MODEL G1015
KNIFE BLADE
SANDER/BUFFER
OWNER'S MANUAL
(For models manufactured since 7/99)
⚠️ 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](http://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**

**WARNING!**

To reduce risk of serious injury when using this machine:

1. Read and understand manual before operation.
2. Keep guards and protective devices in place.
3. Do not use machine if damaged or not properly adjusted.
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. Do not expose to rain or dampness.
8. Do not modify this machine in any way.
9. Do not expose to rain or dampness.
10. Maintain machine carefully to prevent accidents.

---

**Manufacture Date**

**Serial Number**
Identification

Figure 1. Model G1015 identification.

WARNING
To reduce your risk of serious injury, read this entire manual BEFORE using machine.
# Model G1015 Knife Belt Sander / Buffer

## Product Dimensions:
- **Weight**: 105 lbs.
- **Length/Width/Height**: 38-3/4 x 29-1/2 x 39 in.
- **Foot Print (Length/Width)**: 10 x 16-1/4 in.

## Shipping Dimensions:

<table>
<thead>
<tr>
<th>Carton #1</th>
<th>Carton #2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Cardboard</td>
</tr>
<tr>
<td><strong>Content</strong></td>
<td>Machine</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>58 lbs.</td>
</tr>
<tr>
<td><strong>Length/Width/Height</strong></td>
<td>31 x 17 x 15 in.</td>
</tr>
</tbody>
</table>

## Electrical:
- **Switch**: Push Pull
- **Switch Voltage**: 110V
- **Cord Length**: 5 ft.
- **Cord Gauge**: 16 gauge
- **Minimum Circuit Size**: 15 amp
- **Plug Included**: Yes

## Motors:
- **Main**
  - **Type**: TEFC Capacitor Start Induction
  - **Horsepower**: 1 HP
  - **Voltage**: 110V
  - **Prewired**: 110V
  - **Phase**: Single
  - **Amps**: 14A
  - **Speed**: 1725 RPM
  - **Cycle**: 60 Hz
  - **Number Of Speeds**: 1
  - **Power Transfer**: Direct Drive
  - **Bearings**: Shielded and Permanently Lubricated

## Main Specifications:
### Belt Info
- **Sanding Belt Width**: 2 in.
- **Sanding Belt Length**: 72 - 76 in.
- **Sanding Belt Speed**: 3600 FPM
- **Belt Arm Tilt**: 0 - 90 deg.
- **Height Belt Arm Horizontal**: 11-1/2 in.
- **Height Belt Arm Vertical**: 39 in.
- **Belt Release**: Quick Release
- **Drive Roller Type**: Cast Aluminum with R
- **Drive Roller Length**: 7 in.
- **Drive Wheel Diameter**: 8 in.
- **Idler Roller Type**: Aluminum
- **Idler Roller Length**: 2 in.
- **Idler Roller Diameter**: 4 in.

### Spindle Info
- **Spindle Speed**: 1750 RPM
- **Arbor Size**: 5/8 in.
- **Total Arbor Length**: 8 in.
- **Auxiliary Arbor Size**: 1 in.
- **Auxiliary Arbor Length**: 8-1/8 in.
- **Shaft Height**: 7-1/2 in.

### Wheel Info
- **Buffing Wheel Cap**: 10 in.

### Platen Info
- **Platen Type**: Graphite Coated
- **Platen Length**: 9-1/4 in.
- **Platen Width**: 1-7/8 in.

### Construction
- **Base Construction**: Cast Iron
- **Frame Construction**: Cast Iron
- **Paint**: Epoxy

### Other Specifications:
- **Country Of Origin**: Taiwan
- **Warranty**: 1 Year
- **Serial Number Location**: On Front Sticker
- **Assembly Time**: 1 hour

### Features:
- Belt Arm Can Be Fully Tilted
- Auxiliary Arbor Accepts Buffing Wheels, Sanding Drums, or Flap Wheels
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 Sander/Buffers

⚠️WARNING

Serious injury or death can occur from fingers, clothing, jewelry, or hair getting entangled in rotating disc, belt, spindle or other moving components. Abrasion injuries can occur from touching moving sandpaper with bare skin. Workpieces thrown by sanding surface 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 or bystanders MUST completely heed the hazards and warnings below.

SANDPAPER DIRECTION. Feeding workpiece incorrectly can cause it to be thrown from machine, striking operator or bystanders, or causing your hands to slip into the moving sandpaper. To reduce these risks, only sand against direction of sandpaper travel, ensure workpiece is properly supported, and avoid introducing sharp edges into moving sandpaper on the leading side of the workpiece.

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

HAND PLACEMENT. Rotating sandpaper can remove a large amount of flesh quickly. Always keep hands away from sandpaper during operation. Never touch moving sandpaper on purpose. Use a brush to clean table of sawdust and chips.

FEEDING WORKPIECE. Forcefully jamming workpiece into sanding surface could cause it to be grabbed aggressively, pulling hands into sanding surface. Firmly grasp workpiece in both hands and ease it into sandpaper using light pressure.

IN-RUNNING NIP POINTS. The gap between moving sandpaper and fixed table/support creates a pinch point for fingers or workpieces; the larger this gap is, the greater the risk of fingers or workpieces getting caught in it. Minimize this risk by adjusting table/support to no more than ⅛" away from sandpaper. For spindle sanders, always use the table insert that fits closest diameter of installed drum.

AVOIDING ENTANGLEMENT. Becoming entangled in moving parts can cause pinching and crushing injuries. To avoid these hazards, keep all guards in place and closed. DO NOT wear loose clothing, gloves, or jewelry, and tie back long hair.

WORKPIECE SUPPORT. Workpiece kickback can occur with violent force if workpiece is not properly supported during operation. Always sand with workpiece firmly against table or another support device.

MINIMUM STOCK DIMENSION. Small workpieces can be aggressively pulled from your hands, causing contact with sanding surface. Always use a jig or other holding device when sanding small workpieces, and keep hands and fingers at least 2" away from sanding surface.

WORKPIECE INTEGRITY. Sanding fragile workpieces can result in loss of control, resulting in abrasion injuries, impact injuries, or damage to sandpaper. Only sand solid workpieces that can withstand power sanding forces. Make sure workpiece shape 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.

SANDING DUST. Sanding creates large amounts of dust that can lead to eye injury or 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.
SECTION 2: POWER SUPPLY

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

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

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

Full-Load Current Rating at 110V...... 14 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 ............... 110V, 115V, 120V
Cycle ......................................................60 Hz
Phase........................................... Single-Phase
Power Supply Circuit ............... 20 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!

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Glasses</td>
<td>1</td>
</tr>
<tr>
<td>Cleaner/Degreaser (Page 13)</td>
<td>As Needed</td>
</tr>
<tr>
<td>Disposable Shop Rags</td>
<td>As Needed</td>
</tr>
<tr>
<td>Hex Wrench 4mm</td>
<td>1</td>
</tr>
<tr>
<td>Hex Wrench 5mm</td>
<td>1</td>
</tr>
<tr>
<td>Hex Wrench 6mm</td>
<td>1</td>
</tr>
<tr>
<td>Dead-Blow Hammer</td>
<td>1</td>
</tr>
<tr>
<td>Mounting Hardware (Page 15)</td>
<td>As Needed</td>
</tr>
</tbody>
</table>

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### Unpacking

Your machine was carefully packaged for safe transportation. Remove the packaging materials from around your machine and inspect it. If you discover the machine is damaged, please immediately call Customer Service at (570) 546-9663 for advice.

Save the containers and all packing materials for possible inspection by the carrier or its agent. Otherwise, filing a freight claim can be difficult.

When you are completely satisfied with the condition of your shipment, inventory the contents.

**WARNING**
SUFFOCATION HAZARD!
Keep children and pets away from plastic bags or packing materials shipped with this machine. Discard immediately.
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 3)  

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Motor Assembly</td>
<td>1</td>
</tr>
<tr>
<td>B. Sanding Belt 2&quot; x 72&quot;, 100G</td>
<td>1</td>
</tr>
<tr>
<td>C. Pivot Arm Mounting Bracket</td>
<td>1</td>
</tr>
<tr>
<td>D. Sanding Arm Assembly</td>
<td>1</td>
</tr>
<tr>
<td>E. Quick Release Lever Knob</td>
<td>1</td>
</tr>
<tr>
<td>F. Cap Screws ¼&quot;-20 x ½&quot;</td>
<td>6</td>
</tr>
<tr>
<td>G. Mounting Adapter</td>
<td>1</td>
</tr>
<tr>
<td>H. Drive Wheel Flanges</td>
<td>2</td>
</tr>
<tr>
<td>I. Drive Wheel Arbor Hex Nut 5/8&quot;-16</td>
<td>1</td>
</tr>
<tr>
<td>J. Auxiliary Arbor Flanges</td>
<td>2</td>
</tr>
<tr>
<td>K. Auxiliary Arbor Flanges &amp; Nut 5/8&quot;-18</td>
<td>1</td>
</tr>
<tr>
<td>L. Pivot Arm Bracket</td>
<td>1</td>
</tr>
<tr>
<td>M. Pivot Arm</td>
<td>1</td>
</tr>
<tr>
<td>N. Drive Wheel</td>
<td>1</td>
</tr>
<tr>
<td>O. Tool Rest Supports</td>
<td>2</td>
</tr>
<tr>
<td>P. Tool Rest</td>
<td>1</td>
</tr>
<tr>
<td>Q. Platen Bracket</td>
<td>1</td>
</tr>
<tr>
<td>R. Sanding Platen</td>
<td>1</td>
</tr>
</tbody>
</table>

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.

Figure 3. Model G1015 inventory.
Hardware Recognition Chart

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

- Hex Wrench
- Phillips Head Screw
- Flat Head Screw
- Wing Nut
- Tap Screw
- Cap Screw
- Carriage Bolt
- Flange Bolt
- Button Head Screw
- Lock Nut
- Set Screw
- Hex Bolt
- External Retaining Ring
- Internal Retaining Ring
- E-Clip

MEASURE BOLT DIAMETER BY PLACING INSIDE CIRCLE

4mm
5mm
6mm
8mm
10mm
12mm
16mm

LINES ARE 1MM APART

LINES ARE 1/8" INCH APART

WASHER DIAMETER

12mm
10mm
8mm
6mm
4mm
#10

WASHER DIAMETER

5/8" 9/16" 1/2" 7/16" 3/8" 1/4" 5/32" 1/8"
The unpainted surfaces of your machine are coated with a heavy-duty rust preventative that prevents corrosion during shipment and storage. This rust preventative works extremely well, but it will take a little time to clean.

Be patient and do a thorough job cleaning your machine. The time you spend doing this now will give you a better appreciation for the proper care of your machine's unpainted surfaces.

There are many ways to remove this rust preventative, but the following steps work well in a wide variety of situations. Always follow the manufacturer's instructions with any cleaning product you use and make sure you work in a well-ventilated area to minimize exposure to toxic fumes.

**Before cleaning, gather the following:**
- Disposable rags
- Cleaner/dgreaser (WD-40 works well)
- Safety glasses & disposable gloves
- Plastic paint scraper (optional)

**Basic steps for removing rust preventative:**

1. Put on safety glasses.

2. Coat the rust preventative with a liberal amount of cleaner/dgreaser, then let it soak for 5–10 minutes.

3. Wipe off the surfaces. If your cleaner/dgreaser is effective, the rust preventative will wipe off easily. If you have a plastic paint scraper, scrape off as much as you can first, then wipe off the rest with the rag.

4. Repeat **Steps 2–3** as necessary until clean, then coat all unpainted surfaces with a quality metal protectant to prevent rust.

---

**WARNING**
Gasoline and petroleum products have low flash points and can explode or cause fire if used to clean machinery. **Avoid using these products to clean machinery.**

**CAUTION**
Many cleaning solvents are toxic if inhaled. Only work in a well-ventilated area.

**NOTICE**
Avoid chlorine-based solvents, such as acetone or brake parts cleaner, that may damage painted surfaces.

T23692—Orange Power Degreaser
A great product for removing the waxy shipping grease from the **non-painted** parts of the machine during clean up.

**Figure 4.** T23692 Orange Power Degreaser.
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/cover 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.

---

**Figure 5.** Minimum working clearances.

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[Diagram showing minimum working clearances with dimensions: 29½ inches and 9½ inches.]
Mounting

The Model G1015 is a top-heavy machine. Pressure applied to the sanding arm during operation could easily tip the machine over, causing personal injury or property damage. To prevent this, you must firmly mount this machine to a flat, stable surface, such as a workbench, before beginning operations.

Note: During assembly, the position of the sanding arm bracket will change in relation to the motor assembly. DO NOT mount the machine to a surface until instructed to in the setup procedure.

The base of the motor assembly and the sanding arm bracket have eight holes for mounting the machine to a workbench. The strongest mounting option is a "Through Mount," where holes are drilled all the way through the workbench, and hex bolts, washers, and hex nuts are used to secure the machine to the workbench.

Another option for mounting is a "Direct Mount" where the machine is simply secured to the workbench with a lag screw.

Assembly

To assemble this machine:

1. Slide the mounting adapter onto the right-hand arbor of the motor assembly with the countersunk holes facing out, then rotate it so that the flat edge is at the 10 o'clock position, as shown in Figure 8.

2. Secure the adapter to the motor assembly with (3) ¼"-20 x ½" cap screws.
3. Back out the cap screws and set screws in the pivot arm mounting bracket and the pivot arm bracket, then slide the arm bracket onto the mounting bracket, as shown in Figures 9–10.

**Note:** The pivot arm bracket bushing is shipped with a lubricating grease coating on its outside surface. This lubricant will keep the motion of the pivot arm smooth during operation and reduce the wear on the metal-to-metal surfaces.

4. For now, finger-tighten the three cap screws enough to hold the parts together. You will fully tighten these fasteners in a later step.

**Note:** Make sure the four set screws do not make contact with the other part of the assembly.

5. Slide the arm bracket assembly onto the right-hand arbor with the arm bracket bushing facing out, as shown in Figure 11, then secure it with the remaining (3) ¼"-20 x ½" cap screws.

6. Move the machine to the selected mounting surface, and use the eight holes in the base of the motor assembly and the arm bracket assembly as a template for drilling the mounting holes.

7. Loosen the three cap screws of the pivot arm bracket assembly (see Figures 9–10), then use the mounting hardware you have chosen to firmly secure the motor assembly and the bracket assembly in place.

**Note:** Before fully tightening the mounting hardware, make sure that the three cap screws and four set screws of the arm bracket assembly are loose. This will allow the mounting bracket to lay flat on the mounting surface.

8. Tighten the four set screws in the arm bracket assembly (see Figures 9–10) just until you feel resistance. This will keep the two parts of the assembly stable during operation.

9. Fully tighten the three cap screws on the arm bracket assembly.
10. Back out the two set screws in the round housing of the pivot arm, slide the arm onto the bracket bushing so that the platen bracket cap screws are facing to the right, as shown in Figure 12, then tighten the set screws to hold the pivot arm in place.

**Note:** The pivot arm and bushing are designed so that the set screws tighten into the grooved surface of the bushing. This keeps the pivot arm from sliding off the bushing when using the tilt feature.

11. Slide the drive wheel onto the right-hand arbor with a drive wheel flange (¾” center bore) on each side, then secure it in place with the remaining ¾”-16 arbor hex nut (see Figure 13).

**Note:** It may be necessary to use a dead-blow hammer to seat the drive wheel onto the arbor. Take great care not to damage the drive wheel or the threads of the arbor.

12. Remove the two threaded knobs and flat washers from the sanding arm assembly, insert the shaft into the pivot arm tube until the lock collar rests on top of the tube, as shown in Figure 14, then re-install the knobs and flat washers to hold it in place.

13. Install the quick release lever knob as shown in Figure 14.

14. Install the platen bracket onto the pivot arm with the pre-installed hardware, as shown in Figure 15.

15. Install the sanding platen onto the platen bracket with the pre-installed hardware, as shown in Figure 15.
16. Remove the three cap screws and flat washers that hold the two pieces of the tool rest support assembly together.

17. Mount the first tool rest support that is flat on both sides to the back of the arm bracket with the \( \frac{5}{16}'' \times 18 \times \frac{3}{4}'' \) cap screw (the shortest of the three) and flat washer removed in Step 16, as shown in Figure 16.

18. Position the second tool rest support so that its flat face is against the first support, then secure it with the (1) \( \frac{5}{16}'' \times 18 \times 1\frac{1}{4}'' \) cap screw and flat washer removed in Step 16, as shown in Figure 17.

**Note:** There are several holes provided for attaching the tool rest assembly so that you can choose the best position for your operation.

19. Secure the tool rest to the support assembly with the remaining \( \frac{5}{16}'' \times 18 \times 1\frac{1}{4}'' \) cap screw and flat washer, as shown in Figure 17.

**Note:** When the sanding belt is installed and properly tensioned, there should be no more than \( \frac{1}{8}'' \) between the tool rest and the belt to ensure the workpiece will not become trapped between the rest and belt during operation.

---

**Test Run**

Once the assembly is complete, test run your machine to make sure it runs properly.

If, during the test run, you cannot easily locate the source of an unusual noise or vibration, stop using the machine immediately, then review the Troubleshooting on Page 26.

If you still cannot remedy a problem, contact our Tech Support at (570) 546-9663 for assistance.

**To test run the machine:**

1. Make sure you have read the safety instructions at the beginning of the manual and that the machine is set up properly.

2. Make sure all tools and objects used during setup are cleared away from the machine, and that a sanding belt or auxiliary attachment are NOT installed on the machine.

3. Make sure the ON/OFF button is pushed in, then connect the machine to power.

4. Pull the ON/OFF button out to turn the machine **ON**.

5. Listen to and watch for abnormal noises or actions. The machine should run smoothly with little or no vibration or rubbing noises.

---Strange or unusual noises should be investigated and corrected before operating the machine further. Always disconnect the machine from power when investigating or correcting potential problems.

6. Push the ON/OFF button in to turn the machine **OFF**.
SECTION 4: OPERATIONS

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

WARNING
Eye injuries, respiratory problems, or hearing loss can occur while operating this tool. Wear personal protective equipment to reduce your risk from these hazards.

WARNING
Keep hair, clothing, and jewelry away from moving parts at all times. Entanglement can result in death, amputation, or severe crushing injuries!

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 Overview

The Model G1015 is a versatile machine that can perform a number of different tasks. The following overview gives you the basic process that happens during a sanding operation. Familiarize yourself with this process to better understand the remaining parts of the Operation section.

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

1. Examines the workpiece to make sure it is suitable for sanding.
2. Installs the correct sanding belt for the operation (composition and grit).
3. Turns the drive wheel by hand to make sure the sanding belt is tracking correctly and is properly tensioned.
4. Verifies that the platen is centered on the sanding belt.
5. Adjusts the tool rest to the correct position for the operation and makes sure that it is no more than 1/8” away from the sanding belt.
6. Connects the machine to power and pulls the ON/OFF button out to turn it ON.
7. Verifies that the sanding belt is tracking properly and rotating without interference.
8. Places the workpiece onto the tool rest and slowly moves it into the sanding belt with the direction of the belt.
9. Removes the workpiece and pushes the ON/OFF button in to turn the machine OFF.
Sanding Belt

The Model G1015 accepts sanding belts that are 2" wide and 72"–76" in length.

**Note:** If you use the optional Model G9242 10" drive wheel, you need to use a sanding belt that is longer than the included 72" belt.

To ensure a safe operation and good sanding results, the sanding belt must be properly installed, tensioned, and tracked.

**Installing Sanding Belt**

1. **DISCONNECT MACHINE FROM POWER!**

2. With the direction arrows printed on the inside front of the belt facing down, pull down on the quick release lever and wrap the belt around idler and drive wheels so that it is centered on both, as shown in **Figure 18**, then release the lever.

   **Note:** To prevent the belt seam from catching on the workpiece, install the belt so that the direction arrows printed on the inside face of the belt follow the belt rotation, as shown in **Figure 18**.

3. Adjust the platen so that it is centered behind the belt.

4. If needed for your operation, adjust the tool rest position as required. Make sure that it is no more than 1/8" away from the sanding belt to prevent the workpiece being trapped between the tool rest and belt.

**Tensioning Sanding Belt**

The sanding belt is properly tensioned when there is approximately 1/2" deflection with slight pressure applied to the back loop of the belt, as shown in **Figure 19**.

![Figure 19. Checking the sanding belt tension.](image)

The sanding belt is adjusted by raising or lowering the sanding arm assembly.

**Tools Needed**

<table>
<thead>
<tr>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hex Wrench 3/16&quot;</td>
</tr>
</tbody>
</table>

To correctly tension the sanding belt:

1. **DISCONNECT MACHINE FROM POWER!**

2. Make sure the sanding belt is correctly installed and centered on the idler and drive wheels.

---

**WARNING**

If the sanding belt comes loose from the machine during operation, it could cause serious personal injury from entanglement or abrasion. ALWAYS make sure the sanding belt is properly installed, tensioned, and tracked before connecting the machine to power.
3. Hold onto the sanding arm assembly to keep it from moving, then loosen the threaded knobs and the lock collar cap screw shown in Figure 20.

![Figure 20. Sanding belt tension controls.](image)

4. Adjust the height of the sanding arm assembly so there is the correct amount of tension on the sanding belt, then re-tighten the threaded knobs to hold the assembly in place.

5. Adjust the lock collar so that it is firmly seated on the pivot arm top, then re-tighten its cap screw.

   **Note:** The lock collar ensures the stability and position of the sanding arm beyond the holding power of the threaded knobs.

6. Re-check the sanding belt tension. If necessary, repeat this procedure until the correct belt tension is achieved.

**Adjusting Sanding Belt Tracking**

To ensure a safe operation, the sanding belt must stay centered on the idler and drive wheels while the machine is **ON**. This is a trial-and-error process that requires some patience.

**To adjust the sanding belt tracking:**

1. **DISCONNECT MACHINE FROM POWER!**

2. Make sure the sanding belt is correctly installed and tensioned.

3. Rotate the drive wheel several times by hand and watch the sanding belt as it tracks on the idler and drive wheels.

   —If the sanding belt is centered on the idler and drive wheels, and does not move to one side or the other after several rotations, no further adjustments are necessary.

   —If the sanding belt moves to one side or the other while rotating, continue with this procedure.

4. Make a small adjustment to the tracking adjustment knob, then rotate the drive wheel several times while observing the sanding belt (see Figure 21).

   ![Figure 21. Sanding belt tracking adjustment knob.](image)

   —If the sanding belt moves to the right, rotate the adjustment knob clockwise.

   —If the sanding belt moves to the left, rotate the adjustment knob counterclockwise.

5. Repeat **Step 4** until the sanding belt stays centered on the idler and drive wheels after several rotations.

6. To verify the sanding belt tracking, turn the machine **ON** and watch the belt tracking.

   —If the belt does not wander, then it is tracked correctly.

   —If the belt does wander, very slowly adjust the tracking adjustment knob until the belt stays centered on the wheels.
Belt Sanding

The sanding belt is used to sand wood or metal. We recommend using aluminum oxide sanding belts for wood and silicon carbide for metal. Refer to Accessories on Page 24 for options from Grizzly.

Always be sure the sanding belt is properly installed, tensioned, and tracked before connecting the machine to power (refer to the Sanding Belt subsection on Page 20 for detailed instructions).

Always adjust the tool rest so that it is no more than 1/8" away from the belt. This helps to ensure that the workpiece does not get trapped between the rest and the belt.

Make sure the platen is centered on the sanding belt. This graphite-faced platen provides an excellent surface for angular sanding or polishing.

Figure 22 shows a typical wood sanding operation with the tool rest perpendicular to the belt surface.

The sanding belt is also used for knife grinding and sharpening. Figure 23 depicts a typical knife edge grinding operation. Generally, this is done with the tool rest removed.

Note: There are many different techniques for using the sanding belt to grind and sharpen knives. Whichever one you use, make sure that you hold the knife firmly and ease it into the belt without excessive pressure to ensure a safe operation.

Figure 23. Typical knife grinding operation.

The belt is also used for contour sanding. When doing this type of operation, it is best to remove the platen and the tool rest so the belt can flex to better conform to the shape of the workpiece (see Figure 24).

Figure 24. An example of contour sanding.
The sanding arm assembly tilts to a horizontal position, as shown in Figure 25. This arrangement is more convenient for certain types of sanding or grinding operations.

Figure 25. Sanding arm assembly in the horizontal position.

To position the sanding arm assembly horizontally:

1. DISCONNECT MACHINE FROM POWER!

2. While holding the arm assembly, loosen the two set screws in the round housing of the pivot arm.

3. Pivot the assembly to the desired angle, then re-tighten the pivot arm set screws to secure it in place.

4. Adjust the tool rest in the position that is correct for your operation.

   Note: If you will be using the contour of the drive wheel for sanding or grinding, remove the tool rest assembly so that it will not interfere with the operation. Otherwise, you will need to mount it differently so that it will not interfere with the sanding belt.

5. Check and adjust, if necessary, the sanding belt tracking (refer to Adjusting Sanding Belt Tracking on Page 21 for detailed instructions).

Auxiliary Attachments

The auxiliary arbor accepts buffing, polishing, or sanding attachments with a 5/8" bore and up to a 10" diameter. Refer to Accessories on Page 24 for options from Grizzly.

When mounting buffing wheels, sandwich them between the auxiliary flanges before sliding them onto the left side arbor, as shown in Figure 26, then install the 5/8" left-hand thread auxiliary arbor nut to secure it in place.

Note: The installation of attachments other than buffing wheels do not require the flanges.

Make sure that you ease the workpiece into the attachment on the bottom front contour, as illustrated in Figure 27.

Figure 26. Buffing wheel installed.

Figure 27. Using the bottom front contour of the attachment.
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.

Sanding Belts for the Model G1015, 2" x 72"
G2744—Aluminum Oxide, 60 Grit
G2745—Aluminum Oxide, 100 Grit
G2746—Aluminum Oxide, 150 Grit
G2747—Aluminum Oxide, 220 Grit
G4872—Silicon Carbide, 80 Grit
G4873—Silicon Carbide, 150 Grit
G4874—Silicon Carbide, 240 Grit
G4875—Silicon Carbide, 320 Grit
G4876—Silicon Carbide, 6000 Grit

Loose Muslin Buffing Wheels
Soft feathered edge muslin is concentrically stitched near the center, leaving the outer edge to provide a fine polishing surface. Perfect for stainless steel, chrome, gold, or silver.
H4691—4"D x 40 Ply x 5/8" Bore
H4692—5"D x 40 Ply x 5/8" Bore
H4693—6"D x 40 Ply x 5/8" Bore
H4694—8"D x 40 Ply x 5/8" Bore

Figure 28. Muslin buffing wheel.

Spiral Sewn Buffing Wheels
Each layer is 100% unbleached cotton sheeting, spiral sewn approximately 1/8" apart. For final finishing on brass, stainless steel, aluminum, bronze, and cast iron. Available in plys of 30, 40, and 60 from 3" to 8" diameters.

Figure 31. Spiral sewn buffing wheel.

High-End Buffing Compounds, Pastes, & Polishes
In our search for the best buffing and polishing compounds money can buy, we came across the German company Menzerna that makes compounds for virtually all buffing and polishing needs.

Airway-Hard Buffing Wheels
These buffs are 100% cotton that’s been treated to stiffen the material. Pleats help hold compound. Perfect for removing light scratches in a variety of metals.
H4697—6"D x 5/8" Bore
H1388—8"D x 5/8" Bore

Figure 29. Airway-Hard buffing wheel.
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.
- Damaged or worn sanding belt.
- Worn or damaged wires.
- Any other unsafe condition.

Monthly Check:
- Lubricate pivot arm bushing.

Cleaning

Cleaning the Model G1015 is relatively easy. Vacuum excess chips, sawdust, and debris, then wipe off the remaining dust and grime with a dry cloth. If any resin has built up, use a resin dissolving cleaner to remove it. Treat all unpainted cast iron and steel with a non-staining lubricant after cleaning.

Lubrication

The bearings for the Model G1015 were lubricated and sealed at the factory. Merely leave them alone unless they need replacement.

To lubricate the pivot arm bushing, remove the sanding arm assembly and pivot arm, then apply a light coat of multi-purpose grease to the outer surface of the bushing (see Figure 32).
SECTION 7: SERVICE

Review the troubleshooting and procedures in this section to fix or adjust your machine if a problem develops. If you need replacement parts or you are unsure of your repair skills, then feel free to call our Technical Support at (570) 546-9663.

Troubleshooting

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible Cause</th>
<th>Possible Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine does not start or a breaker trips.</td>
<td>1. Power supply switched OFF or at fault.</td>
<td>1. Ensure power supply is on/has correct voltage.</td>
</tr>
<tr>
<td></td>
<td>2. Plug/receptacle at fault/wired wrong.</td>
<td>2. Test for good contacts; correct the wiring.</td>
</tr>
<tr>
<td></td>
<td>3. Start capacitor at fault.</td>
<td>3. Test/replace if faulty.</td>
</tr>
<tr>
<td></td>
<td>4. Wall circuit breaker tripped.</td>
<td>4. Ensure circuit size is correct/replace weak breaker.</td>
</tr>
<tr>
<td></td>
<td>5. Wiring open/has high resistance.</td>
<td>5. Check/fix broken, disconnected, or corroded wires.</td>
</tr>
<tr>
<td></td>
<td>6. Motor ON/OFF button at fault.</td>
<td>6. Replace button.</td>
</tr>
<tr>
<td>Machine stalls or is underpowered.</td>
<td>1. Too much load applied with workpiece.</td>
<td>1. Ease the workpiece into the sanding belt or attachment with light pressure.</td>
</tr>
<tr>
<td></td>
<td>3. Plug/receptacle at fault.</td>
<td>3. Test for good contacts/correct wiring.</td>
</tr>
<tr>
<td></td>
<td>5. Machine undersized for task.</td>
<td>5. Use new grinding/buffing wheel; reduce the feed rate.</td>
</tr>
<tr>
<td>Machine has vibration or noisy operation.</td>
<td>1. Motor or component loose.</td>
<td>1. Inspect/replace damaged bolts/nuts, and re-tighten with thread locking fluid.</td>
</tr>
<tr>
<td></td>
<td>2. Idler/drive wheel loose.</td>
<td>2. Realign/replace shaft, wheel, set screw, and key.</td>
</tr>
<tr>
<td></td>
<td>3. Incorrectly mounted to workbench.</td>
<td>3. Re-tighten mounting hardware; use shims if necessary.</td>
</tr>
<tr>
<td></td>
<td>4. Motor bearings at fault.</td>
<td>4. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement.</td>
</tr>
<tr>
<td></td>
<td>5. Motor shaft bent.</td>
<td>5. Test with dial indicator and replace motor.</td>
</tr>
<tr>
<td></td>
<td>2. Belt not correctly tensioned.</td>
<td>2. Correctly adjust the belt tension (Page 20).</td>
</tr>
<tr>
<td></td>
<td>3. Belt is damaged.</td>
<td>3. Replace belt.</td>
</tr>
<tr>
<td>Sanding belt breaking or tearing.</td>
<td>1. Belt tension too tight.</td>
<td>1. Correctly adjust the belt tension (Page 20).</td>
</tr>
<tr>
<td></td>
<td>2. Belt rotation incorrect.</td>
<td>2. Make sure belt is installed with direction arrows following rotation direction (Page 20).</td>
</tr>
<tr>
<td></td>
<td>3. Poor quality/incorrect type belt.</td>
<td>3. Replace belt with good quality belt of the correct type for the operation.</td>
</tr>
<tr>
<td>Symptom</td>
<td>Possible Cause</td>
<td>Possible Solution</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Sanding belt makes grinding noise during operation. | 1. Belt rubbing against wheel housing.  
2. Tool rest rubbing against belt.  
3. Graphite coating on platen worn out.  
4. Idler wheel bearing worn out. | 1. Adjust upper wheel guard; correctly adjust belt tracking (Page 21).  
2. Adjust tool rest away from belt no more than ¼”.  
3. Replace platen.  
4. Replace bearing and idler wheel. |
| Pivot arm hard to move.                      | 1. Pivot arm set screws tight.  
2. Pivot arm bushing not lubricated. | 1. Loosen pivot arm set screws before rotating the arm (Page 23).  
2. Lubricate the bushing arm bushing (Page 25). |
SECTION 8: WIRING

These pages are current at the time of printing. However, in the spirit of improvement, we may make changes to the electrical systems of future machines. 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.

⚠️ WARNING

Wiring Safety Instructions

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

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

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

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

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

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

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

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

Figure 33. Electrical wiring.
# SECTION 9: PARTS

## Main

<table>
<thead>
<tr>
<th>REF</th>
<th>PART #</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>P1015001</td>
<td>BASE</td>
</tr>
<tr>
<td>2</td>
<td>P1015002</td>
<td>MOTOR CASE</td>
</tr>
<tr>
<td>3</td>
<td>P1015003</td>
<td>PHLP HD SCR 5/16-18 X 1-1/4</td>
</tr>
<tr>
<td>4</td>
<td>P1015004</td>
<td>LOCK WASHER 5/16</td>
</tr>
<tr>
<td>5</td>
<td>P1015005</td>
<td>HEX NUT 5/16-18</td>
</tr>
<tr>
<td>6</td>
<td>P1015006</td>
<td>STATOR WINDING</td>
</tr>
<tr>
<td>7</td>
<td>P1015007</td>
<td>CONTACT PLT, LG, INT PT</td>
</tr>
<tr>
<td>8</td>
<td>P1015008</td>
<td>LOCK WASHER 3/16</td>
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<td>9</td>
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<td>PHLP HD SCR 10-24 X 1/2</td>
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<td>P1015010</td>
<td>ROTOR/SHAFT</td>
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<td>P1015011</td>
<td>FAN</td>
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<td>P1015012</td>
<td>CENTRIFUGAL SWITCH</td>
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<td>P1015013</td>
<td>END BELL</td>
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<td>14</td>
<td>P1015014</td>
<td>BALL BEARING 6206ZZ</td>
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<td>P1015015</td>
<td>LOCK WASHER 1/4</td>
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<td>16</td>
<td>P1015016</td>
<td>PHLP HD SCR 1/4-20 X 5/8</td>
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<tr>
<td>17</td>
<td>P1015017</td>
<td>CORD CLAMP</td>
</tr>
<tr>
<td>17-1</td>
<td>P1015017-1</td>
<td>STRAIN RELIEF</td>
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<tr>
<td>18</td>
<td>P1015018</td>
<td>PHLP HD SCR 10-24 X 1-1/4</td>
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<tr>
<td>19</td>
<td>P1015019</td>
<td>POWER CORD 16GA/3W 73’L</td>
</tr>
<tr>
<td>20</td>
<td>P1015020</td>
<td>ON/OFF BUTTON</td>
</tr>
<tr>
<td>21</td>
<td>P1015021</td>
<td>PHLP HD SCR 10-24 X 1/2</td>
</tr>
<tr>
<td>22</td>
<td>P1015022</td>
<td>S CAPACITOR 400M 125V 1-3/4 X 3-3/8</td>
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<tr>
<td>23</td>
<td>P1015023</td>
<td>CAPACITOR COVER</td>
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<td>P1015024</td>
<td>CAPACITOR CLAMP</td>
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<td>P1015025</td>
<td>PHLP HD SCR 10-24 X 3/8</td>
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<td>26</td>
<td>P1015026</td>
<td>COVER PLATE</td>
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<tr>
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<td>P1015027</td>
<td>FLAT WASHER 1/4</td>
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<td>P1015028</td>
<td>PHLP HD SCR 10-24 X 3/8</td>
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<tr>
<td>29A</td>
<td>P1015029A</td>
<td>WHEEL FLANGE 64.7 X 19.2 X 2.8MM</td>
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<tr>
<td>31</td>
<td>P1015031</td>
<td>ARBOR NUT 5/8-18 LH</td>
</tr>
<tr>
<td>85</td>
<td>P1015085</td>
<td>COMPLETE MOTOR ASSEMBLY</td>
</tr>
</tbody>
</table>

Model G1015 (Mfg. since 7/99)
# Sanding Assembly Parts List

<table>
<thead>
<tr>
<th>REF PART #</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>29</td>
<td>P1015029 WHEEL FLANGE 73.2 X 16.1 X 2.8MM</td>
</tr>
<tr>
<td>30</td>
<td>PN03 HEX NUT 3/4-16</td>
</tr>
<tr>
<td>32A</td>
<td>P1015032A PIVOT ARM MOUNTING BRACKET</td>
</tr>
<tr>
<td>33B</td>
<td>P1015033B PIVOT BRACKET W/BUSHING V3.12.95</td>
</tr>
<tr>
<td>33C</td>
<td>P1015033C PIVOT BRACKET W/O BUSHING V4.07.99</td>
</tr>
<tr>
<td>34</td>
<td>PCAP03 CAP SCREW 5/16-18 X 1</td>
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<tr>
<td>35</td>
<td>PSS08 SET SCREW 5/16-18 X 1/2</td>
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<tr>
<td>36A</td>
<td>P1015036A PIVOT ARM</td>
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<tr>
<td>37</td>
<td>PSS09 SET SCREW 3/8-16 X 1/2</td>
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<tr>
<td>38A</td>
<td>P1015038A SHAFT 1&quot;</td>
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<tr>
<td>39A</td>
<td>P1015039A KNOB 3/8-16</td>
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<tr>
<td>40</td>
<td>PW07 FLAT WASHER 5/16</td>
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<tr>
<td>41A</td>
<td>P1015041A COLLAR FOR 1&quot; SHAFT</td>
</tr>
<tr>
<td>42A</td>
<td>PCAP35 CAP SCREW 1/4-28 X 5/8</td>
</tr>
<tr>
<td>43</td>
<td>P1015043 COMPRESSION SPRING D22.3 X 87MM</td>
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<tr>
<td>44</td>
<td>P1015044 UPPER SHAFT BRACKET</td>
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<tr>
<td>45</td>
<td>PSS05 SET SCREW 5/16-18 X 1/4</td>
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<tr>
<td>46A</td>
<td>P1015046A TRACKING BRACKET</td>
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<tr>
<td>47</td>
<td>PCAP04 CAP SCREW 1/4-20 X 1/2</td>
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<tr>
<td>48</td>
<td>P1015048 PIVOT BRACKET</td>
</tr>
<tr>
<td>49</td>
<td>P1015049 SHAFT</td>
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<tr>
<td>50</td>
<td>P1015050 TRACKING LEVER</td>
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<tr>
<td>51</td>
<td>PLN01 LOCK NUT 3/8-16</td>
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<tr>
<td>52A</td>
<td>P1015052A TRACKING KNOB 1/2-20</td>
</tr>
<tr>
<td>53A</td>
<td>P1015053A COMPRESSION SPRING D18 X 56MM</td>
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<tr>
<td>54</td>
<td>PW01 FLAT WASHER 1/2</td>
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<tr>
<td>55A</td>
<td>P1015055A TENSION BAR 4-1/8&quot;</td>
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<tr>
<td>56A</td>
<td>P1015056A TENSION KNOB SHAFT</td>
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<td>57</td>
<td>P1015057 TENSION KNOB 3/8-16</td>
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<tr>
<td>58A</td>
<td>PRP03M ROLL PIN 5 X 20</td>
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<table>
<thead>
<tr>
<th>REF PART #</th>
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<tbody>
<tr>
<td>59</td>
<td>PCAP07 CAP SCREW 5/16-18 X 3/4</td>
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<tr>
<td>60</td>
<td>PSS10 SET SCREW 1/4-20 X 5/8</td>
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<tr>
<td>61</td>
<td>PN05 HEX NUT 1/4-20</td>
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<tr>
<td>62A</td>
<td>P1015062A SPRING BUSHING</td>
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<tr>
<td>63</td>
<td>PCAP06 CAP SCREW 1/4-20 X 1</td>
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<tr>
<td>64</td>
<td>P1015064 AXLE</td>
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<tr>
<td>65</td>
<td>P1015065 PIVOT BUSHING</td>
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<tr>
<td>66</td>
<td>PSS03 SET SCREW 1/4-20 X 3/8</td>
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<tr>
<td>67</td>
<td>P1015067 WHEEL GUARD</td>
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<tr>
<td>68</td>
<td>PSS05 SET SCREW 5/16-18 X 1/4</td>
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<tr>
<td>69</td>
<td>P6204ZZ BALL BEARING 6204ZZ</td>
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<tr>
<td>70</td>
<td>PW06 FLAT WASHER 1/4</td>
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<tr>
<td>71</td>
<td>PCAP04 CAP SCREW 1/4-20 X 1/2</td>
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<tr>
<td>72</td>
<td>P1015072 IDLER WHEEL</td>
</tr>
<tr>
<td>73</td>
<td>P1015073 DRIVE WHEEL</td>
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<td>74</td>
<td>P1015074 PLATEN BRACKET</td>
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<td>75</td>
<td>P1015075 PLATEN</td>
</tr>
<tr>
<td>75A</td>
<td>P1015075A GRAPHITE PAD 2&quot;W X 9&quot;L</td>
</tr>
<tr>
<td>76</td>
<td>PCAP07 CAP SCREW 5/16-18 X 3/4</td>
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<tr>
<td>77</td>
<td>PRP05 ROLL PIN 1/8 X 1</td>
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<tr>
<td>78</td>
<td>P1015078 TOOL REST SUPPORT LEFT</td>
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<tr>
<td>79</td>
<td>P1015079 TOOL REST SUPPORT RIGHT</td>
</tr>
<tr>
<td>80</td>
<td>PCAP03 CAP SCREW 5/16-18 X 1</td>
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<tr>
<td>81</td>
<td>PW07 FLAT WASHER 5/16</td>
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<tr>
<td>82</td>
<td>PCAP07 CAP SCREW 5/16-18 X 3/4</td>
</tr>
<tr>
<td>83</td>
<td>P1015083 TOOL REST</td>
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<tr>
<td>84</td>
<td>G2745 SANDING BELT 2&quot; X 72&quot; 100GR</td>
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<tr>
<td>86</td>
<td>PCAP11 CAP SCREW 5/16-18 X 1-1/4</td>
</tr>
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<td>87</td>
<td>PCAP04 CAP SCREW 1/4-20 X 1/2</td>
</tr>
<tr>
<td>88</td>
<td>P1015088 MOUNTING ADAPTOR</td>
</tr>
</tbody>
</table>
Machine Labels

Safety labels warn about machine hazards and ways to prevent injury. The owner of this machine MUST maintain the original location and readability of the labels on the machine. If any label is removed or becomes unreadable, REPLACE that label before using the machine again. Contact Grizzly at (800) 523-4777 or www.grizzly.com to order new labels.

<table>
<thead>
<tr>
<th>REF</th>
<th>PART #</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>P1015101</td>
<td>MACHINE ID LABEL</td>
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<tr>
<td>102</td>
<td>P1015102</td>
<td>ROTATION DIRECTION LABEL</td>
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<tr>
<td>103</td>
<td>PLABEL-12D</td>
<td>READ MANUAL LABEL</td>
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<tr>
<td>104</td>
<td>PLABEL-11D</td>
<td>EYE INJURY HAZARD LABEL</td>
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<tr>
<td>105</td>
<td>PLABEL-55C</td>
<td>ENTANGLEMENT HAZARD LABEL</td>
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<tr>
<td>106</td>
<td>PLABEL-62C</td>
<td>DISCONNECT WARNING LABEL</td>
</tr>
<tr>
<td>107</td>
<td>PLABEL-14B</td>
<td>ELECTRICITY LABEL</td>
</tr>
<tr>
<td>108</td>
<td>PPAIN-1</td>
<td>GRIZZLY GREEN TOUCH-UP PAINT</td>
</tr>
</tbody>
</table>
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?
   - Cabinetmaker & FDM
   - Family Handyman
   - Hand Loader
   - Handy
   - Home Shop Machinist
   - Journal of Light Cont.
   - Live Steam
   - Model Airplane News
   - Old House Journal
   - Popular Mechanics
   - Popular Science
   - Popular Woodworking
   - Precision Shooter
   - Projects in Metal
   - RC Modeler
   - Rifle
   - Shop Notes
   - Shopsmith
   - Sport
   - Wood
   - Wood
   - Woodboat
   - Woodworker West
   - Woodworker’s Journal
   - Other:

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: ____________________________________________
     ____________________________________________
     ____________________________________________
     ____________________________________________
     ____________________________________________
Send a Grizzly Catalog to a friend:

Name________________________________________
Street________________________________________
City_______________________ State______ Zip______

TAPE ALONG EDGES--PLEASE DO NOT STAPLE
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.

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