You will need this manual for safety instructions, operating procedures, and warranty. Put it and the original sales invoice in a safe, dry place for future reference.

Visit us on the web at powertecproducts.com
PRODUCT SPECIFICATIONS

- **HP**: 1/2
- **Voltage**: 120
- **Hertz**: 60
- **Phase**: Single
- **RPM**: 1750
- **Wheel Diameter**: 8" (200 mm)
- **Wheel Thickness**: 1" (25.4 mm)
- **Arbor Hole**: 5/8"

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WARRANTY
SAFETY RULES

WARNING
For your own safety, read and understand all warnings and operating instructions before using any tool or equipment.

WARNING
Some dust created by operation of power tool contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. To reduce your exposure to these chemicals: work in a well ventilated area and work with approved safety equipment. Always wear OSHA/NIOSH approved, properly fitting face mask or respirator when using such tools.

WARNING
Failure to follow these rules may result in serious personal injury. Remember that being careless for even a fraction of a second can result in severe personal injury.

WORK PREPARATION
- Wear proper apparel. Do not wear loose clothing, gloves, neckties, rings, bracelets or other jewelry which may get caught in moving parts of the tool.
- Non-slip protective footwear is recommended.
- Wear protective hair covering to contain long hair.
- Wear eye and hearing protection. Always use safety glasses. Eye protection equipment should comply with ANSI Z87.1 standards. Hearing equipment should comply with ANSI S3.19 standards.
- Wear face mask or dust mask if operation is dusty.
- Be alert and think clearly. Never operate power tools when tired, intoxicated or when taking medications that cause drowsiness.

WORK AREA PREPARATION
- Keep work area clean. Cluttered work areas and benches invite accidents.
- Work area should be properly lit.
- Do not use the machine in a dangerous environment. The use of power tools in damp or wet locations or in rain can cause shock or electrocution.
- Three-prong plug should be plugged directly into properly grounded, three-prong receptacle.
- Use the proper extension cord. Make sure your extension cord is in good condition. It should have grounding prong and should be of the correct gauge.
- Keep children and visitors away. Your shop is a potentially dangerous environment. Children and visitors can be injured.
- Make your workshop childproof with padlocks, master switches or remove switch keys to prevent any unintentional use of power tools.

TOOL MAINTENANCE
- Turn the machine "OFF", and disconnect the machine from the power source prior to inspection.
- Maintain all tools and machines in peak condition. Keep tools sharp and clean for best and safest performance.
- Follow instructions for lubricating and changing accessories.
- Check for damaged parts. Check for alignment of moving parts, binding, breakage, mounting and any other condition that may affect tool's operation.
- Poorly maintained tools and machines can further damage the tool or machine and/or cause injury.
- A guard or any other part that is damaged should be repaired or replaced. Do not perform makeshift repairs.

TOOL OPERATION
- Avoid accidental start-up. Make sure that the tool is in the "OFF" position before plugging in.
- Use the right tool for your job. Do not force your tool or attachment to do a job for which it was not designed.
- Disconnect tool when changing parts.
- Don't force the workpiece on the machine. Damage to the machine and/or injury may result.
- Never leave tool running unattended. Turn the power off and do not leave tool until it comes to a complete stop.
- Do not overreach. Loss of balance can make you fall into a working machine, causing injury.
- Never stand on tool. Injury could occur if the tool tips, or if you accidentally contact the cutting tool.
- Know your tool. Learn the tool's operation, application and specific limitations before using it.
- Use recommended accessories. Use of improper accessories may cause damage to the machine or injury to the user.
- Handle workpiece correctly. Keep hands away from moving parts.
- Turn tool off if it jams.
- Do not stand in front of the bench grinder when starting it. Stand to one side and turn the bench grinder ON. Wait at the side for one minute until the grinder comes up to full speed. There is always a possibility that debris from a damaged grinding wheel may be discharged toward the operator.
- Sparks and debris are normally produced during grinding operations. Be sure that there are no flammable materials in the vicinity. Frequently clean grinding dust from the back of bench grinder.
- Replace a cracked or damaged grinding wheel immediately. A damaged wheel can discharge debris at a high velocity towards the operator.
- Carefully handle the grinding wheel since it is abrasive. Prior to replacing a grinding wheel, check it for cracks. Do not remove the labels from a grinding wheel.
- Never start the grinder when the wheel is in contact with the workpiece.
- Secure work. Always hold workpiece firmly against the work rest.
- Do not use the bench grinder if the flange nut or clamp nut is missing or if the spindle shaft is bent. Frequently clean grinding dust from beneath grinder.
UNPACKING

Refer to Figure 1

• Check for shipping damage. Check immediately whether all parts and accessories are included. The bench grinder itself comes assembled as one unit. Additional parts (listed below) which need to be fastened to bench grinder, should be located and accounted for before assembling.

• The following items are included with your Bench Grinder:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Tool Rest (left)</td>
<td>1</td>
</tr>
<tr>
<td>B</td>
<td>Tool Rest (right)</td>
<td>1</td>
</tr>
<tr>
<td>C</td>
<td>Tool Rest Support (left)</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>Tool Rest Support (right)</td>
<td>1</td>
</tr>
<tr>
<td>E</td>
<td>Tool Rest Knobs</td>
<td>2</td>
</tr>
<tr>
<td>F</td>
<td>Spark Deflector</td>
<td>2</td>
</tr>
<tr>
<td>G</td>
<td>Eye Shield Mounting Rod (left)</td>
<td>1</td>
</tr>
<tr>
<td>H</td>
<td>Eye Shield Mounting Rod (right)</td>
<td>1</td>
</tr>
<tr>
<td>I</td>
<td>Eye Shields</td>
<td>2</td>
</tr>
<tr>
<td>J</td>
<td>Hex Bolts</td>
<td>2</td>
</tr>
<tr>
<td>K</td>
<td>Flat Washers M6</td>
<td>4</td>
</tr>
<tr>
<td>L</td>
<td>Clamp Bracket</td>
<td>2</td>
</tr>
</tbody>
</table>

• Carefully remove the tool and any accessories from the box.

• Make sure that all items listed in the packing list are included.

• Inspect the tool carefully to make sure no breakage or damage occurred during shipping. Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.

ASSEMBLY AND ADJUSTMENTS

• Tighten the spindle nut just enough to hold the grinding wheel firmly to the bench grinder. Do not overtighten, excessive clamping force can damage the grinding wheel.

• Adjust distance between wheel and work rest to maintain 1/16 in. or less separation as the diameter of the wheel decreases with use. The value of separation used in the marking is to be the separation recommended by the manufacturer but shall not be more than 1/8 in.

• Only use the wheel flanges provided with the grinder. When selecting a replacement grinding wheel, verify that the grinding wheel has a higher RPM rating than the maximum RPM of the bench grinder.

• Never force the workpiece against a grinding wheel, especially if the wheel is cold. Apply the workpiece slowly, allowing the grinding wheel an opportunity to warm up. This will minimize the chance of wheel breakage.

• Never use the bench grinder with the wheel guards removed.

• Do not grind using the sides of the grinding wheels.

CAUTION

Think safety! Safety is a combination of operator common sense and alertness at all times when tool is being used.

WARNING

Do not attempt to operate tool until it is completely assembled according to the instructions.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

• To make sure there is no damage to the bench grinder, manually turn the grinding wheels before connecting the bench grinder to a power source. If the grinding wheels do not rotate freely, check for damaged parts. DO NOT connect bench grinder to a power source until the grinding wheels spin freely.

CAUTION

Do not attempt assembly if parts are missing. Call the Customer service line to obtain replacement parts.

Figure 1
WARNING
Do not operate bench grinder, until completely assembled. Do not operate this tool until you have completely read and understood this manual.

WARNING
To avoid injury, make sure all parts are assembled and adjusted properly before plugging the bench grinder into a power outlet and turning it ON.

TOOLS NEEDED
You will need the following tools to assemble and adjust the machine. (The tools are not included.)
- Combination Wrench (3) 7 mm, 10 mm, 12 mm
- Phillips Head Screwdriver
- Adjustable Wrench

INSTALLATION

ASSEMBLING SPARK DEFLECTORS
Refer to Figure 2
- Remove the pan head screw with washer from the wheel guard bracket.
- Assemble the spark deflector to the bracket on the front of the wheel guard with pan head screw with washer. See Figure 2.
- Adjust the spark deflector until the lower edge is 1/16” (1.6 mm) from the grinding wheel. Turn the wheel by hand to make sure the wheel does not contact the spark deflector. Tighten the screw firmly.
  NOTE: As the wheel wears the spark arrestors will need to be adjusted, check this adjustment often.
- Repeat to assemble the other spark deflector.

Figure 2

ASSEMBLING EYE SHIELDS
Refer to Figure 3
  NOTE: The eye shield mounting rods are left and right, Figure 3 shows the right eye shield being assembled.
- Slide the eye shield onto the eye shield mounting rod.
- Slide the bolt through the flat washer, clamp bracket and curved end of eye shield mounting rod into the wheel guard.
- Position the eye shield over the grinding wheel to protect the user from sparks and debris, tighten the carriage bolt on the eye shield and the bolt on the eye shield mounting rod.
- Repeat to assemble the other eye shield.

Figure 3

WARNING
ALWAYS USE THE EYE SHIELDS AND WHEEL GUARDS provided with the grinder.

CAUTION
ALWAYS WEAR EYE PROTECTION. Everyday eyeglasses are NOT safety glasses. ALWAYS wear Safety Goggles (that comply with ANSI standard Z87.1) when operating power tools.

ASSEMBLING TOOL RESTS
Refer to Figure 4 and 5
  NOTE: The bench grinder has a left side tool rest that is grooved to accept drill bits and a right side tool rest that is flat. Figure 4 and 5 shows the right side tool rest being assembled.
- The tool rest support knob, lock washer and flat washer are assembled to the wheel guard during shipping. Remove the tool rest support knob, lock washer and flat washer from the pre-assembled carriage bolt. The carriage bolt should not be removed.
- Place the tool rest support on to the carriage bolt and post, secure in place with flat washer, lock washer and tool rest support knob. See Figure 4.

Figure 4

- Place the tool rest on to the tool rest support and secure in place with flat washer and tool rest knob. See Figure 5.
Repeat to assemble the other tool rest.
Adjust the tool rest assembly.
Loosen the tool rest support knob and slide the tool rest assembly in or out to maintain a distance of 1/8" (3.18 mm) or less between the grinding wheel and inside edge of the tool rest. When the tool rest is positioned correctly, tighten the locking knobs. As the wheel wears the tool rest assembly will need to be adjusted, check this adjustment often.
Loosen the tool rest locking knob and adjust the tool rest to the desired angle, tighten the locking knob.

BENCH MOUNTING
Refer to Figure 6

**WARNING**
To avoid serious injury, secure the bench grinder to a solid work surface. If the Grinder is not permanently mounted to a work surface, clamp the grinder’s base to a table or board/plywood. Make sure the clamps do not interfere with the tool rests, wheels or obstruct the movement of the user and the material being ground during use. If the bench grinder is not securely mounted, it will have the ability to move or tip over during grinding operations and possibly cause the operator’s fingers to contact the grinding wheels.

Use the mounting holes in the base of the grinder to firmly attach grinder to a solid work surface or grinder stand (mounting hardware and stand not included). See Figure 6.

**CHANGING THE GRINDING WHEEL**
Refer to Figure 7

**WARNING**
Always place the ON/OFF switch in the OFF position and unplug the power cord from its power source before performing any assembly or adjustment. Failure to do so could result in accidental starting resulting in possible serious personal injury.

The grinding wheels will wear and need to be replaced occasionally.

- Rotate the eye shield up to access the tool rest.
- Loosen the tool rest locking knob and rotate the tool rest away from the grinding wheel.
- Remove the fasteners securing the outer wheel guard in place, remove the outer wheel guard.
- Place a wood wedge between the grinding wheel and the wheel guard to keep the shaft from turning.
- Remove the wheel hex nut.

NOTE: The left hand wheel hex nut is left hand threaded and is loosened by rotating it clockwise. The right hand wheel hex nut is right hand threaded and is loosened by rotating it counter-clockwise.

- Remove the outer wheel flange and then the grinding wheel from the shaft.

NOTE: If using an optional accessory (such as a wire or buffing wheel) one or more spacers (not included) may need to be added before the inner wheel flange so the wheel hex nut tightens correctly. Remove the inner wheel flange to add optional washers. ALWAYS use the wheel flanges the come with the grinder when using a wire or buffing wheel.

**CAUTION**
The new grinding wheel to be put onto the bench grinder must have a higher R.P.M. rating than the grinder’s motor. The new grinding wheel must have the correct 8" outer wheel diameter and 5/8" bore diameter as original wheels. DO NOT remove the labels on the side of the grinding wheel. These labels or fiber discs help spread the holding pressure of the tightened nuts on the grinding wheel flanges.

- Replace the wheel, outer wheel flange and wheel hex nut.

NOTE: The left hand wheel hex nut is left hand threaded and is tightened by rotating it counter-clockwise. The right hand wheel hex nut is right hand threaded and is tightened by rotating it clockwise.

**CAUTION**
DO NOT OVER TIGHTEN the wheel hex nut as this may damage the grinding wheel, wheel flanges and cause serious injury to the operator.

- Replace the wheel guard and secure with the fasteners removed earlier.
• Adjust eye shield and tool rest.
• Slide the tool rest assembly in or out to maintain a distance of 1/8” (3.18 mm) or less between the grinding wheel and inside edge of the tool rest. When the tool rest is positioned correctly, tighten the locking knobs.
• Rotate the eye shield in place over the grinding wheel to protect the user from sparks and debris.

**Figure 7**

**POWER SOURCE**

**WARNING**

Do not connect to the power source until the machine is completely assembled.

The machine is wired for 120 volts, 60 HZ alternating current. Before connecting the machine to the power source, make sure the switch is in the “OFF” position. Running the unit on voltages which are not within range may cause overheating and motor burn-out. Heavy loads require that voltage at motor terminals be no less than the voltage specified on nameplate.

**GROUNDING INSTRUCTIONS**

**WARNING**

Improper connection of equipment grounding conductor can result in the risk of electrical shock.

• The machine should be grounded while in use to protect operator from electrical shock.
• In the event of an electrical short circuit, grounding reduces the risk of electrical shock by providing an escape wire for the electric current.
• This machine is equipped with an approved 3-conductor cord rated at 120V and a 3-prong grounding type plug for your protection against shock hazards.
• Grounding plug should be plugged directly into a properly installed and grounded 3-prong grounding-type receptacle, as shown (Figure 8).

**Figure 8**

Do not permit fingers to touch the terminals of plug when installing or removing from outlet.

• Inspect tool cords periodically, and if damaged, have it repaired by an authorized service facility.
• The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the green (or green and yellow) wire to a live terminal.
• A temporary 3-prong to 2-prong grounding adapter (see Figure 9) may be used to connect this plug to a matching 2-conductor receptacle as shown in figure 8. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician.

**Figure 9**

In Canada, the use of temporary adapter is not permitted by the Canadian Electric Code. Where permitted, the rigid green tab or terminal on the side of the adapter must be securely connected to a permanent electrical ground such as a properly grounded water pipe, a properly grounded outlet box or a properly grounded wire system.

• Many cover plate screws, water pipes and outlet boxes are not properly grounded. To ensure proper grounding means that it must be tested by a qualified electrician.

**EXTENSION CORDS**

Use proper extension cords. Make sure the extension cord is in good condition. Use only 3-wire extension cords that have 3-prong grounding type plugs and 3-pole receptacles which accept the tool plug. When using an extension cord, make sure to use one heavy enough to carry the current of the machine. An undersized cord will cause a drop in the voltage, resulting in loss of power and overheating. Use the table to determine the minimum wire size (A.W.G.) extension cord.
Extension Cord Length
Wire Size.................. A.W.G.
Up to 25 ft............... 16 gauge
NOTE: Using extension cords over 25 ft. long is not recommended.

OPERATION

The following section is designed to give instructions on the basic operations of this bench grinder. However, it is in no way comprehensive of every grinder application. It is strongly recommended that you read books, trade magazines or get formal training to maximize the potential of your bench grinder and to minimize the risks.

BASIC PRECAUTIONS

WARNING
• ALWAYS WEAR EYE PROTECTION! Hot sparks are produced during grinding operations.
• Never sharpen or grind anything made of aluminum, brass, or copper.
• To avoid serious injury, never grind on the sides of the grinding wheels.

CAUTION
• Keep all bystanders a safe distance away from the tool and not in direct line, front or back of the grinder.
• Prolonged grinding will cause most materials to become hot. Use care when handling such materials.

STARTING AND STOPPING THE GRINDER

The “ON / OFF” switch has a removable plastic switch key. With the key removed from the switch, unauthorized and hazardous use by children and others is minimized.

• To turn the grinder “ON”, insert the plastic switch key into the slot of the switch and move the switch to the “ON” position.
• To turn the grinder “OFF”, move the switch to the “OFF” position.
• To lock the switch in the “OFF” position, grasp the end of the switch key and pull it out.
• With the switch key removed the switch will not operate.

NOTE: If the switch key is removed while the grinder is running, it can be turned “OFF” but cannot be restarted without inserting the switch key.

CAUTION
Always lock the switch “OFF” when the grinder is not in use. Remove the key and keep it in a safe place. In the event of a power failure, blown fuse or tripped circuit breaker, turn the switch “OFF” and remove the key, preventing an accidental startup when the power comes on.

BASIC OPERATION

The bench grinder is designed for hand held grinding, sharpening, and cleaning operations.

Grinders remove material rapidly so pressure is the key to efficient grinding.

<table>
<thead>
<tr>
<th>Grinding Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Speed 1750 RPM</td>
</tr>
<tr>
<td>Light Grinding</td>
</tr>
<tr>
<td>Sharpening</td>
</tr>
<tr>
<td>Rust and paint removal</td>
</tr>
</tbody>
</table>

• Plug the power cord to a suitable power source.
• Stand to the side of the bench grinder and turn it “ON” by moving the “ON / OFF” switch to the “ON” position.
• Allow the grinding wheels to come up to a steady speed for at least one minute before starting to grind.
• Place the workpiece on the appropriate tool rest for the desired operation.
• Move the workpiece towards the grinding wheel until it lightly touches. Move the workpiece back and forth across the front surface of the grinding wheel removing the desired amount of material.

IMPORTANT: Never force the workpiece against the grinding wheel, especially if the wheel is cold. Apply the workpiece slowly, allowing the grinding wheel an opportunity to warm up. This will minimize the chance of wheel breakage. Do not grind using the sides of the grinding wheels. Do not apply coolant directly to the grinding wheel.

• To turn off grinder, move the power switch to the “OFF” position. Unplug the power cord from the power source.

SHARPENING DRILL BITS

• To use the drill bit sharpening tool rest, lay the drill bit flat in the “V” groove. Firmly hold on to the drill bit shank. Slide the drill bit towards the grinding wheel until it lightly touches. Keep the drill bit flat to the grinding wheel and rotate drill bit.
• The operator may place the hot end of the workpiece into water in a quench tray to cool it.
• After completing the grinding operations, move the power switch to the “OFF” position.

CAUTION
It will take a few minutes for the grinding wheels to come to a complete stop.

• Unplug the power cord from the power source.
**WARNING**
Always place the ON/OFF switch in the OFF position and unplug the power cord from its power source before performing any assembly or adjustment. Failure to do so could result in accidental starting resulting in possible serious personal injury.

**GENERAL MAINTENANCE**

**CAUTION**
REPLACE the grinding wheels if there is any damage at all. FAILURE to replace a damaged wheel can cause serious injury to the operator.

**WARNING**
Repairs to the bench grinder should be performed by trained personnel only. Unauthorized repairs or replacement with non-factory parts could cause serious injury to the operator and damage to the bench grinder.

**LUBRICATION**
The bench grinder has sealed lubricated bearings in the motor housing that do not require any additional lubrication from the operator.

**CLEANING**
With the bench grinder unplugged, rotate the grinding wheels slowly and inspect for any damage or trapped debris. Periodically blow areas in and around the grinder to keep the machine and work area clean.

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

**CAUTION**
DO NOT USE FLAMMABLE MATERIALS to clean the bench grinder. A clean dry rag or brush is all that is needed to remove dust and debris buildup.

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**TROUBLESHOOTING**

<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>POSSIBLE CAUSE(S)</th>
<th>CORRECTIVE ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor does not run.</td>
<td>1. Machine not plugged in.</td>
<td>1. Plug power cord into electrical receptacle.</td>
</tr>
<tr>
<td></td>
<td>2. Power switch in OFF position.</td>
<td>2. Flip switch to ON position.</td>
</tr>
<tr>
<td></td>
<td>3. Power cord is faulty.</td>
<td>3. Replace power cord.</td>
</tr>
<tr>
<td></td>
<td>4. Fuses or circuit breaker is open.</td>
<td>4. Overloaded electrical circuit.</td>
</tr>
<tr>
<td></td>
<td>5. Grinding wheels are blocked.</td>
<td>5. Unplug machine and remove obstruction.</td>
</tr>
<tr>
<td>Motor does not have full power.</td>
<td>1. Incorrect line voltage.</td>
<td>1. Have a qualified electrician check line for proper voltage.</td>
</tr>
<tr>
<td></td>
<td>2. Motor capacitor has failed</td>
<td>2. Replace motor capacitor</td>
</tr>
<tr>
<td>Motor runs hot</td>
<td>1. Motor is overloaded.</td>
<td>1. Reduce pressure on workpiece.</td>
</tr>
<tr>
<td></td>
<td>2. Poor air circulation around motor.</td>
<td>2. Remove any blockage around motor.</td>
</tr>
<tr>
<td></td>
<td>3. Overuse in high ambient temperature room</td>
<td>3. Reduce runtime to 20 minutes or less</td>
</tr>
<tr>
<td>Motor stalls or runs slow.</td>
<td>1. Motor is overloaded.</td>
<td>1. Reduce pressure on workpiece.</td>
</tr>
<tr>
<td></td>
<td>2. Incorrect line voltage.</td>
<td>2. Have a qualified electrician check line for proper voltage.</td>
</tr>
<tr>
<td></td>
<td>3. Motor capacitor has failed</td>
<td>3. Replace motor capacitor</td>
</tr>
<tr>
<td>Fuse blows or circuit breaker</td>
<td>1. Motor is overloaded.</td>
<td>1. Reduce pressure on workpiece.</td>
</tr>
<tr>
<td>trips.</td>
<td>2. Overloaded electrical circuit breaker.</td>
<td>2. Reduce the amount of items on circuit</td>
</tr>
<tr>
<td></td>
<td>3. Wrong fuse or circuit breaker</td>
<td>3. Replace with correct fuse or circuit breaker.</td>
</tr>
<tr>
<td></td>
<td>4. Defective cord, plug or switch creating a</td>
<td>4. Replace with new parts</td>
</tr>
<tr>
<td></td>
<td>short circuit.</td>
<td>5. Use correct size.</td>
</tr>
<tr>
<td></td>
<td>5. Undersized or excessive length of extension</td>
<td>6. Unplug machine and remove obstruction.</td>
</tr>
<tr>
<td></td>
<td>cord.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6. Grinding wheels are blocked.</td>
<td></td>
</tr>
<tr>
<td>Key No.</td>
<td>Part No.</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>BGSS801001</td>
<td>Philips screw</td>
</tr>
<tr>
<td>2</td>
<td>BGSS801002</td>
<td>Cup head square neck bolt</td>
</tr>
<tr>
<td>3</td>
<td>BGSS801003</td>
<td>I type hex nut</td>
</tr>
<tr>
<td>4</td>
<td>BGSS801004</td>
<td>Flange</td>
</tr>
<tr>
<td>5</td>
<td>BGSS801005</td>
<td>Wheel</td>
</tr>
<tr>
<td>6</td>
<td>BGSS801006</td>
<td>Philips screw with spring washer</td>
</tr>
<tr>
<td>7</td>
<td>BGSS801007</td>
<td>Spark deflector</td>
</tr>
<tr>
<td>8</td>
<td>BGSS801008</td>
<td>Philips screw with flat washer</td>
</tr>
<tr>
<td>9</td>
<td>BGSS801009</td>
<td>Eye shield</td>
</tr>
<tr>
<td>10</td>
<td>BGSS801010</td>
<td>Left eye shield support</td>
</tr>
<tr>
<td>11</td>
<td>BGSS801011</td>
<td>Flat washer</td>
</tr>
<tr>
<td>12</td>
<td>BGSS801012</td>
<td>Eye shield pressing plate assy.</td>
</tr>
<tr>
<td>13</td>
<td>BGSS801013</td>
<td>Fixing plate</td>
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<td>14</td>
<td>BGSS801014</td>
<td>Flat washer</td>
</tr>
<tr>
<td>15</td>
<td>BGSS801015</td>
<td>Hex bolt</td>
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<td>16</td>
<td>BGSS801016</td>
<td>Left wheel inner guard</td>
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<tr>
<td>17</td>
<td>11802072</td>
<td>Left fixed work rest</td>
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<tr>
<td>18</td>
<td>BGSS801018</td>
<td>Big flat washer</td>
</tr>
<tr>
<td>19</td>
<td>11802059</td>
<td>Work rest locking nut</td>
</tr>
<tr>
<td>20</td>
<td>11802073</td>
<td>Left removable work rest</td>
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<tr>
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<td>Work rest locking knob</td>
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<td>22</td>
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<td>27</td>
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<td>30</td>
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<td>Philips screw with flat washer and spring washer</td>
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<tr>
<td>31</td>
<td>BGSS801031</td>
<td>Switch</td>
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<td>32</td>
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<td>Bottom plate</td>
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<td>Philips screw with big flat washer</td>
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<td>Right eye shield support</td>
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<tr>
<td>41</td>
<td>BGSS801041</td>
<td>Base</td>
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<td>42</td>
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<td>BGSS801047</td>
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<td>Right wheel inner guard</td>
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<td>I type hex nut</td>
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</table>
Thank you for investing in a **POWERTEC** power tool. This product has been designed and manufactured to meet high quality standards and is guaranteed for domestic use against defects in workmanship or material for a period of 12 months from the date of purchase. This guarantee does not affect your statutory rights.

**SOUTHERN TECHNOLOGIES LLC. BENCH TOP AND STATIONARY POWER TOOL**

**LIMITED 1 YEAR WARRANTY AND 30-DAY SATISFACTION GUARANTEE POLICY**

**POWERTEC** products are designed and manufactured by **Southern Technologies LLC**. All warranty communications should be directed to **Southern Technologies LLC** by calling 847-780-6120, 9 AM to 5 PM, Monday through Friday, US Central Time.

**30-DAY SATISFACTION GUARANTEE POLICY**

During the first 30 days after the date of purchase, if you are dissatisfied with the performance of this **POWERTEC** tool for any reason, you may return the tool to the retailer from which it was purchased for a full refund or exchange. You must present proof of purchase and return all original equipment packaged with the original product. The replacement tool will be covered by the limited warranty for the balance of the one year warranty period.

**LIMITED ONE YEAR WARRANTY**

This warranty covers all defects in workmanship or materials in this **POWERTEC** tool for a one year period from the date of purchase. This warranty is specific to this tool. **Southern Technologies, LLC** reserves the right to repair or replace the defective tool, at its discretion.

**HOW TO OBTAIN SERVICE**

To obtain service for this **POWERTEC** tool you must return it, freight prepaid, to **POWERTEC**. You may call 847-780-6120 for more information. When requesting warranty service, you must present the proof of purchase documentation, which includes a date of purchase. **POWERTEC** will either repair or replace any defective part, at our option at no charge to you. The repaired or replacement unit will be covered by the same limited warranty for the balance of one year warranty period.

**WHAT IS NOT COVERED**

This warranty applies to the original purchaser at retailer and may not be transferred. This warranty does not cover consumable items such as saw blades, knives, belts, discs, cooling blocks and sleeves. This warranty does not cover required service and part replacement resulting from normal wear and tear, including accessory wear. This warranty does not cover any malfunction, failure or defect resulting from:

1) misuse, abuse, neglect and mishandling not in accordance with the owner’s manual.
2) damage due to accidents, natural disasters, power outage, or power overload.
3) commercial or rental use.
4) alteration, modification or repair performed by persons not recommended by **POWERTEC**.

**DISCLAIMER**

To the extent permitted by applicable law, all implied warranties, including warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, are disclaimed. Any implied warranties, that cannot be disclaimed under state law are limited to one year from the date of purchase. **Southern Technologies LLC**, is not responsible for direct, indirect, incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. **Southern Technologies LLC**, makes no warranties, representations, or promises as to the quality or performance of its power tools other than those specifically stated in this warranty.