

Sears

OWNERS
MANUAL

MODEL NO.
315.11631

CAUTION:
Read Rules for
Safe Operation
and Instructions
Carefully

CRAFTSMAN®

SANDER

DUAL MOTION DOUBLE INSULATED

Introduction
Operation
Repair Parts



Sold by SEARS, ROEBUCK AND CO., Chicago, IL 60684 U.S.A.
and SIMPSON-SEARS LIMITED, Toronto, Ontario, Canada

IF THIS CRAFTSMAN SANDER FAILS TO GIVE COMPLETE SATISFACTION WITHIN ONE YEAR FROM THE DATE OF PURCHASE, RETURN IT TO ANY SEARS STORE THROUGHOUT THE UNITED STATES AND CANADA, AND IT WILL BE REPLACED FREE OF CHARGE.

SEARS, ROEBUCK AND CO. and SIMPSON'S-SEARS LTD.

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 the 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.

Your sander is suitable for coarse, medium and fine sanding of wood, plasters, metals and plastics. It is ideal when used for leveling wallboard, finishing cabinets and many other general sanding applications. It may also be used as a polisher when using a polishing pad instead of sandpaper. Your sander will produce a fine scratch free finish when used with or against the grain and is designed for sanding flush to corners.

The dual motion feature with which your sander is equipped is ideal for any sanding operation where a pad sander is required. Orbital motion is ideal for fast cutting action when removing old finishes, smoothing rough wood, cutting stock down to required dimensions or for finishing surface to be painted. Straight line is best for fine finish sanding on work to be stained or varnished or for use with a polishing pad.

RULES FOR SAFE OPERATION

1. **KNOW YOUR POWER TOOL** — Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards peculiar to this tool.
2. **GROUND ALL TOOLS — UNLESS DOUBLE-INSULATED.** If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If adapter is used to accommodate two-prong receptacle, the adapter wire must be attached to a **known** ground. (Usually the screw securing receptacle cover plate). **Never** remove third prong.
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 AWAY.** All visitors should be kept safe distance from work area.
7. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, high or locked-up place—out of 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.
10. **WEAR PROPER APPAREL.** No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.
11. **USE SAFETY GLASSES** with most tools. Also face or dust mask if cutting operation is dusty.
12. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
13. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
14. **DON'T OVERREACH.** Keep proper footing and balance at all times.
15. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
16. **DISCONNECT TOOLS.** When not in use, before servicing; when changing attachments, blades, bits, cutters, etc.
17. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
18. **AVOID ACCIDENTAL STARTING.** Don't carry plugged-in tools with finger on switch. Be sure switch is off when plugging in.
19. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords suitable for use outdoors and so marked.

OPERATION

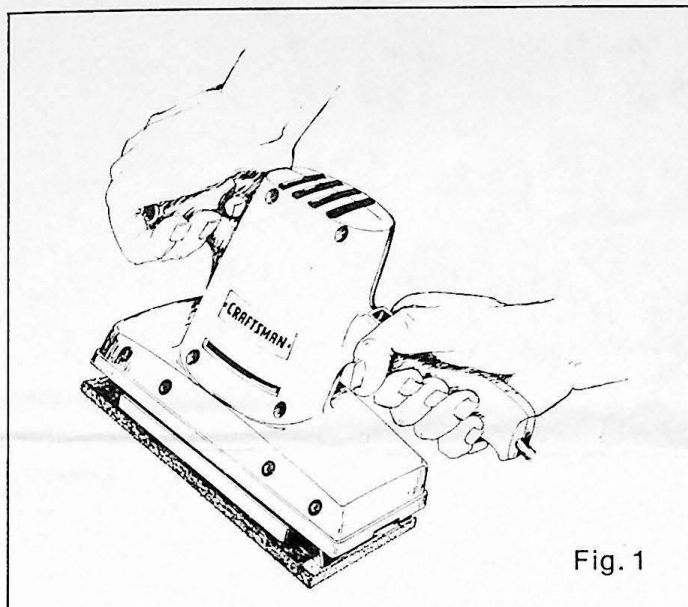


Fig. 1

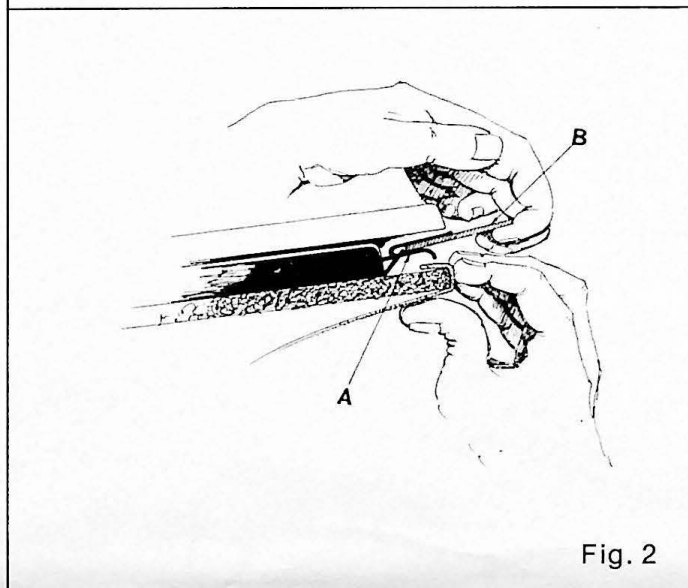


Fig. 2

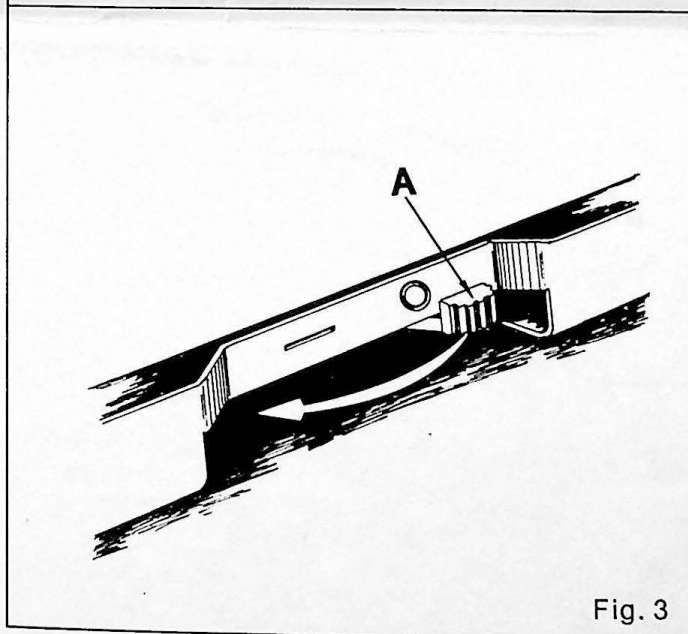


Fig. 3

Your sander is equipped with its own built-in auxiliary handle located at the front of the unit. This handle allows for two-hand use which will aid in maintaining complete control and keeping sanding area level with work piece. (See Fig. 1)

SANDPAPER SELECTION

Selecting the correct size and type sandpaper is an extremely important step in achieving a high quality sanded finish. Aluminum oxide, silicone carbide and other synthetic abrasives are best for power sanding. Other natural abrasives, such as flint and garnet sandpaper are too soft for economical use in power sanding. In general, coarse grit will remove the most material and finer grit will produce best finish in all sanding operations. The condition of the surface to be sanded will determine which grit sandpaper will do the job. If the surface is rough, start with a coarse grit paper sanding until surface is uniform. Medium grit paper may then be used to remove scratches left by the coarser paper and finer grit paper used for finishing of the surface. Always continue sanding with each grit paper until surface is uniform.

INSTALLING SANDPAPER

Disconnect sander from power supply.

1. Raise sandpaper retainer (A) with lever (B). See Figure 2.
2. Insert end of sandpaper approximately $\frac{1}{2}$ inch beyond front edge of retainer.
3. Release sandpaper retainer and apply downward pressure to conform sandpaper to platen.
4. Wrap sandpaper around cushion, raise the sandpaper retainer on the opposite end of sander, and insert loose end of sandpaper under retainer. Fit sandpaper against cushion as tight as possible.
5. Release sandpaper retainer and again apply downward pressure to form the sandpaper.

MOTION SELECTION

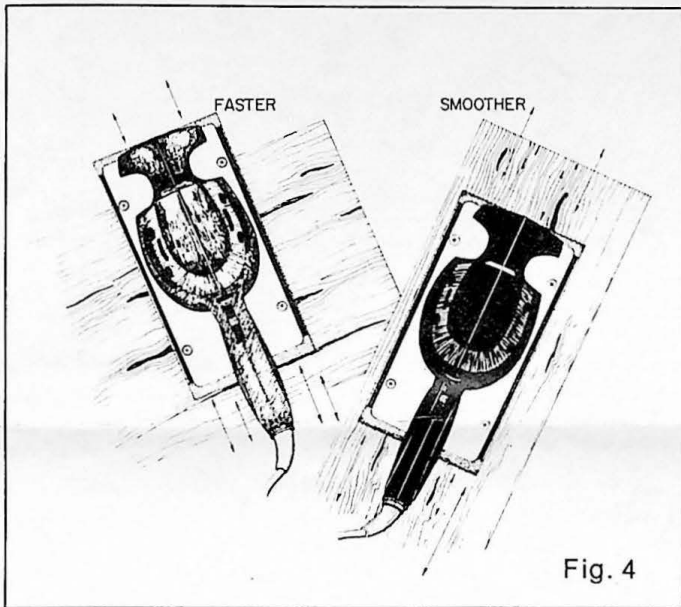
The dual motion feature of your sander with its readily accessible slide lever for quick motion setting provides required motion for any sanding application. If your particular requirement is fast cutting action for removing old finishes, smoothing rough wood, cutting stock down to required dimensions or for sanding of surfaces to be painted, orbital motion is best suited. For fine finish sanding on work to be stained or varnished and for use with polishing pad, straight line motion is ideal.

SETTING MOTION

Disconnect sander from power supply.

1. Do not change motion setting while unit is operating.
2. For orbital motion slide lever (A) toward the 0 mark on platen as far as possible. See Figure 3.
3. For straight line motion slide lever (A) toward the — mark on platen as far as possible.

OPERATION (CONTINUED)



While holding your sander firmly in front of and clearly away from you, with the sanding surface clear of any foreign material, slide switch starting sanding action. Place the sander gently onto the work and move slowly using forward and backward strokes. **DO NOT FORCE.** The weight of the unit supplies adequate pressure, so let the sanding sheet and sander do the work. Applying additional pressure only slows the motor, rapidly wears sandpaper and greatly reduces speed. Excessive pressure will overload the motor causing possible damage from motor overheating and can result in inferior work as any finish or resin on wood may soften from the frictional heat. Sanding with the grain of wood gives the smoothest finish while sanding against the grain results in faster sanding. (See Fig. 4) The sander can move the length of the entire surface, however, do not allow sanding on one spot too long as its rapid action may remove too much material making the surface uneven. Always remove sander from work piece before sliding switch into "Off" position stopping sanding action.

GENERAL

WHEN SERVICING USE ONLY IDENTICAL REPLACEMENT PARTS

Only the parts shown outside Section A on page five are intended to be repaired or replaced by the customer. Parts listed in Section A represent an important part of the double insulation system and should be serviced only by a qualified 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.

When electric tools are used on fiberglass boats, sports cars, etc., 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 continuous production work on any fiberglass material. During any use on fiberglass it is extremely important that the tool is cleaned frequently by blowing with an air jet.

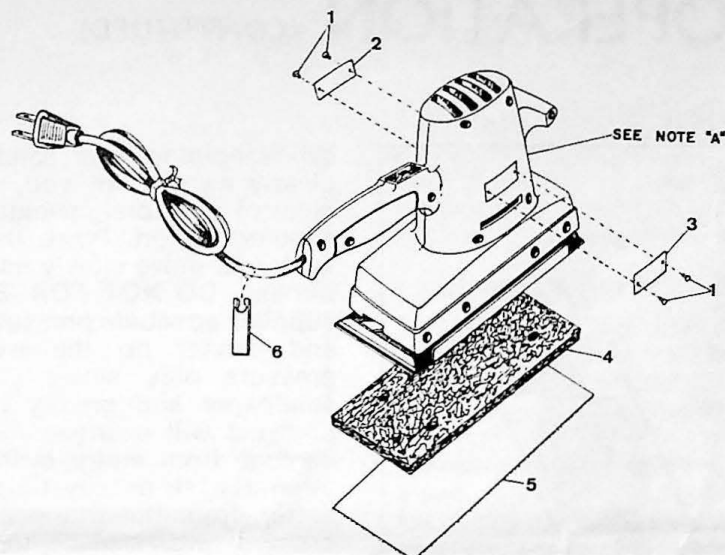
EXTENSION CORDS

The use of any extension cord will cause some loss of power. To keep the loss to a minimum and to prevent tool overheating, use minimum 16 A.W.G. wire size for extension cord lengths from 25 to 100

feet. When tool is used outdoors, use only extension cords suitable for outdoor use and so marked. Extension cords are available at Sears Catalog Order or Retail Stores.



The operation of any power tool can result in foreign objects being thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields before commencing power tool operation. We recommend Wide Vision Safety Mask for use over spectacles, or standard safety glasses . . . available at Sears retail or catalog stores.



SEE BACK PAGE FOR PARTS ORDERING INSTRUCTIONS

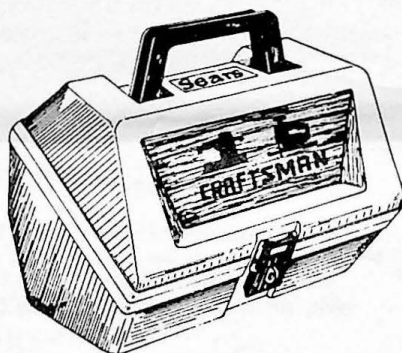
PARTS LIST

Key No.	Part Number	Description	Quan.
1	1-795247-06	Drive Screw	4
2	2-616728-01	Logo Plate	1
3	2-610012-01	Data Plate	1
4	2-616759-01	Cushion	1
5	*	Sandpaper	1
6	2-607806-03	Lever	1
	2-620263-669	Instruction Sheet	

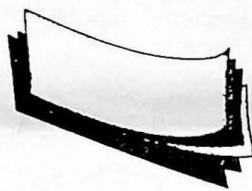
NOTE: "A"—The assembly shown represents an important part of the Double Insulated System. To avoid the possibility of alteration or damage to the System, service should be performed by your nearest Sears Electric Motor Shop/Specialty Repair Center. Contact your nearest Catalog Order or Retail Store.

*Complete Assortment Available At Your Nearest Catalog Order or Retail Store

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



CARRYING CASE
Cat. No. 9 1452



ASSORTED SANDING SHEETS
Cat. No. 9 25131 Fine
Cat. No. 9 25132 Medium
Cat. No. 9 25133 Coarse
Cat. No. 9 25134 X-Coarse



CORD LOCK
Cat. No. 9 2595



LAMB'S WOOL
POLISHING PAD
Cat. No. 9 2530

SHEETS IDEAL FOR ORBITAL
SANDING
Cat. No. 9 67645 Fine
Cat. No. 9 67646 Medium
Cat. No. 9 67647 Coarse

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

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MANUAL

MODEL NO.
315.11631

HOW TO ORDER
REPAIR PARTS

CRAFTSMAN®

SANDER

DUAL MOTION

DOUBLE INSULATED

The Model Number will be found on the plate attached to the housing. Always mention the Model Number when requesting service or repair parts for your Sander.

All parts listed herein may be ordered from any SEARS, ROEBUCK AND CO. or SIMPSON-SEARS LIMITED retail or catalog store. If the parts you need are not stocked locally, your order will be electronically transmitted to a Sears Repair Parts Distribution Center for expedited handling.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- | | |
|---------------------|------------------|
| 1. PART NUMBER | 3. MODEL NUMBER |
| 2. PART DESCRIPTION | 315.11631 |
| | 4. NAME of ITEM— |
| | Sander |

Your Sears merchandise takes on added value when you discover that Sears has over 2000 Service Units throughout the country.