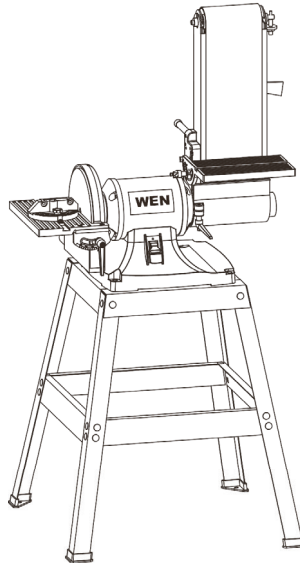




6-INCH BELT SANDER WITH 9-INCH DISC



Model # 6508
bit.ly/wenvideo


IMPORTANT:

Your new tool has been engineered and manufactured to WEN's highest standards for dependability, ease of operation, and operator safety. When properly cared for, this product will supply you years of rugged, trouble-free performance. Pay close attention to the rules for safe operation, warnings, and cautions. If you use your tool properly and for its intended purpose, you will enjoy years of safe, reliable service.



NEED HELP? CONTACT US!

Have product questions? Need technical support?
Please feel free to contact us at:

 **800-232-1195** (M-F 8AM-5PM CST)

 techsupport@wenproducts.com

 WENPRODUCTS.COM

NOTICE: Please refer to wenproducts.com for the most up-to-date instruction manual.

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TECHNICAL DATA

Model Number:	6508
Motor:	120 V, 60 Hz, 9A
Belt Speed:	2700 FPM
Disc Speed:	3450 RPM
Disc Diameter:	9 inches
Belt Size:	6 x 48 inches
Belt Bed Tilt:	0 to 90°
Belt Table Dimensions:	9.75 x 5.75 inches
Disc Table Dimensions:	11.75 x 6 inches
Disc Dust Port:	1-1/4 inch inner, 1-1/2 inch outer
Belt Dust Port:	2-1/4 inch inner, 2-1/2 inch outer
Included Sandpaper Grit:	80 Grit
Net Weight:	83.5 lb
Product Dimensions:	27 x 32 x 41.5 inches

GENERAL SAFETY RULES

Safety is a combination of common sense, staying alert and knowing how your item works. **SAVE THESE SAFETY INSTRUCTIONS.**



WARNING: To avoid mistakes and serious injury, do not plug in your tool until the following steps have been read and understood.

1. **READ** and become familiar with this entire instruction manual. **LEARN** the tool's applications, limitations, and possible hazards.
2. **AVOID DANGEROUS CONDITIONS.** Do not use power tools in wet or damp areas or expose them to rain. Keep work areas well lit.
3. **DO NOT** use power tools in the presence of flammable liquids or gases.
4. **ALWAYS** keep your work area clean, uncluttered, and well lit. **DO NOT** work on floor surfaces that are slippery with sawdust or wax.
5. **KEEP BYSTANDERS AT A SAFE DISTANCE** from the work area, especially when the tool is operating. **NEVER** allow children or pets near the tool.
6. **DO NOT FORCE THE TOOL** to do a job for which it was not designed.
7. **DRESS FOR SAFETY.** Do not wear loose clothing, gloves, neckties, or jewelry (rings, watches, etc.) when operating the tool. Inappropriate clothing and items can get caught in moving parts and draw you in. **ALWAYS** wear non-slip footwear and tie back long hair.
8. **WEAR A FACE MASK OR DUST MASK** to fight the dust produced by operations.



WARNING: Dust generated from certain materials can be hazardous to your health. Always operate the tool in a well-ventilated area and provide for proper dust removal. Use dust collection systems whenever possible.

9. **ALWAYS** remove the power cord plug from the electrical outlet when making adjustments, changing parts, cleaning, or working on the tool.
10. **KEEP GUARDS IN PLACE AND IN WORKING ORDER.**
11. **AVOID ACCIDENTAL START-UPS.** Make sure the power switch is in the OFF position before plugging in the power cord.
12. **REMOVE ADJUSTMENT TOOLS.** Always make sure all adjustment tools are removed from the tool before turning it on.
13. **NEVER LEAVE A RUNNING TOOL UNATTENDED.** Turn the power switch to OFF. Do not leave the tool until it has come to a complete stop.
14. **NEVER STAND ON A TOOL.** Serious injury could result if the tool tips or is accidentally hit. **DO NOT** store anything above or near the tool.

GENERAL SAFETY RULES

15. **DO NOT OVERREACH.** Keep proper footing and balance at all times. Wear oil-resistant rubber-soled footwear. Keep the floor clear of oil, scrap, and other debris.
16. **MAINTAIN TOOLS PROPERLY.** ALWAYS keep tools clean and in good working order. Follow instructions for lubricating and changing accessories.
17. **CHECK FOR DAMAGED PARTS.** Check for alignment of moving parts, jamming, breakage, improper mounting, or any other conditions that may affect the tool's operation. Any part that is damaged should be properly repaired or replaced before use.
18. **MAKE THE WORKSHOP CHILDPROOF.** Use padlocks and master switches and ALWAYS remove starter keys.
19. **DO NOT** operate the tool if you are under the influence of drugs, alcohol, or medication that may affect your ability to properly use the tool.
20. **USE SAFETY GOGGLES AT ALL TIMES** that comply with ANSI Z87.1. Normal safety glasses only have impact resistant lenses and are not designed for safety. Wear a face or dust mask when working in a dusty environment. Use ear protection such as plugs or muffs during extended periods of operation.

SPECIFIC RULES FOR THE BELT/DISC SANDER



WARNING: Do not operate this tool until it is completely assembled and installed according to the instructions.

1. This sander is designed to sand wood or wood-like products only. Sanding or grinding other materials could result in fire, injury, or damage to the workpiece.
2. Use the sander on horizontal surfaces only. Operating the sander when mounted on non-horizontal surfaces may result in motor damage or injury.
3. Make sure the sanding belt is installed in the correct direction. See directional arrow on back of belt.
4. Always have the tracking adjusted properly so the belt does not run off the pulleys.
5. Do not use sanding belts or discs that are damaged, torn, or loose. Use only the correct size sanding belt and disc.
6. Always hold the workpiece firmly when sanding. Keep hands away from sanding belt or disc. Sand only one workpiece at a time.
7. Always hold the workpiece firmly on the table when using the disc sander and when using the belt sander.
8. Always sand on the downward side of the sanding disc when using the disc sander. Sanding on the upward side of the disc can cause the workpiece to fly out of position, resulting in injury.
9. Always maintain a minimum clearance of 1/16 inch (1.6 mm) or less between the table and the sanding belt or disc.

SPECIFIC RULES FOR THE BELT/DISC SANDER

10. Do not sand pieces of material that are too small to be safely supported.
11. When sanding a large workpiece, provide additional table height support.
12. Do not sand with the workpiece unsupported. Support the workpiece with the table. The only exception is curved work performed on the outer sanding drum.
13. Always remove scrap pieces and other objects from the table, or belt before turning the sander ON.
14. Never perform layout, assembly or set-up work on the table while the sander is operating.
15. 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.
16. Should any component of your sander be missing/damaged or fail in any way, shut off switch and remove plug from power supply outlet. Replace the missing, damaged, or failed parts before resuming operation.
17. Never pull the power cord out of the receptacle. Keep cords away from heat, oil, and sharp edges.
18. Have an electrician replace or repair damaged or worn cords immediately.

CALIFORNIA PROPOSITION 65 WARNING

This product and some dust created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.

Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement, and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area with approved safety equipment such as dust masks specially designed to filter out microscopic particles.

ELECTRICAL INFORMATION

GROUNDING INSTRUCTIONS

IN THE EVENT OF A MALFUNCTION OR BREAKDOWN, grounding provides the path of least resistance for an electric current and reduces the risk of electric shock. This tool is equipped with an electric cord that has 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.

DO NOT MODIFY THE PLUG PROVIDED. If it will not fit the outlet, have the proper outlet installed by a licensed electrician.

IMPROPER CONNECTION of the equipment grounding conductor can result in electric shock. The conductor with the green insulation (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.

CHECK with a licensed electrician or service personnel if you do not completely understand the grounding instructions or whether the tool is properly grounded.

USE ONLY THREE-WIRE EXTENSION CORDS that have three-pronged plugs and outlets that accept the tool's plug as shown in Fig. A. Repair or replace a damaged or worn cord immediately.

CAUTION: In all cases, make certain the outlet in question is properly grounded. If you are not sure, have a licensed electrician check the outlet.



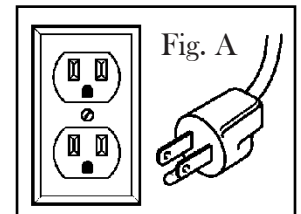
WARNING: This tool is for indoor use only. Do not expose to rain or use in damp locations.

GUIDELINES FOR USING EXTENSION CORDS

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. The table below shows the correct size to be used according to cord length and nameplate ampere rating. When in doubt, use a heavier cord. The smaller the gauge number, the heavier the cord.

Make sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it.

Protect your extension cords from sharp objects, excessive heat and damp/wet areas.

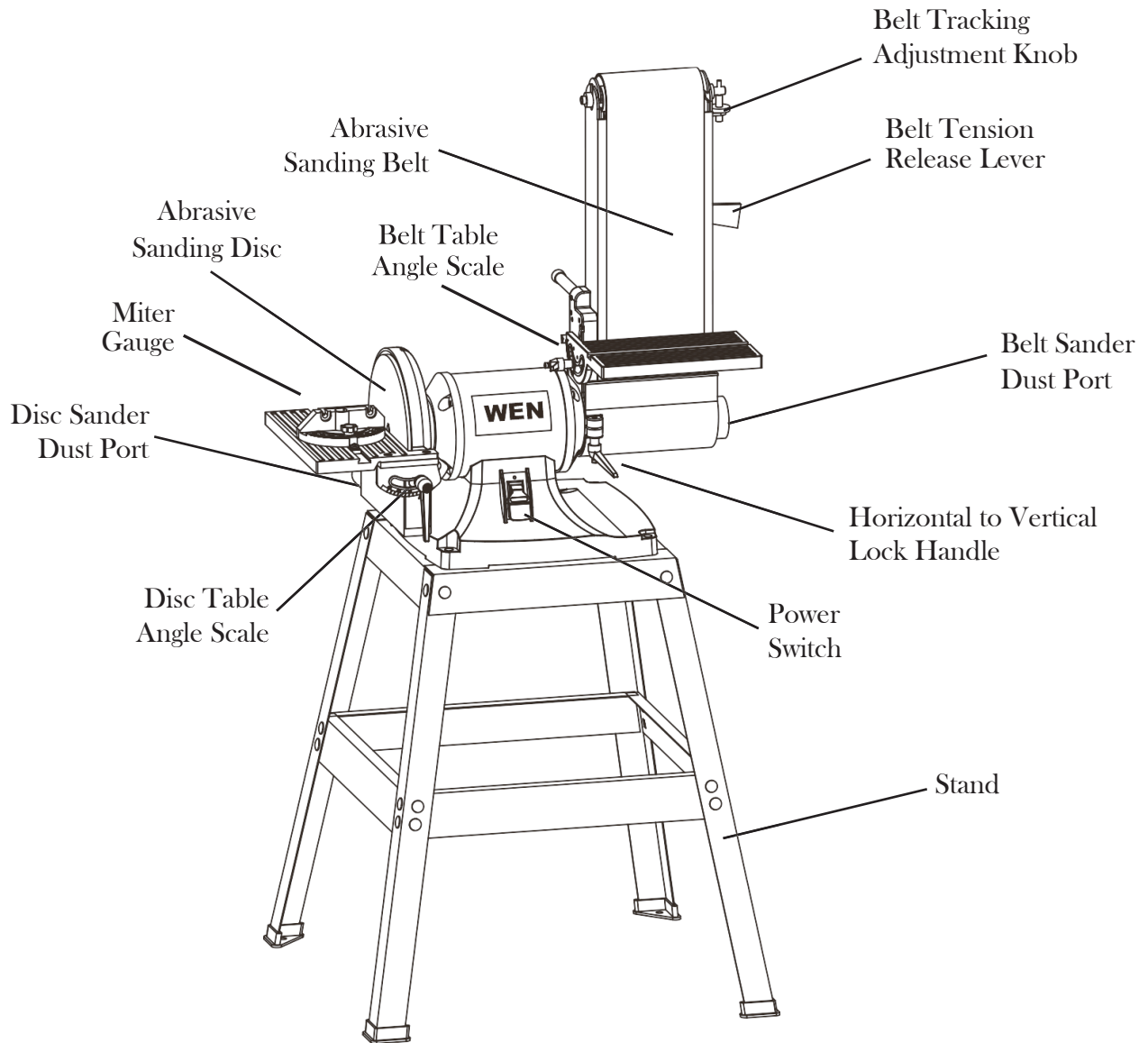


Use a separate electrical circuit for your tools. This circuit must not be less than a #12 wire and should be protected with a 15 A time-delayed fuse. Before connecting the motor to the power line, make sure the switch is in the **OFF** position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.

WARNING: This tool must be grounded while in use to protect the operator from electric shock.

AMPERAGE	REQUIRED GAUGE FOR EXTENSION CORDS			
	25 ft.	50 ft.	100 ft.	150 ft.
10A	14 gauge	12 gauge	10 gauge	8 gauge

KNOW YOUR BELT/DISC SANDER



ASSEMBLY

UNPACKING

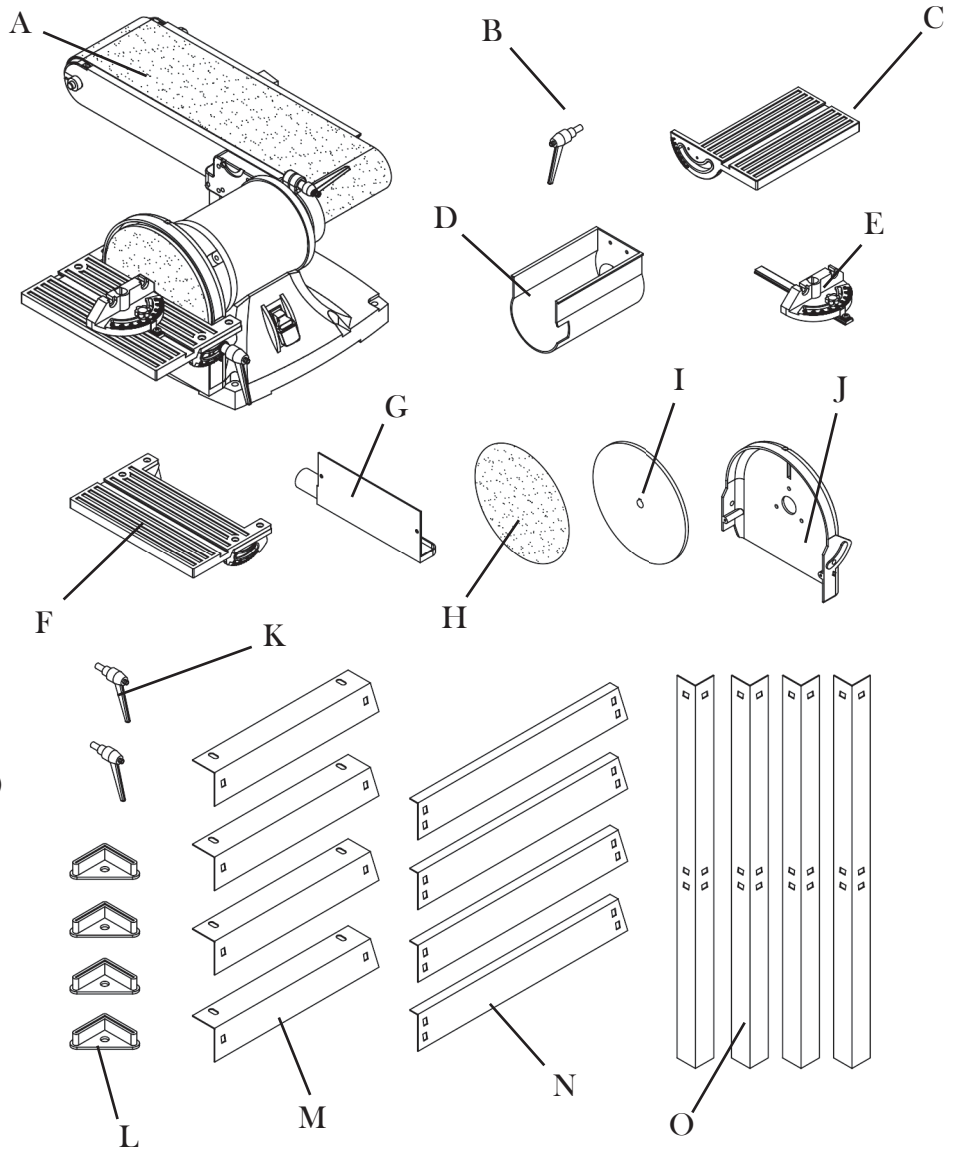


WARNING: To avoid injury from accidental startups, turn switch OFF and remove the plug from the power source outlet before making any adjustments.

Carefully unpack the belt/disc sander and all its parts, and compare against the list below. Do not discard the carton or any packaging until the belt/disc sander is completely assembled.

UNPACKING

- A. Belt Sander
- B. M8x28 Lock Handle
- C. Belt Work Table
- D. Belt Dust Chute
- E. Miter Gauge
- F. Disc Work Table
- G. Disc Dust Chute
- H. Abrasive Disc
- I. Aluminum Base Disc
- J. Disc Guard
- K. M10x20 Lock Handle (2)
- L. Foot (4)
- M. Top Frame (4)
- N. Brace (4)
- O. Leg (4)



HARDWARE BAG

- 8mm Flat Washer
- 10mm Flat Washer (2)
- Socket Pan Head Screw M6X12mm (3)
- 6mm Lock Washer (3)
- 6mm Flat Washer (3)
- Pan Head Screw M5X10mm (4)
- 5mm Flat Washer (4)
- Hex Head Bolt M8X45mm (4)
- 8mm Flat Washer (8)
- M8 Hex Nut (4)
- Hex Wrench
- M8X16 Carriage Bolt (24)
- M8 Washer Head Hex Nut (24)

ASSEMBLY

STAND ASSEMBLY

NOTE: It may help to only hand tighten the bolts until the stand has been fully assembled. Once everything has been put together correctly, then you can tool-tighten the bolts to help ensure a level stand.

1. Attach one top frame (Fig. A - 3) to one pair of legs (Fig. A - 4) using the carriage bolts (Fig. A - 2) and washer head hex nuts (Fig. A - 1) supplied. Repeat for the second pair of legs.

2. Attach one brace (Fig. A - 5) to each pair of legs using carriage bolts and washer head hex nuts.

3. Connect the two sets of legs with the two remaining top frames. Make sure that the square holes in the legs align with the square holes in the top frame and that all parallel top frames are on the same level. Also check that the slots on top of the frame are correctly aligned at each corner. Secure the frames to the legs using carriage bolts and washer head hex nuts.

4. Attach the two remaining braces by aligning the square holes in the legs and the braces. Insert the carriage bolts and secure them in place with washer head hex nuts.

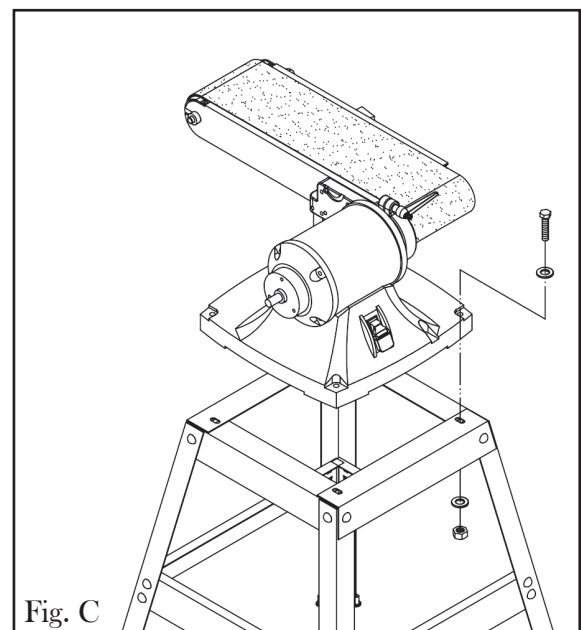
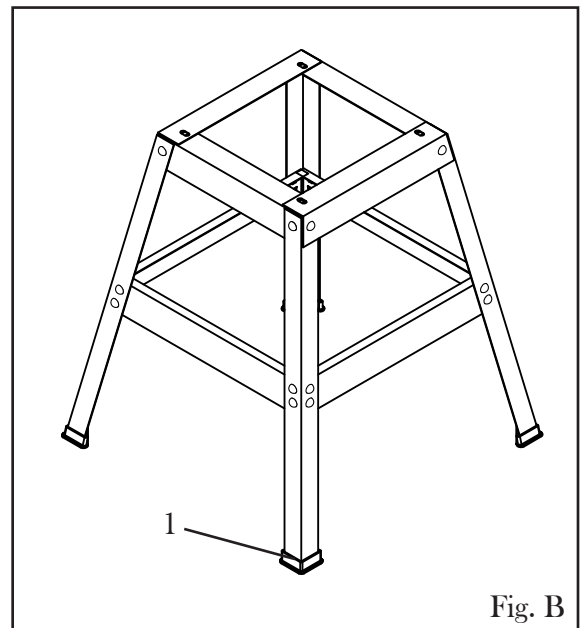
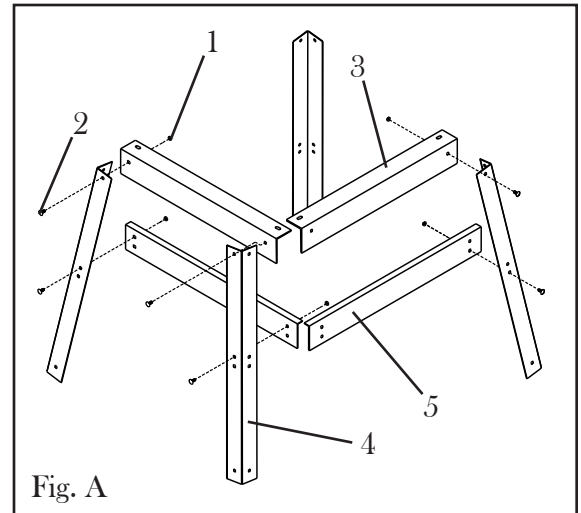
5. Install a foot (Fig. B - 1) onto all four legs.

MOUNTING SANDER TO STAND (FIG. C)

1. With the help of a friend or even a trustworthy stranger, place the sander's body onto the stand.

2. Line up the mounting holes on the sander with the slots on top of the frame.

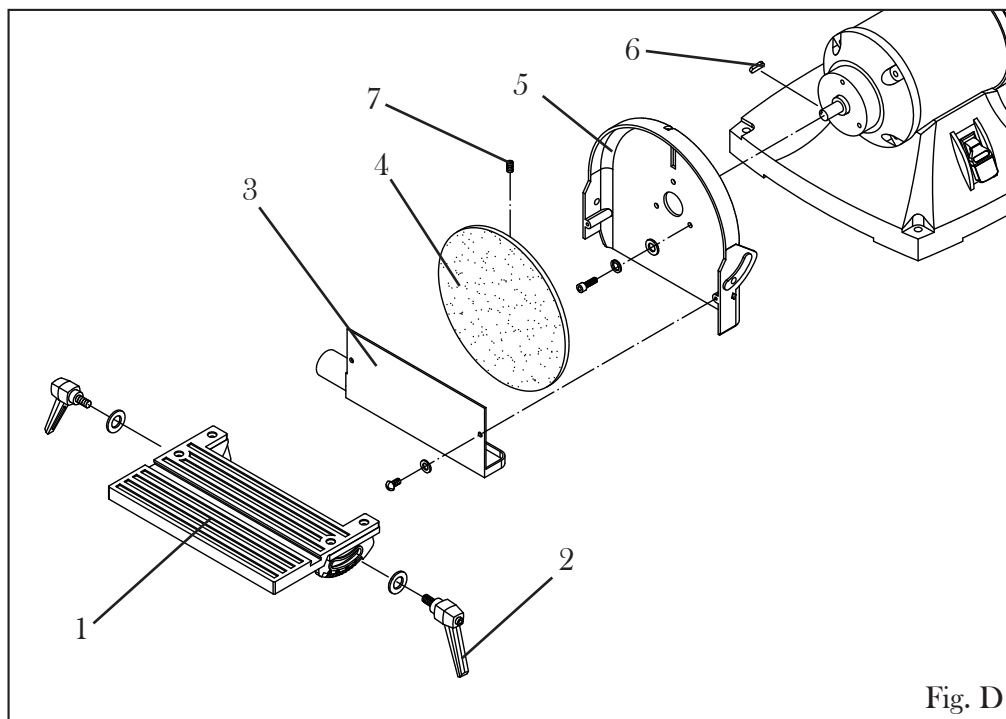
3. Secure the sander to the stand on all four corners using hex head bolts, flat washers and hex nuts.



ASSEMBLY

ASSEMBLE THE DISC TABLE AND DUST CHUTE

1. Attach the disc guard (Fig. D - 5) to the end shield using three socket pan head screws, three flat washers and three lock washers.
2. Remove tape from key (Fig. D - 6) and motor shaft. Slide the aluminum disc with abrasive sandpaper (Fig. D - 4) onto the motor shaft with keyway in disc aligned with key in motor shaft. Secure disc to motor shaft using set screw.
3. Slide the disc dust chute (Fig. D - 3) onto the disc guard (Fig. D - 5) from below the 9-inch disc (Fig. D - 4) with the exhaust port aimed towards the rear of the tool. Secure the dust chute to the disc guard with two pan head screws and flat washers.
4. Slide the disc table (Fig. D - 1) with the attached trunnion onto the raised bosses on each side of the disc guard. Mount the two locking handles (Fig. D - 2) and flat washers through the trunnion into the threaded holes on each side of the disc guard (Fig. D - 5). The locking handles are spring-loaded and can be re-positioned as needed by pulling the handle outwards and adjusting it appropriately.
5. Place the table in the desired position and secure it in place with the locking handles (Fig. D - 2).
6. Be sure the gap between the disc and the disc table is 1/16 inches or less without actually making contact with one another.
7. If adjustment is necessary, loosen the set screw (Fig. D - 7) in the aluminum disc through the opening at the top-rear of the disc guard. Position the disc 1/16 of an inch or less from the edge of the table. Secure the disc by tightening the set screw.



ASSEMBLY

ASSEMBLE THE BELT TABLE AND DUST CHUTE

1. To move the table from the horizontal to the vertical position, loosen the lock handle (Fig. E - 1) that threads into the pivot bracket (Fig. F - 1). Tilt the belt assembly to the vertical position in order to install the table. Secure the belt assembly in position by retightening the lock handle in the pivot brackets. The lock handle is spring-loaded and can be re-positioned as needed by pulling the handle outwards and adjusting it appropriately.
2. Slide the belt table assembly into the trunnion groove in the pivot bracket. Mount it in place using the lock handle and a flat washer. Place the table in the desired position. Be sure that the gap between the belt and the table is 1/16 of an inch or less. Tighten the lock handle securely.
3. Mount the belt dust chute to the plate using two pan head screws and flat washers.

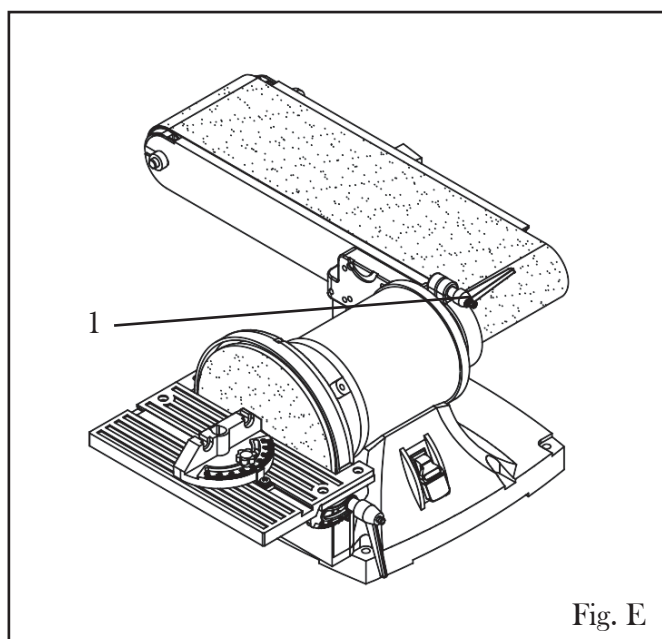


Fig. E

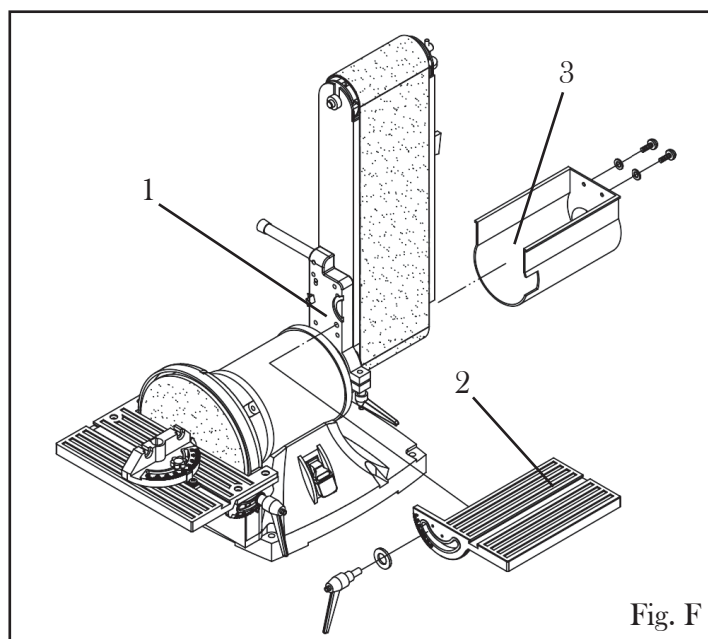


Fig. F

ADJUSTMENTS

ADJUST THE BELT WORK TABLE

1. Place a combination square (not included) (Fig. G - 1) on the belt work table so that it also touches the sanding belt.
2. If the table is not 90 degrees with the belt, loosen the lock handle (Fig. G - 3) and tilt the table. Re-tighten the lock handle to secure the table.
3. Loosen the angle pointer screw (Fig. G - 2) and adjust it. Retighten screw.

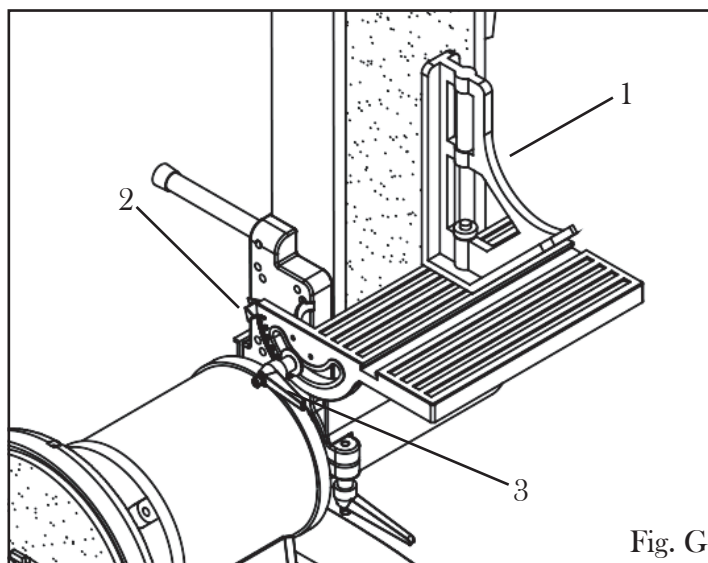


Fig. G

ADJUSTMENTS

ADJUSTING THE SANDING BELT TRACKING

1. Turn on the power switch. If the belt looks like it is going to slide off either drum, the belt tracking needs to be adjusted.
2. Turn the belt tracking adjustment knob (Fig. H -1) until the belt rides on the center of the passive drum and drive drum.

ADJUST THE BELT ASSEMBLY POSITION

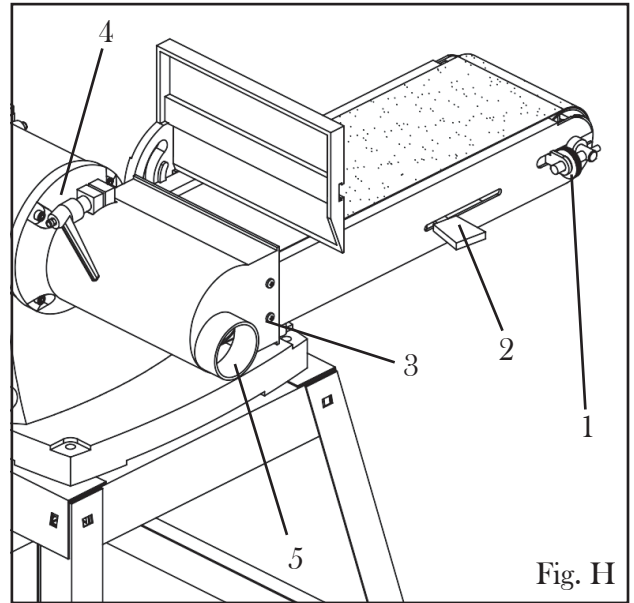
CAUTION: Never make adjustments to the belt sander without first unplugging the power cord from the electrical outlet.

The sanding belt assembly can be adjusted from the horizontal to the vertical position. To adjust:

1. Loosen the lock handle (Fig. H - 4) that is threaded into the pivot bracket.
2. Tilt the belt assembly to the desired position (from horizontal to vertical). Secure the belt assembly in position by tightening the lock handle (Fig. 8 - 4).

REPLACING ABRASIVE BELT

1. The sanding belt should be regularly replaced when worn or torn. Start by removing the belt dust chute (Fig. H - 5) with the two pan head screws and washers (Fig. H - 3).
2. Release the belt tension by pushing the tension lever (Fig. H - 2) towards the passive drum. Slide old belt off the drive and passive drums.
3. Slide the new belt over the drive and passive drums; center the belt on drums.
4. Push the tension lever towards the drive drum to tension the belt.
5. Rotate the belt by hand to check the tracking. The belt should ride centered on the drive and passive drums. Adjust the thumb nut (Fig. H - 1) as needed to center the belt on the drums (see the “Adjusting the Sanding Belt Tracking” section above).
6. Mount the belt dust chute using pan head screws and washers.



ADJUSTMENTS

REPLACING THE ABRASIVE SANDING DISC

1. Remove the disc table and the disc dust chute.
2. Remove the used sanding disc by peeling it from the aluminum base disc. A WEN 2020 Heat Gun can help to soften up the adhesive to make for an easier, cleaner removal.
3. Wipe the aluminum base disc clean if necessary.
4. Peel the backing from the new sanding disc, align the disc with the plate and press the sanding disc firmly on to the plate.
5. Reinstall the dust chute and work table.

ADJUSTING THE DISC TABLE ANGLE

1. The disc table can be adjusted from 0 to 45 degrees for sanding beveled work. To adjust the disc table, loosen the two lock handles (Fig. I - 3) and pivot to the desired angle.
2. Use the scale (Fig. I - 2) on the disc table to set the table from 0 to 45 degrees from the abrasive disc.
3. When the disc table is at the desired angle, lock it into position by securely tightening the handles.

ADJUSTING THE BELT TABLE ANGLE

1. The belt table can be adjusted from 0 to 45 degrees for sanding beveled work. To adjust the belt table, loosen the lock handle (Fig. I - 4) and pivot to the desired angle.
2. Use the scale (Fig. I - 5) on the belt table to set the table from 0 to 45 degrees from the abrasive belt.
3. When the belt table is at the desired angle, lock it into position by securely tightening the handle.

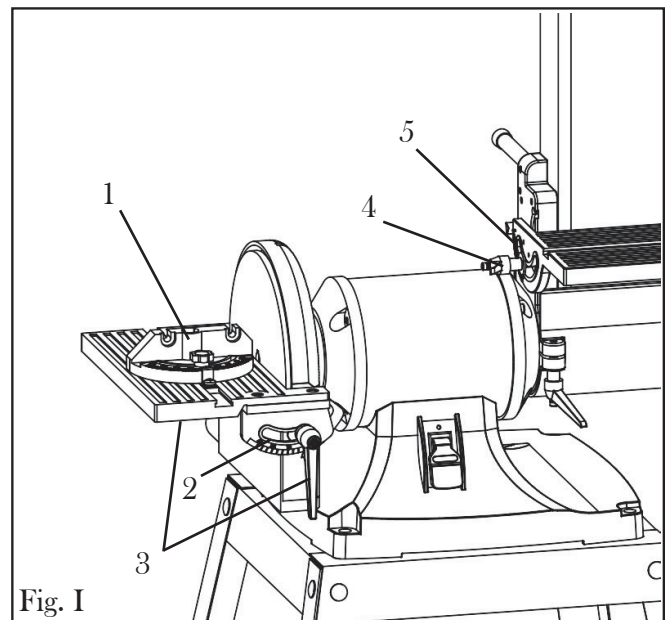


Fig. I

MAINTENANCE

WARNING: For your own safety, turn the switch OFF and remove the plug from the electrical outlet before adjusting or performing maintenance or lubrication work on the belt/disc sander.

Before using, check to make sure parts are not damaged, missing, or worn. Check for alignment of moving parts, binding of moving parts, improper mounting, or any other conditions that may affect the sander operation. If any of these conditions exist, do not use the sander until parts are replaced or the sander is properly repaired. Frequently blow or vacuum dust from all sanding parts and motor housing.

WARNING: Any attempt to repair or replace electrical parts on this tool may be hazardous. Repairs should be done by a qualified service technician.

OPERATION

ON/OFF SWITCH

1. To turn sander ON, insert the safety key into the key slot in the center of the switch.
2. Push key firmly into the slot, then push switch to the ON position to start the sander.
3. To turn the sander OFF push switch to the OFF position.
4. Remove the safety key when the sander has come to a complete stop by gently pulling it forward and out.



WARNING: The keyed switch is intended to prevent unauthorized use of the sander. Remove the safety key whenever the sander is not in use. Place the key in a safe place and out of the reach of children.

SURFACE SANDING ON SANDING BELT

Hold the workpiece firmly with both hands. Keep fingers away from sanding belt. Move the workpiece slowly across the sanding belt. If the table is left on, it can be used like a backstop. Apply enough pressure to remove material; excessive pressure will reduce sanding efficiency.

SANDING INSIDE CURVES

When sanding inside curves on the belt sander, always sand on the passive drum end of the sanding belt (right side of the machine). Hold the workpiece firmly, keeping fingers away from the sanding belt. Keep the curve pressed firmly against the passive drum, moving the work evenly back and forth across the drum.

Note: Use extra caution when sanding very thin pieces, and apply only enough pressure to allow the sanding belt to remove the material.

END SANDING AND OUTSIDE CURVE SANDING WITH THE DISC

Use the disc for sanding the ends of small and narrow workpieces and outside curved edges. Always work on the right side of the disc (downward rotation side), holding the workpiece firmly with light pressure against the sanding disc.



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

The disc sander rotates clockwise, downward toward the table on the right side of the disc and upward from the table on the left side of the disc. Always use the right side of the disc; 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, adjustments, and basic sanding operations.

MITER GAUGE - DISC SANDER

A miter gauge is supplied with your sander, and can be used on the disc table. The miter gauge head can be set anywhere up to 60° (right or left) by loosening the lock-knob, setting the miter gauge head to the desired angle, and retightening the lock-knob.

SANDING SMALL END GRAIN AND OTHER SMALL SURFACES USING MITER GAUGE

Use of the miter gauge is recommended for sanding small end surfaces on the sanding disc.

Note: Always move the workpiece across the sanding disc from the center towards the right side, and be sure to hold the workpiece down tightly onto the table surface.

TROUBLESHOOTING

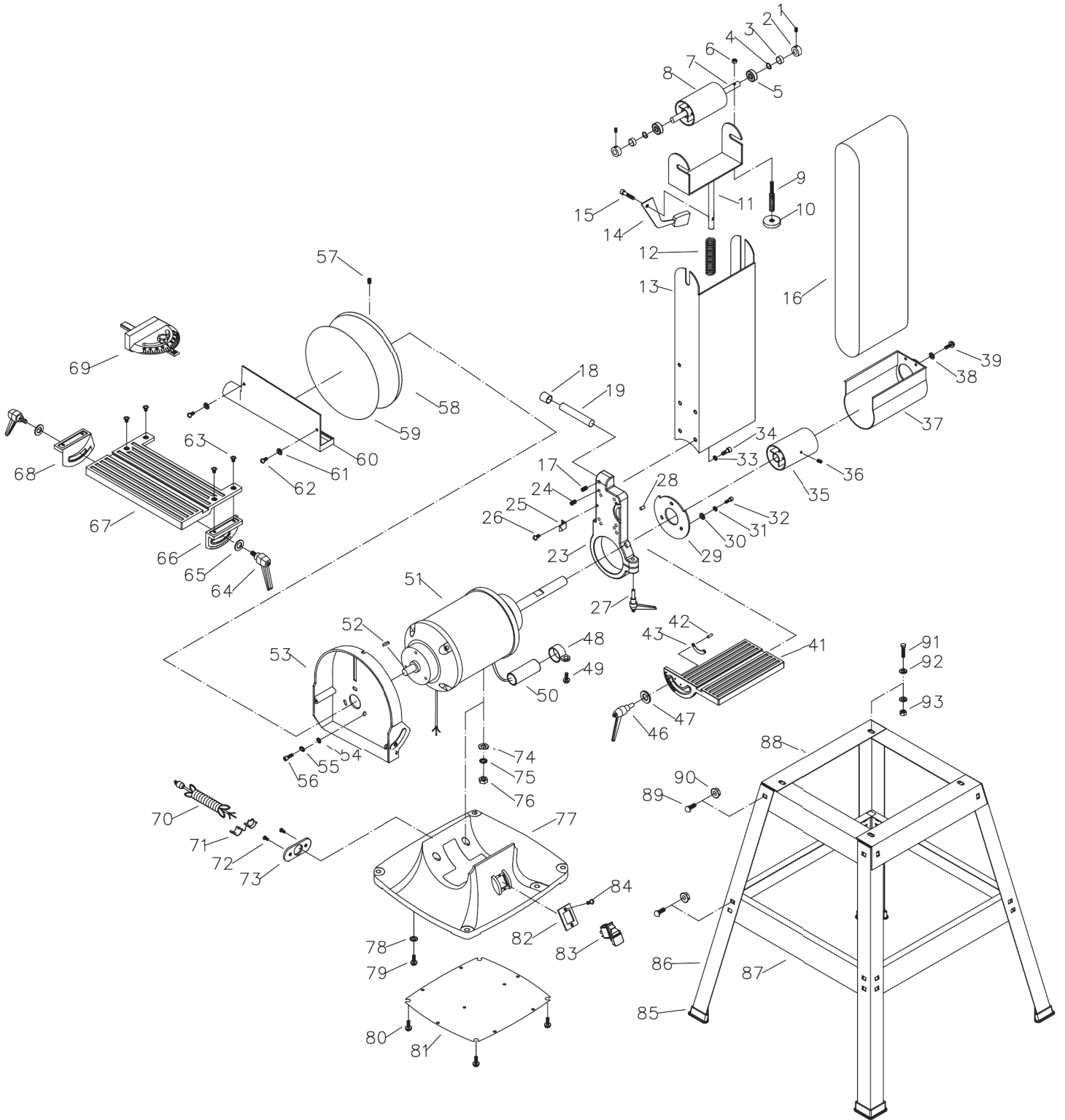
PROBLEM	CAUSE	SOLUTION
Sanding grains easily rub off belt or discs	<ol style="list-style-type: none"> 1) Sanding belt/disc has been stored in an incorrect environment. 2) Sanding belt/disc has been damaged or folded. 	<ol style="list-style-type: none"> 1) Store sanding accessories away from extremely hot/dry temperatures. 2) Store sanding accessories flat—not bent or folded.
Deep sanding grooves or scars in workpiece.	<ol style="list-style-type: none"> 1) Sanding belt/disc grit is too coarse for the desired finish. 2) Workpiece sanded across the grain. 3) Too much sanding force on workpiece. 4) Workpiece held still against belt-disc for too long. 	<ol style="list-style-type: none"> 1) Use a finer-grit sanding accessory. 2) Sand with the grain of the wood. 3) Reduce pressure on workpiece while sanding. 4) Keep workpiece moving while sanding on the sanding accessory.
Sanding surface clogs quickly	<ol style="list-style-type: none"> 1) Too much pressure against belt/disc 2) Sanding softwood. 	<ol style="list-style-type: none"> 1) Reduce pressure on workpiece while sanding. 2) Use different stock/sanding accessories, or accept that this will happen and plan on cleaning or replacing belts/discs frequently.
Burns on workpiece	<ol style="list-style-type: none"> 1) Use a sanding grit that is too fine. 2) Using too much pressure. 3) Work held still for too long. 4) Sanding disc/belt loaded with debris. 	<ol style="list-style-type: none"> 1) Use a coarser-grit sanding accessory. 2) Reduce sanding pressure on workpiece 3) Do not keep workpiece in one place for too long. 4) Clean or replace the disc or belt.
Sander does not turn on	<ol style="list-style-type: none"> 1) Not plugged in to an electrical outlet 2) Defective power switch 3) Motor or wiring problem 	<ol style="list-style-type: none"> 1) Connect the unit to an outlet. 2) Replace the switch. 3) Have a qualified technician make repairs.
Motor will not start—fuses or circuit breakers tripping/blowing	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1) Inspect cord or plug for damaged insulation and shorted wires. 2) Inspect all connections on motor for loose or shorted terminals and/or worn insulation. 3) Install correct fuses or circuit breakers or switch tool to an appropriately sized circuit.
Motor overheats	<ol style="list-style-type: none"> 1) Motor overloaded 2) Extension cord too long with an insufficient gauge. 	<ol style="list-style-type: none"> 1) Reduce load on motor (pressure on object being sanded) 2) Utilize an extension cord of appropriate gauge and length or plug tool directly into outlet.

EXPLODED VIEW AND PARTS LIST

No.	Part No.	Description	Qty.
1	6509-001	Set Screw	2
2	6509-002	Collar	2
3	6509-003	Rubber Bushing	2
4	6509-004	Retaining Ring	2
5	6509-005	Ball Bearing	2
6	6509-006	Hex Nut	1
7	6509-007	Passive Roller Shaft	1
8	6509-008	Passive Roller	1
9	6509-009	Stud	1
10	6509-010	Tracking Adjustment Nut	1
11	6509-011	Passive Roller Bracket	1
12	6509-012	Spring	1
13	6509-013	Belt Support	1
14	6509-014	Quick Release Lever	1
15	6509-015	Hex Head Bolt	1
16	6509-016	Sanding Belt	1
17	6509-017	Set screw	1
18	6509-018	Bumper	1
19	6508-019	Rod	1
23	6508-023	Pivot Bracket	1
24	6509-024	Set Screw	4
25	6509-025	Angle Indicator	1
26	6509-026	Pan Head Screw	1
27	6508-027	Lock Handle	1
28	6509-028	Spring Pin	1
29	6509-029	Pivot Limiting Plate	1
30	6509-030	Flat Washer	3
31	6509-031	Lock Washer	3
32	6509-032	Socket Pan Head Screw	3
33	6509-033	Lock Washer	4
34	6509-034	Socket Head Bolt	4
35	6509-035	Drive Roller	1
36	6509-036	Set Screw	2
37	6509-037	Belt Dust Port	1
38	6509-038	Flat Washer	2
39	6509-039	Pan Head Screw	2
41	6508-041	Belt Work Table	1
42	6509-042	Spring Pin	2
43	6509-043	Angle Guide Plate	1
46	6508-046	Lock Handle	1
47	6509-047	Flat Washer	1
48	6509-048	Capacitor Cover	1
49	6509-049	Pan Head Screw	1

No.	Part No.	Description	Qty.
50	6509-050	Capacitor	1
51	6509-051	Motor Assembly	1
52	6509-052	Key	1
53	6509-053	Disc Guard	1
54	6509-054	Flat Washer	3
55	6509-055	Lock Washer	3
56	6509-056	Socket Pan Head Screw	3
57	6509-057	Set Screw	1
58	6509-058	Aluminum Disc	1
59	6509-059	Abrasive Disc	1
60	6509-060	Disc Dust Post	1
61	6509-061	Flat Washer	2
62	6509-062	Pan Head Screw	2
63	6509-063	Flat Head Screw	4
64	6509-064	Lock Handle	2
65	6509-065	Flat Washer	2
66	6509-066	Right Table Bracket	1
67	6509-067	Disc Table	1
68	6509-068	Left Table Bracket	1
69	6509-069	Miter Gauge	1
70	6509-070	Power Cord	1
71	6509-071	Strain Relief	1
72	6509-072	Pan Head Screw	2
73	6509-073	Strain Relief Plate	1
74	6509-074	Flat Washer	4
75	6509-075	Lock Washer	4
76	6509-076	Hex Nut	4
77	6508-077	Base	1
78	6509-078	Serrated Washer	1
79	6509-079	Pan Head Screw	1
80	6509-080	Pan Head Screw	4
81	6509-081	Base Cover	1
82	6509-082	Switch Plate	1
83	6509-083	Switch	1
84	6509-084	Pan Head Screw	2
85	6509-085	Foot	4
86	6509-086	Leg	4
87	6509-087	Brace	4
88	6509-088	Top Frame	4
89	6509-089	Carriage Bolt	24
90	6509-090	Hex Nut	24
91	6509-091	Hex Head Bolt	4
92	6509-092	Flat Washer	8
93	6509-093	Hex Nut	4

EXPLODED VIEW AND PARTS LIST



LIMITED TWO YEAR WARRANTY

WEN Products is committed to building tools that are dependable for years. Our warranties are consistent with this commitment and our dedication to quality.

LIMITED WARRANTY OF WEN CONSUMER POWER TOOLS PRODUCTS FOR HOME USE

GREAT LAKES TECHNOLOGIES, LLC (“Seller”) warrants to the original purchaser only, that all WEN consumer power tools will be free from defects in material or workmanship for a period of two (2) years from date of purchase. Ninety days for all WEN products, if the tool is used for professional use.

SELLER’S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY under this Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or misrepaired by persons other than Seller or Authorized Service Center. To make a claim under this Limited Warranty, you must make sure to keep a copy of your proof of purchase that clearly defines the Date of Purchase (month and year) and the Place of Purchase. Place of purchase must be a direct vendor of Great Lakes Technologies, LLC. Third party vendors such as garage sales, pawn shops, resale shops, or any other secondhand merchant void the warranty included with this product. Contact techsupport@wenproducts.com or 1-800-232-1195 to make arrangements for repairs and transportation.

When returning a product for warranty service, the shipping charges must be prepaid by the purchaser. The product must be shipped in its original container (or an equivalent), properly packed to withstand the hazards of shipment. The product must be fully insured with a copy of the warranty card and/or the proof of purchase enclosed. There must also be a description of the problem in order to help our repairs department diagnose and fix the issue. Repairs will be made and the product will be returned and shipped back to the purchaser at no charge.

THIS LIMITED WARRANTY DOES NOT APPLY TO ACCESSORY ITEMS THAT WEAR OUT FROM REGULAR USAGE OVER TIME INCLUDING BELTS, BRUSHES, BLADES, ETC.

ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO TWO (2) YEARS FROM DATE OF PURCHASE. SOME STATES IN THE U.S., SOME CANADIAN PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LIABILITY FOR LOSS OF PROFITS) ARISING FROM THE SALE OR USE OF THIS PRODUCT. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE IN THE U.S., PROVINCE TO PROVINCE IN CANADA AND FROM COUNTRY TO COUNTRY.

THIS LIMITED WARRANTY APPLIES ONLY TO PORTABLE ELECTRIC TOOLS, BENCH POWER TOOLS, OUTDOOR POWER EQUIPMENT AND PNEUMATIC TOOLS SOLD WITHIN THE UNITED STATES OF AMERICA, CANADA AND THE COMMONWEALTH OF PUERTO RICO. FOR WARRANTY COVERAGE WITHIN OTHER COUNTRIES, CONTACT THE WEN CUSTOMER SUPPORT LINE.