

Thank you for buying this product

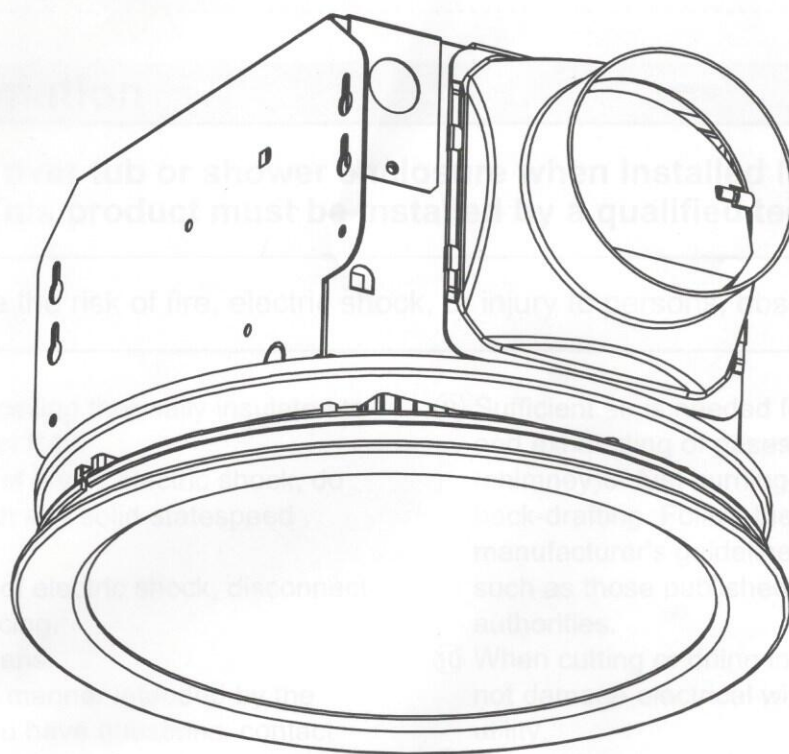
In order to use this product correctly, please read this instruction before use,
and please keep this instruction carefully



Ventilation Fan with Light



Scanned + Archived
By:
FindMyManual.org



USER MANUAL

Model: AR-VF001

Thank you for buying this product!

In order to use this product correctly, please read this instruction before use, and please keep this instruction carefully.

Table of Contents

Safety Information	2
Limited Warranty	3
Specifications	3
Typical Installation	4
Wiring Diagram	4
Pre-Installation	5
Installation of Housing	6
Use of Remote Control	13
Care and Maintenance	14
Troubleshooting	14

Safety Information

Suitable for use over tub or shower enclosure when installed in a gfci protected branch circuit. This product must be installed by a qualified technician.



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

- ① Do not mount in a ceiling thermally insulated to a value greater than R40.
- ② To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
- ③ To reduce the risk of electric shock, disconnect power before servicing.
- ④ Not for use in kitchens.
- ⑤ Use this unit in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- ⑥ Before servicing or cleaning unit, switch power off at service panel and lock service panel 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.
- ⑦ CAUTION: Fan is for general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
- ⑧ Installation work and electrical wiring must be done by qualified persons in accordance with all applicable codes and standard, including fire-rated construction.
- ⑨ 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 guideline and safety standards such as those published by the local code authorities.
- ⑩ When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utility.
- ⑪ Ducted fans must always vent to the outdoors.
- ⑫ If the 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.
- ⑬ Never place a switch where it can be reached from a tub or shower.
- ⑭ The lamp does not support the lighting dimmer switch.

Limited Warranty

The supplier warrants the fan motor and all other fan parts to be free from defects in workmanship and material present at the time of shipment from the factory.

This warranty covers one year after the date of purchase by the original purchaser.

A receipt indicating the purchase date is required for any claims, so please keep it properly. We agree to correct such defects with-out charge or, at our option, replace the product with a comparable or superior model if the product is returned. However, all costs of removing and reinstalling the product are your responsibility.

Damage to any part caused by accident, misuse, improper installation, or by affixing any accessories is not covered by this warranty.

Additionally, this warranty does not cover any changes in brass finish, including rusting, pitting, corroding, tarnishing, or peeling, due to varying climatic conditions.

Servicing performed by unauthorized persons shall render the warranty invalid. We hereby disclaim all warranties, including but not limited to those of merchantability and fitness for a particular purpose, to the extent permitted by law.

The duration of any implied warranty that cannot be disclaimed is limited to the period specified in the express warranty. Some states do not allow a limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

The retailer shall not be liable for incidental, consequential, or special damages arising out of or in connection with product use or performance, except as may otherwise be accorded by law. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

This warranty gives specific legal rights, and you may also have other rights that vary from state to state.

Shipping costs for any return of product as part of a claim on the warranty must be paid by the customer.

How to Obtain Warranty Service In the U.S.A.

If you have any questions regarding this warranty or would like to obtain warranty service, please email support@arecovas.com

and we will provide you a convenient service center address within 24 hours (except holidays).

PLEASE DO NOT RETURN THIS PRODUCT TO ANY OF THESE ADDRESSES OR THE PLACE OF PURCHASE.

For inquiries regarding recycling and proper disposal of this product, please contact your local waste management facility.

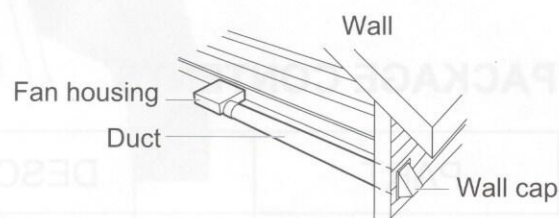
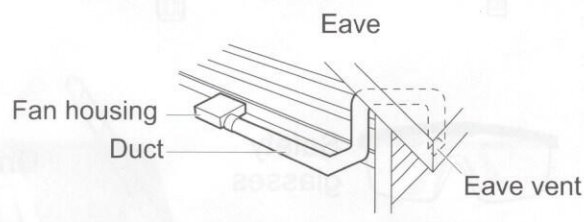
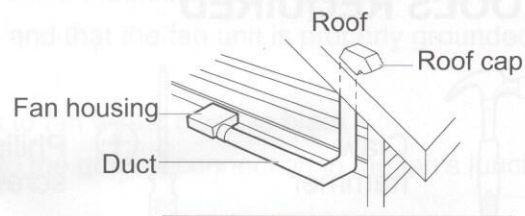
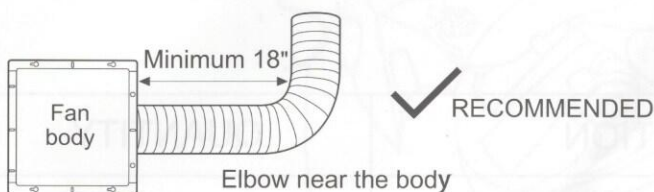
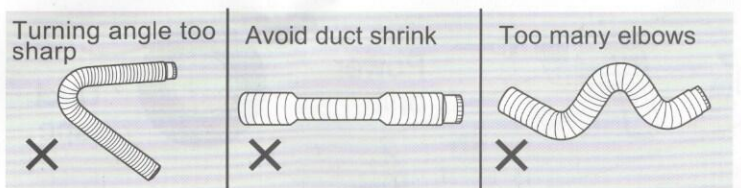
Specifications

Model No.: AR-VF001	RGB: Blue/Purple/Red/Green
Power Supply: AC 120V 60Hz	Lumens: 1200LM
Rated Power: 31W	Airflow: 110CFM
3CCT: 6000K/4000K/2700K	Ceiling Opening Dimension Requirements: 7-3/4 in. (L) x 7-1/2 in. (W)

Typical Installation

The ducting from this fan to the outside of the building 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, and 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.

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

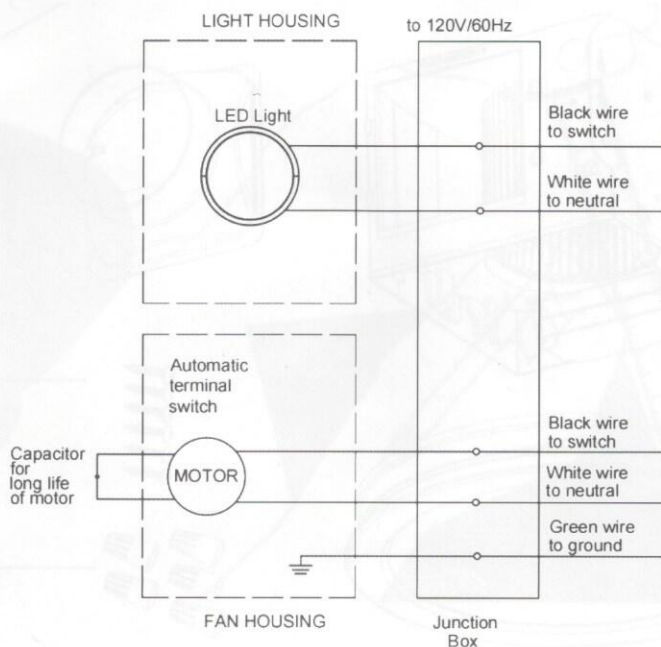


Wiring Diagram

IMPORTANT: The power to your bathroom exhaust fan must be disconnected before installation begins.

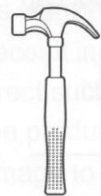
IMPORTANT: Be certain all wiring complies with local codes and that the fan unit is properly grounded.

1. Run power leads from the wall switch, or time switch to the unit.
2. Using the approved wire connectors, connect supply wires to fan wires: black to black (live) and white to white (neutral). Connect ground wire (green) to the ground connection in the fan's junction box.



Pre-Installation

TOOLS REQUIRED



Claw
hammer



Philips
screwdriver



Flat
screwdriver



Utility
knife



Safety
glasses



Drill bits



Power
drill

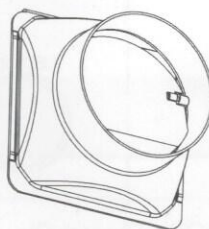
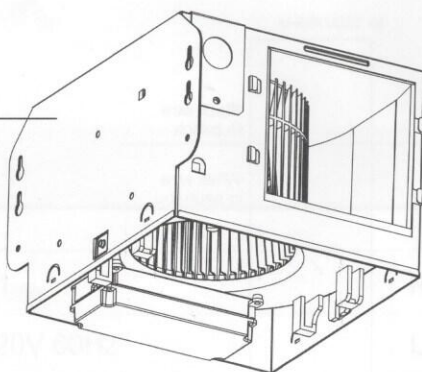


Duct
tape

PACKAGE CONTENTS

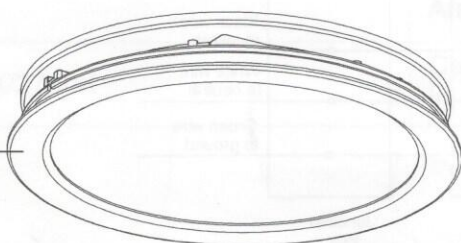
PART	DESCRIPTION	QUANTITY
A	Fan housing	1
B	Light components	1
C	Air outlet	1
D	Long wood screw	6
E	Connector cap	5

A

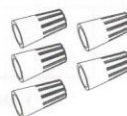


C

B



D



E

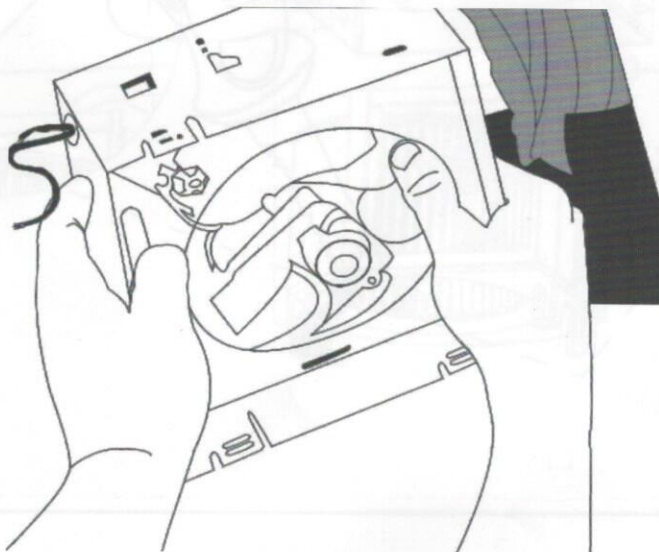
Installation Of Housing

IMPORTANT: The power to your bathroom exhaust fan must be disconnected before installation begins.

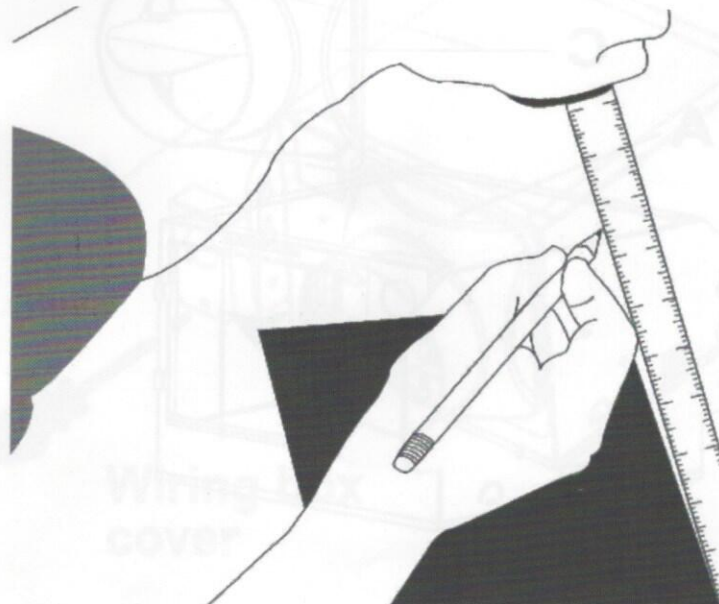
IMPORTANT: Be certain all wiring complies with local codes and that the fan unit is properly grounded

1. Run power leads from the wall switch, or time switch to the unit.
2. Using the approved wire connectors, connect supply wires to fan wires: black to black (live) and white to white (neutral). Connect ground wire (green) to the ground connection in the fan's junction box.

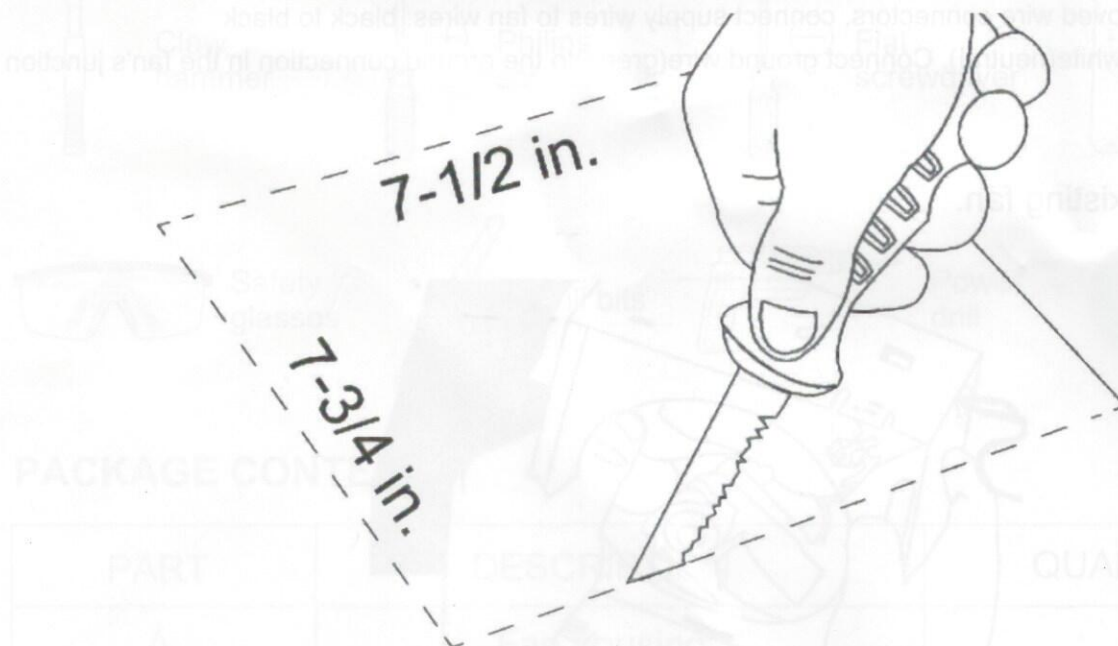
1. Remove existing fan.



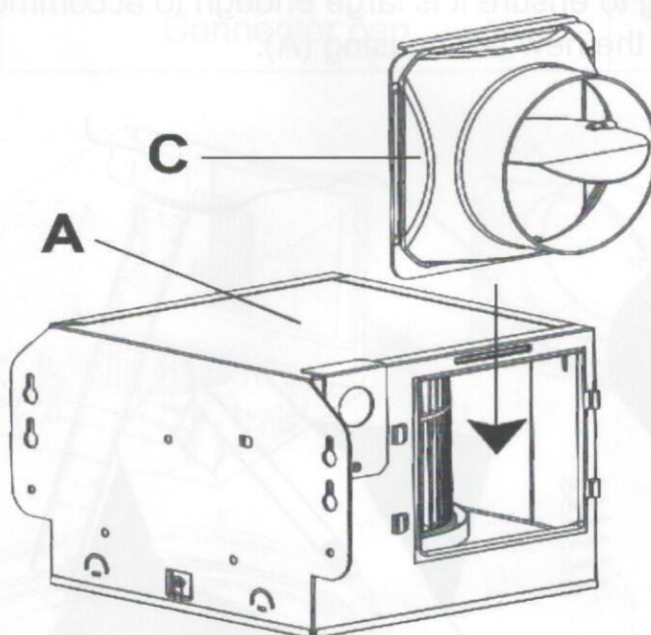
2. Measure the opening to ensure it is large enough to accommodate the 7-1/2 in x 7-1/4 in. dimensions of the new fan housing (A).



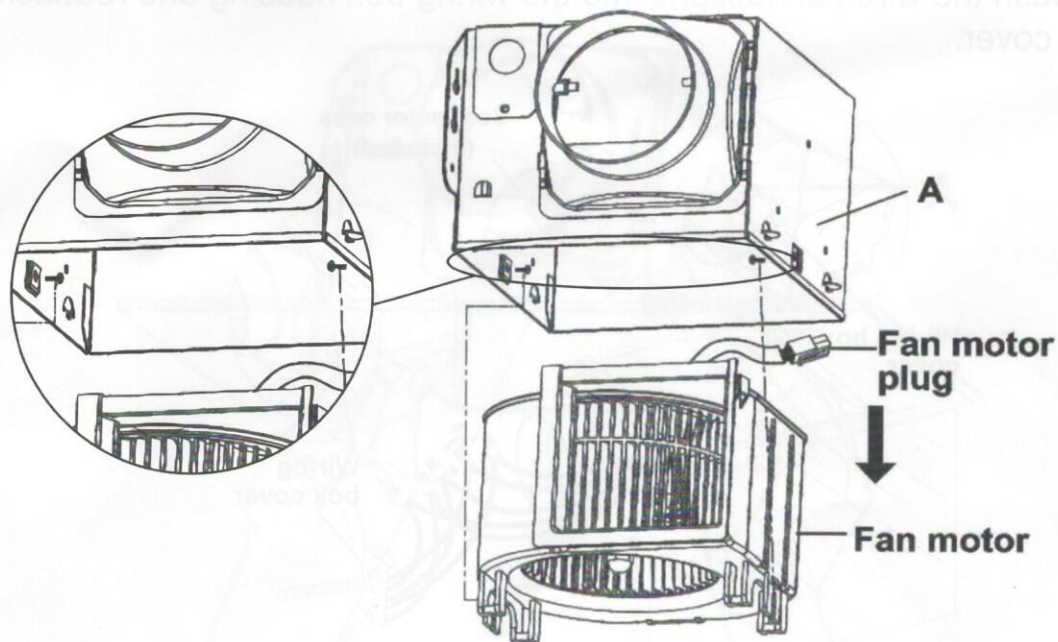
3. If this fan is not replacing an old fan, be sure to cut a 7-3/4 in. x 7-1/2 in. opening for the fan housing.



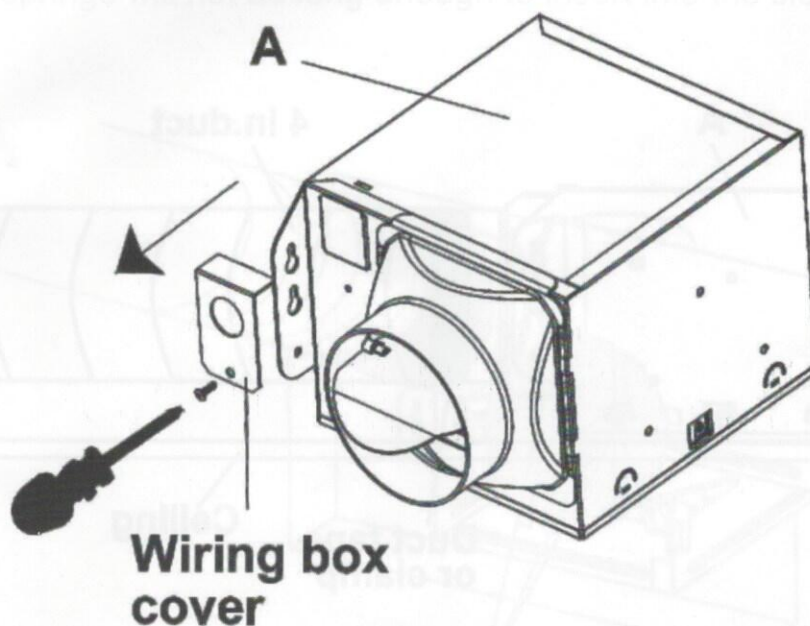
4. Attach the duct connector (C) to the fan housing(A).



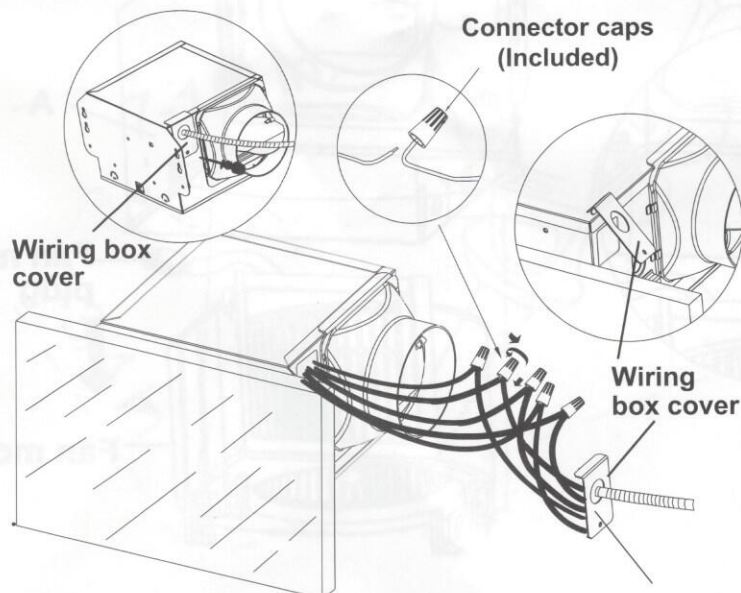
5. Remove the two screws on the side of the fan housing(A) that hold the fan motor in place. With screws removed, unplug the fan motor and pull it out of the fan housing (A).



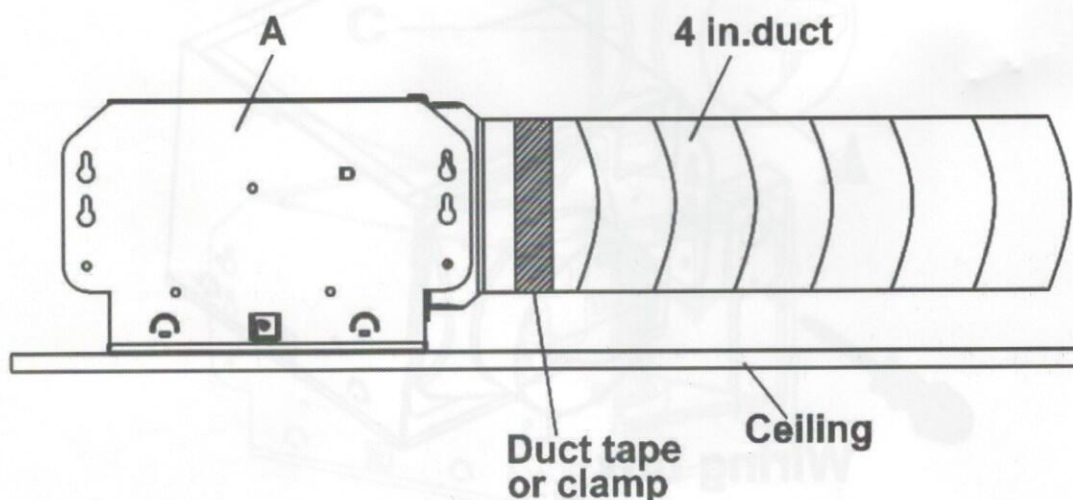
6. Remove the wiring box cover from the fan housing (A).



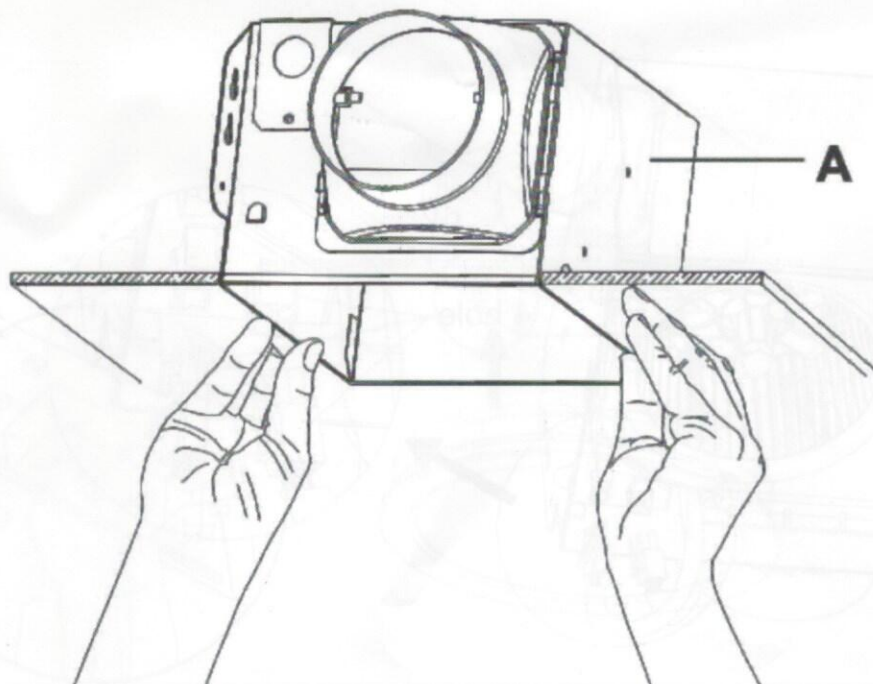
7. Pull the house wires through the hole in the wiring box cover. Using the connector caps, connect the house wiring from the wall switch to the fan housing (A). 14 AWG is the smallest conductor that should be used for branch-circuit wiring. Please refer to the wiring diagrams on page 4 to ensure proper wire connections. Carefully push the wire connections into the wiring box housing and reattach the wiring box cover.



8. Connect a 4 inch 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.

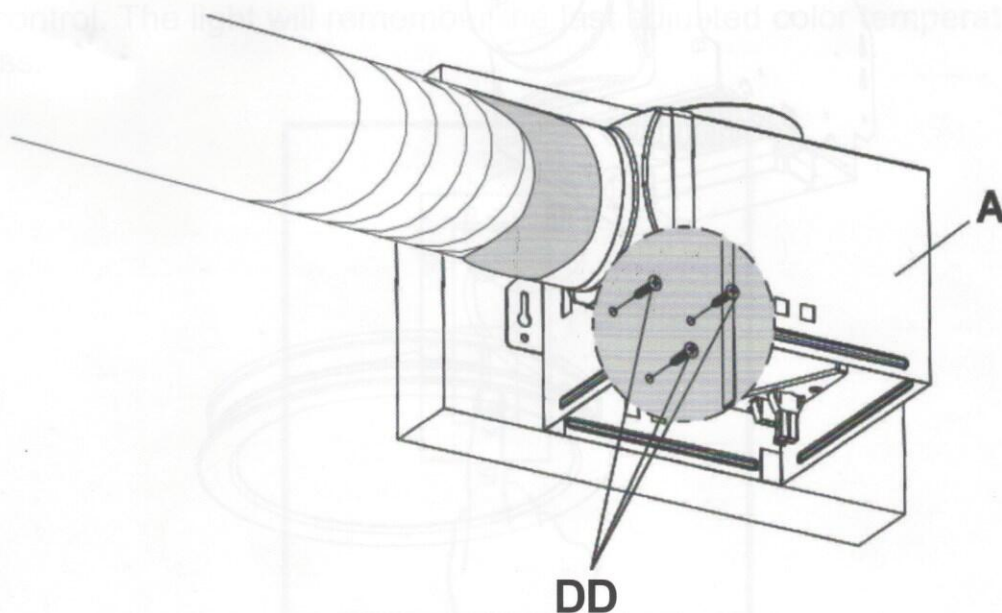


9. With the wiring and duct connected, insert the fan housing (A) into the ceiling hole. Position the fan housing (A) so the bottom edge of the fan housing (A) is flush with the ceiling board.

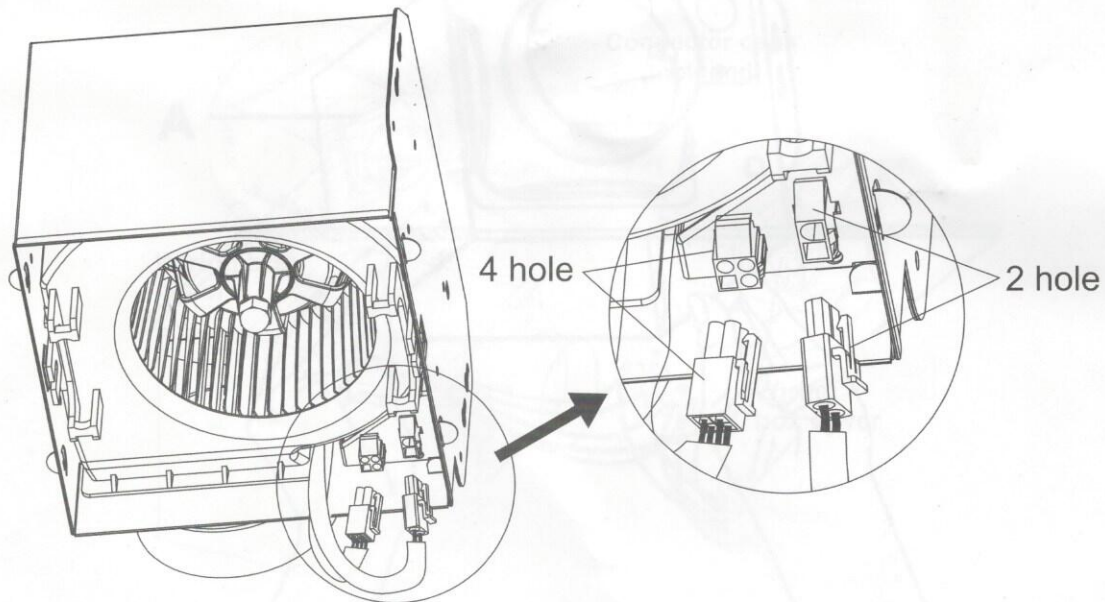


10. Mount the fan housing (A) to the joist with three wood screws (DD) through the holes in the side of the fan housing (A).

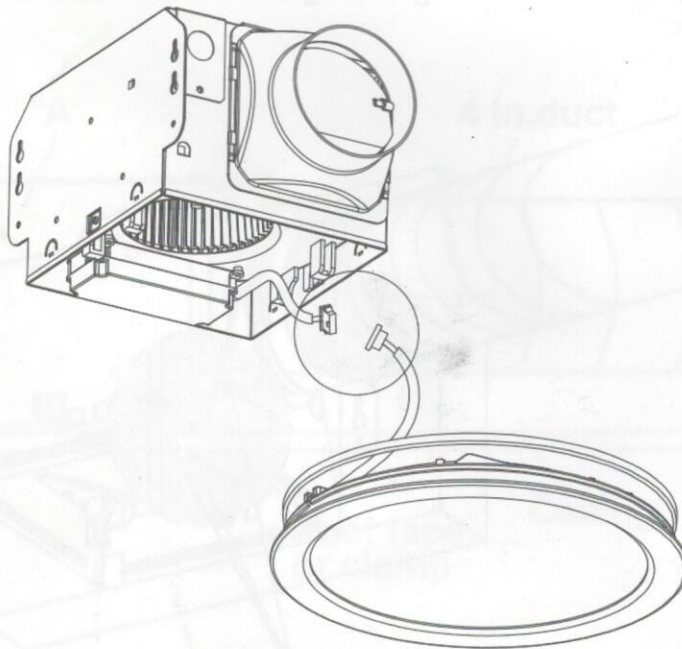
CAUTION: The fan housing (A) must be installed flush with the ceiling board or the grille mounting springs will not be long enough to insert into the slots inside the fan housing (A).



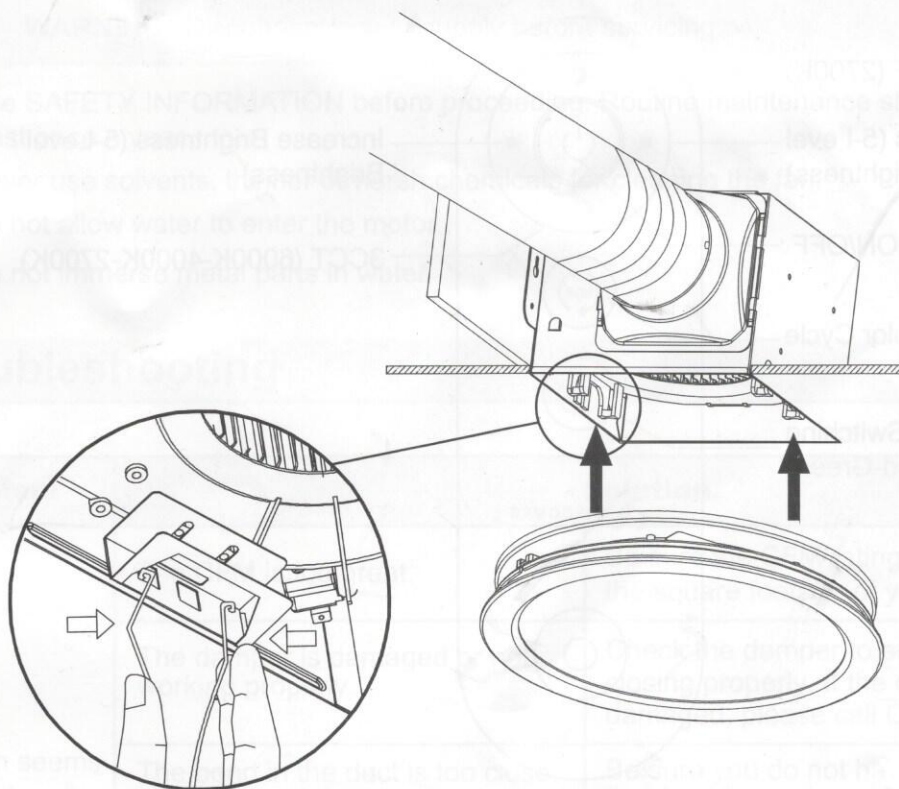
11. Place the fan motor back into the fan housing, aligning the duct with its opening in the fan housing. Attach the fan motor to the housing using the two screws removed in step 5. Insert two motor plugs of the fan into respective connectors and make sure they are inserted tightly (① four-hole plug into four-hole connector, ② two-hole plug into two-hole connector).



12. Insert the LED light panel plug into the remote control receiver's connector port, and make sure it is inserted tightly.



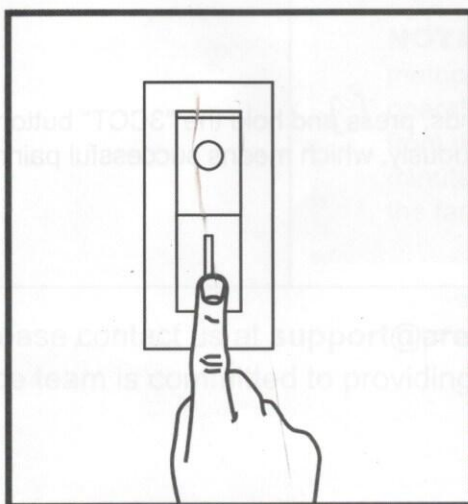
13. Attach LED light panel by pinching the mounting springs and inserting them into the narrow rectangular slots in the fanhousing. Turn on power source. Test the unit.



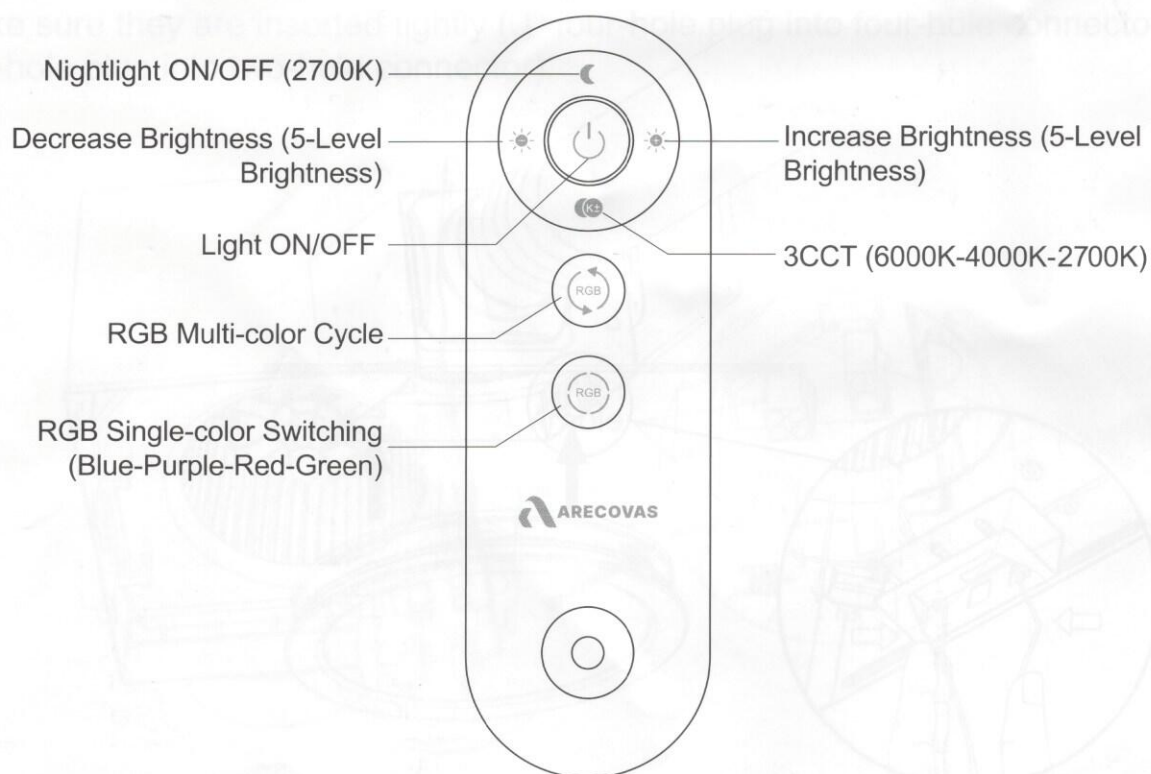
14. Switch on the light with the last memory status.

Different wiring methods correspond to different wall-control schemes. If you use a single - control switch, both the light and fan are controlled simultaneously. If you use a double-control switch, the light and fan can be controlled independently.

Special note: The CCT/RGB switching of the light needs to be adjusted via the remote control. The light will remember the last adjusted color temperature and brightness.



Use of Remote Control



Signal can penetrate walls



Highly sensitive



Remote control



Omnidirectional control

Remote Control Pairing

- ① The remote control that shipped with your fan is already paired.

Note: When pairing a new remote control, you **MUST** disconnect power (at the wall switch, breaker, or fan from other ceiling fans within range) to prevent faulty operation.

If you lose your remote control or purchase a new one, please follow the steps below to pair the control to your ceiling fan.

Digital Matching

- ① Turn on the power within 20 seconds, press and hold the "3CCT" button, release it after 3-5 seconds. The fan light will blink twice continuously, which means successful pairing. Meanwhile, the original remote-control pairing is invalid.

Care and Maintenance



WARNING: Disconnect power supply before servicing.

- 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.

Troubleshooting

Problem	Solution	
The fan seems louder than it should.	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 closer than 18 in. to 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 the room.	There is insufficient airflow intake in the room.	Be sure a door or window is slightly ajar or opened to allow airflow. The fan is not able to draw air out of the room without enough airflow to draw from.
	There is insufficient CFM.	Be sure the CFM rating on the fan matches the requirements for your room size. 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.

If you have any problems, please contact us at support@arecovas.com immediately. ARECOVAS customer service team is committed to providing you with the fastest and most effective solutions.