



MODEL W1844
WALL-MOUNT DUST COLLECTOR
w/CANISTER FILTER



OWNER'S MANUAL
(FOR MODELS MANUFACTURED SINCE 5/17)

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WARNING!

This manual provides critical safety instructions on the proper setup, operation, maintenance, and service of this machine/tool. Save this document, refer to it often, and use it to instruct other operators.

Failure to read, understand and follow the instructions in this manual may result in fire or serious personal injury—including amputation, electrocution, or death.

The owner of this machine/tool is solely responsible for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training and usage authorization, proper inspection and maintenance, manual availability and comprehension, application of safety devices, cutting/sanding/grinding tool integrity, and the usage of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.



WARNING!

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement and other masonry products.
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Contents

INTRODUCTION	2	OPERATIONS	20
Woodstock Technical Support	2	General	20
Machine Specifications	3	Machine Storage.....	20
SAFETY	6	ACCESSORIES	21
Standard Machinery Safety Instructions	6	MAINTENANCE	22
Additional Safety for Dust Collectors	8	General	22
ELECTRICAL	9	Cleaning & Protecting	22
Circuit Requirements	9	Cleaning Canister Filter	23
Grounding Requirements.....	10	Replacing Bags	23
Extension Cords	10	SERVICE	24
Converting Voltage to 240V	11	General	24
SETUP	12	Tightening Impeller	24
Unpacking	12	Troubleshooting.....	25
Items Needed for Setup.....	12	Electrical Safety Instructions.....	27
Unpacking	13	Wiring Diagram	28
Inventory	13	PARTS	29
Hardware Recognition Chart	14	Main	29
Machine Placement	15	WARRANTY	33
Assembly.....	16		
Dust Collection System	17		
Test Run.....	19		



INTRODUCTION

Woodstock Technical Support

This machine has been specially designed to provide many years of trouble-free service. Close attention to detail, ruggedly built parts and a rigid quality control program assure safe and reliable operation.

Woodstock International, Inc. is committed to customer satisfaction. Our intent with this manual is to include the basic information for safety, setup, operation, maintenance, and service of this product.

We stand behind our machines! In the event that questions arise about your machine, please contact Woodstock International Technical Support at (360) 734-3482 or send e-mail to: tech-support@shopfox.biz. Our knowledgeable staff will help you troubleshoot problems and process warranty claims.

If you need the latest edition of this manual, you can download it from <http://www.shopfox.biz>.
If you have comments about this manual, please contact us at:

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MACHINE SPECIFICATIONS



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MODEL W1844 WALL-MOUNT DUST COLLECTOR WITH CANISTER FILTER

Product Dimensions

Weight..... 62 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 19-1/2 x 22 x 46 in.
 Footprint (Length x Width)..... 14 x 14 in.

Shipping Dimensions

Carton #1

Type..... Cardboard Box
 Content..... Machine
 Weight..... 50 lbs.
 Length x Width x Height..... 20 x 22 x 19 in.

Carton #2

Type..... Cardboard Box
 Content..... Canister Filter
 Weight..... 14 lbs.
 Length x Width x Height..... 16 x 16 x 20 in.

Electrical

Power Requirement..... 120V or 240V, Single-Phase, 60 Hz
 Prewired Voltage..... 120V
 Full-Load Current Rating..... 7A at 120V, 3.5A at 240V
 Minimum Circuit Size..... 15A at 120V, 15A at 240V
 Connection Type..... Cord & Plug
 Power Cord Included..... Yes
 Power Cord Length..... 6 ft.
 Power Cord Gauge..... 16 AWG
 Plug Included..... Yes
 Included Plug Type..... 5-15 for 120V
 Recommended Plug Type..... 6-15 for 240V
 Switch Type..... Paddle Safety Switch w/Removable Key

Motors

Main

Horsepower..... 1 HP
 Phase..... Single-Phase
 Amps..... 7A/3.5A
 Speed..... 3450 RPM
 Type..... TEFC Capacitor-Start Induction
 Power Transfer Direct
 Bearings..... Sealed & Permanently Lubricated



Main Specifications

Operation

Dust Collector Type.....	Single-Stage
Approved Dust Types.....	Wood
Filter Type.....	Canister Filter
Airflow Performance.....	537 CFM
Max Static Pressure (at 0 CFM).....	7.2 in.
Main Inlet Size.....	4 in.
Inlet Adapter Included.....	No
Machine Collection Capacity At One Time.....	1
Maximum Material Collection Capacity.....	1.5 cu. ft.
Filtration Rating.....	1 Micron

Bag Information

Number of Upper Bags.....	1
Upper Bag Diameter.....	14-1/2 in.
Upper Bag Length.....	12 in.

Canister Information

Number of Canister Filters.....	1
Canister Filter Diameter.....	15 in.
Canister Filter Length.....	16-3/16 in.

Impeller Information

Impeller Type.....	Radial Fin
Impeller Size.....	10 in.
Impeller Blade Thickness.....	3/32 in.

Construction

Upper Bag.....	Fabric
Base.....	Steel Sheet Metal
Impeller.....	Balanced Cast Aluminum
Paint Type/Finish.....	Powder Coated
Blower Housing.....	Steel Sheet Metal
Body.....	Steel Sheet Metal

Other

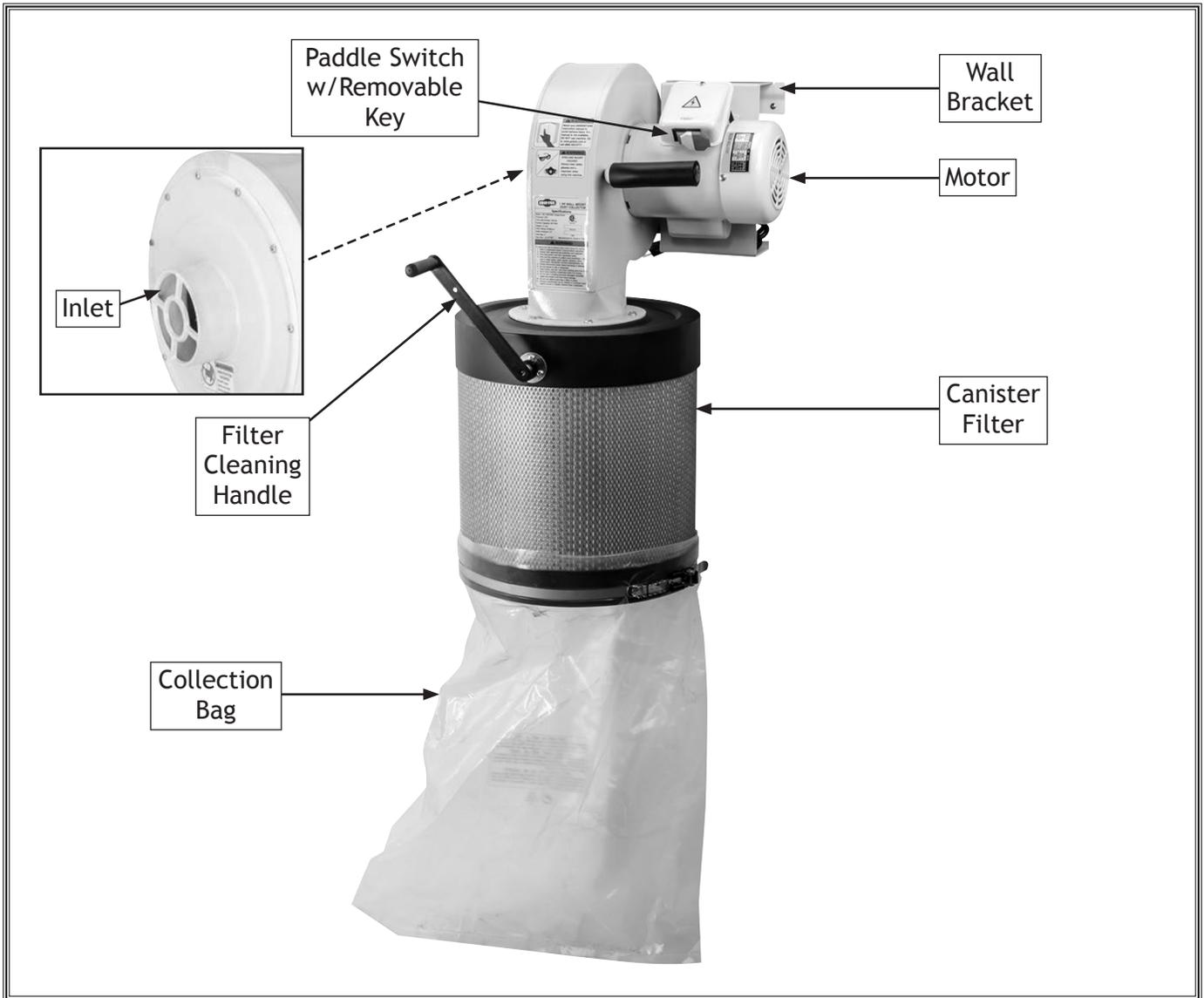
Country of Origin	Taiwan
Warranty	2 Years
Approximate Assembly & Setup Time	1 Hour
Serial Number Location	ID Label on Blower Housing
ISO 9001 Factory	Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features

- 1-Micron Canister Filtration
- 10" Cast Aluminum Impeller
- Steel Base Plate Mounts Easily to Most Walls
- White Powder-Coated Finish
- Ideal Point-Of-Use Dust Collector

Identification

Become familiar with the names and locations of the controls and features shown below to better understand the instructions in this manual.



WARNING



To reduce your risk of serious injury or damage to the machine, read this entire manual **BEFORE** using machine.

SAFETY

For Your Own Safety, Read Manual Before Operating Machine

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures—this responsibility is ultimately up to the operator!



Indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury.

NOTICE

This symbol is used to alert the user to useful information about proper operation of the equipment or a situation that may cause damage to the machinery.

Standard Machinery Safety Instructions

OWNER'S MANUAL. Read and understand this owner's manual **BEFORE** using machine.

TRAINED OPERATORS ONLY. Untrained operators have a higher risk of being hurt or killed. Only allow trained/supervised people to use this machine. When machine is not being used, disconnect power, remove switch keys, or lock-out machine to prevent unauthorized use—especially around children. Make workshop kid proof!

DANGEROUS ENVIRONMENTS. Do not use machinery in areas that are wet, cluttered, or have poor lighting. Operating machinery in these areas greatly increases the risk of accidents and injury.

MENTAL ALERTNESS REQUIRED. Full mental alertness is required for safe operation of machinery. Never operate under the influence of drugs or alcohol, when tired, or when distracted.

ELECTRICAL EQUIPMENT INJURY RISKS. You can be shocked, burned, or killed by touching live electrical components or improperly grounded machinery. To reduce this risk, only allow an electrician or qualified service personnel to do electrical installation or repair work, and always disconnect power before accessing or exposing electrical equipment.

DISCONNECT POWER FIRST. Always disconnect machine from power supply **BEFORE** making adjustments, changing tooling, or servicing machine. This eliminates the risk of injury from unintended startup or contact with live electrical components.

EYE PROTECTION. Always wear ANSI-approved safety glasses or a face shield when operating or observing machinery to reduce the risk of eye injury or blindness from flying particles. Everyday eyeglasses are not approved safety glasses.

WEARING PROPER APPAREL. Do not wear clothing, apparel, or jewelry that can become entangled in moving parts. Always tie back or cover long hair. Wear non-slip footwear to avoid accidental slips, which could cause loss of workpiece control.

HAZARDOUS DUST. Dust created while using machinery may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each workpiece material, and always wear a NIOSH-approved respirator to reduce your risk.

HEARING PROTECTION. Always wear hearing protection when operating or observing loud machinery. Extended exposure to this noise without hearing protection can cause permanent hearing loss.

REMOVE ADJUSTING TOOLS. Tools left on machinery can become dangerous projectiles upon startup. Never leave chuck keys, wrenches, or any other tools on machine. Always verify removal before starting!

INTENDED USAGE. Only use machine for its intended purpose—never make modifications without prior approval from Woodstock International. Modifying machine or using it differently than intended will void the warranty and may result in malfunction or mechanical failure that leads to serious personal injury or death!

AWKWARD POSITIONS. Keep proper footing and balance at all times when operating machine. Do not overreach! Avoid awkward hand positions that make workpiece control difficult or increase the risk of accidental injury.

CHILDREN & BYSTANDERS. Keep children and bystanders at a safe distance from the work area. Stop using machine if they become a distraction.

GUARDS & COVERS. Guards and covers reduce accidental contact with moving parts or flying debris—make sure they are properly installed, undamaged, and working correctly.

FORCING MACHINERY. Do not force machine. It will do the job safer and better at the rate for which it was designed.

NEVER STAND ON MACHINE. Serious injury may occur if machine is tipped or if the cutting tool is unintentionally contacted.

STABLE MACHINE. Unexpected movement during operation greatly increases risk of injury or loss of control. Before starting, verify machine is stable and mobile base (if used) is locked.

USE RECOMMENDED ACCESSORIES. Consult this owner's manual or the manufacturer for recommended accessories. Using improper accessories will increase risk of serious injury.

UNATTENDED OPERATION. To reduce the risk of accidental injury, turn machine **OFF** and ensure all moving parts completely stop before walking away. Never leave machine running while unattended.

MAINTAIN WITH CARE. Follow all maintenance instructions and lubrication schedules to keep machine in good working condition. A machine that is improperly maintained could malfunction, leading to serious personal injury or death.

CHECK DAMAGED PARTS. Regularly inspect machine for any condition that may affect safe operation. Immediately repair or replace damaged or mis-adjusted parts before operating machine.

MAINTAIN POWER CORDS. When disconnecting cord-connected machines from power, grab and pull the plug—NOT the cord. Pulling the cord may damage the wires inside, resulting in a short. Do not handle cord/plug with wet hands. Avoid cord damage by keeping it away from heated surfaces, high traffic areas, harsh chemicals, and wet/damp locations.

EXPERIENCING DIFFICULTIES. If at any time you experience difficulties performing the intended operation, stop using the machine! Contact Technical Support at (360) 734-3482.

Additional Safety for Dust Collectors

INTENDED USE. This dust collector is only intended for collecting wood dust and chips from woodworking machines. **DO NOT** use this dust collector to collect metal, dirt, pebbles, drywall, asbestos, lead paint, silica, liquids, aerosols, or any flammable, combustible, or hazardous materials.

OPERATING LOCATION. To reduce respiratory exposure to fine dust, locate permanently installed dust collectors away from the working area, or in another room that is equipped with a smoke detector. **DO NOT** operate the dust collector in rainy or wet locations—exposure to water may create a shock hazard and decrease machine life.

DISCONNECTING POWER SUPPLY. Turn the switch **OFF**, disconnect the dust collector from the power supply, and allow the impeller to completely stop before leaving the machine unattended or doing any service, cleaning, maintenance, or adjustments.

IMPELLER HAZARDS. **DO NOT** place your hair, loose clothing, hands, or tools near the open inlet during operation for any reason. Only operate machine with ducting attached to inlet. The powerful suction could easily cause accidental contact with the impeller, which will cause serious personal injury or damage to the machine. Always keep small animals and children away from open dust-collection inlets.

HAZARDOUS DUST—WEAR RESPIRATOR. Fine dust that is too small to be caught in the filter will be blown into the ambient air during operation. Always wear a NIOSH-approved respirator during operation and for a short time after to reduce your risk of permanent respiratory damage.

DUST ALLERGIES. Dust from certain woods may cause an allergic reaction in people and animals. Make sure you know what type of wood dust you will be exposed to in case there is a possibility of an allergic reaction.

EMPTYING DUST. When emptying dust from the collection container, wear a respirator and safety glasses. Empty dust away from ignition sources and into an approved container.

FIRE SUPPRESSION. Only operate the dust collector in locations that contain a fire suppression system or have a fire extinguisher nearby.

SUSPENDED PARTICULATE & IGNITION SOURCES. **DO NOT** operate the dust collector in areas where explosion risks are high. Areas of high risk include, but are not limited to, areas near pilot lights, open flames, or other ignition sources.

AVOIDING SPARKS. **DO NOT** allow steel or rocks to strike the impeller—this may produce sparks. Sparks can smolder in wood dust for a long time before a fire is detected. If you accidentally cut into wood containing tramp metal (nails, staples, spikes, etc.), immediately turn **OFF** the dust collector, disconnect it from power, and wait for the impeller to stop—then empty the collection container into an approved airtight metal container.

STATIC ELECTRICITY. High amounts of static electricity are generated when plastic ducting is used for dust-collection lines. Although rare, sparks caused by static electricity can cause explosions or fire. To reduce this risk, thoroughly ground all plastic ducting used in the dust-collection system.

REGULAR CLEANING. Regularly check/empty the collection bags or drum to avoid buildup of fine dust that can increase the risk of fire. Make sure to regularly clean the surrounding area where the machine is operated—excessive dust buildup on overhead lights, heaters, electrical panels, or other heat sources will increase the risk of fire.

ELECTRICAL

Circuit Requirements

This machine must be connected to the correct size and type of power supply circuit, or fire or electrical damage may occur. Read through this section to determine if an adequate power supply circuit is available. If a correct circuit is not available, a qualified electrician **MUST** install one before you can connect the machine to power.

A power supply circuit includes all electrical equipment between the breaker box or fuse panel in the building and the machine. The power supply circuit used for this machine must be sized to safely handle the full-load current drawn from the machine for an extended period of time. (If this machine is connected to a circuit protected by fuses, use a time delay fuse marked D.)

Full-Load Current Rating

The full-load current rating is the amperage a machine draws at 100% of the rated output power. On machines with multiple motors, this is the amperage drawn by the largest motor or sum of all motors and electrical devices that might operate at one time during normal operations.

Full-Load Current Rating at 120V 7 Amps
Full-Load Current Rating at 240V 3.5 Amps

Circuit Requirements for 120V (Prewired)

This machine can be converted to operate on a power supply circuit that has a verified ground and meets the requirements listed below. (Refer to **Voltage Conversion** instructions for details.)

Circuit Type 110V/120V, 60 Hz, Single-Phase
Circuit Size 15 Amps
Plug/Receptacle NEMA 5-15

Circuit Requirements for 240V

This machine is prewired to operate on a power supply circuit that has a verified ground and meets the following requirements:

Circuit Type 220V/240V, 60 Hz, Single-Phase
Circuit Size 15 Amps
Plug/Receptacle NEMA 6-15

⚠ WARNING

The machine must be properly set up before it is safe to operate. **DO NOT** connect this machine to the power source until instructed to do so later in this manual.

⚠ WARNING



Incorrectly wiring or grounding this machine can cause electrocution, fire, or machine damage. To reduce this risk, only an electrician or qualified service personnel should do any required electrical work on this machine.

NOTICE

The circuit requirements listed in this manual apply to a dedicated circuit—where only one machine will be running at a time. If this machine will be connected to a shared circuit where multiple machines will be running at the same time, consult with an electrician to ensure that the circuit is properly sized for safe operation.

ELECTRICAL

Grounding Requirements

This machine **MUST** be grounded. In the event of certain types of malfunctions or breakdowns, grounding provides a path of least resistance for electric current to travel—in order to reduce the risk of electric shock.

Improper connection of the equipment-grounding wire will increase the risk of electric shock. The wire with green insulation (with/without yellow stripes) is the equipment-grounding wire. If repair or replacement of the power cord or plug is necessary, do not connect the equipment-grounding wire to a live (current carrying) terminal.

Check with a qualified electrician or service personnel if you do not understand these grounding requirements, or if you are in doubt about whether the tool is properly grounded. If you ever notice that a cord or plug is damaged or worn, disconnect it from power, and immediately replace it with a new one.

For 120V Connection (Prewired)

This machine is equipped with a power cord with an equipment-grounding wire and NEMA 5-15 grounding plug (see figure). The plug must only be inserted into a matching receptacle that is properly installed and grounded in accordance with local codes and ordinances.

For 240V Connection (Must be Rewired)

This machine is equipped with a power cord that has an equipment-grounding wire and NEMA 6-15 grounding plug (see figure). The plug must only be inserted into a matching receptacle that is properly installed and grounded in accordance with local codes and ordinances.

Extension Cords

We do not recommend using an extension cord with this machine. Extension cords cause voltage drop, which may damage electrical components and shorten motor life. Voltage drop increases with longer extension cords and smaller gauge sizes (higher gauge numbers indicate smaller sizes).

Any extension cord used with this machine must contain a ground wire, match the required plug and receptacle, and meet the following requirements:

- Minimum Gauge Size at 220V 14 AWG
- Maximum Length (Shorter is Better) 50 ft.

⚠ WARNING

The machine must be properly set up before it is safe to operate. **DO NOT** connect this machine to the power source until instructed to do so later in this manual.

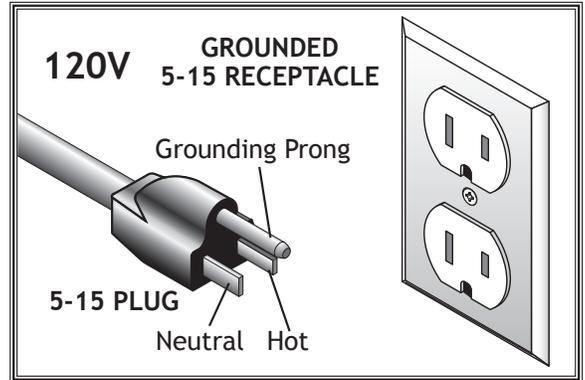


Figure 1. NEMA 5-15 plug & receptacle.

⚠ CAUTION

No adapter should be used with the required plug. If the plug does not fit the available receptacle or the machine must be reconnected to a different type of circuit, the reconnection must be made by an electrician or qualified service personnel and it must comply with all local codes and ordinances.

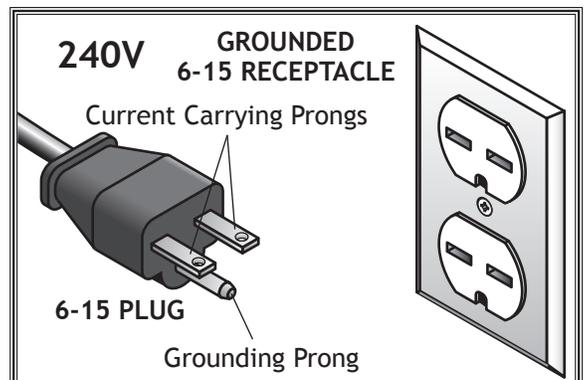


Figure 2. NEMA 6-15 plug & receptacle.

SETUP

Converting Voltage to 240V

The voltage conversion MUST be performed by an electrician or qualified service personnel.

The voltage conversion procedure consists of rewiring the motor and installing the correct plug. A wiring diagram is provided on **Page 28** for your reference.

IMPORTANT: *If the diagram included on the motor conflicts with the one on **Page 28**, the motor may have changed since the manual was printed. Use the diagram included on the motor instead.*

Items Needed	Qty
• Phillips Head Screwdriver #2	1
• Electrical Tape	As Needed
• Wire Nut (14 AWG x 3).....	1
• 6-15 Plug.....	1

To convert the Model W1844 to 240V, do these steps:

1. DISCONNECT MACHINE FROM POWER!
2. Remove 5-15 plug from power cord.
3. Open motor junction box, then loosen wire nuts indicated in **Figure 3**.
4. Use wire nuts to connect wires as indicated in **Figure 4**. Twist all three wire nuts onto their respective wires and wrap them with electrical tape so they will not come loose.
5. Close and secure motor junction box.
6. Install 6-15 plug according to manufacturer's instructions.

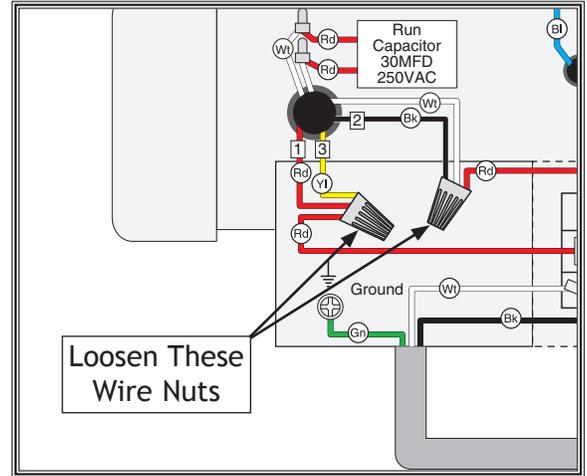


Figure 3. Location of wire nuts to be loosened on Model W1844 when converting to 240V.

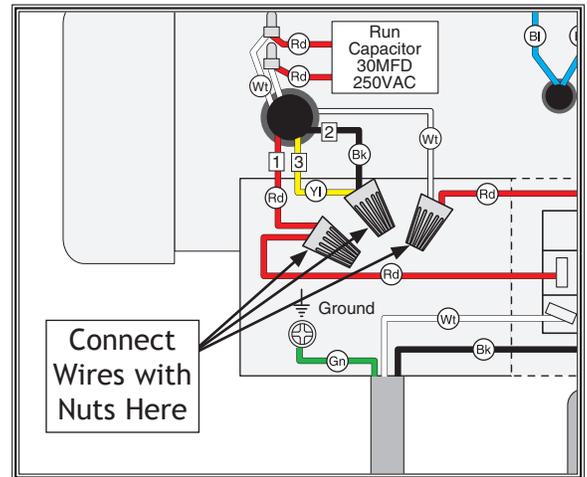


Figure 4. Model W1844 rewired to 240V.

ELECTRICAL

SETUP

Unpacking

This machine has been carefully packaged for safe transportation. If you notice the machine has been damaged during shipping, please contact your authorized Shop Fox dealer immediately.

Items Needed for Setup

The following items are needed, but not included, to set up your machine.

Description	Qty
• Safety Glasses for Each Person.....	1
• Mounting fasteners.....	As Needed
• Tape Measure.....	1
• Drill w/Bits.....	As Needed



⚠ WARNING

This machine presents serious injury hazards to untrained users. Read through this entire manual to become familiar with the controls and operations before starting the machine!



⚠ WARNING

Wear safety glasses during entire setup process!



⚠ WARNING

USE helpers or power lifting equipment to lift this machine. Otherwise, serious personal injury may occur.



⚠ WARNING

SUFFOCATION HAZARD!
Immediately discard all plastic bags and packing materials to eliminate choking/suffocation hazards for children and animals.

SETUP

Unpacking

This machine has been carefully packaged for safe transportation. If you notice the machine has been damaged during shipping, please contact your authorized Shop Fox dealer immediately.

Inventory

The following is a list of items shipped with your machine. Before beginning setup, lay these items out and inventory them.

Note: If you cannot find an item on this list, carefully check around/inside the machine and packaging materials. Often, these items get lost in packaging materials while unpacking or they are pre-installed at the factory.

Box 1 Contents (Figure 5)	Qty
A. Wall Bracket.....	1
B. Filter Cleaning Handle.....	1
C. Motor Mounting Plate	1
D. Open-End Wrench 10 x 12mm	1
E. Bag Clamp	1
F. Impeller Housing & Fan/Motor Assembly	1

Box 2 Contents (Figure 6)	Qty
G. Canister Filter.....	1
H. Foam Strip 2 x 16 x 1250mm	1

Hardware and Bags (Not Shown)

- Flange Bolts 1/4-20 x 1/2"4
- Flange Bolts 1/4-20 x 3/4"6
- Dust Collection Bag

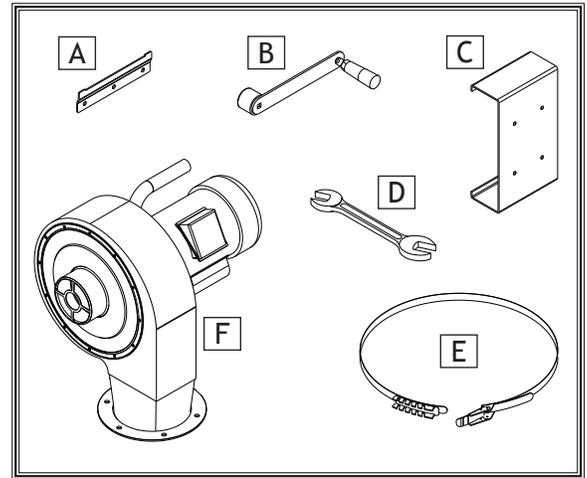


Figure 5. Box 1 contents.

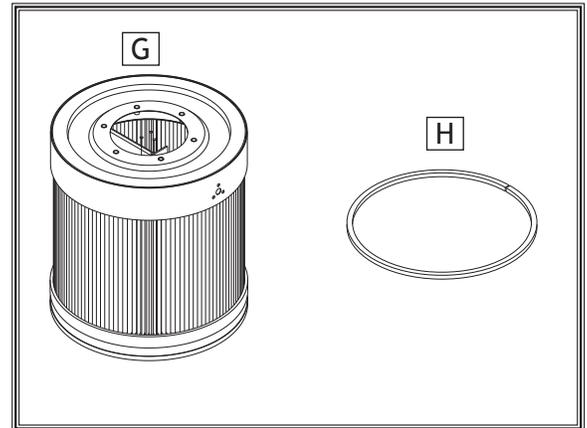


Figure 6. Box 2 contents.

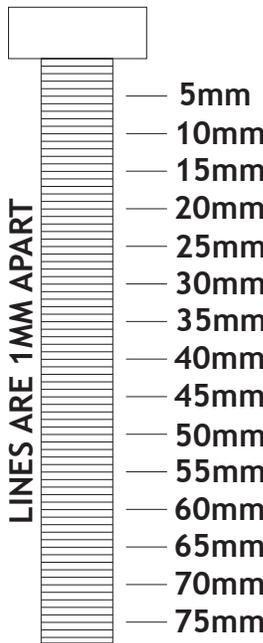
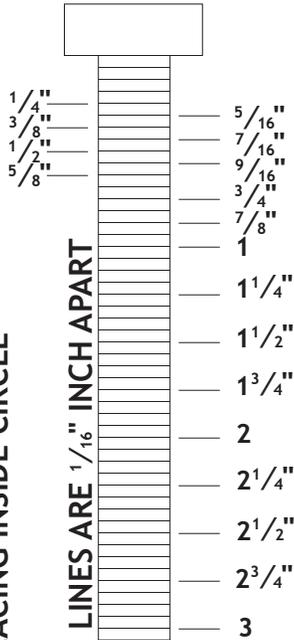
SETUP

Hardware Recognition Chart

USE THIS CHART TO IDENTIFY HARDWARE DURING THE INVENTORY/ASSEMBLY PROCESS.

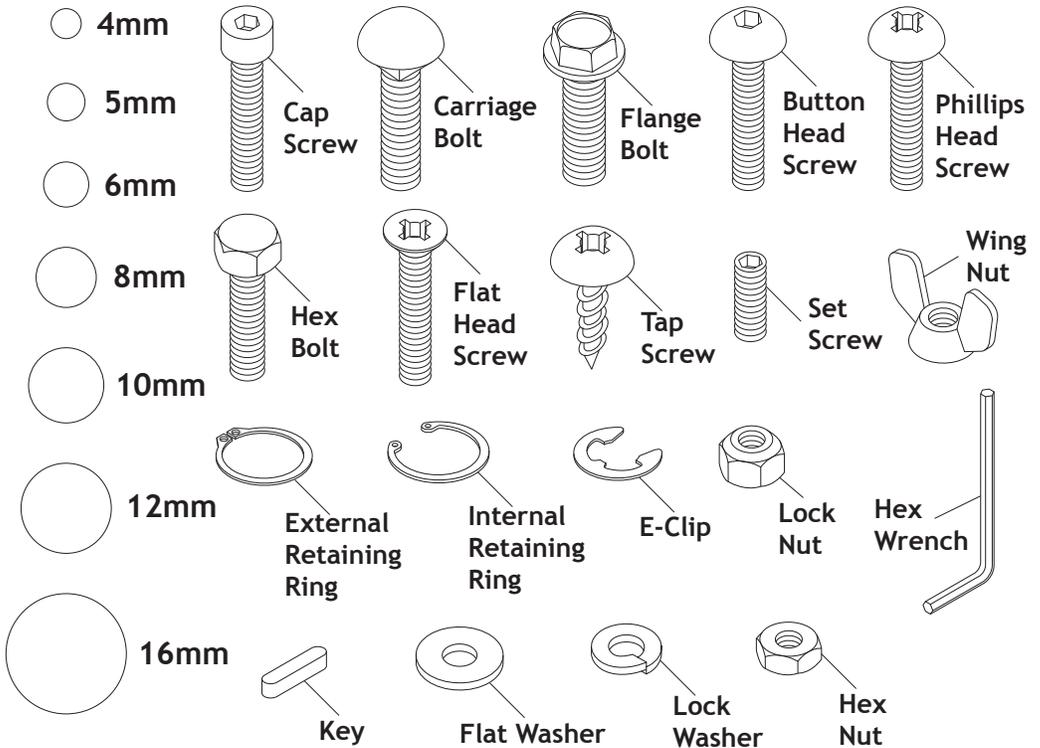
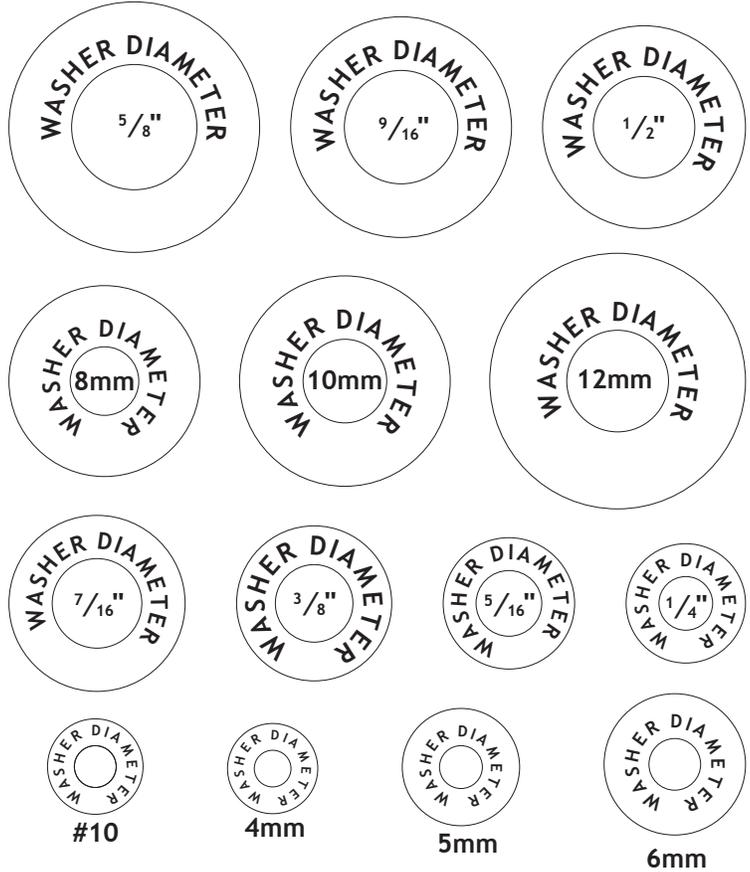
SETUP

MEASURE BOLT DIAMETER BY PLACING INSIDE CIRCLE
LINES ARE 1/16" INCH APART



- #10
- 1/4"
- 5/16"
- 3/8"
- 7/16"
- 1/2"

WASHERS ARE MEASURED BY THE INSIDE DIAMETER



Machine Placement

Weight Load

Refer to the **Machine Specifications** for the weight of your machine. Make sure that the surface upon which the machine is placed will bear the weight of the machine, additional equipment that may be installed on the machine, and the heaviest workpiece that will be used. Additionally, consider the weight of the operator and any dynamic loading that may occur when operating the machine.

Space Allocation

Consider the largest size of workpiece that will be processed through this machine and provide enough space around the machine for adequate operator material handling or the installation of auxiliary equipment. With permanent installations, leave enough space around the machine to open or remove doors/covers as required by the maintenance and service described in this manual. **See below for required space allocation.**

Physical Environment

The physical environment where your machine is operated is important for safe operation and the longevity of its components. For best results, operate this machine in a dry environment that is free from excessive moisture, hazardous chemicals, airborne abrasives, or extreme conditions. Extreme conditions for this type of machinery are generally those where the ambient temperature range exceeds 41°-104°F; the relative humidity range exceeds 20-95% (non-condensing); or the environment is subject to vibration, shocks, or bumps.

Electrical Installation

Place this machine near an existing power source. Make sure all power cords are protected from traffic, material handling, moisture, chemicals, or other hazards. Make sure to leave access to a means of disconnecting the power source or engaging a lockout/tagout device.

Lighting

Lighting around the machine must be adequate enough that operations can be performed safely. Shadows, glare, or strobe effects that may distract or impede the operator must be eliminated.

	<h3>CAUTION</h3> <p>Children or untrained people may be seriously injured by this machine. Only install in an access restricted location.</p>
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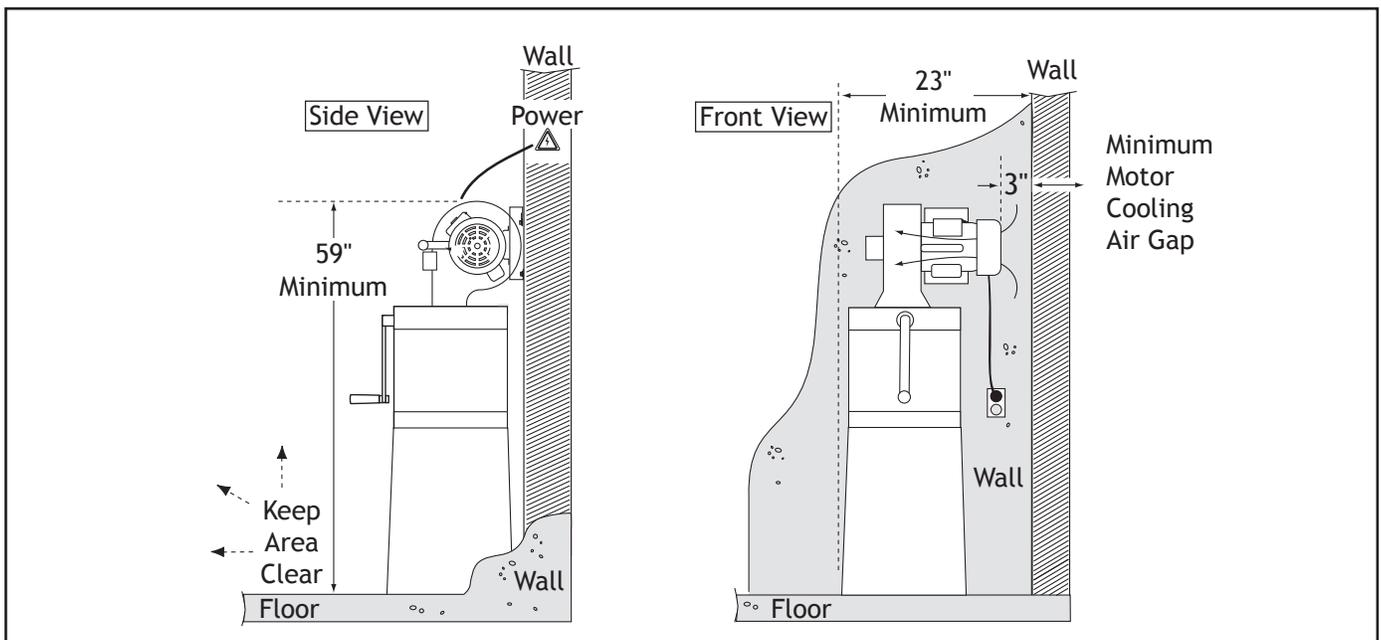


Figure 7. Minimum working clearances.

Assembly

Before beginning the assembly process, refer to **Items Needed for Setup** and gather everything you need. Ensure all parts have been properly cleaned of any heavy-duty rust-preventative applied at the factory (if applicable). Be sure to complete all steps in the assembly procedure prior to performing the **Test Run**.

For adequate motor cooling, the motor fan intake must not be restricted by a wall or cabinet.

To assemble and mount dust collector, do these steps:

1. Fasten motor mounting plate to motor base with (4) 1/4-20 x 1/2" flange bolts (see **Figure 8**).
2. Use wall bracket as a template to mark mounting hole locations. Bottom of bracket should be a minimum of 56" from floor and at least 4 1/2" away from any wall, as shown in **Figure 9**.
 - If mounting to a wood framed wall (with or without drywall), bracket must be mounted directly to a support board that is wide enough to span and mount onto two wall studs. Mount support to wall studs with lag screws, then mount bracket to support with appropriate fasteners, as shown in **Figure 10**.
 - If mounting to a concrete or masonry wall, attach bracket using lag shield anchors with lag screws or anchor studs (see **Figure 11**).
3. After wall bracket is installed, have another person help you hang dust collector on bracket.
4. Apply foam strip to outside bottom of canister filter (see **Figure 8**).
5. Install dust-collection bag with bag clamp (see **Figure 8**) over foam strip, then connect ducting. Refer to **Collection System** on next page for grounding requirements.

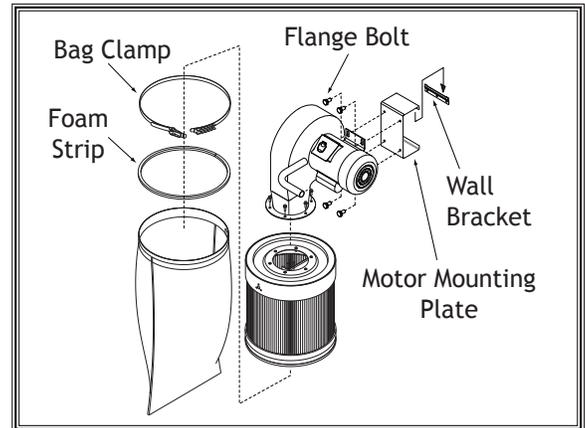


Figure 8. Dust collector assembly diagram.

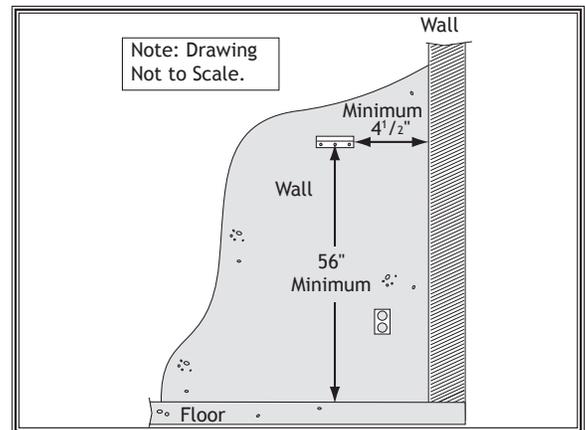


Figure 9. Wall bracket positioning.

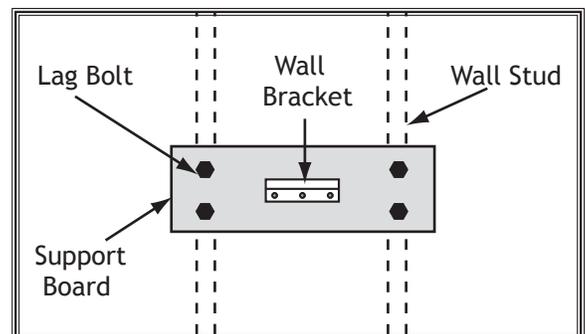


Figure 10. Wall bracket secured to support board on wall studs.

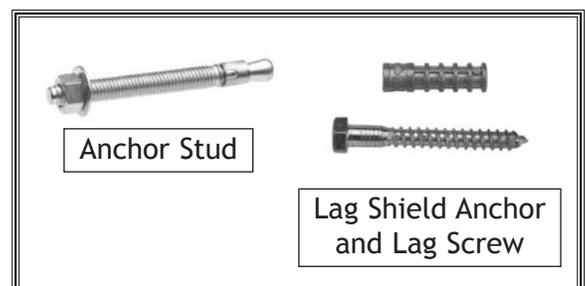


Figure 11. Typical fasteners for mounting bracket to masonry or concrete walls.

SETUP

Dust Collection System

Material Selection

You have many choices regarding dust collection ducting, but flexible hose is the most common for this size of machine. However, be aware that there is a fire or explosion hazard if plastic duct material is used for dust collection without being grounded against static electrical charge build-up.

Flexible rubber hose, polyethylene, plastic flex-hose and other flexible ribbed hose is generally used for short runs. These are manufactured from materials such as polyethylene, PVC, cloth hose dipped in rubber and even metal, including steel and aluminum.

If using flex-hose, you should choose one of the many types that are designed specifically for the movement of solid particles, such as wood dust.

Duct Grounding

Plastic flex-hose is an insulator, and dust particles moving against the walls of the hose creates a static electrical buildup. This charge will build until it discharges to a ground. If a grounding medium is not available to prevent static electrical build up, the electrical charge will arc to the nearest grounded source. This electrical discharge may cause an explosion and subsequent fire inside the system.

To protect against static electrical buildup inside a non-conducting duct, a bare copper wire should be placed inside the duct along its length and grounded to the dust collector. ALWAYS confirm the dust collector is continuously grounded through the electrical circuit to the electric service panel.

Be sure that you extend the bare copper wire down all branches of the system. Do not forget to connect the wires to each other with wire nuts when two branches meet at a “Y” or “T” connection.

Ensure that the entire system is grounded. If using plastic blast gates to direct air flow, the grounding wire must be jumped (see **Figure 12**) around the blast gate without interruption to the grounding system.

We also recommend wrapping the outside of all plastic ducts with bare copper wire to ground the outside of the system against static electrical buildup. Wire connections at Y’s and T’s should be made with wire nuts.

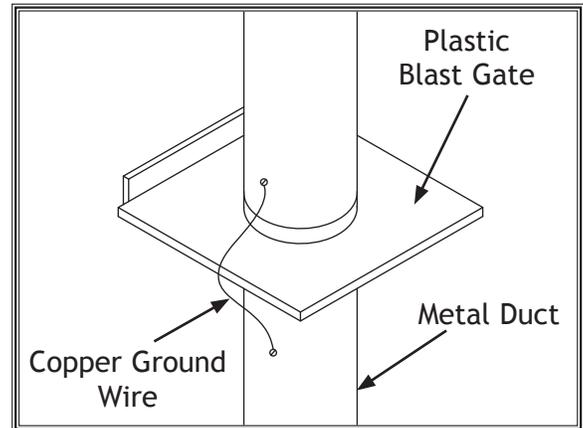
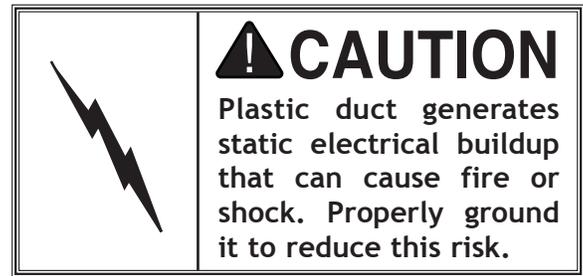


Figure 12. Ground jumper wire when using plastic blast gates or elbows and metal duct.

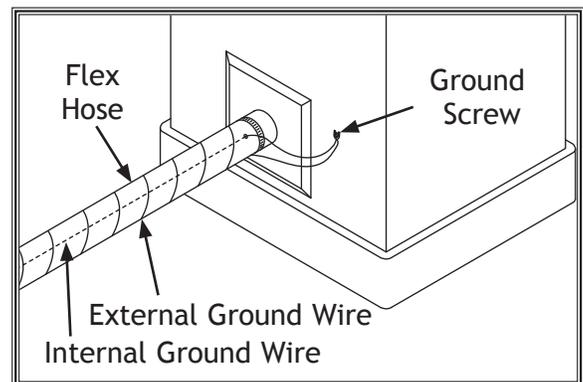


Figure 13. Flex hose grounded to machine.

Attach the bare ground wire to each stationary woodworking machine and attach the dust-collector frame with a ground screw, as shown in **Figure 13**. Ensure that each machine is continuously grounded to the grounding terminal in your electric service panel.

SETUP

Dust Collection

Since each machine produces a different amount of sawdust, the requirements for the minimum amount of CFM to move that sawdust is unique to the machine (for example, a planer produces more sawdust than a table saw). Knowing this required CFM is important to gauging which size of duct to use.

Based on the dust port size of the machine to be connected to the dust collector, **Figure 14** will give you a close estimation of the CFM that is reduced because of dust port size. A machine that generates large wood chips should be placed as close to the dust collector as possible.

Machine Dust Port Size	Approximate Required CFM
2"	98
2.5"	150
3"	220
4"	395
5"	614
6"	884
7"	1203
8"	1570
9"	1990
10"	2456

Figure 14. Approximate CFM reduction, based on machine dust port size.

If your machine doesn't have a built-in dust port, use **Figure 15** to verify which size of ducting to install on your machine.

Machine	Average Dust Port Size
Table Saw	4"
Miter/Radial-Arm Saw.....	2"
Jointer (6" and smaller)	4"
Jointer (8"-12").....	5"
Thickness Planer (13" and smaller)	4"
Thickness Planer (14"-20").....	6"
Shaper	4"
Router (mounted to table)	2"
Bandsaw	4"
Lathe.....	4"
Disc Sander (12" and smaller).....	2"
Disc Sander (13-18").....	4"
Belt Sander (6" and smaller)	2"
Belt Sander (7"-9").....	3"
Edge Sander (6" x 80" and smaller)	4"
Edge Sander (6" x 80" and larger)	5"
Drum Sander (24" and smaller)	2 x 4"
Drum Sander (24" and larger).....	4 x 4"
Widebelt Sander (18" and smaller).....	5"
Widebelt Sander (24"-37" single head) ..	2 x 6"
Widebelt Sander (24"-51" double head) .	5 x 4"

Figure 15. Typical ducting sizes and port sizes for various machines.

Test Run

Once assembly is complete, test run the machine to ensure it is properly connected to power and safety components are functioning properly.

If you find an unusual problem during the test run, immediately stop the machine, disconnect it from power, and fix the problem **BEFORE** operating the machine again. The **Troubleshooting** table in the **SERVICE** section of this manual can help.

The test run consists of verifying the following: 1) The motor powers up and runs correctly, and 2) the safety disabling mechanism on the switch works correctly.

To test run machine, do these steps:

1. Clear all setup tools away from machine.
2. Connect machine to power supply.
3. Turn machine **ON**, verify motor operation, then turn machine **OFF**.

The motor should run smoothly and without unusual noises or vibration.

4. Remove switch disabling key (see example).
5. Try to start machine with paddle switch. The machine should not start.
 - If machine *does not* start, the switch disabling feature is working as designed.
 - If machine *does* start, immediately stop the machine. The switch disabling feature is not working correctly. This safety feature must work properly before proceeding with regular operations. Call Tech Support for help.

WARNING

Serious injury or death can result from using this machine **BEFORE** understanding its controls and related safety information. **DO NOT** operate, or allow others to operate, machine until the information is understood.

WARNING

DO NOT start machine until all preceding setup instructions have been performed. Operating an improperly set up machine may result in malfunction or unexpected results that can lead to serious injury, death, or machine/property damage.

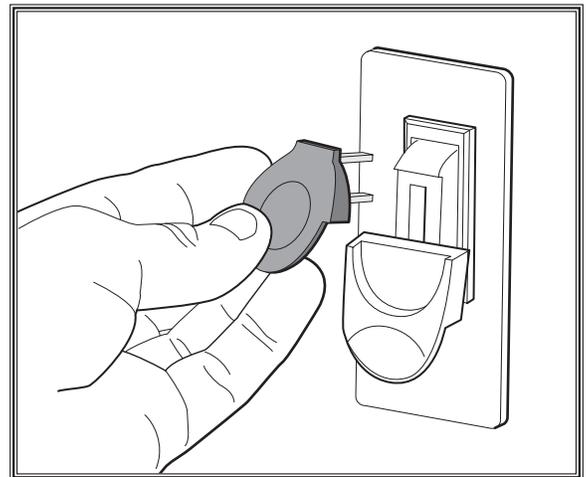


Figure 16. Removing switch key from paddle switch.

OPERATIONS

General

Operating your Model W1844 is simple and straightforward. Position the machine near the dust collector where it will not interfere with the workpiece being processed, connect the duct, connect the ducting ground, and you are ready to begin.

Keep in mind that the dust collector is intended for single machine use and is not designed to draw dust through long ducting runs and multiple ports simultaneously. We do not recommend using ducting longer than 10 feet. Otherwise, dust-collection efficiency will be greatly reduced.

To complete a typical operation, the operator does the following:

1. Examines workpiece to make sure it is suitable for dust collector.
2. Puts on appropriate PPE for operation.
3. Turns dust collector **ON** before turning machine **ON**.
4. Turns machine **OFF**, allowing machine to come to a complete stop before turning dust collector **OFF**.

Machine Storage

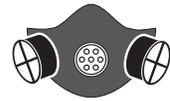
When the dust collector is not in use, unplug the power cord from the power source. Place the cord away from potential damage sources, such as high-traffic areas, sharp objects, heat sources, harsh chemicals, water, damp areas, etc.

WARNING



To reduce your risk of serious injury or damage to the machine, read this entire manual **BEFORE** using machine.

WARNING



To reduce the risk of eye injury and long-term respiratory damage, always wear safety glasses and a respirator while operating this machine.

NOTICE

If you are an inexperienced operator, we strongly recommend that you read books or trade articles, or seek training from an experienced operator of this type of machinery before performing unfamiliar operations. Above all, safety must come first!

ACCESSORIES

The following dust collector accessories may be available through your local Woodstock International Inc. Dealer. If you do not have a dealer in your area, these products are also available through online dealers. Please call or e-mail Woodstock International Inc. Customer Service to get a current listing of dealers at: 1-800-840-8420 or at sales@woodstockint.com.

The Shop Fox W1054 Dust Collection Kit #1 contains everything needed for a single machine hookup, including simple and concise instructions.

Features:

- (1) 4" x 10 ft. Black Plastic Hose
- (1) Universal Dust Hood
- (2) 4" Wire Hose Clamps



The Shop Fox W1055 Dust Collection Kit #2 takes our dust collection kit concept a step further by providing the necessary hoses, clamps, hoods and fittings to connect two woodworking machines to a dust collector. Air flow to each machine is controlled by a blast gate. Kit comes complete with comprehensive instructions and can be expanded even further using our other dust collection accessories (list enclosed in each box).

Features:

- (2) 4" Blast Gates
- (2) 4" x 10 ft. Black Plastic Hose
- (1) Tablesaw Dust Hood
- (1) Universal Dust Hood
- (1) 4" Y-Fitting
- (10) 4" Wire Hose Clamps



Pick up free dust in your shop with the Shop Fox D3756 Dust Collection Accessories Kit. The fittings attach to your 4" flexible dust collection hose. 4" connection hose and hose clamp not included.

Features:

- 4" Quick-Connect Blast Gate
- Bench Brush Attachment
- Quick-Connect Coupler
- Floor sweep attachment with swivel caster
- 4" x 3' clear pipe
- Two adjustable handles
- Quick-Connect Hose Attachment



The D4781 Replacement Bag is the lower plastic replacement bag for the W1844 Dust Collector. Always have extra on-hand!



OPERATIONS

MAINTENANCE

General

For optimum performance from your machine, follow this maintenance schedule and refer to any specific instructions given in this section.

Daily Check:

- Loose mounting bolts.
- Worn switch.
- Worn or damaged wires.
- Full collection bag.
- Any other unsafe condition.

Always empty the collection bags on a regular basis. Emptying the collection bags allows the machine to operate at a much higher level of efficiency. To limit your exposure to dust particles, we recommend that you tie off the bag and dispose of it.

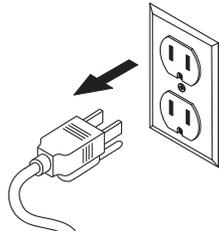
Always wear the appropriate respirator or dust mask and safety glasses when emptying or disposing of the collection bags. Small dust particles can escape the bags during emptying, causing them to become airborne and easily inhaled. This microscopic airborne dust is extremely unhealthy to breathe and can cause serious health problems.

While this dust collector excels at collecting the majority of wood dust produced by your machines, it is not an air filter; therefore, we **strongly recommend** the supplemental aid of a shop air filter such as the Shop Fox W1830. Air filters are designed to collect the smaller dust particles that dust collector bags cannot trap.

Cleaning & Protecting

Since all bearings are shielded and permanently lubricated, simply leave them alone until they need to be replaced. Do not lubricate them.

⚠ WARNING



MAKE SURE that your machine is unplugged during all maintenance procedures! If this warning is ignored, serious personal injury may occur.

⚠ WARNING



To reduce the risk of eye injury and long-term respiratory damage, always wear safety glasses and a respirator while operating this machine.

Cleaning Canister Filter

Always empty the collection bag on a regular basis. Emptying the collection bag allows the machine to operate at a much higher level of efficiency. Always wear the appropriate respirator or dust mask and safety glasses when emptying the collection bag. Small dust particles can escape the bag during emptying, causing them to become airborne and easily inhaled. This microscopic airborne dust is unsafe to breathe and can cause serious health problems.

To clean the canister filter on the Model W1844, move the canister cleaning handle back and forth to free trapped dust particles from the filter pleats (see **Figure 17**). The particles will fall into the collection bag.



Figure 17. Canister cleaning handle directions.

NOTICE

The use of compressed air or liquids to clean the canister filter will damage the filtration pleats of the filter. Use **ONLY** the cleaning handle or, if necessary, a soft brush to clean the inside of the canister filter.

Replacing Bags

To replace collection bag:

1. DISCONNECT MACHINE FROM POWER!
2. Put on safety glasses and respirator.
3. Release belt clamp securing collection bag, then remove bag from collector.
4. Securely close top of bag and safely dispose of it according to local and federal standards.
5. Install new collection bag, and secure with belt clamp.

SERVICE

General

This section covers the most common service adjustments or procedures that may need to be made during the life of your machine.

If you require additional machine service not included in this section, please contact Woodstock International Technical Support at (360) 734-3482 or send e-mail to: tech-support@shopfox.biz.

Tightening Impeller

Any unusual vibration or noise may be an indication that the impeller has loosened. If this occurs, check the impeller to make sure it is tight on the motor shaft. A set screw and a left-hand cap screw secure the impeller to the shaft. These can be accessed through the inlet cover, as shown in **Figure 18**. Tighten the fasteners as needed.

Tools Needed	Qty
Phillips Screwdriver #2.....	1
Hex Wrench 5mm	1
Hex Wrench 4mm	1

To tighten impeller, do these steps:

1. DISCONNECT MACHINE FROM POWER!
2. Remove (12) M5-.8 x 10 Phillips head screws (see **Figure 18**) that secure inlet housing cover, then set inlet cover aside.
3. Loosen $\frac{5}{16}$ -18 x $\frac{5}{16}$ set screw on impeller (see **Figure 19**).
4. Tighten M6-1 x 30 left-hand cap screw that secures impeller to shaft.
5. Tighten set screw loosened in **Step 3**.
6. Re-install inlet housing cover.

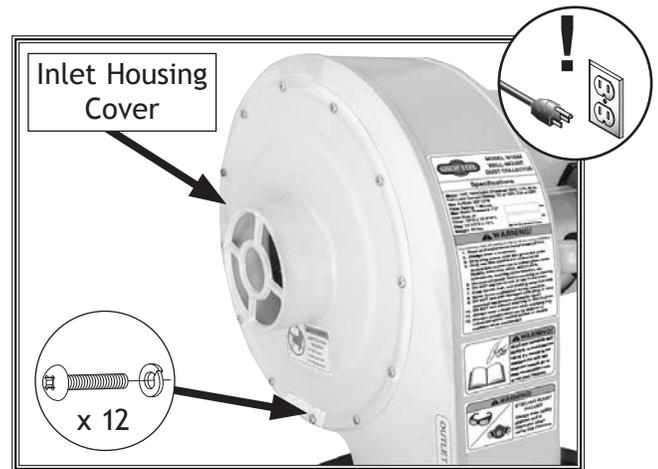
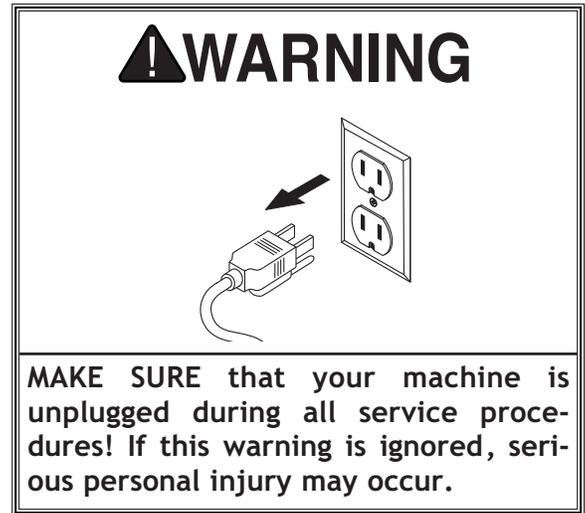


Figure 18. Inlet housing cover completely installed.

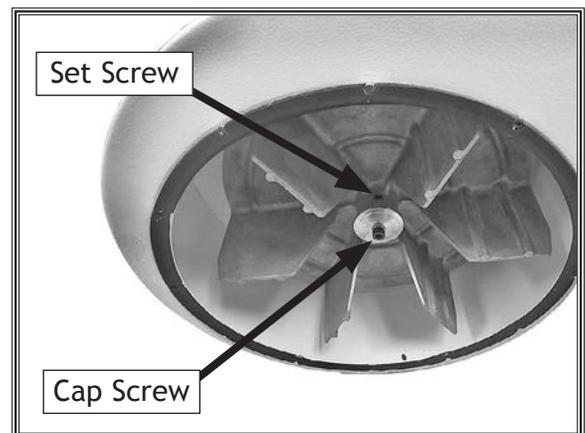
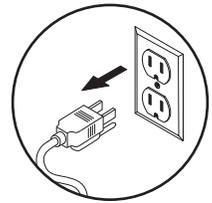


Figure 19. Impeller screw locations.

Troubleshooting



This section covers the most common problems and corrections with this type of machine. **WARNING! DO NOT** make any adjustments until power is disconnected and moving parts have come to a complete stop!

Motor & Electrical

SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Machine does not start or a breaker trips immediately after startup.	<ol style="list-style-type: none"> 1. Switch disabling key removed. 2. Incorrect power supply voltage or circuit size. 3. Power supply circuit breaker tripped or fuse blown. 4. Wiring open/has high resistance. 5. Start capacitor at fault. 6. ON/OFF switch at fault. 7. Motor at fault. 	<ol style="list-style-type: none"> 1. Install switch disabling key. 2. Ensure correct power supply voltage and circuit size. 3. Ensure circuit is sized correctly and free of shorts. Reset circuit breaker or replace fuse. 4. Check/fix broken, disconnected, or corroded wires. 5. Test/replace. 6. Test/replace. 7. Test/repair/replace.
Machine stalls or is underpowered.	<ol style="list-style-type: none"> 1. Motor overheated. 2. Dust collection ducting problem. 3. Filter element clogged/at fault. 4. Dust collector undersized. 5. Motor wired incorrectly. 6. Run capacitor at fault. 7. Centrifugal switch at fault. 8. Motor bearings at fault. 	<ol style="list-style-type: none"> 1. Allow motor to cool. 2. Clear blockages, seal leaks, use smooth-wall duct, eliminate bends, close other branches. 3. Clean/replace filter (Page 23). 4. Move closer to machine/redesign ducting layout/upgrade dust collector. 5. Wire motor correctly (Page 28). 6. Test/replace. 7. Adjust/replace centrifugal switch if available. 8. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement.
Machine has vibration or noisy operation.	<ol style="list-style-type: none"> 1. Motor or component is loose. 2. Motor mount loose/broken. 3. Machine is incorrectly mounted to wall. 4. Motor fan is rubbing on fan cover. 5. Motor bearings are at fault. 	<ol style="list-style-type: none"> 1. Inspect/replace stripped or damaged bolts/nuts, and re-tighten with thread-locking fluid. 2. Tighten/replace. 3. Tighten/replace mounting hardware (Page 16). 4. Replace dented fan cover; replace loose/damaged fan. 5. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement.

Dust Collector Operation

SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Loud, repetitious noise, or excessive vibration coming from dust collector.	<ol style="list-style-type: none"> 1. Dust collector or component is loose. 2. Motor mounting or housing connections are loose. 3. Motor fan cover is dented, causing motor fan to hit the cover while spinning. 4. Impeller is loose on motor shaft. 5. Impeller is damaged and unbalanced. 	<ol style="list-style-type: none"> 1. Tighten/replace mounting hardware. 2. Make sure all fasteners on dust collector are tight. 3. Replace motor fan cover. 4. Secure impeller; replace motor and impeller as a set if motor shaft and impeller hub are damaged (Page 24). 5. Disconnect dust collector from power, and inspect impeller for dents, bends, loose fins. Replace impeller if damaged (Page 24).
Dust collector does not adequately collect dust or chips; poor performance.	<ol style="list-style-type: none"> 1. Dust collection bag is full. 2. Restriction in the duct line. 3. Dust collector is too far away from point of suction, or there are too many sharp bends in the ducting. 4. Lumber is wet and dust is not flowing through the ducting smoothly. 5. Leak in the ducting, or a series of small leaks, or too many open ports. 6. Ducting and ports are incorrectly sized. 7. Machine dust collection design is inadequate. 8. Dust collector is undersized. 	<ol style="list-style-type: none"> 1. Empty collection bag (Page 23). 2. Remove dust line from dust collector inlet and unblock the restriction in the duct line. A plumbing snake may be necessary. 3. Relocate the dust collector closer to the point of suction, and rework ducting without sharp bends. Refer to Collection System on Page 17. 4. Process lumber with less than 20% moisture content. 5. Rework ducting to eliminate all leaks. Close dust ports for lines not being used. 6. Re-install correctly sized ducts and fittings. Refer to Collection System beginning on Page 17 for more solutions. 7. Use a dust-collection nozzle on a stand, or upgrade dust-collection system. 8. Install a larger dust collector.
Dust collector blows sawdust into the air.	<ol style="list-style-type: none"> 1. Duct clamps or dust collection bag is not properly clamped and secured. 2. Cylinder or funnel seals are loose or damaged. 	<ol style="list-style-type: none"> 1. Re-secure ducts and dust collection bag, making sure duct and bag clamps are tight and completely over ducts and bag. 2. Retighten all mounting and sealing points; replace damaged seals/gaskets.

Electrical Safety Instructions

These pages are current at the time of printing. However, in the spirit of improvement, we may make changes to the electrical systems of future machines. Compare the manufacture date of your machine to the one stated in this manual, and study this section carefully.

If there are differences between your machine and what is shown in this section, call Technical Support at (360) 734-3482 for assistance BEFORE making any changes to the wiring on your machine. An updated wiring diagram may be available. **Note:** Please gather the serial number and manufacture date of your machine before calling. This information can be found on the main machine label.

WARNING

SHOCK HAZARD. Working on wiring that is connected to a power source is extremely dangerous. Touching electrified parts will result in personal injury including but not limited to severe burns, electrocution, or death. Disconnect the power from the machine before servicing electrical components!

QUALIFIED ELECTRICIAN. Due to the inherent hazards of electricity, only a qualified electrician should perform wiring tasks on this machine. If you are not a qualified electrician, get help from one before attempting any kind of wiring job.

WIRE CONNECTIONS. All connections must be tight to prevent wires from loosening during machine operation. Double-check all wires disconnected or connected during any wiring task to ensure tight connections.

WIRE/COMPONENT DAMAGE. Damaged wires or components increase the risk of serious personal injury, fire, or machine damage. If you notice that any wires or components are damaged while performing a wiring task, replace those wires or components before completing the task.

MODIFICATIONS. Using aftermarket parts or modifying the wiring beyond what is shown in the diagram may lead to unpredictable results, including serious injury or fire.

MOTOR WIRING. The motor wiring shown in these diagrams is current at the time of printing, but it may not match your machine. Always use the wiring diagram inside the motor junction box.

CAPACITORS/INVERTERS. Some capacitors and power inverters store an electrical charge for up to 10 minutes after being disconnected from the power source. To reduce the risk of being shocked, wait at least this long before working on capacitors.

CIRCUIT REQUIREMENTS. You MUST follow the requirements at the beginning of this manual when connecting your machine to a power source.

EXPERIENCING DIFFICULTIES. If you are experiencing difficulties understanding the information included in this section, contact our Technical Support at (360) 734-3482.

NOTICE

The photos and diagrams included in this section are best viewed in color. You can view these pages in color at www.shopfox.biz.

WIRING DIAGRAM COLOR KEY

BLACK	BLUE	YELLOW	LIGHT BLUE
WHITE	BROWN	YELLOW GREEN	BLUE WHITE
GREEN	GRAY	PURPLE	TUR-QUOISE
RED	ORANGE	PINK	

Wiring Diagram

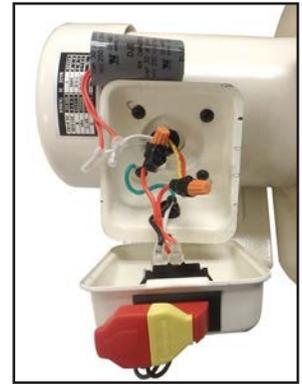
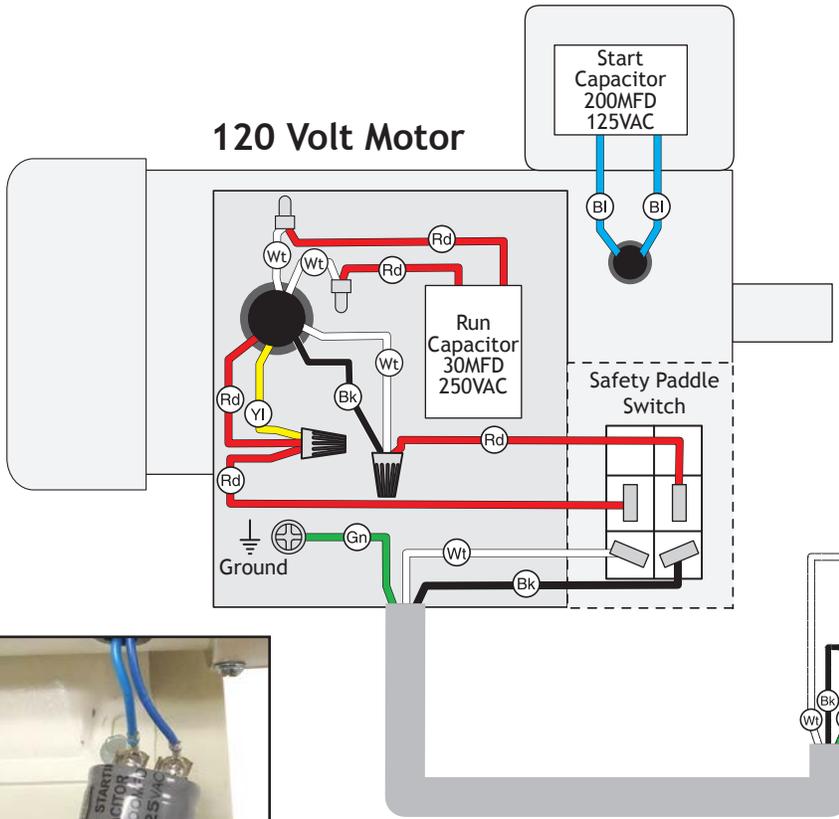


Figure 21. 120V junction box.



Figure 20. Start capacitor.

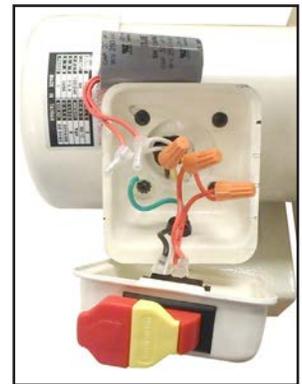
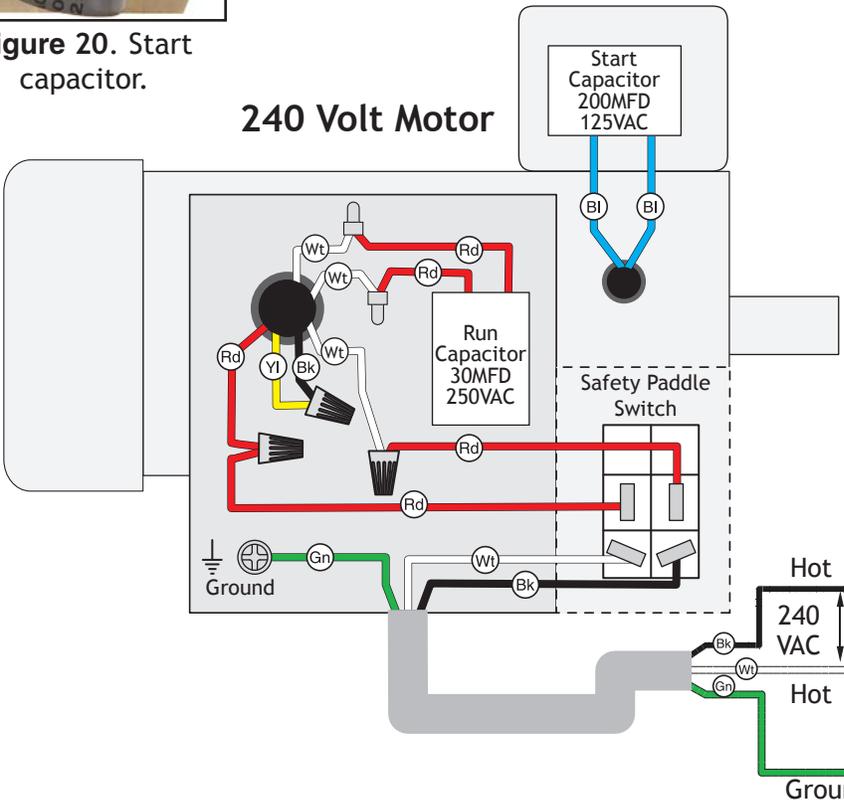
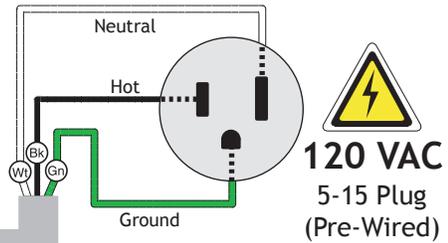
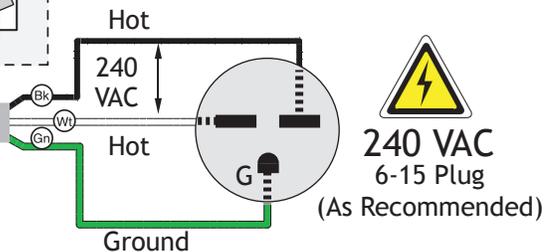


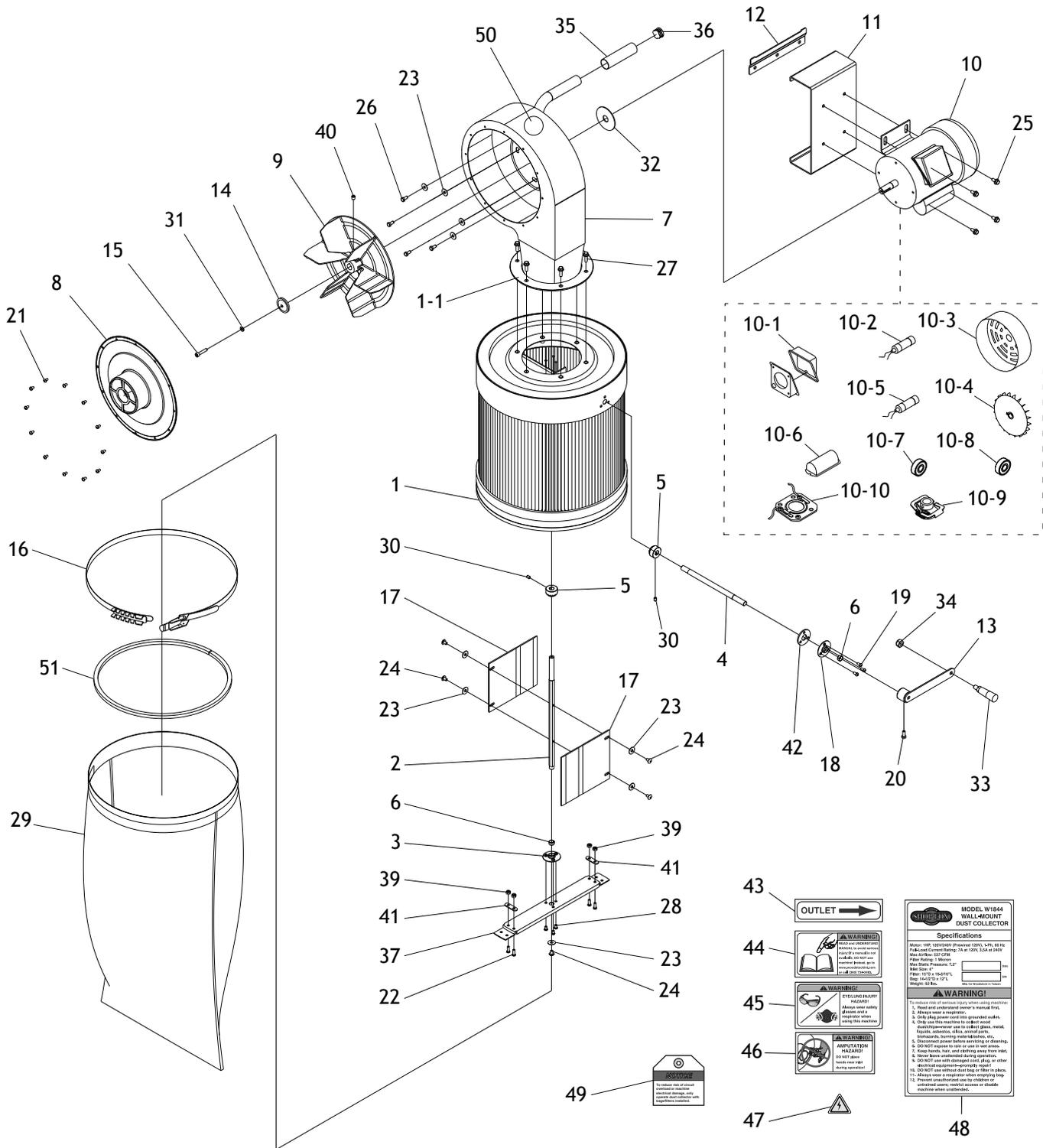
Figure 22. 240V junction box.



SERVICE

PARTS

Main



SHOP FOX	
MODEL W1844 WALL-MOUNT DUST COLLECTOR	
Specifications	
Model: W1844	Power: 120V, 60 Hz
Rated Current Rating: 12A	Max. Airflow: 220 CFM
Max. Hose Length: 25' (7.6m)	Max. Hose Diameter: 1.5"
Max. Static Pressure: 2.1"	Max. Hose Length: 25'
Max. Hose Diameter: 1.5"	Max. Hose Length: 25'
WARNING!	
To reduce risk of serious injury when using this product:	
1. Read and understand owner's manual first.	
2. Always wear a respirator.	
3. Only plug power cord into grounded outlet.	
4. Only use this machine to clean wood dust/metal shavings or metal chips.	
5. Disconnect power before servicing or cleaning.	
6. Do NOT breathe in or use in wet areas.	
7. Keep hands, hair, and clothing away from fan.	
8. Never leave unattended during operation.	
9. DO NOT use with charged cord, plug, or other electrical equipment not specifically rated for this use.	
10. DO NOT use electrical cord plug. Refer to manual for instructions.	
11. Always wear a respirator when operating this product.	
12. Prevent unauthorized use by children or untrained users; restrict access or disable machine when unattended.	

Main Parts List

REF	PART #	DESCRIPTION
1	X1844001	CANISTER FILTER
1-1	X1844001-1	CANISTER GASKET
2	X1844002	MAIN SPINDLE
3	X1844003	BEARING PLATE
4	X1844004	CRANK SPINDLE
5	X1844005	BEVEL GEAR
6	X1844006	BUSHING
7	X1844007	IMPELLER HOUSING
8	X1844008	INLET COVER
9	X1844009	ALUMINIUM IMPELLER 10"
10	X1844010	MOTOR 1HP 120/240V 1-PH
10-1	X1844010-1	MOTOR JUNCTION BOX
10-2	X1844010-2	S CAPACITOR 200M 125V 1-3/8 X 2-3/4
10-3	X1844010-3	FAN COVER
10-4	X1844010-4	MOTOR FAN
10-5	X1844010-5	R CAPACITOR 30M 250V 1-3/8 X 2-1/2
10-6	X1844010-6	CAPACITOR COVER
10-7	X1844010-7	BALL BEARING 6203ZZ (FRONT)
10-8	X1844010-8	BALL BEARING 6202ZZ (REAR)
10-9	X1844010-9	CENTRIFUGAL SWITCH
10-10	X1844010-10	CONTACT PLATE
11	X1844011	MOTOR MOUNTING PLATE
12	X1844012	WALL MOUNTING BRACKET
13	X1844013	CLEANOUT CRANK HANDLE
14	X1844014	IMPELLER WASHER 6MM
15	X1844015	CAP SCREW M6-1 X 30 LH
16	X1844016	BAG CLAMP
17	X1844017	CLEANOUT FLAPPER
18	X1844018	BEARING PLATE
19	X1844019	PHLP HD SCR M5-.8 X 10
20	X1844020	HEX BOLT M6-1 X 16

REF	PART #	DESCRIPTION
21	X1844021	PHLP HD SCR M5-.8 X 10
22	X1844022	PHLP HD SCR M5-.8 X 15
23	X1844023	FLAT WASHER 1/4
24	X1844024	PHLP HD SCR M6-1 X 12
25	X1844025	FLANGE SCREW 1/4-20 X 1/2
26	X1844026	HEX BOLT 1/4-20 X 1/2
27	X1844027	FLANGE SCREW 1/4-20 X 3/4
28	X1844028	PHLP HD SCR M5-.8 X 8
29	X1844029	COLLECTION BAG 22-3/4" X 30"
30	X1844030	SET SCREW 1/4-20 X 5/16
31	X1844031	LOCK WASHER 1/4
32	X1844032	MOTOR GASKET
33	X1844033	CRANK HANDLE M10-1.5 X 14, 98L
34	X1844034	LOCK NUT M10-1.5
35	X1844035	HAND GRIP 1 X 5" (FOAM)
36	X1844036	END CAP 1"
37	X1844037	SPINDLE BRACKET
39	X1844039	HEX NUT M5-.8
40	X1844040	SET SCREW 5/16-18 X 5/16
41	X1844041	MOUNTING PLATE
42	X1844042	GASKET (RUBBER)
43	X1844043	OUTLET DIRECTION LABEL
44	X1844044	READ MANUAL LABEL
45	X1844045	EYE/LUNG INJURY HAZARD LABEL
46	X1844046	AMPUTATION HAZARD LABEL
47	X1844047	ELECTRICITY LABEL
48	X1844048	MACHINE ID LABEL
49	X1844049	NOTICE HANGING TAG
50	X1844050	TOUCH-UP PAINT, SHOP FOX WHITE
51	X1844051	FOAM STRIP 2 X 16 X 1250MM



Warranty Registration

Name _____
 Street _____
 City _____ State _____ Zip _____
 Phone # _____ Email _____ Invoice # _____
 Model # _____ Serial # _____ Dealer Name _____ Purchase Date _____

The following information is given on a voluntary basis. It will be used for marketing purposes to help us develop better products and services. Of course, all information is strictly confidential.

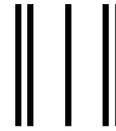
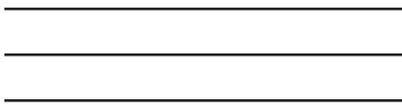
- How did you learn about us?
 Advertisement Friend Local Store
 Mail Order Catalog Website Other:
- How long have you been a woodworker/metalworker?
 0-2 Years 2-8 Years 8-20 Years 20+ Years
- How many of your machines or tools are Shop Fox?
 0-2 3-5 6-9 10+
- Do you think your machine represents a good value? Yes No
- Would you recommend Shop Fox products to a friend? Yes No
- What is your age group?
 20-29 30-39 40-49
 50-59 60-69 70+
- What is your annual household income?
 \$20,000-\$29,000 \$30,000-\$39,000 \$40,000-\$49,000
 \$50,000-\$59,000 \$60,000-\$69,000 \$70,000+
- Which of the following magazines do you subscribe to?

<input type="checkbox"/> Cabinet Maker	<input type="checkbox"/> Popular Mechanics	<input type="checkbox"/> Today's Homeowner
<input type="checkbox"/> Family Handyman	<input type="checkbox"/> Popular Science	<input type="checkbox"/> Wood
<input type="checkbox"/> Hand Loader	<input type="checkbox"/> Popular Woodworking	<input type="checkbox"/> Wooden Boat
<input type="checkbox"/> Handy	<input type="checkbox"/> Practical Homeowner	<input type="checkbox"/> Woodshop News
<input type="checkbox"/> Home Shop Machinist	<input type="checkbox"/> Precision Shooter	<input type="checkbox"/> Woodsmith
<input type="checkbox"/> Journal of Light Cont.	<input type="checkbox"/> Projects in Metal	<input type="checkbox"/> Woodwork
<input type="checkbox"/> Live Steam	<input type="checkbox"/> RC Modeler	<input type="checkbox"/> Woodworker West
<input type="checkbox"/> Model Airplane News	<input type="checkbox"/> Rifle	<input type="checkbox"/> Woodworker's Journal
<input type="checkbox"/> Modeltec	<input type="checkbox"/> Shop Notes	<input type="checkbox"/> Other:
<input type="checkbox"/> Old House Journal	<input type="checkbox"/> Shotgun News	

9. Comments: _____

CUT ALONG DOTTED LINE

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P.O. BOX 2309
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TAPE ALONG EDGES--PLEASE DO NOT STAPLE

WARRANTY

Woodstock International, Inc. warrants all Shop Fox machinery to be free of defects from workmanship and materials for a period of two years from the date of original purchase by the original owner. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, lack of maintenance, or reimbursement of third party expenses incurred.

Woodstock International, Inc. will repair, replace, or arrange for a dealer refund, at its expense and option, the Shop Fox machine or machine part proven to be defective for its designed and intended use, provided that the original owner returns the product prepaid to an authorized warranty or repair facility as designated by our Bellingham, Washington office with proof of their purchase of the product within two years, and provides Woodstock International, Inc. reasonable opportunity to verify the alleged defect through inspection. If it is determined there is no defect, or that the defect resulted from causes not within the scope of Woodstock International Inc.'s warranty, then the original owner must bear the cost of storing and returning the product.

This is Woodstock International, Inc.'s sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant that Shop Fox machinery complies with the provisions of any law, acts or electrical codes. We do not reimburse for third party repairs. In no event shall Woodstock International, Inc.'s liability under this limited warranty exceed the purchase price paid for the product, and any legal actions brought against Woodstock International, Inc. shall be tried in the State of Washington, County of Whatcom. We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special or consequential damages arising from the use of our products.

Every effort has been made to ensure that all Shop Fox machinery meets high quality and durability standards. We are committed to continuously improving the quality of our products, and reserve the right to change specifications at any time.



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