MODEL T33587
MINI PORTABLE DUST COLLECTOR
OWNER'S MANUAL
(For models manufactured since 04/24)

Intertek
4000909

#JM22754 PRINTED IN CHINA V2.03.24

******Keep for Future Reference******

⚠ 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.

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INTRODUCTION

Contact Info

We stand behind our machines! If you have questions or need help, contact us with the information below. Before contacting, make sure you get the **serial number** and **manufacture date** from the machine ID label. This will help us help you faster.

Grizzly Technical Support
1815 W. Battlefield
Springfield, MO 65807
Phone: (570) 546-9663
Email: techsupport@grizzly.com

We want your feedback on this manual. What did you like about it? Where could it be improved? Please take a few minutes to give us feedback.

Grizzly Documentation Manager
P.O. Box 2069
Bellingham, WA 98227-2069
Email: manuals@grizzly.com

⚠WARNING

Like all machinery there is potential danger when operating this machine. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this machine with respect and caution to decrease the risk of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.

⚠CAUTION

No list of safety guidelines can be complete. Every shop environment is different. Always consider safety first, as it applies to your individual working conditions. Use this and other machinery with caution and respect. Failure to do so could result in serious personal injury, damage to equipment, or poor work results.

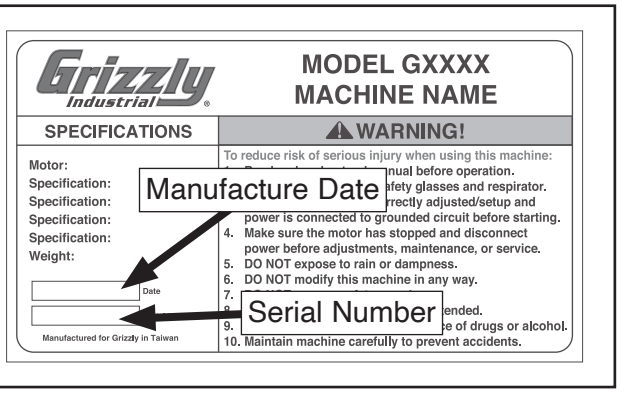
Manual Accuracy

We are proud to provide a high-quality owner's manual with your new machine!

We made every effort to be exact with the instructions, specifications, drawings, and photographs in this manual. Sometimes we make mistakes, but our policy of continuous improvement also means that **sometimes the machine you receive is slightly different than shown in the manual**.

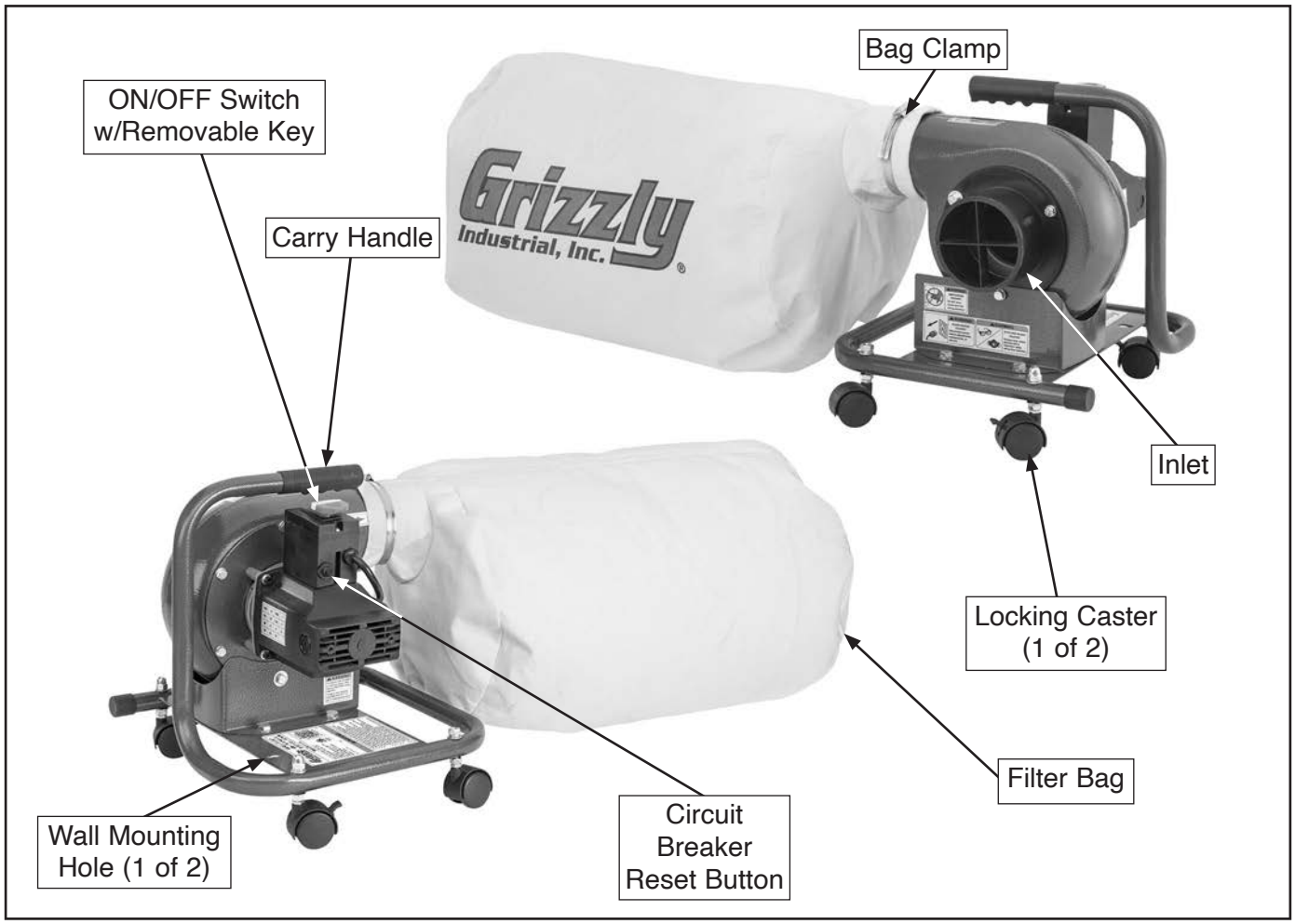
If you find this to be the case, and the difference between the manual and machine leaves you confused or unsure about something, check our website for an updated version. We post current manuals and manual updates for free on our website at **www.grizzly.com**.

Alternatively, you can call our Technical Support for help. Before calling, make sure you write down the **manufacture date** and **serial number** from the machine ID label (see below). This information is required for us to provide proper tech support, and it helps us determine if updated documentation is available for your machine.

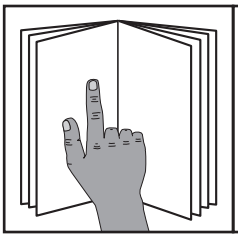


Identification

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



Controls & Components



⚠WARNING

To reduce your risk of serious injury, read this entire manual BEFORE using machine.

Refer to the following figures and descriptions to become familiar with the basic controls and components of this machine. Understanding these items and how they work will help you understand the rest of the manual and minimize your risk of injury when operating this machine.

Main Controls & Components

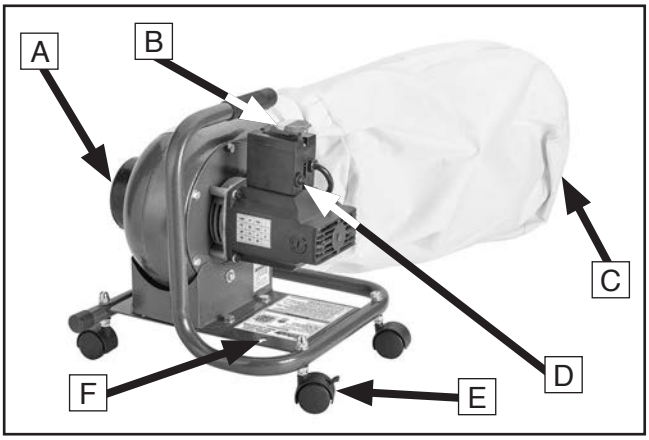


Figure 1. Main controls and components.

A. Inlet: Allows connection of 4" duct to machine.

B. ON/OFF Switch w/Removable Disabling Key: Turns motor ***ON/OFF***. Removal of yellow key disables switch, preventing motor operation.

C. Filter Bag: Collects up to 12 gallons of wood dust and filters to 2.5 microns.

D. Circuit Breaker Reset Button: Allows machine to be restarted when motor becomes overloaded or overheated. To reset, disconnect machine from power and allow motor to cool. Reconnect machine to power, press button and restart machine. If machine does not start, disconnect from power and allow motor to cool for longer period of time.

E. Casters: Provide support and directional movement. Two casters lock to secure dust collector in place.

F. Wall Mount Holes: Allow mounting of dust collector to wall.

MACHINE DATA SHEET

Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901

MODEL T33587 MINI PORTABLE DUST COLLECTOR

Product Dimensions:

Weight..... 16 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 13 x 34-1/2 x 14-1/2 in.
Footprint (Length x Width)..... 13-1/2 x 13 in.

Shipping Dimensions:

Type..... Cardboard Box
Content..... Machine
Weight..... 21 lbs.
Length x Width x Height..... 16 x 16 x 15 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 120V, Single Phase, 60 Hz
Full-Load Current Rating..... 5.7A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 90 in.
Power Cord Gauge..... 18 AWG
Plug Included..... Yes
Included Plug Type..... 5-15
Switch Type..... Paddle Safety Switch w/Removable Key

Motors:

Main

Horsepower..... 1/2 HP
Phase..... Single-Phase
Amps..... 5.7A
Speed..... 4500 RPM
Type..... Universal
Power Transfer ..... Direct
Bearings..... Shielded & Permanently Lubricated

Main Specifications:

Operation

Dust Collector Type..... Single-Stage
Approved Dust Types..... Wood
Filter Type..... Bag
Airflow Performance..... 525 CFM
Max Static Pressure (at 0 CFM)..... 11 in.
Main Inlet Size..... 4 in.
Machine Collection Capacity At One Time..... 1
Maximum Material Collection Capacity..... 12 gal.

Filter Information

Filtration Rating..... 2.5 Micron

Bag Information

Number Of Filter Bags	1
Filter Bag Diameter	13 in.
Filter Bag Length	21 in.

Impeller Information

Impeller Type	Radial Fin
Impeller Size	6 in.
Impeller Blade Thickness	5/32 in.

Construction

Filter Bag	Felt
Frame	Steel
Caster	Plastic
Impeller	Nylon
Paint Type/Finish	Powder Coat
Body	Steel Sheet Metal

Other Specifications:

Country of Origin	China
Warranty	1 Year
Approximate Assembly & Setup Time	30 Minutes
Serial Number Location	ID Label
Sound Rating	79 - 81 dB
Certified by a Nationally Recognized Testing Laboratory (NRTL)	Yes

Features:

Felt Bag w/Zipper and 2.5-Micron Filtration Rating
Circuit Breaker for Overload Protection
Steel Base Can Be Used with Included Casters or Mounted to a Wall

SECTION 1: SAFETY

For Your Own Safety, Read Instruction Manual Before Operating This 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. Always use common sense and good judgment.

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

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

⚠CAUTION **Indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury. It may also be used to alert against unsafe practices.**

NOTICE **Alerts the user to useful information about proper operation of the machine to avoid machine damage.**

Safety Instructions for Machinery

⚠WARNING

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 your 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 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 prevents an injury risk 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.

⚠WARNING

WEARING PROPER APPAREL. Do not wear loose clothing, gloves, neckties, or jewelry that can become entangled in moving parts. Always tie back or cover long hair. Wear non-slip footwear to reduce risk of slipping and losing control or accidentally contacting cutting tool or moving parts.

HAZARDOUS DUST. Dust created by machinery operations may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each workpiece material. 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!

USE CORRECT TOOL FOR THE JOB. Only use this tool for its intended purpose—do not force it or an attachment to do a job for which it was not designed. Never make unapproved modifications—modifying tool or using it differently than intended may result in malfunction or mechanical failure that can lead to 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 BEFORE operating machine.

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 the 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.

DAMAGED PARTS. Regularly inspect machine for damaged, loose, or mis-adjusted parts—or any condition that could affect safe operation. Immediately repair/replace BEFORE operating machine. For your own safety, DO NOT operate machine with damaged parts!

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. 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 our Technical Support at (570) 546-9663.

Additional Safety for Dust Collectors

⚠WARNING

Long-term respiratory damage can occur from using dust collectors without proper use of a respirator. Fire or explosions can result in smoke inhalation, serious burns, or death—if machine is used to collect incorrect materials, is operated near potential explosion sources, or ducting is improperly grounded. Entanglement, amputation, or death can occur if hair, clothing, or fingers are pulled into the inlet. To reduce the risk of these hazards, operator and bystanders MUST completely heed the hazards and warnings below.

INTENDED USE. Collecting the wrong materials can result in serious inhalation hazards, fire, explosions, or machine damage. This machine is ONLY designed to collect wood dust and chips from woodworking machines. DO NOT use it to collect silica, polyurethane, toxic fumes, metal dust or shavings, lead paint, drywall, asbestos, biohazards, explosive dusts, flammable or combustible liquids or fumes, nor burning or smoking material.

WEAR A RESPIRATOR. Fine dust that is too small to be caught in filter will be blown into ambient air. Always wear a NIOSH-approved respirator during operation and for a short time after to reduce your risk of permanent respiratory damage. Never collect dust from any hazardous material.

IMPELLER HAZARDS. To reduce risk of entanglement or contact with impeller, DO NOT place hands, hair, clothing, or tools in or near open dust collection inlet during operation, and keep small animals and children away. The powerful suction could easily pull them into impeller.

HAZARDOUS DUST. Dust exposure 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.

EMPTYING DUST. When emptying bag or drum, wear respirator and safety glasses. Empty dust away from ignition sources and into approved container.

OPERATING LOCATION. To reduce respiratory exposure to fine dust, locate permanently installed dust collectors away from working area or in another room. DO NOT place dust collector where it can be exposed to rain or moisture, which creates a shock hazard and will reduce life of machine.

POWER DISCONNECT. Turn machine ***OFF***, disconnect from power supply, and allow impeller to completely stop before leaving machine unattended, or doing any maintenance or service.

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

SUSPENDED DUST PARTICLES. To reduce risk of death or injury caused by explosions or fires, DO NOT operate in areas where these risks are high, including spaces near pilot lights, open flames, or other ignition sources.

AVOIDING SPARKS. To reduce risk of fire, avoid collecting any metal objects or stones. These can possibly produce sparks when they strike impeller, which can smolder in wood dust for a long time before a fire is detected. If you accidentally cut into wood containing metal, immediately turn ***OFF*** dust collector, disconnect from power, and wait for impeller to stop. Then empty bag or drum into approved airtight metal container.

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

STATIC ELECTRICITY. To reduce risk of fire or explosions caused by sparks from static electricity, ground all ducting using grounding wire.

DUST ALLERGIES. Dust from certain woods will cause an allergic reaction. Make sure you know what type of wood dust you will be exposed to in case of an allergic reaction.

SECTION 2: POWER SUPPLY

Availability

Before installing the machine, consider the availability and proximity of the required power supply circuit. If an existing circuit does not meet the requirements for this machine, a new circuit must be installed. To minimize the risk of electrocution, fire, or equipment damage, installation work and electrical wiring must be done by an electrician or qualified service personnel in accordance with all applicable codes and standards.

⚠WARNING

Electrocution, fire, shock, or equipment damage may occur if machine is not properly grounded and connected to power supply.

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 .... 5.7 Amps

The full-load current is not the maximum amount of amps that the machine will draw. If the machine is overloaded, it will draw additional amps beyond the full-load rating.

If the machine is overloaded for a sufficient length of time, damage, overheating, or fire may result—especially if connected to an undersized circuit. To reduce the risk of these hazards, avoid overloading the machine during operation and make sure it is connected to a power supply circuit that meets the specified circuit requirements.

⚠WARNING

Serious injury could occur if you connect machine to power before completing setup process. DO NOT connect to power until instructed later in this manual.

120V Circuit Requirements

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

Nominal Voltage 110V, 115V, 120V
Cycle ..... 60 Hz
Phase ..... Single-Phase
Power Supply Circuit ..... 15 Amps
Plug/Receptacle ..... NEMA 5-15

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.)

⚠CAUTION

For your own safety and protection of property, consult an electrician if you are unsure about wiring practices or electrical codes in your area.

Note: *Circuit requirements in this manual apply to a dedicated circuit—where only one machine will be running on the circuit at a time. If machine will be connected to a shared circuit where multiple machines may be running at the same time, consult an electrician or qualified service personnel to ensure circuit is properly sized for safe operation.*

Grounding & Plug Requirements

This machine MUST be grounded. In the event of certain malfunctions or breakdowns, grounding reduces the risk of electric shock by providing a path of least resistance for electric current.

This machine is equipped with a power cord that has an equipment-grounding wire and a grounding plug. Only insert plug into a matching receptacle (outlet) that is properly installed and grounded in accordance with all local codes and ordinances. DO NOT modify the provided plug!

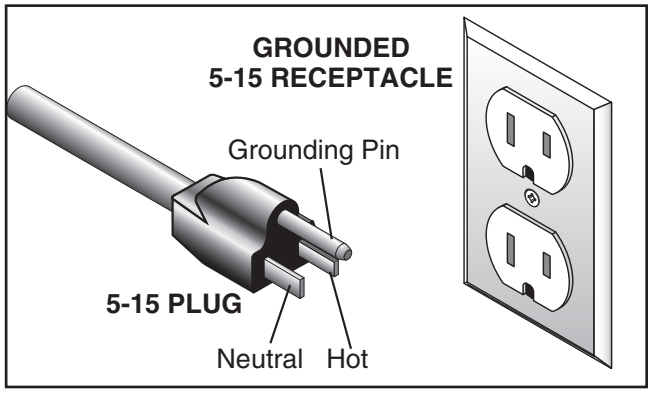
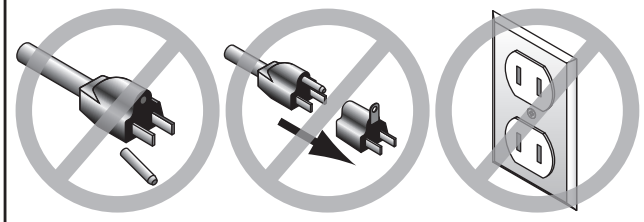


Figure 2. Typical 5-15 plug and receptacle.

⚠CAUTION



SHOCK HAZARD!

Two-prong outlets do not meet the grounding requirements for this machine. Do not modify or use an adapter on the plug provided—if it will not fit the outlet, have a qualified electrician install the proper outlet with a verified ground.

Improper connection of the equipment-grounding wire can result in a risk of electric shock. The wire with green insulation (with or 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.

Extension Cords

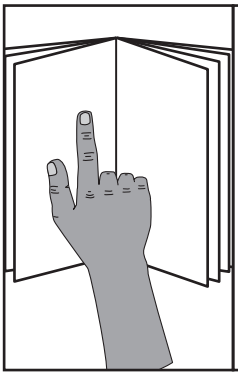
We do not recommend using an extension cord with this machine. If you must use an extension cord, only use it if absolutely necessary and only on a temporary basis.

Extension cords cause voltage drop, which can damage electrical components and shorten motor life. Voltage drop increases as the extension cord size gets longer and the gauge size gets smaller (higher gauge numbers indicate smaller sizes).

Any extension cord used with this machine must be in good condition and contain a ground wire and matching plug/receptacle. Additionally, it must meet the following size requirements:

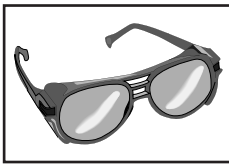
Minimum Gauge Size.....16 AWG
Maximum Length (Shorter is Better).....50 ft.

SECTION 3: SETUP



⚠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 the entire setup process!

Needed for Setup

The following items are needed, but not included, for the setup/assembly of this machine.

Description	Qty
• Safety Glasses (for each person)	1 Pair
• Respirator (for each person)	1 Pair
• Open-End Wrenches 13mm	1
• Flat Head Screwdriver ½"	1
• Mounting Fasteners	As Needed
• Stud Finder	1
• Drill and Bits	As Needed
• Marker/Pencil	1
• Level	1
• Support Board (½" Thick Min.)	As Needed
• An Assistant	1
• Hammer Drill	1
• Masonry Bit	1

Unpacking

This machine was carefully packaged for safe transport. When unpacking, separate all enclosed items from packaging materials and inspect them for shipping damage. ***If items are damaged, please call us immediately at (570) 546-9663.***

IMPORTANT: Save all packaging materials until you are completely satisfied with the machine and have resolved any issues between Grizzly or the shipping agent. *You MUST have the original packaging to file a freight claim. It is also extremely helpful if you need to return your machine later.*

Inventory

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

If any non-proprietary parts are missing (e.g. a nut or a washer), we will gladly replace them; or for the sake of expediency, replacements can be obtained at your local hardware store.

Machine (Figure 3) **Qty**
A. Dust Collector.....1

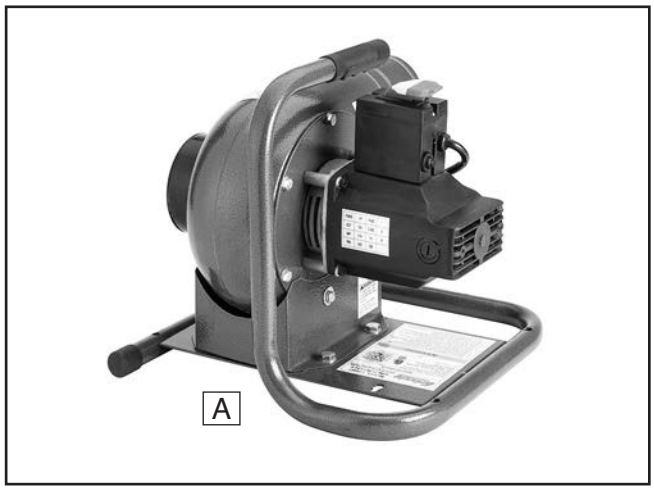


Figure 3. Model T33587.

Loose Components (Figure 4) **Qty**
B. Casters 2".....2
C. Locking Casters 2".....2
D. Flat Washers 8mm.....8
E. Hex Nuts M8-1.25.....4
F. Acorn Nuts M8-1.25.....4
G. Bag Clamp 4".....1
H. Filter Bag.....1

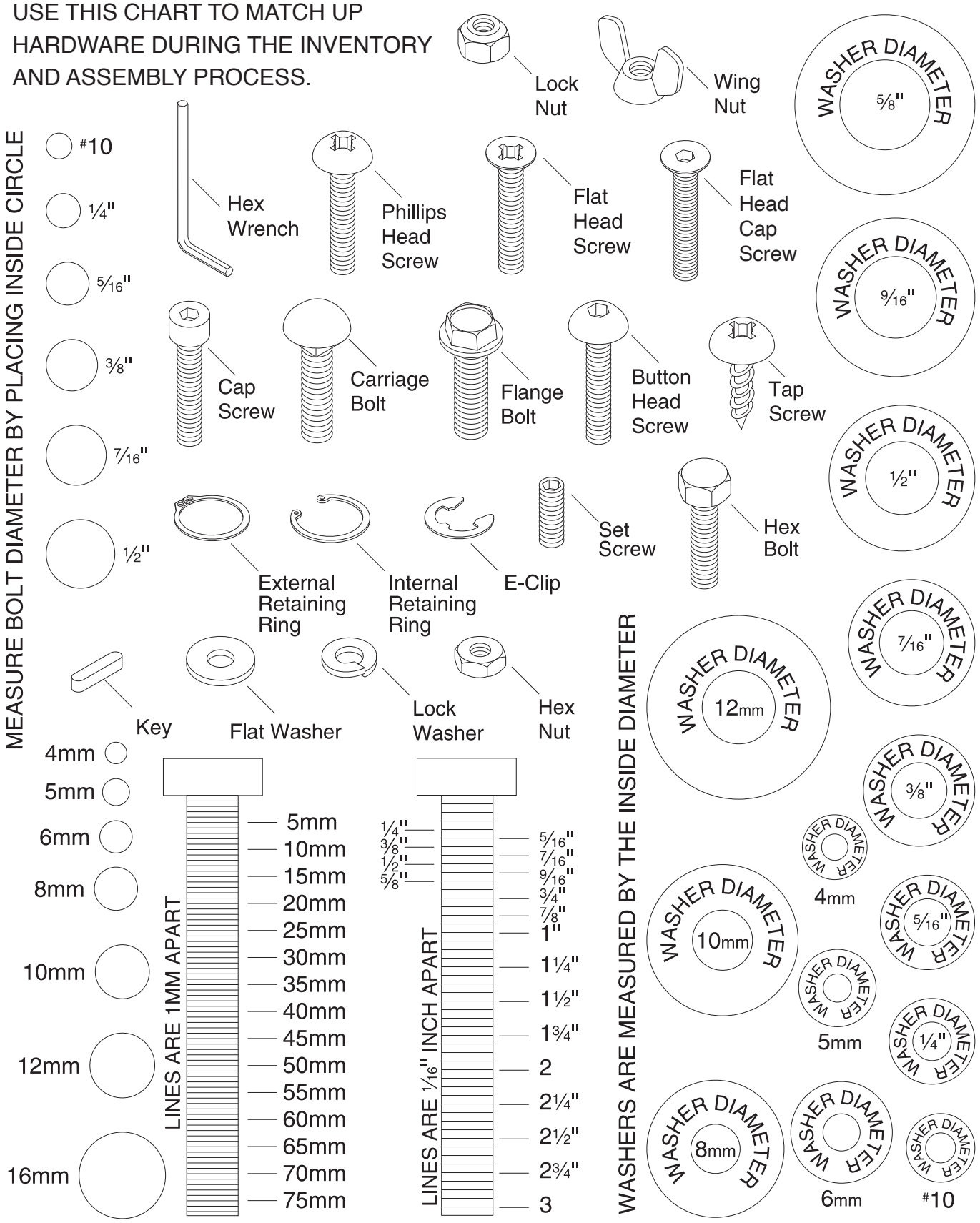
Figure 4. Loose components.

NOTICE

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.

Hardware Recognition Chart

USE THIS CHART TO MATCH UP HARDWARE DURING THE INVENTORY AND ASSEMBLY PROCESS.



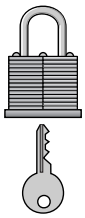
Site Considerations

Weight Load

Refer to the **Machine Data Sheet** 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.**



⚠CAUTION

Children or untrained people may be seriously injured by this machine. Only install in an access restricted location.

Physical Environment

The physical environment where the machine is operated is important for safe operation and longevity of machine 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 enough space around machine to disconnect power supply or apply a lockout/tagout device, if required.

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.

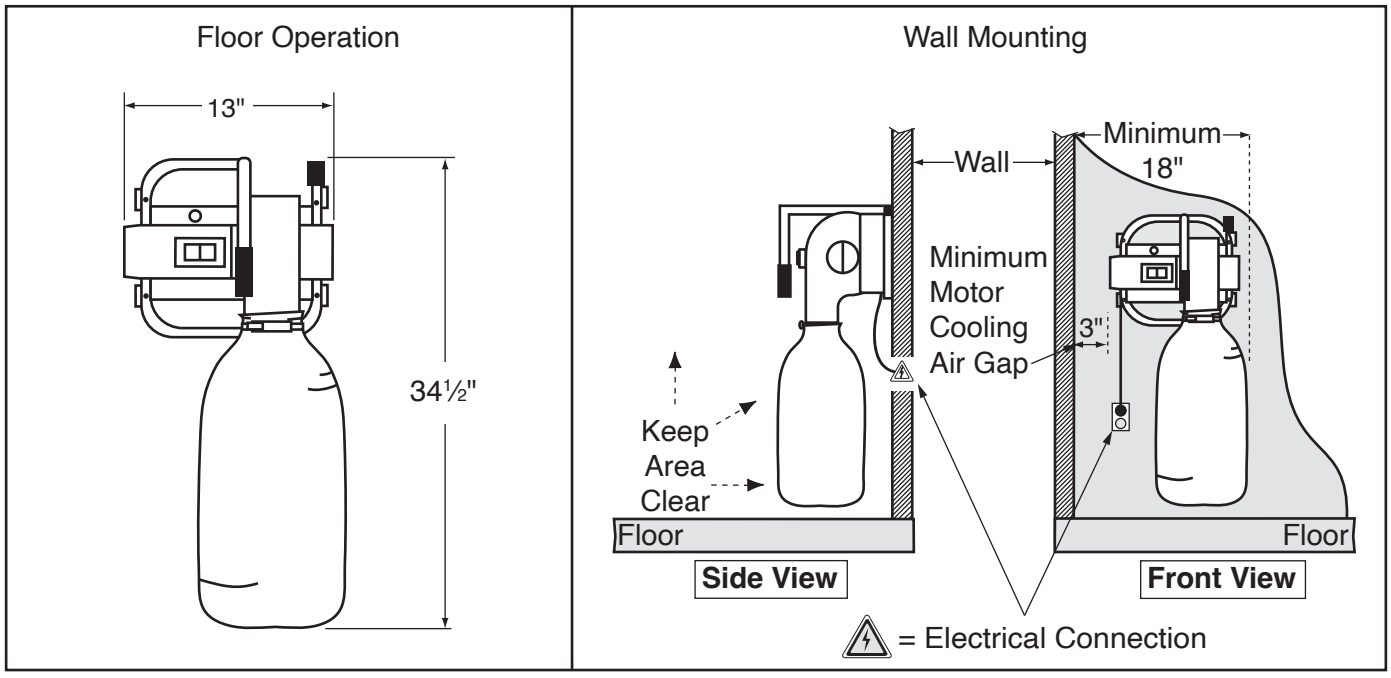


Figure 5. Minimum working clearances.

Assembly

The machine must be fully assembled before it can be operated. Before beginning the assembly process, refer to **Needed for Setup** and gather all listed items. To ensure the assembly process goes smoothly, first clean any parts that are covered or coated in heavy-duty rust preventative (if applicable).

To assemble machine:

1. Thread (1) M8-1.25 hex nut with (1) 8mm flat washer onto caster, insert it through hole in dust collector base, then secure caster with (1) 8mm flat washer and (1) M8-1.25 acorn nut (see **Figure 6**).

   Note: *Install locking casters parallel to each other. DO NOT install locking casters in opposite corners.*

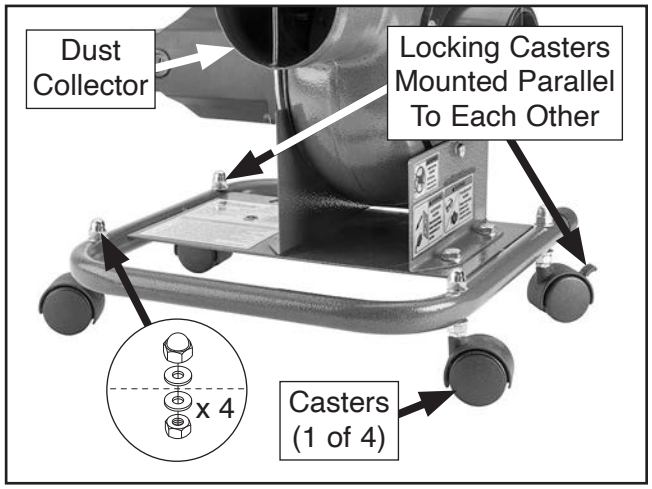


Figure 6. Casters attached to dust collector.

2. Repeat **Step 1** to install remaining casters.

3. Fit filter bag over outlet and secure with provided bag clamp (see **Figure 7**).

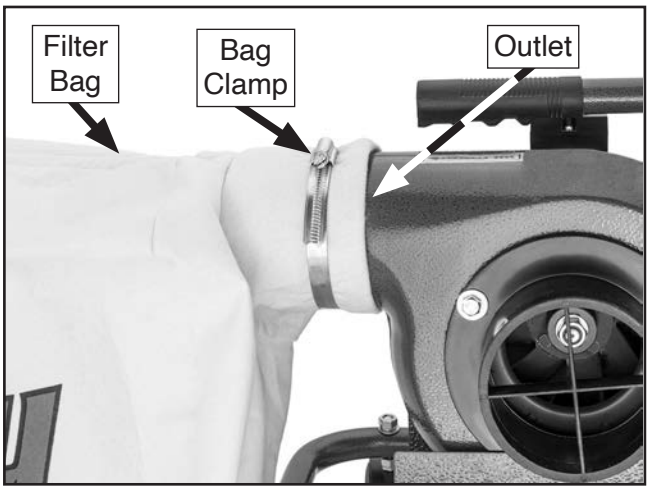


Figure 7. Filter bag installed on outlet.

Wall Mounting

The Model T33587 can be operated as a mounted unit, as shown in **Figure 10** on **Page 17**. If mounting the machine to the wall, remove the casters and use the four caster holes or the two slotted wall mounting holes in the dust collector base as a template to mark mounting hole locations.

Mount the unit so the collection bag just touches the floor when fully inflated. This will eliminate undue bag stretching and stress on the collector body when the bag begins to fill. Be sure the floor surface is smooth so the bag will not catch and rip.

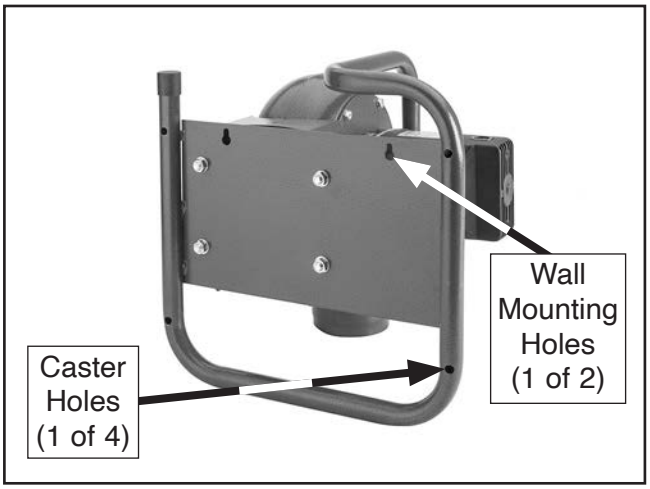


Figure 8. Location of mounting holes.

To mount dust collector to wood-framed wall (with or without drywall):

1. Mount support board to wall studs with lag screws (see **Figure 9**).

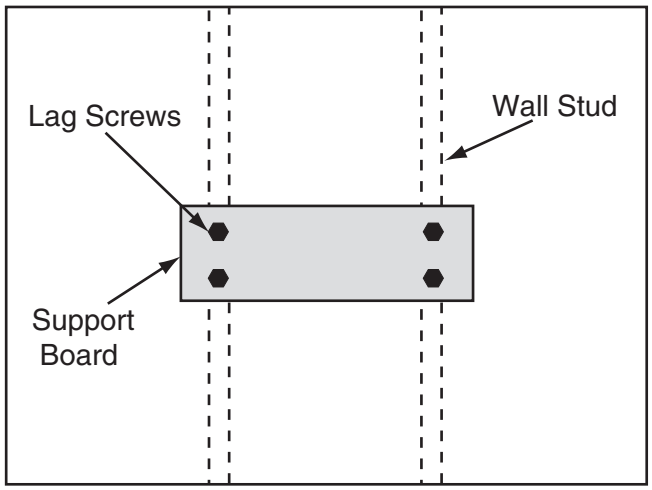


Figure 9. Use of support board to mount T33587.

2. Using (2) wall mounting holes or (4) caster holes, mark hole locations on support board (see **Figure 10**).

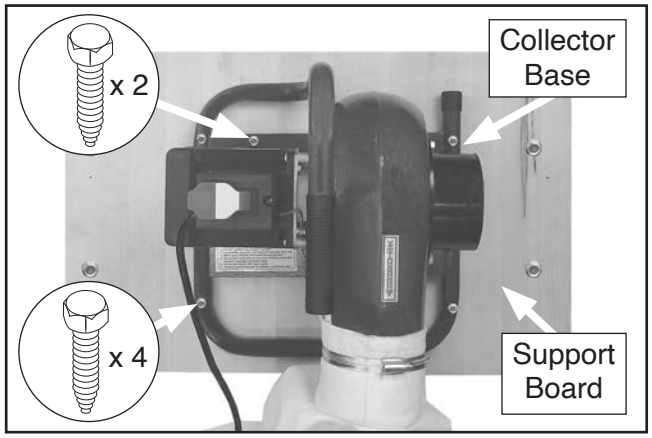


Figure 10. Example of support board mounting.

3. With assistance from another person, mount dust collector to support board with appropriate fasteners (not included).

To mount dust collector to concrete or masonry wall:

1. With assistance from another person, mount dust collector to wall with lag shield anchors and lag screws or anchor studs (see **Figure 11**).

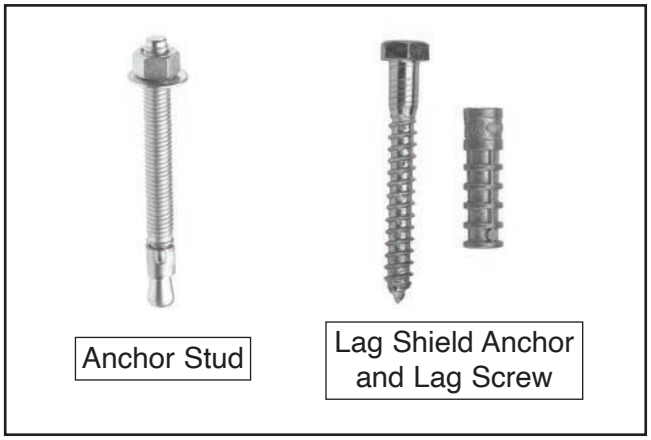


Figure 11. Typical fasteners for mounting dust collector base to masonry or concrete wall.

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. There are many different types of flex hose on the market today. 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, i.e. dust, grains and plastics. However, the cost of specifically designed flexible duct can vary greatly. Grizzly offers polyethylene and steel flex hose.

⚠WARNING

Always guard against static electrical build up by grounding all dust collection lines.

Duct Grounding

Plastic flex-hose is an insulator, and dust particles moving against the walls of the hose creates a static electrical build up. 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 build up inside a non-conducting duct, a bare copper wire should be placed inside the duct along its length and grounded to the dust collector. You must also confirm that 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 (**Figure 12**) around the blast gate without interruption to the grounding system.

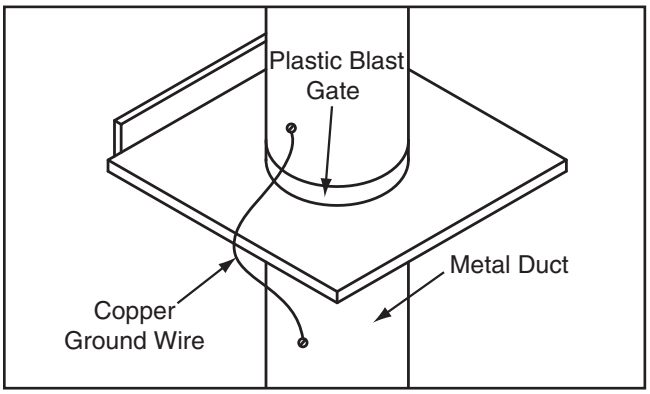


Figure 12. Ground jumper wire when using plastic blast gates or elbows and metal duct.

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.

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

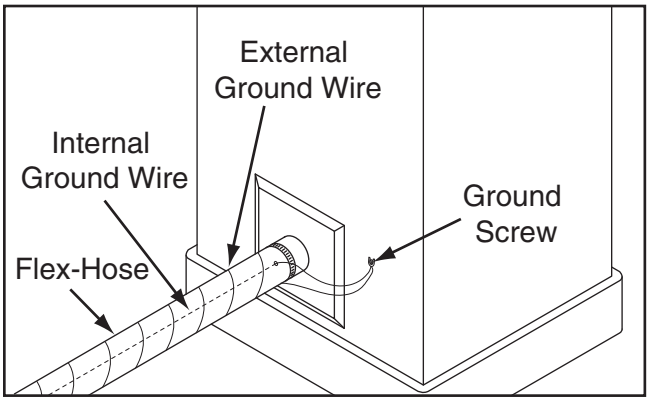


Figure 13. Flex-hose grounded to machine.

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.

Refer to the figure below for a close estimation of the airflow each machine requires. Keep in mind that machines that generate the most sawdust should be placed closest to the dust collector. If the machine has multiple dust ports, the total CFM required is the sum of all ports.

Machine Dust Port Size	Approximate Required CFM
2"	98
2.5"	150
3"	220
4"	395

Figure 14. Approximate required airflow for machines, based on dust port size.

If the machine does not have a built-in dust port, use the following table to determine which size of dust port to install.

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 correctly.

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 ON/OFF switch works correctly.

⚠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.

To test run the machine:

1. Clear all setup tools away from machine.

2. Connect machine to dust collection system or cover inlet.

   IMPORTANT: DO NOT operate dust collector without first connecting it to dust collection system or covering inlet. Otherwise, lack of airflow resistance will cause motor to operate at full amperage load, which could trip your circuit breaker or blow fuse.

3. Connect machine to power supply.

4. Use ON/OFF switch to turn machine ***ON*** (see **Figure 16**), verify motor operation, and then turn machine ***OFF***.

   Motor should run smoothly and without unusual problems or noises.

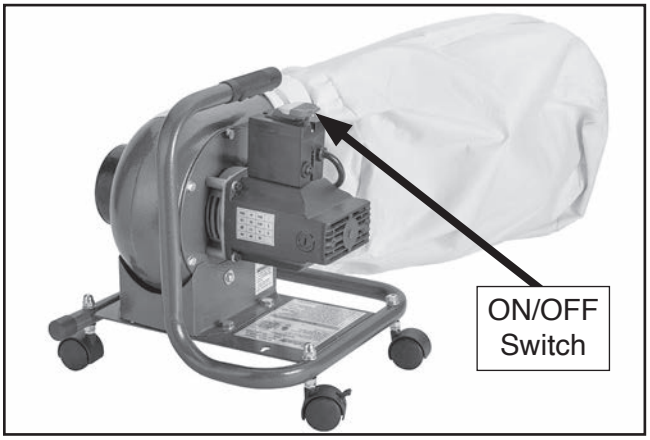


Figure 16. Location of ON/OFF switch.

5. Remove switch disabling key from ON/OFF switch, as shown in **Figure 17**.

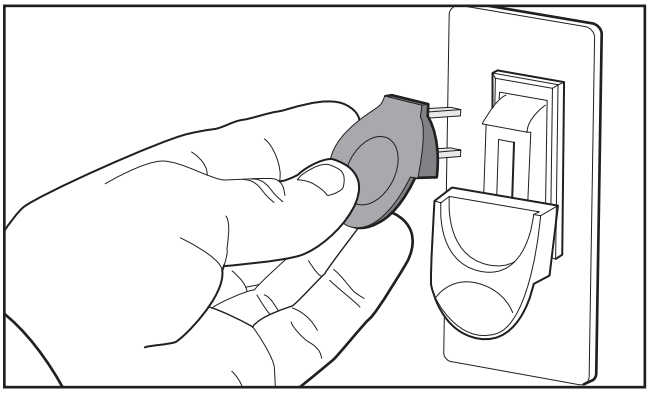


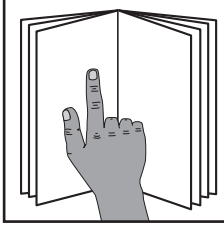
Figure 17. Removing switch disabling key from paddle switch.

6. Try to start machine with paddle switch. Machine should not start.

   — If machine *does not* start, switch disabling feature is working as designed.

   — If machine *does* start, immediately stop the machine. Switch disabling feature is not working correctly. This safety feature must work properly before proceeding with regular operations. Call Tech Support for help.

SECTION 4: OPERATIONS

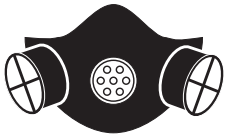


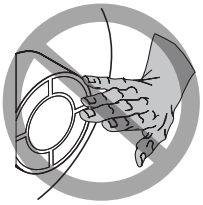
⚠WARNING

To reduce your risk of serious injury, read this entire manual BEFORE using machine.

⚠WARNING

To reduce risk of eye injury from flying chips or lung damage from breathing dust, always wear safety glasses and a respirator when operating this machine.





⚠WARNING

DO NOT put hands or small objects near inlet opening during operation. Objects sucked into inlet will meet with impeller blade. Failure to heed this warning could result in personal injury or property damage.

⚠WARNING

Never place dust collector in room with open flames or pilot lights. There is a risk of explosion if too much fine dust is dispersed into air with open flame present.

NOTICE

If you are not experienced with this type of machine, WE STRONGLY RECOMMEND that you seek additional training outside of this manual. Read books/magazines or get formal training before beginning any projects. Regardless of the content in this section, Grizzly Industrial will not be held liable for accidents caused by lack of training.

General

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.

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

1. Positions machine near dust collector and uses appropriate ducting to connect machine to dust collector.
2. Connects ducting ground.
3. Turns woodworking machine ***ON***, then turns dust collector ***ON***.
4. Performs woodworking operation.
5. Turns woodworking machine ***OFF***, then turns dust collector ***OFF***.

Tips for Optimum Performance

- Keep duct between dust collector and machine as short as possible. We do not recommend using more than 10' of ducting. The simpler the system, the more efficient and less costly it will be.
- Ridges inside flexible hose greatly increase static pressure loss, which reduces suction performance.
- Keep ducting directional changes to a minimum. The more curved fittings you use, the greater the loss of suction at woodworking machine.
- Gradual directional changes are more efficient than sudden directional changes (i.e., use 45° elbows in place of 90° elbows whenever possible).

SECTION 5: ACCESSORIES

⚠WARNING

Installing unapproved accessories may cause machine to malfunction, resulting in serious personal injury or machine damage. To reduce this risk, only install accessories recommended for this machine by Grizzly.

NOTICE

Refer to our website or latest catalog for additional recommended accessories.

D4206—Clear Flexible Hose 4" x 10'
W1317—Wire Hose Clamp 4"
W2046—Shop Vacuum Adapter 2 ½" x 2 ½"
W1044—Dust Collection Adapter 2 ½" x 4"
W1053—Grounding Kit
W1007—Plastic Blast Gate 4"
We've hand picked a selection of dust collection components commonly needed to connect the Model T33587 to basic machinery.

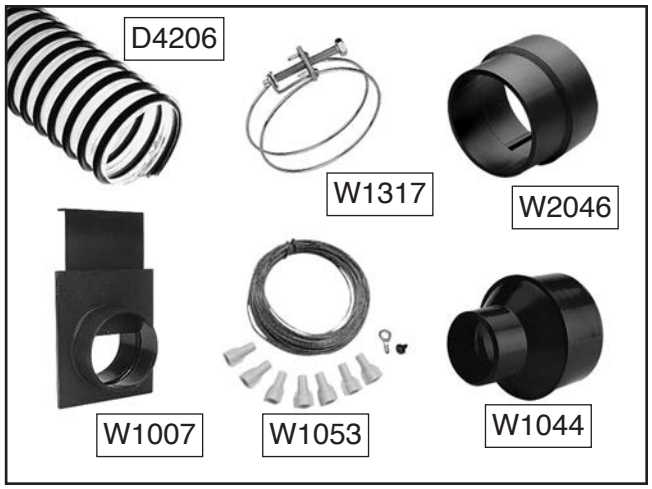


Figure 18. Dust collection accessories.

G2752—Rolling Floor Sweep
12" wide nozzle and free-standing tripod. Fitting on the head will accept 4" hose (not included).

Figure 19. G2752 Rolling Floor Sweep.

W1054—Dust Collection Kit #1
Designed for a one machine hook-up, kit #1 comes complete with installation instructions and an accessories list for expanding your dust collection system in the future.

Figure 20. W1054 Dust Collection Kit #1.

T30024—Powered Respirator Kit
Breathing wood dust could cause severe respiratory illnesses. This kit is a lightweight, comfortable, and easy-to-carry device for protecting the airways from small particulates.

Figure 21. T30024 Powered Respirator Kit.

T33948—2.5-Micron Filter Bag
For use with the T33587. This non-woven 2.5-micron rated filter bag includes a zipper at the bottom of the bag for easy disposal of your dust and debris.

Figure 22. T33948 2.5-Micron Filter Bag.

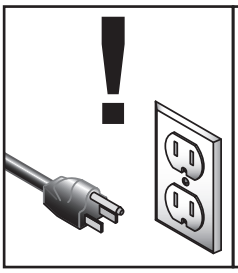
W1039—Universal Adapter, 9½"L x 6"W x 6"D
Seven-step adapter provides a multitude of dust collection reducing options. Simply cut away unneeded steps with a hacksaw. Outside diameter step sizes include 1", 2", 2½", 3", 4", 5" and 6". Wall thickness is ⅛".

Figure 23. W1039 Universal Adapter.

G1029Z2P—2 HP Dust Collector with Aluminum Impeller - Polar Bear Series
This 2 HP dust collector with aluminum impeller is designed to capture dust and wood chips from woodworking machines. The G1029Z2P has an air suction capacity of 1550 CFM, and it features a 2.5-micron top bag to capture the fine dust particles that normally end up all over your shop.

Figure 24. G1029Z2P Dust Collector with Aluminum Impeller - Polar Bear Series.

SECTION 6: MAINTENANCE



⚠WARNING

To reduce risk of shock or accidental startup, always disconnect machine from power before adjustments, maintenance, or service.

Schedule

For optimum performance from this machine, this maintenance schedule must be strictly followed.

Ongoing

To minimize your risk of injury and maintain proper machine operation, shut down the machine immediately if you ever observe any of the items below, and fix the problem before continuing operations:

- Loose mounting bolts.
- Damaged filter bag.
- Worn or damaged wires.
- Full filter bag.
- Any other unsafe condition.

Weekly Maintenance

- Clean/vacuum dust buildup off machine body and motor.

Lubrication

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

Machine Storage

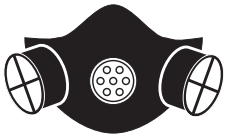
When the dust collector is not in use, unplug the power cord from the power source. Place the cord away from potential damage sources, such as high traffic areas, sharp objects, heat sources, harsh chemicals, water, damp areas, etc.

Emptying Filter Bag

Always empty the filter bag when it is about ½ full. Emptying the filter 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 filter bag. Small dust particles can escape the bag 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.

⚠WARNING

To reduce risk of eye injury from flying chips or lung damage from breathing dust, always wear safety glasses and a respirator when emptying or replacing filter bag.



To empty filter bag:

1. DISCONNECT MACHINE FROM POWER!
2. Unzip bag over suitable container located away from open flames or pilot lights.
3. Zip bag shut.

Replacing Filter Bag

With normal wear and use the filter bag will eventually need to be replaced. There is no specific determination for replacement intervals, but bags generally last between 1 and 3 years depending on use.

Replacement Filter Bag..... Model T33948

Replace filter bag when:
- There is a lack of airflow and reduced dust collection performance.
- Holes form in filter bag.
- Filter bag is accidently washed.
- Filter bag contaminated with bacteria or mold.

Tightening Impeller

Periodically check the impeller to make sure it is tight on the motor shaft. Any unusual vibration or noise may be an indication the impeller has loosened.

Tool Needed	**Qty**
Open-End Wrench 13mm	1

To tighten impeller:

1. DISCONNECT MACHINE FROM POWER!

2. Remove inlet.

3. Tighten impeller hex nut as necessary (see **Figure 25**).

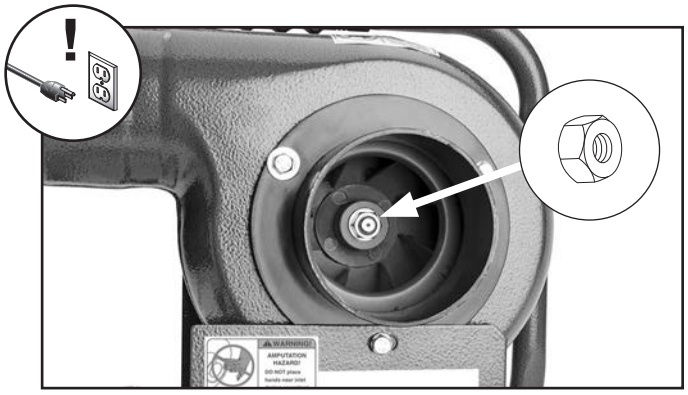


Figure 25. Impeller hex nut location.

4. Install inlet.

Checking/Replacing Motor Brushes

The model T33587 is equipped with two long-life carbon brushes—one on each side of the motor. The brush life is affected by motor loads and usage. Worn brushes will result in intermittent operation and difficulty starting the motor. If either brush is worn down to ¼" (6mm) or less, replace both brushes as a set.

Items Needed	**Qty**
Flat Head Screwdriver ½"	1
Motor Brushes (PT33587038)	2

To check/replace motor brushes:

1. DISCONNECT MACHINE FROM POWER!

2. Unscrew plastic brush covers, and remove motor brush assemblies (see **Figure 26**).

Note: *As you remove brush assembly, make note of carbon tip orientation. If acceptable, re-install in same way.*

Figure 26. Brush cover location.

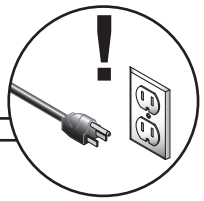
3. Measure length of carbon tip. If carbon tip is worn down to ¼" (6mm) or less, replace both brush assemblies with new ones.

4. Insert brush assemblies back into motor, and re-install plastic caps.

SECTION 7: SERVICE

Review the troubleshooting procedures in this section if a problem develops with your machine. If you need replacement parts or additional help with a procedure, call our Technical Support. **Note:** *Please gather the serial number and manufacture date of your machine before calling.*

Troubleshooting



Motor & Electrical

Symptom	Possible Cause	Possible Solution
Machine does not start, or power supply breaker immediately trips after startup.	1. Switch disabling key removed. 2. Machine circuit breaker tripped or at fault. 3. Incorrect power supply voltage or circuit size. 4. Power supply circuit breaker tripped or fuse blown. 5. Wiring broken, disconnected, or corroded. 6. Motor brushes worn out. 7. ON/OFF switch at fault. 8. Motor or motor bearings at fault.	1. Install switch disabling key (**Page 20**). 2. Reset circuit breaker on switch (**Page 4**). 3. Ensure correct power supply voltage and circuit size (**Page 10**). 4. Ensure circuit is free of shorts. Reset circuit breaker (**Page 4**). 5. Fix broken wires or disconnected/corroded connections. 6. Remove/replace brushes (**Page 25**). 7. Replace switch. 8. Replace motor.
Machine stalls or is underpowered.	1. Dust collection ducting problem. 2. Filter bag clogged/at fault. 3. Motor brushes worn out. 4. Dust collector undersized. 5. Motor overheated, tripping machine circuit breaker. 6. Extension cord too long. 7. Motor or motor bearings at fault.	1. Clear blockages, seal leaks, use smooth wall duct, eliminate bends (**Page 21**). 2. Empty and clean filter bag (**Page 25**). 3. Remove/replace brushes (**Page 25**). 4. Move closer to machine/upgrade to larger dust collector. 5. Clean motor, let cool, and reduce workload. Reset breaker (**Page 4**). 6. Move machine closer to power supply; use shorter extension cord (**Page 11**). 7. Replace motor.
Machine has vibration or noisy operation.	1. Motor or component loose. 2. Mobile stand fasteners loose or casters not adjusted properly. 3. Motor bearings at fault.	1. Replace damaged or missing bolts/nuts or tighten if loose. 2. Tighten mobile stand fasteners/adjust casters. 3. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement.

Operation

Symptom	Possible Cause	Possible Solution
Loud, repetitious noise, or excessive vibration coming from dust collector (non-motor related).	1. Dust collector not on flat surface and wobbles/casters not locked. 2. Swivel caster fasteners loose or not installed properly. 3. Machine incorrectly mounted to wall/mounted unevenly. 4. Impeller damaged and unbalanced. 5. Impeller loose on motor shaft.	1. Stabilize dust collector; lock casters. 2. Tighten fasteners or re-install casters. 3. Tighten/replace mounting hardware. 4. Disconnect dust collector from power; inspect impeller for cracks or damage; replace impeller if damaged. 5. Secure impeller (**Page 25**); replace motor and impeller as a set if motor shaft and impeller hub are damaged.
Dust collector does not adequately collect dust or chips; poor performance.	1. Filter bag full. 2. Ducting blocked/restricted. 3. Dust collector too far away from point of suction; duct clamps not properly secured; too many sharp bends in ducting. 4. Wood wet/green and dust not flowing smoothly through ducting. 5. Ducting has one or more leaks. 6. Ducting and ports are incorrectly sized. 7. Dust collector undersized.	1. Empty filter bag (**Page 24**). 2. Remove ducting from dust collector inlet and unblock restriction. A plumbing snake may be necessary. 3. Relocate dust collector closer to point of suction; re-secure duct; remove sharp bends (**Page 21**). 4. Only collect dust from wood with less than 20% moisture content. 5. Seal/eliminate ducting leaks. 6. Install correctly sized ducts and fittings (**Page 19**). 7. Upgrade to larger dust collector.
Emptying filter bag does not improve dust collection performance.	1. Filter bag clogged and at end of life.	1. Replace filter bag (**Page 25**).
Dust collector blows sawdust into the air.	1. Filter bag not properly clamped and secured. 2. Filter bag has hole(s).	1. Secure filter bag, making sure filter bag clamp is tight. (**Page 16**). 2. Replace filter bag (**Page 25**).

SECTION 8: WIRING

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 (570) 546-9663 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
Wiring Safety Instructions

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!

MODIFICATIONS. Modifying the wiring beyond what is shown in the diagram may lead to unpredictable results, including serious injury or fire. This includes the installation of unapproved aftermarket parts.

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.

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

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.

MOTOR WIRING. The motor wiring shown in these diagrams is current at the time of printing but may not match your machine. If you find this to be the case, 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.

EXPERIENCING DIFFICULTIES. If you are experiencing difficulties understanding the information included in this section, contact our Technical Support at (570) 546-9663.

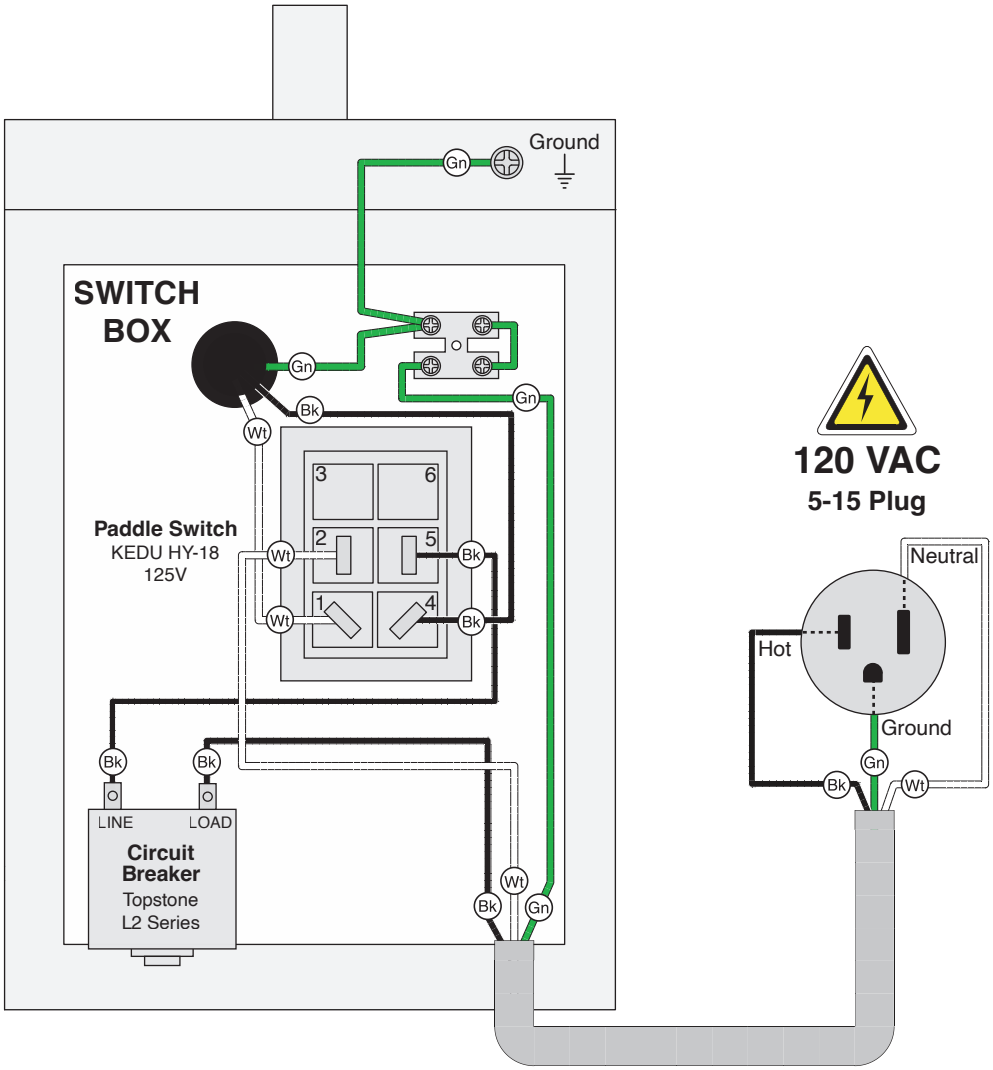
NOTICE

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

COLOR KEY

BLACK	Bk	BLUE	Bl	YELLOW	Yl	LIGHT BLUE	Lb
WHITE	Wt	BROWN	Br	YELLOW GREEN	Yg	BLUE WHITE	Bw
GREEN	Gn	GRAY	Gy	PURPLE	Pu	TURQUOISE	Tu
RED	Rd	ORANGE	Or	PINK	Pk		

Wiring Diagram



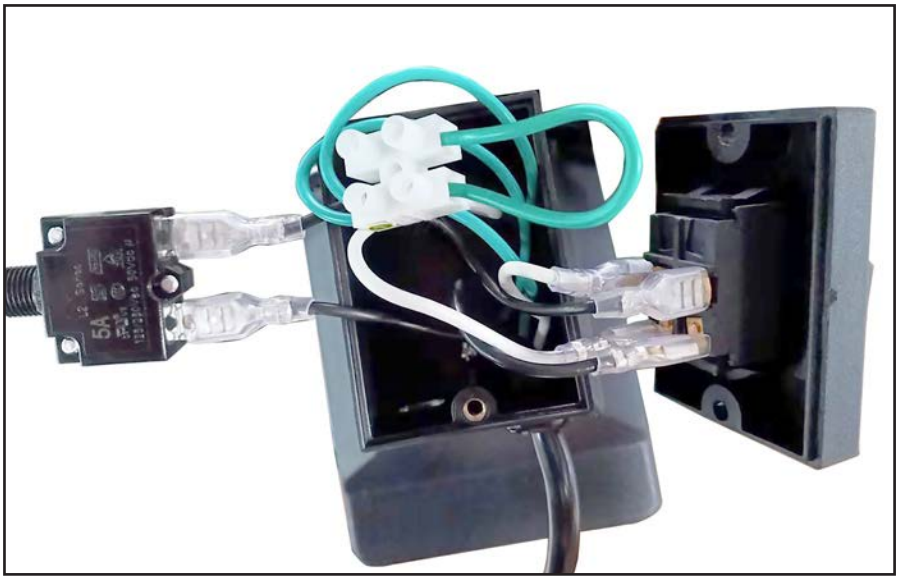
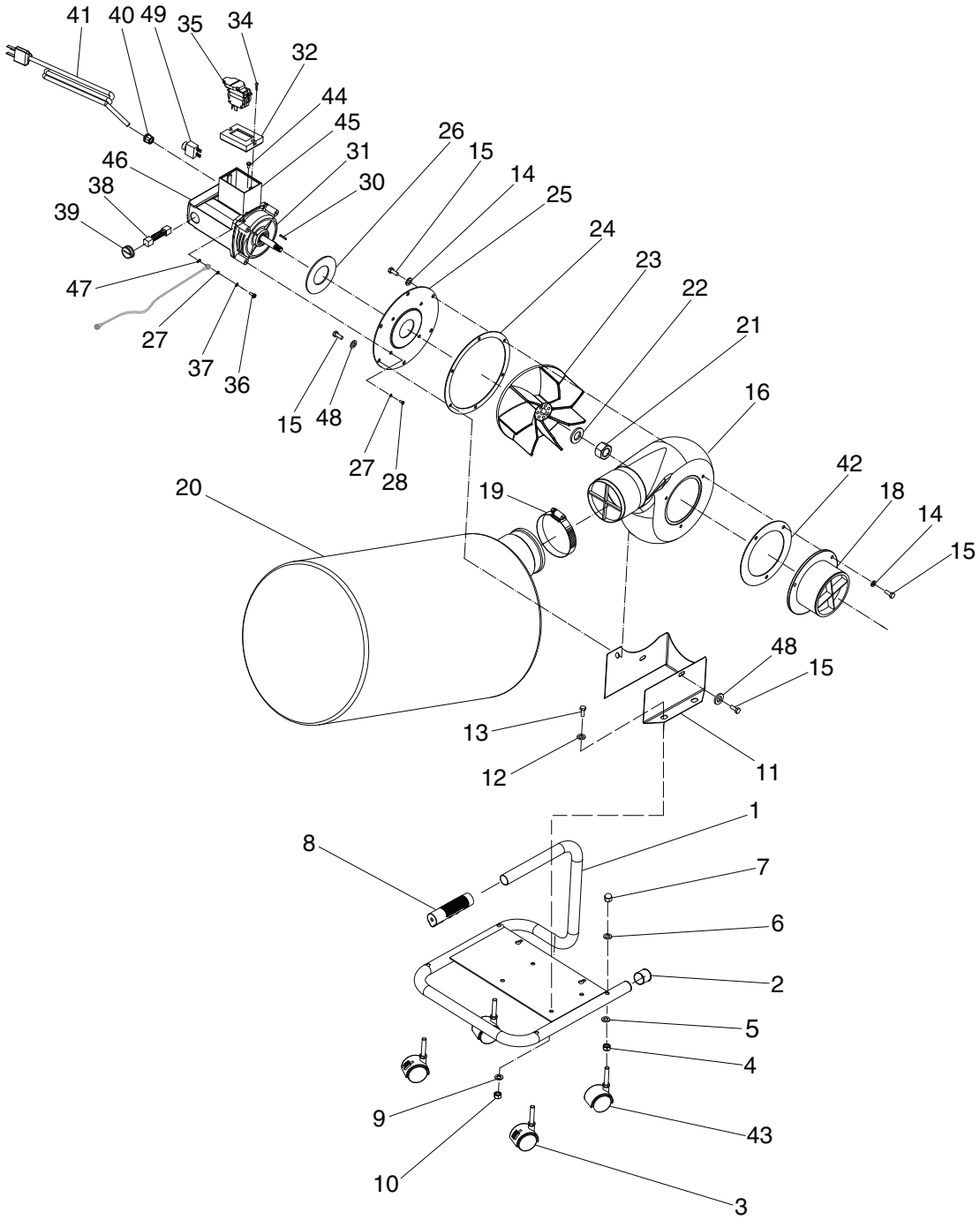


Figure 27. Switch box wiring.

SECTION 9: PARTS

We do our best to stock replacement parts when possible, but we cannot guarantee that all parts shown are available for purchase. Call **(800) 523-4777** or visit **www.grizzly.com/parts** to check for availability.

Main

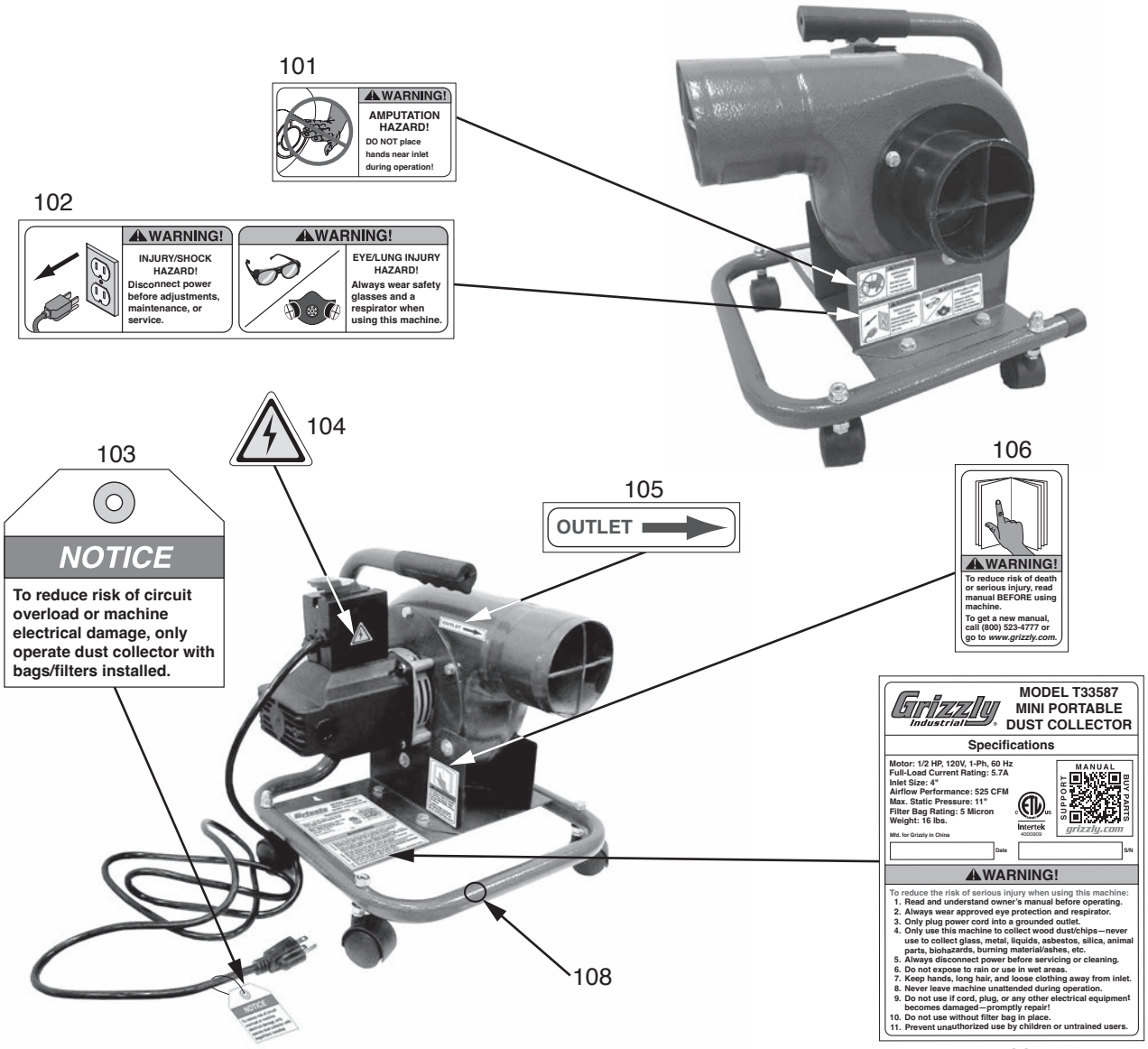


Main Parts List

REF	PART #	DESCRIPTION
1	PT33587001	FRAME
2	PT33587002	END CAP
3	PT33587003	CASTER 2" LOCKING
4	PT33587004	HEX NUT M8-1.25
5	PT33587005	FLAT WASHER 8MM
6	PT33587006	FLAT WASHER 8MM
7	PT33587007	ACORN NUT M8-1.25
8	PT33587008	HANDLE GRIP
9	PT33587009	FLAT WASHER 8MM
10	PT33587010	HEX NUT M8-1.25
11	PT33587011	COLLECTOR BRACKET
12	PT33587012	FLAT WASHER 8MM
13	PT33587013	HEX BOLT M8-1.25 X 16
14	PT33587014	FLAT WASHER 6MM
15	PT33587015	HEX BOLT M6-1 X 14
16	PT33587016	COLLECTOR BODY
18	PT33587018	INLET 4"
19	PT33587019	BAG CLAMP 4"
20	PT33587020	FILTER BAG 2.5 MICRON
21	PT33587021	HEX NUT M10-1.5
22	PT33587022	FLAT WASHER 10MM
23	PT33587023	IMPELLER 6" NYLON
24	PT33587024	GASKET 160 X 184 X 1.5

REF	PART #	DESCRIPTION
25	PT33587025	MOTOR FLANGE
26	PT33587026	GASKET 42 X 83 X 2.5
27	PT33587027	LOCK WASHER 5MM
28	PT33587028	HEX BOLT M5-.8 X 10
30	PT33587030	KEY 4 X 4 X 20
31	PT33587031	MOTOR MOUNT
32	PT33587032	SWITCH COVER
34	PT33587034	PHLP HD SCR M3-.5 X 12
35	PT33587035	PADDLE SWITCH KEDU HY18 125V
36	PT33587036	PHLP HD SCR M5-.8 X 20
37	PT33587037	LOCK WASHER 5MM
38	PT33587038	MOTOR BRUSH
39	PT33587039	COVER
40	PT33587040	STRAIN RELIEF TYPE-5/16
41	PT33587041	POWER CORD 90" 5-15P 3W
42	PT33587042	GASKET 102 X 128 X 1.5
43	PT33587043	CASTER 2" SWIVEL
44	PT33587044	TAP SCREW M4 X 10
45	PT33587045	SWITCH BOX
46	PT33587046	MOTOR 1HP 120V 1/2-PH
47	PT33587047	FLAT WASHER 5MM
48	PT33587048	FENDER WASHER 6MM
49	PT33587049	CIRCUIT BREAKER TOPSTONE TC-1

Labels & Cosmetics



REF	PART #	DESCRIPTION
101	PT33587101	AMPUTATION HAZARD LABEL
102	PT33587102	COMBO WARNING LABEL
103	PT33587103	NOTICE HANG TAG
104	PT33587104	ELECTRICITY LABEL

REF	PART #	DESCRIPTION
105	PT33587105	OUTLET LABEL
106	PT33587106	READ MANUAL LABEL
107V2	PT33587107V2	MACHINE ID LABEL V2.04.24
108	PT33587108	TOUCH-UP PAINT, GRIZZLY GREEN

⚠WARNING

Safety labels help reduce the risk of serious injury caused by machine hazards. If any label comes off or becomes unreadable, the owner of this machine MUST replace it in the original location before resuming operations. For replacements, contact (800) 523-4777 or www.grizzly.com.

WARRANTY & RETURNS

Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly'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 or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly 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.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards and we hope you never need to use this warranty.

In the event you need to use this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Number," which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

Please feel free to write or call us if you have any questions about the machine or the manual.

Thank you again for your business and continued support. We hope to serve you again soon.

For further information about the warranty, visit **https://www.grizzly.com/forms/warranty** or scan the QR code below to be automatically directed to our warranty page.

WARRANTY

grizzly.com