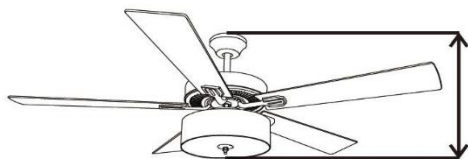


MODEL NO.: 20078

Installation Guide

MODEL NO.: 20078

**READ AND SAVE THESE
INSTRUCTIONS**



Total Height W/Downrod 20"



Total Height W/Flush Mount 15"

You may install your ceiling fan as a flush mount, or you may use the provided down rod(s). Measure your room height before installing the fan and consider the different installation height options indicated in the above diagram.

Table of Contents:

Safety tips Pg.2

Unpacking your fan Pg.3

Tools and material required Pg.4

Outlet Box Pg.4-5

Hanging Bracket Installation Pg.4 - 5

Fan Assembly (Flush Mount) Pg.6

Fan Assembly (w/Down Rod) Pg.6

Wiring Pg.7

Canopy Assembly Pg.8

Blade Assembly Pg.8

Light Kit and Shade Assembly Pg.9

Troubleshooting & Maintenance Pg.10




Professional Installation Recommended

Note: Approximate Time of Assembly: 30 Minutes to 1 Hour


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SAFETY TIPS


 **WARNING:** To reduce the risk of electrical shock, turn off the electricity to the fan at the main fuse box or circuit panel before you begin the fan installation or before servicing the fan or installing accessories.

1. **READ ALL INSTRUCTIONS AND SAFETY INFORMATION CAREFULLY BEFORE INSTALLING YOUR FAN AND SAVE THESE INSTRUCTIONS.**


 **CAUTION:** To avoid personal injury, the use of gloves may be necessary while handling fan parts with sharp edges.

1. Make sure all electrical connections comply with Local Codes or Ordinances, the National Electrical Code, and ANSI/NFPA 70-1999. If you are unfamiliar with electrical wiring or if the house/building wires are different colors than those referred to in the instruction please use a qualified electrician.
2. Make sure you have a location selected for your fan that allows clear space for the blades to rotate and at least seven (7) feet (2.13 meters) of clearance between the floor and the fan blade tips. The fan should be mounted so that the tips of the blades are at least thirty (30) inches (76 centimeters) from walls or other upright structures.
3. The outlet box and ceiling support joist used must be securely mounted, and capable of supporting at least **50 Pounds (23 kilograms)**. The outlet box must be supported directly by the building structure. Make sure the electrical box that will hold the ceiling fan is fan-rated. There should be an inscription on the box indicating it.

 **WARNING:** To reduce the risk of fire, electrical shock, or personal injury, mount to the outlet box marked "Acceptable for Fan Support," and use the mounting screws provided with the outlet box. Most outlet boxes commonly used for the support of lighting fixtures are not acceptable for fan support and may need to be replaced. Consult a qualified electrician if in doubt.


 **WARNING:** To reduce the risk of fire, electrical shock, or personal injury, wire connectors provided with this fan are designed to accept only one 12 gauge house wire and two lead wires from the fan. If your house wire is larger than 12 gauge or there is more than one house wire to connect to the two fan lead wires, consult an electrician for the proper size wire connectors to use.


4. After making electrical connections, spliced conductors should be turned upward and pushed carefully up into the outlet box. The wires should be spread apart with the grounded conductor and the equipment-grounding conductor on opposite sides of the outlet box.

 **WARNING:** To reduce the risk of electrical shock, fire and to prevent humming noise do not use this fan with any solid state speed control device or control fan speed with a full range dimmer switch. Using a full range dimmer switch to control fan speed will cause a loud humming noise from fan.


5. Do not operate the reverse switch until fan has come to a complete stop.

6. Do not insert anything between the fan blades while they are rotating.

 **WARNING:** To reduce the risk of personal injury, do not bend the blade brackets when installing the brackets, balancing the blades, or cleaning the fan. Do not insert foreign objects in between rotating fan blades.

 **WARNING:** To avoid personal injury or damage to the fan and other items, be cautious when working around or cleaning the fan.

7. Do not use water or detergents when cleaning the fan or fan blades. A dry dust cloth or lightly dampened cloth will be suitable for most cleaning.

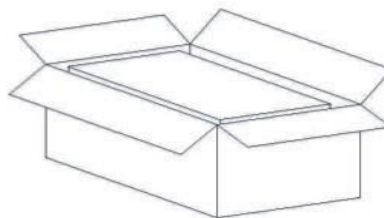
 **WARNING:** To reduce the risk of personal injury, use **only** parts provided with this fan. **The use of parts OTHER than those provided with this fan will void the warranty.**

NOTE: The important safety precautions and instructions appearing in the manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense and caution are necessary factors in the installation and operation of this fan.

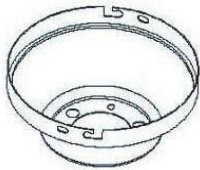



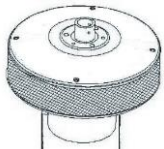
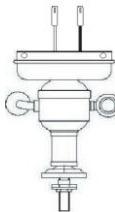

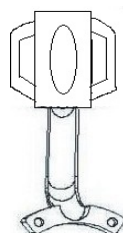

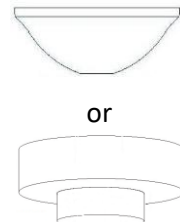
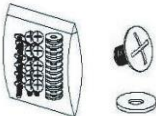

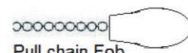






MODEL NO.: 20078

1. Unpacking Your Fan

Carefully open the packaging. Remove items from styrofoam inserts. Remove motor housing and place on a soft, dry surface to avoid damage to finish. Do not discard fan carton or styrofoam inserts should this fan need to be returned. Check against parts inventory (listed below) that all parts have been included.



2. Parts Inventory

<p>Canopy</p> 	<p>Canopy Bracket</p> 	<p>Down rod 6"</p> 	<p>Down rod cover</p> 		
<p>Motor housing</p> 	<p>Light Kit</p> 	<p>Bulbs (3)</p> 	<p>Blade arms (5)</p> 	<p>Blades (5)</p> 	<p>Shade or</p> 
<p>Hardware bag (16 sets for Blades assembly)</p> 	<p>Balancing kit</p> 	<p>Hardware bag</p> <div> <div> <p>2 Pull chain Fob</p>  </div> <div> <p>3 Wire connectors</p>  </div> <div> <p>2 Hanging Bracket screws</p>  </div> <div> <p>2 Wood screws</p>  </div> <div> <p>1 Blade arm (extra screw)</p>  </div> <div> <p>4</p>  </div> <div> <p>4</p>  </div> </div>			

Bulb Specifications:

Light kit – E12, Type B, 6W (LED-2700K-Dimmable) x 3

Alternative Bulb Usage: CFL or Incandescent Bulbs may be used. Ensure the Max. Wattage indicated on the socket labels is not exceeded, and verify the bulbs do not get in contact with any metal part of the fan components (shade or motor housing)

⚠ WARNING: DO NOT EXCEED INDICATED MAX BULB WATTAGE

Note for Stained Glass shade items: The stained glass shade has been protected with mineral oil as part of the finishing process. Please use a soft dry cloth to remove any excess oil.



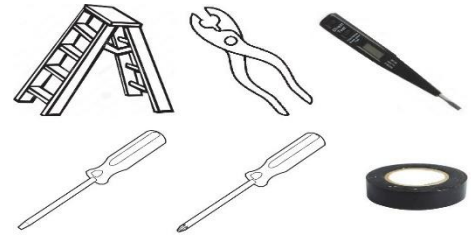
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3. Tools Required

- Step ladder
- Pliers
- Screwdriver (flat head and phillips)
- Electrical tape
- Circuit tester

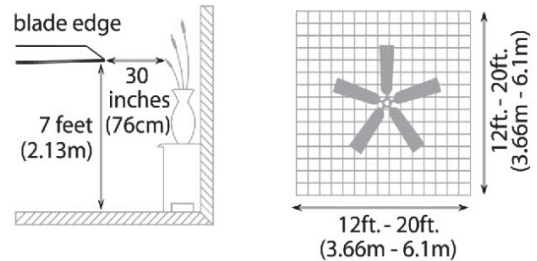


4. Installation Preparation

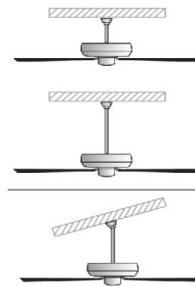
To prevent personal injury and damage, ensure that the hanging location allows the blade a clearance of 7ft (2.13m) from the floor and 30 in (76cm) from any wall or obstruction. The fan is suitable for room sizes up to 400 square feet (37.2 square meters).

This fan can be mounted with a down rod on a normal or vaulted ceiling. Down rod is included, 6" length.

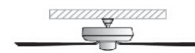
This fan can also be mounted using flush mount installation as seen in diagram.




downrod
installation



flushmount
installation



 Vaulted ceiling
angle is not to
exceed 25 degrees.

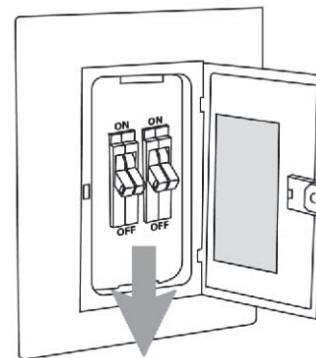
5. Hanging Bracket Installation

Turn off circuit breakers to current fixture from breaker panel and be sure operating light switch is turned to the OFF position.

⚠ WARNING: Failure to disconnect power supply prior to installation may result in serious injury and fire hazard.

Remove existing fixture

⚠ WARNING: When using an existing outlet box, be sure the outlet box is securely attached to the building structure and can support the full weight of the fan. Ensure the outlet box is clearly marked "Suitable for Fan Support". If not, it must be replaced with an approved outlet box. Failure to do so can result in serious injury.

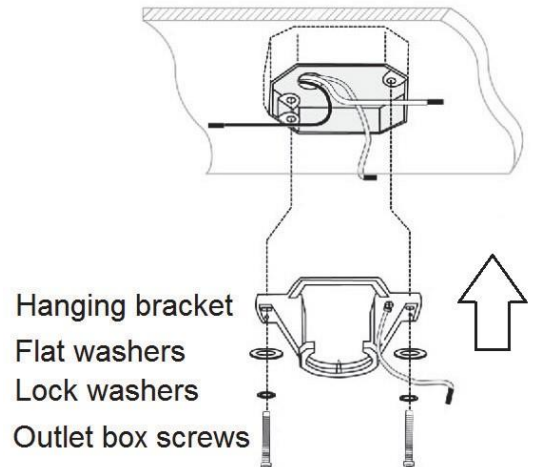


MODEL NO.: 20078

⚠ CAUTION: Be sure outlet box is grounded properly and that a ground wire (green or bare) is present.

Partially loosen screws in slotted holes of canopy. Remove the other 2 screws (along with the star washers) -save for later use. Twist canopy to remove the hanging bracket.

Install hanging bracket to outlet box using original screws, spring washers and flat washers provided with new or original outlet box. If installing on a vaulted ceiling, face opening of Hanging Bracket towards high point of ceiling. Arrange electrical wiring around the back of the hanging bracket and away from the hanging bracket opening.

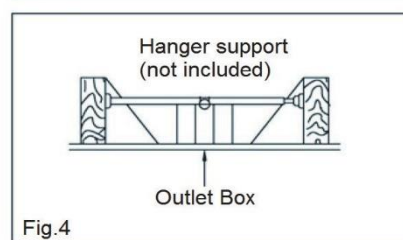
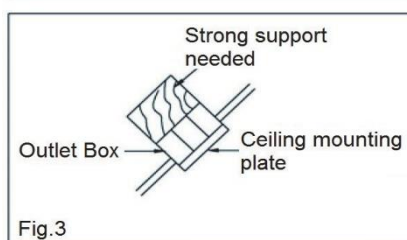
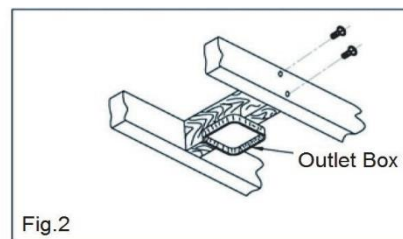
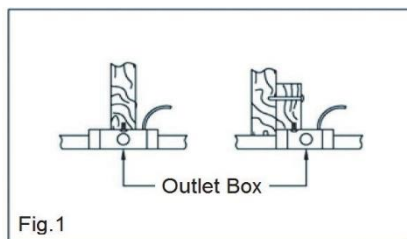


⚠ CAUTION: It is very important that you use the proper hardware when installing the hanging bracket as this will support the weight of the fan.

ELECTRICAL OUTLET BOX

⚠ WARNING: Contact a qualified electrician to replace the outlet box if it is not suitable for ceiling fans

1. If there is an existing outlet box, ensure it is clearly marked "Suitable For Fan Support". If not, it must be replaced with an approved one.
2. Secure the outlet box (or make sure the existing box is secured) directly to the building structure. Use appropriate fasteners and building materials. Wood joist and outlet box must be able to support a minimum of 50 pounds.
3. Figure 1, 2 and 3 are examples of different ways to mount the outlet box in different situations.
4. To hang the fan in locations where no ceiling joists is available. A hanger support bar may be required (Fig. 4)





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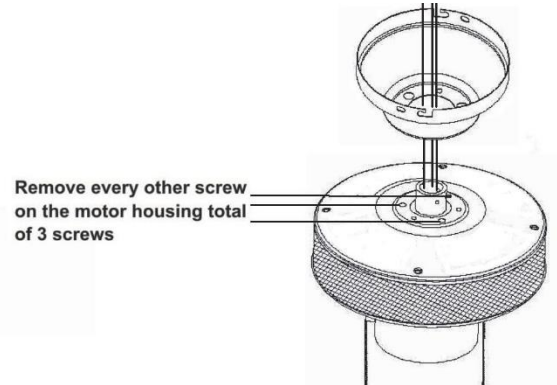
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6. Flush Mount Assembly

NOTE: If assembling with down rod, proceed to Step 7

1. Remove round rubber ring from canopy
2. Thread the electrical wires through the canopy
3. Remove every other screw on the motor housing (3 screws total)
- ⚠ **WARNING** – Ensure you only remove every other screw, others must remain firmly tightened.
4. Attach the canopy to the motor housing securely with the three (3) removed screws. Tighten firmly.
5. Continue to Step 8 for wiring

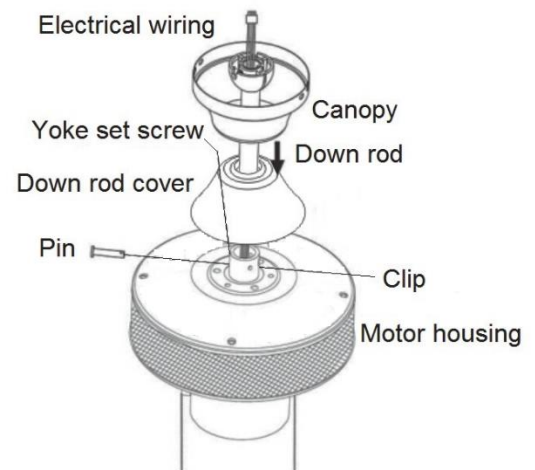


7. Assembly with Down Rod

1. Remove pin and clip from down rod. Slide the down rod through the canopy and the down rod cover as shown in figure
2. Thread the electrical wires through the down rod and pull the extra wire slack through the down rod

Tip: Apply a small piece of electrical tape to the ends of the electrical wires to keep them together when threading them through the down rod

3. Loosen the yoke set screw. Place the down rod into the motor housing yoke and re-insert the previously removed pin and clip. Tighten yoke screw securely
4. With the hanging bracket fully secured to the outlet box, you are now ready to hang your fan. Grab the fan securely with two (2) hands. Place the down rod ball into the hanging bracket and rotate until the ball sits securely in the hanging bracket tab





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8. Ceiling Fan Wiring

⚠ WARNING: Failure to disconnect power supply prior to the installation may result in serious injury and fire hazard

Important: Be sure outlet box is properly grounded or that a ground wire (**GREEN** or bare) is present.

Make sure all electrical connections comply with Local Codes or Ordinances and the National Electrical Code. If you are unfamiliar with electrical wiring, or if the house/building wires are different colors than those referred to in the instructions, please use a qualified electrician.

When down rod is secured in place on the hanging bracket, electrical wiring can be made.

Wiring Instructions (Diagram 1)

Using wire nut provided, connect **BLACK** and **BLUE** wires from fan to **BLACK** wire from ceiling.

The wires should be spread apart with the grounded conductor and the equipment grounding conductor on one side of the outlet box and the ungrounded conductor on the other side of the outlet box.

Using wire nut provided, connect **WHITE** wire from fan to **WHITE** wire from ceiling. Connect the installing ground wire (Green or bare) to the ground wire located on the down rod end.

The splices, after being carefully made, should be turned upward and pushed carefully up into the outlet box.

Note: Wrap each wire nut separately with electrical tape as an extra safety measure.

Important:

Make sure all electrical connections comply with Local Codes or Ordinances and the National Electrical Code. If you are unfamiliar with electrical wiring, or if the house/building wires are different colors than those referred to in the instructions, please use a qualified electrician.

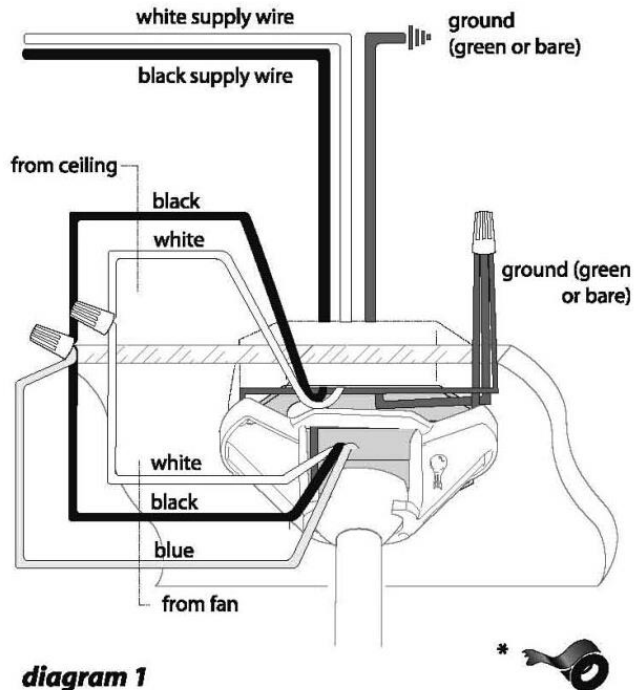


diagram 1



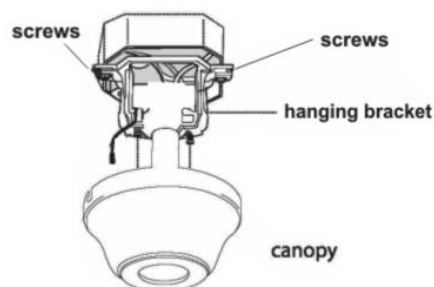
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9. Canopy Assembly

1. Loosen the four (4) screws/washers on the side of the hanging bracket
2. Lift canopy to the hanging bracket, and secure the canopy with the four (4) screws/washers. Securely tighten screws

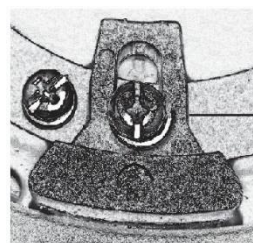
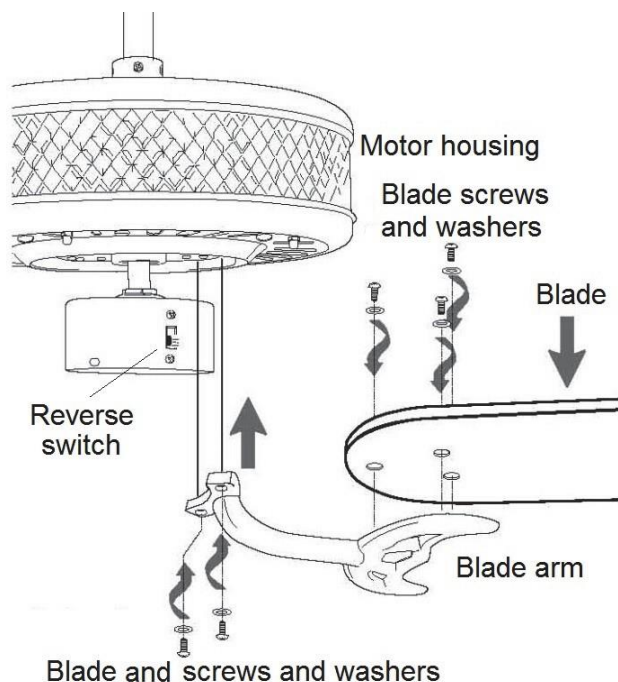


10. Blade Assembly

1. Locate fifteen (15) screws/washers in the hardware pack
2. Hold blade arm up to blade and align the three (3) holes
3. Insert three (3) screws/washers with fingers, and tighten with a phillips screwdriver
4. Repeat Step 3 for the remaining blades

Attaching Blades to Motor Housing

5. Remove blade arm screws and lock washers from the motor housing and set aside
6. Remove motor shipping pads, discard pads and save the screws
7. Align the blade arm holes with the motor housing holes and attach the two (2) screws/washers. Fasten securely
8. Repeat Step 7 for the remaining blade arms



Motor shipping Pad



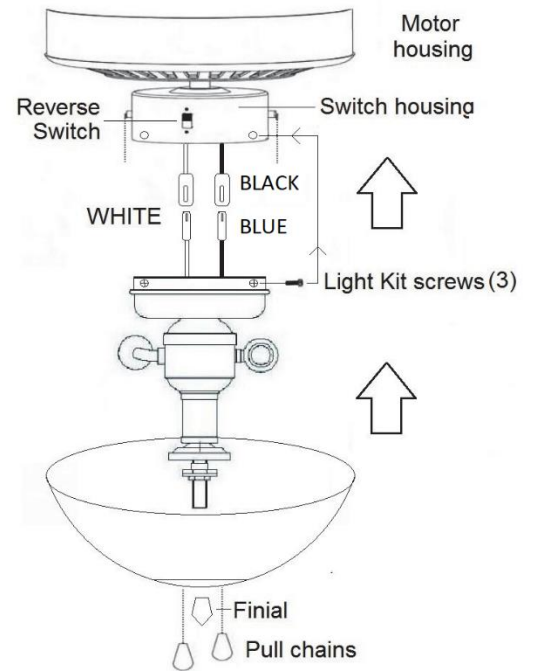
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11. Light Kit Assembly

1. Remove the three (3) screws from the light kit and set aside
2. Plug the connector from the light kit into the connectors from the switch housing
3. Correct wiring
 - White to White
 - Black to Blue
4. Gently push the connectors into the switch housing and align the holes in the light kit with the holes in the switch housing. Secure the light kit with the three (3) removed screws
5. Install the provided bulbs (See Page 3 for bulb type)
 - Ensure the bulbs are securely fastened into the sockets
6. To attach shade, remove the finial from the threaded pipe and set aside
7. Insert the pull chains through the designated holes in the shade, and attach the pull chain extensions
8. Insert the shade onto the threaded pipe and re-attach the finial, being careful not to overtighten

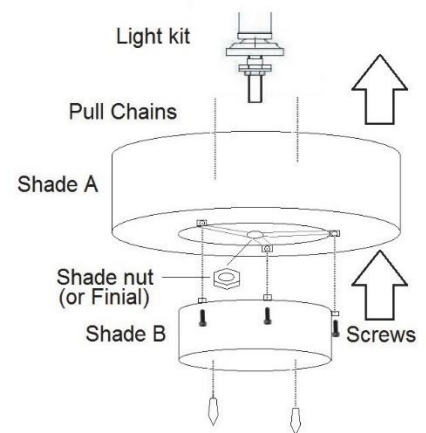


⚠ WARNING: DO NOT EXCEED INDICATED BULB WATTAGE

Alternative bulbs usage: CFL or Incandescent bulbs may be used. Ensure the Max. Wattage indicated on the socket labels is not exceeded, and verify the bulbs do not get in contact with any metal part of the fan components (shade or motor housing)

Tiered Shade Installation (if applicable)

1. Remove the three (3) screws from Shade A and set aside
2. Thread the pull chains through the designated holes in Shade B
3. Align the three (3) holes from Shade B with the holes in Shade A and insert the three (3) removed screws



MODEL NO.: 20078

Ceiling Fan Troubleshooting Guide

Welcome to the River of Goods family! We're honored you've decided to include one of our ceiling fans in your home.

Problem	Solution
Fan/Lights do not start	<ul style="list-style-type: none"> • Check all fuses/circuit breakers • Turn off electrical power and ensure the wiring is correct • Ensure bulbs(s) are fully installed in the socket
Fan is noisy	<ul style="list-style-type: none"> • Allow a 24-hour "break in" period. Any level of noise louder than ambient levels should disappear during that time • Check the electrical mounting box and ensure it is securely fastened • Check all screws/wire connections on the fan to ensure they are securely fastened • Check to make sure the motor housing bulbs are not in contact with the motor • Use of an unapproved light dimmer or wall control can cause harmonic distortion and excess noise. Check to ensure that if installed, the wall control is approved for ceiling fan use
Fan does not move much air	<ul style="list-style-type: none"> • Check the direction of the fan blades when running. If needed, flip the reverse switch on the motor housing to ensure the ceiling fan is moving air in the desired direction • Ensure no household items are obstructing the airflow of the ceiling fan • Check to ensure the ceiling fan is appropriate for the size of the room in which it is installed
Fan shakes or wobbles	<ul style="list-style-type: none"> • A small amount of wobble is typical and acceptable and is not indicative of a defect • Ensure the electrical mounting box and hanging bracket are securely fastened • Install the included balancing kit. If undesired movement persists, simply change the location of the balancing kit until the excess movement ceases

MAINTENANCE

1. The fan natural movements may cause some connections to work loose. A clicking or rattling noise is a certain sign of loosening screws. Check the support connections, brackets and blade attachment twice a year, and tighten all screws as necessary.
2. Clean your fan periodically. Use only a damp cloth (never use solvents), and dust with a soft cloth or brush.
3. You will never need to oil your fan, its permanently sealed bearing will prevent noise.
4. Make sure the power is turned off at the main fuse or circuit panel before you attempt any repairs.