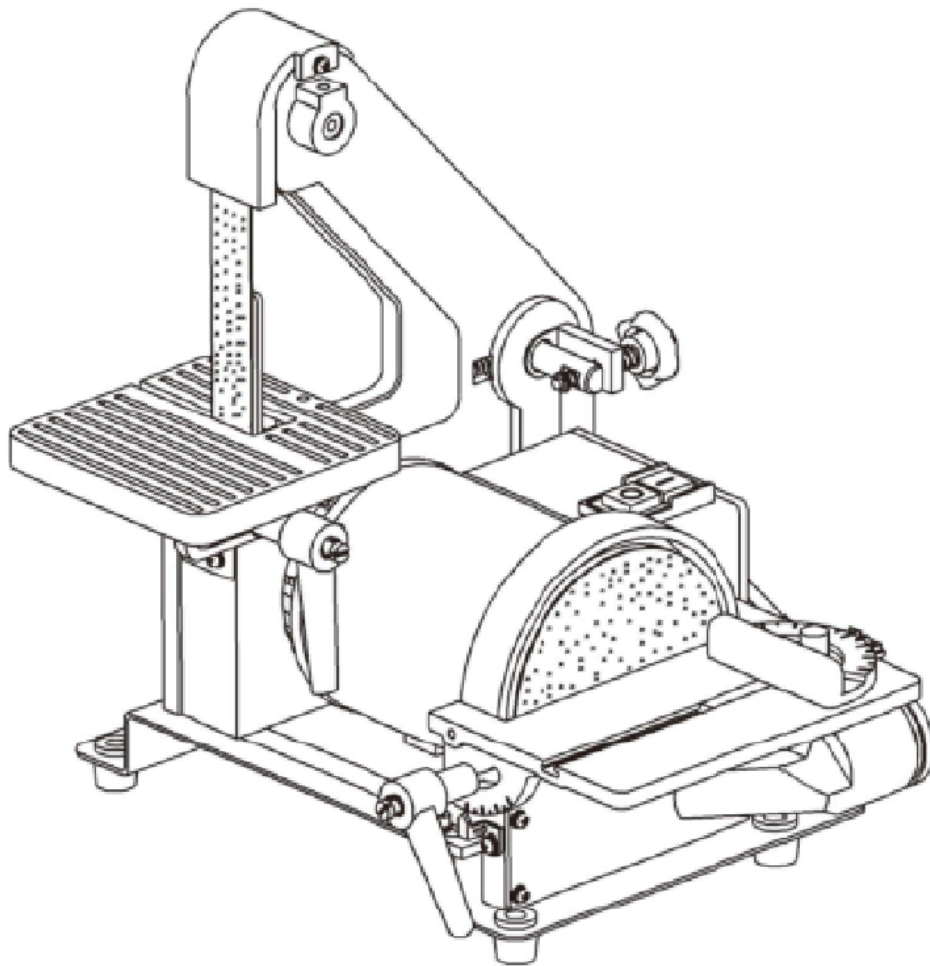




BELT AND DISC SANDER

ITEM # 46000



OWNER'S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL. KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATION, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL, OR THE MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO SERIAL NUMBER

FOR QUESTIONS, PLEASE CALL CUSTOMER SERVICE: 909.628.0880

SAFETY WARNINGS

WARNING

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in injury and/or property damage. Save all warnings and instructions for future reference.

The warning and safety instructions in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when operating or cleaning tools and equipment. Always contact your dealer, distributor, service agent or manufacturer about problems or conditions you do not understand before operating the product.

WARNING! When using electric tools, machines or equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury.

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 it on.
3. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
4. **DO NOT USE IN DANGEROUS ENVIRONMENT.** Do not use power tools in damp or wet locations, or expose them to rain. **Keep work area well lighted.**
5. **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
6. **MAKE WORKSHOP CHILD PROOF** with padlocks, master switches, or by removing starter keys.
7. **DON'T FORCE TOOL.** It will do a better job, and safer at the rate for which it was designed.
8. **USE THE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
9. **USE A PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
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 when cutting. 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 it frees both hands to operate tool.
13. **DON'T OVERREACH.** Keep proper footing and balance at all time.
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: when 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 to persons.

SAFETY WARNINGS

18. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
19. **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.
20. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
21. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.

WARNING!

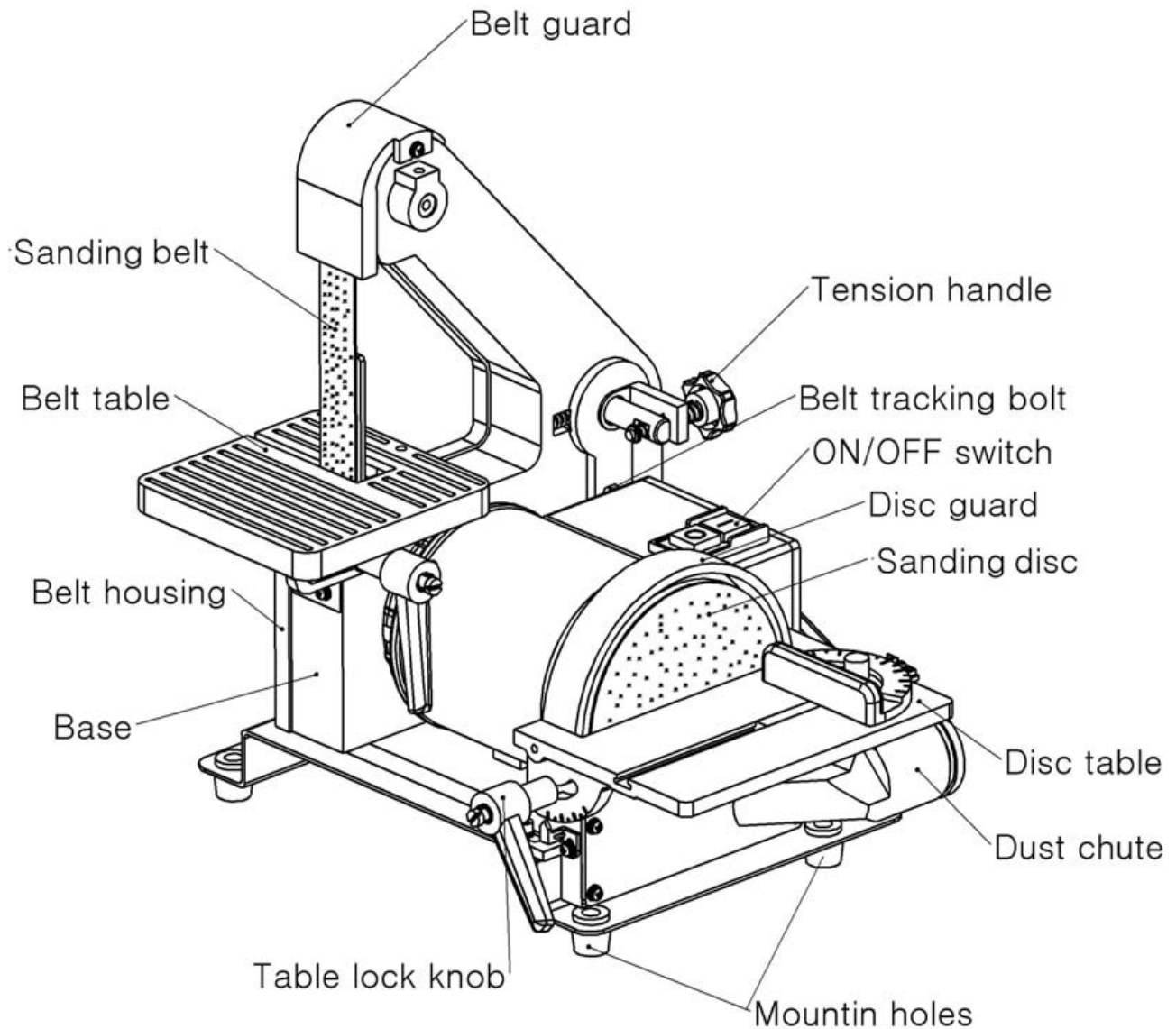
For your own safety, do not try to use your belt and disc sander to plug it in until it is completely assembled and installed according to the instructions, and until you have read and understood this instruction manual.

1. **USE** the sander on horizontal surfaces only. Operating the sander when mounted on non-horizontal surfaces might result in motor damage.
2. **TO STOP** it from tipping over or moving when in use, the sander must be securely fastened to a bench top or supporting surface.
3. **PLACE** the sander so neither the user nor bystanders are forced to stand in line with the abrasive belt or disc.
4. **MAKE SURE** the sanding belt is installed in the correct direction. See directional arrow on back of the belt.
5. **ALWAYS** have the tracking adjusted properly so the belt does not run off the pulleys.
6. **DO NOT USE** sanding belts or discs that are damaged, torn or loose. Use only correct size sanding belt and disc. Narrower belts uncover parts that could trap fingers.
7. **MAKE SURE** there are no nails or foreign objects in the part of the workpiece to be sanded.
8. **ALWAYS HOLD** the workpiece firmly when sanding. Keep hands away from sanding belt or disc. Sand only one workpiece at a time.
9. **ALWAYS HOLD** the workpiece firmly on the table when using the disc sander and when using the belt sander.
10. **ALWAYS SAND ON THE DOWNWARD SIDE** of the sanding disc when using the disc sander. Sanding on the upward side of the disc could cause the workpiece to fly out of position, resulting in injury.
11. **ALWAYS** maintain a minimum clearance of 1.6mm or less between the table or backstop and the sanding belt or disc.

SAFETY WARNINGS

12. **DO NOT** sand pieces of material that are too small to be safety supported.
13. **KEEP** fingers away from where the belt goes into the dust trap.
14. **WHEN** sanding a large workpiece, provide additional support at table height.
15. **DO NOT** sand with the workpiece unsupported. Support the workpiece with the backstop or table. The only exception is curved work performed on the outer sanding drum. Plan your work support.
16. **NEVER USE ANOTHER PERSON** as additional support for a workpiece longer or wider than the table.
17. **ALWAYS** remove scrap pieces and other objects from the table, backstop or belt before turning the sander ON.
18. **NEVER** perform layout, assembly or set-up work on the table while the sander is operation.
19. **NEVER** use solvents to clean plastic parts. Solvents could dissolve or otherwise damage the material. Use only a soft damp cloth to clean plastic parts.
20. **SHOULD** any part of your sander be missing, damaged, or fail in any way, or any electrical components fail to perform properly, shut off switch and remove plug from power supply outlet. Replace missing, damaged or failed parts before resuming operation.
21. **NEVER PULL THE POWER CORD** out of the receptacle by pulling on the cord. Keep cords away from heat, oil and sharp edges.
22. **HAVE AN ELECTRICIAN REPLACE OR REPAIR** damaged or worn cords immediately.
23. When using the belt to grind or sharpen metal or plastic material:
 - **DO NOT** wet grind or polish. Never use a steady stream of water on the workpiece. Dip or quench the workpiece in water to cool it.
 - **DO NOT OVERHEAT THE WORKPIECE.** Move the material across the abrasive and allow it to cool it when it becomes hot.
 - **DO NOT** grind or polish magnesium. It could catch on fire.
24. Do grinding or sanding work at one side at a time.

PARTS AND ASSEMBLY



ASSEMBLY AND ADJUSTMENTS

WARNING!

For your own safety, never connect plug to power source outlet until all assembly and adjustment steps are completed, and you have read and understood the safety and operating instructions.

WARNING!

When replacing abrasive disc or abrasive belt, or any parts on the sander, turn switch OFF and remove the plug from the power source.

INSTALLATION

INSTALLING / REPLACING THE 1" X 30" BELT (FIG. A)

1. Remove the table aligning screw (1) from table.
2. Remove the belt guard (2) and the belt housing (3) by removing the belt housing knob (4).
3. Release the middle wheel (5) tension by SLIGHTLY moving and holding the tension handle (6) downward.
4. Remove the abrasive belt.
5. Install and align the new abrasive belt (7) on the lower wheel (8) and upper wheel (9). There is an arrow on the inside of the belt. The arrow should point down, in the same direction as the rotation arrow on the housing to avoid belt damage.
6. Release the belt tension handle (6). Spring action will tension the belt when the handle is released.
7. Make sure the belt is tracking correctly. Adjust the tracking if necessary. When the belt is tracking properly it rides on the center of each wheel.
8. Replace the belt guard (2), belt housing (3) and re-adjust the belt table (1).

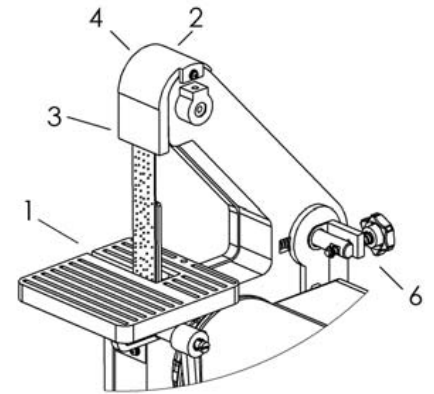
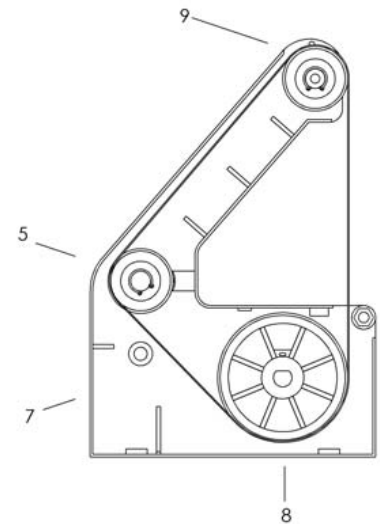


Fig. A

INSTALL THE BELT TABLE (FIG. B)

1. Remove the belt guard (2) and the belt housing (3) by removing the belt housing knob (4). (Fig. A)
2. Insert the bolt (1) into the hex hole of the bracket from the left side (belt side) of the sander.
3. Slide the table bracket (3) and the flat washer (4) onto the bolt.
4. Thread the table handle (5) onto the bolt.
5. Be sure the gap between the belt and table is 1/16" or less. Turn the handle to lock the table position.
6. Replace the belt guard (2), belt housing (3) and re-adjust the belt table (1). (Fig. A)

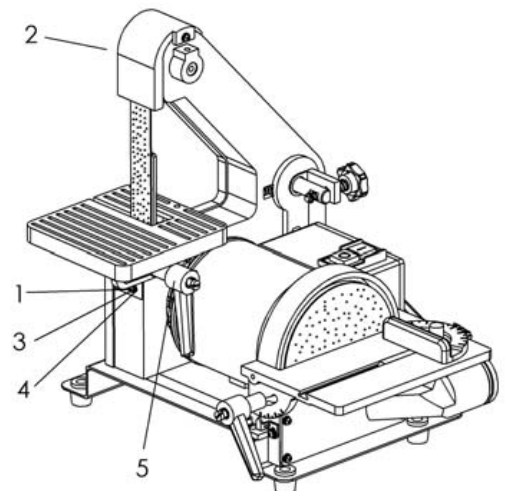


Fig. B

NOTE: The handle can be inserted from the right side if desired.

INSTALLATION

INSTALLING / REPLACING 5" ABRASIVE DISC (FIG. C)

1. Remove the scales and the table assembly (1) from the sander by loosening the knob (2) from both sides of the housing.
2. Tilt the table assembly (1) downward to remove it from the sanding disc plate (3).
3. Remove the dust chute (see Fig. D below).
4. Remove the worn abrasive disc (4) by peeling it from the metal disc plate (3).
5. Clean the metal disc plate if necessary. Apply a new adhesive sanding disc to the disc plate.
6. Reattach the dust chute and table assembly
7. Adjust the table to be 1/16" from the sanding

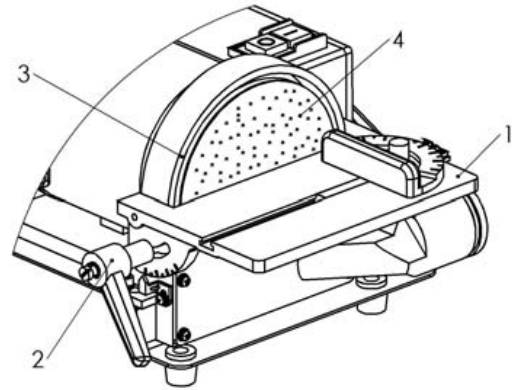


Fig. C

REMOVING AND INSTALLING THE DUST CHUTE (FIG. D)

1. Remove or attach the dust chute (1) to the disc guard housing (2) using the four screws.
2. The dust chute exhaust (3) must point to the side of the sander as shown.

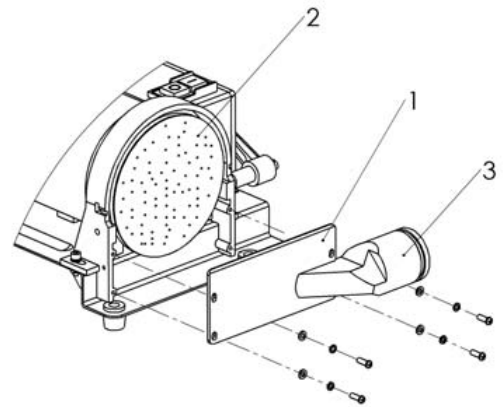


Fig. D

ASSEMBLE THE DISC TABLE (FIG. E)

1. Align the disc table (1) with the holes on the disc guard (2).
2. Attach scales to hole on the disc guard housing. Tighten the screws.
3. Attach knobs (3) and washers (4), tighten the table and guard together.
4. Be sure the gap between the disc and disc table is 1/16" or less.

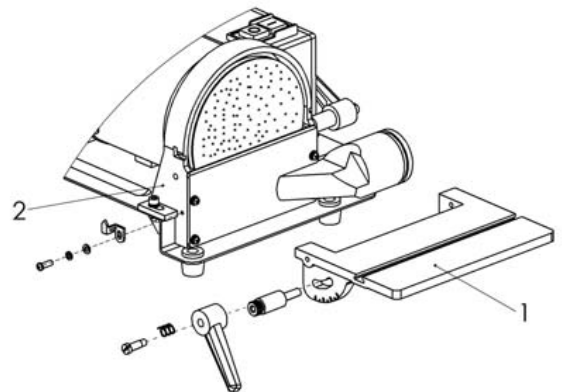


Fig. E

INSTALLATION

MITER GAUGE (FIG. F)

A miter gauge (1) is supplied with your sander and is used with the disc table. The miter gauge body can be turned 0° to 45° right or left for angle or miter sanding. Loosen knob (2), rotate miter gauge body to the desired angle and tight lock knob (2)

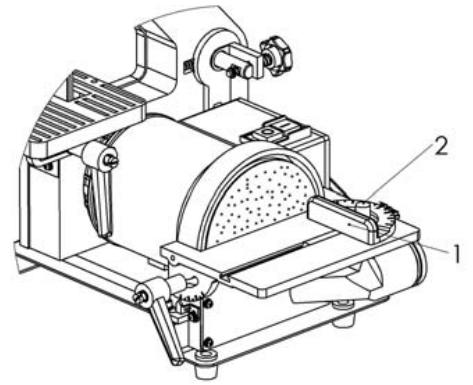


Fig. F

FASTENING SANDER TO WORK SURFACE (FIG. G)

1. To mount your sander in a permanent location such as a sturdy workbench, bolt the base of the sander to a solid workbench top. The base of the sander has 4 mounting holes.
2. Place the sander on the work surface, mark the holes on the work surface and drill $3/8$ " holes. Use bolts, washers and nuts to secure.
3. If the workbench moves or shakes during operation, the workbench must be fastened to the floor.
4. Your sander is designed to be used on horizontal surface only. Motor damage may result when mounted on a non-horizontal surface.

- | | |
|--------------------|---------------|
| 1 Belt Disc Sander | 6 Flat Washer |
| 2 Hex Head Bolt | 7 Lock Washer |
| 3 Rubber Washer | 8 Hex Nut |
| 4 Flat Washer | 9 Jamb Nut |
| 5 Workbench | |

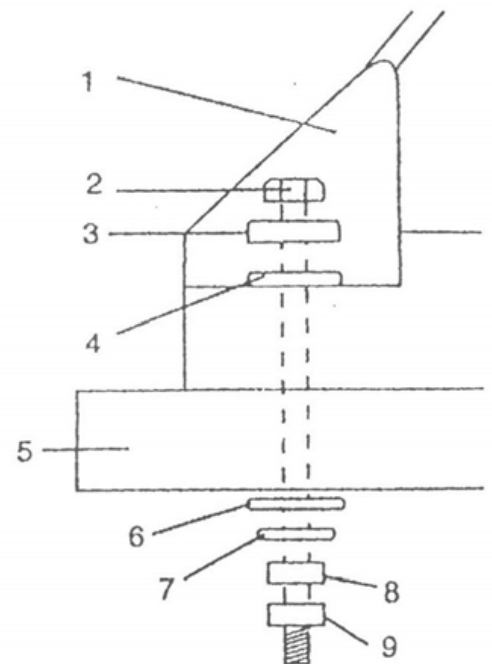


Fig. G

NOTE: Secure tool to supporting structure as tool may tip, slide, or walk on supporting structure.

OPERATION

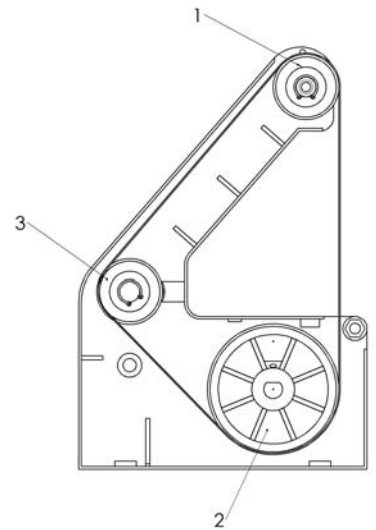
ADJUSTMENT INSTRUCTIONS

WARNING!

Always turn the switch OFF and unplug the power cord from the outlet before adjusting your sander.

TRACKING THE BELT (FIG. H)

1. With the belt guard removed and the sander plugged in, flip the switch ON and the OFF.
2. The belt should remain centered on the upper (1), the middle (3) and the lower (2) wheels as it turns.
3. If the belt moves off center, it needs to be adjusted.
4. If the belt moves to the left, slightly turn the adjusting bolt (4) counter clockwise with a hex key. If the belt moves to the right, slightly turn the adjusting bolt clockwise.
5. Disconnect power and test the belt tracking and table clearances by hand. Adjust if needed.



NOTE: Turn the knob SLIGHTLY to set proper tracking.

6. Replace the belt guard when properly centered and tracking correctly.

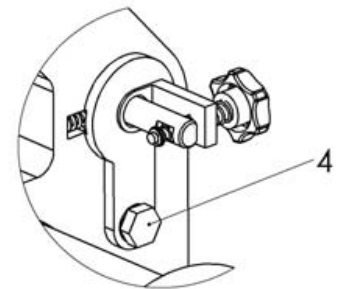


Fig. H

REMOVING THE BACKSTOP FOR CONTOUR SANDING OR POLISHING (FIG. I)

1. Remove the backstop (1) by removing the bolts (2) and washer (3) from the frame.
2. Replace backstop assembly when finished.

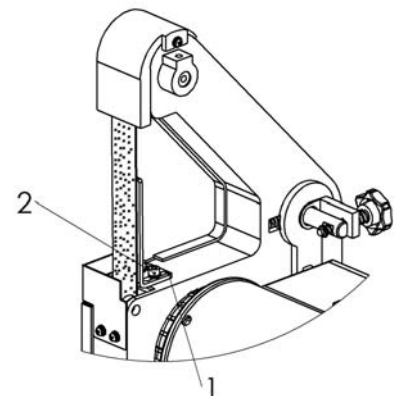
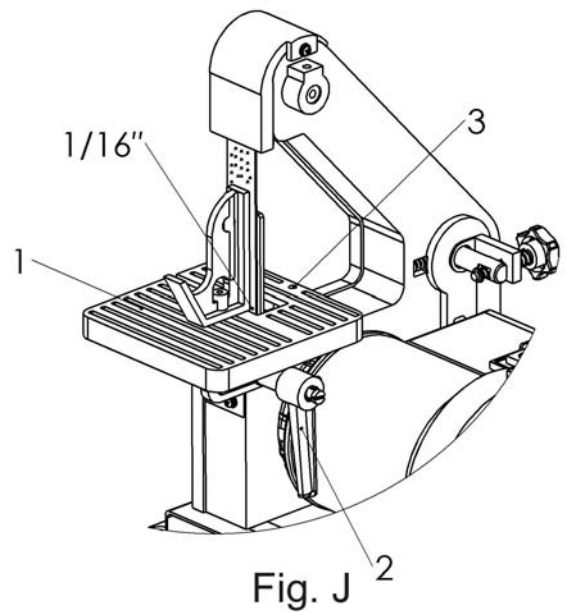


Fig. I

OPERATION

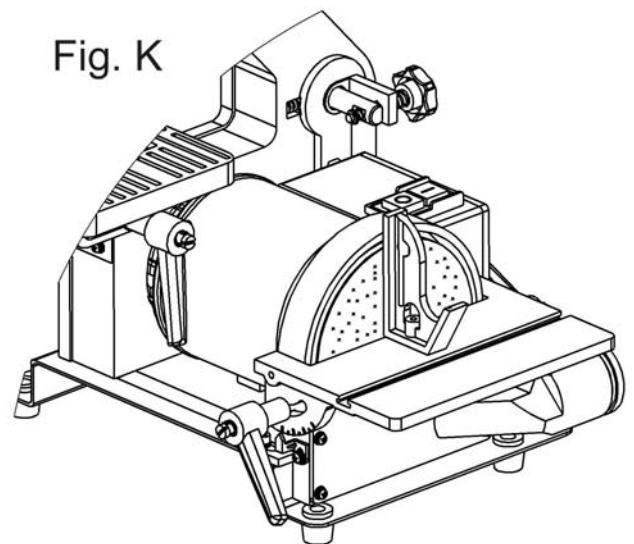
SQUARING THE BELT TABLE (FIG. J)

1. To tilt the table (1) loosen the handle (2).
2. Use a combination square to set the table at 90° .
3. Adjust for the $1/16''$ clearance between the belt and the table edge.
4. When the belt table is squared to the belt at 90° , lock it into position by tightening the handle (2).
5. Using the wrench supplied, turn the set screw (3) until the screw touches the frame.
6. The table can be tilted for bevel sanding.
7. Loosen handle (2). Lower the table to the desired angle.
8. Slide the table toward the belt to set a $1/16''$ gap between table and belt. Lock handle.



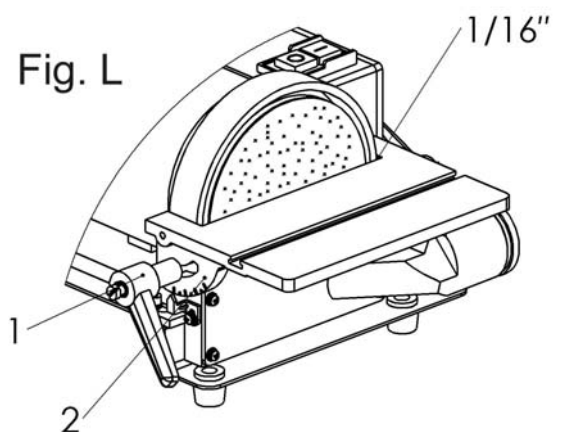
SQUARING THE DISC TABLE (FIG. K) To ensure accurate end sanding, the work table (1) must be square to the sanding disc.

1. Adjust the table (1) to be 90° perpendicular with the sanding disc (2).
2. Using a combination square, check that the table is 90° to the sanding disc.
3. If the table is not 90° to the sanding disc, loosen the table lock knobs (3), adjust the table, tighten the knobs and recheck with the square.



ADJUSTING THE DISC TABLE ANGLE (FIG. L)

1. The disc table is adjustable from 0° to 45° for bevel work.
2. To adjust the table, loosen both table lock knobs (1). Adjust the table to the correct angle. Use the index (2) located on both sides of the table for an approximate angle.
3. Set the table edge to the $1/16''$ from the abrasive disc, tighten the lock knobs (1) to hold the table angle.



SANDING OPERATIONS

CAUTION: To avoid personal injury and/or damage to the workpiece, become familiar with the rotation of the belt and disc sanding surfaces.

The belt sander rotates clockwise, or downward toward the table. The disc sander also rotates clockwise, downward toward the table on the right side of the disc at all times. Using the left side of the disc will cause the workpiece to fly up or kickback and could result in injury. Review this instruction manual for correct operation, adjustment, and basic sanding operations. Apply only enough pressure to remove material: excessive pressure will reduce sanding efficiency.

WARNING!

After sanding wood and other non-metal materials, clean the area of sawdust and debris before grinding metal. Sparks could ignite debris and cause a fire.

ABRASIVE DISC (FIG. N)

WARNING!

Avoid injury from slips, jams or thrown pieces, make sure all adjustments are made. Review section ASSEMBLY AND ADJUSTMENTS for correct disc adjustments.

End sanding and outside curve sanding.

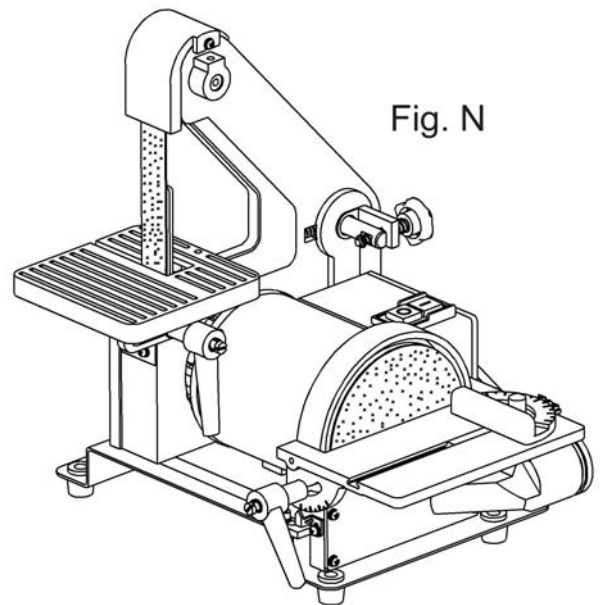
1. Use disc for sanding the ends of small and narrow workpiece and outside curved edges. Always work on the right side of the disc center (downward rotation side), holding the workpiece firmly and applying light pressure against the sanding disc.
2. The disc moves the fastest and removes more material at the outer edge.

WARNING!

Using the left side (upward rotation side) of the disc will cause the workpiece to fly up or kick back and could result in injury.

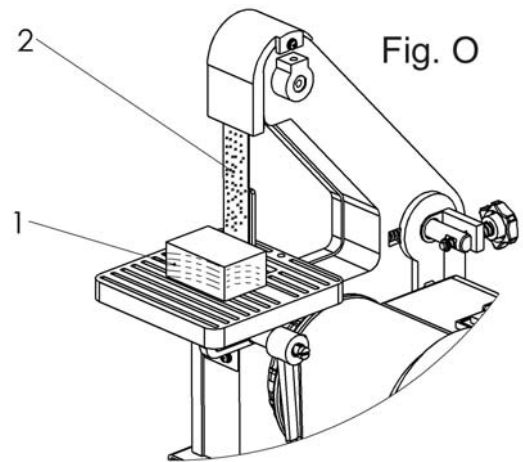
ABRASIVE BELT

The abrasive belt can be used to sand wood, debar metal, or polish plastic and glass. The belt is most efficient when used with the table. The 1" belt size is convenient for getting into corners and concave curved edges.



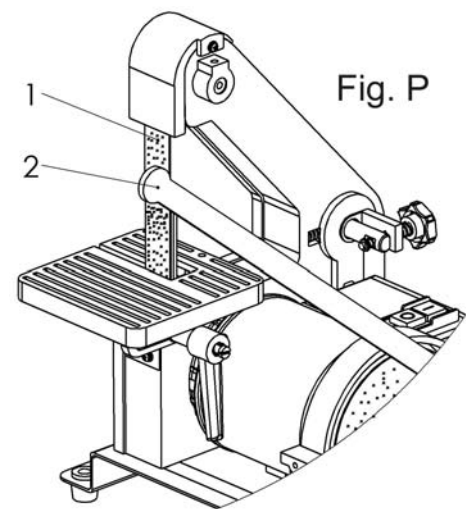
Straight sanding (Fig. O)

1. Use to sand wood, remove metal burrs, polish plastics and glass (1)
2. Keep the backstop (2) for straight sanding or grinding operations.



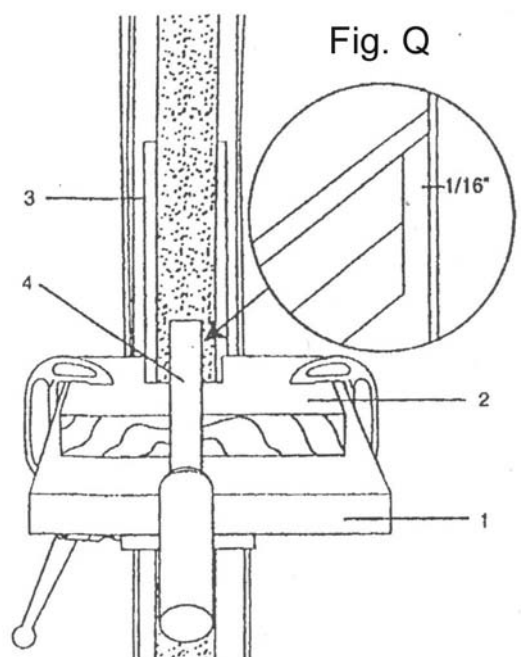
Contour sanding (Fig. P)

1. Remove the backstop to make the abrasive belt flexible for contour sanding operations (1).
2. Move the workpiece against the belt to follow contours of the workpiece (2).



Sharpening (Fig. Q)

1. Adjust the metal table (1) to the desired angle.
2. Make a wooden table-rest (2) that is the same width as the metal table. Use the belt sander to notch the back of the table-rest to match the angle of the metal table.
3. Place the table-rest (2) on the metal table, and use the sander to bevel its front edge until the abrasive belt comes in contact with its top edge.
4. Position the table-rest 1/16" from the abrasive belt and clamp it to the metal table.
5. Keep the backstop (3) in place.
6. Hold the tool (4) firmly on the table-rest and move tools gently toward the abrasive belt while sharpening.



MAINTENANCE

WARNING!

For your safety, turn switch OFF, and remove the power cord from the electrical outlet before adjusting or performing maintenance on your sander.

WARNING!

To avoid electric shock or fire, all repairs to the electrical components should be done by a qualified service technician.

Before each use check for damaged, missing, or worn parts, check for alignment of moving parts, binding, improper mounting, or any other conditions that need or parts are replaced. Frequently blow or vacuum dust from all sander parts and motor housing.

WARNING!

After sanding wood or non-metallic material, always clean area of sawdust before grinding or sharpening metal workpieces. Sparks could ignite and cause a fire.

LUBRICATION

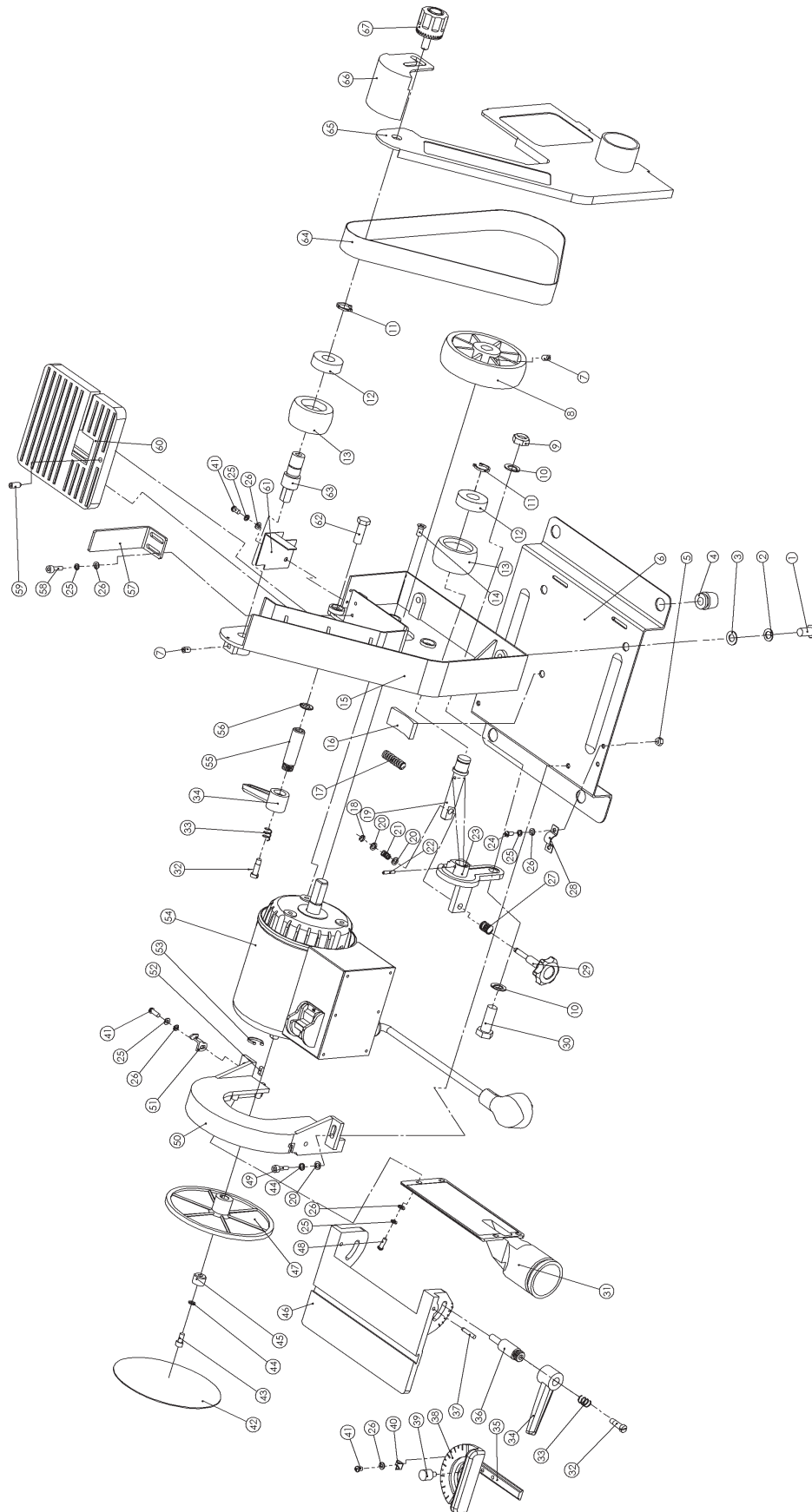
Ball bearings are grease packed at the factory and require no further lubrication. Use a spray lubricant to ensure smooth operation on all moving table parts.

SPECIFICATIONS

Motor Specs.	120V~60Hz 300W
No-load speed	3,450RPM
Belt Size	1" Width x 30" Diameter
Disc Size	5"
Table Tilt	0-45 Degrees

PARTS INFORMATION

1 X 5 BELT/DISC SANDER PARTS ILLUSTRATION



PARTS INFORMATION

1 x 5 BELT/DISC SANDER PARTS LIST

Part#	Description	Qty	Part#	Description	Qty
1	Hex head bolt M8x18	2	35	Miter guide bar	1
2	Spring washer 8	2	36	Screw	1
3	Falt washer 8	2	37	Round pin 4x20	2
4	Rubber foot	4	38	Miter guide	1
5	Nut M4	2	39	Knob	1
6	Base	1	40	Pointer	1
7	Set screw M5x12	1	41	Screw M4x10	3
8	Driving wheel	1	42	Sanding disc 5"	1
9	Locking nut M10	1	43	Screw M5x10	1
10	Falt washer 10	2	44	Spring washer 5	3
11	Retainer ring 15	2	45	Bushing	1
12	Bearing 6202	2	46	Disc table	1
13	Driven wheel (A)	2	47	Backing disc	1
14	Bolt M6x12	3	48	Screw M4x12	4
15	Frame	1	49	Screw M5x16	2
16	Rubber Pad	1	50	Disc guard	1
17	Spring (C)	1	51	Pointer	1
18	E-ring 4	1	52	Flat key	1
19	Driven wheel (B)	1	53	Retainer Ring	1
20	Flat washer 5	5	54	Motor	1
21	Spring (B)	1	55	Locking nut	1
22	Spring pin 3x18	1	56	Toothed washer 8	1
23	Axle seat	1	57	Backstop	1
24	Set screw M4x16	2	58	Screw M4x12	2
25	Spring washer 4	10	59	Belt table alignment screw M6x16	1
26	Flat washer 4	11	60	Belt table	1
27	Spring (A)	1	61	Lower belt guard	1
28	Clip	1	62	Bolt M8x25	1
29	Belt tension knob	1	63	Pulley axle	1
30	Belt tracking bolt M10x30	1	64	Sanding belt 1"x30"	1
31	Dust chute	1	65	Side cover	1
32	Screw	1	66	Upper belt guard	1
33	Spring	1	67	Knob	1
34	Handle	1			

DISCLAIMER

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

The material in this manual is for informational purposes only. The product(s) it describes are subject to change without prior notice, due to the manufacturer's continuous development program. XtremePowerUS makes no representations or warranties with respect to this manual or with respect to the products described herein. XtremePowerUS shall not be liable for any damages, losses, costs or expenses, direct, indirect or incidental, consequential or special, arising out of, or related to the use of this material or the products described herein.

Questions, issues or missing parts?

Before returning to your retailer, our customer service team is here to help.



Call Us: 909.628.0880

Email Us: customer@xtremepowerusa.com

Hours of Operation: 9am - 3pm PST Monday - Friday

MADE IN CHINA