

Model No. **MBF080-WH**
MBF100-WH

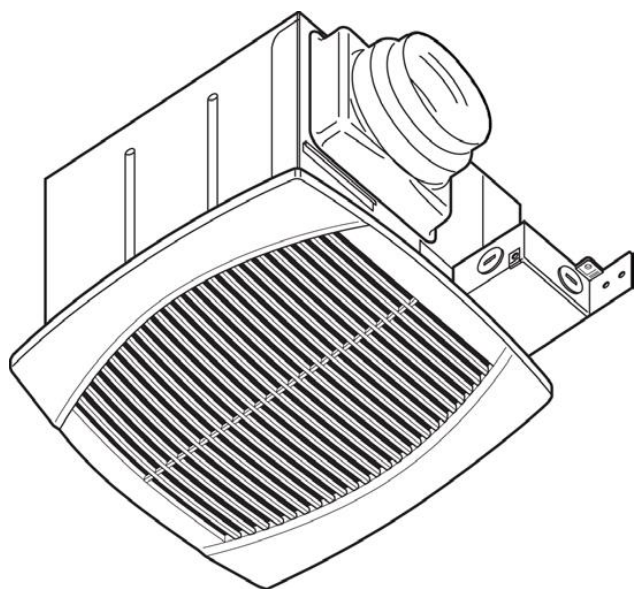


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READ AND SAVE THESE INSTRUCTIONS!

This manual contains important information regarding the proper installation, use, and maintenance of your Miseno Product. Failure to comply with the instructions found in this manual could result in personal injury or property damage. Please read and follow the instructions and supplemental information found in this manual to ensure proper performance of your Miseno Product. Please save this documentation for future reference.

IMPORTANT SAFETY INFORMATION

Improper installation or use of this product can cause damage to this product and/or injury to the user. If you have questions, please contact the manufacturer. Please review the rating label of this product for electrical and other technical data. **Please read and follow the safety information listed below to reduce the risk of fire, electric shock, or injury.**



Electrical Safety Information

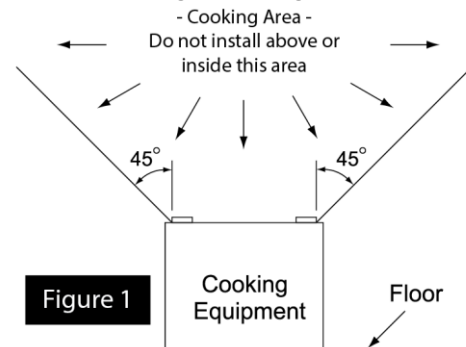
- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- Do not exceed the listed power outlet ratings.
- The unit must be installed in accordance with state and local building and electrical codes.
- A standard electrical supply (115 V, 60Hz), that is properly grounded in accordance with the National Electrical Code and local codes and ordinances is required.
- NEVER place a switch where it can be reached from a tub or shower.
- Do not bypass, cut, or remove the grounding wire.
- Contact customer service for service options if the unit needs service.
- 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.
- When cutting or drilling into a wall or ceiling, pay special attention in order to avoid damaging electrical wiring, plumbing, or other.
- Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means 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.
- Power supply wiring is to be No. 14 AWG wire or larger (suitable for at least 90°C (190°F)).
- Not for outdoor use.
- Immediately unplug the unit if it makes strange sounds, emits smells, or smoke comes out of it, and contact customer service.



General Use Safety Information

- For general ventilation purposes only. Do not to use to vent hazardous materials or vapors.
- 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 National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.

- Do not use in cooking area. (Figure 1)



- Ducted fans must always be vented to the outdoors.
- Do not use fan to exhaust corrosive gases.
- Do not block the air intakes or exhaust.
- The fan must not be installed in a ceiling with an "R" rating greater than 40.
- To reduce the risk of injury, install the fan at least 7 feet (2.1m) above the floor.
- Do not clean the fan with corrosive chemicals or water in excess of 60°C (140°F).
- The fan should not be turned on or off rapidly or left running continuously.
- If the fan is not operating properly, shut the power off immediately, and have a certified installer inspect it and have it serviced as required.
- This fan must be mounted to structural members that are strong enough to support the fan's weight.
- Do not allow foreign objects to enter the fan; this could result in electric shock or fan damage.

INTRODUCTION

Thank you for purchasing this Miseno Product.

This manual contains important information regarding the proper installation, use, and maintenance of your Miseno Product. Failure to comply with the instructions found in this manual could result in personal injury or property damage. Please read and follow the instructions and supplemental information found in this manual to ensure proper performance of your Miseno Product.

Please save this documentation for future reference.

Please save the original product packaging in case you need to return or exchange your product.

For Your Records:

Please write down the model number and serial number below for future reference. Both numbers are located on the ratings label on the back of your unit and are needed to obtain warranty service. You may also want to staple your receipt to this manual as it is the proof of your purchase, and is also needed for service under your warranty.

Model Number: _____

Serial Number: _____

Date of Purchase: _____

For information or service call or email:

Web: www.miseno.com

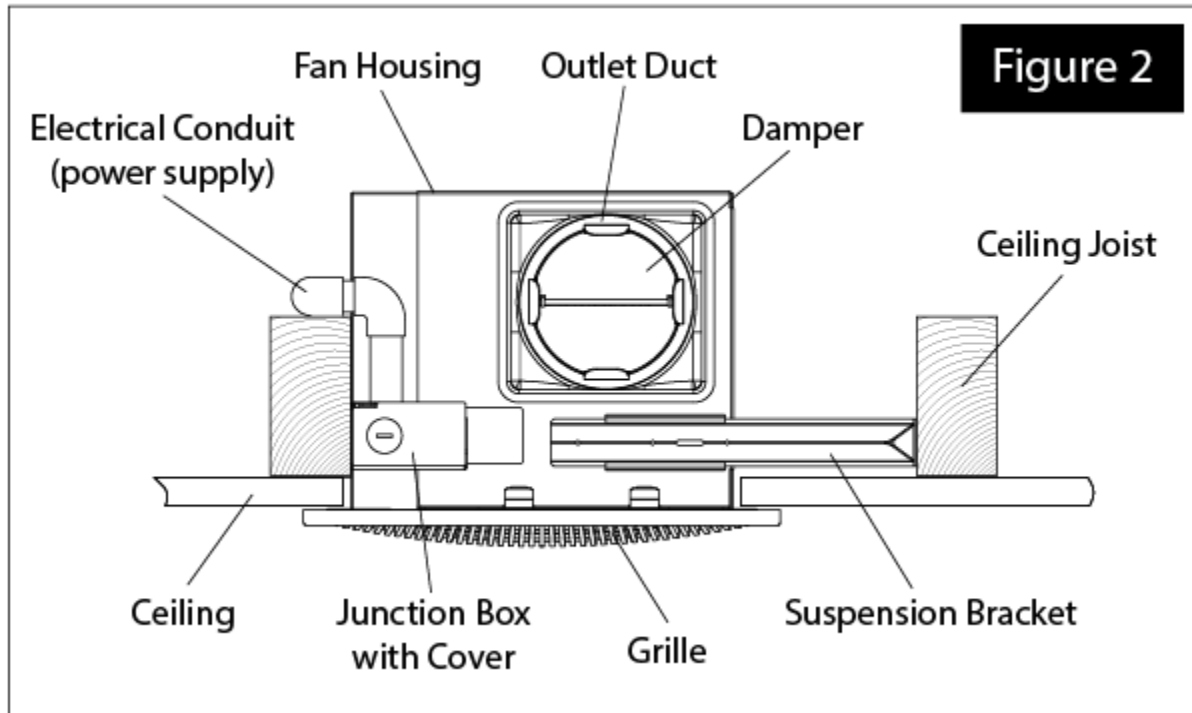
Email: infoservice@miseno.com

Phone: 1-855-480-2915

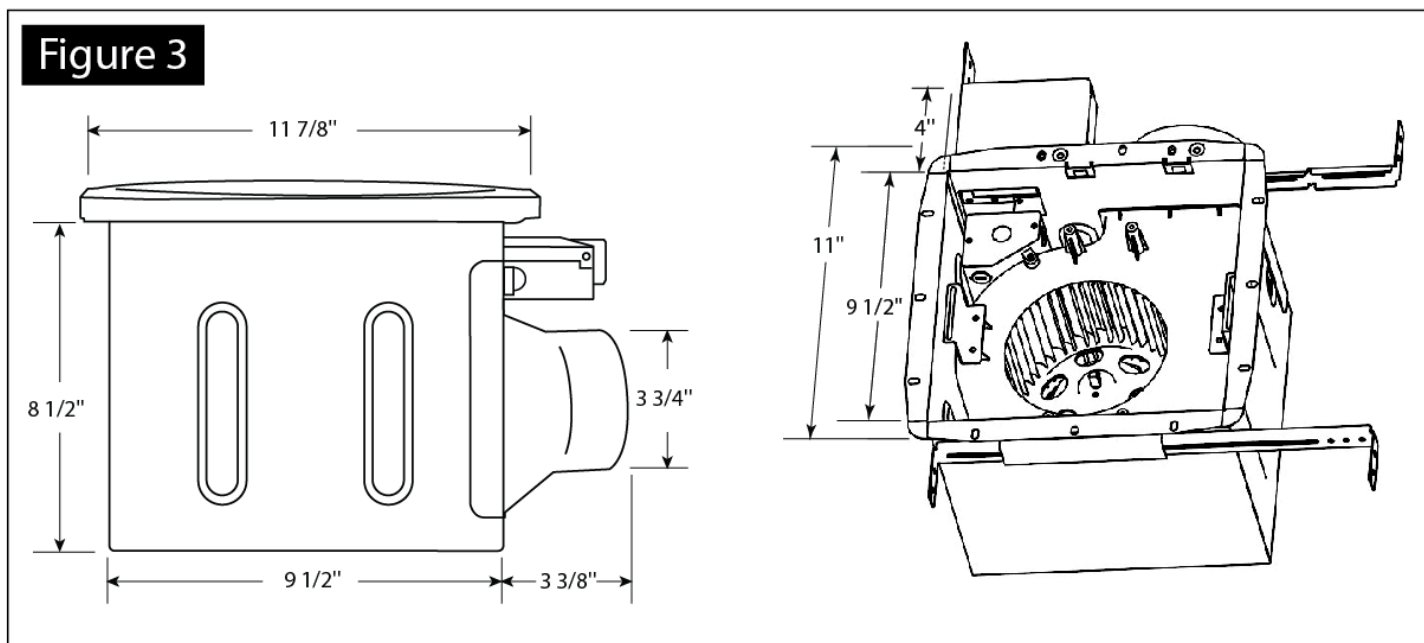
Miseno
402 Otterson Drive
Chico, CA, 95928

PARTS IDENTIFICATION

Please refer to the below diagram for a general overview of your Miseno ventilation fan.

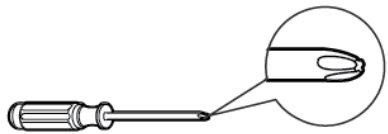
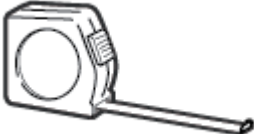
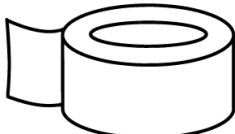
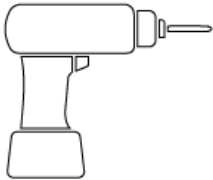




PRODUCT DIMENSIONS



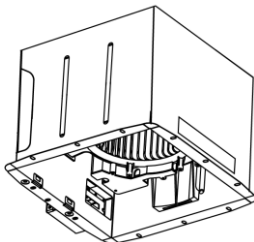

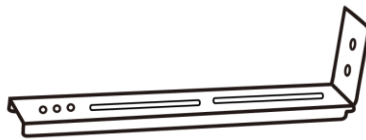
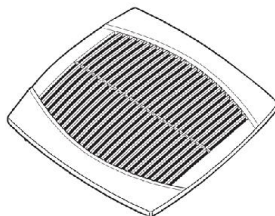
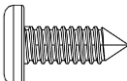
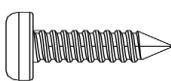


REQUIRED TOOLS

Tools needed for the installation of your bath fan are not included with this product. Below is a list of tools and supplies that will assist you with the proper installation of your product.

		
Phillips Head Screwdriver	Tape Measure	Duct Tape
		
Drill w/ Phillips Head Driver Bit	Flathead Screwdriver	Wire Nuts

INCLUDED PARTS

Please review the below included parts list. If any of the below parts are missing from your product packaging, please contact the manufacturer.

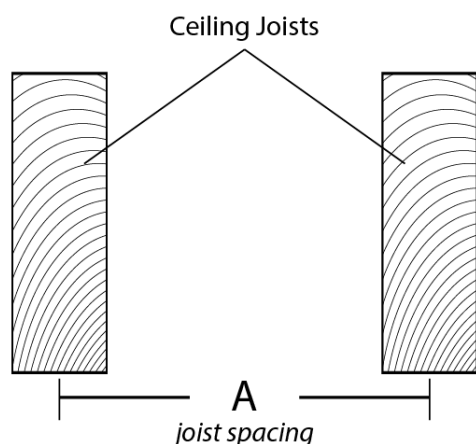
				
<i>Fan Housing</i>	<i>Suspension Bracket B (Qty 1)</i>	<i>Suspension Bracket A (Qty 4)</i>		
				
<i>Grille (Qty 1)</i>	Self-Tapping Screws (Qty 2) Phillips Head - 3.9mm x 12mm	Self-Tapping Screws (Qty 6) Phillips Head - 3.9mm x 20mm	Machine Screws (Qty 4) Phillips Head - 4mm x 8mm	<i>Cable Clamp with Set Screw</i>

INSTALLATION

This unit is intended to be installed in a ceiling. The joists where the fan is to be installed must be a minimum of 2" x 4" material to ensure adequate support. The joists should be spaced 16" on center or up to a maximum of 24" on center. This product is designed for installation in ceilings with a minimum of 9" clearance. Consult with a certified contractor if you are unsure if the framing / joists in your ceiling are sufficient for these requirements.

Refer to the below installation options diagram before proceeding:

Figure 4



Joist Spacing (A)	Installation Diagram
16"	Figure 5a
24"	Figure 5b

Figure 5a

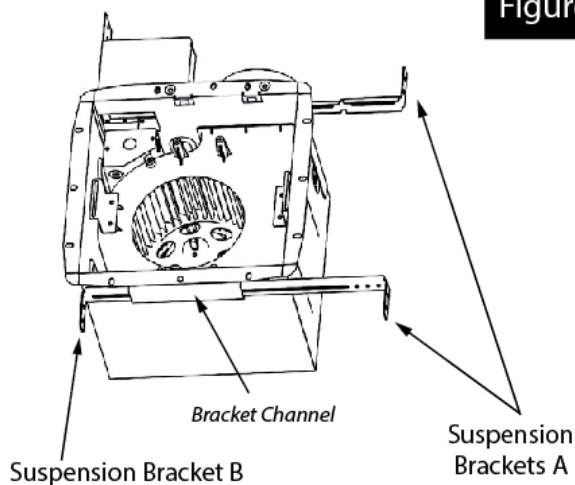
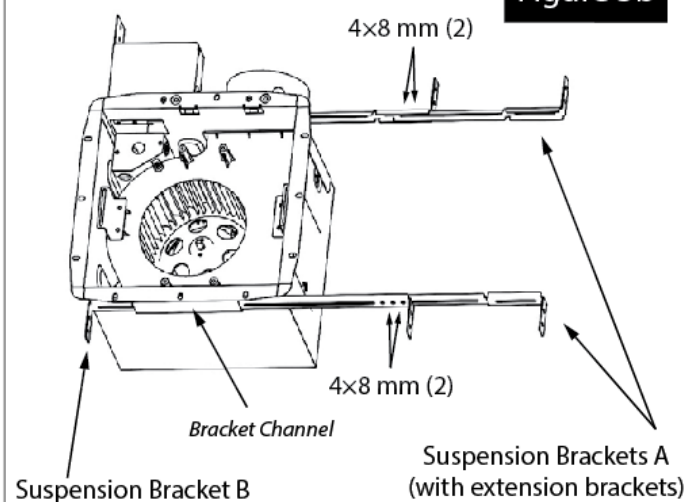


Figure 5b



Determine Installation Setup & Attach Suspension Brackets to Housing

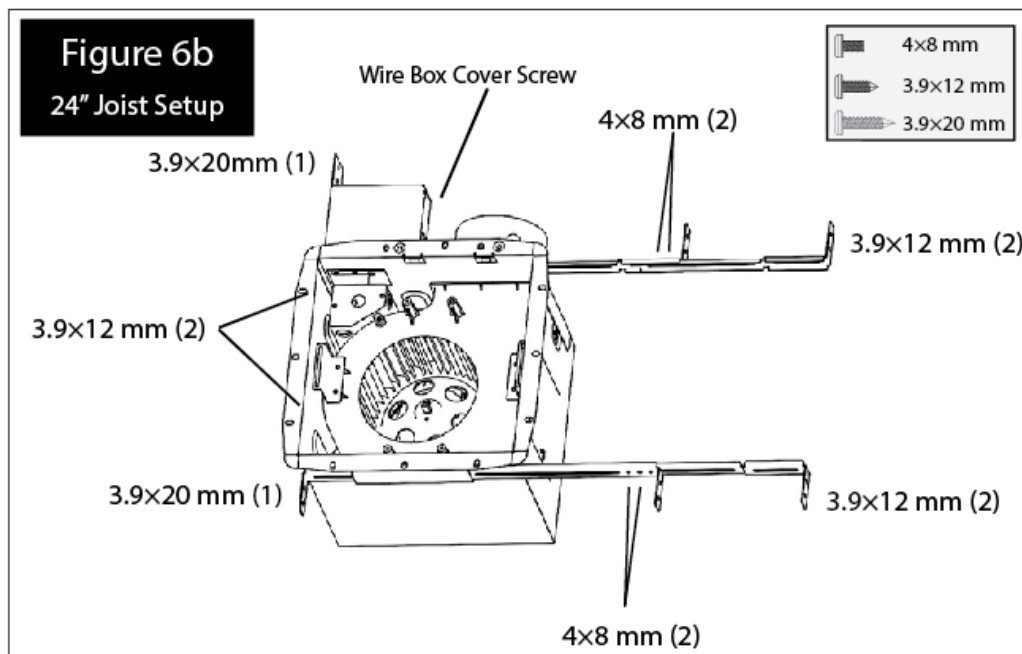
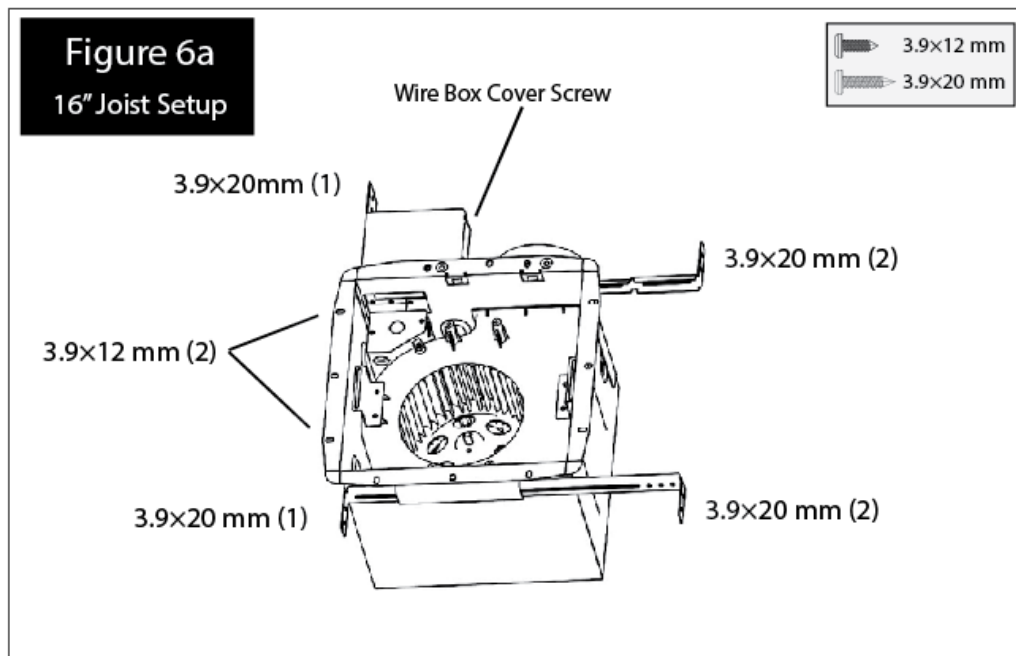
The spacing between the joists in your ceiling will determine the installation setup. Measure the distance between the center of each joist where the unit is to be installed as shown. (Figure 4)

- For joist spacing up to 16", please refer to the installation setup shown. (Figure 5a) You will need two (2) Suspension Brackets 'A' plus Suspension Bracket 'B'. Slide brackets into channel as shown.
- For joist spacing between 16" and 24" you will need four (4) Suspension Brackets 'A' plus Suspension Bracket 'B'. Fasten Suspension Brackets A together using two (2) of the included Phillips Head Machine Screws (4mm x 8mm) for each side of the fan housing as shown. (Figure 5b) *Do not fully tighten the screws until the unit is secured to ceiling joists.* Slide brackets into channel as shown. Note: The ends of Brackets A and Bracket B will slide together within the bracket channel.

INSTALLATION CONTINUED

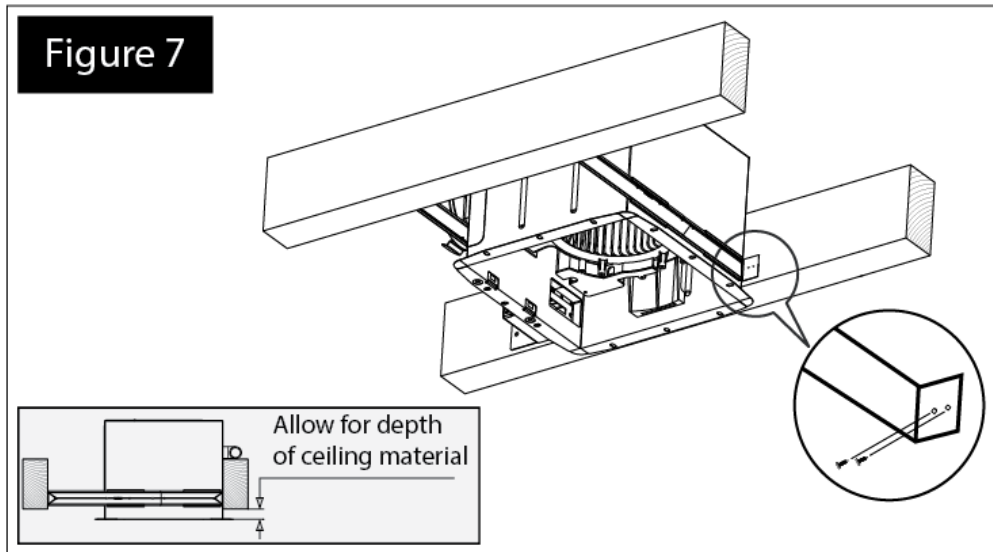
Secure Fan Housing and Suspension Brackets to Ceiling Joists

1. Remove the wire box cover to allow for easier wire connections when unit is secured to joists. The wire box cover plate has two (2) screws that secure it to the wire box. Removing the one (1) screw located closest to the middle of the unit will allow the cover plate to pivot open to allow access to the wires. (Figure 6a, Figure 6b)
2. Refer to the screw location diagram for your installation setup. (Figure 6a, Figure 6b) Position the fan housing with suspension brackets attached where the unit is to be installed.



3. Drive the self-tapping screws with a Phillips Head screwdriver or drill with a Phillips Head drill bit attachment to secure fan unit to joists. There are two (2) screw holes located at the end of each suspension bracket as well as on the wire box bracket that are to be used to secure the fan unit to the ceiling joists. It is recommended that a minimum of six (6) screws be used to secure the fan unit to the joists. Additional screws have been included to secure the fan housing unit itself to the joists that may be utilized, as necessary. Secure all screws to joists tightly. (Figure 6a, Figure 6b, Figure 7)

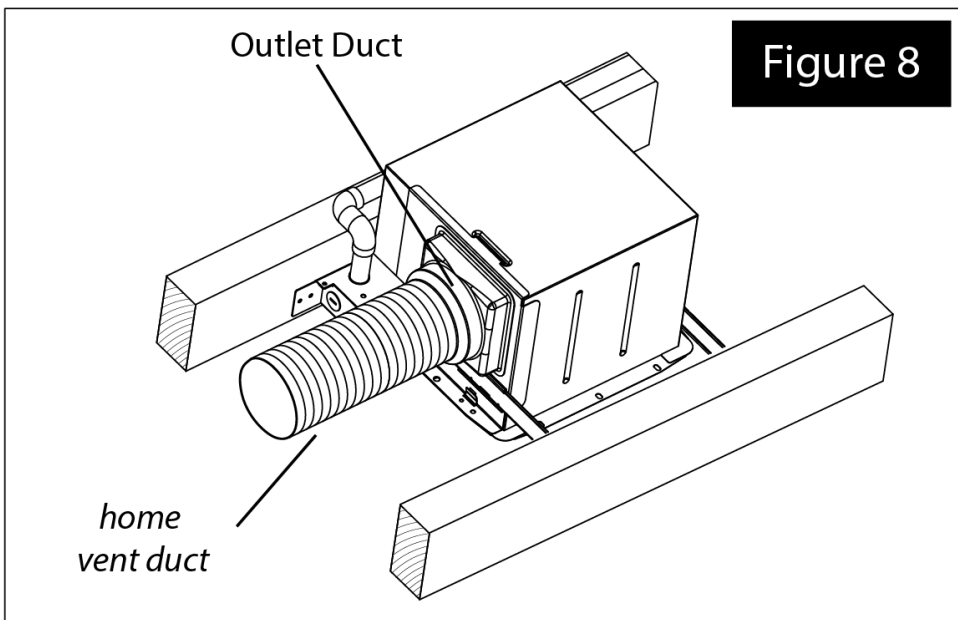
NOTE: For 24" joist setup where the extension brackets are used, please firmly tighten the 4x8mm machine screws that were used to connect the extensions brackets together.



Installation Tip: Be sure to allow for the appropriate depth for your particular ceiling type. The bottom edge of the housing should be flush with the ceiling.

Connect Outlet Duct to Home Vent Duct

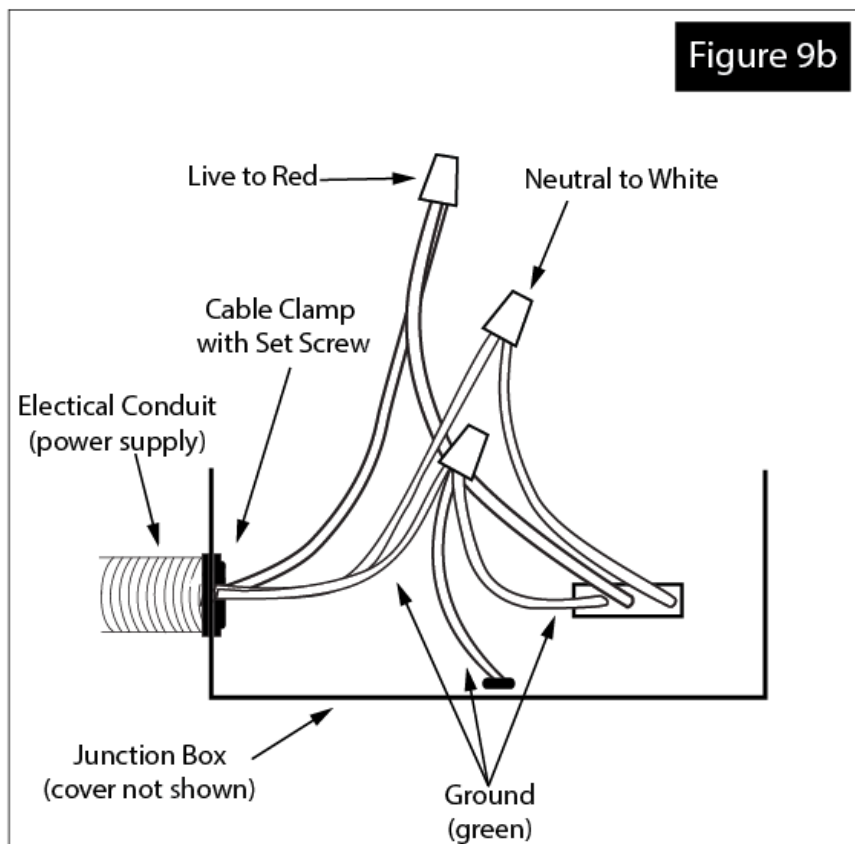
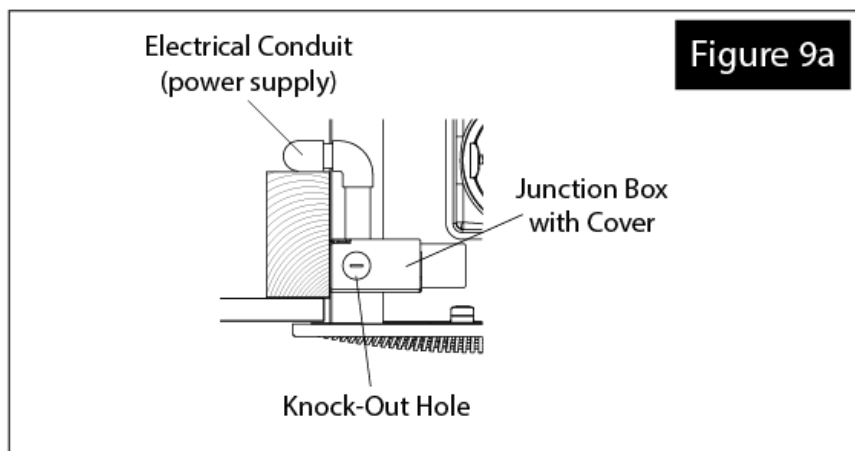
- Connect the in home vent duct to outlet duct on fan unit and secure with clamps or wire ties and seal with mastic or approved duct tape (*not included*). Circular duct work with minimal bends is recommended for best air flow performance. (Figure 8)



NOTE: In order for the fan to operate efficiently, keep the in home vent duct as straight as possible.

Connect Power Supply to Fan Unit Wiring

- Make all the electrical connections in the wire box, per the wiring diagram, using UL approved wire nuts (not included) and re-attach the wire box cover. Refer to the wiring diagram located at the end of this manual for additional wiring information. (Figure 9a, Figure 9b) *Please consult with a certified electrician if you have questions regarding the electrical connections for this unit.*



WARNING

Failure to turn OFF power supply prior to installation of this appliance can result in electrical shock, fire, and/or death.

Attach Grille

- To complete installation, attach the grille by gently squeezing the wire springs and inserting into the two (2) slots located on the inside edges of the fan housing. Once partially inserted, the springs will pull the grille towards the fan housing for a snug fit.

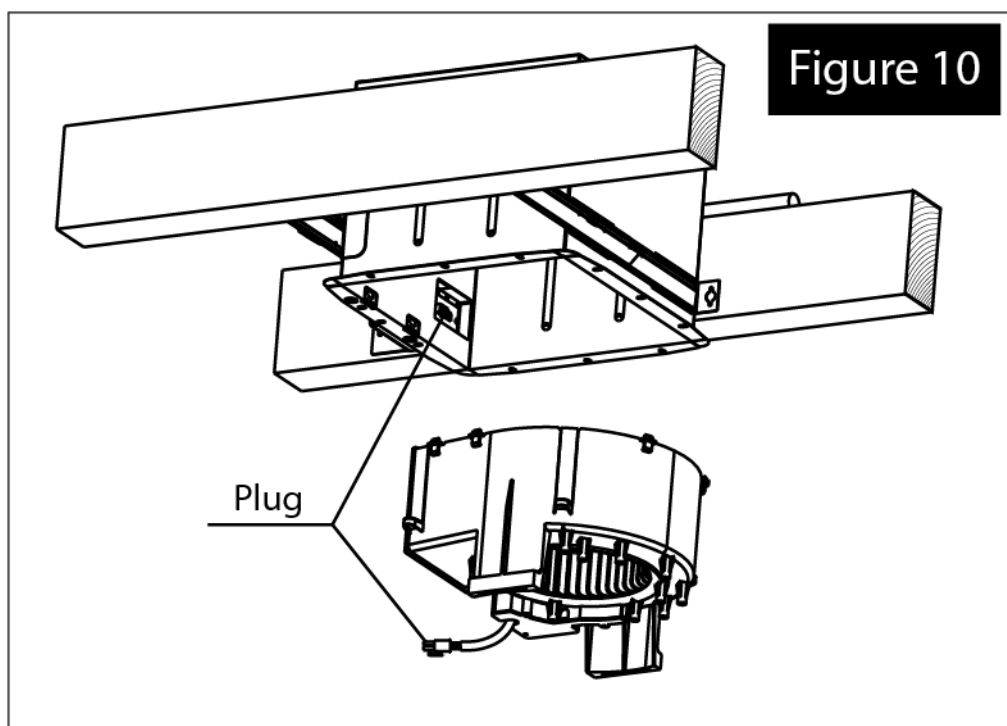
CLEANING AND MAINTENANCE

Periodic maintenance should be performed to ensure proper performance and long product life. Routine maintenance should be performed yearly, however more frequent maintenance may be required depending on the environment in which the unit has been installed.

WARNING! Disconnect from power source before performing maintenance.

- To clean the grille, first remove it from the fan. Then use a soft brush or vacuum with soft bristle attachment to remove all dirt and debris. If the dirt is not easily removed, wash with a neutral detergent. Ensure that the grille is completely dry before reinstallation.
- If it is necessary to remove the impeller and fan motor housing for maintenance, first unplug the electrical connection and then remove the four (4) screws that secure the fan assembly to the housing. To clean the impeller and housing, remove the motor and then wash with water or a neutral detergent, as required. (Figure 10)

NOTE: Keep all electrical components away from water. Do not use corrosive chemicals or water in excess of 60°C (140°F) to clean plastic parts.



TROUBLESHOOTING

Problem	Possible causes	Solutions
The fan is noisy.	The CFM rating is too high.	Verify that the CFM rating on the fan matches the size requirements for the room in which the unit is installed.
	The damper is damaged or not working properly.	Check the damper (Figure 2) to ensure it is opening and closing properly. If the damper has become damaged or unable to open and close freely, 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 exhaust vent duct closer than 24in. to the outlet duct on the fan unit.
	The fan discharge has been reduced to fit a smaller duct.	Use the recommended size ducting to reduce fan noise. (Figure 3)
	The fan unit is not installed or attached properly.	Be sure the fan is securely attached to the ceiling joists. (Figure 6a, Figure 6b)
The fan is not operating as expected.	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.	Verify that the CFM rating on the fan matches the size requirements for the room in which the unit is installed.
Fan Will Not Turn On	A fuse has blown or the circuit breaker is tripped.	Replace the broken fuse in your fuse box or reset the breaker.
	The internal fan motor plug has become disconnected.	<ul style="list-style-type: none"> • Disconnect power source. • Remove grille and wire box cover (see 'Maintenance' Section). • Check to ensure that the internal electrical plug is properly connected to fan housing.

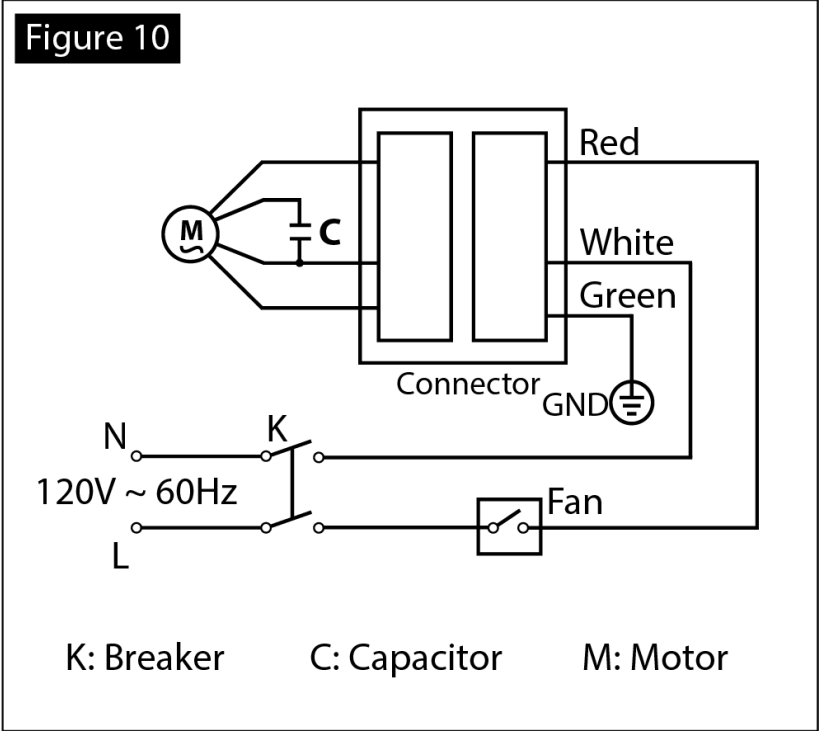
SPECIFICATIONS

Model No.	MBF080-WH	MBF100-WH
Voltage/Frequency	AC 120V~60Hz	AC 120V~60Hz
Color	White	White
Duct Diameter	4"	4"
Speed (RPM)	660	780
Noise (Sones)	<0.3	0.7
Power Consumption (W)	25	30
Airflow (CFM)	80	110
Dimensions	Refer to Figure 3	Refer to Figure 3
Net Weight	10 lbs. / 4.5 kg	10 lbs. / 4.5 kg

Note: Technical data and performance information is provided for reference only.

Specifications are subject to change. Check the rating label for the most accurate information.

WIRING DIAGRAM



WARRANTY



Warranty Details

Subject to the limitations expressed herein, Seller warrants to the original purchaser that ventilation fans manufactured by Seller shall be free from defects in design, material and workmanship under Normal Use for 3-year ("Warranty Period"). This warranty is void for any damage caused by misuse, abuse, neglect, acts of God, or improper installation.

For the purpose of this section, "Normal Use" means in strict accordance with the installation, operation and maintenance manual for residential applications only. The warranty for products not manufactured by Seller is provided by the original equipment manufacturer.

REMEDIES: Seller shall repair or replace, at its option, any non-conforming or otherwise defective product, upon receipt of notice from Buyer during the Warranty Period at no additional charge.

SELLER HEREBY DISCLAIMS ALL OTHER EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS OR FITNESS FOR A PARTICULAR PURPOSE.

LIMITATION OF LIABILITY: UNDER NO CIRCUMSTANCES SHALL EITHER PARTY BE LIABLE TO THE OTHER FOR INCIDENTAL, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. BUYER HEREBY ACKNOWLEDGES AND AGREES THAT UNDER NO CIRCUMSTANCES, AND IN NO EVENT, SHALL SELLER'S LIABILITY, IF ANY, EXCEED THE NET SALES PRICE OF THE DEFECTIVE PRODUCT(S) PURCHASED DURING THE PREVIOUS CONTRACT YEAR.

LABOR ALLOWANCE: Seller makes NO ADDITIONAL ALLOWANCE FOR THE LABOR OR EXPENSE OF REPAIRING OR REPLACING DEFECTIVE PRODUCTS OR WORKMANSHIP OR DAMAGE RESULTING FROM THE SAME.

RECOMMENDATIONS BY SELLER: Seller may assist Buyer in selection decisions by providing information regarding products that it manufactures and those manufactured by others. However, Buyer acknowledges that Buyer ultimately chooses the product's suitability for its particular use, as normally signified by the signature of Buyer's technical representative. Any recommendations made by Seller concerning the use, design, application or operation of the products shall not be construed as representations or warranties, expressed or implied. Failure by Seller to make recommendations or give advice to Buyer shall not impose any liability upon Seller.

EXCUSED PERFORMANCE: Seller will make a good faith effort to complete delivery of the products as indicated by Seller in writing, but Seller assumes no responsibility or liability and will accept no back charge for loss or damage due to delay or inability to deliver, caused by acts of God, war, labor difficulties, accidents, inability to obtain materials, delays of carriers, contractors or suppliers or any other causes of any kind whatever beyond the control of Seller.

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