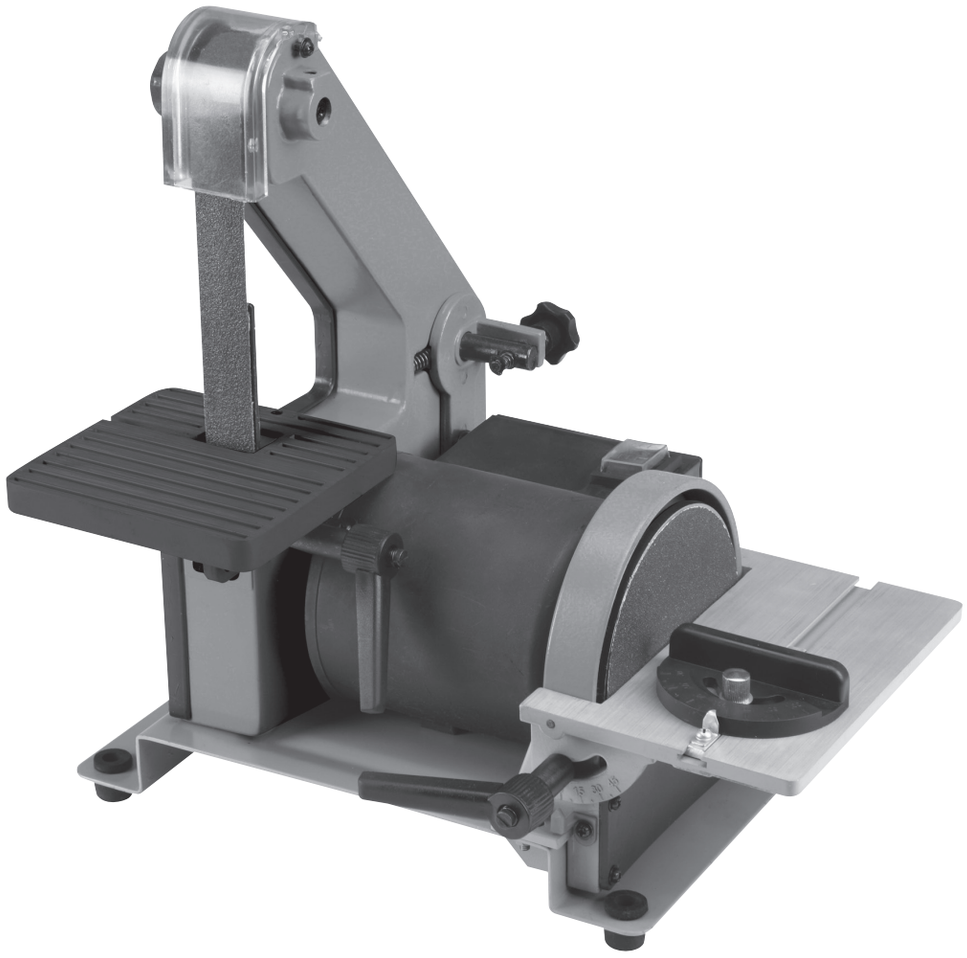
Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

CENTRAL MACHINERY®

1" x 30" Belt and 5" Disc
COMBINATION SANDER



Visit our website at: http://www.harborfreight.com
Email our technical support at: tech@harborfreight.com

ITEM 69033

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-800-444-3353 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

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Specifications 6
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WARNING SYMBOLS AND DEFINITIONS	
⚠	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

General Tool Safety Warnings

⚠WARNING

Read all safety warnings and instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.

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. DON'T USE IN DANGEROUS ENVIRONMENT. Don't 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 KID 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.

General Tool Safety Warnings (cont.)

Table A: RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS (120 VOLT)				
NAMEPLATE AMPERES (at full load)	**EXTENSION CORD LENGTH**			
	25′	**50′**	**100′**	**150′**
0 – 6	18	16	16	14
6.1 – 10	18	16	14	12
10.1 – 12	16	16	14	12
12.1 – 16	14	12	**Do not use.**	

9. USE 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 A 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. Nonslip 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 it 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; 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.
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 the sanding surface against the direction of rotation of the sandpaper only.
21. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop.

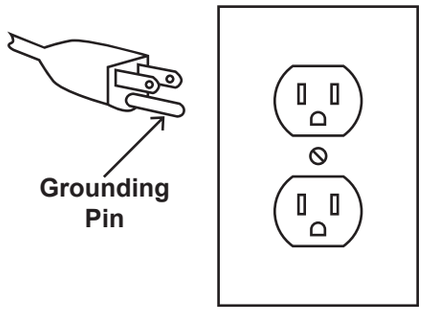
Grounding Instructions

⚠WARNING

TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION READ AND FOLLOW THESE INSTRUCTIONS:

110-120 V~ Grounded Tools: Tools with Three Prong Plugs

1. In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.
2. Do not modify the plug provided – if it will not fit the outlet, have the proper outlet installed by a qualified electrician.
3. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. 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 equipment-grounding conductor to a live terminal.
4. Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.
5. Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.
6. Repair or replace damaged or worn cord immediately.



125 V~ 3-Prong Plug and Outlet (for up to 125 V~ and up to 15 A)

7. This tool is intended for use on a circuit that has an outlet that looks like the one illustrated above in **125 V~ 3-Prong Plug and Outlet**. The tool has a grounding plug that looks like the plug illustrated above in **125 V~ 3-Prong Plug and Outlet**.
8. The outlet must be properly installed and grounded in accordance with all codes and ordinances.
9. Do not use an adapter to connect this tool to a different outlet.

Sander Safety Warnings

1. **For Your Own Safety Read Instruction Manual Before Operating Sander**
2. Wear eye protection.
3. Support workpiece with miter gauge, backstop, or worktable.
4. Maintain 1/16 inch maximum clearance between table and sanding belt or disc.
5. Avoid kickback by sanding in accordance with the directional arrows.
6. The backstop is a fence near the surface that helps the operator maintain control of the workpiece and prevents the workpiece from being pulled into the machine. For safety, it must be adjusted very close to the sanding surface.
7. The worktable is the surface mounted close to the sanding surface that the operator rests the workpiece against to prevent it from being pulled by the sanding surface. For safety, it must be adjusted very close to the sanding surface.
8. The sanding belt is designed to rotate down towards the table while the disc rotates both up from the table and down towards the table. Sand on the belt with the workpiece in front of the backstop and/or table. Sand only on the downward moving surface of the disc - sanding on the upward moving surface may result in the workpiece being thrown up and towards the operator.
9. **DO NOT OPERATE WITH ANY GUARD DISABLED, DAMAGED, OR REMOVED. Moving guards must move freely and close instantly.**

Sander Safety Warnings (cont.)

10. Before working with a metal workpiece, thoroughly clean the Sander and area around the Sander of wood or other non-metal dust and debris. Sparks from the metal surface could ignite debris and cause a fire.

11. The use of accessories or attachments not recommended by the manufacturer may result in a risk of injury to persons.

12. Do not use this sander for wet/lubricated sanding.

13. When servicing use only identical replacement parts.

14. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.

15. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

16. Industrial applications must follow OSHA guidelines.

17. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

18. Avoid unintentional starting. Prepare to begin work before turning on the tool.

19. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.

20. WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
    • Lead from lead-based paints
    • Crystalline silica from bricks and cement or 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. (California Health & Safety Code § 25249.5, *et seq.*)

21. WARNING: Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, *et seq.*)

22. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Vibration Safety

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.

2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.

3. Use tools with the lowest vibration when there is a choice between different processes.

4. Include vibration-free periods each day of work.

5. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.

6. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

SAVE THESE INSTRUCTIONS.

Specifications

Electrical Rating	120V~ / 60Hz / 2.5A
Motor No Load Speed	3450 RPM
Max. Accessory Diameter	Disc - 5" D Belt - 1"W x 30"L

US

Setup - Before Use:

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the tool to its "OFF" position and unplug the tool from its electrical outlet before assembling or making any adjustments to the tool.

Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

Assembly/Mounting

Mounting Sander to work table (sold separately)

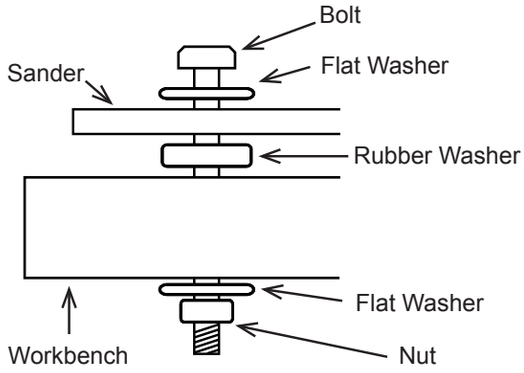


Figure A

1. Choose a level location with enough room on all sides to use the Sander. The workbench or table must be able to withstand the weight of the Sander and any tools or workpieces. Check that the electrical cord will be routed along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage.

Note: This sander is designed to be used on horizontal surfaces only. Do not mount vertically or at an angle. Motor damage may result.

2. Remove the four feet from the Sander.
3. Place the Sander in position and mark the location through the four mounting holes.
4. Remove the Sander and drill four 3/8″ diameter holes at the markings.
5. Secure in place with the hardware (sold separately) as shown at left.

Note: Hardware must be strong enough to withstand the weight and pressure of the Sander.

Belt Setup

Belt Installation / Replacement

1. Loosen and remove the Table Lock Handle, the Toothed Washer, and remove the Belt Table from the Sander. Leave the Bolt inside the Frame in place.
2. Unthread the two screws holding the Lower Belt Guard in place and remove the Lower Belt Guard.

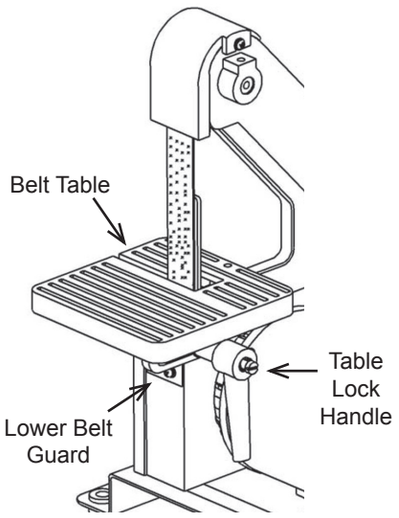


Figure B

3. Unthread and remove the Screw holding the Upper Belt Guard in place. Remove the Upper Belt Guard.
4. Unthread and remove the Knob holding the Belt Cover in place.
5. Remove the Belt Cover by pulling up on the Belt Cover so the Flanges come out of the base of the Sander.

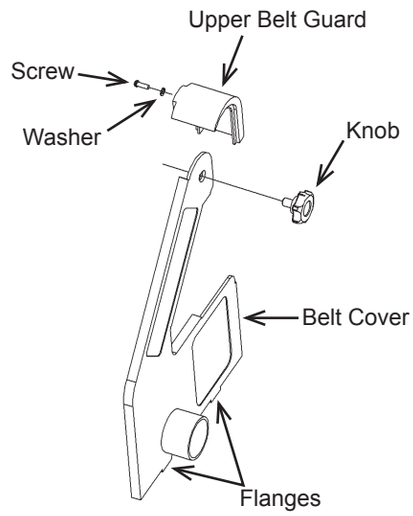


Figure C

6. Turn the Tension Knob counterclockwise to loosen the belt tension.
7. Slide the old Belt off and replace with a new Belt.
8. Tighten the Tension Knob, turning clockwise.
9. Replace the Guards, Belt Cover and the Belt Table (see page 8). Proceed to Adjusting Belt Tracking.

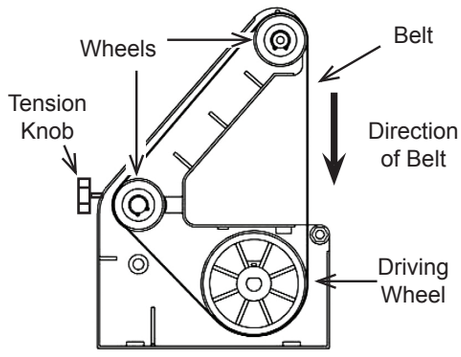


Figure D

Belt Setup (cont.)

Adjusting Belt Tracking

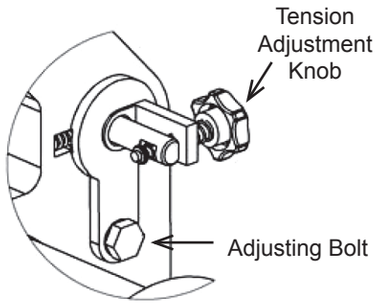


Figure E

1. Remove the Guards, Belt Cover and Belt Table.
2. Plug the unit in and momentarily turn it on and off.

CAUTION: Stand to the side of the belt. Only turn unit on momentarily.

3. Unplug the Power Cord and wait for the unit to come to a complete stop.
4. Check to see if the Belt is centered on all three wheels.
5. If the Belt needs adjustment, turn the Adjusting Bolt counterclockwise if the belt is left of center, and clockwise if the Belt is right of center.

Note: Make the adjustments in small increments, then test again.

6. Repeat steps 2 - 5 until the belt is centered on all three wheels.
7. Replace the Guards, Belt Cover and Belt Table.

Installing / Adjusting the Belt Table

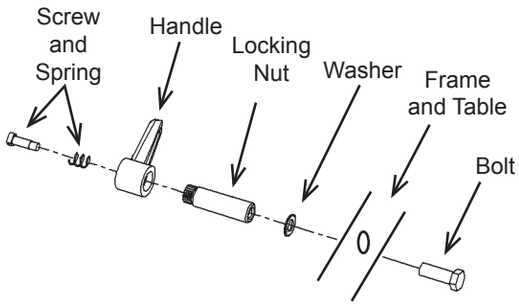


Figure F: Installing Handle

The Belt Table is held in place with the Table Lock Handle and adjusted for level with the Set Screw at the back of the Table.

1. To install the Table Lock Handle and Table:
   a. Slide the Bolt from the inside to the outside of the Frame, then slide the Washer onto the Bolt end.
   b. Position the Table in place then thread the Locking Nut onto the Bolt as far as it will go.

Note: Hold the Table at the desired position while tightening the Locking Nut.

   c. Slide the Handle onto the Locking Nut and secure in place with the Spring and Screw.

2. To adjust the Belt Table for use:
   a. Loosen the Handle by pulling it out and repositioning it so you can slide the Belt Table forward or backward until it is 1/16" from the front of the Sanding Belt, but not touching the Sanding Belt.
   b. Use a Combination square (sold separately) to set the table at 90°.
   c. Lock into position by tightening the Table Lock Handle.
   d. Turn the Set Screw until it touches the Sander Frame.
3. To tilt the Belt Table for bevel sanding. Loosen the Table Lock Handle and tilt the Belt Table forward then tighten the Table Lock Handle.

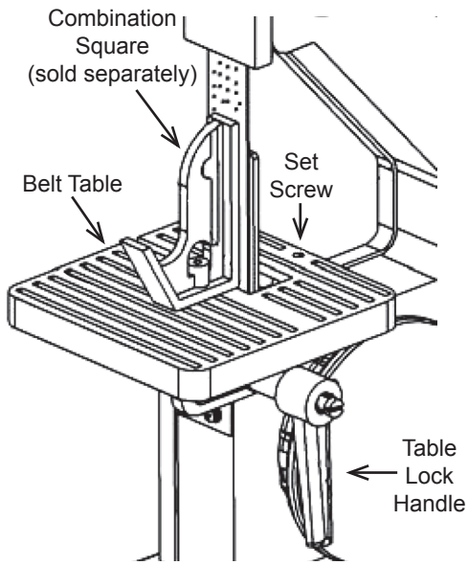


Figure G: Adjusting the Belt Table

The Backstop

The Backstop supports the Sanding Belt for sanding flat surfaces. It is held in place on the Frame with two screws through the opening in the Belt Table. To sand curved surfaces, remove the Backstop, or back it away from the Sanding Belt.

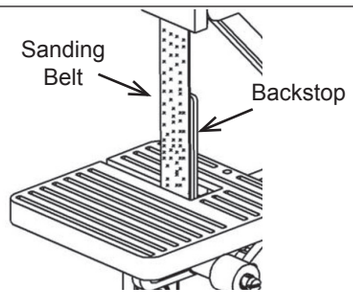
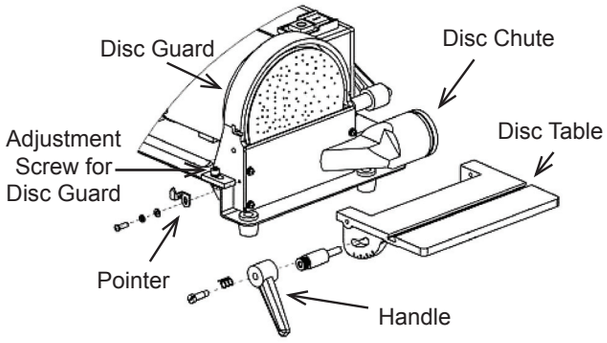


Figure H

Disc Setup

Disc Table Assembly / Removal



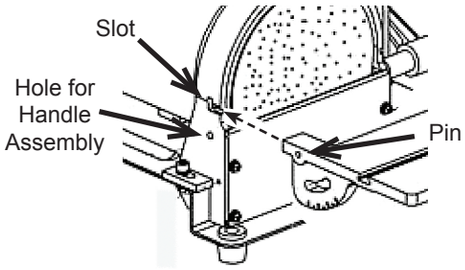


Figure I

1. To remove the Disc Table Assembly:
   a. Unthread and remove the Handles on both sides of the Disc Table.
   b. Lower the Table and slide it away from the Sanding Disc and remove it from the Sander.
2. To install the Disc Table Assembly:
   a. Align the pins in the Disc Table with the slots on the Disc Guard.
   b. Slide the Disc Table Pins up and in and attach in place with the Handle Assemblies.
3. Check that the Disc Table is 1/16" or less from the Sanding Disc. To adjust:
   a. Loosen the Adjustment Screws on the Disc Guard.
   b. Slide the Disc Guard / Disc Table assembly to the desired distance from the Sanding Disc.
   c. Tighten in place.

Dust Chute Removal

1. Unthread and remove the four Screws holding the Dust Chute in place and remove the Dust Chute, Screws and Washers.
2. When reinstalling the Dust Chute, position the opening facing the back of the unit, as shown at right.

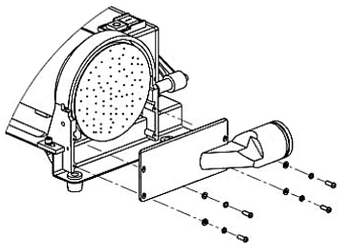


Figure J

Installing Sanding Disc

1. Remove the Disc Table Assembly and the Dust Chute as described above.
2. Pull off the old Sanding Disc by peeling it from the Disc Plate.
3. Clean any saw dust or debris from around the Disc Plate.
4. Press a new PSA Sanding Disc onto the Disc Plate.
5. Replace the Disc Table Assembly and the Dust Chute.
6. Loosen the Disc Guard adjustment bolts, adjust the Guard so the table is 1/16" away from the Sanding Disc, then tighten the Disc Guard Adjustment Bolts.
7. Tighten all handles and screws.

Adjusting the Disc Table Angle

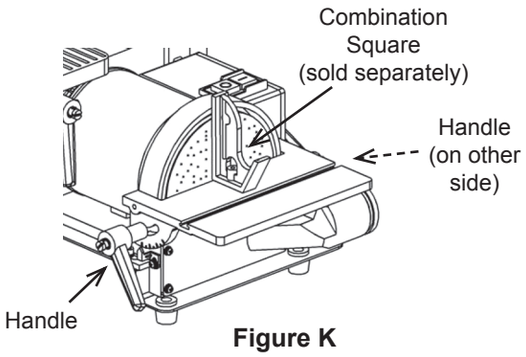


Figure K

1. To set the Disc Sander for a 90°:
   a. Loosen the Handles on both sides of the Disc Table.
   b. Use a Combination square (sold separately) to set the table at 90°.
   c. Lock into position by tightening the Handles.
2. To tilt the Disc Table for bevel sanding (0° - 45°):
   a. Loosen the Handles on both sides of the Disc Table.
   b. Tilt the Table to the desired angle.
   c. Lock into position by tightening the Handles.

Adjusting the Miter Guide

1. Loosen the Knob on the Miter Guide and rotate the Gauge to the desired angle. The Miter Guide can be set from 0° to 45°.
2. Tighten the Knob in place.
3. Place the Miter Guide in the groove on the Disc Table, facing either direction as needed for the project.

Functions

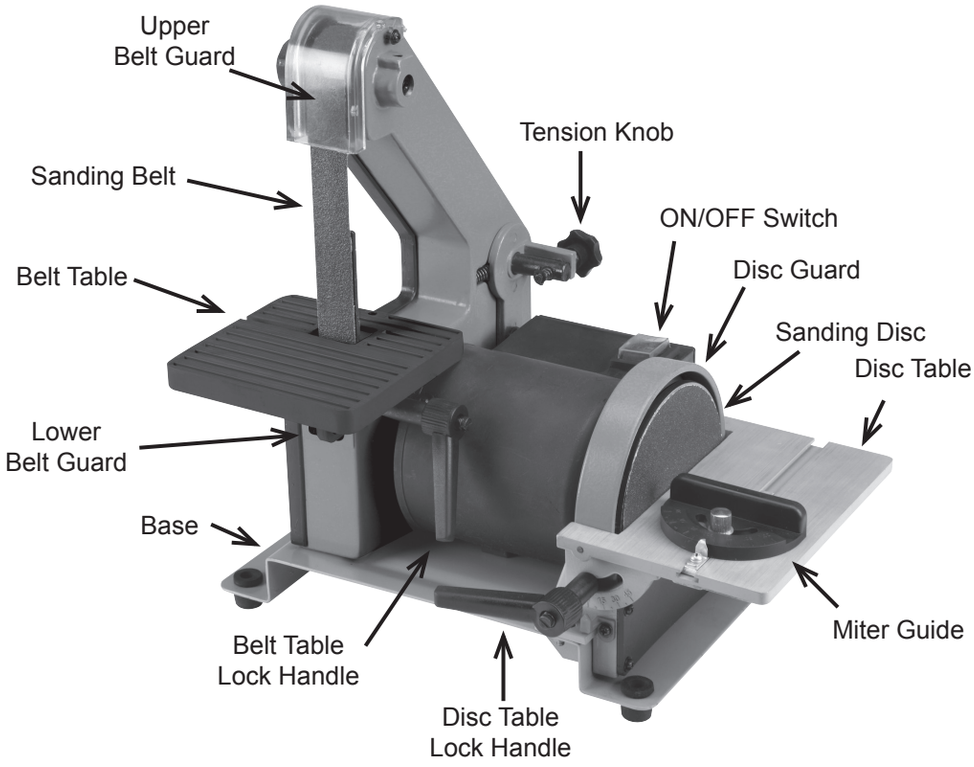


Figure L

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Tool Set Up

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the tool to its "OFF" position and unplug the tool from its electrical outlet before assembling or making any adjustments to the tool.

TO PREVENT SERIOUS INJURY:
DO NOT OPERATE WITH ANY GUARD DISABLED, DAMAGED, OR REMOVED.
Moving guards must move freely and close instantly.

Install Sanding Belt and Sanding Disc and adjust all tables and Guards (pages 7-10).

Workpiece and Work Area Set Up

1. Designate a work area that is clean and well-lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Route the power cord along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.
3. Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
4. There must not be objects, such as utility lines, nearby that will present a hazard while working.

General Operating Instructions

1. Setup the Sander including adjusting tracking of the Sanding Belt, checking that all guards are in place, adjusting the Miter Guide if needed, and checking that both tables are 1/16" maximum from the sanding surfaces and are squared to the sanding surface.
2. Check that the ON/OFF Switch is off, then plug the Power Cord into a 120V~/60Hz grounded outlet.
3. Turn the ON/OFF Switch ON.
4. Wait for the sanding surfaces to come up to full speed.
5. Holding the workpiece firmly on the table surface, slide the workpiece into contact with the sanding surface applying light pressure against the sanding surface.

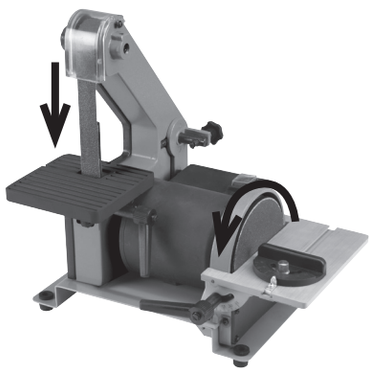


Figure M: Direction of Rotation

CAUTION: Only contact the downward side of the rotating Sanding disc. Bringing the workpiece in contact with the upward rotation of the disc may cause the workpiece to fly up or kickback which may result in injury.

6. To prevent accidents, turn off the tool and disconnect its power supply after use. Clean, then store the tool indoors out of children's reach.

Sanding Tips

Clean the Sander and area around the Sander of dust and debris when changing grits or materials to sand.

WARNING! Before working with a metal workpiece, thoroughly clean the Sander and area around the Sander of wood or other non-metal dust and debris. Sparks from the metal surface could ignite debris and cause a fire.

Disc Sanding Tips

1. Always use the Sander on the downward rotating half of the Sanding Disc.
2. Use the Sanding Disc for sanding the ends of small and narrow workpieces and outside curved edges.
3. Contact the sanding surface with light pressure, keeping aware of what part of the disc you are contacting. The outer edge of the disc moves faster and removes more material than the area of the Sanding Disc closer to the center of the Disc.

Belt Sanding Tips

1. Use the Belt Sanding surface to sand wood, deburr metal, or polish plastic or glass.
2. When sanding flat surfaces, keep the Backstop installed so the workpiece contacts a straight flat sanding surface.
3. When sanding curved surfaces, remove the Backstop or back it off, so the Belt will have some give, and will better contact the curved edges of the workpiece.
4. When sharpening a metal tool:
   a. Keep the Backstop in place for a firm sanding surface.
   b. Adjust the Belt Table to the desired angle of the Tool.
   c. Hold the tool firmly on the Belt Table top and slide the tool toward the sanding surface making light contact until the bevel is sharpened.

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the tool to its "OFF" position and unplug the tool from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE,** inspect the general condition of the tool. Check for:
   - loose hardware,
   - misalignment or binding of moving parts,
   - cracked or broken parts,
   - damaged electrical wiring, and
   - any other condition that may affect its safe operation.
2. **AFTER USE,** wipe external surfaces of the tool with clean cloth.
3. **⚠WARNING! If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.**

Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool will not start.	1. Cord not connected. 2. No power at outlet. 3. Tool's thermal reset breaker tripped (if equipped). 4. Internal damage or wear. (Carbon brushes or switch, for example.)	1. Check that cord is plugged in. 2. Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads. 3. Turn off tool and allow to cool. Press reset button on tool. 4. Have technician service tool.
Tool operates slowly.	Extension cord too long or wire size too small.	Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See **Table A** on page 3.
Performance decreases over time.	1. Accessory dull or damaged. 2. Carbon brushes worn or damaged.	1. Replace Sanding Belt and/or Sanding Disc as needed. 2. Have qualified technician replace brushes.
Excessive noise or rattling.	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have technician service tool.
Overheating.	1. Forcing machine to work too fast. 2. Table misaligned. 3. Accessory dull or damaged. 4. Blocked motor housing vents. 5. Motor being strained by long or small diameter extension cord.	1. Allow machine to work at its own rate. 2. Check and correct table alignment. 3. Replace Sanding Belt and/or Sanding Disc as needed. 4. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air. 5. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See **Table A** on page 3.

Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.

PLEASE READ THE FOLLOWING CAREFULLY

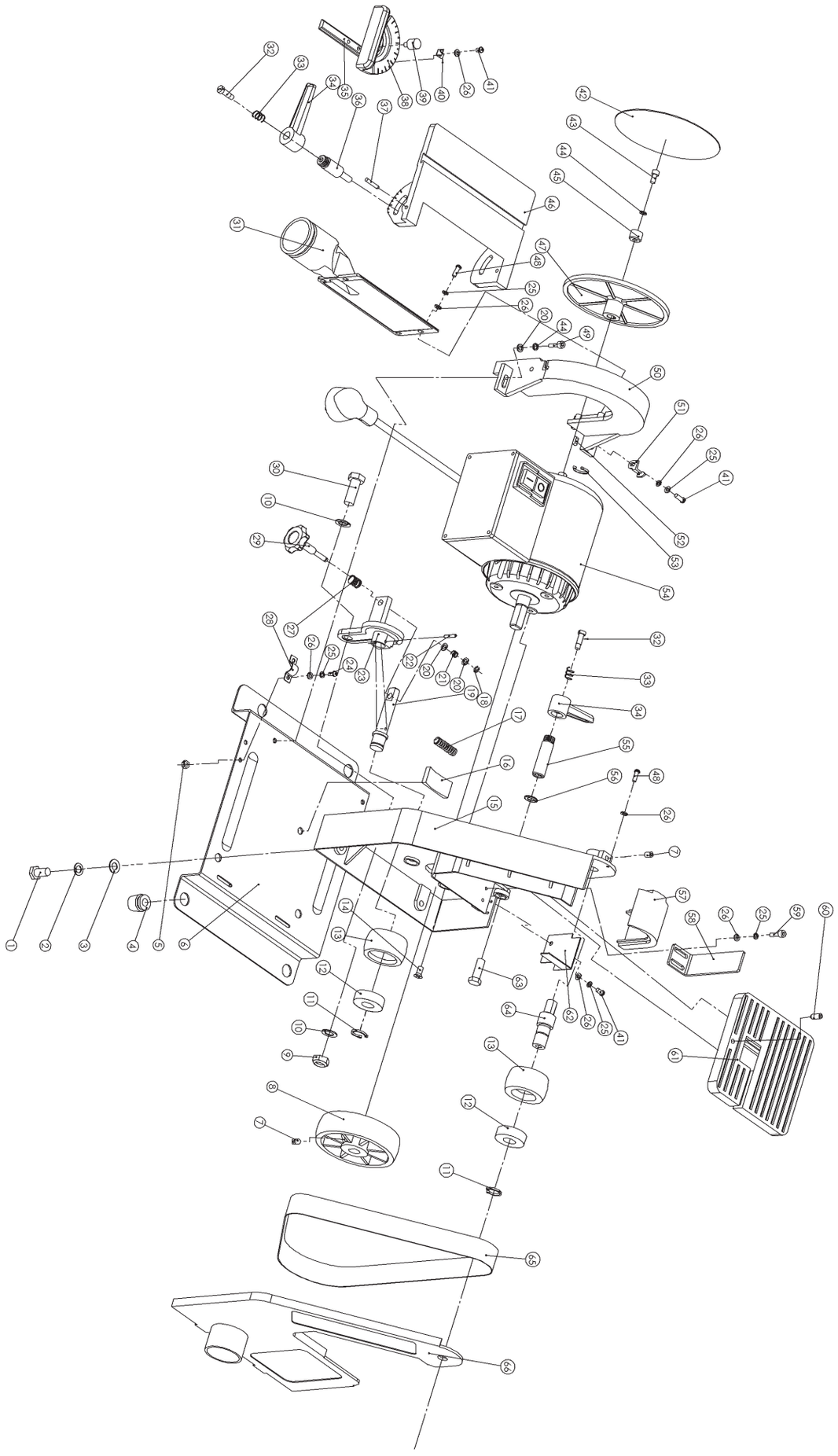
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Parts List

Part	Description	Qty
1	Hex Head Bolt M8×18	2
2	Spring Washer 8	2
3	Flat Washer 8	2
4	Rubber Foot	4
5	Nut M4	2
6	Base	1
7	Set Screw M5×12	1
8	Driving Wheel	1
9	Locking Nut M10	1
10	Flat Washer, 10	2
11	Retainer Ring ,15	2
12	Bearing, 6202	2
13	Driven Wheel (A)	1
14	Bolt M6×12	3
15	Frame	1
16	Rubber Pad	1
17	Spring	1
18	E-Ring,4	1
19	Driven Wheel (B)	1
20	Flat Washer,5	5
21	Spring	1
22	Spring Pin,3×18	1
23	Axle Seat	1
24	Set Screw M4×16	2
25	Spring Washer 4	10
26	Flat Washer 4	10
27	Spring	1
28	Clip	1
29	Belt Tension Knob	1
30	Belt Tracking Bolt M10×30	1
31	Dust Chute	1
32	Screw	1
33	Spring	1
34	Handle	3

Part	Description	Qty
35	Miter Guide Bar	1
36	Screw	2
37	Round Pin φ4×20	2
38	Miter Guide	1
39	Knob	1
40	Pointer	1
41	Screw M4×10	3
42	Sanding Disc 5"	1
43	Screw M5×10	1
44	Spring Washer 5	3
45	Bushing	1
46	Disc Table	1
47	Backing Disc	1
48	Screw M4×12	5
49	Screw M5×16	2
50	Disc Guard	1
51	Pointer	1
52	Flat Key	1
53	Retainer Ring 10	1
54	Motor	1
55	Locking Nut	1
56	Toothed Washer 8	1
57	Upper Belt Guard	1
58	Backstop	1
59	Screw M4×12	2
60	Belt Table Alignment Screw M6×16	1
61	Belt Table	1
62	Lower Belt Guard	1
63	Bolt M8×25	1
64	Pulley Axle	1
65	Sanding Belt 1" x 30"	1
66	Side Cover	1
67	Cover Knob	1

Assembly Diagram



Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. 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 product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.



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