

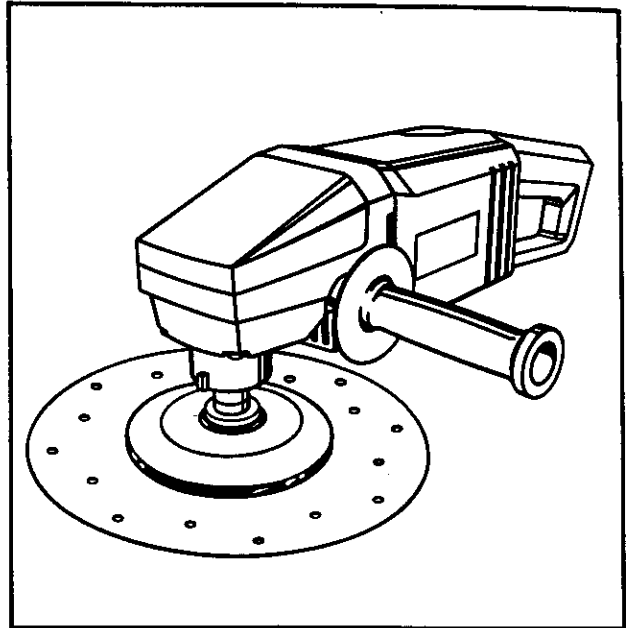
SEARS

OWNERS
MANUAL

MODEL NO.
315.115041

CAUTION:
Read Rules for
Safe Operation
and Instructions
Carefully

SAVE THIS
MANUAL FOR
FUTURE REFERENCE



CRAFTSMAN®
7 INCH ELECTRIC
SANDER

DOUBLE INSULATED

Warranty

Introduction

Operation

Maintenance

Repair Parts



612547-627
10-00

Designed exclusively for and sold only by
SEARS, ROEBUCK AND CO., Hoffman Estates, IL 60179

Printed in U.S.A.

FULL ONE YEAR WARRANTY ON CRAFTSMAN SANDER

If this Craftsman Sander fails to give complete satisfaction within one year from the date of purchase, **RETURN IT TO THE NEAREST SEARS STORE IN THE UNITED STATES**, and Sears will repair it, free of charge.

If this Craftsman Sander is used for commercial or rental purposes, this warranty applies for only 90 days from the date of purchase.

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

INTRODUCTION

DOUBLE INSULATION is a concept in safety, in electric power tools, which eliminates the need for the usual three wire grounded power cord and grounded supply system. Wherever there is electric current in the tool there are two complete sets of insulation to protect the user. All exposed metal parts are isolated from internal metal motor components with protecting insulation.

IMPORTANT - Servicing of a tool with double insulation requires extreme care and knowledge of the system and should be performed only by a qualified service technician. For service we suggest you return the tool to your nearest Sears Store for repair. Always use original factory replacement parts when servicing.

RULES FOR SAFE OPERATION

WARNING: DO NOT ATTEMPT TO OPERATE THIS TOOL UNTIL YOU HAVE READ THOROUGHLY AND UNDERSTAND COMPLETELY ALL INSTRUCTIONS, SAFETY RULES, ETC. CONTAINED IN THIS MANUAL. FAILURE TO COMPLY CAN RESULT IN ACCIDENTS INVOLVING FIRE, ELECTRIC SHOCK, OR SERIOUS PERSONAL INJURY. SAVE OWNERS MANUAL AND REVIEW FREQUENTLY FOR CONTINUING SAFE OPERATION, AND INSTRUCTING OTHERS WHO MAY USE THIS TOOL.

READ ALL INSTRUCTIONS

1. **KNOW YOUR POWER TOOL** - Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards related to this tool.
2. **GUARD AGAINST ELECTRICAL SHOCK BY PREVENTING BODY CONTACT WITH GROUNDED SURFACES.** For example: Pipes, radiators, ranges, refrigerator enclosures.
3. **KEEP GUARDS IN PLACE** and in working order.
4. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
5. **AVOID DANGEROUS ENVIRONMENT.** Don't use power tool in damp or wet locations or expose to rain. Keep work area well lit.
6. **KEEP CHILDREN AND VISITORS AWAY.** All visitors should wear safety glasses and be kept a safe distance from work area. Do not let visitors contact tool or extension cord.
7. **STORE IDLE TOOLS.** When not in use tools should be stored in a dry, high or locked-up place - out of the reach of children.
8. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
9. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy duty tool. Don't use tool for purpose not intended - for example - Don't use a circular saw for cutting tree limbs or logs.
10. **WEAR PROPER APPAREL.** No loose clothing or jewelry to get caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Also, wear protective hair covering to contain long hair and keep it from being drawn into air vents.
11. **ALWAYS WEAR SAFETY GLASSES.** Everyday eyeglasses have only impact-resistant lenses; they are **NOT** safety glasses.
12. **PROTECT YOUR LUNGS.** Wear a face or dust mask if cutting operation is dusty.
13. **PROTECT YOUR HEARING.** Wear hearing protection during extended periods of operation.

RULES FOR SAFE OPERATION (Continued)

14. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
15. **SECURE WORK.** Use clamps or a vise to hold work. Both hands are needed to operate the tool.
16. **DON'T OVERREACH.** Keep proper footing and balance at all times. Do not use on a ladder or unstable support.
17. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
18. **DISCONNECT TOOLS.** When not in use, before servicing, or when changing attachments, blades, bits, cutters, sandpaper, etc., all tools should be disconnected from power supply.
19. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
20. **AVOID ACCIDENTAL STARTING.** Don't carry plugged-in tools with finger on switch. Be sure switch is off when plugging in.
21. **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. A wire gage size (A.W.G.) of at least 12 is recommended for an extension cord 100 feet or less in length. A cord exceeding 100 feet is not recommended. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.
22. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords suitable for use outdoors. Outdoor approved cords are marked with the suffix W-A, for example - SJTW-A or SJOW-A.
23. **NEVER USE THIS OR ANY POWER SANDER FOR WET SANDING.** Failure to comply can result in electrical shock causing serious injury or worse.
24. **KEEP HANDS AWAY FROM SANDING AREA.**
25. **NEVER USE IN AN EXPLOSIVE ATMOSPHERE.** Normal sparking of the motor could ignite fumes.
26. **INSPECT TOOL CORDS PERIODICALLY** and if damaged, have repaired at your nearest Sears Repair Center. Stay constantly aware of cord location.
27. **INSPECT EXTENSION CORDS PERIODICALLY** and replace if damaged.
28. **KEEP HANDLES DRY, CLEAN, AND FREE FROM OIL AND GREASE.** Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products or any strong solvents to clean your tool.
29. **STAY ALERT.** Watch what you are doing and use common sense. Do not operate tool when you are tired. Do not rush.
30. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless indicated elsewhere in this instruction manual.
31. **DO NOT USE TOOL IF SWITCH DOES NOT TURN IT ON AND OFF.** Have defective switches replaced by an authorized service center.
32. Inspect for and remove all nails from lumber before sanding.
33. **DRUGS, ALCOHOL, MEDICATION.** Do not operate tool while under the influence of drugs, alcohol, or any medication.
34. **WHEN SERVICING USE ONLY IDENTICAL CRAFTSMAN REPLACEMENT PARTS.**
35. **POLARIZED PLUGS.** To reduce the risk of electric shock, this tool has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.
36. **SAVE THESE INSTRUCTIONS.** Review them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan them these instructions also.

▲WARNING: SOME DUST CREATED BY POWER SANDING, SAWING, GRINDING, DRILLING, AND OTHER CONSTRUCTION ACTIVITIES CONTAINS CHEMICALS KNOWN 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, AND
- 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.

▲WARNING



The operation of any sander can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields, available at Sears Retail Stores.

OPERATION

⚠ WARNING: ALWAYS WEAR SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS WHEN OPERATING YOUR SANDER. FAILURE TO DO SO COULD RESULT IN OBJECTS BEING THROWN INTO YOUR EYES, RESULTING IN POSSIBLE SERIOUS INJURY. IF THE SANDING OPERATION IS DUSTY, ALSO WEAR A FACE OR DUST MASK.

KNOW YOUR SANDER

Before attempting to use your sander, familiarize yourself with all operating features and safety requirements. See Figure 1.

⚠ WARNING: IF ANY PARTS ARE MISSING DO NOT OPERATE YOUR TOOL UNTIL THE MISSING PARTS ARE REPLACED. FAILURE TO DO SO COULD RESULT IN POSSIBLE SERIOUS PERSONAL INJURY.

Make sure power supply is 120 volts, 60 Hz, AC only.

DISCONNECT YOUR SANDER FROM POWER SUPPLY WHILE ASSEMBLING PARTS OR MAKING ADJUSTMENTS.

INSTALLING AUXILIARY HANDLE

See Figure 2.

An auxiliary handle is packed with your sander for ease of operation. The auxiliary handle can be installed on either side of the unit and must always be used to prevent loss of control and possible serious injury. To install, position washer into place and start threads into the threaded hole in the gear housing. Tighten cap screw securely.

SPINDLE LOCK BUTTON

A spindle lock button has been provided for locking the spindle of your tool in a stationary position. It is located on the side of the gear housing as shown in figure 3. Depress and hold the lock button while installing, changing, or removing accessories.

⚠ CAUTION: Do not engage spindle lock while spindle is rotating.

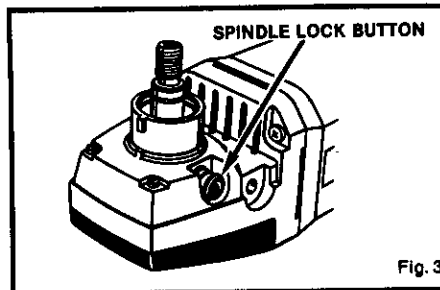


Fig. 3

⚠ WARNING: DO NOT ALLOW FAMILIARITY WITH YOUR SANDER TO MAKE YOU CARELESS. REMEMBER THAT A CARELESS FRACTION OF A SECOND IS SUFFICIENT TO INFLICT SEVERE INJURY.

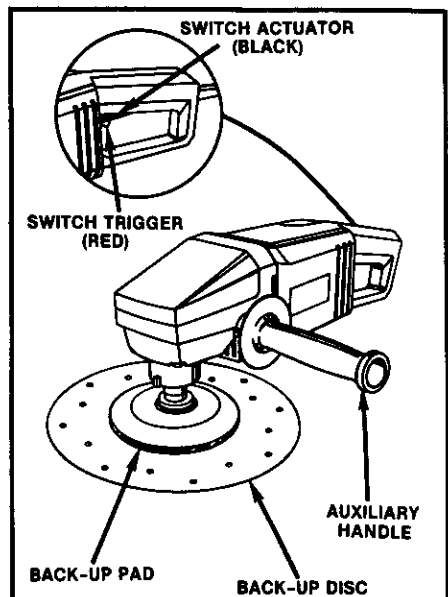


Fig. 1

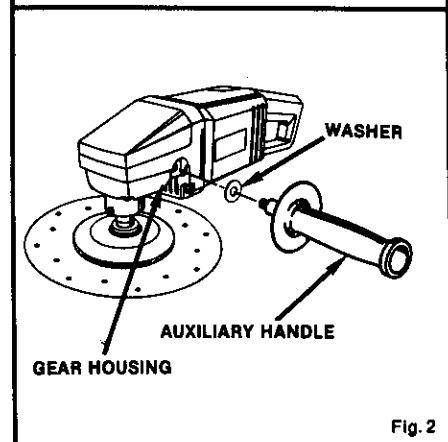


Fig. 2

OPERATION (Cont'd)

SWITCH

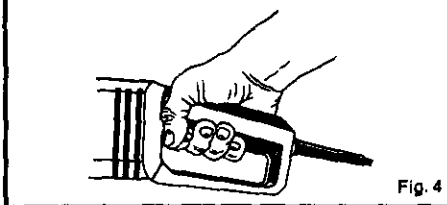
An important new feature of your sander is the switch design. It has multi-finger control for use when operating at different angles or sanding positions and to help reduce fatigue. It also has a lock-on feature in the switch for added utility and convenience on extended work requirements.

Carefully read and understand the following instructions for correct operation of the switch before connecting your sander to power supply.

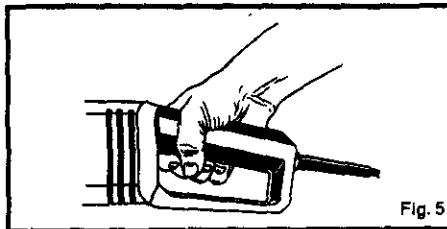
TO ACTIVATE SWITCH

To start your sander, depress the switch trigger and switch actuator at the same time. See Figure 4.

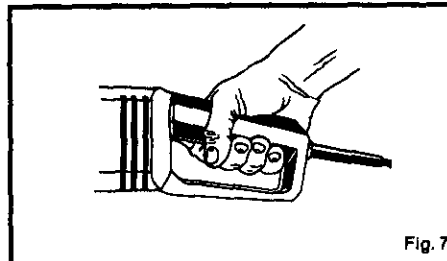
DEPRESS SWITCH TRIGGER AND SWITCH ACTUATOR TO START YOUR SANDER



TO ACTIVATE THE "LOCK-ON" FEATURE:



STEP 1. DEPRESS SWITCH TRIGGER AND SWITCH ACTUATOR WITH YOUR FINGERTIPS



STEP 3. GRASP BY HANDLE FOR SANDING WITH YOUR SANDER IN "LOCK-ON" POSITION

NOTE: PARTS OF THE SWITCH CAN BE EASILY IDENTIFIED BY THEIR COLOR. THE SWITCH TRIGGER IS RED. THE SWITCH ACTUATOR IS BLACK.

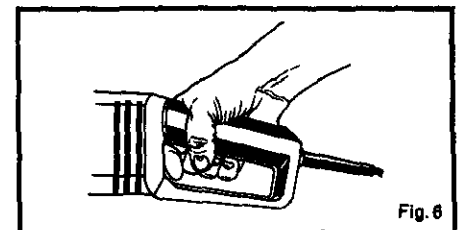
"LOCK-ON" SWITCH

1. Start your sander by depressing the switch trigger and switch actuator.
2. Continue to hold your sander in the "on" position with your fingertips and release the switch trigger. See Figures 5 and 6.
3. Release the switch actuator and grasp your sander by the handle as shown in figure 7.

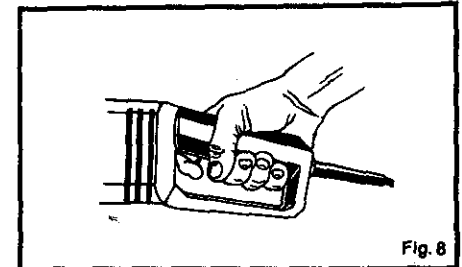
TO RELEASE "LOCK-ON" FEATURE

1. Depress the switch trigger and release it. See Figure 8.

⚠WARNING: BEFORE CONNECTING YOUR SANDER TO POWER SUPPLY SOURCE, ALWAYS CHECK SWITCH TO BE SURE IT IS NOT IN "LOCK-ON" POSITION. FAILURE TO DO SO COULD RESULT IN ACCIDENTAL STARTING RESULTING IN POSSIBLE SERIOUS INJURY. ALSO, DO NOT LOCK THE TRIGGER ON JOBS WHERE YOUR SANDER MAY NEED TO BE STOPPED SUDDENLY.



STEP 2. RELEASE SWITCH TRIGGER TO "LOCK-ON"



STEP 4. DEPRESS SWITCH TRIGGER TO RELEASE "LOCK-ON" FEATURE

OPERATION (Cont'd.)

INSTALLING SANDING DISC

DISCONNECT SANDER FROM POWER SUPPLY.

1. Assemble parts as shown in Figure 9.
2. Place washer on spindle, then thread rubber back-up pad onto spindle. Lock spindle by depressing spindle lock button and hand tighten back-up pad.
3. Position back-up disc and sanding disc in place and thread flange nut onto spindle. Tighten flange nut securely by turning the sanding disc clockwise by hand.

▲WARNING USE ONLY THE BACK UP PAD AND BACK UP DISC SUPPLIED WITH YOUR TOOL. OTHER TYPES OF PADS OR DISCS COULD DISINTEGRATE, CAUSING POSSIBLE SERIOUS PERSONAL INJURY.

SANDING

See Figure 10.

The material being sanded should be held firmly. Secure small workpieces in a vise or clamp to workbench.

Hold your sander in front and away from you with both hands. With the sanding disc clear of the workpiece, start your sander and let the motor reach its maximum speed, then lower to the work surface at a slight 5 to 8 degree angle. See Fig. 10. Do not allow the tool to remain in one place. This will cause uneven sanding or gouging of the work. Keep your sander slowly moving over the work.

▲WARNING KEEP A FIRM GRIP ON THE HANDLES OF YOUR TOOL WITH BOTH HANDS AT ALL TIMES. FAILURE TO DO SO COULD RESULT IN LOSS OF CONTROL LEADING TO POSSIBLE SERIOUS INJURY.

This tool was designed so that the weight of the tool alone will provide adequate weight on the sanding disc. Extra pressure will only result in uneven work, slower sanding from slower speed, and possible motor burn-out.

Upon completion of work, or a sanding operation, lift your sander away from work surface before turning off.

▲WARNING: SANDING DISC MUST COME TO A COMPLETE STOP BEFORE SETTING TOOL DOWN ON WORKBENCH. FAILURE TO DO SO CAN CAUSE THE TOOL TO BE THROWN FROM WORKBENCH BECAUSE OF SANDING DISC ROTATION. THIS COULD RESULT IN DAMAGE TO THE TOOL OR POSSIBLE SERIOUS PERSONAL INJURY.

To remove paint, varnish, or rust, sand with an openkote type sanding disc.

Another method of removing paint or rust is by wire brushing. The wire cup brush may be threaded directly onto the spindle.

▲WARNING ALWAYS WEAR PROTECTIVE GOGGLES. SPARKS, WIRE, AND LOOSE PARTICLES CAN BE THROWN WHILE USING A WIRE BRUSH. USE OF YOUR SANDER WITHOUT GOGGLES COULD RESULT IN SERIOUS PERSONAL INJURY.

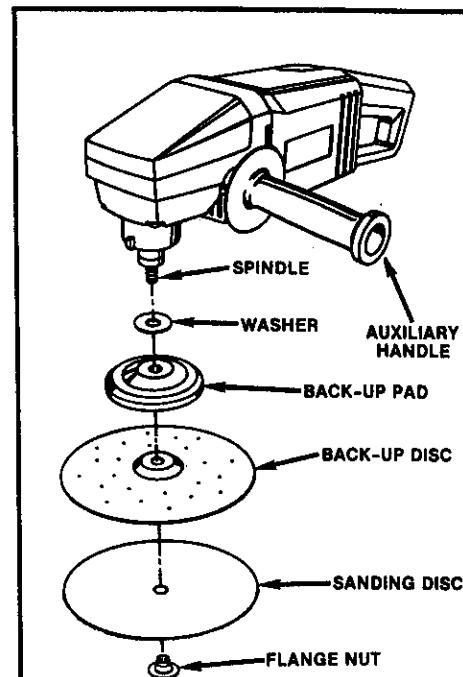


Fig. 9

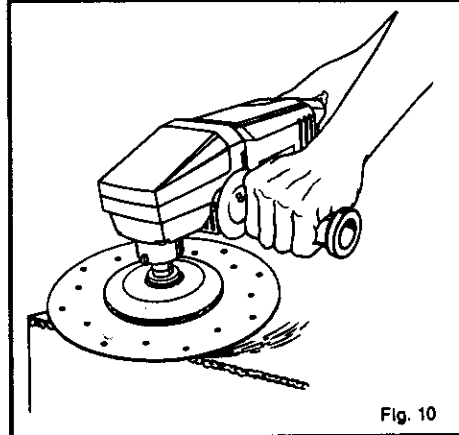


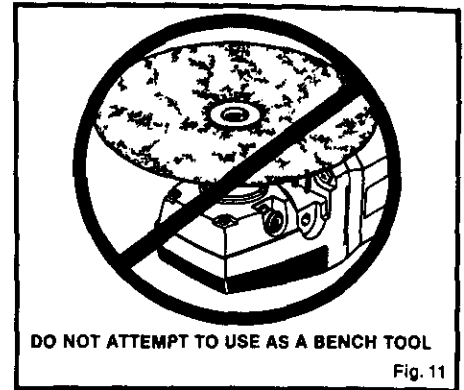
Fig. 10

OPERATION

For ease of operation and maintaining proper control, hold your sander **ONLY** by the handles provided. Also, as mentioned previously, hold it firmly with both hands at all times. **NEVER** grasp the front or sides of the tool body; or by any other means during use.

▲WARNING: THIS TOOL HAS BEEN DESIGNED FOR HAND HELD USE ONLY TO PREVENT POSSIBLE SERIOUS INJURY. DO NOT CLAMP IT UPSIDE DOWN TO A BENCH AND ATTEMPT TO USE IT AS A BENCH TOOL. IT WOULD BE IMPOSSIBLE TO CONTROL AND YOU WOULD HAVE NO PROTECTION AGAINST DUST, SPARKS, LOOSE PARTICLES, ETC.

▲CAUTION: Because of the rotating disc nature of your tool, always stay constantly aware of the power cord, cord plug, extension cord and extension cord plugs. They could get caught in the rotating spindle, wrap around it, and cause possible serious injury.



EXTENSION CORDS

The use of any extension cord will cause some loss of power. To keep the loss to a minimum and to prevent tool overheating, follow the recommended cord sizes on the chart at the right. When tool is used outdoors, use only extension cords suitable for outdoor use and so marked. Extension cords are available at Sears Retail Stores.

Extension Cord Length	Wire Size A.W.G.
25-50 Ft.	16
50-100 Ft.	14

▲WARNING: CHECK EXTENSION CORDS BEFORE EACH USE. IF DAMAGED, REPLACE IMMEDIATELY. NEVER USE TOOL WITH A DAMAGED CORD SINCE TOUCHING THE DAMAGED AREA COULD CAUSE ELECTRICAL SHOCK RESULTING IN SERIOUS INJURY.

▲WARNING: IF YOU CONVERT YOUR SANDER TO A GRINDER, YOU MUST PURCHASE THE APPROPRIATE GRINDING WHEEL AND GRINDING WHEEL GUARD. ANY ATTEMPT TO USE THIS TOOL AS A GRINDER WITHOUT A GUARD WOULD BE MISUSE AND COULD RESULT IN POSSIBLE SERIOUS INJURY.

THE FOLLOWING RECOMMENDED ACCESSORIES ARE CURRENT AND WERE AVAILABLE AT THE TIME THIS MANUAL WAS PRINTED.

CRAFTSMAN®

7-Inch Sanding Kit (9 11157)

Aluminum Oxide Sanding Discs

Guard (9 1711)

(Available through Catalog Sales Only)

50' 14 A.W.G. Ext. Cord (9 5821)

Wire Cup Brush Wheel (9 64106)

Carrying Case (9 1472C)

Grinding Wheel (9 64101)

100' 14 A.W.G. Ext. Cord (9 83508)

▲WARNING: The use of attachments or accessories not listed above might be hazardous.

MAINTENANCE

WARNING: WHEN SERVICING USE ONLY IDENTICAL CRAFTSMAN REPLACEMENT PARTS. USE OF ANY OTHER PARTS MAY CREATE A HAZARD OR CAUSE PRODUCT DAMAGE.

GENERAL

Only the parts shown on parts list, page 11, are intended to be repaired or replaced by the customer. All other parts represent an important part of the double insulation system and should be serviced only by a qualified Sears service technician.

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, carbon dust, etc.

WARNING: DO NOT AT ANY TIME LET BRAKE FLUIDS, GASOLINE, PETROLEUM-BASED PRODUCTS, PENETRATING OILS, ETC. COME IN CONTACT WITH PLASTIC PARTS. THEY CONTAIN CHEMICALS THAT CAN DAMAGE, WEAKEN, OR DESTROY PLASTIC.

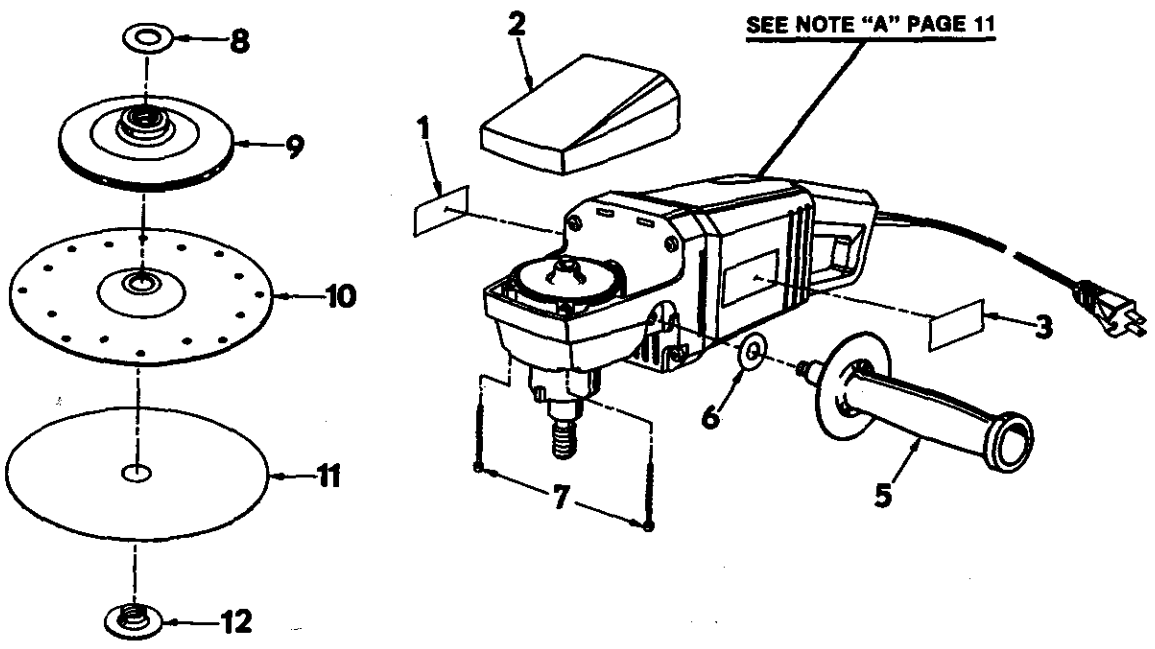
When electric tools are used on fiberglass boats, sports cars, wallboard, spackling compounds, or plaster, it has been found that they are subject to accelerated wear and possible premature failure, as the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutator, etc. Consequently, it is not recommended that this tool be used for extended work on any fiberglass material, wallboard, spackling compounds, or plaster. During any use on fiberglass it is extremely important that the tool is cleaned frequently by blowing with an air jet.

WARNING: ALWAYS WEAR SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS DURING POWER TOOL OPERATION OR WHEN BLOWING DUST. IF OPERATION IS DUSTY ALSO WEAR A DUST MASK.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. Therefore, no further lubrication is required.

CRAFTSMAN SANDER — MODEL NUMBER 315.115041



CRAFTSMAN SANDER — MODEL NUMBER 315.115041

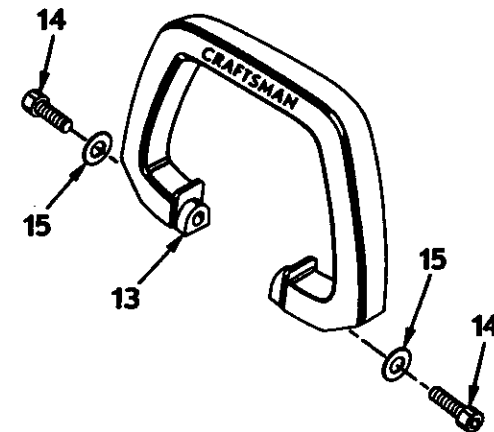
The model number will be found on a plate attached to the motor housing. Always mention the model number in all correspondence regarding your SANDER or when ordering repair parts.

SEE BACK PAGE FOR PARTS ORDERING INSTRUCTIONS

PARTS LIST

Key No.	Part No.	Description	Quan.
1	968172-001	Data Plate.....	1
2	998174-001	Gear Housing Cover.....	1
3	998182-001	Logo Plate.....	1
5	972895-003	Auxiliary Handle.....	1
6	621721-002	Washer.....	1
7	969592-004	*Screw (#8-10 x 2 In. Fil. Hd.).....	2
8	622141-013	Washer.....	1
9	617291-001	Back-Up Pad.....	1
10	622839-000	Back-Up Disc.....	1
11	***	7 Inch Sanding Discs with 7/8 In. hole (Item No. 9-25299 Fine Grit, 9-25291 Medium Grit, and 9-25292 Coarse Grit).....	1
12	617294-001	Flange Nut.....	1
13	967862-000	Bail Handle Assembly (Includes Key Nos. 14 and 15).....	1
14	967856-002	*Cap Screw (#3/8-24 x 1 In. Soc. Hd.).....	2
15	703776-035	Washer.....	2
	612547-627	Owner's Manual	

OPTIONAL BAIL HANDLE



NOTE: "A" - The assembly shown represents an important part of the Double Insulated System. To avoid the possibility of alteration or damage to the System, service should be performed by your nearest Sears Repair Center. Contact your nearest Sears Retail Store.

* Standard Hardware Item - May Be Purchased Locally

*** Available At Your Nearest Sears Retail Store

For repair of major brand appliances in your own home...
no matter who made it, no matter who sold it!

1-800-4-MY-HOMESM Anytime, day or night
(1-800-469-4663)

www.sears.com

To bring in products such as vacuums, lawn equipment and electronics
for repair, call for the location of your nearest **Sears Parts & Repair Center**.

1-800-488-1222 Anytime, day or night

www.sears.com

For the replacement parts, accessories and owner's manuals
that you need to do-it-yourself, call **Sears PartsDirectSM**!

1-800-366-PART 6 a.m. – 11 p.m. CST,
(1-800-366-7278) 7 days a week

www.sears.com/partsdirect

To purchase or inquire about a Sears Service Agreement:

1-800-827-6655

7 a.m. – 5 p.m. CST, Mon. – Sat.

Para pedir servicio de reparación a domicilio,
y para ordenar piezas con entrega a domicilio:

1-888-SU-HOGARSM
(1-888-784-6427)

Au Canada pour service en français:

1-877-LE-FOYERSM
(1-877-533-6937)

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HomeCentral[™]