

Ceiling Fans

MODEL: PFHB-52N SERIES

CAUTIONS

1. Before wiring the paddle fan, turn off the electric power supply at the main fuse or circuit breaker box and leave it off until installation is complete.
2. Mount the outlet box so it will support a minimum of 45 pounds. The outlet box must be mounted flush to ceiling. Do not use a plastic outlet box.
3. Do not install paddle fan with less than 7 feet clearance between floor and lowest edge of fan blades.
4. If you are unfamiliar with electrical wiring, acquire the services of a qualified electrician.
5. Use proper cable and fittings. Be sure fan is properly grounded. Wiring must comply with national and local electrical codes.
6. **Electrical requirements:** 120vAC, 60Hz, single phase, 1 amp. – without optional lighting accessory.
7. Fan blades may be cleaned with a mild soap solution. Do not use an abrasive cleaner or a strong chemical cleaner.
8. **WARNING: To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.** (Note: Refer to NuTone's catalog for appropriate speed control switches.)
9. **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 between rotating fan blades.**

LOCATION

1. **Minimum ceiling height: 8 feet.** When fan is installed, this allows a minimum of 7 feet between floor and fan blades.
2. The center of the fan must be located at least 32" from any vertical surface.
3. Do not mount fan below, next to, or between air ducts, beams, or any other obstructions which may interfere with the natural air flow pattern created by the fan.

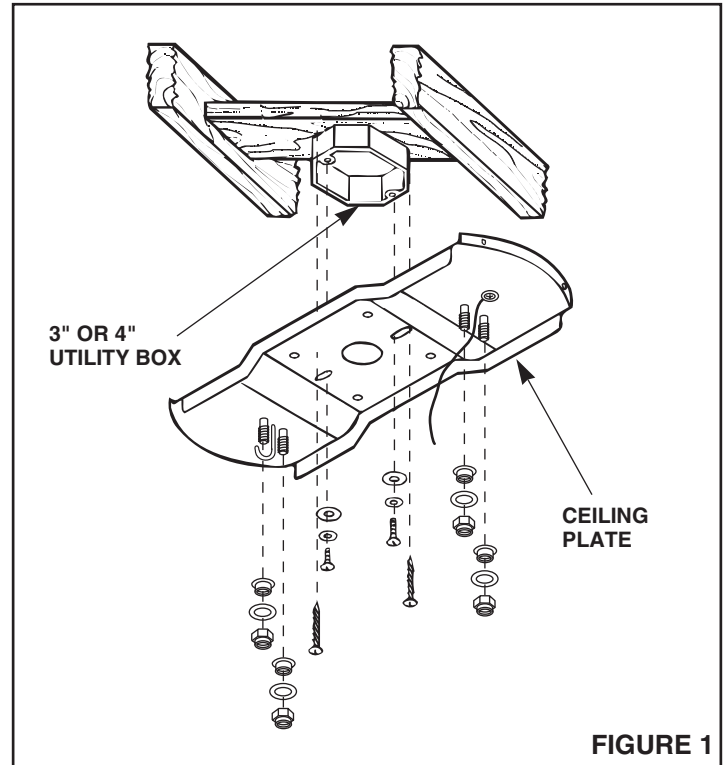


FIGURE 1

MOUNTING OUTLET BOX AND CEILING PLATE

Refer to Figure 1.

CAUTION: To reduce the risk of personal injury, install the supplemental mounting means and use only the hardware provided with the fan or use a listed outlet box marked as acceptable for fan support. If the combined weight of the ceiling fan and any light kit used with it exceeds 35 pounds, the fan should be supported independently of the outlet box. The weight of your fan is 15.4 lbs.

1. Fan mounts to a standard 4" metallic outlet box or a listed fan support box.
2. When using a standard outlet box install a header between joists and securely mount outlet box to header. using screws, washers and rubber pads supplied secure ceiling plate to outlet box.
3. Using two (2) long wood screws provided, secure ceiling plate to header so that the outlet box is not the only means of support.
4. If a listed box marked "acceptable for fan support" is used follow the instructions provided with the box.

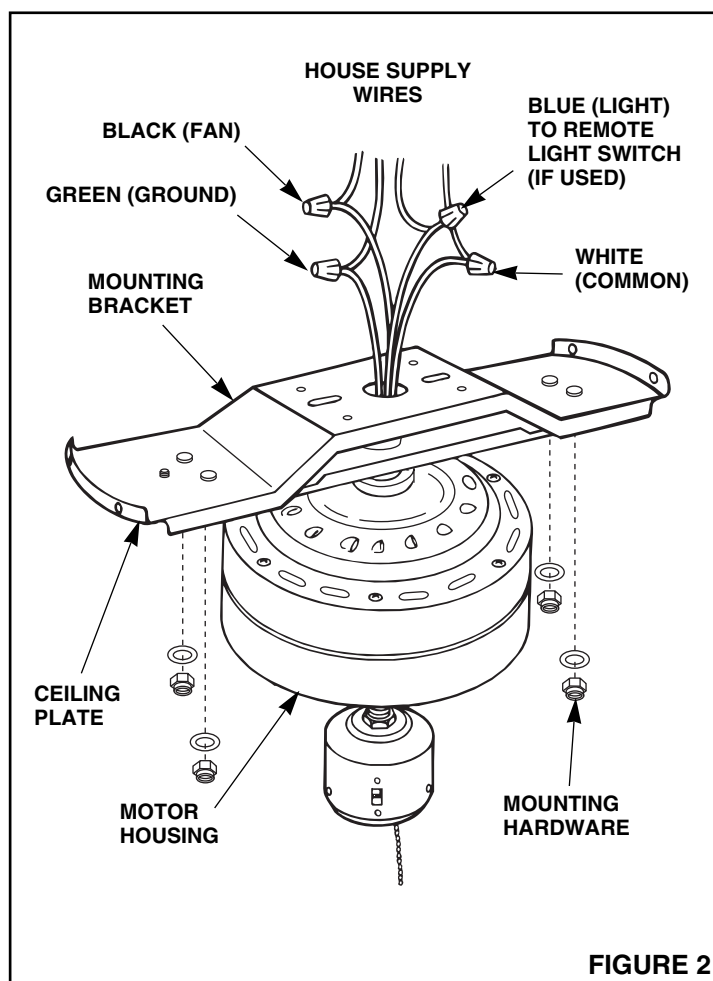
WIRING THE FAN

1. Make sure electrical supply is disconnected at breaker or fuse box.
2. **Refer to Figure 2.** Hang motor assembly on hook located on ceiling plate.
3. Using listed wire connectors make the following connections: Black to black supply wire, white to white supply wire and green to green or bare supply ground wire.

NOTE: The blue wire is used for optional NuTone lighting accessory. If lighting accessory is used, connect blue wire to black supply wire. If remote control of fan and light is desired, connect blue wire to remote light switch and black wire to remote fan switch. If no light kit is used, blue wire should be capped with a listed wire connector.

NOTE: For remote wall switch, use only a NuTone listed accessory or a listed general use switch.

4. After connecting wires, the splices should be turned upward and pushed carefully up into the outlet box with the white and green wires on one side of the box and the black and blue wires on the other side of the box.

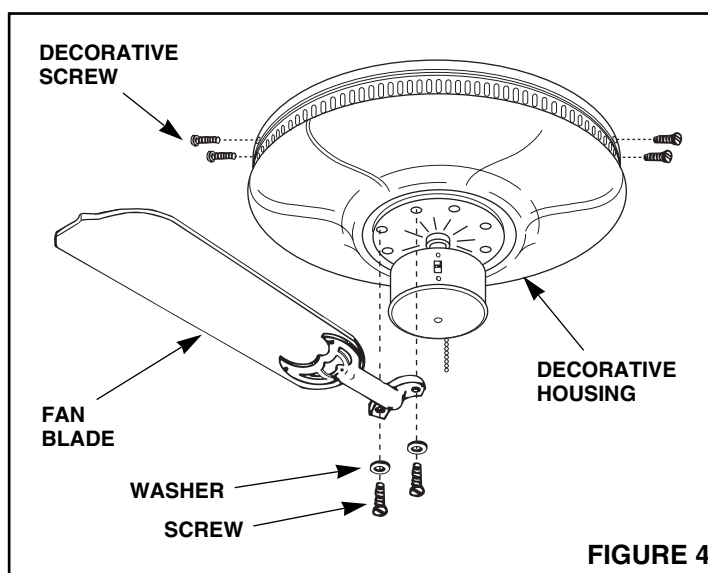
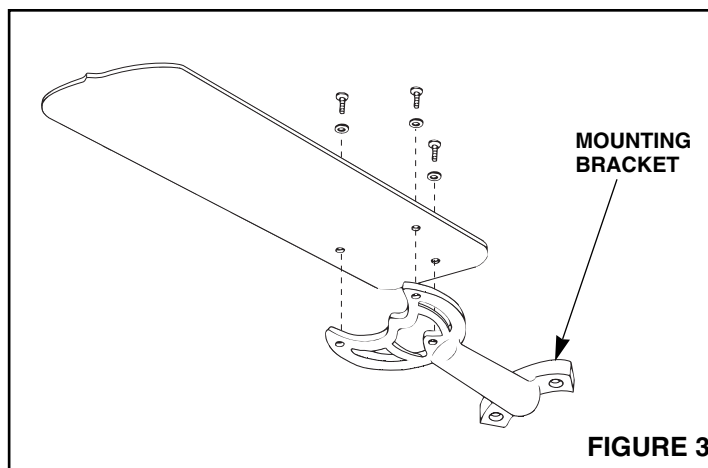


MOUNTING THE FAN

1. Place four (4) brass eyelets into top of rubber grommets on top of motor mounting bracket. Place rubber grommets of motor mounting plate over weld studs on ceiling plate. Secure with four (4) flat washers and self locking nuts provided. Tighten nuts until motor assembly is held securely to ceiling plate.
2. Using four (4) screws provided, fasten fan housing to ceiling plate.

ATTACHING FAN BLADES

1. **Refer to Figure 3.** Using three (3) screws and fiber washers provided, fasten blade to blade mounting bracket. Repeat for all blades.
2. **Refer to Figure 4.** Using two (2) blade mounting screws and washers mount blade to flywheel of fan. Repeat for all blades.



LIGHT KITS

If optional NuTone light kit (sold separately) is used see installation instructions provided with the kit.

OPERATION CHECK

1. Reconnect electrical power at breaker or fuse box.
2. Check operation of pull chain switch for HI – MED – LO – OFF operation.
3. Let fan come to a complete stop and check operation of reversing slide switch. Air may be directed up or down by use of this switch.

IMPORTANT SAFEGUARDS

1. Be sure fan is switched off before cleaning it.*
2. Keep hands, clothing, and other objects away from moving fan blades.
3. Exercise close supervision of children if they are present when fan is operating.
4. Shut off electricity to fan before servicing or working near fan.
5. Do not operate fan if it has been damaged in any manner. Contact your nearest NuTone Authorized Service Center.

*Fan blades may be cleaned with a mild soap solution. Do not use an abrasive cleaner or a strong chemical cleaner.



Two Year Limited Warranty

WARRANTY OWNER: NuTone warrants to the original consumer purchaser of its products that such products will be free from defects in materials or workmanship for a period of two (2) years from the date of original purchase. **THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

During this two year period, NuTone will, at its option, repair or replace, without charge, any product or part which is found to be defective under normal use and service. **THIS WARRANTY DOES NOT EXTEND TO FLUORESCENT LAMP STARTERS OR TUBES, FILTERS, DUCT, ROOF CAPS, WALL CAPS AND OTHER ACCESSORIES FOR DUCTING.** This warranty does not cover (a) normal maintenance and service or (b) any products or parts which have been subject to misuse, negligence, accident, improper maintenance or repair (other than by NuTone), faulty installation or installation contrary to recommended installation instructions.

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WARRANTY SERVICE: To qualify for warranty service, you must (a) notify NuTone at the address stated below or telephone 1/800-543-8687, (b) give the model number and part identification and (c) describe the nature of any defect in the product or part. At the time of requesting warranty service, you must present evidence of the original purchase date.

Date of Installation

Builder or Installer

Model No. and Product Description

IF YOU NEED ASSISTANCE OR SERVICE:

For the location of your nearest NuTone Independent Authorized Service Center:

Residents of the contiguous United States Dial Free 1-800-543-8687

Please be prepared to provide:

Product model number • Date and Proof of purchase • The nature of the difficulty

Residents of Alaska or Hawaii should write to: NuTone Inc. Attn: Department of National Field Service, 4820 Red Bank Road, Cincinnati Ohio 45227-1599.

Residents of Canada should write to: Broan-NuTone Canada, 1140 Tristar Drive, Mississauga, Ontario, Canada L5T 1H9.

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Product specifications subject to change without notice.

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