

Grizzly **Industrial, Inc.**®

MODEL G0798 **24" X 62" METALWORKING** **DOWNDRAFT TABLE** **OWNER'S MANUAL** *(For models manufactured since 4/20)*



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**WARNING: NO PORTION OF THIS MANUAL MAY BE REPRODUCED IN ANY SHAPE
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#MC17817 PRINTED IN TAIWAN

V3.12.20



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

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.

		MODEL GXXXX MACHINE NAME	
SPECIFICATIONS		▲ WARNING!	
Motor:	To reduce risk of serious injury when using this machine:		
Specification:	Read manual before operation.		
Specification:	Wear safety glasses and respirator.		
Specification:	Ensure safety is correctly adjusted/setup and		
Specification:	power is connected to grounded circuit before starting.		
Weight:	4. Make sure the motor has stopped and disconnect		
	power before adjustments, maintenance, or service.		
	5. DO NOT expose to rain or dampness.		
	6. DO NOT modify this machine in any way.		
	7.		
	8.		
	9. Do not use while tired, drowsy, or under the influence of drugs or alcohol.		
	10. Maintain machine carefully to prevent accidents.		
Manufactured for Grizzly in Taiwan			

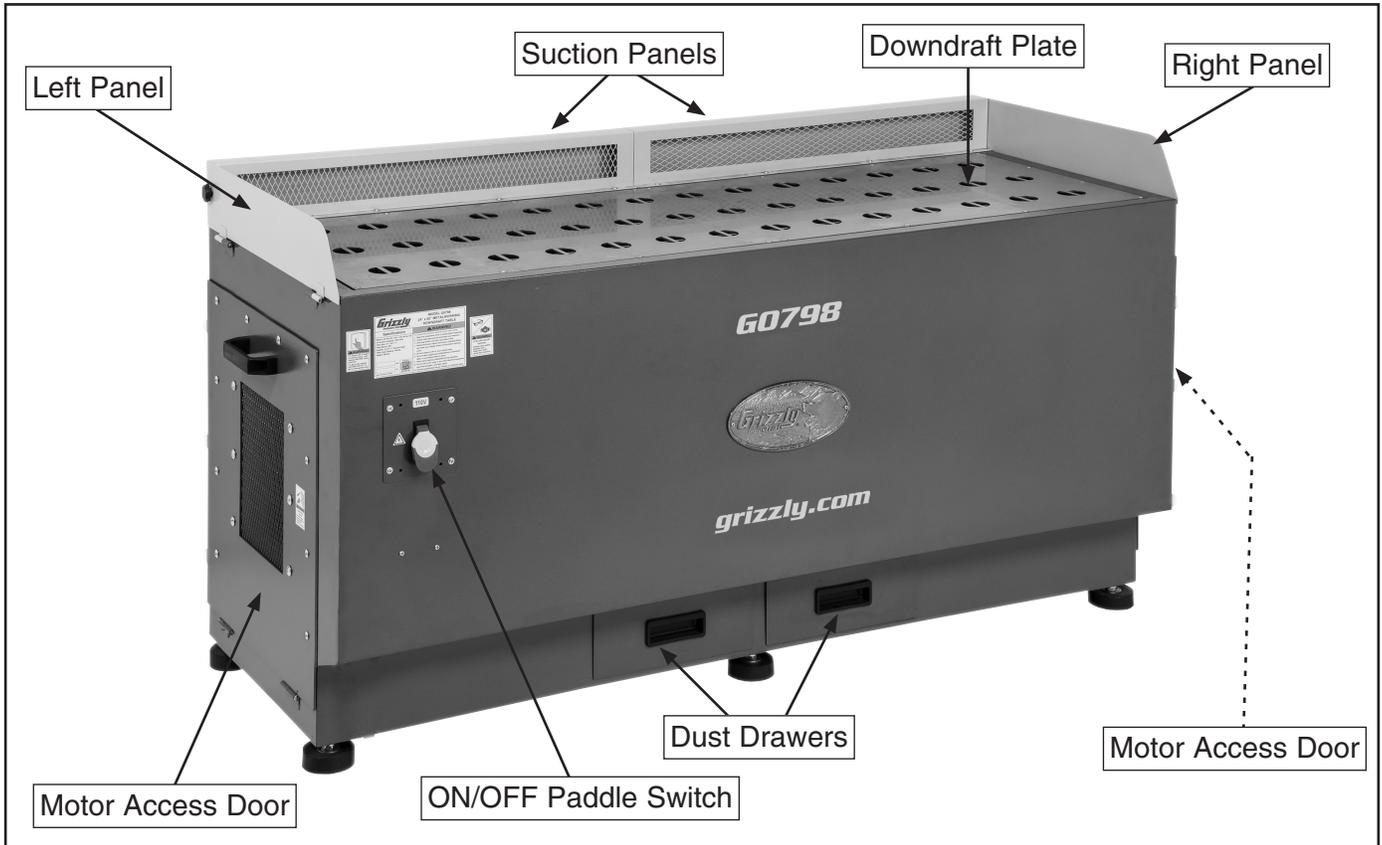
Manufacture Date

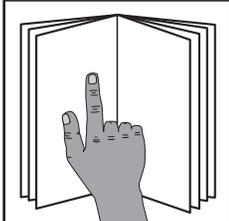
Serial Number



Identification

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



	<p>⚠ WARNING To reduce your risk of serious injury, read this entire manual BEFORE using machine.</p>
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MACHINE DATA SHEET

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

MODEL G0798 24" X 62" METALWORKING DOWNDRAFT TABLE

Product Dimensions:

Weight..... 300 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 65 x 24 x 33-1/2 in.
Footprint (Length x Width)..... 62 x 21 in.

Shipping Dimensions:

Type..... Cardboard Box on Wood Pallet
Content..... Machine
Weight..... 349 lbs.
Length x Width x Height..... 64 x 28 x 34 in.
Must Ship Upright..... No

Electrical:

Power Requirement..... 110V, Single-Phase, 60 Hz
Full-Load Current Rating..... 12A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 14 AWG
Plug Included..... Yes
Included Plug Type..... 5-15
Switch Type..... Paddle Safety Switch w/Removable Key

Motors:

Main #1

Horsepower..... 3/4 HP
Phase..... Single-Phase
Amps..... 6A
Speed..... 1150 RPM
Type..... TENV Capacitor-Start Induction
Power Transfer Direct Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A

Main #2

Horsepower..... 3/4 HP
Phase..... Single-Phase
Amps..... 6A
Speed..... 1150 RPM
Type..... TENV Capacitor-Start Induction
Power Transfer Direct Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... N/A



Operation Info

Air Suction Capacity.....	3700 CFM (1850 CFM X 2)
Filter Micron.....	200
Filter Efficiency.....	90%
Impeller Type.....	Squirrel Cage
Impeller Size.....	9-1/2 x 7 in.
Inlet Hole Diameter.....	8 in.
Outlet Size.....	10 x 8 in.

Filter Info

Number of Filters.....	4
Filter Length.....	20 in.
Filter Width.....	16 in.
Filter Thickness.....	1 in.

Table Info

Table Size Length.....	61-1/2 in.
Table Size Width.....	23-3/4 in.
Floor to Table Height.....	29-1/2 in.
Table Load Capacity.....	440 lbs.

Construction Info

Impeller.....	Steel
Table.....	Formed Steel
Table Inserts.....	Stainless Steel
Paint Type/Finish.....	Powder Coated

Other Specifications:

Country of Origin	Taiwan
Warranty	1 Year
Approximate Assembly & Setup Time	15 Minutes
Serial Number Location	ID Label on Front of Machine
Sound Rating	78 dB
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features:

- Equipped with Two Heavy-Duty Motors
- Two Easy-to-Clean Dust Drawers
- Designed to Accommodate Metal Sanding, Grinding, Soldering, and Polishing Applications
- Dual 9-1/2" x 7" Squirrel Cage Fans
- Durable Powder-Coated Finish
- Quiet Operation
- 1/8" Thick Steel Table Inserts
- Adjustable, Vibration-Dampening Rubber Feet
- 440 lb. Table Load Capacity



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 clothing, apparel 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 Downdraft Tables

WARNING

Long-term respiratory damage, cancer, or birth defects can occur from using this machine without proper use of a respirator. Explosions or fire can result if machine is used to capture incorrect materials or dust/waste material is exposed to an ignition source. To reduce these risks, operator and bystanders MUST completely heed the warnings below.

USE FOR INTENDED PURPOSE. This downdraft table is designed to capture sparks and particles created while grinding certain metals. DO NOT use it to capture materials made from wood or wood products, lead, magnesium, asbestos, crystalline silica, gypsum, or any other non-metal products. DO NOT use it to capture welding fumes, gasses, vapors, liquids, or smoke.

WEAR PROPER PPE. Dust created from cutting, grinding, sanding, etc. may cause cancer, birth defects, or long-term respiratory damage. Be aware of the dust hazards, exposure limits, and toxicity associated with each type of workpiece material. Very fine dust/particles are unlikely to be captured and may become airborne in the work area. Anyone working with or around this machine MUST wear a NIOSH-approved respirator rated for the workpiece material.

TOXIC METALS. Exposure (or over-exposure) to certain types of metal dusts or fumes can result in serious, potentially deadly health effects. To reduce this risk, research toxic effects of metal types you work with and always seek to minimize/eliminate exposure to yourself and others.

CLEANING DRAWERS. Wear safety glasses and a NIOSH-approved respirator rated for the waste metal type when emptying and cleaning drawers. Empty only into an approved container, taking care to minimize amount of dust allowed to become airborne and prevent spread onto hands or clothing. Dispose of waste properly.

HIGH-HAZARD MATERIAL. This machine does NOT protect against highly hazardous materials, such as lead dust, asbestos fibers, or radioactive particles. These materials MUST be collected with special filtration equipment because of their high health/contamination hazard and difficulty of filtration. DO NOT attempt to collect such materials with this machine.

SAFE OPERATING LOCATION. DO NOT place downdraft table where it can be exposed to rain or moisture exposure to water creates a shock hazard and will reduce life of machine.

RISK OF FIRE/EXPLOSIONS. Fine metal dust particles can ignite, depending on material type and circumstances. Keep machine away from pilot lights, open flames, or other ignition sources. NEVER use near chemical fumes or within an enclosed spray booth. NEVER use to capture magnesium particles—as these particles can ignite from exposure to water/moisture.

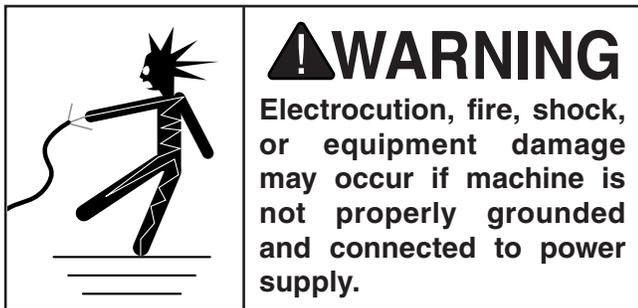
PROPERLY MAINTAIN MACHINE. Keep machine in proper working condition to help ensure all guards and other components work as intended and function safely. Perform routine inspections and all necessary maintenance, as indicated in owner's manual. Never operate machine with damaged or worn parts. Never operate machine with filters, guards, or covers removed.



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.



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 110V..... 12 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.

Circuit Information

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.*

Circuit Requirements for 110V

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



Grounding 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.

For 110V operation: This machine is equipped with a power cord that has an equipment-grounding wire and a grounding plug (see following figure). The plug must only be inserted into a matching receptacle (outlet) that is properly installed and grounded in accordance with all local codes and ordinances.

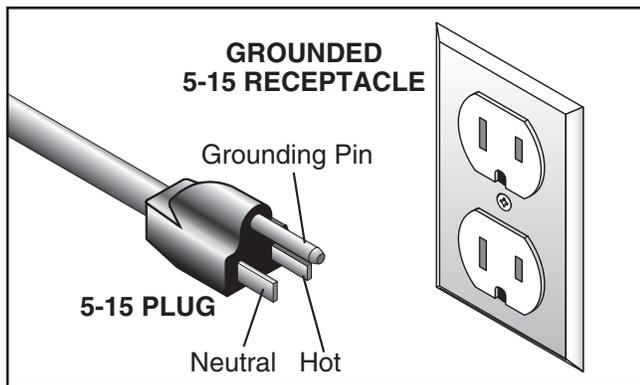


Figure 1. Typical 5-15 plug and receptacle.

⚠ 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.

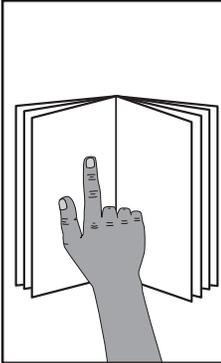
Extension cords cause voltage drop, which can damage electrical components and shorten motor life. Voltage drop increases as the extension cord size gets longer and the gauge size gets smaller (higher gauge numbers indicate smaller sizes).

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 14 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!



!WARNING

HEAVY LIFT!

Straining or crushing injury may occur from improperly lifting machine or some of its parts. To reduce this risk, get help from other people and use a forklift (or other lifting equipment) rated for weight of this machine.

Needed for Setup

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

Description	Qty
• Additional people.....	As Needed
• Safety Glasses (for each person).....	1
• Forklift.....	1
• Phillips Screwdriver #2.....	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.

Box 1 (Figure 2)	Qty
A. Main Housing (Not Shown)	1
B. Suction Panels	2
C. Handles	2
D. Hardware	2
—Phillips Head Screws M6-1 x 15	4
—Flange Screws M5-.8 x 10	16
—Star Knobs	2
E. Foot Pad Assemblies	6

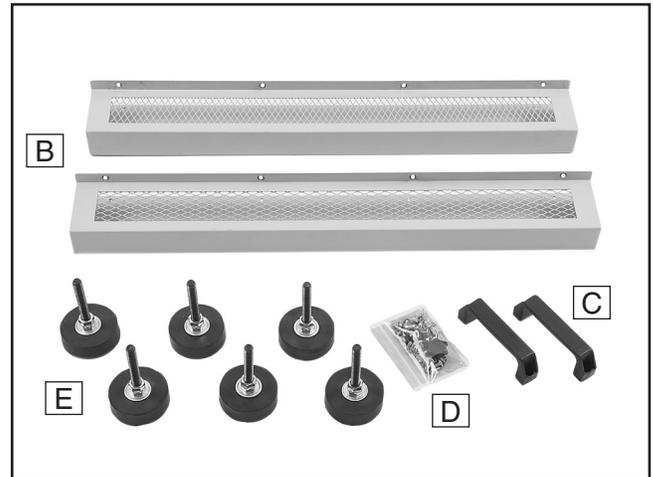


Figure 2. Parts and hardware inventory.

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.



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.**

Physical Environment

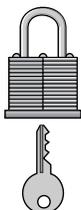
The physical environment where the machine is operated is important for safe operation and longevity of machine components. For best results, operate this machine in a dry environment that is free from excessive moisture, hazardous chemicals, airborne abrasives, or extreme conditions. Extreme conditions 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.

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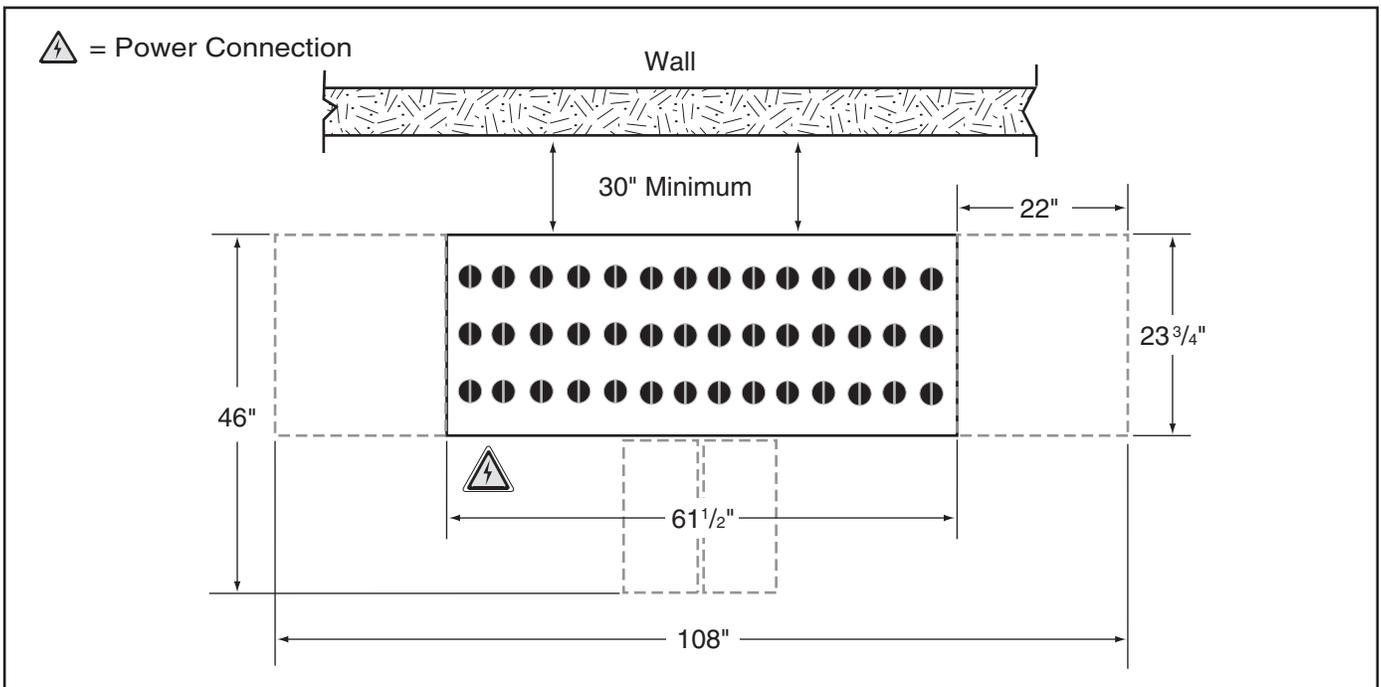
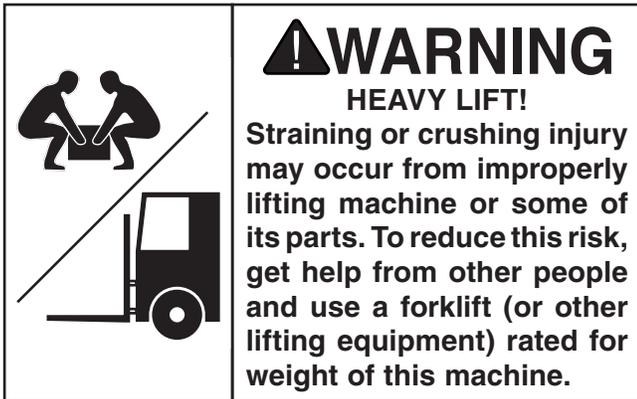


Figure 3. Minimum working clearances.



Lifting & Placing



Keep the machine on its pallet and use a forklift to place the machine next to its intended location. With the help of several people, lift downdraft table by bottom four corners and place into position on the floor (see **Figure 4**).



Figure 4. Lifting areas.

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 downdraft table:

1. With help from another person, lay back of downdraft table cabinet flat on floor.

Note: We recommend sweeping the floor clean and laying down a piece of cardboard or a blanket to prevent scratching the paint during first step.

2. Thread (6) foot pads into bottom of downdraft table, as shown in **Figure 5**.



Figure 5. Installing foot pads.

3. Return downdraft table to upright position so it rests on foot pads.
4. Ensure all six foot pads evenly touch floor. Rotate individual footpads to adjust as necessary.
5. Remove protective plastic wrapping and cardboard from left and right suction panels.



6. Install suction panels on rear of downdraft table so screens face forward (see **Figure 6**). Use (16) M5-.8 x 10 flange screws.

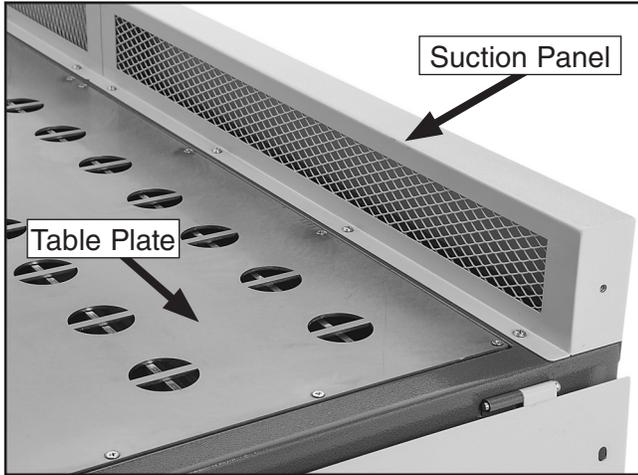


Figure 6. Installed suction panels.

7. Tilt right panel up and attach star knob. Repeat in similar manner on other side with remaining panel and star knobs (see **Figure 6**).
8. Using (4) M6-1 x 15 Phillips head screws, mount handles on motor access doors, as shown in **Figure 7**.

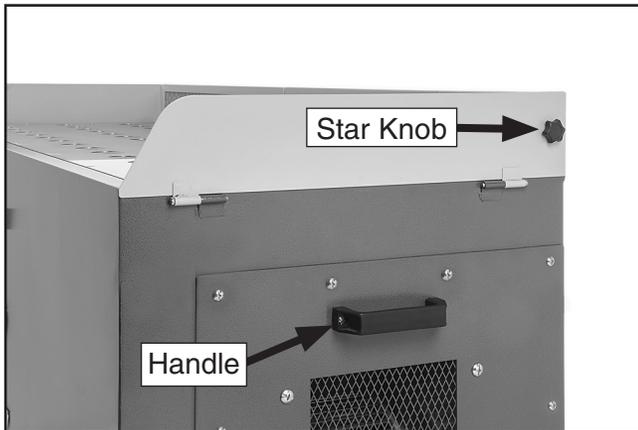


Figure 7. Star knob and handle installed.

Power Connection

After you have completed all previous setup instructions and circuit requirements, the machine is ready to be connected to the power supply.

To avoid unexpected startups or property damage, use the following steps whenever connecting or disconnecting the machine from the power

Connecting Power

1. Turn the machine power switch **OFF**.
2. Insert the power cord plug into a matching power supply receptacle. The machine is now connected to the power source.

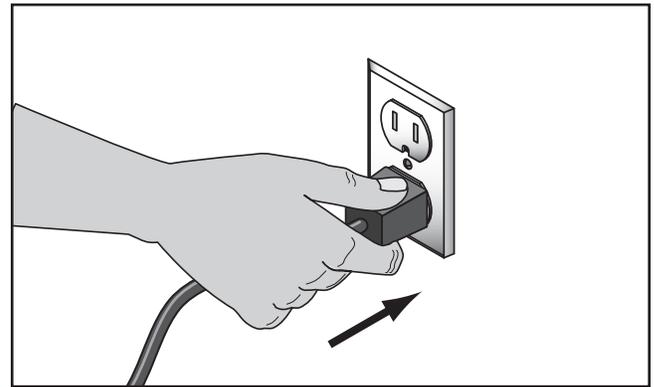


Figure 8. Connecting power.

Disconnecting Power

1. Turn the machine power switch **OFF**.
2. Grasp the molded plug and pull it completely out of the receptacle. **DO NOT** pull by the cord as this may damage the wires inside.

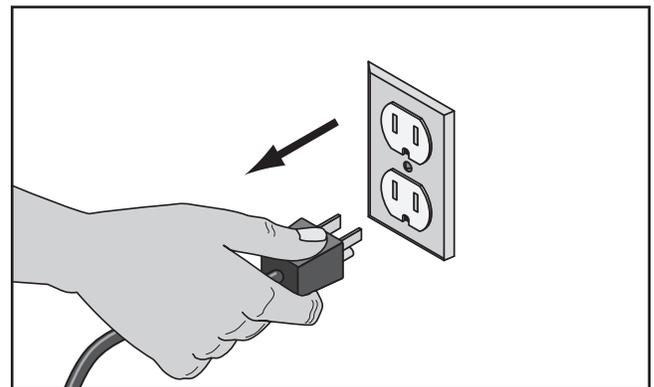


Figure 9. Disconnecting power.



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.

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 machine:

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

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

4. Remove switch-disabling key, as shown in **Figure 10**.

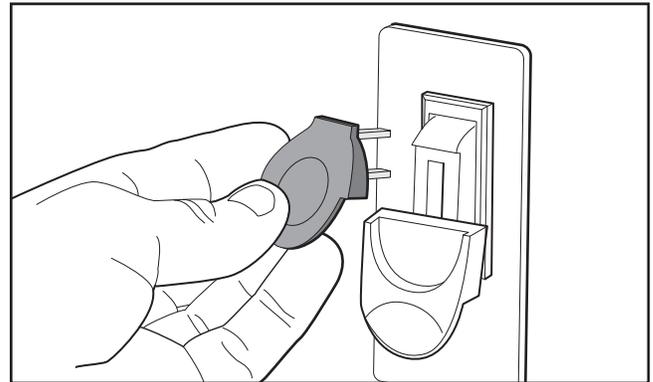
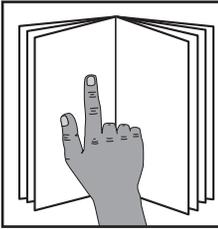


Figure 10. Removing switch key from paddle switch.

5. Try to start machine with paddle switch. The machine should not start.
 - If the machine *does not* start, the switch disabling feature is working as designed.
 - If the 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.



SECTION 4: OPERATIONS

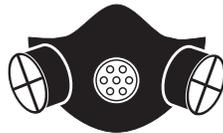


!WARNING

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.



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.

Operation

This downdraft table features two separate 3/4 HP, 110V, single-phase motors that draw dust from the work table into a two-stage filter system, virtually eliminating dust from the air. The side panels can be latched in place or folded down to make room for larger workpieces.

Dust is collected in two drawers that can be easily removed at the front of the machine.

Always ensure objects have not fallen into or between table plate and collection area. When machine is not in use, remove safety key from ON/OFF switch to avoid accidental start up.

To use downdraft table:

1. Place workpiece on table.
2. Place panels in upright position, latching them with star knobs or folding side panels down when working on larger pieces that extend beyond the table.
3. Turn downdraft table **ON** and perform operation (see **Figure 11**).
4. Turn downdraft table **OFF** when finished.

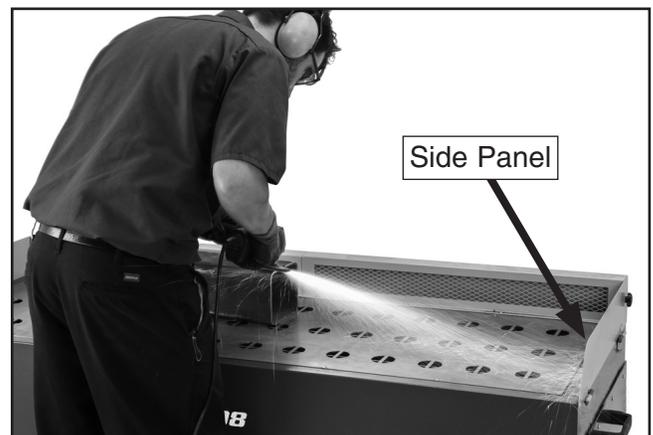


Figure 11. Typical grinding operation.



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.

T30299—20V 4½” Angle Grinder

T30299X—20V 4½” Angle Grinder w/Battery

T30299X1—20V 4½” Angle Grinder w/Battery and Charger

T30299X2—20V 4½” Angle Grinder w/2 Batteries and Charger

Clean, sharpen, cut, sand and polish with this handy tool. The Grizzly PRO™ Angle Grinder is a great tool for your home, shop or jobsite. It is powered by 2.0Ah Lithium-Ion batteries that are low profile and incredible lightweight for all day performance. The batteries can be used on all the Grizzly PRO™ hand power tools and are easily charged with a 2.4A Fast Charger.



Figure 12. T30299 20V 4½” Angle Grinder.

T27576—20" x 16" x 1" Metal Mesh Filter

A replacement metal mesh filter for the G0798 Downdraft Table. 2 pc.

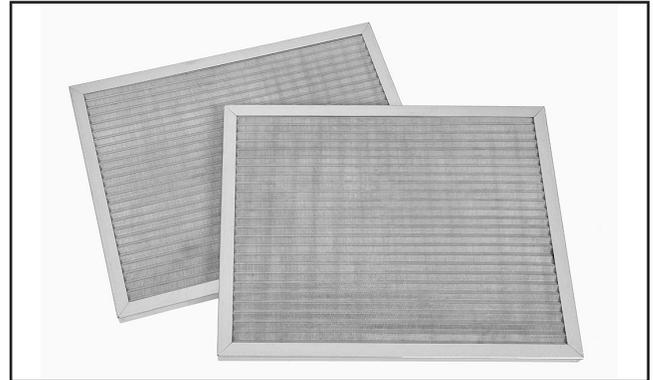


Figure 13. Model T27576 Metal Mesh Filter.

Basic Eye Protection

T20501—Face Shield Crown Protector 4"

T20502—Face Shield Crown Protector 7"

T20503—Face Shield Window

T20451—“Kirova” Clear Safety Glasses

T20452—“Kirova” Anti-Reflective S. Glasses

T20456—DAKURA Safety Glasses, Black/Clear



Figure 14. Assortment of basic eye protection.

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- H2499—Small Half-Mask Respirator**
- H3631—Medium Half-Mask Respirator**
- H3632—Large Half-Mask Respirator**
- H3635—Cartridge Filter Pair P100**

Metal dust has been linked to nasal cancer and severe respiratory illnesses. If you work around dust everyday, a half-mask respirator can be a lifesaver. Also compatible with safety glasses!



Figure 15. Half-mask respirator and disposable cartridge filters.

- H4978—Deluxe Earmuffs - 27dB**
- H4979—Twin Cup Hearing Protection - 29dB**
- T20446—Ear Plugs 200 Pair - 31dB**

Protect your hearing before it's too late. Especially important if you or employees operate for hours at a time.



Figure 16. Hearing Protection Assortment.

H8214—Air Body Saw

This Air Body Saw features a compact design and cuts sheet metal, rods, pipe, and light plate at 5000 strokes per minute with a 3/8" stroke length. It is 10" in length without a blade and features a safety paddle switch. Average air consumption is 2 CFM.



Figure 17. Model H8214 Air Body Saw.

T10456—Heavy-Duty Anti-Fatigue Mat

This Anti-Fatigue Mat features no-slip tread for safety and comfort. Open-hole design allows liquid to drain. Perfect for wet and oily conditions.

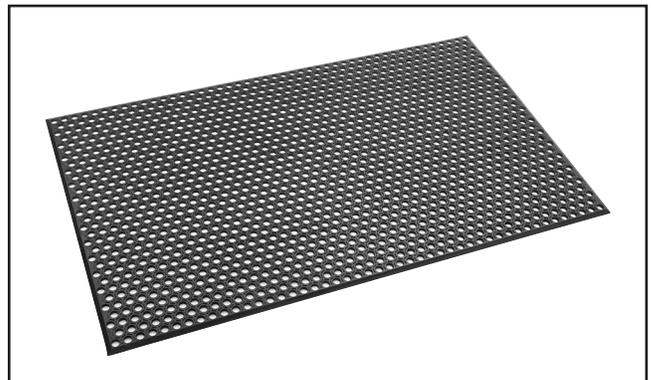


Figure 18. Model T10456 Anti-Fatigue Mat.

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SECTION 6: MAINTENANCE

Schedule

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

Daily Check

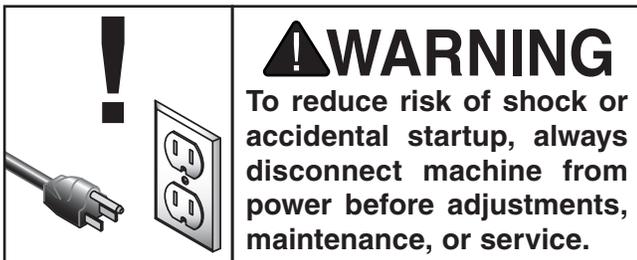
- Loose mounting bolts.
- Dust drawers
- Check/replace filters.
- Worn or damaged wires.
- Any other unsafe condition.

Monthly Check

- Clean/vacuum dust buildup from inside cabinet and off motors.

Cleaning & Protecting

Cleaning the Model G0798 is relatively easy. Vacuum excess dust and wipe off the remaining dust with a dry cloth.



Cleaning Dust Drawers

Frequently monitor and empty the dust drawers (see **Figure 19**).



Figure 19. Dust drawers.

! WARNING

Wear safety glasses and a NIOSH-approved respirator rated for the waste metal type when emptying and cleaning drawers. Empty only into an approved container, taking care to minimize amount of dust allowed to become airborne, and prevent spread onto hands or clothing. Dispose of waste properly.



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 a fuse/breaker trips.	<ol style="list-style-type: none"> 1. Plug/receptacle at fault/wired wrong. 2. Switch disabling key removed. 3. Incorrect power supply voltage or circuit size. 4. Power supply circuit breaker tripped or fuse blown. 5. ON/OFF switch at fault. 6. Start capacitor at fault. 	<ol style="list-style-type: none"> 1. Test for good contacts; correct the wiring. 2. Install switch disabling key. 3. Ensure correct power supply voltage and circuit size. 4. Ensure circuit is sized correctly and free of shorts. Reset circuit breaker or replace fuse. 5. Replace switch. 6. Test/replace.
Machine stalls or is underpowered.	<ol style="list-style-type: none"> 1. Filter element at fault. 2. Motor wired incorrectly. 3. Motor overheated. 4. Run capacitor at fault. 	<ol style="list-style-type: none"> 1. Filter element at fault. 2. Motor wired incorrectly. 3. Motor overheated. 4. Run capacitor at fault.
Machine has vibration or noisy operation.	<ol style="list-style-type: none"> 1. Motor or component loose. 2. Motor mount loose/broken. 3. Motor bearings at fault. 	<ol style="list-style-type: none"> 1. Inspect/replace damaged bolts/nuts, and retighten with thread locking fluid. 2. Tighten/replace. 3. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement.

Operations

Symptom	Possible Cause	Possible Solution
Downdraft table does not adequately collect dust; poor performance.	<ol style="list-style-type: none"> 1. Dust collection drawer is full. 2. Filter is dirty. 	<ol style="list-style-type: none"> 1. Empty collection drawers. 2. Knock dust off filter; replace with new filter.



Replacing Filters

The filters need to be replaced when suction becomes noticeably reduced. The amount of use has a direct bearing on how often you must change the filters.

!WARNING

Wear safety glasses and a NIOSH-approved respirator rated for the waste metal type when emptying and cleaning drawers. Empty only into an approved container, taking care to minimize amount of dust allowed to become airborne, and prevent spread onto hands or clothing. Dispose of waste properly.

Tools Needed:	Qty
A. Phillips Screwdriver #2	1
B. Wrench 13mm	1

To replace filters:

1. DISCONNECT MACHINE FROM POWER!
2. Remove table plate and all three support bars (see **Figure 20**).

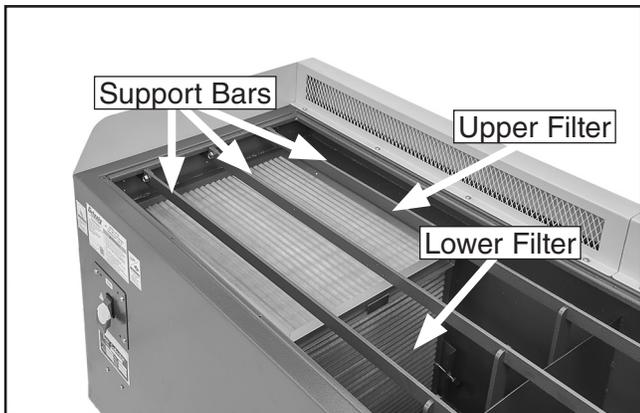


Figure 20. Support bars before removal.

3. Loosen filter knobs counterclockwise to remove lower filters (see **Figure 21**).

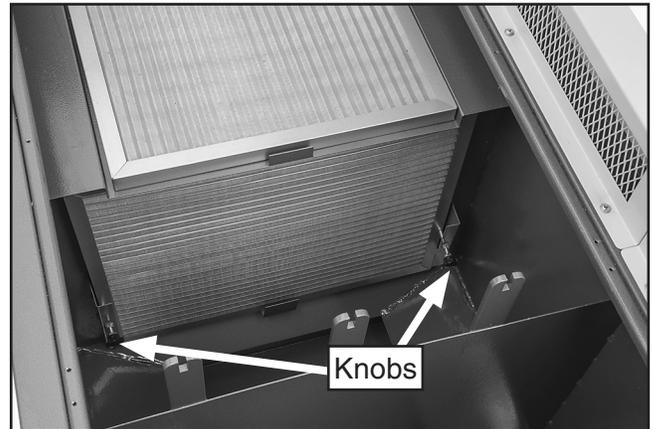


Figure 21. Lower filters secured by knobs.

4. Remove both filters and gently knock the dust off inside a garbage can.

Note: This technique will work two or three times before filters must be replaced.

5. Re-install filters. All four filters are identical in size and can be placed in any designated spaces.
6. Re-install filter knobs, support bars, and table plate.

!WARNING

Never operate machine with damaged or worn parts. Never operate machine with filters, guards, or covers removed.



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 after-market 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 	BLUE 	YELLOW 	LIGHT BLUE 
WHITE 	BROWN 	YELLOW GREEN 	BLUE WHITE 
GREEN 	GRAY 	PURPLE 	TURQUOISE 
RED 	ORANGE 	PINK 	



Electrical Components

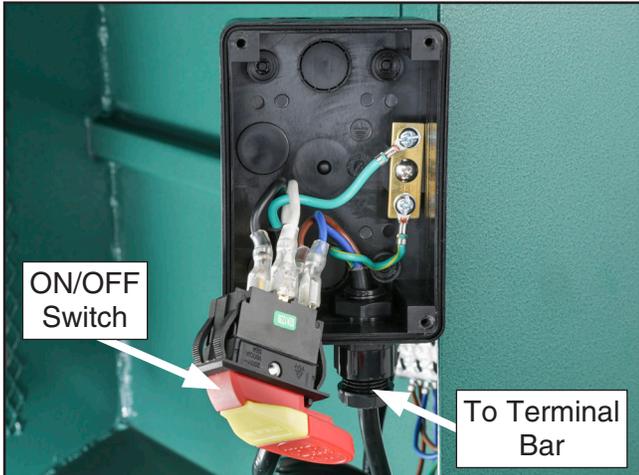


Figure 22. ON/OFF switch wiring.

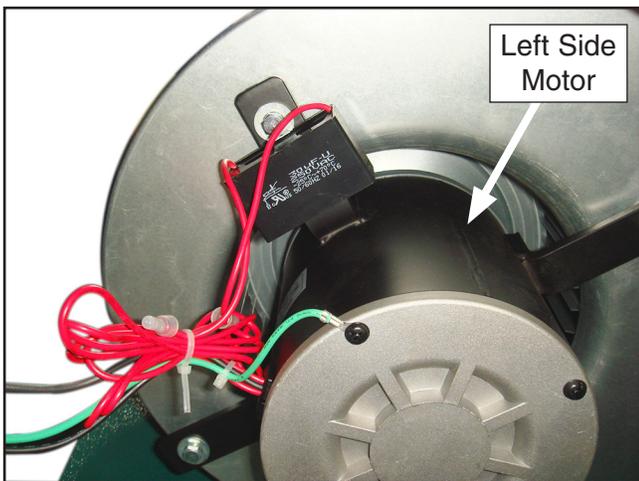


Figure 23. Left motor wiring.

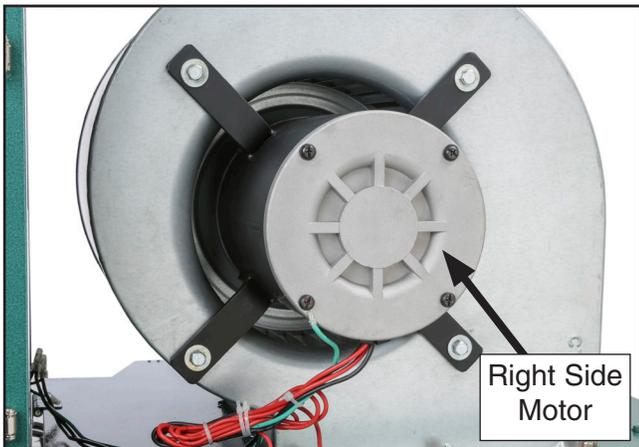


Figure 24. Right motor wiring.

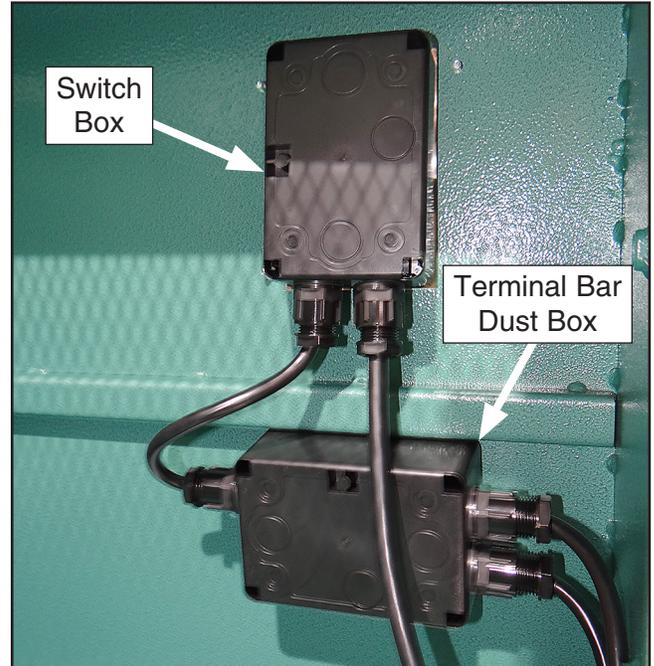


Figure 25. Switch box and terminal dust box.

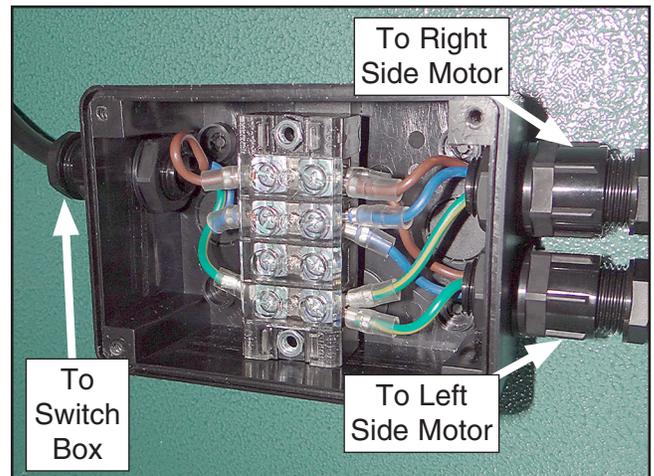
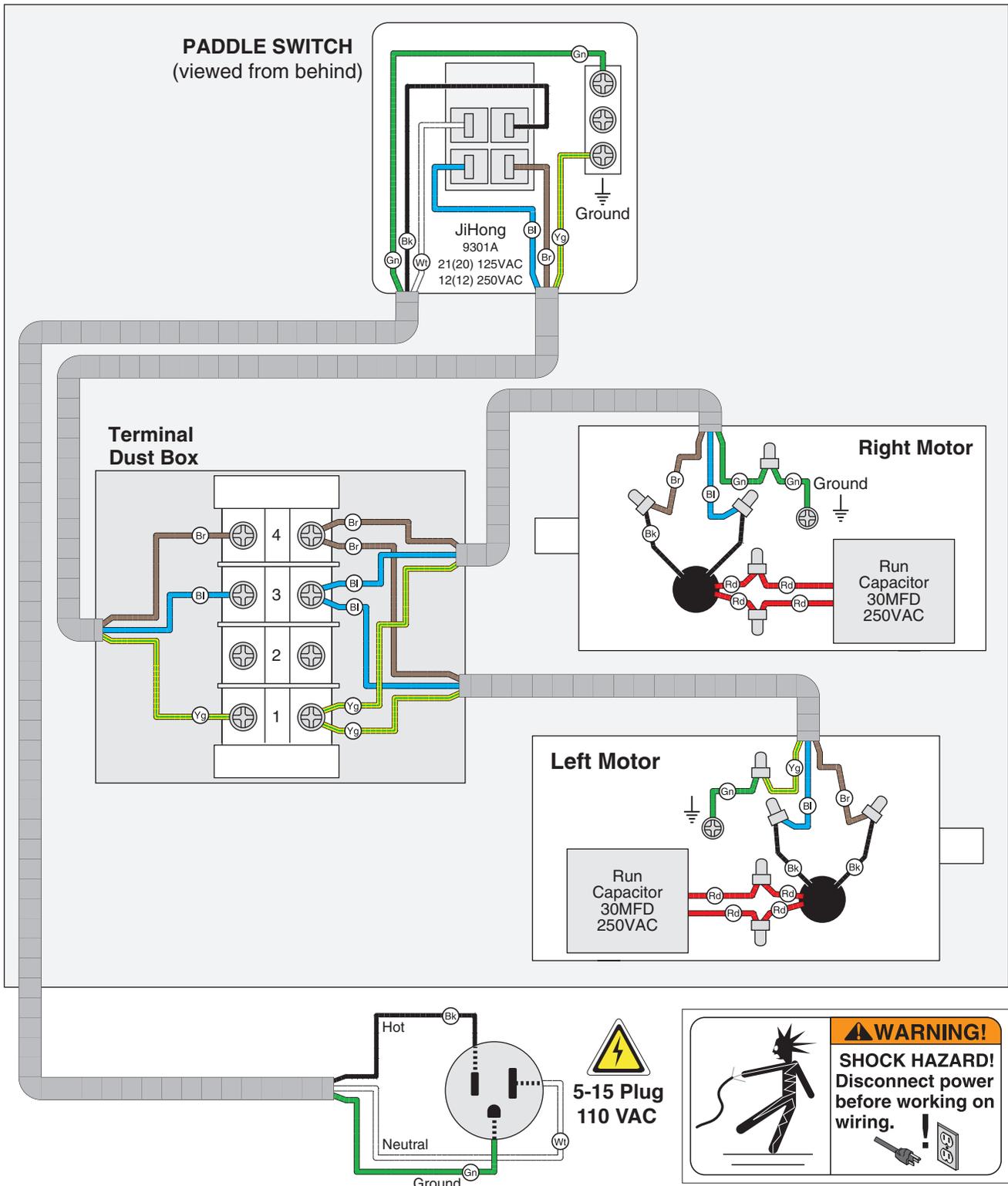


Figure 26. Terminal wiring with dust box removed.



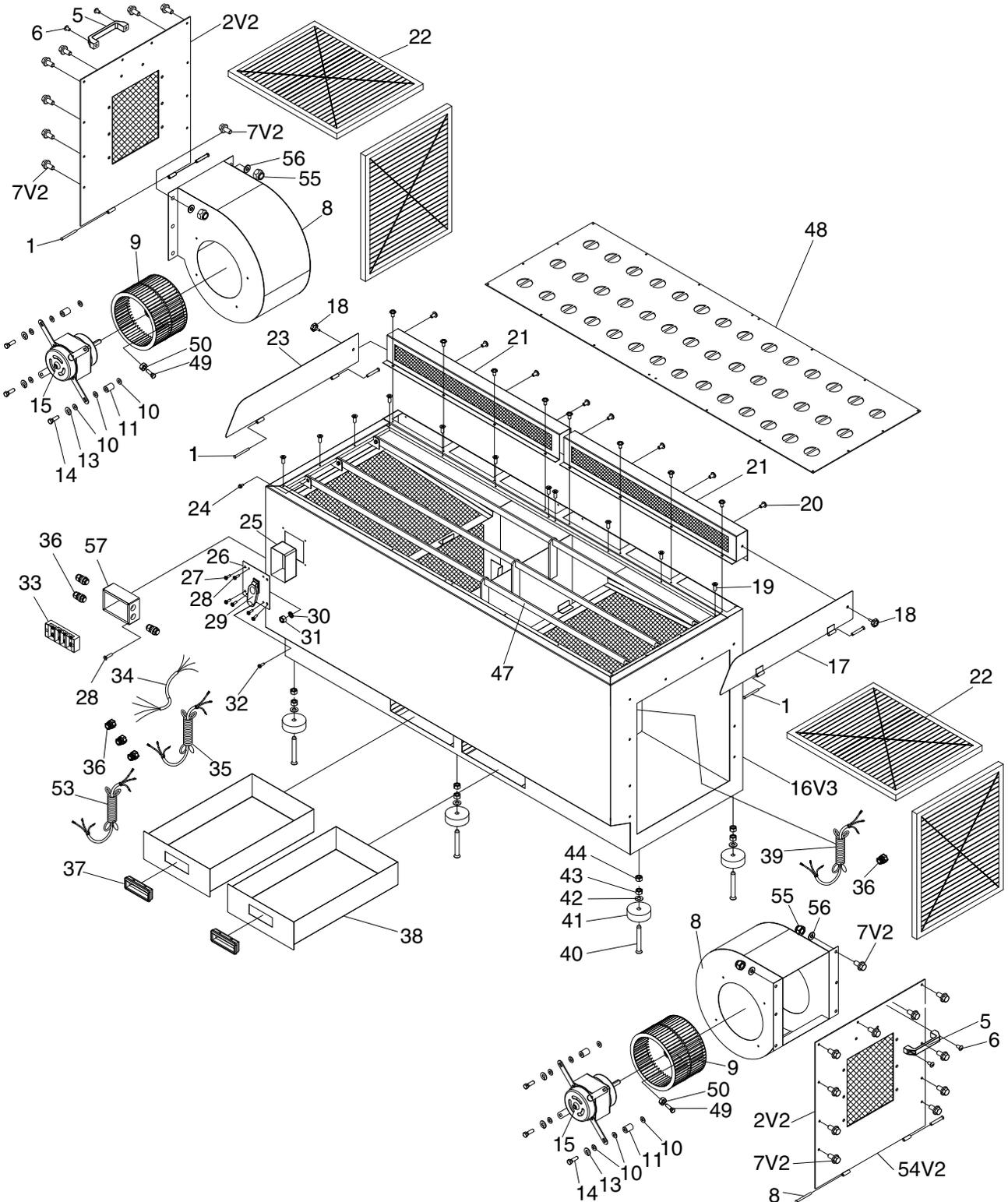
Wiring Diagram



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.

Breakdown



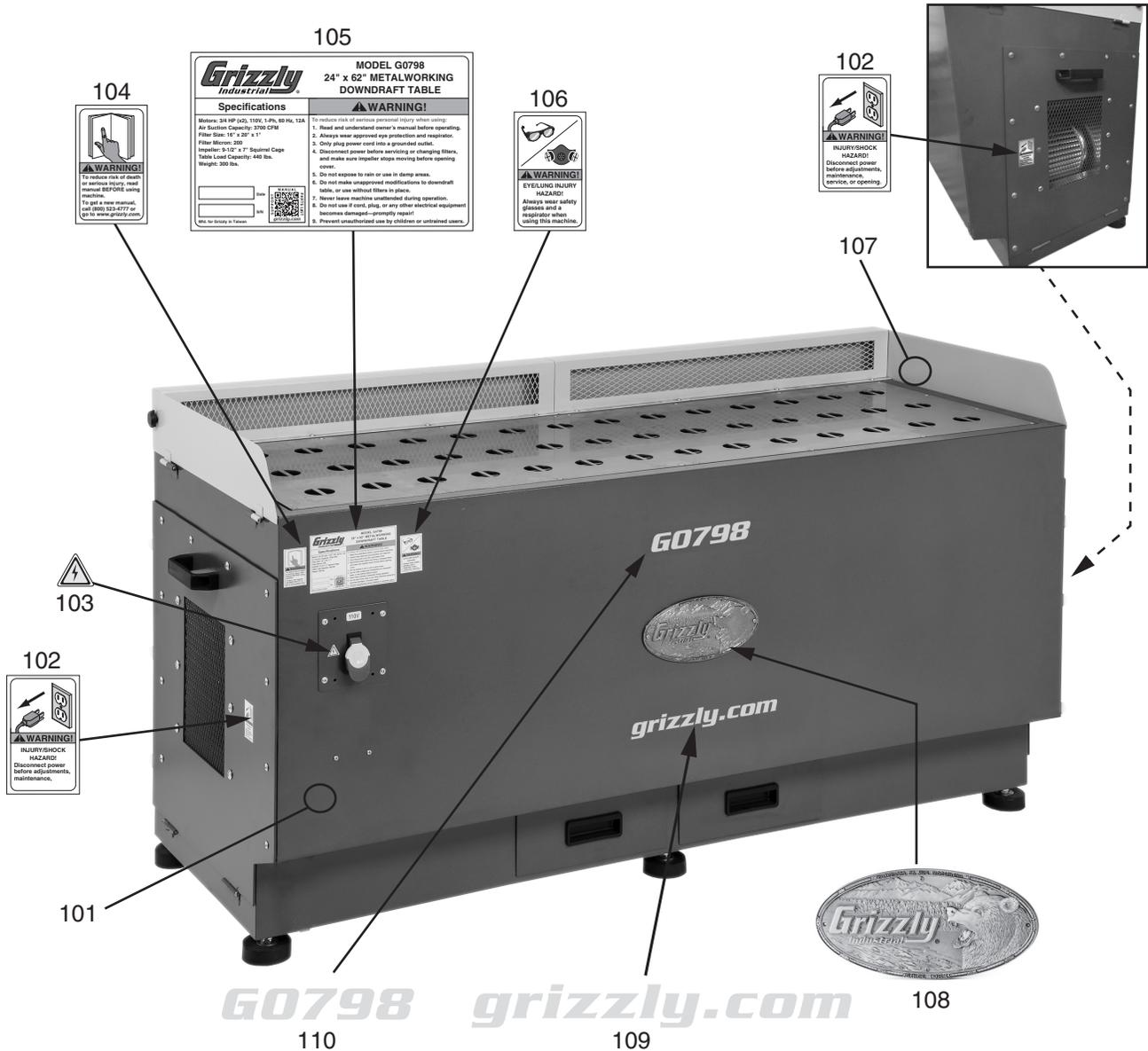
Parts List

REF	PART #	DESCRIPTION
1	P0798001	HINGE PIN 6 X 66MM
2V2	P0798002V2	LEFT OUTLET COVER V2.11.16
5	P0798005	COVER HANDLE
6	P0798006	PHLP HD SCR 1/4-20 X 5/8
7V2	P0798007V2	FLANGE BOLT 5/16-18 X 3/4 V2.04.17
8	P0798008	BLOWER HOUSING
9	P0798009	IMPELLER
10	P0798010	FLAT WASHER 1/4
11	P0798011	SPACER
13	P0798013	LOCK WASHER 1/4
14	P0798014	HEX BOLT 1/4-20 X 1-1/4
15	P0798015	MOTOR 3/4HP 110V 1-PH
16V3	P0798016V3	MAIN HOUSING V3.04.20
17	P0798017	RIGHT PANEL
18	P0798018	STAR KNOB 1/4-20 X 3/4
19	P0798019	PHLP HD SCR 10-24 X 3/8
20	P0798020	FLANGE SCREW 10-24 X 3/8
21	P0798021	CENTER SUCTION PANEL
22	P0798022	FILTER 20" X 16" X 1" 200-MICRON
23	P0798023	LEFT PANEL
24	P0798024	FLANGE BOLT 5/16-18 X 1/2
25	P0798025	SWITCH BOX
26	P0798026	SWITCH PLATE
27	P0798027	FLANGE SCREW 10-24 X 1/2
28	P0798028	TAP SCREW M4 X 16

REF	PART #	DESCRIPTION
29	P0798029	SAFETY PADDLE SWITCH W/KEY
30	P0798030	EXT TOOTH WASHER 4MM
31	P0798031	HEX NUT #10-24
32	P0798032	PHLP HD SCR 10-24 X 1/2
33	P0798033	TERMINAL BAR 4P
34	P0798034	SWITCH BOX CORD 16G 3W 12"
35	P0798035	POWER CORD 14G 3W 72" 5-15P
36	P0798036	STRAIN RELIEF TYPE-3 M16-1.5
37	P0798037	DRAWER HANDLE
38	P0798038	DRAWER
39	P0798039	MOTOR CORD 16G 3W 100" (RIGHT)
40	P0798040	CAP SCREW 1/2-13 X 4
41	P0798041	RUBBER FOOT PAD
42	P0798042	FENDER WASHER 1/2
43	P0798043	LOCK NUT 1/2-13
44	P0798044	HEX NUT 1/2-13
47	P0798047	SUPPORT BAR
48	P0798048	TOP SUCTION PLATE
49	P0798049	PHLP HD SCR M6-1 X 12
50	P0798050	HEX NUT M6-1
53	P0798053	MOTOR CORD 16G 3W 16" (LEFT)
54V2	P0798054V2	RIGHT OUTLET COVER V2.11.16
55	P0798055	LOCK NUT 5/16-18
56	P0798056	FLAT WASHER 5/16
57	P0798057	TERMINAL BAR DUST BOX



Labels & Cosmetics



REF	PART #	DESCRIPTION
101	P0798101	TOUCH-UP PAINT GRIZZLY GREEN
102	P0798102	INJURY/SHOCK HAZARD LABEL
103	P0798103	ELECTRICITY LABEL
104	P0798104	READ MANUAL LABEL
105	P0798105	MACHINE ID LABEL

REF	PART #	DESCRIPTION
106	P0798106	GLASSES/RESPIRATOR LABEL
107	P0798107	TOUCH-UP PAINT PUTTY
108	P0798108	GRIZZLY NAMEPLATE-LARGE
109	P0798109	GRIZZLY.COM LABEL
110	P0798110	MODEL NUMBER LABEL

⚠ 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.

To take advantage of this warranty, you must register it at <https://www.grizzly.com/secureforms/warranty-card>, or you can scan the QR code below to be automatically directed to our warranty registration page. Enter all applicable information for the product.



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