12" DOUBLE DISC SANDER

MODEL G8793

INSTRUCTION MANUAL

JUNE, 2000 PRINTED IN TAIWAN

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 chemical 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.

TABLE OF CONTENTS

SECTION 1: SAFETY

⚠WARNING

For Your Own Safety Read Instruction Manual Before Operating This Equipment

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words which are intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures.

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

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

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

NOTICE — **This symbol is used to alert the user to useful information about proper operation of the equipment.**

⚠WARNING

Safety Instructions For Power Tools

1. **KEEP GUARDS IN PLACE** and in working order.
2. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning on.
3. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
4. **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or where any flammable or noxious fumes may exist. Keep work area well lighted.
5. **KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept a safe distance from work area.
6. **MAKE WORK SHOP CHILD PROOF** with padlocks, master switches, or by removing starter keys.
7. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
8. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.

⚠WARNING

Safety Instructions For Power Tools

9. **USE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. Conductor size should be in accordance with the chart below. The amperage rating should be listed on the motor or tool nameplate. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Your extension cord must also contain a ground wire and plug pin. Always repair or replace extension cords if they become damaged.

Minimum Gauge for Extension Cords

	LENGTH		
AMP RATING	25ft	50ft	100ft
0-6	18	16	16
7-10	18	16	14
11-12	16	16	14
13-16	14	12	12
17-20	12	12	10
21-30	10	10	No

10. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.

11. **ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.

12. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and frees both hands to operate tool.

13. **DON'T OVERREACH.** Keep proper footing and balance at all times.

14. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

15. **DISCONNECT TOOLS** before servicing and changing accessories, such as blades, bits, cutters, and the like.

16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.

17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury.

18. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.

19. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.

⚠WARNING

Additional Safety Instructions For The Sander

1. Be aware of belt or disc rotation direction when sanding.
2. Keep fingertips away from moving parts.
3. Never use excessive force when sanding. Doing so greatly increases the chance of personal injury, mechanical damage, or damage to your workpiece.
4. Always feed your work AGAINST the direction of rotation.
5. DO NOT operate the sander if the disc or belt are damaged or badly worn. Portions of sandpaper could be ejected from the sander.
6. Even if you have a reliable method of dust collection, use a dust mask or respirator when sanding. Use eye and hearing protection as well.
7. **DO NOT** sand material when you doubt its stability or integrity. Inspect all materials carefully for foreign objects like nails and staples.
8. When disc sanding, feed material into the portion of the disc spinning **DOWN** toward the table.
9. Habits – good and bad – are hard to break. Develop good habits in your shop and safety will become second-nature to you.

⚠WARNING

Operating this equipment has the potential to propel debris into the air which can cause eye injury. Always wear safety glasses or goggles when operating equipment. Everyday glasses or reading glasses only have impact resistant lenses, they are not safety glasses. Be certain the safety glasses you wear meet the appropriate standards of the American National Standards Institute (ANSI).

⚠WARNING

Like all power tools, there is danger associated with the Model G8793 Double Disc Sander. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this tool with respect and caution to lessen the possibility of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.

⚠CAUTION

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

SECTION 2: CIRCUIT REQUIREMENTS

110V Operation

The G8793 Sander motor is prewired to operate at 110V. A 110V plug is included with this machine. The plug must be used in a grounded receptacle similar to that shown in **Figure 1.**

Under normal 110V use, the motor draws approximately 20 amps. We recommend a 20 amp circuit breaker or a 20 amp slow-blow fuse.

Grizzly recommends that the circuit you use should be dedicated, (i.e., the G8793 should provide the only draw from that circuit). If frequent circuit failures occur when using this machine, contact our Service Department or your local electrical contractor.

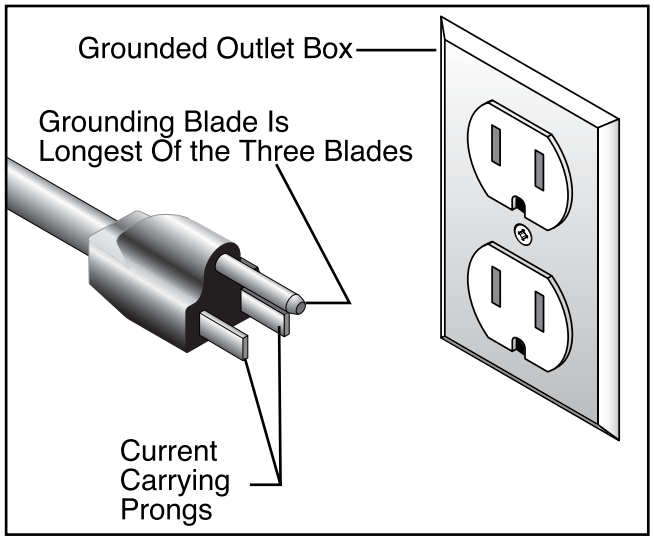


Figure 1. Typical 110V 3-prong plug and outlet.

220V Operation

The motor supplied with the G8793 can be operated at either 110V or 220V. The motor comes pre wired for 110V. Refer to the wiring diagram inside the motor cover for information about converting to operate at 220V.

If converting to operate at 220V, a suitable 220V plug must be wired in. When operating at 220V, we recommend using a NEMA-style 6L-15 plug and outlet. **See Figure 2**. You may also "hardwire" the machine directly to your panel, provided you place a disconnect switch near the machine. Check the electrical codes in your area for specifics on wiring requirements.

Under normal use, the motor draws approximately 10 amps @ 220V. We recommend a 15 amp circuit breaker for 220V operation This should be satisfactory for normal use while providing enough protection against motor damage caused by power surges.

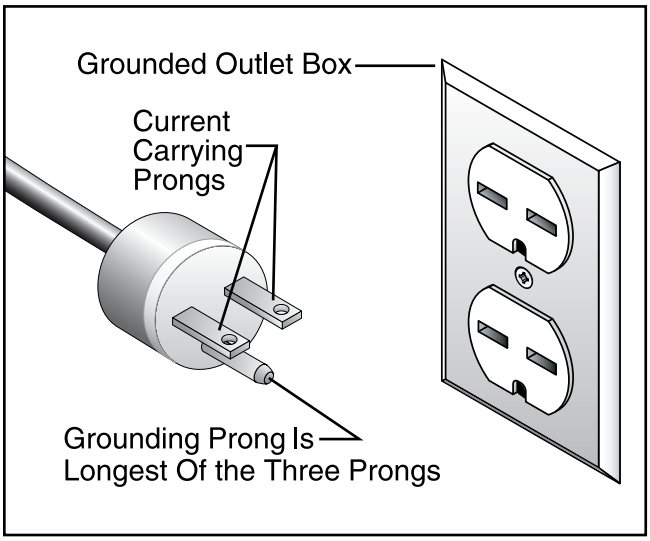


Figure 2. Typical 220V 3-prong plug and outlet.

Extension Cords

If you find it necessary to use an extension cord with the Model G8793, make sure the cord is rated Hard Service (grade S) or better. Refer to the chart in the standard safety instructions to determine the minimum gauge for the extension cord. The extension cord must also contain a ground wire and plug pin. Always repair or replace extension cords when they become worn or damaged.

We do not recommend the use of extension cords on 220V equipment. It is much better to arrange the placement of your equipment and the installed wiring to eliminate the need for extension cords.

Grounding

In the event of an electrical short, grounding reduces the risk of electric shock by providing a path of least resistance to disperse electric current. This tool is equipped with a power cord having an equipment-grounding conductor. **See Figures 1 and 2.** The outlet must be properly installed and grounded in accordance with all local codes and ordinances.

⚠WARNING

This equipment must be grounded. Verify that any existing electrical outlet and circuit you intend to plug into is actually grounded. If it is not, it will be necessary to run a separate 12 A.W.G. copper grounding wire from the outlet to a known ground. Under no circumstances should the grounding pin from any three-pronged plug be removed. Serious injury may occur.

SECTION 3: GENERAL INFORMATION

Commentary

Grizzly Industrial, Inc. is proud to offer the Model G8793 12" Double Disc Sander. This sander is a part of Grizzly's growing family of fine woodworking machinery. When used according to the guidelines set forth in this manual, you can expect years of trouble-free, enjoyable operation, and proof of Grizzly's commitment to customer satisfaction.

The Model G8793 features heavy-duty cast-iron tables and discs with a powerful 1½ HP motor with a 1725 RPM rotational speed. The twin discs allow the user to put a coarse grit on one side and a finer grit on the other to speed sanding tasks. Both tables tilt 45° in both directions and have convenient miter slots. Each disc has an integral 4" dust port.

We are also pleased to provide this manual with the G8793. This instruction manual was written to guide you through assembly, review safety considerations, and cover general operating procedures. It represents our latest effort to produce the best documentation possible. If you have any criticisms that you feel we should pay attention to in our next printing, please write to us at the address shown to the right.

Most importantly, we stand behind our machines. We have an excellent service department at your disposal should the need arise. If you have any service questions or parts requests, please call or write to us at the location listed below.

Grizzly Industrial, Inc.
1203 Lycoming Mall Circle
Muncy, PA 17756
Phone: (570) 546-9663
Fax: (800) 438-5901
E-Mail: techsupport@grizzly.com
Web Site: www.grizzly.com

To comment on this manual write to:

Grizzly Industrial, Inc.
℅ Technical Documentation
P.O. Box 2069
Bellingham, WA 98227-2069

The specifications, drawings and photographs represent the G8793 as supplied when the manual was created. Due to our policy of continuous improvement, some features of this machine may vary from that portrayed in this manual.

⚠CAUTION

To operate this, or any power tool, safely and efficiently, it is essential to become as familiar with its characteristics as possible. The time you invest before you begin to use your Model G8793 will be time well spent. DO NOT operate this machine until you are completely familiar with the contents of this manual. Make sure you read and understand all of the safety procedures. If you do not understand something, DO NOT operate the machine.

Unpacking

The Double Disc Sander is shipped from the factory in a carefully packed carton. If you find the machine to be damaged after you've signed for delivery and the truck and driver are already gone, you will need to file a freight claim with the carrier. Save the containers and all packing materials for inspection by the carrier or their agent. Without the packing materials, filing a freight claim can be difficult. If you need advice regarding this situation, please call us.

⚠WARNING

The G8793 is a fairly heavy machine (190 lbs). DO NOT over-exert yourself while unpacking or moving your machine – get assistance. In the event that your Double Disc Sander must be moved up or down a flight of stairs, be sure that the stairs are capable of supporting the combined weight of people and the machine. Serious personal injury may occur.

When you are completely satisfied with the condition of your shipment, you should inventory its parts.

NOTICE

Please keep all packaging materials until you are satisfied that the machine is in good condition. Should you need to file a freight claim, the carrier's agent will require inspection of those materials. Settling a claim can be difficult if packaging is not available.

Piece Inventory

With all the parts removed from the container, you should have the components listed below:

- Cabinet Stand
- Motor and Disc Assembly
- Tables (2)
- 12" PSA Sandpaper Discs (2)
- Miter Gauge

If anything is missing, call or write to the appropriate service department listed in the General Information section. If anything is damaged, please follow the procedures described to the left.

Clean Up

The unpainted surfaces are coated with a waxy oil to protect it from corrosion during shipment. Remove this protective coating with a solvent cleaner or citrus-based degreaser such as Grizzly's G7895 Degreaser. Avoid chlorine-based solvents as they may damage painted surfaces should they come in contact. Always follow the usage instructions on the product you choose for clean up.

⚠CAUTION

Many of the solvents commonly used to clean machinery can be highly flammable, and toxic when inhaled or ingested. Always work in well-ventilated areas far from potential ignition sources when dealing with solvents. Use care when disposing of waste rags and towels to be sure they do not create fire or environmental hazards. Keep children and animals safely away when cleaning and assembling this machine.

⚠WARNING

Do not use gasoline or other petroleum-based solvents to remove this protective coating. These products generally have low flash points which makes them extremely flammable. A risk of explosion and burning exists if these products are used. Serious personal injury may occur.

⚠CAUTION

All die-cut metal parts have a sharp edge (called "flashing") on them after they are formed. This is generally removed at the factory. Sometimes a bit of flashing might escape inspection, and the sharp edge may cause cuts or lacerations when handled. Please examine the edges of all die-cut metal parts and file or sand the edge to remove the flashing before handling.

Site Considerations

WORKING CLEARANCES

Working clearances can be thought of as the distances between machines and obstacles that allow safe operation of every machine without limitation. Consider existing and anticipated machine needs, size of material to be processed through each machine, and space for auxiliary stands and/or work tables. Also consider the relative position of each machine to one another for efficient material handling. Be sure to allow yourself sufficient room to safely run your machines in any foreseeable operation.

LIGHTING AND OUTLETS

Lighting should be bright enough to eliminate shadow and prevent eye strain. Electrical circuits should be dedicated or large enough to handle combined motor amp loads. Outlets should be located near each machine so power or extension cords are not obstructing high-traffic areas. Be sure to observe local electrical codes for proper installation of new lighting, outlets, or circuits.

⚠CAUTION

Make your shop "child safe". Ensure that your workplace is inaccessible to youngsters by closing and locking all entrances when you are away. Never allow visitors in your shop when assembling, adjusting or operating equipment.

SECTION 4: ASSEMBLY

Mounting To Stand

The sanding motor body must be mounted to the stand before the machine can be used. Remove the stand and sanding unit from the packaging. If you will be using a mobile base to allow moving the disc sander around, now is a good time to place the stand on a properly adjusted mobile base. This will eliminate the need to lift the combined machine and stand unit later on.

Lift the sanding unit and place it on top of the stand so that the ON/OFF switch is on the same side of the machine as the door of the cabinet. Use an assistant to lift the unit and to aid in getting the holes aligned. Use four (4) hex bolts, nuts and washers to secure the unit to the stand.

Disc Table

The two disc tables must be mounted to the sanding unit's table tile trunnions. Loosen the star knob and move the two trunnions until they are approximately perpendicular to the face of the disc. Position the table over the four threaded holes, and install four (4) socket head cap screws. Repeat this procedure for the other disc table.

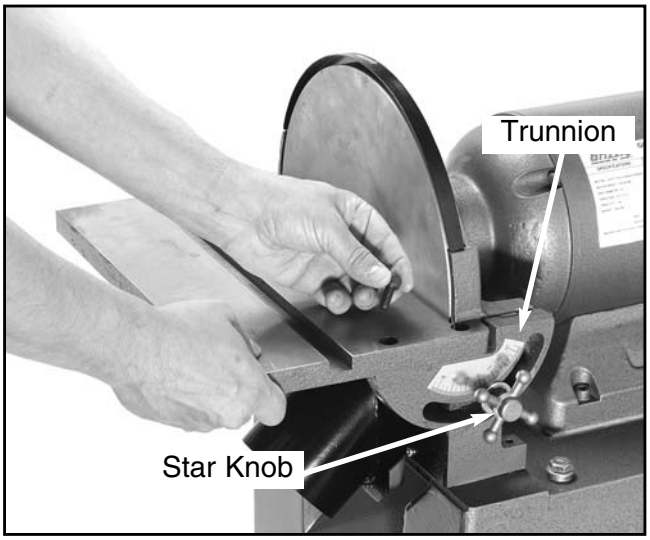


Figure 3. Attaching disc table.

⚠WARNING

DO NOT attempt to operate this machine before completing the assembly and adjustment instructions. Be sure that the switch is off and the cord is disconnected from the power source at all times until assembly and adjustment are complete and you have reviewed all safety guidelines. Serious injury could occur.

Attaching Sandpaper

The sanding disc sticks to the surface of the cast iron disc using the pressure sensitive adhesive backing (PSA) on the reverse side of the sandpaper disc. The sandpaper can be replaced without removing either the table or the dust port.

Peel back the protective layer on one-half of the sandpaper disc and fold it against the remaining half. Slip the half which still has the protective layer on it between the disc and the table edge **See Figure 4.** Position the exposed adhesive on the upper half of the disk which extends above the table. Once it is positioned evenly across the disc, press the adhesive onto the surface. Now rotate the disk so the lower half is now exposed. Bend the paper back to allow removal of the remaining half of the protective layer **(See Figure 5)**, and then press this portion against the disk.

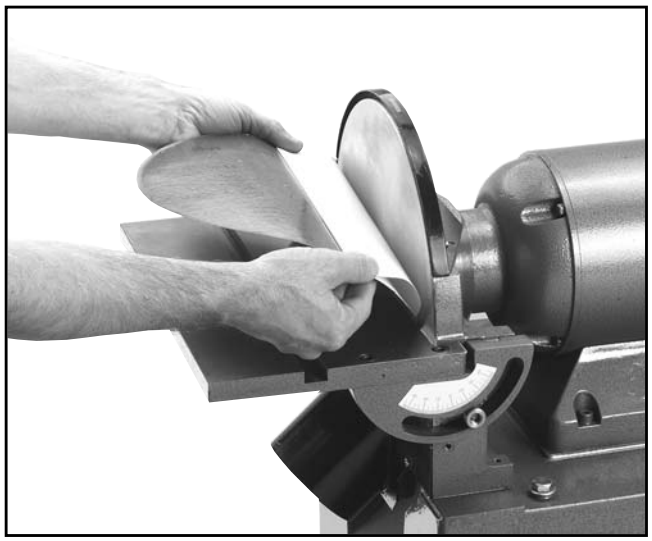


Figure 4. Sandpaper being slipped between the disc and table.

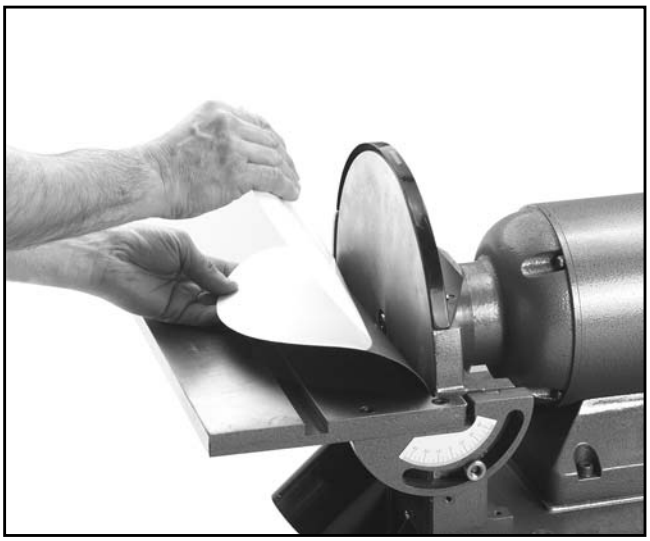


Figure 5. Removing protective layer.

SECTION 5: ADJUSTMENTS

Tables

The tables should be adjusted so they are perpendicular to the face of the sanding disc when the table tilt is set to 0˚. Using a try square or machinist's square, set one edge of the table surface and the other against the face of the disc. (This can be done with the sandpaper installed, although it is somewhat easier to measure if the disc does not have the sandpaper disc installed) **See Figure 6.** Loosen the star knob and adjust the table angle until it is perfectly perpendicular. Tighten the star knob.

Loosen the bolt holding the degree pointer and move it so it is pointing to 0˚. Tighten the bolt. Move the table tilt and return it to the 0˚ point using the indicator, then recheck with the square to verify the setting.

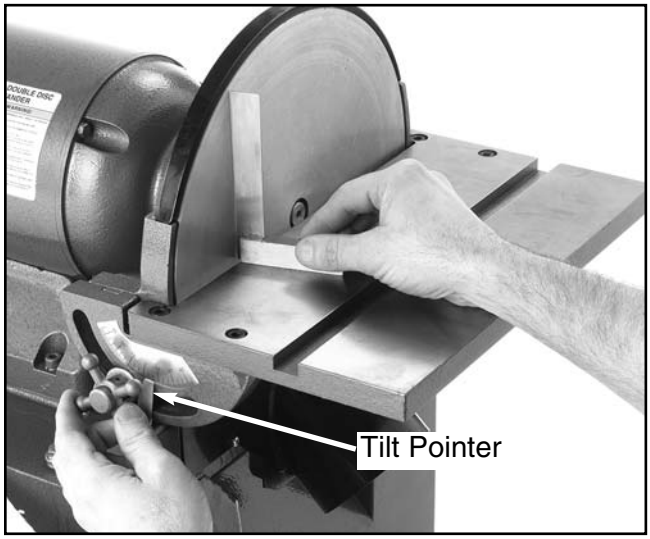


Figure 6. Squaring disc table.

Miter Gage

The miter gauge needs to be adjusted so that it is perfectly perpendicular to the face of the wheel when it is mounted in the table slot. There is no adjustment in the table itself. The miter gauge face relative to the the table slot is adjustable. Use a try square or machinist's square with one edge against the face of the miter gauge and the other against the disc face. **See Figure 7.**

Loosen the adjusting screw on the miter gauge and adjust so that it is flush with the edge of the square. Tighten the gauge adjusting screw, and double check. Sometimes the tightening procedure can affect the adjustment.

Set the pointer on the miter gauge to 0˚ by loosening the screw holding the pointer in position. Adjust the pointer and retighten.

Figure 7. Squaring miter gauge to disc.

SECTION 6: OPERATIONS

The cast iron disc accepts 12" diameter cloth or paper-backed PSA sanding discs. These are available in a variety of grits. See the current Grizzly catalog for prices and ordering information.

Please review all safety rules for sanders and all power tools before attempting operation. The hints listed below are also worth your consideration:

1. When using the table for beveled sanding operations, try to keep an open table angle (90˚ or more). This eliminates the risk of getting the workpiece jammed between the disc and the table.

2. The surface feet per minute of the spinning disc increases as you move from the center to the rim.

3. Do not over-sand soft woods such as bass wood or pine.

4. Choose the correct sanding grit for the job.

5. Do not use the sander as a replacement for a bandsaw or a planer. It is designed for finish work, not rough dimensioning.

6. Keep your workpiece moving across the face of the disc to prevent grooves or ruts in the surface you're sanding.

Table Tilt

The disc table can go from -45˚ to 45˚ relative to the plane of the sanding surface.

Whenever possible, sand with an open angle where there is plenty of clearance between the belt and the table. This will avoid getting the workpiece trapped between the sanding surface and the table.

⚠CAUTION

Rotating sanding discs are dangerously abrasive. Use extreme caution when working near sanding surfaces. Failure to exercise care while sanding could result in severe injury.

⚠WARNING

Operating this equipment has the potential to propel debris into the air which can cause eye injury. Always wear safety glasses or goggles when operating equipment. Everyday glasses or reading glasses only have impact resistant lenses, they are not safety glasses. Be certain the safety glasses you wear meet the appropriate standards of the American National Standards Institute (ANSI).

Disc Sanding

First, set the angle of the table relative to the sanding disc. When perpendicularity is required between two surfaces, the miter gauge will help to guide the workpiece so that the relationship is maintained. Place one surface firmly against the face of the miter gauge, with the other surface against the face of the disc. **See Figure 8.** If sanding curves or irregular shapes, freehand sanding without the miter gauge can be done. Always keep the workpiece on the side of the wheel which is rotating down toward the table. This will keep the workpiece from flying out of your hands from the rotational forces.

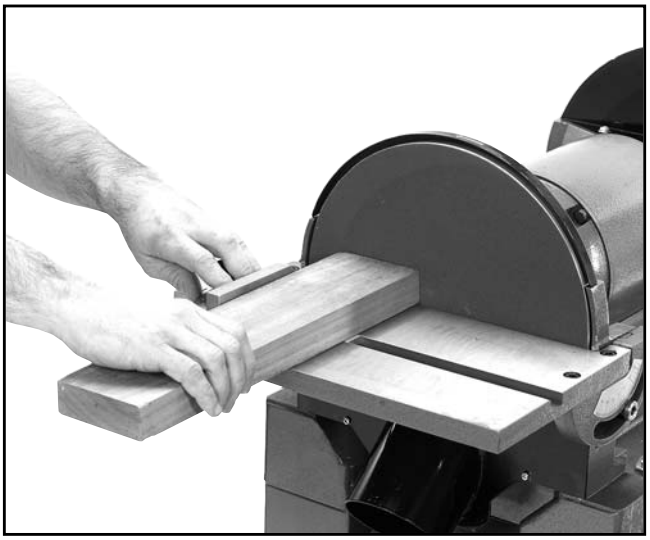


Figure 8. Disc sanding.

⚠WARNING

Operating this equipment has the potential to propel debris into the air which can cause eye injury. Always wear safety glasses or goggles when operating equipment. Everyday glasses or reading glasses only have impact resistant lenses, they are not safety glasses. Be certain the safety glasses you wear meet the appropriate standards of the American National Standards Institute (ANSI).

Miter Sanding

The most efficient way to get a perfect miter is to cut the workpiece slightly long and sand it to the desired dimension. Miter sanding can be done easily with the miter gauge:

1. Loosen the knob on the miter gauge and adjust the angle to the desired point. Tighten the knob.

2. Slide the miter gauge into its slot and use it to hold your workpiece in position. The miter gauge can be used in either direction in the slot to achieve the proper relation of the workpiece to the disc.

3. With light, but firm pressure, push the workpiece slowly into the downspin side of the rotating disc. **See Figure 9.**

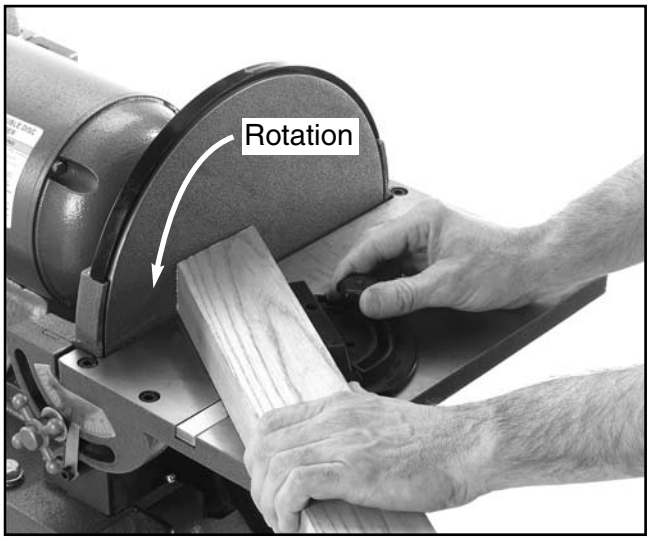


Figure 9. Mitering with gauge reversed.

SECTION 7: MAINTENANCE

General

The Double Disc Sander is ruggedly constructed to provide years of dependable service. To ensure that you enjoy maximum performance and longevity, we suggest the following routine maintenance:

1. Check all fasteners for tightness before each use. Tighten when necessary.

2. Keep the Double Disc Sander clean for maximum efficiency and heat dissipation. Wipe away accumulated sanding dust and grime after each use.

3. Inspect sanding discs for excessive wear and damage. Replace if necessary.

4. Inspect switches and cord periodically for wear or damage. Replace if necessary.

5. Bearings are sealed and permanently lubricated, so no lubrication is needed. Check for wear periodically and replace when worn. Increased motor noise and vibration are both indicators of bearing wear.

Tables

The tables and other non-painted surfaces on the Model G8793 should be protected against rust and pitting. Wiping the sander clean after every use ensures that moisture from wood dust isn't allowed to trap moisture against bare metal surfaces.

Some woodworkers recommend using automotive paste wax on exposed steel and cast iron surfaces. The wax provides a layer of protection, as well as reducing friction between lumber and the table, making cuts faster and smoother. Avoid waxes that contain silicone or other synthetic ingredients. These materials can find their way into lumber that's being worked, and can make staining and finishing difficult. If you use paste wax, make sure that it's 100% Carnauba wax.

⚠WARNING

DO NOT make adjustments or attempt any maintenance procedures while this machine is running. Ensure that the switch is off, power is disconnected and all moving parts have stopped before making adjustments. Failure to do so could result in serious operator injury.

Attaching Disc

The sanding discs attach to the motor shaft by means of a keyed shaft. Make sure the key is in place in the groove of the shaft, then slide the disc onto the shaft with the slot in the disc bore aligned with the key. Push the disc onto the shaft until it bottoms out, then tighten the two set screws. **See Figure 10.**

Figure 10. Attaching disc.

Attaching Disc Guard

Place the disc guard over the disc and use two Phillips® head screws to hold in place. **See Figure 11.**

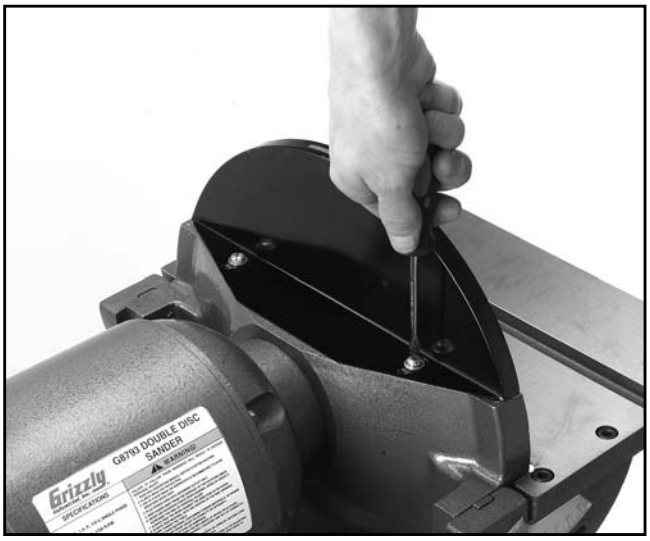


Figure 11. Attaching disc guard.

Dust Ports

The dust port mounts beneath the table, with the port directed downward, and is attached with four (4) Phillips® head screws. **See Figure 12.**

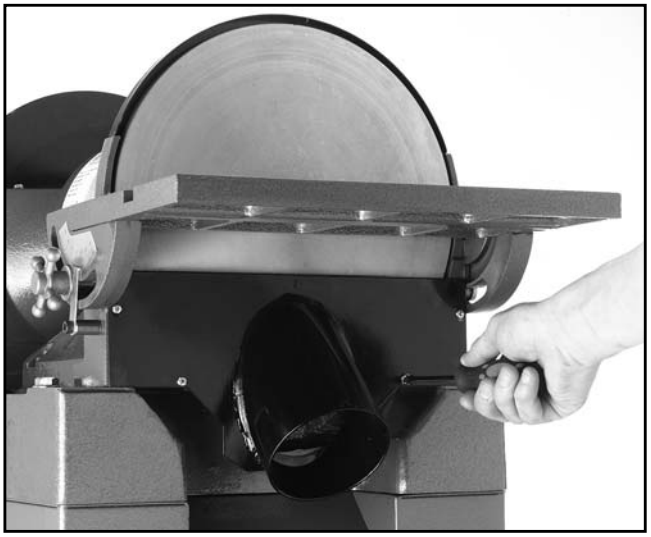


Figure 12. Attaching dust port.

SECTION 8: CLOSURE

The following pages contain general machine data, part diagrams/lists, troubleshooting guide and Warranty/Return information for your Model G8793 Double Disc Sander.

If you need parts or help in assembling your machine, or if you need operational information, we encourage you to call our Service Department. Our trained service technicians will be glad to help you.

If you have comments dealing specifically with this manual, please write to our Bellingham, Washington location using the address in Section 3: General Information. The specifications, drawings, and photographs illustrated in this manual represent the Model G8793 as supplied when the manual was prepared. However, due to Grizzly's policy of continuous improvement, changes may be made at any time with no obligation on the part of Grizzly. Whenever possible, though, we send manual updates to all owners of a particular tool or machine. Should you receive one, add the new information to this manual and keep it for reference.

We have included some important safety measures that are essential to this machine's operation. While most safety measures are generally universal, Grizzly reminds you that each workshop is different and safety rules should be considered as they apply to your specific situation.

We recommend you keep a copy of our current catalog for complete information regarding Grizzly's warranty and return policy. If you need additional technical information relating to this machine, or if you need general assistance or replacement parts, please contact the Service Department listed in Section 3: General Information.

Additional information sources are necessary to realize the full potential of this machine. Trade journals, woodworking magazines, and your local library are good places to start.

⚠WARNING

The Model G8793 was specifically designed for sanding. **DO NOT MODIFY AND/OR USE THIS MACHINE FOR ANY OTHER PURPOSE.** Modifications or improper use of this tool will void the warranty. If you are confused about any aspect of this machine, **DO NOT** use it until you have answered all your questions. Serious personal injury may occur.

⚠WARNING

Like all power tools, there is danger associated with this machine. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this tool with respect and caution to lessen the possibility of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.

MACHINE DATA SHEET

Customer Service #: (570) 326-3806 • To Order Call: (800) 523-4777 • Fax #: (800) 438-5901

GRIZZLY MODEL G8793 DOUBLE DISC SANDER

Design Type ..... Floor Model

Overall Dimensions:
- Height .....43"
- Width.....34¼"
- Depth .....15¾"
- Shipping Weight.....190 lbs.
- Foot Print.....19" x 15½"

Motor:
- Type .....TEFC Capacitor-Start Induction
- Horsepower .....1½ HP
- Phase - Voltage.....Single Phase 110/220V
- Amps 20/10
- Cycle/ RPM .....60 Hertz/1725 RPM
- Switch .....Mechanical - Separate On/Off
- Bearings .....Shielded & Lubricated Ball Bearings

Features:
- .....Two 12" Cast Iron Discs
- .....Tables are Precision Ground Cast Iron
- .....Tables Measure 14½" x 7¾"
- .....Tables Tilt from 45° Up to 45° Down
- .....¾" x ⅜" Miter Slots
- .....Cabinet with Door Has 1 Shelf for 2 Compartments 18" W x 15" D
- .....4" Dust Ports on Each Side

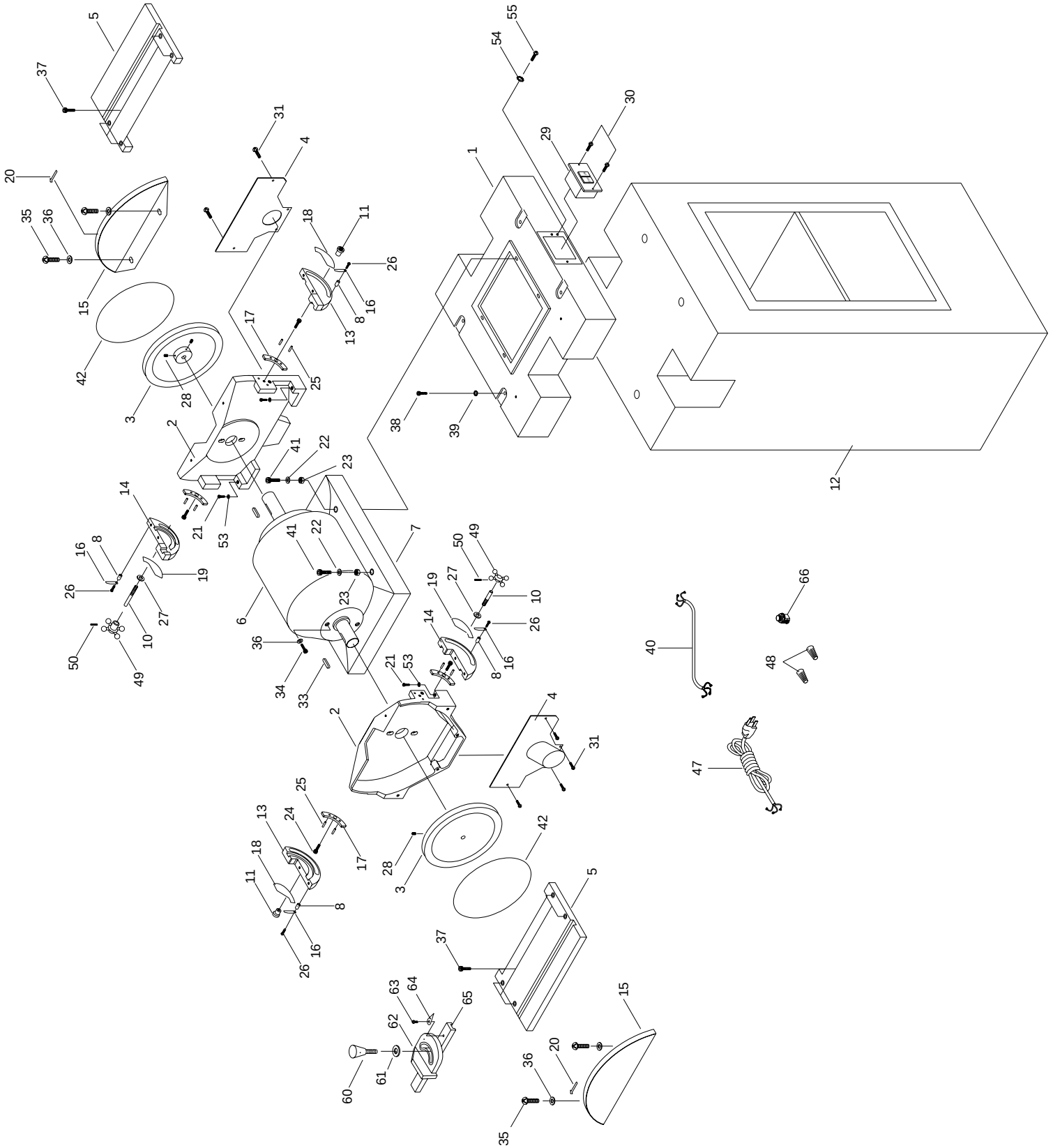
Specifications, while deemed accurate, are not guaranteed.

REVISED 6/00

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
Motor will not start.	1. Low voltage. 2. Open circuit in motor or loose connections.	1. Check power line for proper voltage. 2. Inspect all lead connections on motor for loose or open connections.
Motor will not start; fuses or circuit breakers blow.	1. Short circuit in line cord or plug. 2. Short circuit in motor or loose connections. 3. Incorrect fuses or circuit breakers in power line.	1. Inspect cord or plug for damaged insulation and shorted wires. 2. Inspect all connections on motor for loose or shorted terminals or worn insulation. 3. Install correct fuses or circuit breakers.
Motor fails to develop full power (power output of motor decreases rapidly with decrease in voltage at motor terminals).	1. Power line overloaded with lights, appliances, and other motors. 2. Undersized wires or circuits too long. 3. General overloading of power company facilities.	1. Reduce load on power line. 2. Increase wire sizes or reduce length of wire. 3. Request a power check from the power company.
Motor overheats.	1. Motor overloaded. 2. Air circulation through the motor restricted.	1. Reduce load on motor. 2. Clean out motor to provide normal air circulation.
Motor stalls (resulting in blown fuses or tripped circuit).	1. Short circuit in motor or loose connections. 2. Low voltage. 3. Incorrect fuses or circuit breakers in power line. 4. Motor overloaded.	1. Inspect connections on motor for loose or shorted terminals or worn insulation. 2 Correct the low voltage conditions. 3. Install correct fuses or circuit breakers. 4. Reduce load on motor.
Machine slows down when operating.	Applying too much pressure to workpiece.	Feed workpiece slower.
Sanded surface not square.	1. Table not perpendicular to disc. 2. Miter gauge not square to disc.	1. Adjust table tilt. 2. Adjust miter gauge.

G8793 DISC SANDER PARTS DIAGRAM



G8793 DISC SANDER PARTS LIST

REF#	PART#	DESCRIPTION
001	P8793001	BASE
002	P8793002	DISC HOUSING
003	P8793003	DISC
004	P8793004	DUST PORT
005	P8793005	DISC TABLE
006	P8793006	MOTOR ASSEMBLY
007	P8793007	MOTOR SUPPORT
008	P8793008	BUSHING, POINTER
010	P8793010	SHAFT
011	P8793011	NUT
012	P8793012	STAND
013	P8793013	TRUNNION, FRONT
014	P8793014	TRUNNION, REAR
015	P8793015	DISC GUARD
016	P8793016	POINTER
017	P8793017	TRUNNION ARC
018	P8793018	SCALE, FRONT TRUNNION
019	P8793019	SCALE, REAR TRUNNION
020	P8793020	ROTATION ARROW
021	PSB08	CAP SCREW 5/16-18 X 1 1/2"
022	PW07	FLAT WASHER 5/16"
023	PN02	HEX NUT 5/16-18
024	PB19	HEX BOLT 1/4-20 X 1/2"
025	P8793025	PIN 5 X 15
026	PB13	HEX BOLT 1/4-20 X 1 1/4"
027	PW01	FLAT WASHER 1/2"
028	PSS17	SET SCREW 5/16-18 X 5/16"

REF#	PART#	DESCRIPTION
029	P8793029	SWITCH
030	P8793030	PHLP HD SCR 3/16-24 X 3/4"
031	P8793031	PHLP HD SCR 3/16-24 X 1/4"
033	PK23M	KEY 5 X 5 X 25
034	PS04	PHLP HD SCR 1/4-20 X 1/2"
035	PS07	PHLP HD SCR 1/4-20 X 3/8"
036	P8793036	WASHER 1/4"
037	PSB07	CAP SCREW 5/16-18 X 3/4"
038	PB18	HEX BOLT 3/8-16 X 1"
039	PW02	FLAT WASHER 3/8"
040	PWRCRD110S	POWER CORD 110V, SHORT
041	PB09	HEX BOLT 5/16-18 X 1/2"
042	P8793042	SANDING DISC
047	PWRCRD110L	POWER CORD 110V, LONG W/PLUG
048	P8793048	STRAIN RELIEF
049	P8793049	STAR KNOB
050	PRP18M	ROLL PIN 4 X 12
053	PW07	FLAT WASHER 5/16"
054	PW02M	FLAT WASHER 5MM
055	P8793055	PHLP HD SCR 3/16-24 X 3/8"
060	P8793060	KNOB, MITER GAUGE
061	P8793061`	¼" WASHER
062	P8793062	MITER GAUGE BODY
063	P8793063	PHLP HD SCR 3/16-24 X 3/8"
064	P8793064	POINTER
065	P8793001	MITER BAR
066	P8793066	STRAIN RELIEF

WARRANTY AND RETURNS

Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.

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

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

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

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

WARRANTY CARD

Name _____

Street _____

City _____State_____Zip_____

Phone Number_____E-Mail_____FAX_____

MODEL # G8793 12" Double Disc Sander Order #_____

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
___Catalog
___World Wide Web
___Friend
___Card Deck

___Other_____

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

___American Woodworker
___Cabinetmaker
___Family Handyman
___Fine Homebuilding
___Fine Woodworking
___Home Handyman
___Journal of Light Construction
___Old House Journal
___Popular Mechanics
___Popular Science
___Popular Woodworking
___Practical Homeowner
___Shop Notes
___Today's Homeowner
___WOOD
___Wooden Boat
___Woodshop News
___Woodsmith
___Woodwork
___Woodworker
___Woodworker's Journal
___Workbench

___Other_____

3. Which of the following woodworking/remodeling shows do you watch?

___Backyard America
___Home Time
___The American Woodworker
___The New Yankee Workshop
___This Old House
___Woodwright's Shop

___Other_____

4. What is your annual household income?

___$20,000-$29,999
___$30,000-$39,999
___$40,000-$49,999
___$50,000-$59,999
___$60,000-$69,999
___$70,000-$79,999
___$80,000-$89,999
___$90,000 +

5. What is your age group?

___20-29
___30-39
___40-49
___50-59
___60-69
___70 +

6. How long have you been a woodworker?

___0 - 2 Years
___2 - 8 Years
___8 - 20 Years
___20+ Years

7. How would you rank your woodworking skills?

___Simple
___Intermediate
___Advanced
___Master Craftsman

8. What stationary woodworking tools do you own? Check all that apply.

___Air Compressor
___Band Saw
___Drill Press
___Drum Sander
___Dust Collector
___Horizontal Boring Machine
___Jointer
___Lathe
___Mortiser
___Panel Saw
___Planer
___Power Feeder
___Radial Arm Saw
___Shaper
___Spindle Sander
___Table Saw
___Vacuum Veneer Press
___Wide Belt Sander

___Other_____

9. How many of your woodworking machines are Grizzly? _____

10. Which benchtop tools do you own? Check all that apply.

___1" x 42" Belt Sander
___5" - 8" Drill Press
___8" Table Saw
___8" - 10" Bandsaw
___Disc/Belt Sander
___Mini Jointer
___6" - 8" Grinder
___Mini Lathe
___10" - 12" Thickness Planer
___Scroll Saw
___Spindle/Belt Sander

___Other_____

11. How many of the machines checked above are Grizzly? _____

12. Which portable/hand held power tools do you own? Check all that apply.

___Belt Sander
___Biscuit Joiner
___Circular Saw
___Detail Sander
___Drill/Driver
___Miter Saw
___Orbital Sander
___Palm Sander
___Portable Planer
___Saber Saw
___Reciprocating Saw
___Router

___Other_____

13. What machines/supplies would you like Grizzly Industrial to carry?

___12" Table Saw
___12" Jointer
___Combination Planer/Jointer
___Paint & Finishing Supplies
___Contractor's Supplies
___Radial Arm Saw
___Panel Saw
___Brass Hardware
___Lumber

___Other_____

14. What new accessories would you like Grizzly Industrial to carry?

___Builders Hardware
___Fasteners
___Hand Tools
___Wood Components

___Other_____

15. What other companies do you purchase your tools and supplies from?

_____

_____

16. Do you think your purchase represents good value?

___Yes ___No

17. Would you recommend Grizzly Industrial to a friend?

___Yes ___No

18. Would you allow us to use your name as a reference for Grizzly customers in your area? Note: We never use names more than three times.

___Yes ___No

19. Comments:_____

_____

_____

_____

_____

CUT ALONG DOTTED LINE

FOLD ALONG DOTTED LINE

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

FOLD ALONG DOTTED LINE

Send a Grizzly Catalog to a friend:

Name_____

Street_____

City_____State_____Zip_____

TAPE ALONG EDGES--PLEASE DO NOT STAPLE