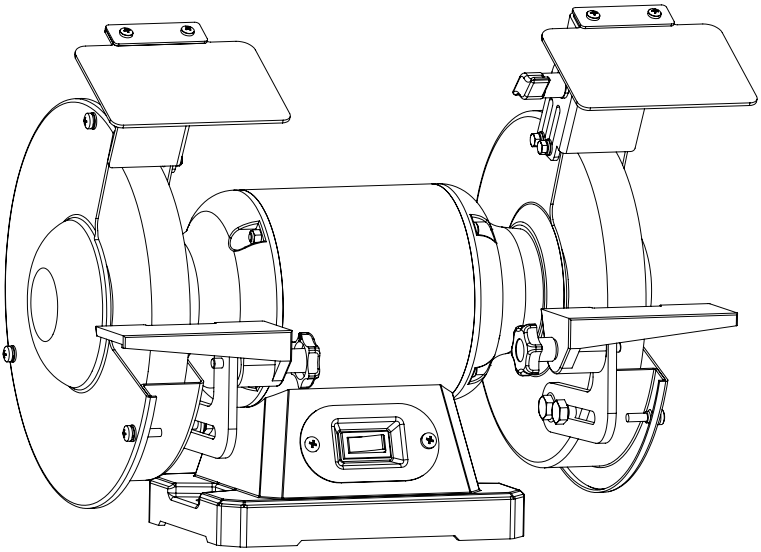
Bucktool

GET IT DONE !

8INCH BENCH GRINDER



BUCKTOOLS

Instagram

Contact Us:

email: service@bucktool.com

https://www.bucktool.com

909-255-1088 (8AM-5PM PST)

C SA® US

226002

IMPORTANT:

For your own safety, read and follow all of the Safety Guidelines and Operating Instructions before operating this product.

INSTRUCTION MANUAL

TABLE OF CONTENTS

TABLE OF CONTENTS

SPECIFICATIONS

Motor	**120VAC, 60Hz , 4.8A**
Speed	**3600RPM**
Shaft Diameter	**5/8"**
Wheel Size	**8" x 1" x 5/8"**
Wheel Grit	**36# / 60#**

⚠ WARNING

To avoid electrical hazards, fire hazards or damage to the tool, use proper circuit protection. Use a separate electrical circuit for your tools. The grinder is wired at the factory for 120 Volt operation. It must be connected to a 120 V, 10 AMP branch circuit and use a 10 AMP time delay fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.

SAFETY GUIDELINES - DEFINITIONS

Your power tool and its Instruction Manual may contain “WARNING ICONS” (a picture symbol intended to alert you to and/or instruct you how to avoid a potentially hazardous condition). Understanding and heeding these symbols will help you operate your tool better and safer. Shown below are some of the symbols you may see.

SAFETY ALERT: Precautions that involve your safety.

PROHIBITION

WEAR EYE PROTECTION: Always wear safety goggles or safety glasses with side shields.

WEAR RESPIRATORY AND HEARING PROTECTION:
Always wear respiratory and hearing protection.

READ AND UNDERSTAND INSTRUCTION MANUAL:
To reduce the risk of injury, user and all bystanders must read and understand instruction manual before using this product.

KEEP HANDS AWAY FROM THE MOVING PART AND CUTTING SURFACE:
Failure to keep your hands away from the moving part and cutting surface will result in serious personal injury.

⚠ DANGER

DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTICE: Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

⚠ 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 and other masonry products;
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water. Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.

⚠ WARNING

Use of this tool can generate and/or disperse dust, which may cause serious and permanent respiratory or other injury. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.

POWER TOOL SAFETY

GENERAL SAFETY INSTRUCTIONS BEFORE USING THIS POWER TOOL Safety is a combination of common sense, staying alert and knowing how to use your power tool.

⚠ WARNING

• To avoid mistakes that could cause serious injury, do not plug the tool in until you have read and understood the following.

● Read all instructions before operating product. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

1. **READ and become familiar with the entire Instruction Manual. LEARN the tool's application, limitations and possible hazards.**
2. KEEP GUARDS IN PLACE and in working order.
3. REMOVE ADJUSTING KEYS AND WRENCHES. Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning ON.

4. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
5. DO NOT USE IN DANGEROUS ENVIRONMENTS. Do not use power tools in damp locations, or expose them to rain or snow. Keep work area well lit.
6. KEEP CHILDREN AWAY. All visitors and bystanders should be kept a safe distance from work area.
7. MAKE WORKSHOP CHILD PROOF with padlocks, master switches or by removing starter keys.
8. DO NOT FORCE THE TOOL. It will do the job better and safer at the rate for which it was designed.
9. USE THE RIGHT TOOL. Do not force the tool or an attachment to do a job for which it was not designed.
10. USE PROPER 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 result in a drop in line voltage and in loss of power which will cause the tool to overheat. The table on page 9 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.
11. 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.
12.  ALWAYS WEAR EYE PROTECTION. Any power tool can throw foreign objects into the eyes and could cause permanent eye damage. ALWAYS wear Safety Goggles (not glasses) that comply with ANSI Safety standard Z87.1. Everyday eyeglasses have only impact–resistant lenses.They ARE NOT safety glasses.

    NOTE: Glasses or goggles not in compliance with ANSI Z87.1 could seriously injure you when they break.
13.  WEAR A FACE MASK OR DUST MASK. Sawing operation produces dust.
14.  SECURE WORK. Use clamps or a vise to hold work when practical. It is safer than using your hand and it frees both hands to operate the tool.
15. DISCONNECT TOOLS FROM POWER SOURCE before servicing, and when changing accessories such as blades, bits and cutters.
16. REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure switch is in the OFF position before plugging the tool in.

17. USE RECOMMENDED ACCESSORIES. Consult this Instruction Manual for recommended accessories. The use of improper accessories may cause risk of injury to yourself or others.
18. NEVER STAND ON THE TOOL. Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
19. CHECK FOR 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. NEVER LEAVE THE TOOL RUNNING UNATTENDED. TURN THE POWER "OFF". Do not walk away from a running tool until the blade comes to a complete stop and the tool is unplugged from the power source.
21. DO NOT OVERREACH. Keep proper footing and balance at all times.
22. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
23. DO NOT use power tool in presence of flammable liquids or gases.
24. DO NOT operate the tool if you are under the influence of any drugs, alcohol or medicationn that could affect your ability to use the tool properly.
25. Dust generated from certain materials can be hazardous to your health. Always operate saw in well-ventilated area and provide for proper dust removal.
26. **⚠ WARNING** People with electronic devices, such as pacemakers, should consult their physician(s) before using this product. Operation of electrical equipment in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.
27.  WEAR HEARING PROTECTION to reduce the risk of induced hearing loss.

WARNING:
Cancer and Reproductive Harm www.P65Warnings.ca.gov.

BENCH GRINDER SAFETY

1.  Wear eye protection that complies with ANSI Z87.1 specifications.
2. Use grinding wheels suitable for the speeds of the grinder.
3. Stand beside the bench grinder during start-up, not facing directly in front.
4. Do not remove the wheel guard.
5. Do not use the grinding wheel to cut anything.
6. Do not use anything to stress the grinding wheel.
7. Use a grinding wheel dressing tool to shape or remove glaze from grinding wheels.
8. Adjust distance between wheel and tool rest to maintain 1/8 inch (3.2 mm) or less separation as the diameter of the wheel decreases with use.
9. Connect to a supply circuit protected by a circuit breaker or time-delay fuse.
10. Secure the bench grinder to its supporting surface to prevent the grinder from tipping over, sliding, or walking on its supporting surface.
    A. Replace a cracked wheel immediately.
    B. Always use the guards and eye shields.
    C. Do not overtighten the wheel nut.
    D. Use only flanges furnished with this grinder.
11. Always inspect grinding wheels prior to use for cracks, missing pieces, etc. Replace wheel immediately before use.
12. USE ONLY GRINDING WHEELS that comply with ANSI B7.1 and rated greater than 3450 RPM.
13. GUARD AGAINST ELECTRICAL SHOCK by preventing body contact with grounded surfaces. For example: pipes, radiators, ranges, refrigerator enclosures.
14. **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.
15. **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.
16. **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.
17. **NEVER** stand or have any part of your body in line with the path of the wheel.
18. **DO NOT USE TOOL IF SWITCH DOES NOT TURN IT ON AND OFF.** Have defective switches replaced by an authorized service center.

19. **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.
20. **RISK OF INJURY DUE TO ACCIDENTAL STARTING.** Do not use in an area where children may be present.
21. **NEVER START THE GRINDER** when the wheel is in contact with the workpiece.
22. **SECURE WORK.** Always hold the workpiece firmly against the work rest.
23. **DO NOT USE THE BENCH GRINDER** if the flange nut or clamp nut is missing or if the spindle shaft is bent.
24. **FREQUENTLY** clean grinding dust from beneath the grinder.
25. **DO NOT OPERATE THIS TOOL WHILE UNDER THE INFLUENCE OF DRUGS, ALCOHOL OR ANY MEDICATION.**
26. **ALWAYS STAY ALERT.** Do not allow familiarity (gained from frequent use of your grinder) to cause a careless mistake. **ALWAYS REMEMBER** that a careless fraction of a second is sufficient to inflict severe injury.
27. **STAY ALERT AND EXERCISE CONTROL**. Watch what you are doing and use common sense. Do not operate the tool when you are tired. Do not rush.
28. **SAVE THESE INSTRUCTIONS.** Refer to them frequently and use them to instruct other users. If you loan someone this tool, loan them these instructions also.
29. **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.
30. **USE ONLY FLANGES** furnished with this bench grinder.
31. **IF ANY PART OF THIS GRINDER IS MISSING** or should break, bend, fail in any way, or should any electrical component fail to perform properly,shut off the power switch, remove the machine plug from the power surce and have damaged, missing, or failed parts replaced before resuming operation.
32. **SAFETY SHIELD AND SPARK DEFLECTOR.** The safety shields and spark deflectors are adjustable for operator convenience. Operating the grinder without these features attached could result in serious injury. Do not grind with the safety shield raised. Always wear safety glasses for personal protection.
33. **WORK REST.** The work rests are independently adjustable to compensate for wheel wear. Before grinding, make certain the work rests are adjusted properly. Generally, the object being ground is done slightly above the center

of the grinding wheel.

34. 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.

GROUNDING INSTRUCTIONS

⚠ WARNING

This tool must be grounded while in use to protect the operator from electrical shock.

IN THE EVENT OF A MALFUNCTION OR BREAKDOWN, grounding provides a path of least resistance for electric currents and reduces the risk of electric shock. This tool is equipped with an electrical cord that has an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching receptacle 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 receptacle, have the proper receptacle installed by a qualified electrician.

IMPROPER CONNECTION of the equipment grounding conductor can result in risk of electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment grounding conductor. If repair or replacement of the electrical cord or plug is necessary, do not connect the equipment grounding conductor to a live terminal.

CHECK with a qualified electrician or service person if you do not completely understand the grounding instructions, or if you are not certain the tool is properly grounded.

USE only 3-wire extension cords that have three-pronged grounding plugs with three-pole receptacles that accept the tool's plug. Repair or replace damaged or worn cords immediately.

Use a separate electrical circuit for your tool. This circuit must not be less than #18 wire and should be protected with a 10 Amp time lag 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.

GUIDELINES FOR EXTENSION CORDS USE THE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. Use an extension cord heavy the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power, overheating and burning out of the motor. The table below 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.

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 technician before using it. Protect your extension cords from sharp objects, excessive heat and damp or wet areas.

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.	

⚠ WARNING

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

This tool is intended for use on a circuit that has a receptacle like the one illustrated in Fig. 1. Fig. 1 shows a three-pronged electrical plug and receptacle that has a grounding conductor. If a properly grounded receptacle is not available, an adapter (Fig.2) can be used to temporarily connect this plug to a two-contact grounded receptacle. The adapter (Fig. 2) has a rigid lug extending from it that MUST be connected to a permanent earth ground, such as a properly grounded receptacle box.

⚠ CAUTION

In all cases, make certain the receptacle is properly grounded. If you are not sure, have a qualified electrician check the receptacle.

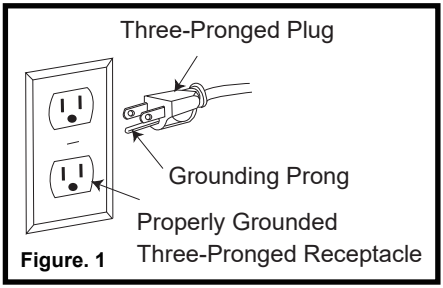


Figure. 1

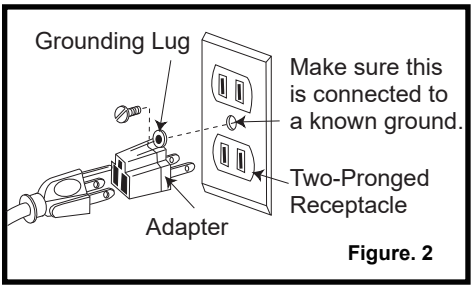
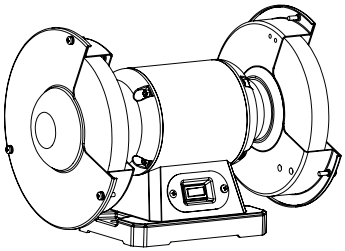
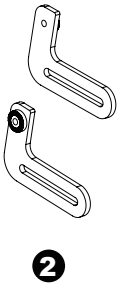


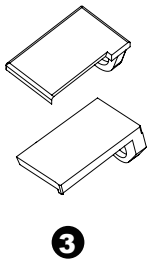
Figure. 2

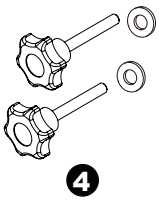
UNPACKING YOUR BENCH GRINDER

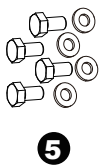
No.	Description	Qty.
1	Bench Grinder	1
2	Left / Right Tool Rest Bracket	1 each
3	Left / Right Tool Rest	1 each
4	Tool Rest Knob / Flat Washer	2
5	Hex Bolt / Flat Washer	4
6	Left / Right Eye Shield Assy	1 each
7	Left / Right Spark Deflector	1 each
8	Philip Screw Assy	4
9	Eyeshield Locking Knob / Flat Washer	2
10	Neck Bolt	2

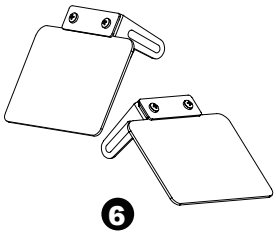


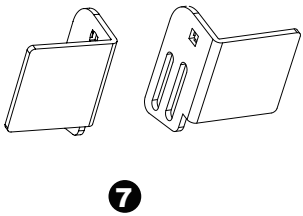


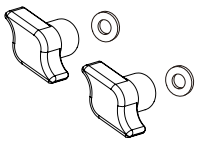






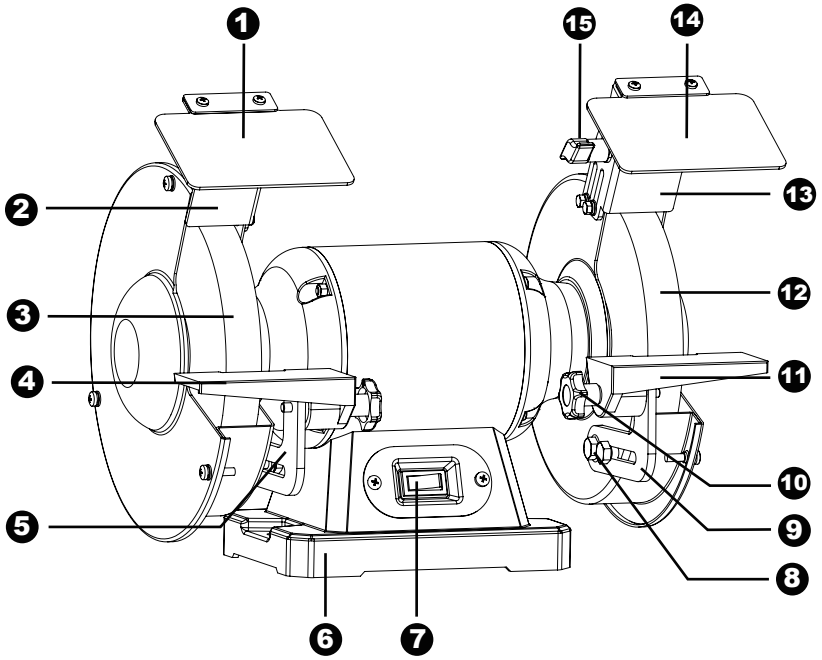






KEY PARTS DIAGRAN

No.	Description	Qty.
1	Left Eye Shield Assy	2
2	Left Spark Deflector	2
3	Grinding Wheel (36 Grit)	1
4	Left Tool Rest	2
5	Left Tool Rest Bracket	2
6	Base	1
7	Main Switch	1
8	Hex Bolt	2
9	Right Tool Rest Bracket	2
10	Tool Rest Locking Knob	1
11	Right Tool Rest	2
12	Grinding Wheel (60 Grit)	2
13	Right Spark Deflector	2
14	Right Eyeshied Assy	2
15	Eyeshield Locking Knob	2



ASSEMBLY AND ADJUSTMENTS

Estimated Assembly Time: 5 - 10 Minutes.

- **To avoid injury, do not connect this bench grinder to the power source until it is completely assembled and adjusted, and you have read and understood this Instruction Manual.**
- **To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.**

INSTALLING TOOL RESTS (FIG. A,B)

1. Attach the right tool rest bracket (1) to the right wheel guard using two hex bolts (2) and flat washers (3) as shown in Fig. A.

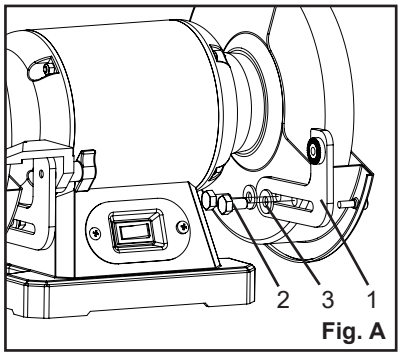


Fig. A

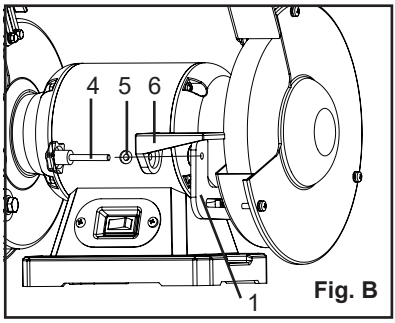


Fig. B

2. Attach the right tool rest (6) to the bracket (1) using a tool rest locking knob (4) and a washer (5) as shown in Fig.B. Ensure the flat profile of the tool rest is facing towards the stone.
3. Attach the left tool rest following the same procedure as above.

NOTE: When in use, the tool rests should be adjusted to within 1/16 in. (1.6 mm) of the grinding wheel or other accessory being used.

INSTALLING SPARK DEFLECTOR AND EYESHIELD ASSEMBLY (FIG. C,D)

1. Use two M5x10 hex bolt assy (1) to attach the right spark deflector (2) to the right wheel guard as shown in Fig.C.

2. Attach the left spark deflector following the same procedure as above.

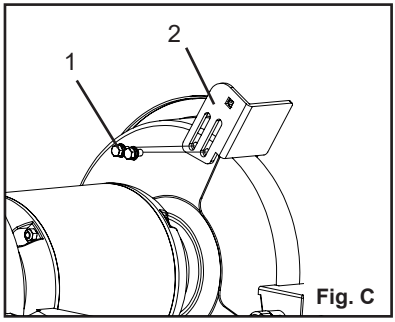


Fig. C

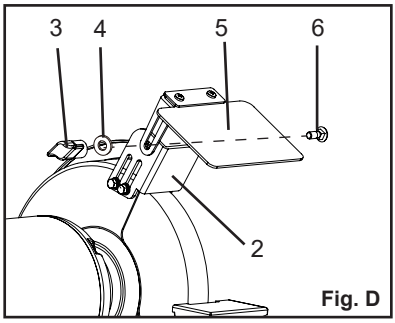


Fig. D

3. Attach the right eye shield assy (5) to the spark deflector (2) using a locking knob (4), flat washer (4) and neck bolt (6).

4. Attach the left eye shield assembly following the same procedure as above.

ON/OFF Switch (FIG. E)

1. Press the power switch side marked “0” to turn the grinder on.
2. Press the power switch side marked “I” to turn the grinder off.

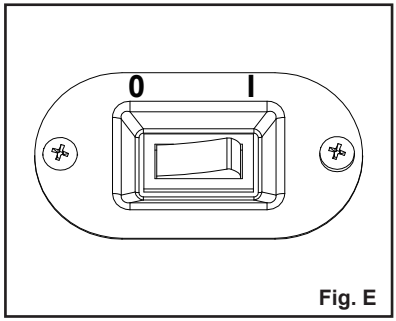


Fig. E

GENERAL OPERATION

⚠ WARNING

Keep all by standers a safe distance away from the tool and not in direct line, front or back of the grinder.

1. Your bench grinder has a medium fine wheel (60 grit) for medium material removal and general purpose grinding, and a coarse wheel (36 grit) for fast material removal.
2. To operate the bench grinder, always wear safety glasses and turn the tool on while standing at the side and not in front of the grinder. Allow it to reach full speed before grinding.
3. Hold the workpiece firmly against the tool rest. Hold very small pieces with pliers or other suitable clamps.
4. Feed the workpiece smoothly and evenly into the grinding wheel.
5. Move the workpiece slowly and avoid jamming the workpiece 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.
6. The grinding wheels supplied with this unit are designed for different types of steel, wrought iron, and bronze.
7. Never sharpen or grind anything made of aluminum, brass, copper, wood, plastic or any other non-metallic materials.

MOUNTING THE TOOL ON A WORKBENCH (FIG. F)

NOTE: FIRMLY BOLT THE GRINDER TO A WORK BENCH OR LEG STAND to gain maximum stability for your machine.

1. Using the base of the bench grinder as a template, mark the bench through four holes in the casting.
2. Bolt the bench grinder on the bench with bolts, washers and nuts.

NOTE: The mentioned fasteners are not supplied with the machine.

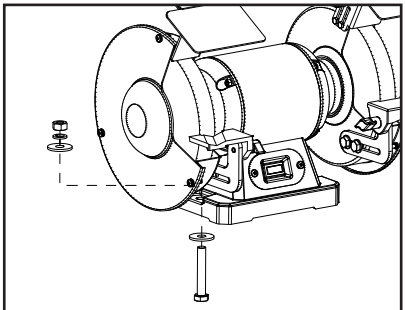


Fig. F

Grinding

1. Adjust the tool rest to accommodate large or unusually shaped workpieces.
2. Always keep the workpiece moving across the face of the grinding wheel. Grinding continuously on the same spot on the wheel will cause grooves to be worn into the wheel. The wheel may crack or become damaged more easily, and grinding of other objects will be difficult.
3. If the workpiece becomes hot, dip it into water or oil to cool it.
4. Always grind on the face of the wheel (around the diameter), NEVER on the sides. Side pressure on grinding wheels can cause cracking and damage.
5. If the face of the grinding wheel is worn unevenly, becomes grooved, or is no longer smooth and flat, the wheel should be reshaped with a dressing tool.
6. If the grinding wheel is no longer round, the wheel should be reshaped with a dressing tool or replaced.
7. If the surface of the wheel becomes loaded and dull with workpiece material, the wheel should be cleaned with a dressing tool.
8. After reshaping, always readjust the tool rests and spark arrestors.

⚠ WARNING

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

⚠ CAUTION

Prolonged grinding will cause most materials to become hot. Use care when handling such materials.

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 perfect rectangle, absolutely flat and 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 intersecting faces perpendicular. 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.

CHANGING GRINDING WHEELS (FIG. G,H, I, J, K, L)

⚠ CAUTION

Turn off and unplug the bench grinder. Use only grinding wheels that measure 8 in. (200 mm) in diameter. This tool has 5/8 in. (15.88 mm) arbors on both sides.

1. Raise the eye shield (1) out of the way and adjust the spark guard (2) in its highest setting.
2. Loosen the knob and remove the tool rest assembly (3).

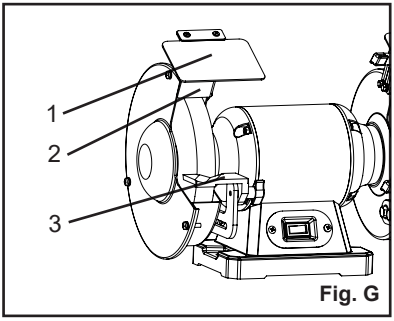


Fig. G

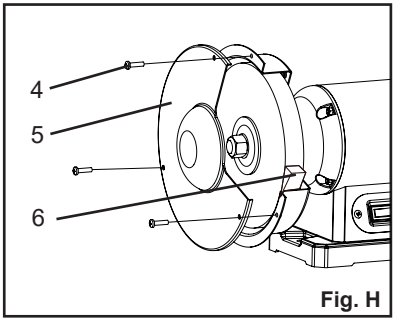


Fig. H

3. Remove three screws (4) from the side wheel cover and then remove the outer cover(5).
4. To prevent wheel rotating, place a wood wedge (6) (not supplied) between the wheel and the wheel cover as shown in Fig. H.

   NOTE: Using a metal object, like a screwdriver, is not recommended as it may damage the grinding wheel.

5.. Loosen the hex nut (7) by an adjustable wrench as shown in Fig. I.

NOTE: The nut on the left side of of the grinder has a standard left-hand thread (turn clockwise to loosen). The one on the right side has a right-hand thread (turn counterclockwise to loosen). Both wheel nuts tighten when turning toward the rear of the grinder and loosen when turningtoward the front of the grinder.

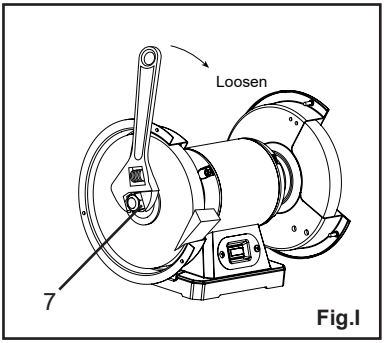


Fig.I

6. Remove the hex nut (7), the outside wheel flange (8) and the wheel (9) as shown in Flg. J.
7. Inspect the wheel (9) for cracks, chips or any other visible damage (other than normal wear) and discard if such damage is found. Inspect the blotter/ cardboard disc for damage. If the blotter is missing or severely damaged, replace it with a piece of thin cardboard or blotter paper cut in the same shape. NEVER USE A GRINDING WHEEL WITHOUT A BLOTTER.

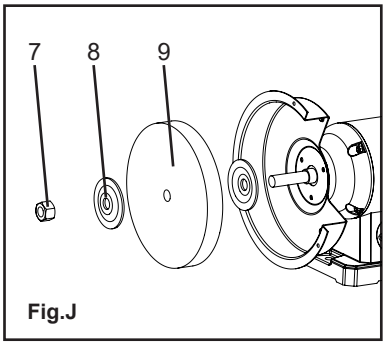


Fig.J

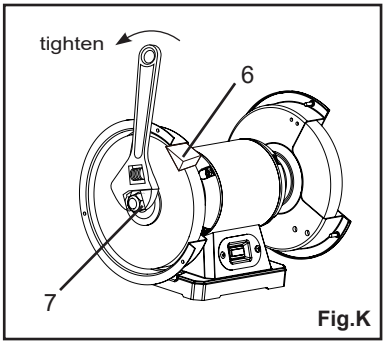


Fig.K

8. Install the new wheel and make sure both wheel flanges (8) are in place with the concave sides toward wheels.
9. To prevent wheel rotating, place a wood wedge (6) (not supplied) between the wheel and the wheel cover as shown in Fig. K.
10. Tighten the hex nut (7) by an adjustable wrench.

NOTE: Do not overtighten the nut as this can crack the grinding wheel.

11. Replace the wheel cover (5) and screws (4).
12. Reinstall and adjust the tool rest to 1/16 in. (1.6 mm) away from the wheel and tighten securely.
13. Adjust the eye shield (1) to a point between your eyes and the wheel.

GENERAL MAINTENANCE

⚠ WARNING

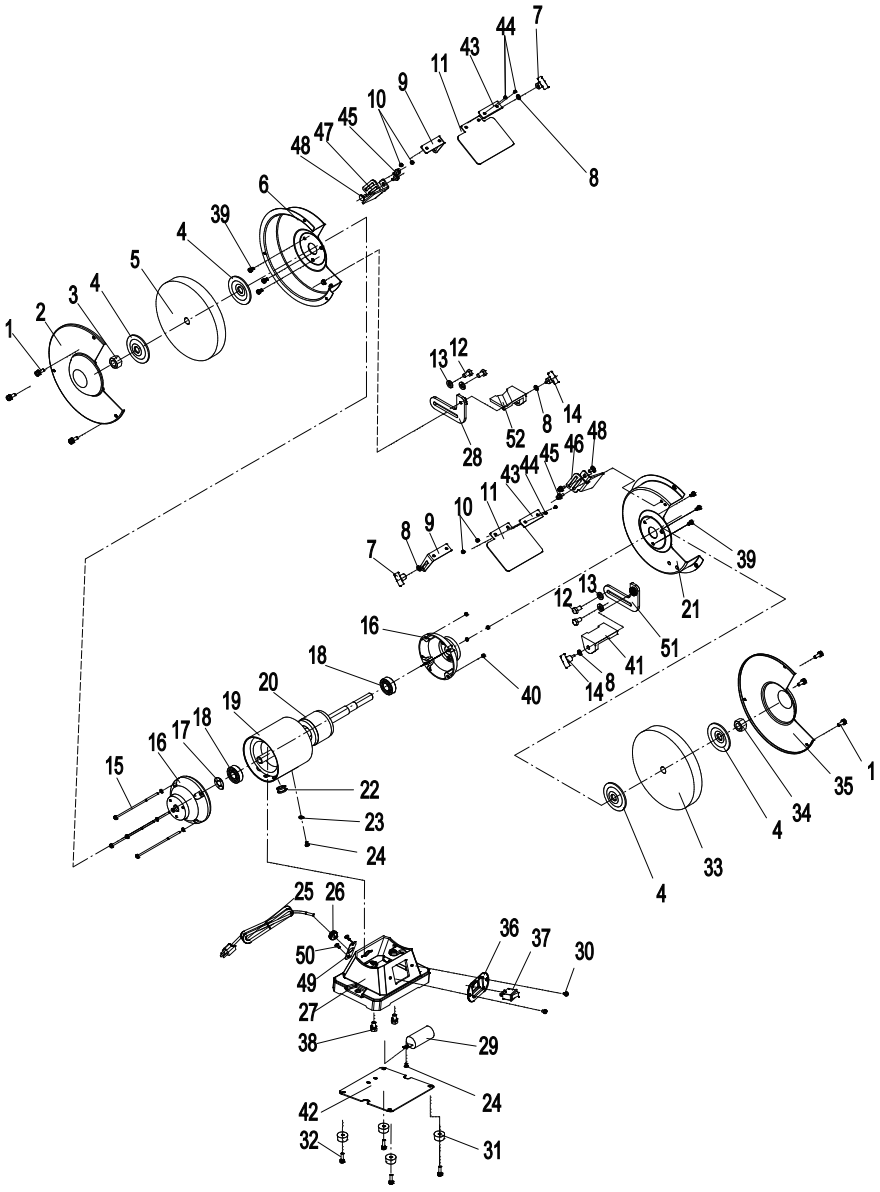
For your own safety, turn switch "OFF" and remove plug from power source outlet before adjusting and maintaining your bench grinder. If power cord is worn, cut or damaged in any way, have it replacedb immediately.

1. Regularly check the tool and use a soft brush to remove accumulated dust.
2. Use only mild soap and damp cloth to clean the tool. Do not use alcohol, petrol or other similar cleaning agents.
3. Do not make contact with the grinding wheels with any damp cloth.
4. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.
5. Wear safety goggles to protect your eyes while cleaning.
6. Always make sure the eyeshields are transparent and not blocking the view of the grinding wheel.
7. 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.
8. 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. Replacement the wheel must have a 5/8 in. (15.88 mm) center hole, 8 in. (200 mm) diameter and should be a maximum of 1 in. (25 mm) wide. for cracks and maintain the existing sequence of retaining hardware. Be sure the tool is unplugged before attempting repairs.

⚠ WARNING

- **Never use caustic agents to clean the plastic parts of the tool.**
- **Water must never come into contact with the grinder.**
- **The use of any other accessories is not recommended and may result in serious injury.**

EXPLODED VIEW



Package contents

ID	DESCRIPTION	SIZE	QTY
1	philips screw + spring washer + flat washer assy	M5x18	6
2	left guard cover		1
3	hex nut	M16 left	1
4	wheel flange		4
5	grinding wheel	36#	1
6	left inner guard		1
7	eyeshield bracket locking knob	M6	2
8	flat washer	φ6	4
9	eyeshield bracket		1
10	hex flange nut	M4	2
11	eyeshield	PC	2
12	hex bolt	M8X10	4
13	flat washer	D8	4
14	tool rest locking knob		2
15	philips screw + flat washer assy	M5x155	4
16	end cap		2
17	wave spring washer	φ40	1
18	bearing	6203	2
19	stator		1
20	rotor		1
21	right inner guard		1
22	cord bushing		1
23	toothed lock washer	φ4	1
24	philips screw + spring washer + flat washer assy	M4x8	2
25	cord plug		1
26	cord clip		1

PARTS LIST

ID	DESCRIPTION	SIZE	QTY
27	base		1
28	left tool rest barcket		1
29	capacitor		1
30	philips screw	M4x8	2
31	rubber foot		4
32	philips screw + flat washer assy	M4x16	4
33	grinding wheel	60#	1
34	hex nut	M16	1
35	right guard cover		1
36	switch plate		1
37	switch		1
38	philips screw + spring washer assy	M8x20	2
39	philips screw + spring washer assy	M5x10	6
40	hex flange nut	M5	4
41	right tool rest		1
42	base plate		1
43	eyeshield press plate		2
44	philips screw	M4X12	4
45	hex bolt + spring washer + flat washer assy	M5X10	4
46	right spark deflector		1
47	left spark deflector		1
48	bolt	M6*16	2
49	cord plate		1
50	philips screw	M5X8	2
51	right tool rest barcket		1
52	left tool rest		1

⚠ WARNING

To avoid injury from an accidental start, turn the switch OFF and always remove the plug from the power source before making any adjustments.

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Machine does not start, or powersupply fuse/breaker trips immediately after startup.	Not plugged into power outlet.	Plug it into the power outlet.
	Power switch is not in ON position.	Turn the switch ON.
	Motor cord cut or abraded.	Contact Professional Service Station for repair.
	Plug on cord is faulty.	Contact Professional Service Station for repair.
	Faulty motor.	Contact Professional Service Station for repair.
	Fuse on circuit breaks open.	Re-set; may be too many machines on line.
Machine slows when operating.	Operator applying too much pressure.	Use less pressure when grinding.
Wavy condition on surface of workpiece.	1. Machine vibrating. 2. Workpiece not held firmly. 3. Wheel face uneven. 4. Wheel is too hard.	1. Securely mount on solid surface. 2. Use a holding device to firmly hold the workpiece. 3. Dress grinding wheel. 4. Use softer wheel, or reduce feed rate.
Lines on surface of workpiece.	1. Wheel surface loaded with residue. 2. Workpiece not held tightly.	1. Dress grinding wheel. 2. Use holding device to firmly hold workpiece.
Burning spots or cracks in the workpiece.	1. Improper type of grinding wheel. 2. Improper feed rate. 3. Workpiece requires quenching.	1. Try softer style wheel or a wheel with coarser grit. 2. Slow down rate of workpiece movement into wheel. 3. Quench workpiece in water to cool.

WARRANTY

2 YEAR LIMITED WARRANTY

TWO-YEAR LIMITED WARRANTY

Having Problems ?
Give us a chance to help you before returning this product

Email : service@bucktool.com

https://www.bucktool.com

909-255-1088 (8AM-5PM PST)

Instagram BUCKTOOLS

Bucktool

https://www.bucktool.com