

SEARS/CRAFTSMAN[®] Save This Manual
For Future Reference
INDUSTRIAL

owner's
manual

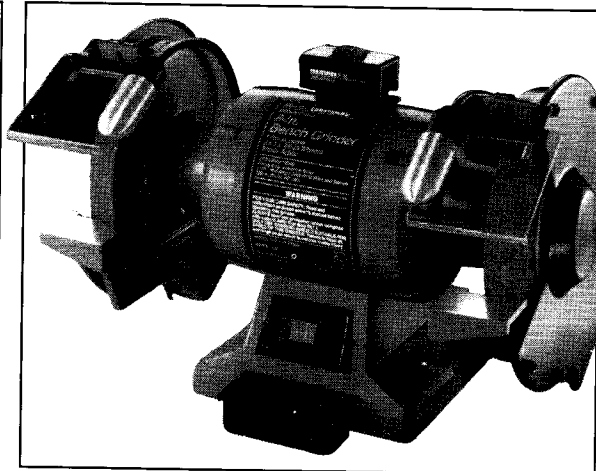
MODEL NO.
319.190630

SERIAL NO.

Model and serial numbers may be found on the name plate located on the front of the tool. You should record both the model and serial number and retain it in a safe place for future use.

CAUTION:

Read, understand and follow ALL instructions and rules for safe operation before operating this tool.



SEARS/CRAFTSMAN[®]
INDUSTRIAL
8-INCH
BENCH GRINDER

- Warranty
- Safety Instructions
- Know Your Grinder
- Assembly
- Operation And Maintenance
- Repair Parts



31919063000

Sold by SEARS, ROEBUCK AND CO., Chicago, IL 60684

**FULL ONE-YEAR WARRANTY ON SEARS/CRAFTSMAN INDUSTRIAL
8-INCH BENCH GRINDER**

If within one year from the date of purchase, this Sears/Craftsman Industrial Bench Grinder fails due to a defect in material or workmanship, Sears will repair it, free of charge.

This warranty applies only while this product is in use in the United States.

**WARRANTY SERVICE IS AVAILABLE BY SIMPLY RETURNING THE TOOL TO
(OR CONTACTING) THE NEAREST SEARS SERVICE CENTER/DEPARTMENT
IN THE UNITED STATES.**

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

Sears, Roebuck and Co., Dept. 817 WA, Hoffman Estates, IL 60179

SAFETY INSTRUCTIONS FOR BENCH GRINDER

Safety is a combination of common sense, staying alert and knowing how your grinder works. Read this manual to understand this grinder.

BEFORE USING THE GRINDER:

WARNING: TO AVOID MISTAKES THAT COULD CAUSE SERIOUS, PERMANENT INJURY, DO NOT PLUG THE GRINDER IN UNTIL THE FOLLOWING STEPS HAVE BEEN READ AND SATISFACTORILY COMPLETED.

1. Read and become familiar with this entire instruction manual. Learn the tool's applications, limitations and possible hazards.
2. **GROUND ALL TOOLS.** If the tool is equipped with a 3-prong plug, it must be plugged into a 3-contact electric outlet. The 3rd prong is a ground to provide protection against accidental electric shock. Never remove the 3rd prong on a grounded plug. See Grounding Instructions on page 4.
3. **AVOID DANGEROUS CONDITIONS.** DO NOT use power tools in wet or damp areas or expose them to rain.
4. **DO NOT** use power tools in the presence of flammable liquids or gases.
5. **ALWAYS** keep your work area clean, uncluttered and well lit. DO NOT work on floor surfaces that are slippery from sawdust or wax.
6. **KEEP VISITORS AND CHILDREN AWAY.** Other people should keep a safe distance from the work area, especially when tool is operating.
7. **DO NOT FORCE THE TOOL.** Never force a tool to do a job for which it was not designed. It will do a better and safer job by only using on jobs for which it was designed.
8. **DRESS FOR SAFETY.** DO NOT wear loose clothing, gloves, neckties, or jewelry (rings, watches); they can get caught and draw you into moving parts. ALWAYS wear non-slip footwear; tie back long hair.

SAFETY INSTRUCTIONS *CONTINUED*

9. **ALWAYS WEAR EYE PROTECTION.** Any grinder can throw foreign objects into the eyes which 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. Safety Goggles are available at Sears.
- NOTE: Glasses or goggles not in compliance with ANSI Z87.1 could seriously hurt you when they break.



10. **WEAR A FACE MASK OR DUST MASK IF GRINDING OPERATION PRODUCES DUST.**
11. **ALWAYS** remove the power cord plug from the electric outlet when making adjustments, changing parts, cleaning, or working on tool.
12. **KEEP GUARDS IN PLACE AND IN WORKING ORDER.**
13. **AVOID ACCIDENTAL STARTING.** Ensure that the power switch is in the "OFF" position before plugging in the power cord.
14. **REMOVE ADJUSTING TOOLS.** Form habit of checking to see that tools and adjusting wrenches are removed from the grinder before turning it on.
15. **USE ONLY RECOMMENDED ACCESSORIES.** Using improper accessories can be hazardous. If in doubt, check the instruction manual that comes with that accessory.
16. **NEVER LEAVE A TOOL RUNNING UNATTENDED.** Turn the power switch to "OFF". DO NOT leave tool until it has come to a complete stop.
17. **NEVER STAND ON A TOOL.** Serious injury could result if the tool tips or you accidentally hit the grinding wheel. DO NOT store anything above or near the tool where anyone might stand on the tool to reach it.
18. **DON'T OVERREACH.** Keep proper footing and balance at all times. Wear oil-resistant rubber-soled footwear. Keep floor clear of oil, scrap wood and other debris.
19. **MAINTAIN TOOLS WITH CARE.** Always keep tools clean and in good working order.
20. **CHECK DAMAGED PARTS.** Before each use of 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 or any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
21. **MAKE WORKSHOP CHILD PROOF.** By use of padlocks, master switches, or by removing starter keys.
22. **DRUGS, ALCOHOL OR MEDICATIONS.** DO NOT operate tool if you are under the influence of drugs, alcohol or medication that could affect your ability to use the tool properly.
23. **SECURE ALL WORK.** When practical, use clamps or a vise to hold work. It is safer than using your hands and prevents round or odd-shaped pieces from turning.

SAFETY INSTRUCTIONS *CONTINUED*

■ GROUNDING INSTRUCTIONS

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug **MUST** be plugged into a matching outlet that is properly installed and grounded in accordance with ALL local codes and ordinances.

DO NOT MODIFY THE 3-PRONG PLUG...if it will not fit the outlet, have the proper outlet installed by a qualified electrician. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green (sometimes, but not always with yellow stripes) is the equipment-grounding conductor.

NOTE: If repair or replacement of the electric cord or plug is ever necessary, **DO NOT** connect the equipment-grounding conductor to a live terminal.

If you have any doubts as to whether the tool is properly grounded or if the grounding instructions are unclear, check with a qualified electrician or service personnel.

USE ONLY 3-WIRE EXTENSION CORDS THAT HAVE 3-PRONG GROUNDING PLUGS AND 3-POLE RECEPTACLES THAT ACCEPT THE TOOL'S PLUG.

REPAIR OR REPLACE DAMAGED OR WORN CORD IMMEDIATELY.

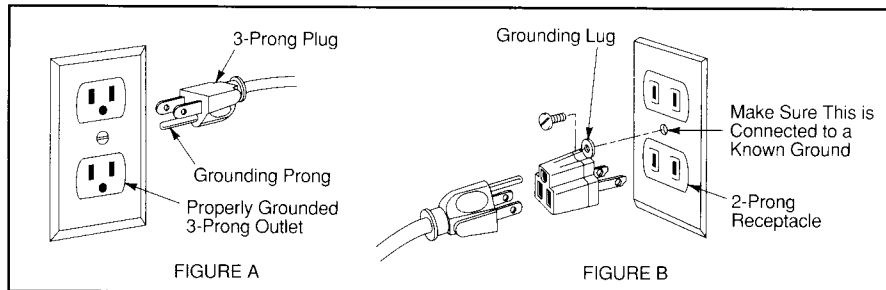


FIGURE (A)...shows a 3-wire electrical plug and outlet that has a grounding conductor. If a properly grounded outlet is not available, an adapter (**FIGURE B**) can be used to temporarily connect this plug to a 2-contact ungrounded outlet.

The adapter (**FIGURE B**) has a green rigid grounding lug extending from it that **MUST** be connected to a permanent earth ground, such as a properly grounded outlet box.

THE ADAPTER SHOULD ONLY BE USED UNTIL A PROPERLY GROUNDED OUTLET CAN BE INSTALLED BY A QUALIFIED ELECTRICIAN.

WARNING:

When using a grounded tool around other ungrounded devices, be sure that the ungrounded devices are in good condition. An ungrounded device can function, yet have internal electrical problems that could cause a hazard when brought in contact with a grounded tool.

SPECIAL SAFETY RULES FOR BENCH GRINDERS

WARNING:



The operation of any Grinder can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before commencing power tool operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. A Wide Vision Safety Mask for use over spectacles or standard safety glasses with side shields is available at Sears stores.

1. **ALWAYS USE TOOL GUARDS AND EYE SHIELDS PROVIDED WITH GRINDER, SAFETY GOGGLES AND OTHER EYE PROTECTION. KEEP THUMBS AND FINGERS AWAY FROM WHEEL.**

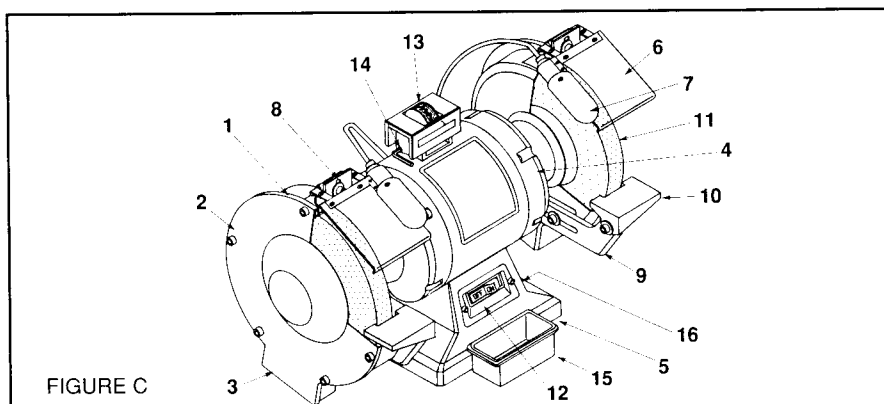
WARNING:

2. **REPLACE A CRACKED GRINDING WHEEL IMMEDIATELY.** Handle wheels carefully; before replacing a wheel, check it for cracks. Tighten the spindle nut just enough to hold the wheel firmly; if the nut is tightened too much, the clamping strain can damage the wheel. Use only wheel flanges provided with grinder. When selecting a replacement wheel, be sure that the grinder will not exceed the manufacturer's recommended speed (RPM's) for the wheel.
3. **AS THE DIAMETER OF THE GRINDING WHEEL DECREASES WITH USE,** adjust tool rests to maintain a distance of 1/16-inch or less from the wheel. Also keep the distance between the spark arrestor and grinding wheel 1/8 of an inch or less.

WARNING:

4. **DO NOT STAND IN FRONT OF GRINDER WHEN STARTING IT.** To start the grinder, stand to one side and turn it on. Wait at side until the grinder comes up to full speed. There is always a possibility that a piece from a damaged grinding wheel may be thrown off when coming to full speed.
5. **EXHAUST CHUTE WILL CHANNEL OUT SPARKS AND DEBRIS...BE SURE EXHAUST IS NOT IN THE VICINITY OF FLAMMABLE MATERIAL.**
Frequently clean grinding dust from back of grinder
6. **NEVER FORCE WORK AGAINST A GRINDING WHEEL,** especially if the wheel is cold. Apply the work gradually to give the wheel an opportunity to warm. This will minimize the chance of wheel breakage.
7. **KEEP ALL WHEEL GUARDS IN PLACE. DO NOT USE GRINDER WITH WHEEL GUARD REMOVED.**
8. **DO NOT TRY TO CUT ANYTHING WITH THE GRINDING WHEEL.**
9. **ALWAYS USE A WHEEL DRESSER TO RESURFACE THE GRINDING WHEEL.**

KNOW YOUR GRINDER (See FIGURE C)



1. **WHEEL GUARD**...houses wheel exposing only working surface
2. **WHEEL END COVER**...shields side of wheel
3. **REAR-MOUNTED EXHAUST CHUTES**...direct debris away from operator
4. **MOTOR HOUSING**...encases and helps protect motor
5. **BASE PADS**...help dampen vibration
6. **EYESHIELDS**...heavy-duty shatter-resistant amber-colored plastic prevent debris from reaching the operator
7. **LAMP**...attached to eye shield to illuminate work area
8. **SPARK ARRESTORS**...help keep sparks away from operator
9. **TOOL REST ARM**...adjustable to move workpiece closer or away from grinding wheel
10. **TOOL REST**...adjusts to various angles for specific grinding applications...supports workpiece during operation
11. **8 X 1-IN. GRINDING WHEEL**...for grinding or sharpening
12. **ON/OFF SWITCH**...extra large for easy operation
13. **DRESSING WHEEL**...for truing the surface of grinding wheel
14. **DRESSING WHEEL/HEX KEY STORAGE AREA**...for convenient and handy storage
15. **WATER TRAY**...for cooling and quenching workpiece
16. **MOUNTING HOLES**...for securing grinder to grinding stand or work bench
17. **WHEEL ARBOR (not shown)**...for mounting wheel
18. **WHEEL FLANGES (not shown)**...combine with spindle nuts to stabilize wheel
19. **BLOTTER (not shown)**...circular paper label that lists wheel information (size, rpm, grit) acts as a cushion for wheel to evenly distribute pressure
20. **BALL BEARING (not shown)**...for smooth, dependable operation
21. **HEX KEY ADJUSTING TOOL (not shown)**...make all normal adjustments using one tool

■ TECHNICAL DATA

MODEL NUMBER	GRINDING WHEEL SIZE	SPEED	POWER	BULBS
319.190630	8 X 1 X 5/8 IN. ARBOR	3450 RPM	1 HP	CANDELABRA BASE 6 WATTS OR LESS (EACH)

ASSEMBLY INSTRUCTIONS

Included in carton are items shown in FIGURE D. The hex key provided is the only tool you'll need to make all normal day-to-day adjustments on this grinder. Wheel changes and certain other adjustments will require an adjustable wrench and other tools.

■ WARNING

1. **DO NOT ASSEMBLE WHEN GRINDER IS PLUGGED IN.**
2. **ALWAYS MAKE SURE SWITCH IS IN THE "OFF" POSITION.**
3. **ALWAYS CHECK THAT THE GRINDING WHEEL IS SECURE.**
4. **BE SURE THAT ALL SCREWS HOLDING THE END COVERS ARE TIGHT.**

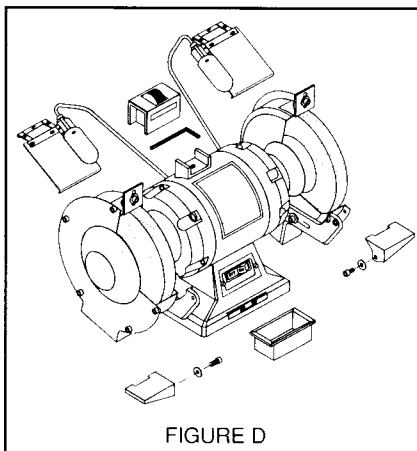


FIGURE D

■ EYE SHIELD/LIGHT ASSEMBLY (See FIGURE E)

1. Remove from protective packaging and carefully unwrap wiring
2. Remove hex head screws from bracket on top of wheel guard.
3. Separate bracket and remove back plate.
4. Insert eye shield axle and align holes.
5. Reinsert back plate and hex head screws.
6. Tighten hex head screws, being careful not to over-tighten.
NOTE: The eye shield must move freely, yet stay in place once it is tightened.
7. Check to be sure screws holding brackets to eye shields are tight and haven't loosened during shipment.
8. Check and tighten the screws holding shades to lamp sockets and the screws holding lamp sockets to eye shields...these too could loosen during shipment.
9. Check light bulb for looseness.
10. Be sure lamp cord rests between motor housing and wheel guard. Cord should not be twisted or knotted.

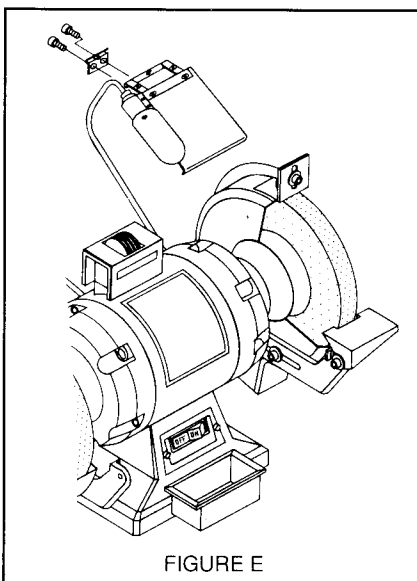


FIGURE E

ASSEMBLY INSTRUCTIONS *CONTINUED*

■ TOOL RESTS

(See FIGURE F)

1. Slide tool rest arm forward.
2. Attach tool rest with screw and washer.
3. Adjust both arm and tool rest, then tighten...
serrated discs "lock" tool rest in place
Adjust the tool rests to a distance of 1/16-in. from the surface of the grinding wheel. This distance must be maintained for proper operation. As the wheel wears down, the tool rests must be re-adjusted to maintain a 1/16-in. clearance.

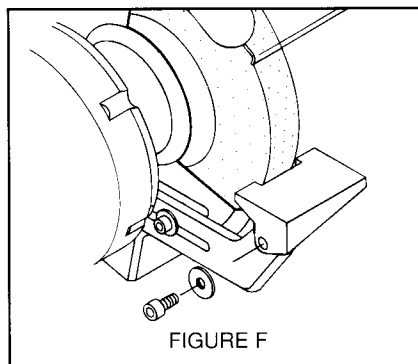


FIGURE F

■ SPARK ARRESTORS

(See FIGURE G)

Adjust the spark arrestors to a distance of 1/8-in. from the surface of the grinding wheel. This distance must be maintained for proper operation. As the wheel wears down, the spark arrestors must be re-adjusted to maintain the 1/8-in. clearance.

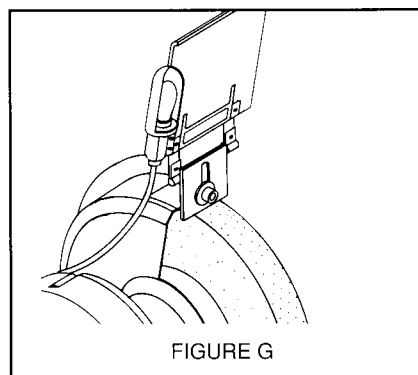


FIGURE G

■ DRESSING WHEEL (not shown)

Mount the dressing wheel into tool rest on top of grinder, making sure it is mounted securely. The slot is for convenient storage of hex key adjusting tool. When all adjustments have been made, return hex key to storage slot.

USE HEX KEY (PROVIDED) TO BE SURE THAT ALL PARTS OF GRINDER ARE PROPERLY TIGHTENED BEFORE OPERATING...GRINDING WHEEL ADJUSTMENTS REQUIRE THE USE OF AN ADJUSTABLE WRENCH (BEING CAREFUL NOT TO OVERTIGHTEN THE WHEEL AND CAUSE DAMAGE).

■ WATER TRAY

(See FIGURE H)

Slide water tray onto water tray bracket at bottom front of grinder base. Add water. Water tray is used to cool or quench workpiece after grinding or sharpening.

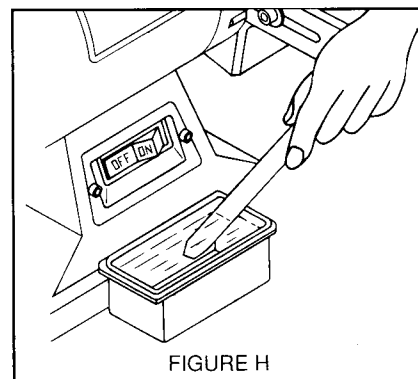


FIGURE H

OPERATION AND MAINTENANCE

■ OPERATION

A bench grinder is designed for hand grinding operations such as sharpening chisels, screwdrivers, drill bits, removing excess metal, and smoothing metal surfaces.

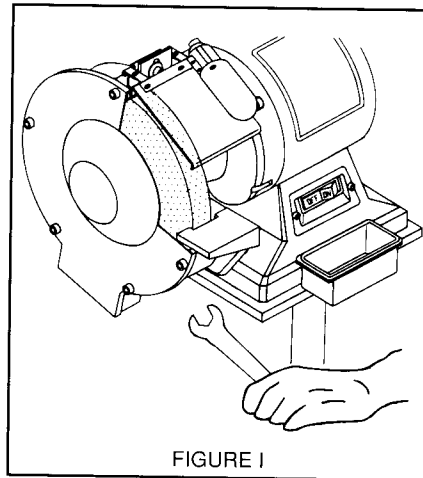
A Medium Grain Abrasive Grinding Wheel...is suitable for rough grinding where a considerable amount of metal must be removed or when obtaining a smooth finish is not important.

A Fine Grain Abrasive Grinding Wheel...should be used for sharpening tools or grinding to close size tolerances because it removes metal more gradually for precision grinding and gives work a smooth finish.

■ MOUNTING THE GRINDER (See FIGURE I)

To prevent grinder from moving during operation it should be securely mounted to a work bench or grinding stand.

1. Align mounting holes on grinder with holes in bench or stand.
2. Insert bolt through holes and tighten, using washer, nut (not incl.)



OPERATION AND MAINTENANCE CONTINUED

■ CHANGING THE GRINDING WHEEL (See FIGURE J)

1. Unplug the electrical cord.
2. Remove wheel guard hex screws, using hex key provided.
3. Remove wheel end cover.
4. Hold opposite wheel firmly and remove nut and flanges from wheel being changed, using an adjustable wrench.

NOTE: Turn the spindle nut on right-hand wheel counter-clockwise to loosen. Turn the spindle nut on left-hand wheel clockwise to loosen.

5. Remove old wheel and replace with new wheel.

NOTE: Be sure to visually inspect new wheel for cracks, chips or other possible damage during shipping.

NEVER USE A DAMAGED WHEEL.

6. Hold opposite wheel firmly and re-assemble flanges and nut onto wheel spindle.
7. Tighten spindle nut just enough to hold wheel firmly
NOTE: DO NOT OVER TIGHTEN. This could damage grinding wheel.
8. Re-attach the wheel guard.
9. Check for proper clearances between the grinding wheel and the tool rests and spark arrestors.
10. While still unplugged, hand turn wheel to check for alignment and to see if any other part is binding the grinding wheel.
11. **DO NOT STAND IN FRONT OF GRINDER WHEN STARTING.**
Stand to one side and turn on grinder. Let it come up to speed and idle for one minute.

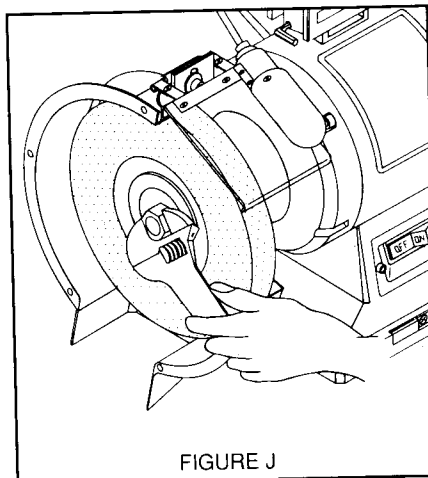


FIGURE J

■ CHANGING THE LIGHT BULB (See FIGURE K)

1. UNPLUG THE ELECTRICAL CORD FROM WALL OUTLET
2. Remove small phillips screw holding lamp shade to socket.
3. Hold socket in one hand and slide the shade forward to clear the socket and lift out
4. Unscrew burnt-out bulb and discard.
5. Screw in new candelabra-base bulb.
WARNING: DO NOT EXCEED RECOMMENDED WATTAGE (6-WATT) FOR BULBS.
6. Replace shade and align screw hole.
7. Reinsert phillips screw and tighten, being careful not to overtighten.

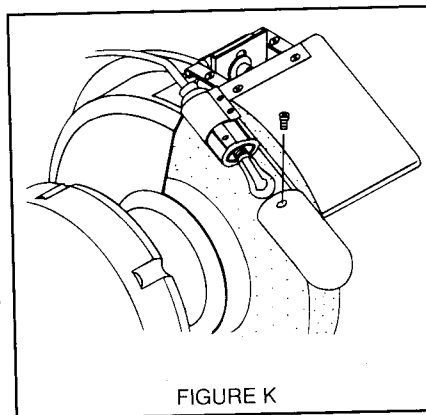


FIGURE K

OPERATION AND MAINTENANCE *CONTINUED*

■ BEFORE GRINDING

1. Adjust the eye shield.
2. Check for 1/16-in. clearance between the wheel and tool rests; and 1/8-in. clearance between wheel and spark arrestors. Hand turn grinding wheel to check alignment and to be sure no other part is binding the grinding wheel.

NOTE: Always keep the tool rests adjusted so they just clear the wheel and are located at the center line of the wheel or just below the center line. This will help prevent accidental jamming of work between the wheel and the tool rest.

3. **CAUTION: DO NOT STAND IN FRONT OF GRINDER WHEN STARTING.** Stand to one side and turn on grinder. Let it come up to speed and idle for one minute. There is always the possibility that a piece from a damaged grinding wheel may be thrown off when coming up to full speed.

■ WHEN GRINDING

When grinding, ALWAYS keep the workpiece moving across the face of the wheel. Continually grinding against the same spot on the wheel will cause grooves to be worn into the face of the wheel. Tool rests can be adjusted to accommodate larger, odd-shaped work pieces. **NEVER GRIND AGAINST THE SIDE OF THE WHEEL.**

■ RESHAPING GRINDING WHEEL

When a grinding wheel wears out-of-round it is necessary to reshape the wheel.

ALWAYS use the dressing wheel tool when reshaping.

NOTE: After reshaping it will be necessary to re-adjust the tool rests and spark arrestors to maintain proper clearance from the wheel.

■ USING DRESSING WHEEL

(See FIGURE L)

Grinding wheels tend to load up (fill up with the material you are grinding), get dull, and lose their shape. The dressing wheel is the one cure for all three of these conditions.

1. Adjust tool rests to horizontal position.
2. Turn on grinder, making sure to follow all previous precautions.
3. Firmly place fingers in recessed gripping slots and support dressing wheel on tool rest making sure that the dressing wheel makes contact with grinding wheel at a position just below the center point of the grinding wheel surface.

NOTE: There are reference books available with instructions and valuable tips to help you fully utilize the capabilities of your grinder.

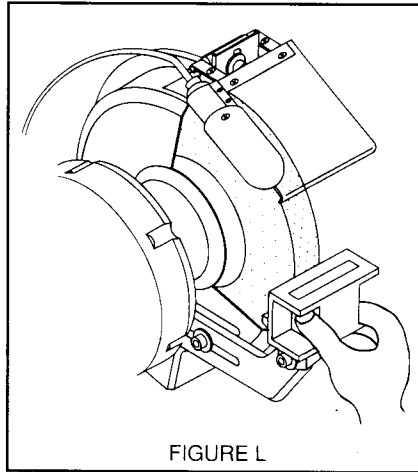
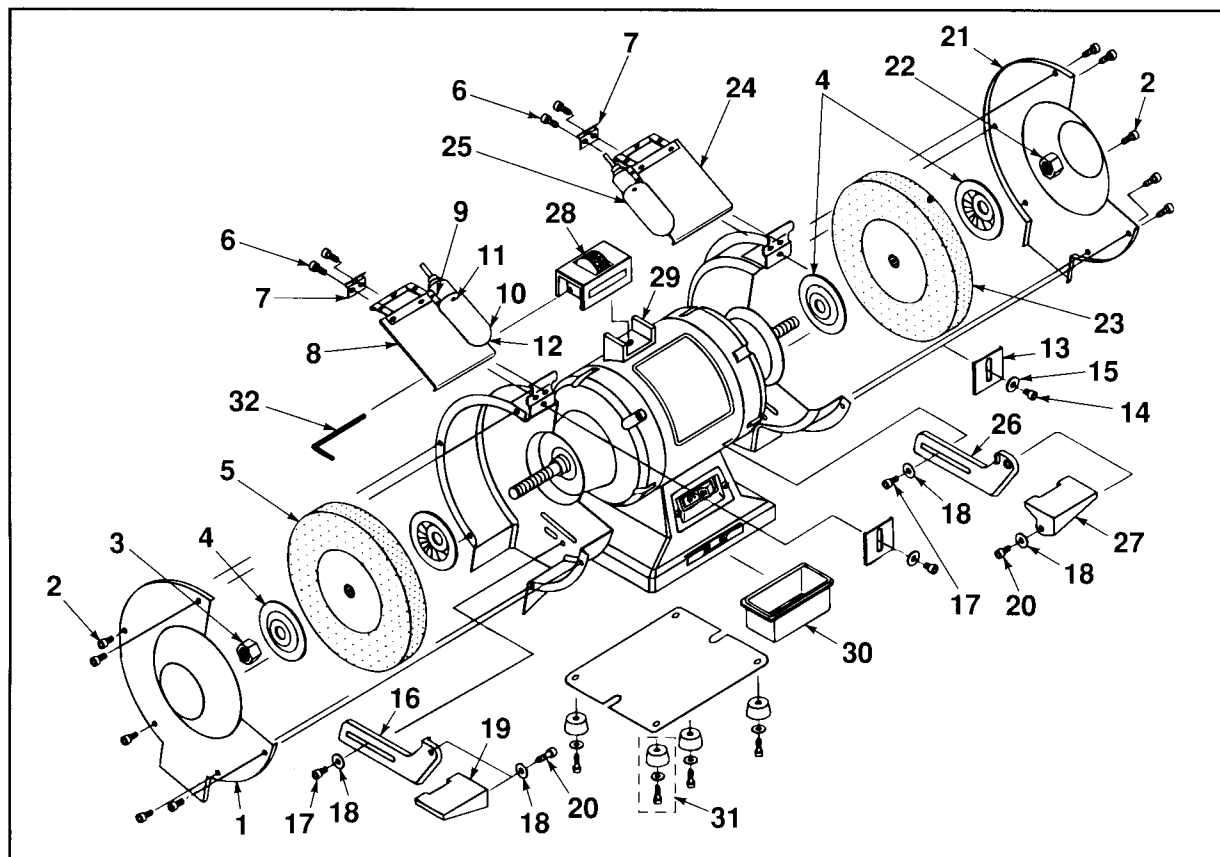


FIGURE L

REPAIR PARTS



PARTS LIST

8-in. Bench Grinder Model No. 319.190630 Parts List

Key	Part Number	Description	Quantity
1	31919063001	Left Wheel End Cover	1
2	31919063002	Hex Screws	10 (5 ea. side)
3	31919063003	Left Spindle Nut	1
4	31919063004	Wheel Flange	4 (2 ea. side)
5	31919063005	Grinding Wheel (60 grit)	1
6	31919063006	Hex Screws	4 (2 ea. side)
7	31919063007	Eye Shield Clamp Bracket	2 (1 ea. side)
8	31919063008	Left Eye Shield w/Bracket	1
9	31919063009	Light Housing Nut/Bolt Set	4 (2 ea. side)
10	STD 372061	Light Bulb (6-watt)	2 (1 ea. side)
11	31919063011	Shade Screw	2 (1 ea. side)
12	31919063012	Left Lamp Shade	1
13	31919063013	Spark Arrestor	2 (1 ea. side)
14	31919063014	Spark Arrestor Screw	2 (1 ea. side)
15	31919063015	Spark Arrestor Washer	2 (1 ea. side)
16	31919063016	Left Tool Rest Arm	1
17	31919063017	Hex Screws	2 (1 ea. side)
18	31919063018	Washer	4 (2 ea. side)
19	31919063019	Left Tool Rest	1
20	31919063020	Hex Screws	2 (1 ea. side)
21	31919063021	Right Wheel End Cover	1
22	31919063022	Right Spindle Nut	1
23	31919063023	Grinding Wheel (36 grit)	1
24	31919063024	Right Eye Shield w/Bracket	1
25	31919063025	Right Lamp Shade	1
26	31919063026	Right Tool Rest Arm	1
27	31919063027	Right Tool Rest	1
28	31919063028	Dressing Wheel	1
29	31919063029	Dressing Wheel Holder w/Screw	1
30	31919063030	Water Tray	1
31	31919063031	Foot Pad Assembly	4
32	31919063032	Hex Key	1
		Owner's Manual Included	

SEARS

Grinder Stand Model 319.190640

SAVE THESE ASSEMBLY INSTRUCTIONS AND PARTS LIST

INTRODUCTION

This pedestal stand is designed for use with all Sears Craftsman grinders and sander grinders. It can also be used with most other grinders having mounting holes in the base. The heavy duty cast iron mounting table top is predrilled to accommodate the base mounting holes of all 5, 6, and 8 inch grinders. The stand's cast iron base can be anchored to the workshop floor using the mounting hole located at the top-end of each leg, thereby making it permanently secured.

This pedestal grinder stand features 5 height adjustable positions from 29 to 37 inches from the floor to the table top, with the foot pads installed.

UNPACKING and CHECKING CONTENTS

Separate all parts from packing material and check each part with the parts list illustration, **Figure 1**, until all parts are accounted for, before discarding any of the packing material. If any parts are missing or damaged, DO NOT continue assembly of the stand until the proper parts are obtained from your Sears Store.

TOOLS REQUIRED

Adjustable wrench, pliers, and level.

ASSEMBLY

1. Place **BASE (1)** on floor, insert and tighten the **INNER-THREADED BOLT (2)** into each foot hole.
2. Screw **RUBBER FOOT PAD (3)** into each bolt (2). Adjust rubber foot pad on each leg so that the base is level and stable.
3. Insert **LOWER COLUMN POST (4)** into the base (1). Level the post to ensure it is vertical, then tighten the **BASE BOLTS (5)** at both locations.
4. Slip the **UPPER COLUMN POST (6)** into the **TRANSITION COLLAR (7)**, then insert into the lower column post (4). The upper column post will slide down into the lower column post. Align the scribe line on the top lip of the Transition Collar with the center of the left side hole in the Lower Column Post. In the right side hole, insert and tighten **BOLT (8)** to fix the Transition Collar in place.
5. Select the desired height, by raising the upper column. Align hole in lower column with one of the five holes in the upper column post. Insert the **LONG BOLT (9)** with **WASHER (10)** into and through the opposite side of the lower column post. Attach **LOCK WASHER (11)** and tighten the **WING-NUT (12)**. *NOTE: the holes in the upper column are spaced two inches apart allowing height adjustment of approximately 29-31-33-35-37 inches from floor to table top.*
6. Install the plastic **KNOB ALIGNMENT BOLT (13)** into the Transition Collar hole and tighten until the Upper Column post is vertically level. Repeat procedure using the other **KNOB ALIGNMENT BOLT (13)** into the second hole.
7. Mount **TABLE TOP (14)** to upper column (6) and tighten **BOLT (5)**. Level the table top to be horizontal.

WARNING: TURN SWITCH "OFF" AND REMOVE PLUG FROM ELECTRICAL OUTLET BEFORE MOUNTING GRINDER ONTO THE STAND.

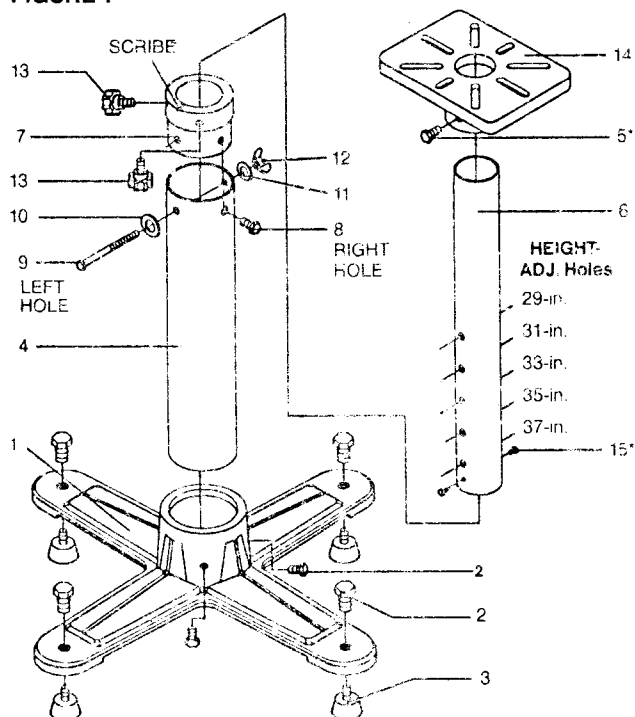
8. Bolt and secure grinder to the stand table top, using bolt (size 3/8" X 2" or 2 1/2"), washers and nut on each side of base, see Figure 2. (Mounting bolts, washers, nuts are not provided)

9. Place the assembled grinder stand at the location where it will be used; if necessary, readjust base pads to adjust for a slightly unlevel floor.

WARNING: WHEN CHANGING HEIGHT OF STAND, GRINDER MUST BE UNPLUGGED FROM ELECTRICAL OUTLET, UNFASTENED AND REMOVED FROM THE STAND'S TOP.

10. Review Grinder Owner's Manual, that came with your grinder, for **SAFETY INSTRUCTIONS** before using.

FIGURE 1



ASSEMBLY and PARTS LIST for SEARS PEDESTAL GRINDER STAND Model 319.190640

KEY NO.	PART NO.	DESCRIPTION	QUANTITY
1	31919064001	Base	1
2	31919064002	Inner-threaded bolt	4
3	31919064003	Foot pad	4
4	31919064004	Lower column post	1
5*	31919064005	Bolt 10 X 20 mm	2
6	31919064006	Upper column post	1
7	31919064007	Transition collar	1
8	31919064008	Bolt 10 X 12 mm	1
9	31919084009	Long bolt 16 X 105 mm	1
10	31919064010	Washer 8 mm	1
11	31919064011	Lock washer 8 mm	1
12	31919064012	Wing nut 8 mm	1
13	31919064013	Knob alignment bolt	2
14	31919064014	Table top	1
15*	31919064015	Screws 1 X 5 mm	2
16	31919064016	Owners manual	1

NOTE: Bolts indicated with the * have been factory installed, and may need to be loosened to complete assembly.

MOUNTING THE GRINDER TO THE STAND

FIGURE 2

SAFETY INSTRUCTIONS FOR BENCH GRINDER

Safety is a combination of common sense, staying alert and knowing how your grinder works. Read this manual to understand this grinder.

BEFORE USING THE GRINDER:

WARNING: TO AVOID MISTAKES THAT COULD CAUSE SERIOUS, PERMANENT INJURY, DO NOT PLUG THE GRINDER IN UNTIL THE FOLLOWING STEPS HAVE BEEN READ AND SATISFACTORILY COMPLETED.

1. Read these safety instructions and review your grinder's owner manual.
2. **GROUND ALL TOOLS.** If the tool is equipped with a 3-prong plug, it must be plugged into a 3-contact electric outlet. The 3rd prong is a ground to provide protection against accidental electric shock. Never remove the 3rd prong on a grounded plug. See Grounding Instructions in your grinder owner's manual.
3. **AVOID DANGEROUS CONDITIONS.** DO NOT use power tools in wet or damp areas or expose them to rain.
4. **DO NOT** use power tools in the presence of flammable liquids or gases.
5. **ALWAYS** keep your work area clean, uncluttered and well lit. DO NOT work on floor surfaces that are slippery from sawdust or wax.
6. **KEEP VISITORS AND CHILDREN AWAY.** Other people should keep a safe distance from the work area, especially when tool is operating.
7. **DO NOT FORCE THE TOOL.** Never force a tool to do a job for which it was not designed. It will do a better and safer job by only using on jobs for which it was designed.
8. **DRESS FOR SAFETY.** DO NOT wear loose clothing, gloves, neckties, or jewelry (rings, watches); they can get caught and draw you into moving parts. ALWAYS wear non-slip footwear; tie back long hair.

SPECIAL SAFETY RULES FOR BENCH GRINDERS

WARNING:

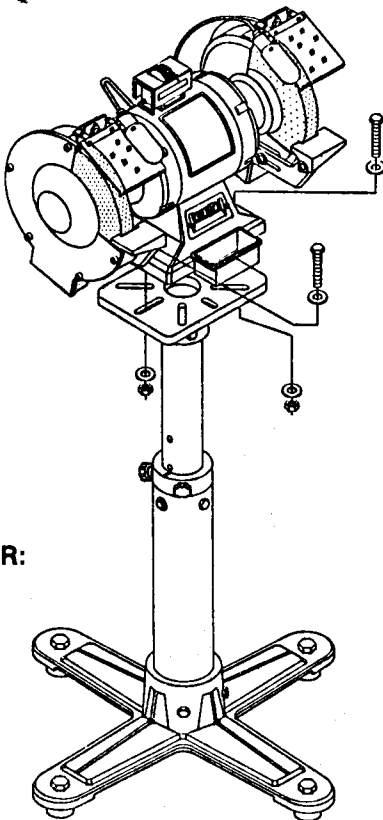


The operation of any Grinder can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before commencing power tool operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. A Wide Vision Safety Mask for use over spectacles or standard safety glasses with side shields is available at Sears stores.

1. **ALWAYS USE TOOL GUARDS AND EYE SHIELDS PROVIDED WITH GRINDER, SAFETY GOGGLES AND OTHER EYE PROTECTION. KEEP THUMBS AND FINGERS AWAY FROM WHEEL.**

WARNING:

2. **REPLACE A CRACKED GRINDING WHEEL IMMEDIATELY.** Handle wheels carefully; before replacing a wheel, check it for cracks. Tighten the spindle nut just enough to hold the wheel firmly; if the nut is tightened too much, the clamping strain can damage the wheel. Use only wheel flanges provided with grinder. When selecting a replacement wheel, be sure that the grinder will not exceed the manufacturer's recommended speed (RPM's) for the wheel.



3. **AS THE DIAMETER OF THE GRINDING WHEEL DECREASES WITH USE,** adjust tool rests to maintain a distance of 1/16-inch or less from the wheel. Also keep the distance between the spark arrestor and grinding wheel 1/8 of an inch or less.

WARNING:

4. **DO NOT STAND IN FRONT OF GRINDER WHEN STARTING IT.** To start the grinder, stand to one side and turn it on. Wait at side until the grinder comes up to full speed. There is always a possibility that a piece from a damaged grinding wheel may be thrown off when coming to full speed.
5. **EXHAUST CHUTE WILL CHANNEL OUT SPARKS AND DEBRIS... BE SURE EXHAUST IS NOT IN THE VICINITY OF FLAMMABLE MATERIAL.** Frequently clean grinding dust from back of grinder.
6. **NEVER FORCE WORK AGAINST A GRINDING WHEEL,** especially if the wheel is cold. Apply the work gradually to give the wheel an opportunity to warm. This will minimize the chance of wheel breakage.
7. **KEEP ALL WHEEL GUARDS IN PLACE. DO NOT USE GRINDER WITH WHEEL GUARD REMOVED.**
8. **DO NOT TRY TO CUT ANYTHING WITH THE GRINDING WHEEL.**
9. **ALWAYS USE A WHEEL DRESSER TO RESURFACE THE GRINDING WHEEL.**
10. **WEAR A FACE MASK OR DUST MASK IF GRINDING OPERATION PRODUCES DUST.**
11. **ALWAYS** remove the power cord plug from the electric outlet when making adjustments, changing parts, cleaning, or working on tool.
12. **KEEP GUARDS IN PLACE AND IN WORKING ORDER.**
13. **AVOID ACCIDENTAL STARTING.** Ensure that the power switch is in the "OFF" position before plugging in the power cord.
14. **REMOVE ADJUSTING TOOLS.** Form habit of checking to see that tools and adjusting wrenches are removed from the grinder before turning it on.
15. **USE ONLY RECOMMENDED ACCESSORIES.** Using improper accessories can be hazardous. If in doubt, check the instruction manual that comes with that accessory.
16. **NEVER LEAVE A TOOL RUNNING UNATTENDED.** Turn the power switch of "OFF". DO NOT leave tool until it has come to a complete stop.
17. **NEVER STAND ON A TABLE.** Serious injury could result if the tool tips or you accidentally hit the grinding wheel. DO NOT store anything above or near the tool where anyone might stand on the tool to reach it.
18. **DON'T OVERREACH.** Keep proper footing and balance at all times. Wear oil-resistant rubber-soled footwear. Keep floor clear of oil, scrap wood and other debris.
19. **MAINTAIN TOOLS WITH CARE.** Always keep tools clean and in good working order.
20. **CHECK DAMAGED PARTS.** Before each use of 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 or any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
21. **MAKE WORKSHOP CHILD PROOF.** By use of padlocks, master switches, or by removing starter keys.
22. **DRUGS, ALCOHOL OR MEDICATIONS.** DO NOT operate tool if you are under the influence of drugs, alcohol or medication that could affect your ability to use the tool properly.
23. **SECURE ALL WORK.** When practical, use clamps or a vise to hold work. It is safer than using your hands and prevents round or odd-shaped pieces from turning.

HOW TO ORDER REPLACEMENT PARTS:

Now that you have purchased your Pedestal Grinder Stand, should a need ever exist for repair parts or service, simply contact any Sears Service Center and most Sears stores. Be sure to provide all pertinent facts when you call or visit.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION.

PART NUMBER	PART DESCRIPTION
MODEL NUMBER 319.190640	NAME OF ITEM GRINDER STAND

All parts listed may be ordered from any Sears Service Center and most Sears stores. If the parts you need are not stocked locally, your order will be electronically transmitted to a Sears Repair Parts Distribution Center for handling.

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Printed in China