



IMPORTANT: Cover and seal up all gaps with duct tape.



NOTE: That it is common practice in heating and ventilation systems using sheet metal duct work and fittings or flexible duct work tubing to use duct tape or aluminum tape to ensure airtight seals and improve efficiency.



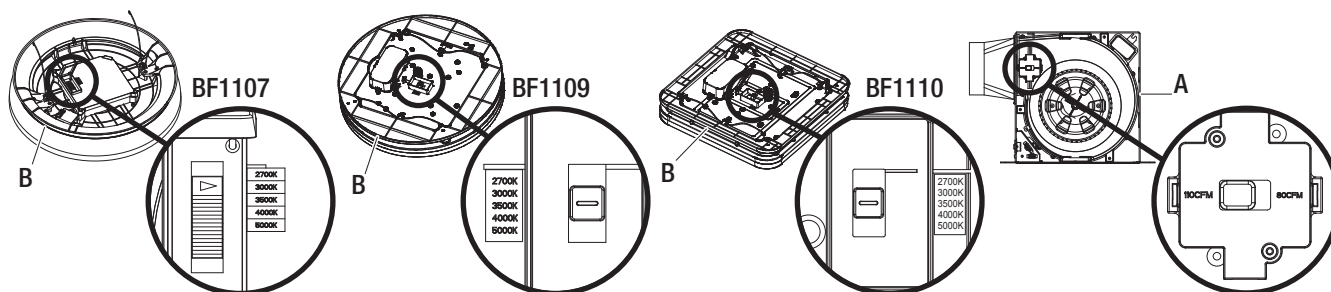
10 Select the light color and airflow

- Select desired LED color temperature by sliding the toggle switch on the back of the grille (B). Fasten down the waterproof cap after selected LED color temperature.

- Select desired airflow (80 CFM or 110 CFM) by sliding the toggle switch on the bottom of the housing (A).



NOTE: Make sure the waterproof cap installed well to prevent water from entering.



11 Install the grille with light

- Attach the grille by squeezing one spring together and inserting the springs into the spring guides in the fan housing (A) firstly.

- Connect LED wire to fan housing by terminal.
- Then insert another spring and push the grille (B) up against the ceiling.
- Check that the installation is secure and safe from falling objects.



NOTE: Suggest the humidity sensor indicator light face to the bathroom door.

