



To order replacement filters contact your distributor or visit www.purifan.com



Owner's Manual Model PF-1

Installation and Operating Instructions
For use with 52" four or five blade ceiling fans

A Wholly Owned Subsidiary of





For more information on other Heartland Technologies products, or on the availability of distributorships, contact:

Heartland Technologies, Inc.
Toll-Free: 1-877-789-9580
FAX: (316) 262-0758
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**This document contains important information concerning the installation, operation, and maintenance of the Purifan unit.
Please read carefully and save.**

MADE IN USA
U.S. PAT.# 6,004,365; 6,372,005
AND OTHER PATENTS PENDING

Performance and Care of your Purifan

The Purifan unit is designed to operate at 200 r.p.m. At this speed, the unit will circulate 2200 cubic feet of air per minute, which means that the air volume in 20' x 20' x 8' space (3200 cubic feet) will be filtered more than 40 time per hour. Installing the unit on fans that rotate at a slower speed or in a space with higher ceilings will result in a decreased performance.

To achieve the best results from your Purifan, it will sometimes be necessary to replace existing ceiling fans with ones that will produce the desired results. When installing the Purifan units in a larger space, it is recommended that one unit be installed for every 2800 cubic feet of space and spread evenly over the entire area.

The Purifan filters should be removed and vacuumed once a month to clean out the dust and

lint build-up and prolong the life of the filters. Never wash the filters, as this will ruin them. The filters need to be replaced when the activated charcoal and/or the HEPA portion of the filters have absorbed air pollutants to their full capacity. It will become apparent when the filters are clogged – you will notice the smoke and odors returning and the decreased air flow through the unit.

Anticipated replacement of filters in an average home is 6-8 months. In commercial establishments, depending on the volume of pollutants, anticipated replacement of filters is 3-6 months.

Get the best performance from your Purifan – perform your monthly maintenance!

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Limited Lifetime Warranty

Purifan, Inc., warrants to the original consumer or purchaser that the Purifan (Model: PF-1) (the "Unit") is free from any defects in material or workmanship for the life of the original consumer or purchaser. If any such defect is discovered within the warranty period, Purifan, Inc., will repair or replace the Unit for a \$35 fee to cover the cost of handling and return postage.

For warranty service, call 1-877-789-9580 to obtain a Return Authorization (RA) number. After receiving the RA number, ship the Unit postage-paid with a check for \$35.00 and proof of purchase (date and place of purchase) to:

**Purifan, Inc.
2033 Northern
Wichita, Kansas 67216**

To assure proper handling, you must have a RA number.

This warranty does not apply to defects resulting from abuse of the Unit; modification, alteration, repair, or service of the Unit by anyone other than an authorized Purifan service representative; mishandling; **improper maintenance, including, without limitation, the use of spare parts (including replacement filters)** not manufactured by Purifan, Inc.; or damages which occur in shipment or are attributable to Acts of God.

THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY, DESCRIPTION, AND FITNESS FOR A PARTICULAR PURPOSE.

YOUR SOLE REMEDY, WHETHER IN CONTRACT, UNDER ANY WARRANTY, IN TORT (INCLUDING NEGLIGENCE), IN STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE RETURN OF THE AMOUNT OF THE PURCHASE PRICE PAID BY YOU, AND UNDER NO CIRCUMSTANCES SHALL PURIFAN, INC., BE LIAIBLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, PROPERTY DAMAGE, DAMAGE TO OR LOSS OF EQUIPMENT, LOST PROFITS OR REVENUE, COSTS OF RENTING REPLACEMENTS AND OTHER ADDITIONAL EXPENSES, EVEN IF PURIFAN, INC., HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE PRICE STATED FOR THE UNIT IS IN CONSIDERATION OF LIMITING PURIFAN, INC.'S LIABILITY AND YOUR REMEDY.

Some states do not allow the exclusion or limitation of damages, or a limitation on how long certain warranties last, therefore, the exclusions or limitations set forth above may not apply to you. This warranty gives specific legal rights and you may have other rights which vary from state-to-state.

For your records;

Serial #: _____

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Safety

If you are installing a ceiling fan, the fan must be installed in accordance with the fan manufacturer's installation instructions regarding proper support. The electrical junction box must be secured to a joist, cross brace or a cross hanger as required by the ceiling fan manufacturer.

If you are installing the Purifan on an existing ceiling fan, check to insure that the ceiling fan has been installed properly and according to manufacturer requirements. Consult a qualified electrician if in doubt.

WARNING: ELECTRICAL SHOCK HAZARD.

IF THE LIGHT ASSEMBLY IS TO BE REMOVED, BE SURE THAT ELECTRICITY TO THE CEILING FAN HAS BEEN TURNED OFF AT THE CIRCUIT BREAKER OR FUSE BOX, PRIOR TO DISCONNECTING THE LIGHT FIXTURE ASSEMBLY.

Preparations:

Turn off the ceiling fan and allow time for the fan to come to a complete stop, and light bulbs to cool before proceeding. Turn the ceiling fan back on for one or two seconds and observe the starting direction of rotation. Fan blades should begin to rotate counter-clockwise (right to left as viewed from below). This is the preferred direction for the Purifan. If the fan blades rotate clockwise (left to right viewed from below), wait for the fan to come to a complete stop,

then move the "direction of rotation two-position slide switch" mounted on the side of the ceiling fan control/light kit box to the opposite direction (usually the down position) attach the purifan logo sticker supplied to the control box to indicate the correct position of the directional switch.

Depending on the light assembly configuration, the Purifan can be installed over the light fixture by removing light bulbs and decorative globes. However, in some ceiling fan models it may be necessary to remove the entire light assembly.

Purifan Package Contents:

- 1 - Purifan with filters.
- 5 - Mounting Brackets.
- 5 - Mounting screws 1/4 x 3/4
- 5 - Mounting screw lock washers.
- 3 - Leveling Washers.
- 1 - Warranty Card.

Tools Required for installation:

Phillips Screwdriver
Stepladder

3. If your Purifan has a horizontal "wobble" (Fig. L), loosen all screws that fasten the bracket to the Purifan. Change all brackets, ONE BRACKET AT A TIME, to the fan motor paddle blade mounting holes previously skipped. DO NOT restart the Purifan until all brackets have been switched to the adjacent motor mounting screw hole. THERE SHOULD ALWAYS BE ONE UNUSED MOTOR MOUNTING HOLE BETWEEN PURIFAN BRACKETS.

4. Tighten all screws.

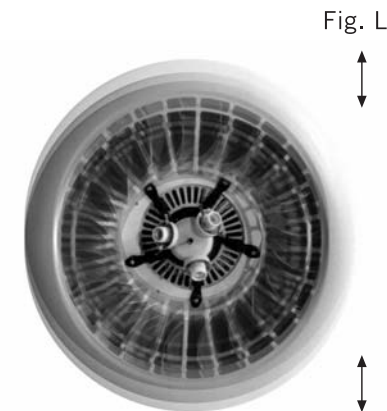


Fig. L

Purifan Filter Replacement

Simply lift the filter retaining door vertically, remove the old filter and replace with a new filter. Reinstall the door (Fig. M,N).

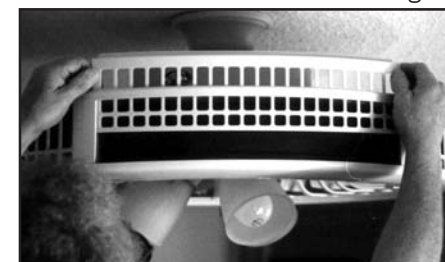


Fig. M

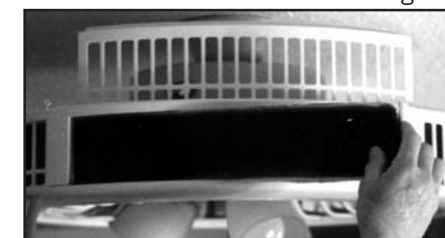


Fig. N

LEVELING PROCEDURE:

Like ceiling fans, the PuriFan may exhibit a slight wobble, which will not affect the operation or performance of the unit. If the wobble is excessive or unacceptable, follow the leveling procedures below (Fig. I).



Fig. I

1. If your PuriFan has a vertical "wobble", turn off the fan, and wait until it is rotating slowly. Using a yard stick or ruler, measure the distance from the ceiling to the outside circumference of the PuriFan, and locate that part of the fan that measures the greatest distance from the ceiling (Fig. J).

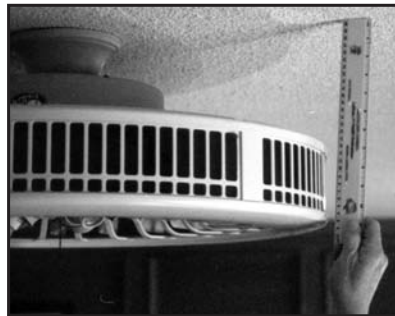


Fig. J

2. Remove the screw fastening the bracket to the PuriFan, on that part of the PuriFan measuring the greatest distance from the ceiling. Insert a leveling washer between the bracket(s) and the PuriFan, reinstall and tighten the bracket screw (Fig. K).



Fig. K

PURIFAN INSTALLATION

1. [Note: The PuriFan utilizes half the number of fan motor bracket mounting holes (every other one) than paddle blades.] Support or hold a paddle blade and remove the two screws that fasten the paddle blade bracket to the ceiling fan motor. Remove the screws from the paddle blade bracket. Re-install one of the screws in one of the two, paddle blade bracket fan motor mounting holes and tighten securely. Using the second screw, mount the "L" shaped end of one of the PuriFan mounting brackets in the second paddle blade bracket fan motor mounting hole, leaving the mounting screw loose 1/4 turn (Fig. A).



Fig. A

2. Rotate the fan motor to the next paddle blade mounting bracket. Support the paddle blade and remove the two screws that fasten the paddle blade bracket to the ceiling fan motor. Remove the two screws from the paddle blade bracket. Re-install one of the screws in the fan motor mounting hole closest to the PuriFan bracket installed in step 1, and tighten securely. Using the second screw, mount the second PuriFan bracket in the remaining paddle blade fan motor mounting hole, leaving the mounting screw loose 1/4 turn (Fig. B).



Fig. B

PURIFAN INSTALLATION CONTINUED

3. Repeat the procedure for each paddle blade. In the replacement of the last paddle blade bracket, turn the Purifan bracket approximately straight out from the ceiling fan motor and tighten the screw securely. Rotate all but the last Purifan bracket toward the center of the fan motor (Fig. C).



Fig. C

4. Suspend one side of the Purifan on the extended bracket, and support the opposite side while rotating the remaining brackets outward so as to support the entire Purifan unit (Fig. D).



Fig. D

NOTE: If the Purifan will not fit over the light fixture assembly, refer to page 2. WARNING: Electricity must be disconnected prior to removal of the light fixture assembly.

5. Loosen the mounting screw 1/4 turn on the tightened, last installed Purifan bracket. Rotate the bracket closest to the Purifan mounting hole labeled 4/5 until the mounting hole in the flat end of the bracket lines up with the 4/5 Purifan mounting hole. (Note: The 4/5 mounting hole is the one farthest removed from other mounting holes, see Fig. F) Loosely fasten the positioned screws and lock washers provided.

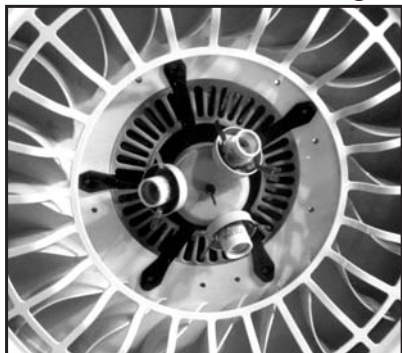


Fig. E

6. Rotate and line up the next bracket. Use mounting holes labeled 4, for a four bladed fan, mounting holes labeled 5, for a five bladed fan (Fig. F), and fasten loosely in place. Repeat the procedure for the remaining brackets.

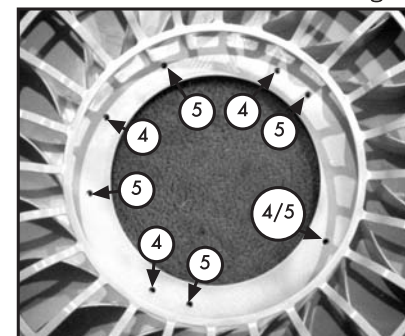


Fig. F

NOTE: Proper alignment of the bracket will not generally be straight out from the fan, but at some angle (Fig. G).

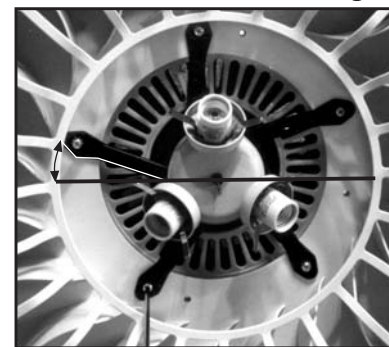


Fig. G

7. Tighten all bracket screws, first on the fan motor and secondly, the Purifan end of the bracket. Reinstall the light fixture assembly if it had been removed prior to installation. Restore electrical power to the ceiling fan.

8. Turn on the ceiling fan. If the Purifan does not rotate counter-clockwise (or from right to left as viewed from below, see Fig. H) turn off the fan, wait until the fan comes to a complete stop, and reverse the direction of the fan using the ceiling fan motor reverse switch.

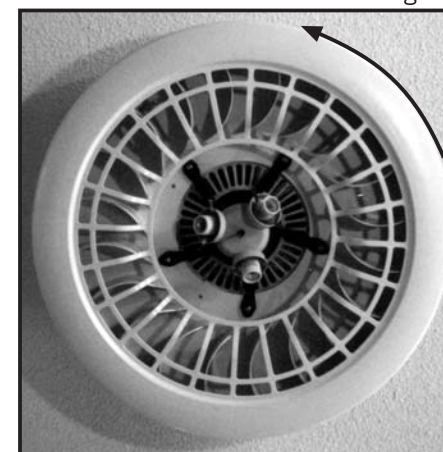


Fig. H

9. Turn on the fan and enjoy clean fresh air.

(View From below)