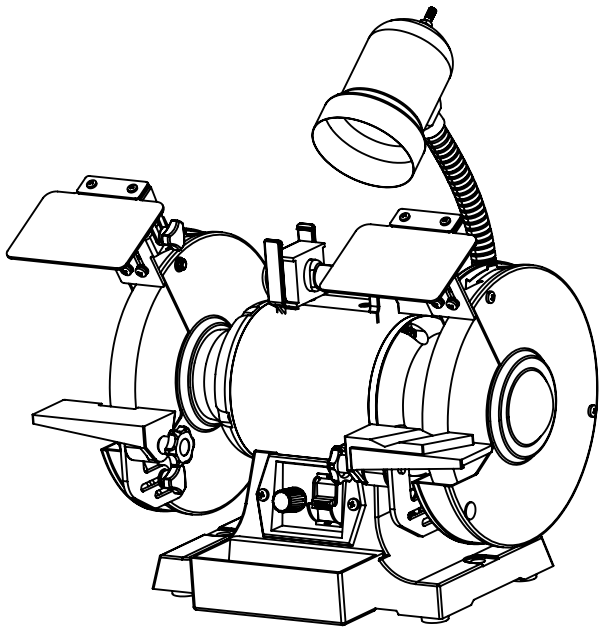
8-INCH VARIABLE SPEED BENCH GRINDER



Model # 4280
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 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

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TECHNICAL DATA

Model Number:	4280
Motor:	120V, 60 Hz, 5A
Wheel Speed:	2000 to 3400 RPM
Grinding Wheel Size:	8 inches x 1 inch
Arbor Size:	5/8 inch
Wheel Grits:	#36 and #80
Net Weight:	41 pounds
Product Dimensions:	17 x 18.1 x 13 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 BENCH GRINDER

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

1. USE GRINDING WHEELS suitable for the speeds of the grinder.

2. STAND BESIDE the bench grinder during start-up, not directly in front.

3. DO NOT REMOVE THE WHEEL GUARD. Always use the guards, spark deflectors and eye shields.

4. DO NOT USE THE GRINDING WHEEL TO CUT ANYTHING.

5. DO NOT APPLY EXCESS STRESS TO THE GRINDING WHEEL.

6. USE A GRINDING WHEEL DRESSING TOOL to shape or remove glaze from grinding wheels.

7. KEEP THE DISTANCE between the wheel and tool rest at most a 1/8-inch (3.2 mm) space. Adjust accordingly as the wheel grinds down to a smaller diameter.

8. CONNECT TO A SUPPLY CIRCUIT protected by a circuit breaker or time-delay fuse.

9. SECURE THE BENCH GRINDER to its supporting surface to prevent the grinder from tipping over, sliding, or walking on its supporting surface. Do not overtighten the wheel nut. Use only flanges furnished with this grinder.

10. ALWAYS INSPECT GRINDING WHEELS prior to use for cracks, missing pieces, etc. Replace wheel immediately before use if imperfections are present.

SPECIFIC RULES FOR THE BENCH GRINDER

11. USE ONLY GRINDING WHEELS that comply with ANSI B7.1 and are rated greater than 3550 RPM.

12. GUARD AGAINST ELECTRICAL SHOCK by preventing body contact with grounded surfaces. For example: pipes, radiators, ranges, refrigerator enclosures.

13. DO NOT use wheels with incorrect size holes. NEVER use wheel washers or wheel screws that are defective or incorrect, and NEVER touch a grinding wheel or other moving parts.

14. NEVER reach to pick up a workpiece, a piece of scrap, or anything else that is in or near the grinding path of the wheel.

15. AVOID AWKWARD OPERATIONS AND HAND POSITIONS where a sudden slip could cause your hand to move into the wheel. ALWAYS make sure you have good balance.

16. NEVER stand or have any part of your body in line with the path of the wheel.

17. DO NOT USE TOOL IF SWITCH DOES NOT TURN IT ON AND OFF. Have defective switches replaced by an authorized service center.

18. DO NOT TURN THE MOTOR SWITCH ON AND OFF RAPIDLY. This could cause the wheel to loosen and create a hazard. Should this ever occur, stand clear and allow the wheel to come to a complete stop. Disconnect your grinder from the power supply and retighten the wheel nut securely.

19. RISK OF INJURY DUE TO ACCIDENTAL STARTING. Do not use in an area where children may be present.

20. NEVER START THE GRINDER when the wheel is in contact with the workpiece.

21. SECURE WORK. Always hold the workpiece firmly against the work rest.

22. DO NOT USE THE BENCH GRINDER if the flange nut or clamp nut is missing or if the spindle shaft is bent.

23. FREQUENTLY clean grinding dust from beneath the grinder.

24. ALWAYS EASE THE WORKPIECE AGAINST THE ABRASIVE WHEEL when starting to grind. A harsh impact can break the wheel. Use light pressure when starting to grind. Too much pressure on a cold wheel can cause the wheel to crack.

25. USE ONLY FLANGES furnished with this bench grinder.

26. IF ANY PART OF THIS GRINDER IS MISSING, broken, bent, or damaged in any way, or if any electrical component fails to perform properly, shut off the power switch, remove the machine plug from the power source and have the damaged, missing, or failed parts replaced before operation.

27. LAWN MOWER BLADES are usually sharpened on only one edge and dressed up slightly on the other. Perform this sharpening process on both cutting ends of the blade. After sharpening, balance the blade by removing additional material.

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.

EXTENSION CORD GUIDELINES

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.

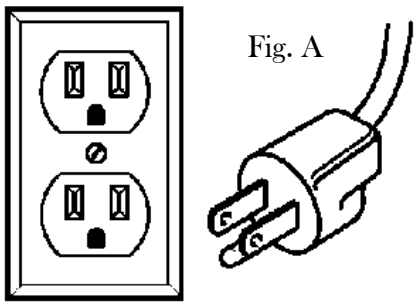


Fig. A

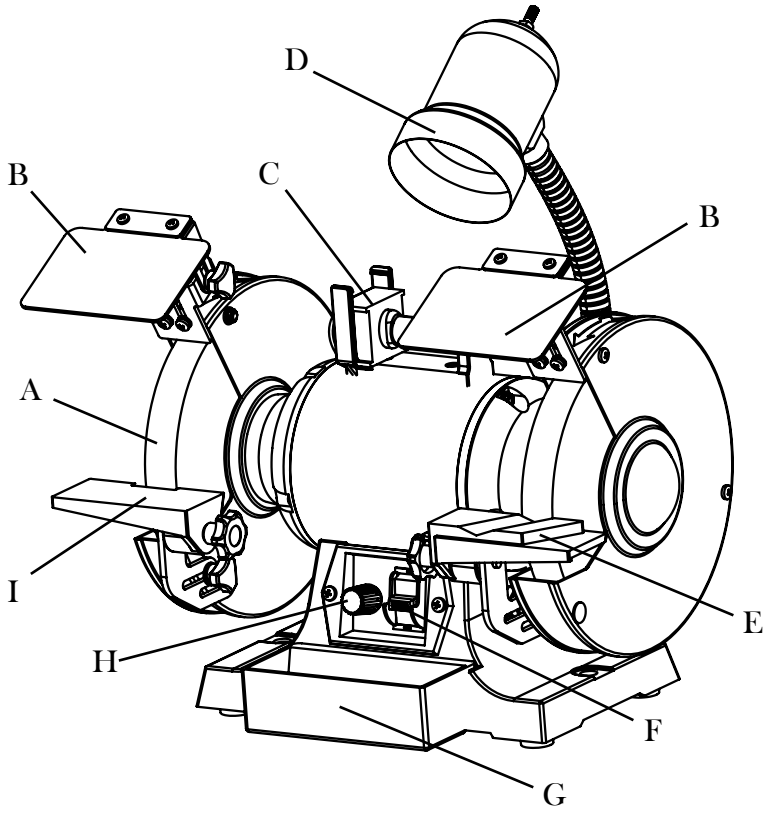
WARNING: This tool must be grounded while in use to protect the operator from electric shock.

AMPERAGE	REQUIRED GAUGE FOR EXTENSION CORDS			
	25 ft.	50 ft.	100 ft.	150 ft.
5 A	18 gauge	16 gauge	16 gauge	14 gauge

KNOW YOUR SHARPENER

KNOW YOUR GRINDER

A - Grinding Wheel
B - Eye Shield
C - Wheel Dresser
D - Work Lamp
E - Drill Bit Sharpening Rest
F - Power Switch
G - Quenching Pot
H - Variable Speed Knob
I - Regular Tool Rest

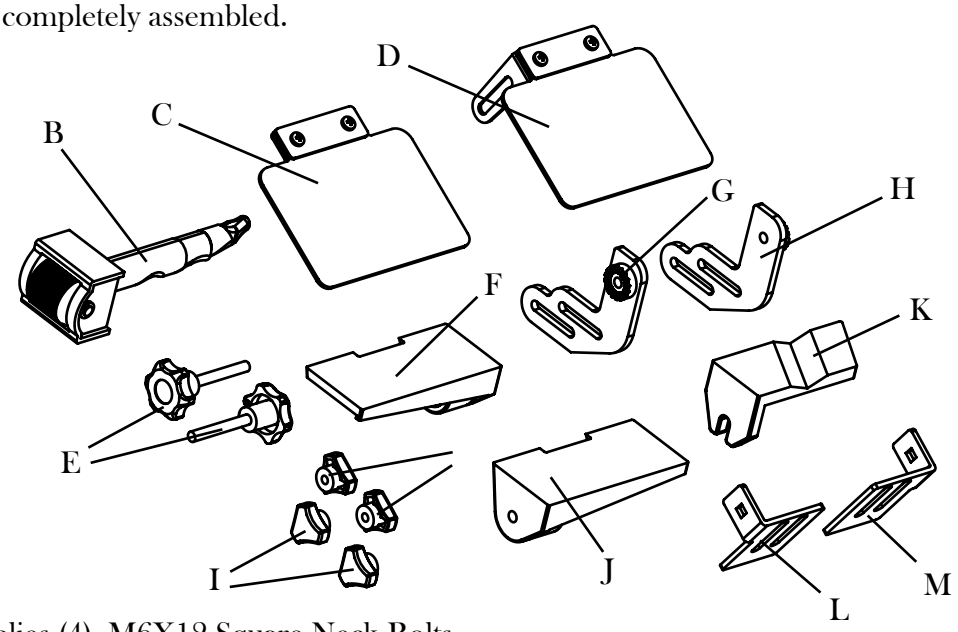


UNPACKING

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 sharpener and all its parts, and compare against the list below. Do not discard the carton or any packaging until the sharpener is completely assembled.

A - Grinder (not pictured)
B - Wheel Dresser
C - Left Eye Guard
D - Right Eye Guard
E - Tool Rest Support Lock Knobs
F - Left Tool Rest
G - Left Tool Rest Support
H - Right Tool Rest Support
I - Eye Shield Knobs
J - Right Tool Rest
K - Drill Bit Sharpening Rest
L - Right Spark Arrestor
M - Left Spark Arrestor



Not pictured: M5X10 Screw Assemblies (4), M6X12 Square Neck Bolts (2), D6 Flat Washers (4), Wire Wheel Spacer (1).

ASSEMBLY

TOOL RESTS

Two different tool rests are included with this bench grinder. To install these tool rests:

1. Attach the tool rest support (Fig. A - 1) to the inside surface of the wheel cover using a flat washer (Fig. A - 2) and a hex head screw (Fig. A - 3).

2. Attach the tool rest (Fig. A - 4) to the tool rest support (Fig A - 1) using a flat washer (Fig. A - 5) and an adjustment knob (Fig. A - 6).

3. Adjust each tool rest until its inside edge is 1/16 of an inch from the grinding wheel. Tighten the hex head screws holding the supports in place.

4. If you are wanting to sharpen drill bits, there is also a drill bit sharpening plate included in this package. Attach it to the tool rest support in the same way as you would the regular tool rests. The divot running diagonally down the center of the tool rests allows for easy sharpening of the tips of bits. Only use this plate for sharpening drill bits.

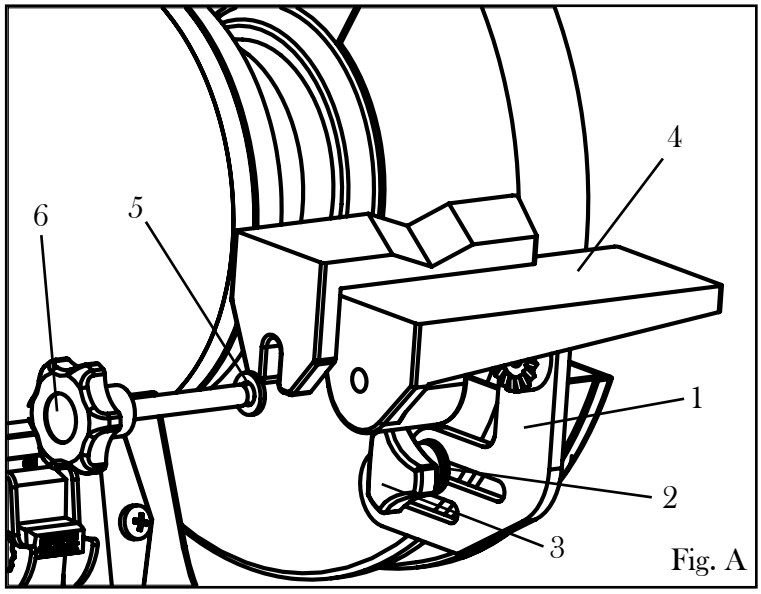


Fig. A

SPARK ARRESTORS AND EYE SHIELDS

1. Attach the spark arrestors (Fig. B - 1) to the inside surface of the wheel covers using two screws and washers (Fig. B - 2).

2. Position said spark arrestors so that the lower edge is 1/16 of an inch from the grinding wheel. Firmly tighten the hex head screws.

3. Attach the eye shields (Fig. B - 3) to the spark arrestor by inserting a carriage head screw (Fig. B - 4) through the eye shield and the spark arrestor.

4. Position the eye shield into its desired position. Assemble the flat washer (Fig. B - 5) and lock knob (Fig. B - 6) to the carriage head screw and tighten until the eye shield no longer moves.

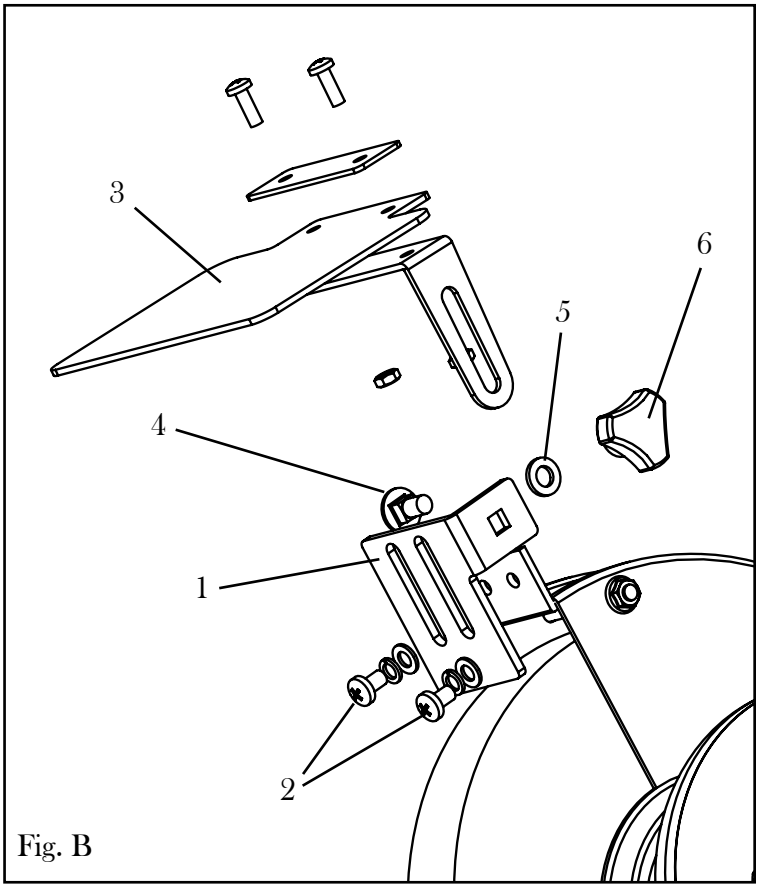


Fig. B

ASSEMBLY

WORKLIGHT

The bench grinder provided has a flexible work light to maximize visibility during operation. A light bulb for the flexible work light is not included. Use a 120 Volt, 40 watt or less track light bult (type R20, medium base) for the onboard lamp. Make sure the bulb does not protrude past the rim of the light's housing.

The flexible work light can be positioned in whatever direction you choose. Using the switch located on the top of the housing will turn the light on and off.

WARNING: The light's housing will remain hot for a few minutes after operation. Make sure to not touch either the bulb or the housing during or directly after use.

PERMANENT MOUNTING

Firmly attach the grinder to a reliable work surface using the mounting pads and the included holes along the base of the grinder (mounting hardware not included). This will prevent the possibility of vibration, walking or tipping during operation.

WARNING: Do not operate this machine without first attaching the base to a reliable surface.

OPERATION

1. Turn the variable speed knob to its lowest setting before turning on the bench grinder.

2. To operate the bench grinder, always wear safety glasses and turn the tool on while standing to the side of the grinder (as opposed to in front). Allow it to reach full speed before grinding.

3. Once the grinder is up and running, set the grinder to your desired speed. The lowest speed setting should be used for light grinding, sharpening, and paint/rust removal. The highest speed should be used for deburring, material removal and other heavier grinding tasks.

4. Hold the work piece firmly against the tool rest. Hold very small pieces with pliers or other suitable clamps.

5. Feed the work piece smoothly and evenly into the grinding wheel. Move it back and forth as to not burn any one area of the surface and also to make for even grinding.

6. Move the work piece slowly and avoid jamming the work piece against the wheel. If the wheel tends to slow down from excessive force, you should occasionally release the pressure to let the wheel return to full speed.

7. Grind only on the face of the grinding wheel; never the side of it

8. Place the hot end of the workpiece into the quenching tray to cool it off if you so choose.

9. Once grinding operations are complete, return the variable speed knob to its lowest setting. Once the wheels have reached their new low speed, turn the bench grinder off and unplug it. Avoid contact with the bench grinder's housing until it has cooled down completely.

OPERATION

SHARPENING GUIDE:

SCISSORS
If possible, take the scissors apart to make the sharpening operation easier and safer. Remove material only from the outside surface and work from the heavy end of the blade toward the tip.

KNIVES
Remove metal from both faces of most knives, working from the heavy end of the blade toward the tip.

SCREWDRIVERS
The end of a properly sharpened screwdriver will be a perfectly flat rectangle, perpendicular to the center line of the shank. The two sides and two faces will taper outward from the edge of the shoulder or shank. They should be flat with perpendicular intersecting faces. Hold each face of the screwdriver against the wheel to true it up, then ease the end straight into the stone to grind it true.

LAWN MOWER BLADES
Lawn mower blades are usually sharpened on only one side and dressed up slightly on the other. After sharpening, be sure to balance the blade by removing additional material from the heavy end. There are a number of inexpensive cone balancers on the market for this purpose. Unbalanced blades can cause serious crank shaft damage to your lawn mower. Always remove spark plug wires or battery from the mower before servicing the blades to prevent accidental startups.

DRILL BITS
Use the drill bit tool rest to provide angled support to drill bits during grinding operation. The angled divot running through the rest allows for a cradle for drill bits during sharpening operations.

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 sharpener.

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 sharpener's operation. If any of these conditions exist, do not use until parts are replaced or the sharpener is properly repaired. Frequently blow or vacuum dust from all surfaces and the 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 only.

1. Regularly check the tool and use a soft brush to remove accumulated dust. Wear safety goggles to protect your eyes while cleaning.

2. If the body of the grinder needs cleaning, wipe it down with a soft, damp cloth. A mild detergent can be used. Do not use alcohol, petrol or other similar cleaning agents. Do not make contact with the grinding wheels with any damp cloth.

3. Always make sure the eye shields are transparent and not blocking the view of the grinding wheel.

4. In normal use, grinding wheels may become cracked, grooved, rounded at the edges, chipped, out of true or loaded with foreign material. Cracked wheels should be replaced IMMEDIATELY. While any of the other conditions can be remedied with a dressing tool (included), new wheels sometimes require dressing to make them round.

5. If you must replace a wheel be sure to obtain one with a safe rated speed at least as high as the "NO LOAD" RPM marked on your grinder's nameplate. Test new wheels for cracks and maintain the existing sequence of retaining hardware. Be sure the tool is unplugged before attempting repairs.

6. This unit has sealed lubrication within the bearings in the motor housing. No additional lubrication is required.

CHANGING THE GRINDING WHEELS

Grinding wheels should be inspected before each use. Store the grinding wheels to prevent them from the potential hazards of moisture, containments and other damage.

To replace a grinding wheel:
1. Disconnect the grinder from the power supply.

2. Rotate the eye shield out of the way in order to access the tool rest.

3. Loosen the tool rest knob and position the tool rest away from the grinding wheel.

4. Remove the three screws (Fig. C - 1) found around the outside of the wheel guard in order to remove the wheel cover.

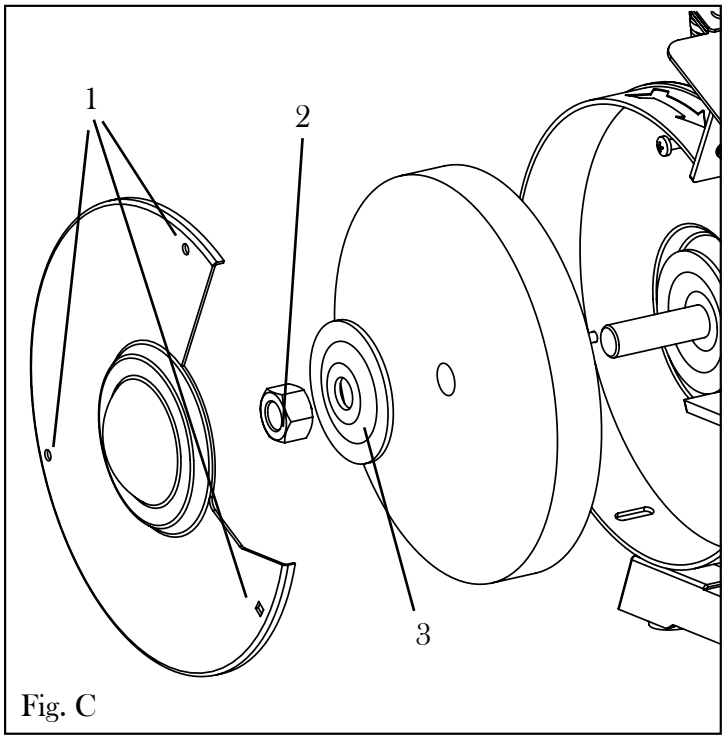


Fig. C

5. Using two wrenches, remove the arbor hex nut (Fig. C - 2) found on the outside edge of the grinding wheel.

NOTE: The left side hex nut is loosened by using a clockwise wrench rotation while the right side hex nut is loosened with a counterclockwise rotation.

6. Remove the outer wheel flange (Fig. C - 3) and set it to the side. Now you can freely remove the old grinding wheel.

7. Replace the abrasive wheel with a new grinding wheel rated to safely operate at a higher RPM than the max speed of the grinder (over 3400 RPM). Make sure both the outer diameter and the arbor size of the replacement wheel adequately meet the standards of this grinder. Do not remove labels from the grinding wheels.

8. Once the wheel has been replaced, reattach the outer flange and the arbor hex nut. Do not overtighten any flanges or nuts, as this can dig into the abrasive wheel, creating a risk of injury.

9. Replace the wheel cover, the knobs, the tool rest and the eye shield. Make sure all guards, shields and tool rests are correctly positioned before operation.

MAINTENANCE

USING A WIRE OR BUFFING WHEEL

A wire or buffing wheel can be installed onto either side of the grinder as needed. More spacers are required for these types of grinding wheels, depending on the wheel's thickness.

NOTE: The first spacer should always go onto the arbor shaft, between the innermost wheel flange and the body of the grinder. If needed, a second spacer should go between the outermost wheel flange and the arbor hex nut. Always use the included wheel flanges even if using a wire or a buffing wheel.

QUENCHING TRAY

Periodically empty out the quenching tray. Rinse it of any metal filaments and refill it with clean water to prevent buildup on the wheel itself. Your cleaning schedule should depend on frequency of use.

TROUBLESHOOTING

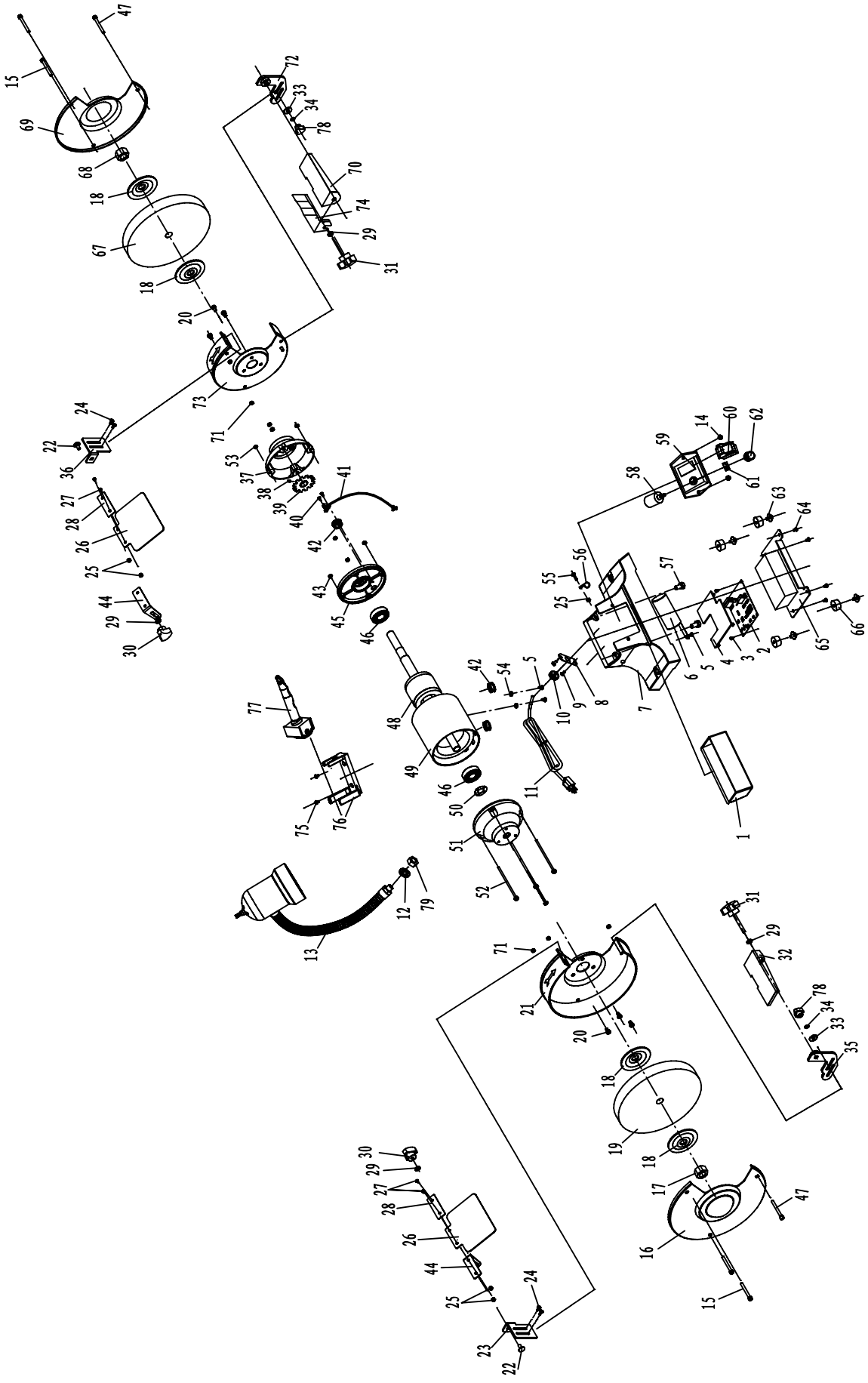
PROBLEM	CAUSE	SOLUTION
The motor won't start.	1) Low voltage 2) Loose connections or open circuit in the motor. 3) Blown fuse/breaker.	1) Make sure the power source is providing the proper voltage. 2) Inspect the motor for loose or open connections. Send for servicing if found. 3) Replace the fuse or reset the breaker
The motor is getting way too hot.	1) Overloaded motor 2) Extension cord too long or not thick enough.	1) Reduce load on the motor. 2) Utilize an extension cord with an appropriate gauge and length (or plug the tool directly into the outlet if possible).
The motor stalls, causing a blown fuse or tripped circuit.	1) Loose connections or short circuit in the motor. 2) Low voltage. 3) Incorrect fuses or circuit breakers in the power line. 4) Overloaded motor.	1) Check the connections on the motor for loose or shorted terminals/worn insulation. Send for servicing if found. 2) Fix voltage supply; possibly an issue with the extension cord or possibly the power source. 3) Install the correct fuses or circuit breakers. Plug tool into an appropriate circuit, matched with an appropriate fuse/breaker. 4) Reduce the load.
Stropping wheel performance decreases	1) Insufficient wheel preparation (lack of oil and paste) 2) Damaged wheel	1) Prepare the wheel 2) Change out the wheel
Wavy condition on the surface of a workpiece	1) Machine is vibrating 2) Workpiece isn't held in place firmly 3) Wheel face uneven	1) Make sure the machine is securely positioned on a level surface. 2) Use a holding device to firmly retain the workpiece. 3) Dress the grinding wheel.
Machine runs too loud during operation.	Lack of lubricating grease	Add lubricating grease to the gear.

EXPLODED VIEW AND PARTS LIST

No.	Part Number	Description	Qty.
1	4280-001	Coolant Tray	1
2	4280-002	Circuit Board	1
3	4280-003	Screw (ST2.9x5)	2
4	4280-004	Circuit Board Cover	1
5	4280-005	Screw Assembly (M4X8)	3
6	4280-006	Capacitor	1
7	4280-007	Base	1
8	4280-008	Cord Plate	1
9	4280-009	Screw (M5x8)	2
10	4280-010	Cord Clip	1
11	4280-011	Power Cord	1
12	4280-012	Washer (D12)	1
13	4280-013	Light Subassembly	1
14	4280-014	Screw (M5x8)	2
15	4280-015	Screw (M5X48)	4
16	4280-016	Left Wheel Guard Cover	1
17	4280-017	Left Hex Nut (M16)	1
18	4280-018	Flange	4
19	4280-019	Left Grinding Wheel (#36)	1
20	4280-020	Screw Assembly (M5X10)	6
21	4280-021	Left Wheel Guard	1
22	4280-022	Bolt (M6x12)	2
23	4280-023	Left Shield Bracket	1
24	4280-024	Screw Assembly (M5X10)	4
25	4280-025	Nut (M4)	5
26	4280-026	Eye Shield	2
27	4280-027	Screw (M4X12)	4
28	4280-028	Eyeshield pressure plate	2
29	4280-029	Washer (D6)	2
30	4280-030	Locking Nut (M6)	2
31	4280-031	Locking Knob (M6X17)	2
32	4280-032	Left Work Rest	1
33	4280-033	Washer (D5)	2
34	4280-034	Spring Washer (D5)	2
35	4280-035	Left Work Rest Bracket	1
36	4280-036	Right Shield Bracket	1
37	4280-037	Right End Bell	1
38	4280-038	Hex Bolt (M5x6)	1
39	4280-039	Bushing	1
40	4280-040	Screw (M2.5X6)	2

No.	Part Number	Description	Qty.
41	4280-041	Sensor	1
42	4280-042	Bushing	3
43	4280-043	Nut (M5)	4
44	4280-044	Left Eye Shield Bracket	2
45	4280-045	Cover	1
46	4280-046	Bearing (6204)	2
47	4280-047	Square Neck Bolt (M5X51)	2
48	4280-048	Rotor	1
49	4280-049	Stator	1
50	4280-050	Spring Lock Washer	1
51	4280-051	Left End Bell	1
52	4280-052	Screw Assembly (M5X160)	4
53	4280-053	Nut (M5)	4
54	4280-054	Locking Washer (D4)	2
55	4280-055	Screw (M4x16)	1
56	4280-056	Knob ((3/16)')	1
57	4280-057	Hex Bolt Assembly (M8x22)	2
58	4280-058	Potentiometer	1
59	4280-059	Switch Plate	1
60	4280-060	Switch	1
61	4280-061	Washer	1
62	4280-062	Speed Adjustment Knob	1
63	4280-063	Screw Assembly (M5X16)	4
64	4280-064	Screw Assembly (M4X6)	4
65	4280-065	Base Plate	1
66	4280-066	Rubber Feet	4
67	4280-067	Right White Grinding Wheel (#80)	1
68	4280-068	Hex Nut (M16)	1
69	4280-069	Right Wheel Guard Cover	1
70	4280-070	Right Work Rest	1
71	4280-071	Hex Nut (M5)	4
72	4280-072	Right Work Rest Bracket	1
73	4280-073	Right Wheel Guard	1
74	4280-074	Angled Right Work Rest	1
75	4280-075	Screw (M4X8)	2
76	4280-076	Wheel Dresser Mount	1
77	4280-077	Wheel Dresser	1
78	4280-078	Locking Nut (M5)	2
79	4280-079	Hex Nut (M12)	1

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.

Thanks for remembering