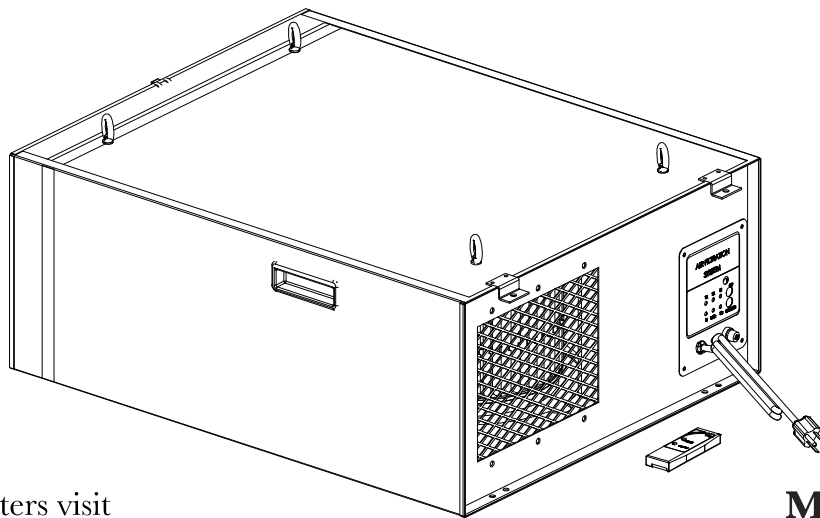




HEAVY DUTY AIR FILTRATION SYSTEM



CSA MODEL TA25



For replacement filters visit
WENPRODUCTS.COM

Model # 3415
bit.ly/wenvideo

IMPORTANT:

Your new tool has been engineered and manufactured to WEN's highest standards for dependability, ease of operation, and operator safety. When properly cared for, this product will supply you years of rugged, trouble-free performance. Pay close attention to the rules for safe operation, warnings, and cautions. If you use your tool properly and for intended purpose, you will enjoy years of safe, reliable service.

NEED HELP? CONTACT US!

Have product questions? Need technical support?
Please feel free to contact us at:

 **800-232-1195** (M-F 8AM-5PM CST)

 techsupport@wenproducts.com

 **WENPRODUCTS.COM**

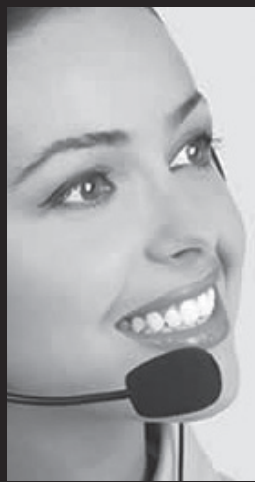


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TECHNICAL DATA

Model Number:	3415
Motor:	110-120 V, 60 Hz, 3A
Air Flow:	1044 CFM (High Speed) 702 CFM (Medium Speed) 556 CFM (Low Speed)
Air Filters:	5-Micron Outer Air Filter - Model 3415AF5 1-Micron Inner Air Filter - Model 3415AF1
Sound Output:	63-68 dB
Max. Remote Control Distance:	26 feet
Product Weight:	55 pounds
Assembled Dimensions:	30.3 x 24 x 12.2 in. (770 x 610 x 310 mm)

GENERAL SAFETY RULES

Safety is a combination of common sense, staying alert and knowing how your item works. **SAVE THESE SAFETY INSTRUCTIONS.**



WARNING: To avoid mistakes and serious injury, do not plug in your tool until the following steps have been read and understood.

1. **READ** and become familiar with this entire instruction manual. **LEARN** the tool's applications, limitations, and possible hazards.
2. **AVOID DANGEROUS CONDITIONS.** Do not use power tools in wet or damp areas or expose them to rain. Keep work areas well lit.
3. **DO NOT** use power tools in the presence of flammable liquids or gases.
4. **ALWAYS** keep your work area clean, uncluttered, and well lit. **DO NOT** work on floor surfaces that are slippery with sawdust or wax.
5. **KEEP BYSTANDERS AT A SAFE DISTANCE** from the work area, especially when the tool is operating. **NEVER** allow children or pets near the tool.
6. **DO NOT FORCE THE TOOL** to do a job for which it was not designed to do.
7. **DRESS FOR SAFETY.** Do not wear loose clothing, gloves, neckties, or jewelry (rings, watches, etc.) when operating the tool. Inappropriate clothing and items can get caught in moving parts and draw you in. **ALWAYS** wear non-slip footwear and tie back long hair.
8. **WEAR A FACE MASK OR DUST MASK** to fight the dust produced by sawing operations.



WARNING: Dust generated from certain materials can be hazardous to your health. Always operate the tool in a well-ventilated area and provide for proper dust removal. Use dust collection systems whenever possible.

9. **ALWAYS** remove the power cord plug from the electrical outlet when making adjustments, changing parts, cleaning, or working on the tool.
10. **KEEP GUARDS IN PLACE AND IN WORKING ORDER.**
11. **AVOID ACCIDENTAL START-UPS.** Make sure the power switch is in the OFF position before plugging in the power cord.
12. **REMOVE ADJUSTMENT TOOLS.** Always make sure all adjustment tools are removed from the saw before turning it on.
13. **NEVER LEAVE A RUNNING TOOL UNATTENDED.** Turn the power switch to OFF. Do not leave the tool until it has come to a complete stop.
14. **NEVER STAND ON A TOOL.** Serious injury could result if the tool tips or is accidentally hit. **DO NOT** store anything above or near the tool.

GENERAL SAFETY RULES

15. **DO NOT OVERREACH.** Keep proper footing and balance at all times. Wear oil-resistant rubber-soled footwear. Keep the floor clear of oil, scrap, and other debris.
16. **MAINTAIN TOOLS PROPERLY. ALWAYS** keep tools clean and in good working order. Follow instructions for lubricating and changing accessories.
17. **CHECK FOR DAMAGED PARTS.** Check for alignment of moving parts, jamming, breakage, improper mounting, or any other conditions that may affect the tool's operation. Any part that is damaged should be properly repaired or replaced before use.
18. **MAKE THE WORKSHOP CHILDPROOF.** Use padlocks and master switches and **ALWAYS** remove starter keys.
19. **DO NOT** operate the tool if you are under the influence of drugs, alcohol, or medication that may affect your ability to properly use the tool.
20. **USE SAFETY GOGGLES AT ALL TIMES** that comply with ANSI Z87.1. Normal safety glasses only have impact resistant lenses and are not designed for safety. Wear a face or dust mask when working in a dusty environment. Use ear protection such as plugs or muffs during extended periods of operation.

SPECIFIC RULES FOR AIR FILTRATION SYSTEMS

1. To reduce the risk of injury and electric shock hazards, disconnect the air filtration system from the power source before servicing or changing filters.
2. If mounting the air filtration system to the ceiling:
 - Make sure the bottom of the air filtration system is at least 7 feet above the floor level.
 - Anchor the air filtration system only to building structures capable of holding at least 100 lbs.
 - Do not anchor the filtration system to non-structural components such as drywall, false ceiling panels, etc.
3. Position the air filtration system so that it is at least 3 feet away from any corner or from any heating, cooling, or air circulation vents.
4. This filtration system is only designed to filter dust, small particles, etc. Do not use the air filtration system in environments that have poisonous gases, fumes, noxious smoke, or other chemical risks.
5. Do not expose the air filtration system to water. Do not use in wet or damp environments. Failure to comply with this instruction may cause damage to the unit and electric shock or other injury to the user.
6. Do not connect a power tool that expels waste or dust directly into the air filtration system. Doing so may damage the unit.
7. This filtration system is designed to filter many airborne contaminants that may damage the human respiratory system. However, the use of this system does not mean that other safety measures such as dust masks can be ignored. Seek medical attention immediately if you experience any worrying respiratory symptoms.

ELECTRICAL INFORMATION

GROUNDING INSTRUCTIONS

IN THE EVENT OF A MALFUNCTION OR BREAKDOWN, grounding provides the path of least resistance for an electric current and reduces the risk of electric shock. This tool is equipped with an electric cord that has an equipment grounding conductor and a grounding plug. The plug **MUST** be plugged into a matching outlet that is properly installed and grounded in accordance with **ALL** local codes and ordinances.

DO NOT MODIFY THE PLUG PROVIDED. If it will not fit the outlet, have the proper outlet installed by a licensed electrician.

IMPROPER CONNECTION of the equipment grounding conductor can result in electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment grounding conductor. If repair or replacement of the electric cord or plug is necessary, **DO NOT** connect the equipment grounding conductor to a live terminal.

CHECK with a licensed electrician or service personnel if you do not completely understand the grounding instructions or whether the tool is properly grounded.

USE ONLY THREE-WIRE EXTENSION CORDS that have three-pronged plugs and outlets that accept the tool's plug as shown in Figure A. Repair or replace a damaged or worn cord immediately.

CAUTION: In all cases, make certain the outlet in question is properly grounded. If you are not sure, have a licensed electrician check the outlet.

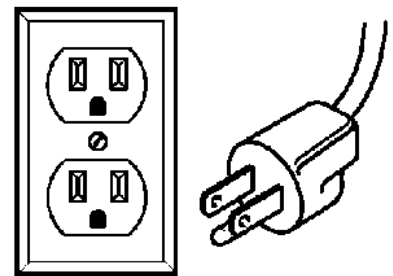


Figure A

WARNING: This tool is for indoor use only. Do not expose to rain or use in damp locations.

GUIDELINES AND RECOMMENDATIONS FOR EXTENSION CORDS

Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The table below shows the correct size to be used according to cord length and nameplate ampere rating. When in doubt, use a heavier cord. The smaller the gauge number, the heavier the cord.

AMPERAGE	REQUIRED GAUGE FOR EXTENSION CORDS			
	25 ft.	50 ft.	100 ft.	150 ft.
3.0 A	18 gauge	16 gauge	16 gauge	14 gauge

Make sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it. Protect your extension cords from sharp objects, excessive heat and damp/wet areas.

Use a separate electrical circuit for your tools. This circuit must not be less than a #12 wire and should be protected with a 15 A time-delayed fuse. Before connecting the motor to the power line, make sure the switch is in the OFF position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.

WARNING: This tool must be grounded while in use to protect the operator from electric shock.

UNPACKING

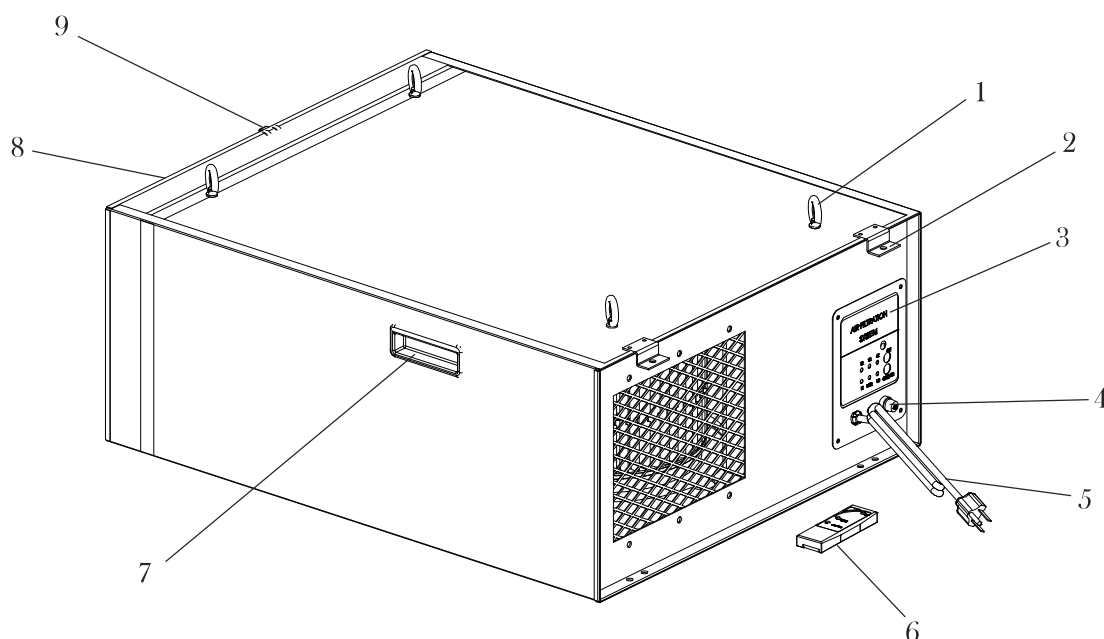
Carefully unpack the air filtration system and all its parts. Check all components and compare against the list below. Do not discard the carton or any packaging until the air filtration system is completely assembled. If any part is damaged or missing, please contact our customer service at (800) 232-1195, M-F 8-5 CST.

- Air Filtration System with Inner and Outer Filters Installed
- Mounting Hangers (4)
- Mounting Brackets (4)
- Hex Wrenches (2)
- M6 X 4.8 Bolts (8)
- M6 Flat Washers (8)
- M6 Lock Washers (8)
- Rubber Feet (4)
- Remote Control
- AAA Batteries (2)
- Instruction Manual



WARNING: Styrofoam blocks are installed around the motor inside the cabinet for shipping. The styrofoam must be removed before operation. Take off the outer and inner air filter from the back of the unit and remove the styrofoam blocks around the impellor (See page 7 “Remove the Styrofoam Blocks”).

KNOW YOUR AIR FILTRATION SYSTEM



1. Mounting Hangers
 2. Mounting Brackets
 3. Control Panel/Receiver
 4. Overload Protector Reset Button
 5. Power Cord
 6. Remote Control
 7. Carrying Handle
 8. Outer Filter
 9. Filter Lock Clip
- NOT SHOWN:
10. Inner Filter (Installed on the inside of the machine)

ASSEMBLY AND ADJUSTMENTS



WARNING: To prevent serious injury from accidental operation, make sure the power cord is disconnected from the power source and the tool is switch to OFF before assembly or making any adjustments.

The air filtration system is designed to circulate air and filter wood and other non-metallic dust. To achieve the best performance possible, it is important to consider how and where to place the unit. When selecting a site, make sure there is a suitable power source nearby. The use of an extension cord is not recommended.

REMOVE THE STYROFOAM BLOCKS (Fig. 1)

Styrofoam blocks are installed around the motor to protect it from shipping damage. They must be removed before operation. Lift up the filter lock clips on the back of the machine to remove the outer filter and inner filter and remove the styrofoam. Replace the inner and outer filters and close the lock clips.

ATTACHING THE RUBBER FEET

The four sticky rubber feet can be attached onto the base of the unit as necessary.

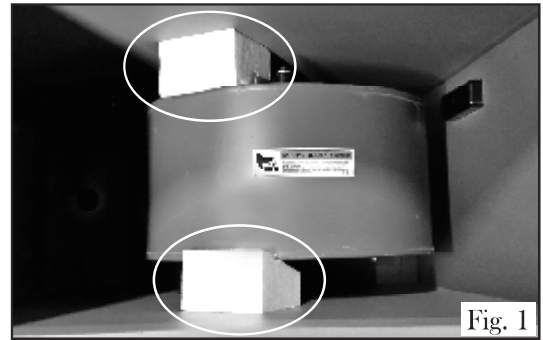


Fig. 1

INSTALLING THE HANGERS (Fig. 2)

Thread a mounting hanger (Fig. 2 - 31) into a mounting hole on the top of the air filter cabinet. Rotate the hanger clockwise to fully tighten it into the hole. Repeat for all four hangers.

INSTALLING THE BRACKETS (Fig. 2)

Attach the mounting bracket (Fig. 2 - 12) using two M6 x 4.8 bolts (Fig. 2 - 10), two M6 lock washers (Fig. 2 - 2) and two M6 flat washers (Fig. 2 - 11). Tighten bolts securely using an M10 socket or wrench (not included). Repeat for all four mounting brackets.

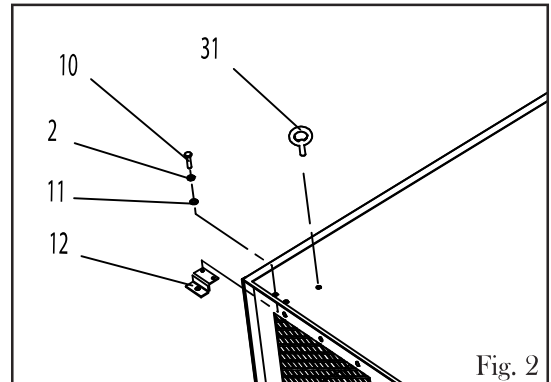


Fig. 2

CEILING MOUNTING (Fig. 3)



WARNING: Only anchor the air filtration system to building structures capable of holding at least 100 lbs. Do not mount the air filtration system to non-structural surfaces such as dry wall or false ceiling grids. The unit must be situated at least 7 feet above the floor and at least 3 feet (1 m) away from any heating, cooling, or air circulation vents.

1. Install the wood screw hooks (Fig. 2 - 1) into the building support structure. **NOTE:** Wood screw hooks and chains used for ceiling mounting are not included. Make sure to use chain and hooks that are properly rated for hanging this unit.

2. Place a chain (Fig. 2 - 2) on each wood screw hook.

3. Attach the chain onto the mounting hangers (Fig. 2 - 3). The four mounting brackets can also be used for mounting the unit onto the ceiling or wall.

4. Make sure the unit is horizontally level, and is at least 7 feet above the floor. If it is not, remove the unit and adjust the length of the chain as needed. Then remount the unit.

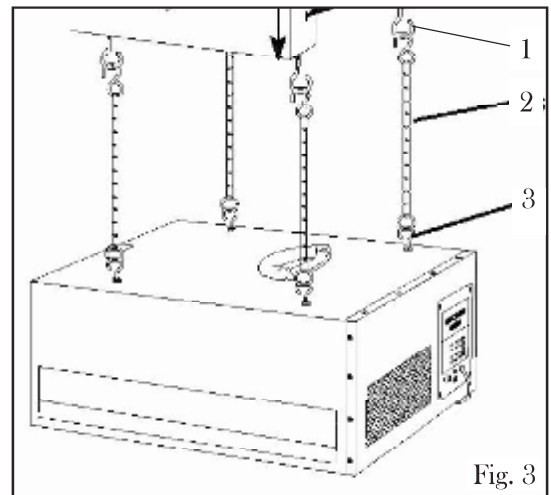


Fig. 3

OPERATION

TURNING ON/OFF AND SETTING THE SPEED (Fig. 4 & 5)

The air filtration system can be operated using the control panel or with the remote control.

1. Plug the power cord into an appropriate power source.
2. Press the ON/SPEED button on the control panel (Fig. 4 - 1) or the remote control (Fig. 5 - 1) to power on the air filtration system. The air filtration system will start running at low speed. The “LO” LED will light up on the panel, indicating that the unit is operating at low speed.
3. The ON/SPEED button also controls the three different settings of the unit. Press the button to change the speed. The LED lights (Fig. 4 - 3) on the control panel will light up to indicate the selected speed - low speed (LO), medium speed (MID) or high speed (HI).
4. Press the OFF button on the control panel (Fig. 4 - 2) or the remote control (Fig. 5 - 2) to turn off the unit.

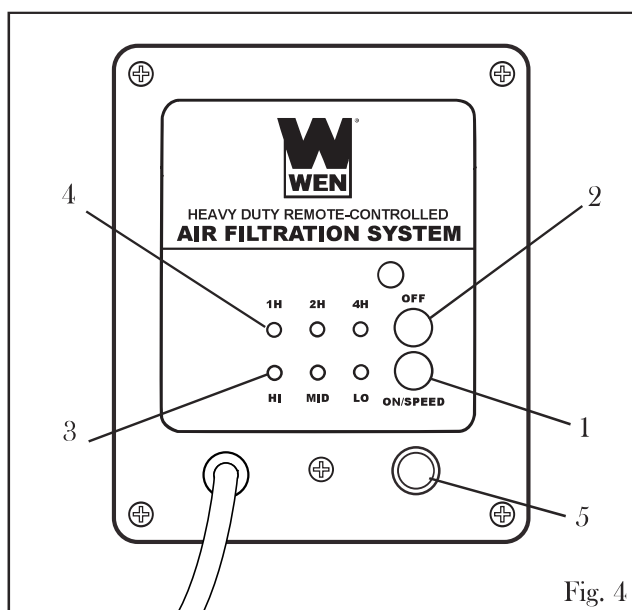
SETTING THE TIMER (Fig. 4 & 5)

The timer function allows you to set the length of time (1, 2 or 4 hours) that the air filtration system will operate before shutting itself off automatically. The timer can only be set using the remote control.

1. Press the TIMER button (Fig. 5 - 4) on the remote control to start the timer. The cycle is 1 hour, 2 hours, 4 hours and clear the timer.
2. The LED lights (Fig. 4 - 4) on the control panel will indicate the amount of time selected. The unit will shut off automatically after the selected time interval elapses. When you clear the timer (no timer lights are showing), the air filtration system will keep running until it is turned off manually by pressing the OFF button.

OVERLOAD PROTECTOR

The overload protector (4-Amp) shuts down the motor when it is overloaded. When this happens, let the motor cool down for a few minutes and press the overload protector button (Fig. 4 - 5) to reset. Dirty filters may cause the unit to overload. Check the filters regularly and replace as necessary (see page 9 “Changing the Filters”).



MAINTENANCE



WARNING: To reduce the risk of injury and electric shock, unplug the air filtration system from the power source before changing the air filters or servicing the unit.

CHANGING THE FILTERS (Fig. 6 & 7)

Check the inner and outer filters periodically depending on the amount of use and the environment of the shop. Change the filters when needed. Clogged filters will reduce the amount of air circulating through the filter and possibly overload the unit.

Replacement filters for this unit are available in two packs at wenproducts.com and all online retailers where this unit is sold (5-Micron Outer Air Filter - Model 3415AF5, 1-Micron Inner Air Filter - Model 3415AF1).

1. Lift up the upper and lower filter lock clips (Fig. 6 - 1 and Fig. 7 - 1) on the back of the air filter cabinet. Remove the outer filter (Fig. 6 - 2) from the cabinet housing.

2. Carefully pull the inner filter (Fig. 7 - 2) out of the cabinet.

3. Install a new inner filter (Model 3415AF1) into the cabinet and install a new outer filter (Model 3415AF5) on the back of the machine in the configuration as shown in Fig. 8.

4. Close the upper and lower lock clips to secure the outer filter in place.

REPLACING THE REMOTE BATTERIES

1. Open the remote control battery compartment.

2. Replace the used batteries with 2 new AAA batteries.

3. Close the battery compartment.

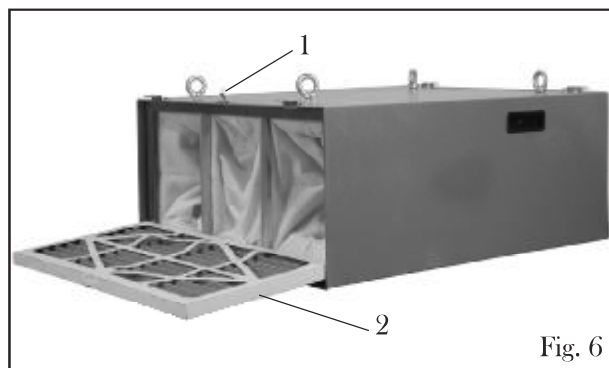


Fig. 6

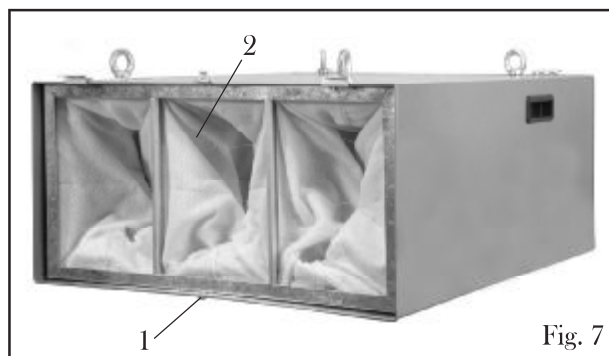


Fig. 7

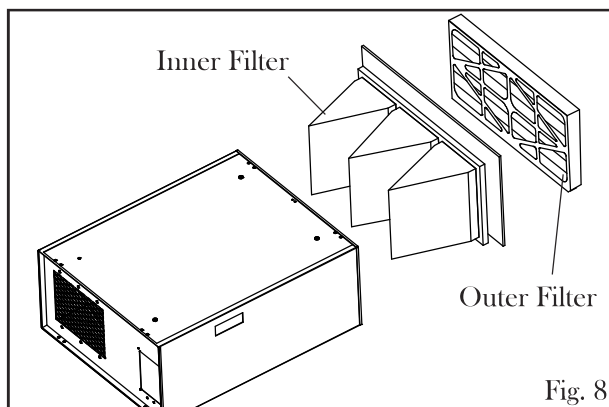
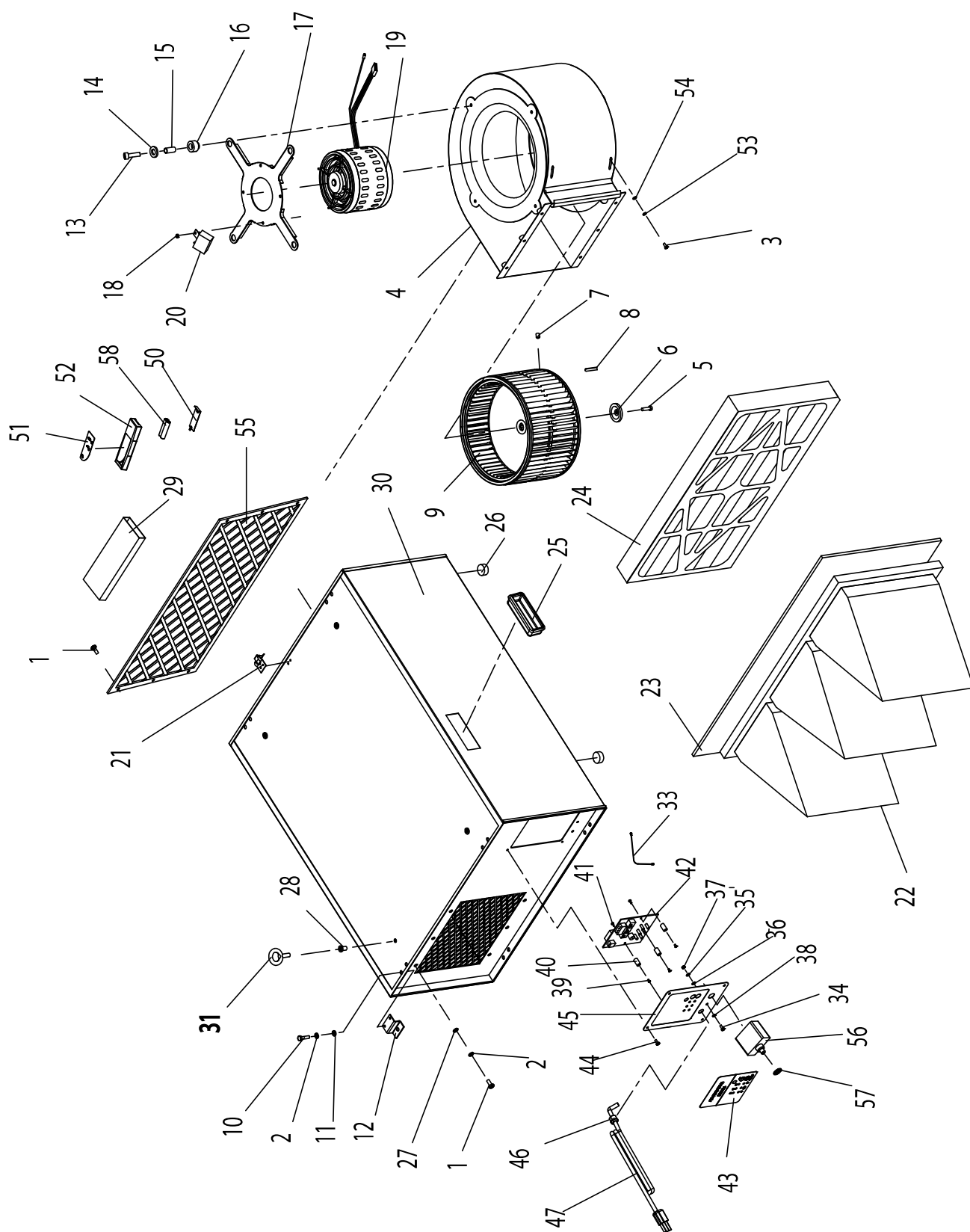


Fig. 8

EXPLODED VIEW & PARTS LIST



EXPLODED VIEW & PARTS LIST

No.	Part No.	Description	Qty.
1	3415-001	Phillip's Head Screw M6-1X16	12
2	3415-002	Lock Washer 6mm	14
3	3415-003	Phillip's Head Screw M4-0.7X2	2
4	3415-004	Fan Housing	1
5	3415-005	Cap Screw M6-1X20(LH)	1
6	3415-006	Flange Disk 6.5X44mm	1
7	3415-007	Hex Bolt M8-1.25X8	1
8	3415-008	Key 4X4X20mm	1
9	3415-009	Fan	1
10	3415-010	Hex Bolt M6-1X10	8
11	3415-011	Flat Washer 6mm	8
12	3415-012	Flange Bracket	4
13	3415-013	Hex Bolt M6-1X30	4
14	3415-014	Flat Washer 6mm	5
15	3415-015	Sleeve	4
16	3415-016	Spacer	4
17	3415-017	Flange	1
18	3415-018	Lock Nut M5-0.8	4
19	3415-019	Motor	1
20	3415-020	Capacitor 6MFD 450Vac	1
21	3415-021	Filter Retaining Latch	2
22	3415AF1	Inner Filter 1-Micron	1
23	3415-023	Foam Seal 1/4"X1"X70"	1
24	3415AF5	Outer Filter 5-Micron	1
25	3415-025	Handle	2
26	3415-026	Rubber Foot	4
27	3415-027	Flat Washer 6mm	6
28	3415-028	Rivet Nut M10X21	4

No.	Part No.	Description	Qty.
29	3415-029	Mount And Bolt Bag	1
30	3415-030	Housing	1
31	3415-031	Eye Bolt M10X20	4
33	3415-033	PC Wiring Harness	1
34	3415-034	Phillip's Head Screw M4-0.7X16	3
35	3415-035	Lock Washer 4mm	5
36	3415-036	Flat Washer 4mm	5
37	3415-037	Hex Nut M4-0.7	5
38	3415-038	Ext Tooth Washer 4mm	5
39	3415-039	Phillip's Head Screw (Special)	3
40	3415-040	Spacer (Special)	1
41	3415-041	Phillip's Head Screw M3-0.5X6	3
42	3415-042	PC Board	1
43	3415-043	Label (Controls)	1
44	3415-044	Phillip's Head Screw M4-0.7X10	4
45	3415-045	Control Panel	1
46	3415-046	Strain Relief	1
47	3415-047	Power Cord 3-Wire 18-Ga	1
50	3415-050	Remote Control Assembly	1
51			
52			
53	3415-053	Flat Washer 4mm	2
54	3415-054	Lock Washer 4mm	2
55	3415-055	Protection Net	1
56	3415-056	Overload Protector 4A	1
57	3415-057	Washer	1
58	3415-058	AAA Battery	2

LIMITED TWO YEAR WARRANTY

WEN Products is committed to building tools that are dependable for years. Our warranties are consistent with this commitment and our dedication to quality.

LIMITED WARRANTY OF WEN CONSUMER POWER TOOLS PRODUCTS FOR HOME USE

GREAT LAKES TECHNOLOGIES, LLC ("Seller") warrants to the original purchaser only, that all WEN consumer power tools will be free from defects in material or workmanship for a period of two (2) years from date of purchase. Ninety days for all WEN products if the tool is used for professional or commercial use.

SELLER'S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY under this Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or misrepaired by persons other than Seller or Authorized Service Center. To make a claim under this Limited Warranty, you must make sure to keep a copy of your proof of purchase that clearly defines the Date of Purchase (month and year) and the Place of Purchase. Place of purchase must be a direct vendor of Great Lakes Technologies, LLC. Third party vendors such as garage sales, pawn shops, resale shops, or any other secondhand merchant void the warranty included with this product. Contact techsupport@wenproducts.com or 1-800-232-1195 to make arrangements for repairs and transportation.

When returning a product for warranty service, the shipping charges must be prepaid by the purchaser. The product must be shipped in its original container (or an equivalent), properly packed to withstand the hazards of shipment. The product must be fully insured with a copy of the warranty card and/or the proof of purchase enclosed. There must also be a description of the problem in order to help our repairs department diagnose and fix the issue. Repairs will be made and the product will be returned and shipped back to the purchaser at no charge.

THIS LIMITED WARRANTY DOES NOT APPLY TO ACCESSORY ITEMS THAT WEAR OUT FROM REGULAR USAGE OVER TIME INCLUDING BELTS, BRUSHES, BLADES, ETC. ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO TWO (2) YEARS FROM DATE OF PURCHASE. SOME STATES IN THE U.S., SOME CANADIAN PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LIABILITY FOR LOSS OF PROFITS) ARISING FROM THE SALE OR USE OF THIS PRODUCT. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE IN THE U.S., PROVINCE TO PROVINCE IN CANADA AND FROM COUNTRY TO COUNTRY.

THIS LIMITED WARRANTY APPLIES ONLY TO PORTABLE ELECTRIC TOOLS, BENCH POWER TOOLS, OUTDOOR POWER EQUIPMENT AND PNEUMATIC TOOLS SOLD WITHIN THE UNITED STATES OF AMERICA, CANADA AND THE COMMONWEALTH OF PUERTO RICO. FOR WARRANTY COVERAGE WITHIN OTHER COUNTRIES, CONTACT THE WEN CUSTOMER SUPPORT LINE.

Warning: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.