

Grizzly **Industrial, Inc.**®

MODEL G0837 **OSCILLATING SPINDLE SANDER** **OWNER'S MANUAL** *(For models manufactured since 02/19)*



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OR FORM WITHOUT THE WRITTEN APPROVAL OF GRIZZLY INDUSTRIAL, INC.**
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 **WARNING!**

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

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

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

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

 **WARNING!**

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

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

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

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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 glasses/respirator are properly adjusted/setup and | | |
| Weight: | power is connected to grounded circuit before starting. | | |
| | 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 intoxicated or under the influence of drugs or alcohol. | | |
| | 10. Maintain machine carefully to prevent accidents. | | |
| Manufactured for Grizzly in Taiwan | | | |

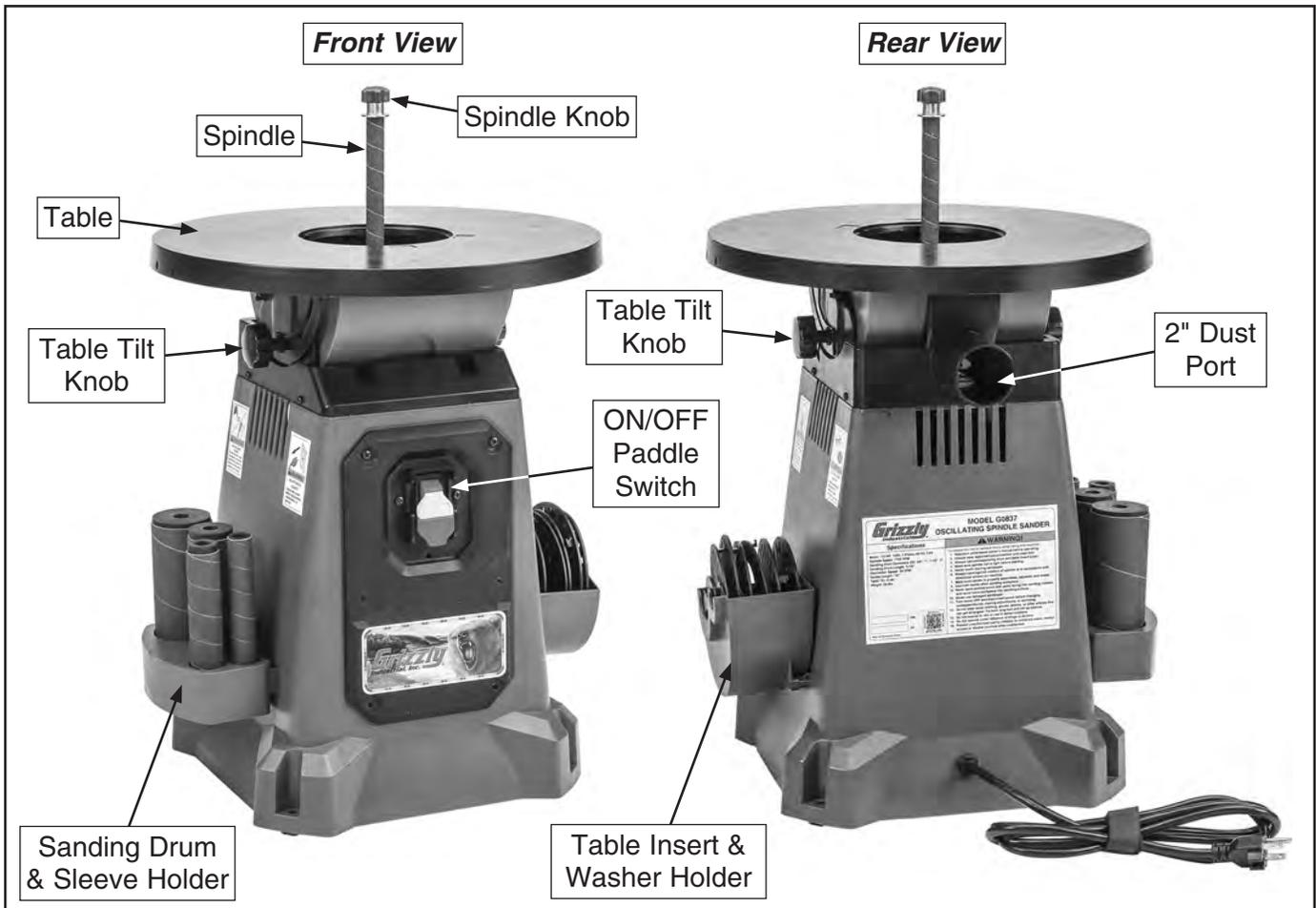
Manufacture Date

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.



⚠ CAUTION

For Your Own Safety Read Instruction Manual Before Operating Spindle Sander

- Wear eye protection.
- Feed workpiece **AGAINST** rotation of sanding drum.
- Keep fingers away from sanding drum.
- Do not use awkward hand positions.



Controls & Components



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.



Figure 1. Spindle sander controls (front).

- A. **Table:** Provides sanding platform with 0–45° tilt positioning.
- B. **Table Stop (1 of 2):** Stops table tilt position at 0°.
- C. **Table Tilt Knob (1 of 2):** Tightens and loosens table bracket to adjust table tilt position.
- D. **Table Tilt Indicator:** Points to angle scale on table bracket, indicating degree of table tilt.
- E. **Table Inserts and Drum Washers:** (6) table inserts and (4) drum washers.
- F. **ON/OFF Paddle Switch with Disabling Key:** Turns spindle sander **ON** and **OFF**. Remove yellow key to disable switch.

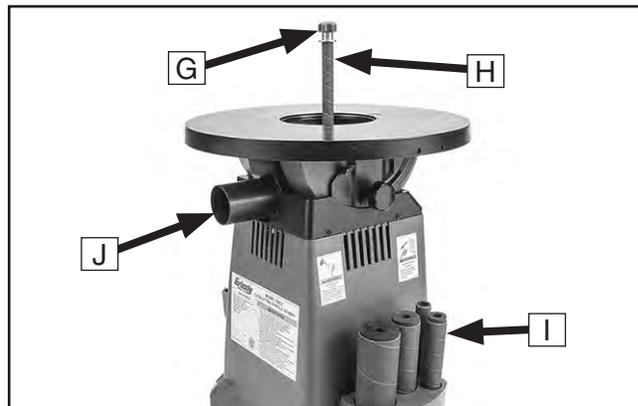


Figure 2. Spindle sander controls (rear).

- G. **Spindle Knob:** Tightens and loosens sanding drums on spindle.
- H. **Spindle:** Shaft on which sanding drums are attached. Connected to motor and spins during operation.
- I. **Sanding Drums and Sanding Sleeves:** (4) sanding drums and (5) sanding sleeves. 1/2" sanding sleeve fits directly over spindle without a sanding drum.
- J. **2" Dust Port:** Allows machine to be connected to dust-collection system for proper dust extraction during operation.





MACHINE DATA SHEET

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

MODEL G0837 BENCHTOP OSCILLATING SPINDLE SANDER

Product Dimensions:

Weight..... 29 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 15-1/2 x 15-1/2 x 24 in.
Footprint (Length x Width)..... 12 x 12 in.

Shipping Dimensions:

Type..... Cardboard Box
Content..... Machine
Weight..... 39 lbs.
Length x Width x Height..... 19 x 19 x 27 in.
Must Ship Upright..... Yes

Electrical:

Power Requirement..... 120V, Single-Phase, 60 Hz
Full-Load Current Rating..... 2.6A
Minimum Circuit Size..... 15A
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Power Cord Length..... 6 ft.
Power Cord Gauge..... 18 AWG
Plug Included..... Yes
Included Plug Type..... 5-15
Switch Type..... Paddle Safety Switch w/Removable Key

Motors:

Main

Horsepower..... 1/3 HP
Phase..... Single-Phase
Amps..... 2.6A
Speed..... 1725 RPM
Type..... TEFC Capacitor-Start Induction
Power Transfer..... Direct Drive
Bearings..... Sealed & Permanently Lubricated

Main Specifications:

Spindle Sander Info

Sanding Drum Diameters..... 3/4, 1, 1-1/2, 2 in.
Sanding Drum Length..... 5-1/2 in.
Spindle Speed..... 1725 RPM
Spindle Oscillation..... 32 SPM
Stroke Length..... 3/4 in.
Table Length..... 15 in.
Table Width..... 15 in.
Table Thickness..... 7/8 in.
Table-to-Floor Height..... 18-3/4 in.
Spindle Shaft Diameter..... 1/2 in.
Number of Table Inserts..... 6
Included Sanding Sleeve Grit Size..... 100
Table Tilt..... 0-45 deg.



Construction Materials

Base..... Plastic
Table..... Cast Aluminum
Paint Type/Finish..... Epoxy

Other Related Info

Number of Dust Ports..... 1
Dust Port Size..... 2 in.

Other Specifications:

Country of Origin China
Warranty 1 Year
Approximate Assembly & Setup Time 15 Minutes
Serial Number Location ID Label
Sound Rating 80 dB
ISO 9001 Factory Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL) Yes

Features:

Tilting Table with Adjustable Stops
Plastic Worm Gear for Motor Overload Protection
Built-in Storage for Sanding Drums and Table Inserts

Accessories Included:

Four Sanding Drums: 3/4", 1", 1-1/2", 2"
Five Sanding Sleeves: 1/2", 3/4", 1", 1-1/2", 2"
Three Table Inserts with Round Openings: 3/4", 1-1/2", 2"
Three Table Inserts with Slotted Openings: 3/4", 1-1/2", 2"



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 Spindle Sanders

WARNING

Serious injury or death can occur from fingers, clothing, jewelry or hair getting entangled in rotating spindle or other moving components. Abrasion injuries can occur from touching rotating sanding drum with bare skin. Workpieces thrown by drum can strike operator or bystanders with moderate force, causing impact injuries. Long-term respiratory damage can occur from using sander without proper use of a respirator. To reduce the risk of these hazards, operator and bystanders **MUST** completely heed the hazards and warnings below.

HAND PLACEMENT. Rotating sanding drums can remove a large amount of flesh in a few seconds. Always keep hands away from drum during operation. Never touch moving drum on purpose. Use a brush to clean table of sawdust and chips.

FEEDING WORKPIECE. Forcefully jamming workpiece into sanding surface could cause workpiece to eject back at operator or damage machine. Always allow spindle to reach full speed. Firmly hold workpiece with both hands and ease it against spindle using light pressure.

DRUM DIRECTION. Feeding workpiece incorrectly can cause it to be thrown from machine, allowing your hands to slip into the rotating drum or striking yourself or bystanders. To reduce these risks, feed workpiece against direction of rotation, and never sand tapered or pointed stock with point facing feed direction.

SANDING SLEEVE CONDITION. Worn or damaged sanding sleeves can tear apart and become entangled in spindle, resulting in subsequent injuries from operator loss of workpiece control. Replace worn or damaged sanding sleeves promptly.

SANDING DUST. Sanding creates large amounts of dust and flying chips that can lead to eye injury or serious respiratory illness. Reduce your risk by always wearing approved eye and respiratory protection when using sander. Never operate without adequate dust collection system in place and running. However, dust collection is not a substitute for using a respirator.

AVOIDING ENTANGLEMENT. DO NOT wear loose clothing, gloves, or jewelry, and tie back long hair. Keep all guards in place and secure.

WORKPIECE INSPECTION. Nails, staples, knots, or other imperfections in workpiece can be dislodged and thrown from sander at high rate of speed into operator or bystanders, or cause damage to sanding sleeves or drum. Never sand stock that has embedded foreign objects or questionable imperfections.

TABLE INSERTS. A pinch point for fingers and workpieces exists in the gap between table and oscillating drum. Always use table insert that fits closest to diameter of installed drum to keep this gap as small as possible and reduce risk of injury.

POWER DISCONNECT. An accidental startup while changing sleeves can result in entanglement or abrasion injuries. Always disconnect machine from power source before changing sanding sleeve to avoid this risk.

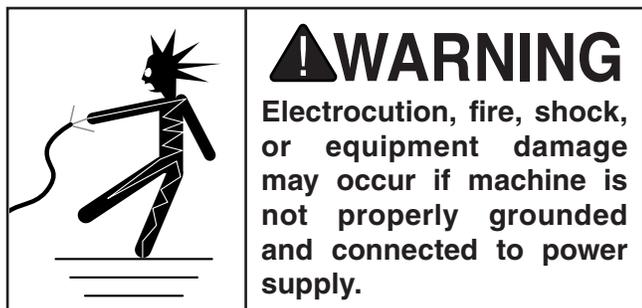
WORKPIECE INTEGRITY. Sanding fragile workpieces can result in loss of control, resulting in entanglement, impact injuries, or damage to the sanding sleeve or drum. Only sand solid workpieces that can withstand power sanding forces. Make sure shape of workpiece is properly supported; avoid sanding workpieces without flat bottom surfaces unless some type of jig is used to maintain support and control when sanding force is applied.



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 120V ... 2.6 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.

110V 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 120V, 115V, 120V
Cycle 60 Hz
Phase Single-Phase
Power Supply Circuit 15 Amps

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!

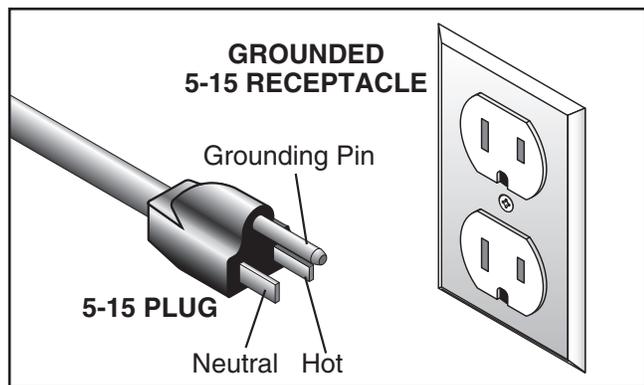


Figure 3. Typical 5-15 plug and receptacle.

⚠ 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

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.***



Needed for Setup

The following are needed to complete the setup process, but are not included with your machine.

| Description | Qty |
|---|-----|
| • Phillips Screwdriver #2 | 1 |
| • Safety Glasses | 1 |
| • Dust Collection System | 1 |
| • Dust Hose 2" | 1 |
| • Hose Clamps 2" | 2 |
| • Optional Mounting Hardware..(see Page 13) | |

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.

| Inventory (Figure 4) | Qty |
|--|-------|
| A. Sanding Drum Holder..... | 1 |
| B. Oscillating Spindle Sander | 1 |
| C. Table Insert Holder..... | 1 |
| D. Sanding Sleeves 1/2", 3/4", 1", 1 1/2", 2"..... | 1 Ea. |
| E. Drum Washers | |
| —1/2" x 3/4" | 1 |
| —1/2" x 1" | 1 |
| —1/2" x 1 1/2" | 1 |
| —1/2" x 2" | 2 |
| F. Sanding Drums 3/4", 1", 1 1/2", 2" | 1 Ea. |
| G. Table Inserts | |
| —3/4" Round, 3/4" Oblong..... | 1 Ea. |
| —1 1/2" Round, 1 1/2" Oblong | 1 Ea. |
| —2" Round, 2" Oblong..... | 1 Ea. |
| H. Tap Screws M4 x 10 (not shown) | 2 |
| I. Plastic Rivet 7.5 x 21mm (not shown)..... | 1 |



Figure 4. G0837 inventory.



Site Considerations

Workbench Load

Refer to the **Machine Data Sheet** for the weight and footprint specifications of your machine. Some workbenches may require additional reinforcement to support the weight of the machine and workpiece materials.

Placement Location

Consider anticipated workpiece sizes and additional space needed for auxiliary stands, work tables, or other machinery when establishing a location for this machine in the shop. Below is the minimum amount of space needed for the machine.

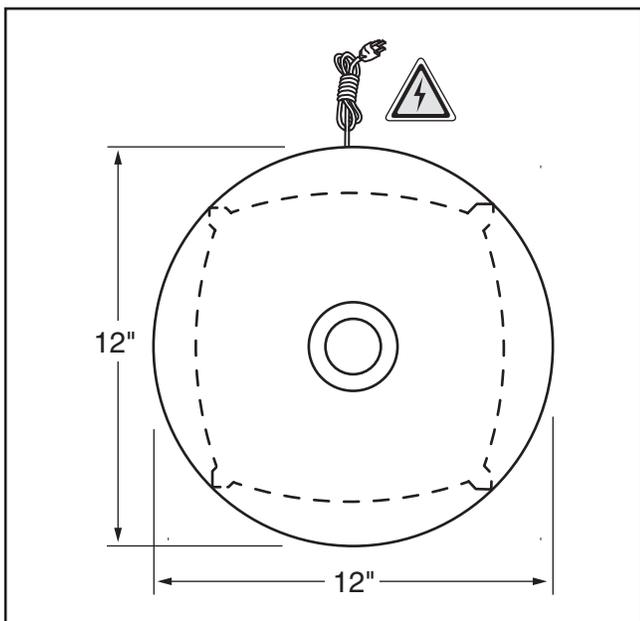
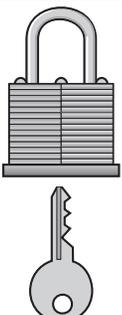


Figure 5. G0837 Minimum working clearances.

| | |
|---|---|
|  | <h2>⚠ CAUTION</h2> <p>Children and visitors may be seriously injured if unsupervised around this machine. Lock entrances to the shop or disable start switch or power connection to prevent unsupervised use.</p> |
|---|---|

Bench Mounting

Number of Mounting Holes 4
Diameter of Mounting Hardware Needed .. 1/4"

The base of this machine has mounting holes that allow it to be fastened to a workbench or other mounting surface to prevent it from moving during operation and causing accidental injury or damage.

The strongest mounting option is a "Through Mount" (see example below) where holes are drilled all the way through the workbench—and hex bolts, washers, and hex nuts are used to secure the machine in place.

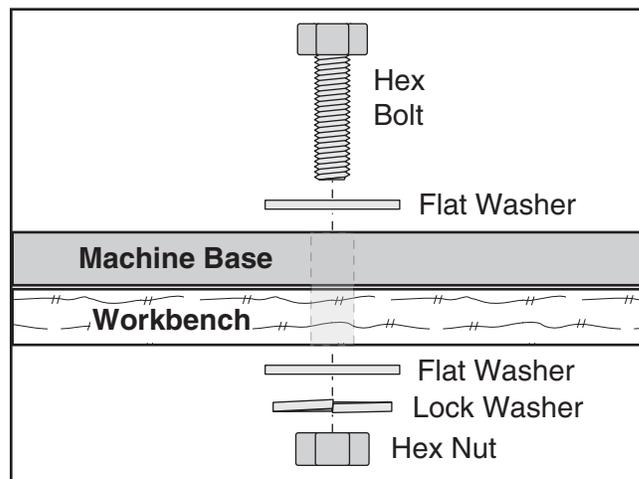


Figure 6. "Through Mount" setup.

Another option is a "direct mount" (see example below) where the machine is secured directly to the workbench with lag screws and washers.

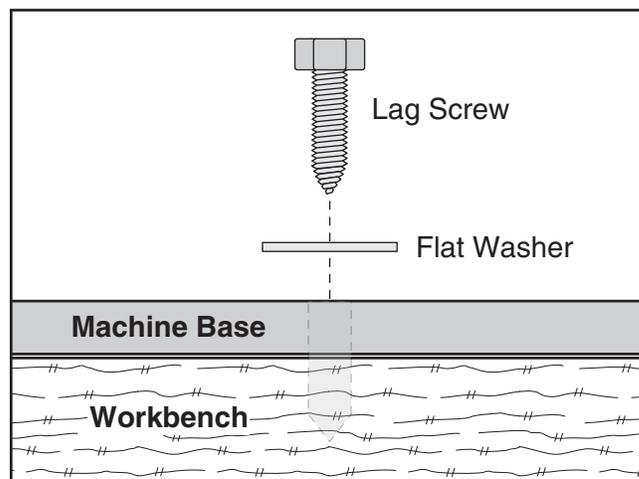


Figure 7. "Direct Mount" setup.



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 assemble oscillating spindle sander:

1. Attach sanding drum holder to left side of spindle sander by sliding prongs into slots, as shown in **Figure 8**.

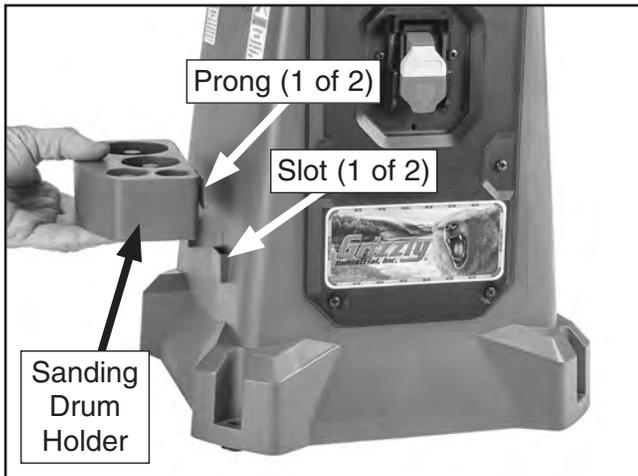


Figure 8. Attaching sanding drum holder.

2. Attach table insert holder to right side of spindle sander with (2) M4 x 10 tap screws, as shown in **Figure 9**. Push plastic rivet 7.5 x 21mm through matching holes in holder and spindle sander housing.

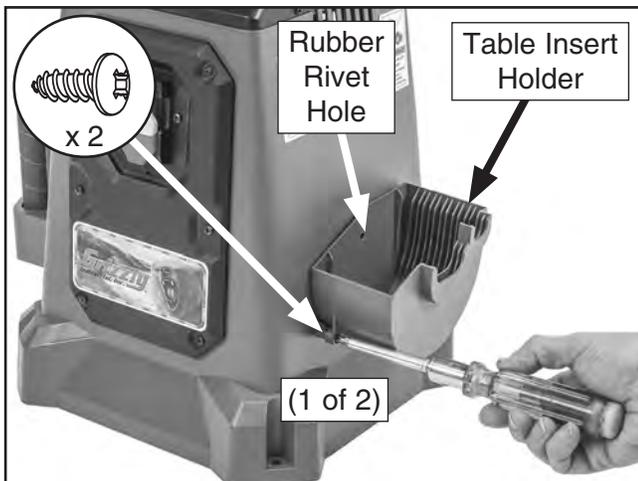


Figure 9. Attaching table insert holder.

3. Place table inserts, drum washers, and sanding drums with sleeves in corresponding accessory slots in holders (see **Figure 10**).

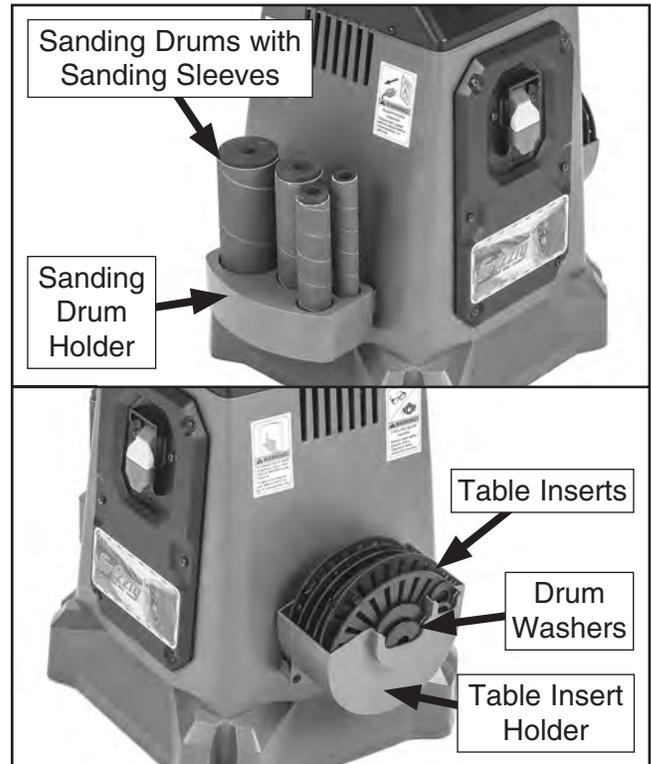


Figure 10. Sanding drums with sleeves, table inserts, and drum washers placed in holders.



Dust Collection

CAUTION

This machine creates a lot of wood chips/dust during operation. Breathing airborne dust on a regular basis can result in permanent respiratory illness. Reduce your risk by wearing a respirator and capturing the dust with a dust-collection system.

Recommended CFM at Dust Port: 250 CFM

Do not confuse this CFM recommendation with the rating of the dust collector. To determine the CFM at the dust port, you must consider these variables: (1) CFM rating of the dust collector, (2) hose type and length between the dust collector and the machine, (3) number of branches or wyes, and (4) amount of other open lines throughout the system. Explaining how to calculate these variables is beyond the scope of this manual. Consult an expert or purchase a good dust collection "how-to" book.

To connect a dust collection hose:

1. Fit 2" dust hose over dust port, and secure in place with 2" hose clamp (see **Figure 11**).



Figure 11. Dust hose attached to dust port.

2. Tug hose to make sure it does not come off.

Note: *A tight fit is necessary for proper performance.*



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 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 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 12**.

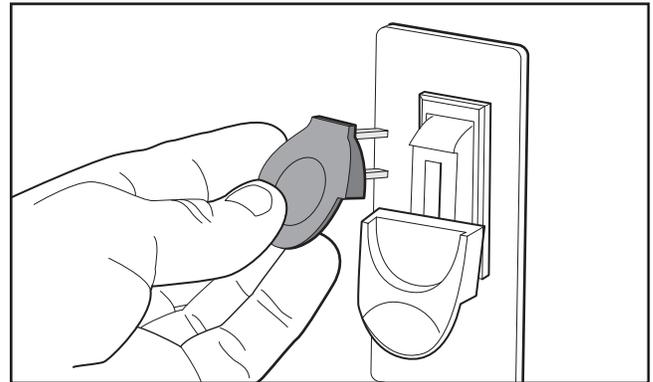
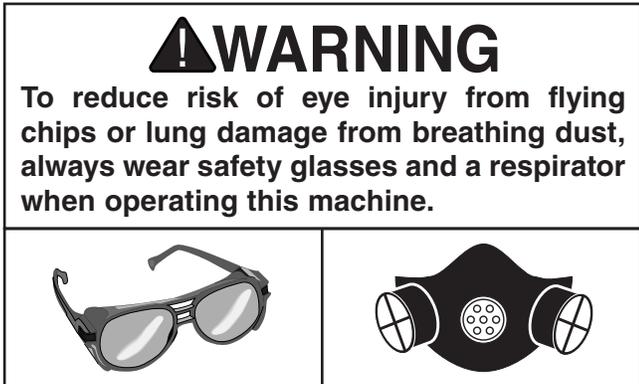


Figure 12. Removing switch key from paddle switch.

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



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.

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

1. Examines workpiece to make sure it is suitable for sanding.
2. If necessary, tilts table to correct angle and tightens it in place.
3. Selects table insert best suited to accommodate size of sanding drum and tilt of table, while minimizing gap between table and drum.
4. Selects and installs sanding drum with sanding sleeve. (Refer to **Selecting Sanding Drums & Sleeves** on Page 18 and **Installing Sanding Drums & Sleeves** on Page 19.)
5. Puts on safety glasses and respirator.
6. Starts spindle sander.
7. Feeds workpiece **AGAINST** direction of spindle rotation, maintaining a safe working distance between hands and sanding drum.
8. Turns machine **OFF**.



Disabling Switch

The switch can be disabled by removing the key, as shown below. Disabling the switch in this manner can prevent unauthorized operation of the machine, which is important if it is not kept inside an access-restricted building or in a location where children may be present.

IMPORTANT: Disabling the switch only restricts its function. It is not a substitute for disconnecting machine from power when adjusting or servicing.

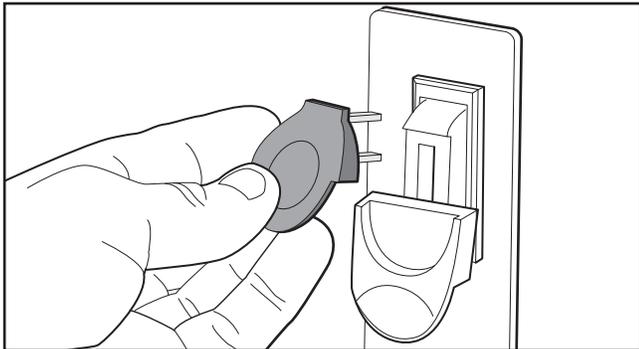


Figure 13. Disabling switch by removing key.

!WARNING

Children or untrained people can be seriously injured by this machine. This risk increases with unsupervised operation. To help prevent unsupervised operation, always disable switch before leaving machine unattended. Make sure to place key in a well-hidden or secure location!

Selecting Sanding Drums & Sleeves

The Model G0837 comes with four different-sized sanding drums and five sanding sleeves. Sanding sleeve and drum sizes are nominal and generally based on the outside diameter of the sleeves. Refer to the table below when determining the appropriate sanding drum, drum washer, and table insert for a particular sleeve.

IMPORTANT: Always use one of the 2" drum washers as the bottom washer (see **Figure 14** on **Page 19**).

Note: The 1/2" sanding sleeve fits directly over spindle without a sanding drum.

Part Diameters

| Sanding Sleeve | Sanding Drum | Drum Washer | Table Insert |
|----------------|--------------|-------------|--------------|
| 1/2" | N/A | N/A | 3/4" |
| 3/4" | 3/4" | 3/4" | 3/4" |
| 1" | 1" | 1" | 1" |
| 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" |
| 2" | 2" | 2" | 2" |



Installing Sanding Drums & Sleeves

The Model G0837 accepts 5½" tall sanding drums and sleeves—which are available in a variety of grits. The procedure below details how to install sanding drums and sleeves.

To install sanding drums and sleeves:

1. DISCONNECT MACHINE FROM POWER.
2. Remove spindle knob by turning clockwise, then remove drum washer, sanding drum and sanding sleeve, and table insert.
3. Clean table insert groove and spindle areas as necessary.
4. Make sure bottom washer is installed (see **Figure 14**).

5. Install appropriate table insert (refer to **Selecting Sanding Drums & Sleeves** on **Page 18**) for sanding drum that will be installed (see **Figure 14**).

6. Slide sanding sleeve over matching size sanding drum (refer to **Selecting Sanding Drums & Sleeves** on **Page 18**).

Note: Slide sanding sleeve over drum before installing drum on spindle.

7. Install sanding drum and appropriate matching size drum washer (refer to **Selecting Sleeves** on **Page 18**) on spindle (see **Figure 14**).

8. Re-attach spindle knob by turning counterclockwise while holding sanding drum. Tighten spindle knob until sanding drum is tight against spindle. DO NOT over-tighten spindle knob.

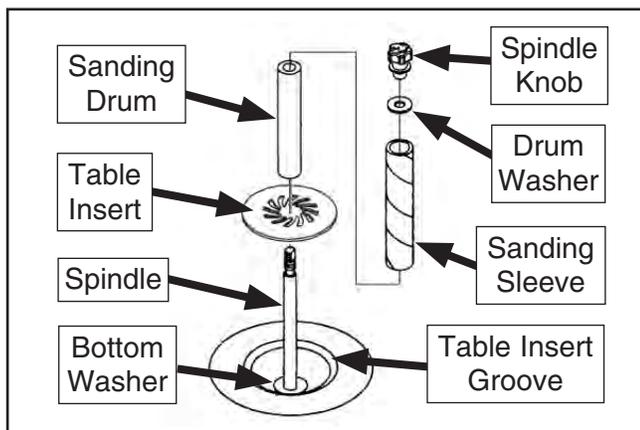


Figure 14. Drum and sleeve installation/removal order.



Sanding

Spindle sanding is typically used for inside curves and irregular shapes. The oscillating spindle moves up and down as it rotates to distribute the scratch pattern so it doesn't leave deep sanding lines. It also helps to avoid burns and maximize sandpaper life.

To use the spindle sander, you must first select and then install the appropriate sanding drum/sleeve for your operation (refer to **Selecting Sanding Drums & Sleeves** on **Page 18** and **Installing Sanding Drums & Sleeves** on **Page 19**).

To sand workpieces:

1. Ensure spindle knob is firmly secured and work area is free of obstructions and obstacles.
2. Turn spindle sander **ON** and allow it to reach full speed.
3. Use both hands to maintain control of workpiece, and guide it against rotation of spindle, as shown in **Figure 15**. **DO NOT** force workpiece against sanding sleeve. Allow the machine to do the work.

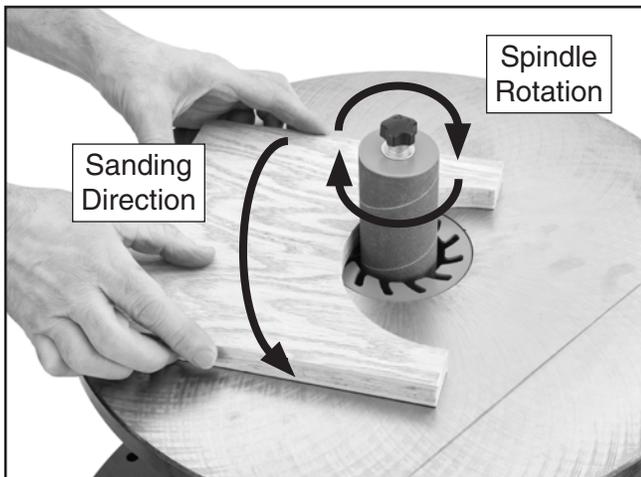


Figure 15. Example of sanding a workpiece.

Tilting Table

The table on the Model G0837 tilts for sanding bevels on your workpiece.

Table Tilt Range..... **0°–45°**

To tilt table:

1. Loosen table tilt knobs (see **Figure 16**).

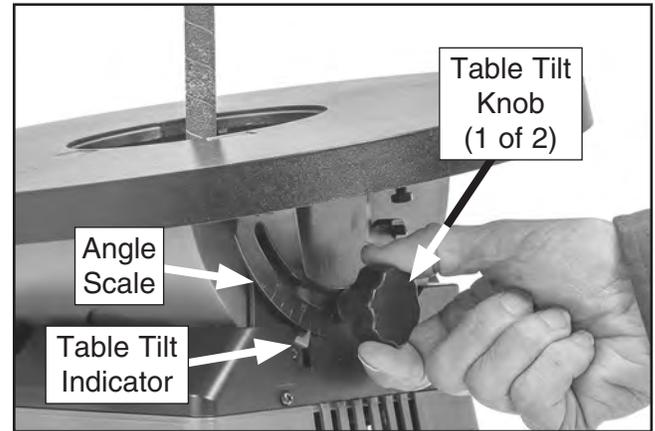


Figure 16. Tilting table.

2. Position table by hand, referring to angle scale to set angle of table tilt (see **Figure 16**).
3. Tighten table tilt knobs. **DO NOT** overtighten knobs or angle scale may be damaged.



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.

H2499—Low-Maintenance Respirator—Small
H3631—Low-Maintenance Respirator—Medium
H3632—Low-Maintenance Respirator— Large
H3635—Cartridges P100 Particulate Aerosols
 Wood 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 17. Half-mask respirator with disposable cartridge filters.

Grizzly offers a wide variety of rigid aluminum oxide sanding sleeves that are perfect for use with popular sanding drum kits.



Figure 18. 3-pack of hard sanding sleeves.

| MODEL | SIZE | GRIT |
|--------|-----------|------|
| T28326 | ½" x 5½" | 60 |
| T28327 | ½" x 5½" | 80 |
| T28328 | ½" x 5½" | 100 |
| T28329 | ½" x 5½" | 120 |
| T28330 | ½" x 5½" | 150 |
| T28331 | ¾" x 5½" | 60 |
| T28332 | ¾" x 5½" | 80 |
| T28333 | ¾" x 5½" | 100 |
| T28334 | ¾" x 5½" | 120 |
| T28335 | ¾" x 5½" | 150 |
| T28336 | 1" x 5½" | 60 |
| T28337 | 1" x 5½" | 80 |
| T28338 | 1" x 5½" | 100 |
| T28339 | 1" x 5½" | 120 |
| T28340 | 1" x 5½" | 150 |
| H6669 | 1½" x 5½" | 60 |
| H6670 | 1½" x 5½" | 80 |
| H6671 | 1½" x 5½" | 100 |
| H6672 | 1½" x 5½" | 120 |
| H6673 | 1½" x 5½" | 150 |
| H6674 | 2" x 5½" | 60 |
| H6675 | 2" x 5½" | 80 |
| H6676 | 2" x 5½" | 100 |
| H6677 | 2" x 5½" | 120 |
| H6678 | 2" x 5½" | 150 |



- G0710—1 HP Wall Hanging Dust Collector
- G1163P—1 HP Light Duty Dust Collector
- G3591—30-Micron Replacement Bag
- H4340—3.0-Micron 5" Neck Dust Filter Bag

Excellent point-of-use dust collectors that can be used next to the machine with only a small amount of ducting. Specifications: 537 CFM, 7.2" static pressure, 1.5 cubic foot bag, and 30-micron filter. Motor is 1 HP, 120V/240V, 7A/3.5A.



Figure 19. Point-of-use dust collectors.

- W1315—Wire Hose Clamp 2"
- W1317—Wire Hose Clamp 4"
- D4226—Dust Collection Reducer 2" x 4" OD
- D4206—4" x 10' Clear Hose
- D4202—2' x 10' Clear Hose
- W1007—Plastic Blast Gate 4"
- W1053—Anti-Static Grounding Kit

We've hand picked a selection of dust collection components commonly needed to connect your new machine to basic dust collection.



Figure 20. Dust collection accessories.

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 21. Assortment of basic eye protection.

PRO-STIK® Abrasive Surface Cleaners

Extend the life of your sanding sleeves!

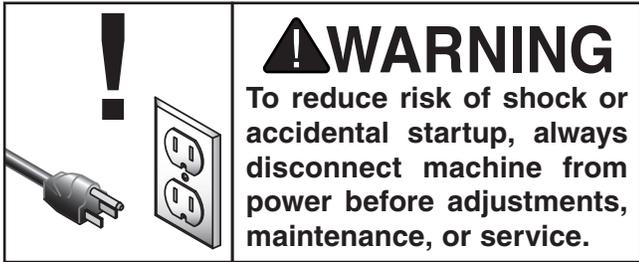
| Size | Model |
|-----------------|-------|
| 1½" X 1½" X 8½" | W1306 |
| 2" X 2" X 12" | W1307 |



Figure 22. PRO-STIK® abrasive cleaners.



SECTION 6: MAINTENANCE



Plastic Gear & Worm Gear

Lubrication Type ... T26419 or NLGI#2 Equivalent
 Lubrication AmountThin Coat
 Lubrication Frequency6–12 Months

Clean away any built up grime and debris from the plastic gear and worm gear (see **Figure 23**) with a wire brush, rags, and mineral spirits. Allow the components to dry, then apply a thin coat of grease to them.

Schedule

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

Ongoing:

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

- Loose mounting bolts.
- Sanding sleeves for wear or damage.
- Worn or damaged wires.
- Any other unsafe condition.

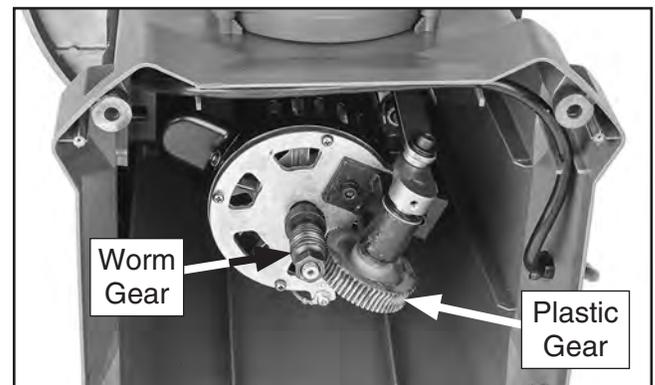


Figure 23. Plastic gear and worm gear location.

Lubrication

It is essential to clean components before lubricating them because dust and chips build up on lubricated components and make them hard to move. Simply adding more grease to them will not yield smooth moving components.

Clean the components in this section with an oil/grease solvent cleaner and shop rags.

| Items Needed | Qty |
|-----------------------------------|-----------|
| NLGI#2 Grease or Equivalent | As Needed |
| Mineral Spirits..... | As Needed |
| Clean Shop Rags | As Needed |

Cleaning

Cleaning the Model G0837 is relatively easy. Vacuum excess wood chips and sawdust, and wipe off the remaining dust with a dry cloth. If any resin has built up, use a resin-dissolving cleaner to remove it. Removes gum and grit from sanding sleeves without damage using a crepe-rubber abrasive cleaner (see **Figure 24**).



Figure 24. PRO-STIK® abrasive cleaners.



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/fuse immediately trips after startup. | <ol style="list-style-type: none"> 1. Switch disabling key removed. 2. Power supply circuit breaker tripped or fuse blown. 3. Wiring open/has high resistance. 4. Start capacitor at fault. 5. ON/OFF switch at fault. 6. Motor at fault. | <ol style="list-style-type: none"> 1. Install switch disabling key (Page 18). 2. Ensure circuit is sized correctly and free of shorts. Reset circuit breaker/replace fuse. 3. Check/fix broken, disconnected, or corroded wires. 4. Test/replace. 5. Test/replace. 6. Test/repair/replace. |
| Machine stalls or is underpowered. | <ol style="list-style-type: none"> 1. Sanding sleeve loaded up. 2. Sanding sleeve worn or damaged. 3. Machine undersized for task. 4. Motor overheated. 5. Motor at fault. 6. Motor bearings at fault. | <ol style="list-style-type: none"> 1. Clean sanding sleeve (Page 23). 2. Replace sanding sleeve (Page 19). 3. Reduce feed rate/workpiece pressure. 4. Clean motor, let cool, and reduce workload. 5. Test/repair/replace. 6. Test/repair/replace. |
| Machine has vibration or noisy operation. | <ol style="list-style-type: none"> 1. Sanding sleeve out of balance or loose. 2. Motor or component loose. 3. Incorrectly mounted to workbench. 4. Motor bearings at fault. | <ol style="list-style-type: none"> 1. Ensure sanding sleeve is properly installed (Page 19). 2. Retighten loose bolts/nuts, replaced if damaged. 3. Tighten mounting hardware (Page 13); relocate or shim machine. 4. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement. |



Sander Operation

| Symptom | Possible Cause | Possible Solution |
|---|--|---|
| Sanding grains easily rub off sleeve. | <ol style="list-style-type: none"> 1. Sanding sleeve has been stored in an incorrect environment. 2. Sanding sleeve has been smashed or folded. | <ol style="list-style-type: none"> 1. Replace damaged sanding sleeve (Page 19). Store sanding sleeve in a cool, dry area. 2. Replace damaged sanding sleeve (Page 19). <i>Do not</i> bend or fold sanding sleeves. |
| Deep sanding grooves or scars in workpiece. | <ol style="list-style-type: none"> 1. Excessive feed pressure while sanding. 2. Workpiece held still for too long against sleeve. 3. Sanding sleeve too coarse. 4. Workpiece sanded across grain. | <ol style="list-style-type: none"> 1. Reduce feed rate/workpiece pressure. 2. Keep workpiece moving while sanding. 3. Use finer grit sanding sleeve (Page 18). 4. Sand with grain. |
| Sanding sleeve clogs quickly. | <ol style="list-style-type: none"> 1. Excessive feed pressure while sanding. 2. Sanding softwood or wood with a high amount of pitch. 3. Sanding sleeve worn or damaged. | <ol style="list-style-type: none"> 1. Clean sanding sleeve (Page 23), and then reduce feed rate/workpiece pressure. 2. Use different stock, or accept characteristics of stock and plan to clean/replace sanding sleeve frequently. 3. Replace sanding sleeve (Page 19). |
| Glazed sanding surface. | <ol style="list-style-type: none"> 1. Workpiece has excessive moisture. 2. Workpiece has high amount of residue. | <ol style="list-style-type: none"> 1. Only sand dry stock with moisture content below 20%. 2. Use different stock, or accept characteristics of stock and plan to clean/replace sanding sleeve frequently. |
| Burn marks on workpiece. | <ol style="list-style-type: none"> 1. Sanding grit too fine. 2. Excessive feed pressure while sanding. 3. Workpiece held still for too long against sleeve. 4. Sanding sleeve loaded up. 5. Sanding sleeve worn or damaged. | <ol style="list-style-type: none"> 1. Use coarser grit sanding sleeve (Page 21). 2. Reduce feed rate/workpiece pressure. 3. Keep workpiece moving while sanding. 4. Clean sanding sleeve (Page 23). 5. Replace sanding sleeve (Page 19). |



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  | |



Wiring Diagram

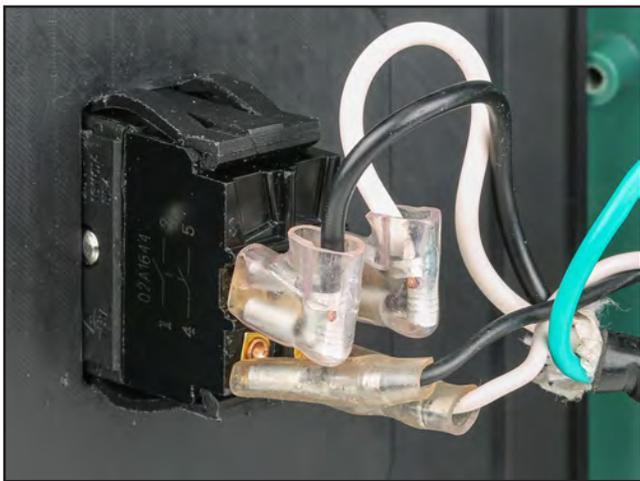
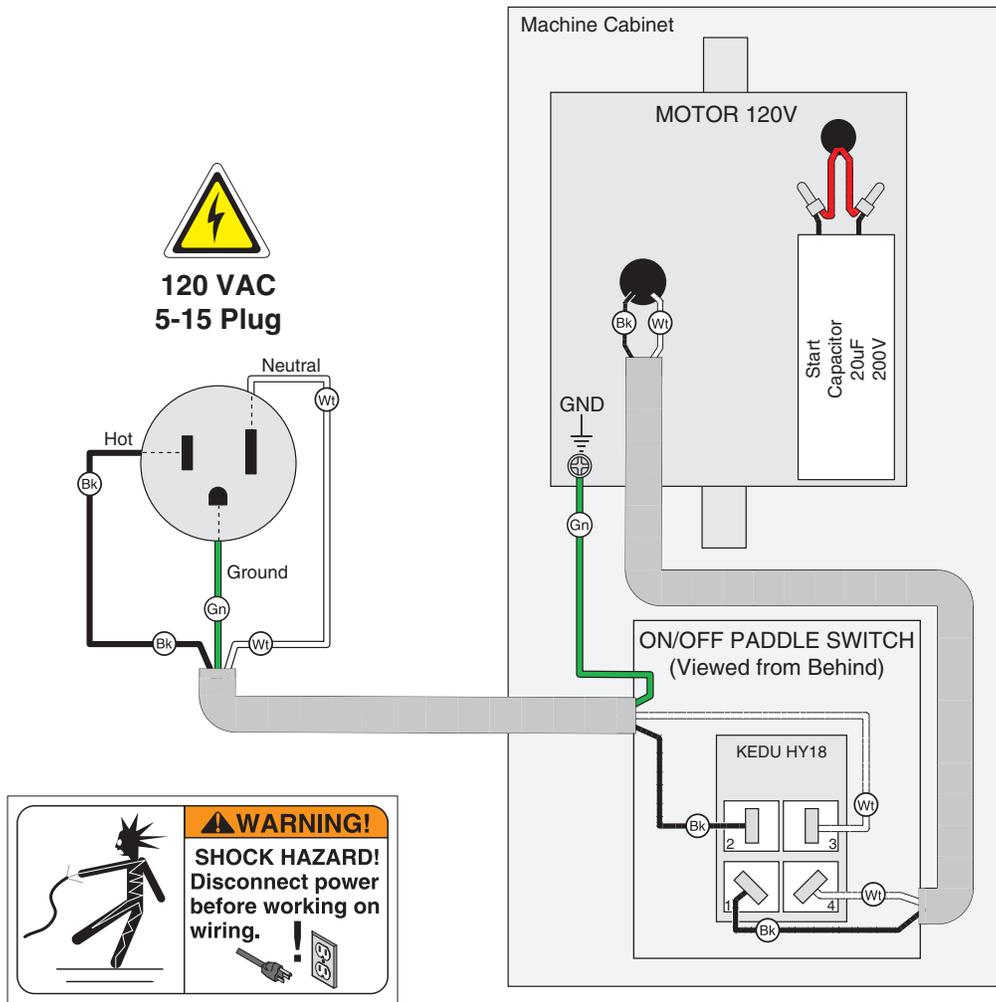


Figure 25. Switch wiring.



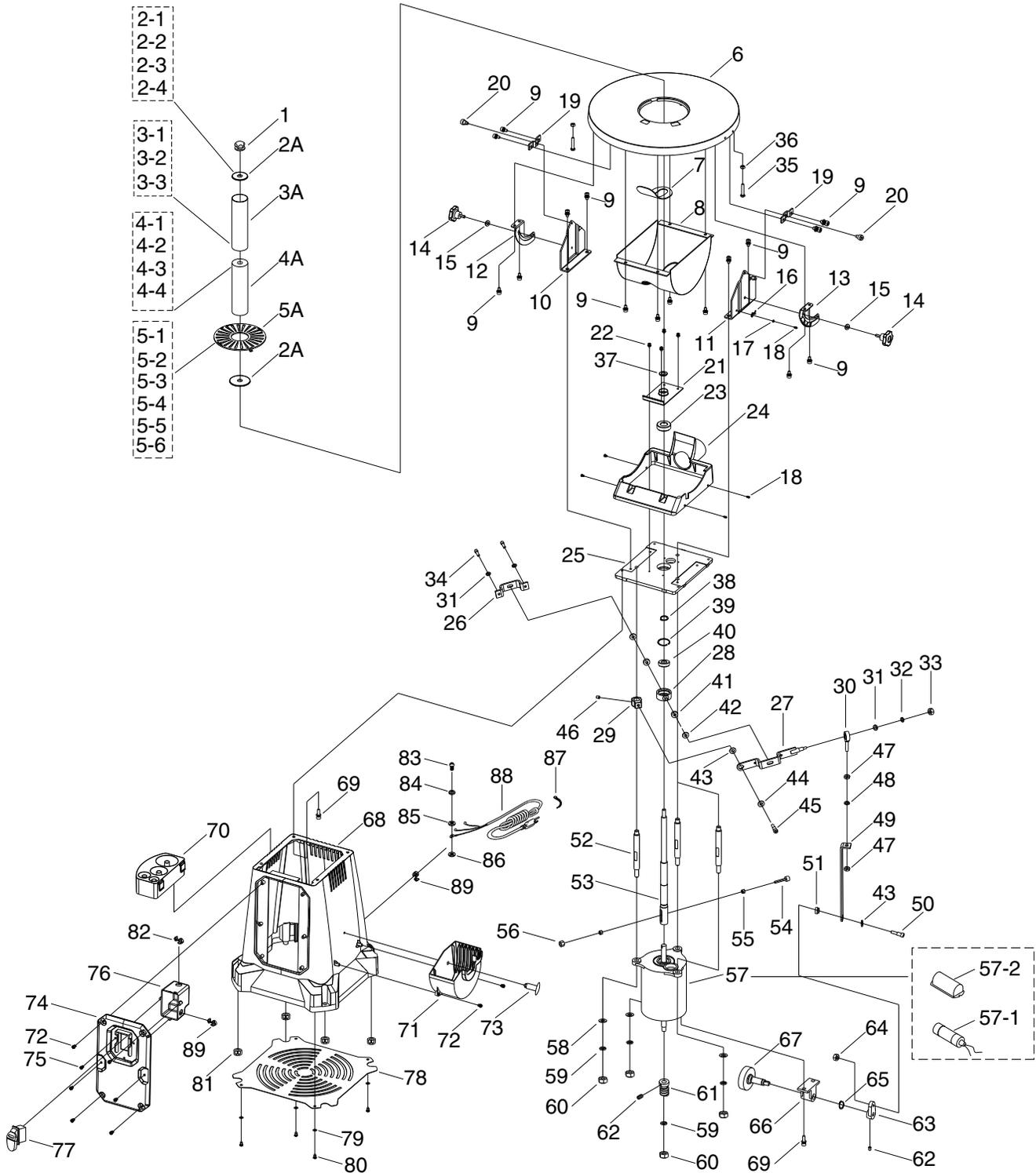
Figure 26. Motor connections.



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 Breakdown



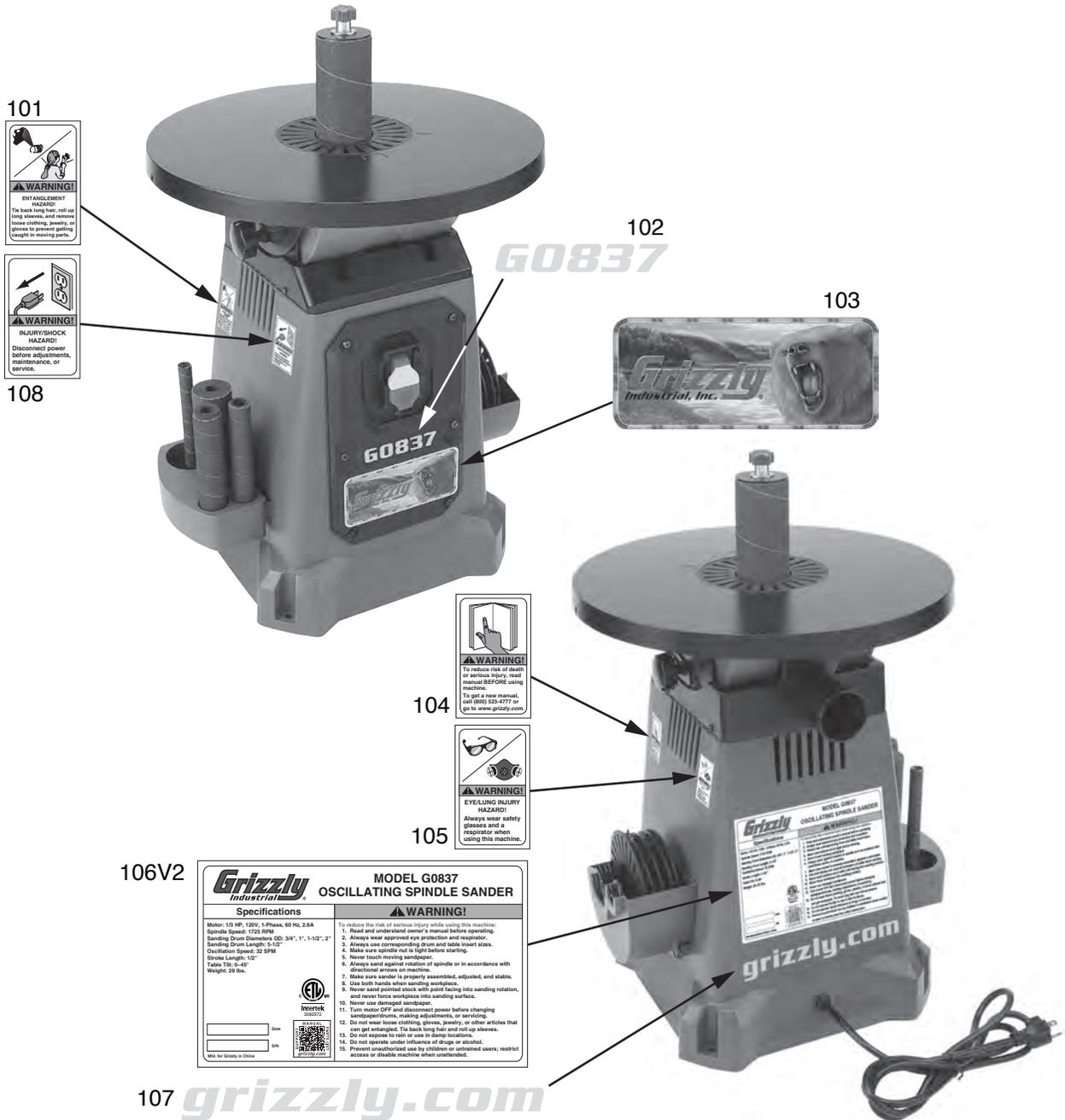
Main Parts List

| REF | PART # | DESCRIPTION |
|-----|------------|--|
| 1 | P0837001 | KNOB M8-1.25 LH |
| 2A | P0837002A | SPINDLE WASHER 4-PC SET |
| 2-1 | P0837002-1 | SPINDLE WASHER 3/4" |
| 2-2 | P0837002-2 | SPINDLE WASHER 1" |
| 2-3 | P0837002-3 | SPINDLE WASHER 1-1/2" |
| 2-4 | P0837002-4 | SPINDLE WASHER 2" |
| 3A | P0837003A | DRUM SLEEVE 5-PC SET |
| 3-1 | P0837003-1 | DRUM SLEEVE 1/2" |
| 3-2 | P0837003-2 | DRUM SLEEVE 3/4" |
| 3-3 | P0837003-3 | DRUM SLEEVE 1" |
| 3-4 | P0837003-4 | DRUM SLEEVE 1-1/2" |
| 3-5 | P0837003-5 | DRUM SLEEVE 2" |
| 4A | P08371004A | RUBBER DRUM 4-PC SET |
| 4-1 | P0837004-1 | RUBBER DRUM 3/4" |
| 4-2 | P0837004-2 | RUBBER DRUM 1" |
| 4-3 | P0837004-3 | RUBBER DRUM 1-1/2" |
| 4-4 | P0837004-4 | RUBBER DRUM 2" |
| 5A | P0837005A | TABLE INSERT 6-PC SET |
| 5-1 | P0837005-1 | TABLE INSERT 1/2" X 3/4" ROUND CENTER |
| 5-2 | P0837005-2 | TABLE INSERT 1" X 1-1/2" ROUND CENTER |
| 5-3 | P0837005-3 | TABLE INSERT 2" ROUND CENTER |
| 5-4 | P0837005-4 | TABLE INSERT 1/2" X 3/4" OBLONG CENTER |
| 5-5 | P0837005-5 | TABLE INSERT 1" X 1-1/2" OBLONG CENTER |
| 5-6 | P0837005-6 | TABLE INSERT 2" OBLONG CENTER |
| 6 | P0837006 | WORK TABLE |
| 7 | P0837007 | DUST-COVER PLATE (UPPER) |
| 8 | P0837008 | DUST CHUTE |
| 9 | P0837009 | CAP SCREW M6-1 X 12 |
| 10 | P0837010 | TABLE BRACKET (LEFT) |
| 11 | P0837011 | TABLE BRACKET (RIGHT) |
| 12 | P0837012 | ANGLE BRACKET (LEFT) |
| 13 | P0837013 | ANGLE BRACKET (RIGHT) |
| 14 | P0837014 | KNOB M6-1 X 10 6-LOBE |
| 15 | P0837015 | FLAT WASHER 6MM |
| 16 | P0837016 | SCALE POINTER |
| 17 | P0837017 | LOCK WASHER 4MM |
| 18 | P0837018 | BUTTON HD CAP SCR M4-.7 X 6 |
| 19 | P0837019 | SET BRACKET |
| 20 | P0837020 | SHOULDER SCREW M6-1 X 8, 8 X 6 |
| 21 | P0837021 | DUST-COVER PLATE (LOWER) |
| 22 | P0837022 | PHLP HD SCR M4-.7 X 10 |
| 23 | P0837023 | BALL BEARING 6003ZZ |
| 24 | P0837024 | PROTECTIVE COVER |
| 25 | P0837025 | MOTOR MOUNTING PLATE |
| 26 | P0837026 | ROCKER MOUNTING PLATE |
| 27 | P0837027 | ROCKER ARM |
| 28 | P0837028 | ROCKER BEARING SEAT |
| 29 | P0837029 | ROCKER SET SLEEVE |
| 30 | P0837030 | BALL JOINT BEARING SAJK8C |
| 31 | P0837031 | FLAT WASHER 5MM |
| 32 | P0837032 | LOCK WASHER 5MM |
| 33 | P0837033 | HEX NUT M5-.8 |
| 34 | P0837034 | CAP SCREW M5-.8 X 12 |
| 35 | P0837035 | HEX BOLT M6-1 X 30 |
| 36 | P0837036 | HEX NUT M6-1 |

| REF | PART # | DESCRIPTION |
|------|------------|---|
| 37 | P0837037 | FELT WASHER 16 X 26 X 2T |
| 38 | P0837038 | EXT RETAINING RING 17MM |
| 39 | P0837039 | FLAT WASHER 30MM THIN |
| 40 | P0837040 | BALL BEARING 61903-2RZ |
| 41 | P0837041 | RUBBER WASHER 6 X 17 X 2T |
| 42 | P0837042 | SADDLED SHAPE WASHER 8MM |
| 43 | P0837043 | FLAT WASHER 8MM |
| 44 | P0837044 | BRASS BUSHING (THIN) |
| 45 | P0837045 | SHOULDER SCREW M6-1 X 22, 8 X 16 |
| 46 | P0837046 | SET SCREW M6-1 X 6 |
| 47 | P0837047 | HEX NUT M8-1.25 |
| 48 | P0837048 | SPRING WASHER 8MM |
| 49 | P0837049 | CONNECTING ROD |
| 50 | P0837050 | SHOULDER SCREW M6-1X 34, 8 X 27 |
| 51 | P0837051 | BRASS BUSHING (THICK) |
| 52 | P0837052 | MOTOR MOUNTING SHAFT |
| 53 | P0837053 | DRUM SHAFT |
| 54 | P0837054 | CAP SCREW M5-.8 X 32 |
| 55 | P0837055 | TRANSMISSION BUSHING |
| 56 | P0837056 | LOCK NUT M8-1.25 |
| 57 | P0837057 | MOTOR 1/3 HP 120V 1-PH |
| 57-1 | P0837057-1 | S CAPACITOR 20UF 250V 1 11/32" X 2 3/4" |
| 57-2 | P0837057-2 | CAPACITOR COVER |
| 58 | P0837058 | FLAT WASHER 10MM |
| 59 | P0837059 | LOCK WASHER 10MM |
| 60 | P0837060 | HEX NUT M10-1.5 |
| 61 | P0837061 | WORM GEAR |
| 62 | P0837062 | SET SCREW M5-.8 X 8 |
| 63 | P0837063 | ECCENTRIC BLOCK |
| 64 | P0837064 | LOCK NUT M6-1 |
| 65 | P0837065 | EXT RETAINING RING 15MM |
| 66 | P0837066 | WORM GEAR SEAT |
| 67 | P0837067 | WORM GEAR SHAFT |
| 68 | P0837068 | BASE |
| 69 | P0837069 | CAP SCREW M6-1 X 16 |
| 70 | P0837070 | RUBBER DRUM HOLDER |
| 71 | P0837071 | TABLE INSERT HOLDER |
| 72 | P0837072 | TAP SCREW M4 X 10 |
| 73 | P0837073 | PLASTIC RIVET 7.5 X 21MM |
| 74 | P0837074 | FRONT PANEL |
| 75 | P0837075 | PHLP HD SCREW M4-.7 X 10 |
| 76 | P0837076 | SWITCH BOX |
| 77 | P0837077 | SAFETY PADDLE SWITCH, HY18-4P |
| 78 | P0837078 | BOTTOM COVER |
| 79 | P0837079 | FLAT WASHER 3MM |
| 80 | P0837080 | PHLP HD SCR M3-.5 X 10 |
| 81 | P0837081 | FOOT PAD |
| 82 | P0837082 | STRAIN RELIEF TYPE-5 PG4 |
| 83 | P0837083 | BUTTON HD SCR M5-.8 X 10 |
| 84 | P0837084 | LOCK WASHER 5MM |
| 85 | P0837085 | FLAT WASHER 5MM |
| 86 | P0837086 | LOCK WASHER 5MM |
| 87 | P0837087 | CABLE TIE 2.5 X 100MM (NYLON) |
| 88 | P0837088 | POWER CORD 18G 3W 72" 5-15P |
| 89 | P0837089 | STRAIN RELIEF TYPE-1 PG4 |



Labels & Cosmetics



| REF | PART # | DESCRIPTION |
|-----|----------|---------------------------|
| 101 | P0837101 | ENTANGLEMENT HAZARD LABEL |
| 102 | P0837102 | MODEL NUMBER LABEL |
| 103 | P0837103 | GRIZZLY BEAR LABEL |
| 104 | P0837104 | READ MANUAL LABEL |

| REF | PART # | DESCRIPTION |
|-------|------------|------------------------------|
| 105 | P0837105 | EYE/LUNG INJURY HAZARD LABEL |
| 106V2 | P0837106V2 | MACHINE ID LABEL V2.02.19 |
| 107 | P0837107 | GRIZZLY.COM LABEL |
| 108 | P0837108 | INJURY/SOCK HAZARD 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 CARD

Name _____
 Street _____
 City _____ State _____ Zip _____
 Phone # _____ Email _____
 Model # _____ Order # _____ Serial # _____

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

1. How did you learn about us?

Advertisement Friend Catalog
 Card Deck Website Other:

2. Which of the following magazines do you subscribe to?

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

3. What is your annual household income?

\$20,000-\$29,000 \$30,000-\$39,000 \$40,000-\$49,000
 \$50,000-\$59,000 \$60,000-\$69,000 \$70,000+

4. What is your age group?

20-29 30-39 40-49
 50-59 60-69 70+

5. How long have you been a woodworker/metalworker?

0-2 Years 2-8 Years 8-20 Years 20+ Years

6. How many of your machines or tools are Grizzly?

0-2 3-5 6-9 10+

7. Do you think your machine represents a good value? Yes No

8. Would you recommend Grizzly Industrial to a friend? Yes No

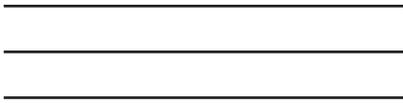
9. Would you allow us to use your name as a reference for Grizzly customers in your area?

Note: We never use names more than 3 times. Yes No

10. Comments: _____

CUT ALONG DOTTED LINE

FOLD ALONG DOTTED LINE



Place
Stamp
Here



GRIZZLY INDUSTRIAL, INC.
P.O. BOX 2069
BELLINGHAM, WA 98227-2069



FOLD ALONG DOTTED LINE

Send a Grizzly Catalog to a friend:

| | |
|--------|-----------------------------|
| Name | _____ |
| Street | _____ |
| City | _____ State _____ Zip _____ |

TAPE ALONG EDGES--PLEASE DO NOT STAPLE

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.

To take advantage of 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.

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.

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.

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