



DETAIL SANDER

Operator's Manual

SAVE THIS MANUAL

You will need this manual for safety instructions, operating procedures and warranty.

Put it and the original sales receipt in a safe dry place for future reference.

For questions about this product, Please call 1-866-915-8626

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using electric tools, machines or equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury.



READ ALL INSTRUCTIONS BEFORE USING THIS TOOL

- 1. KEEP WORK AREA CLEAN.** Cluttered areas can cause injuries.
- 2. CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp, wet, or poorly lit locations. Don't expose tools to the rain. Keep the work area well lit. Don't use tools in the presence of flammable gases or liquids.
- 3. KEEP CHILDREN AND BYSTANDERS AWAY.** All children should be kept away from the work area. Don't let them handle machines, tools or extension cords. Bystanders can be a distraction and can be injured.
- 4. GROUNDED TOOLS** must be plugged into an outlet that is properly installed and grounded. Grounding provides a low-resistance path to carry electricity to the ground away from the operator, should the tool malfunction electrically. Do not remove the grounding prong from the plug or alter the plug in any way. If in doubt as to whether the outlet is properly grounded according to code, check with a qualified electrician.
- 5. OBSERVE PROPER PRECAUTIONS REGARDING DOUBLE INSULATION.** This tool is double insulated. It is equipped with a polarized plug. One blade is wider than the other, so it will fit into a polarized outlet only one way. If you have difficulty inserting the plug, try reversing it. If it still doesn't fit, do not alter the plug; have a qualified electrician install a polarized outlet.
- 6. GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces: pipes, radiators, ranges, and refrigerator enclosures. When your body is grounded the risk of electric shock increases. When working wherever "live" electrical wires may be encountered, try to ascertain whether there is a danger of shock. **DO NOT TOUCH ANY METAL PARTS OF THE TOOL** while using it. Hold the tool only by the plastic grip to prevent electric shock if you contact a live wire.
- 7. DO NOT MISUSE THE CORD.** Never carry your tools by the cord or pull on the cord to unplug it. Protect the cord from potential sources of damage: heat, oil & solvents, sharp edges, or moving parts. Replace damaged cords immediately.
- 8. WHEN WORKING OUTDOORS, USE AN OUTDOOR-RATED EXTENSION CORD.** An extension cord rated for outdoor use must be marked "W-A" or "W".
- 9. DO NOT EXPOSE ELECTRICAL POWER TOOLS TO MOISTURE.** Rain or wet conditions can cause water to enter the tool and lead to electric shock.
- 10. ENSURE THE EXTENSION CORD YOU USE IS OF SUFFICIENT GAUGE FOR ITS LENGTH.**



Recommended Minimum Wire Gauge for Extension Cords						
Amps from Tool Nameplate	25' length	50' length	75' length	100' length	150' length	200' length
0-5 amps	16 ga.	16 ga.	16 ga.	14 ga.	12 ga.	12 ga.
5.1-8 amps	16 ga.	16 ga.	14 ga.	12 ga.	10 ga.	Do Not Use
8.1-12 amps	14 ga.	14 ga.	12 ga.	10 ga.	Do Not Use	Do Not Use
12.1-15 amps	12 ga.	12 ga.	10 ga.	10 ga.	Do Not Use	Do Not Use
15.1-20 amps	10 ga.	10 ga.	10 ga.	Do Not Use	Do Not Use	Do Not Use

- 11. STORE IDLE EQUIPMENT.** Store equipment in a dry area to inhibit rust. Equipment also should be in a high location or locked up to keep out of reach of children.
- 12. DON'T FORCE THE TOOL.** It will do the job better and more safely at the rate for which it was intended.
- 13. USE THE RIGHT TOOL.** Don't force a small tool or attachment to do the work of a larger industrial tool. Don't use a tool for a purpose for which it was not intended.
- 14. DRESS PROPERLY.** Don't wear loose clothing or jewelry; they can be caught in moving parts. Protective, non-electrically conductive gloves, protective eyewear and non-skid footwear are recommended. Wear protective hair covering to contain long hair and keep yourself from harm.

IMPORTANT SAFETY INSTRUCTIONS



15. **USE EYE PROTECTION.** Use a full-face mask if the work you're doing produces metal filings, dust or wood chips. Goggles are acceptable in other situations. Wear a clean dust mask if the work involves creating a lot of fine or coarse dust.
16. **SECURE WORK.** Use clamps or a vise to hold the work, this frees both hands to operate the tool.
17. **DON'T OVERREACH.** Keep proper footing and balance at all times. Do not reach over or across machines that are running.
18. **MAINTAIN TOOLS.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. For safe performance. Keep handles dry, clean and free from oil and grease.
19. **AVOID UNINTENTIONAL STARTING.** Be sure the switch is in the **OFF** position before plugging in.
20. **ALWAYS CHECK AND MAKE SURE TO REMOVE ANY ADJUSTING KEYS OR WRENCHES** before turning the tool on. Left attached, these parts can fly off a moving part and result in injury.
21. **DO NOT USE THE TOOL IF IT CANNOT BE SWITCHED ON OR OFF.** Have your tool repaired before using it.
22. **DISCONNECT THE PLUG FROM THE POWER SOURCE BEFORE MAKING ANY ADJUSTMENTS.** Changing attachments or accessories can be dangerous if the tool could accidentally start.
23. **STAY ALERT.** Watch what you are doing & use common sense. Don't operate any tool when you are tired.
24. **CHECK FOR DAMAGED PARTS.** Before using this tool, any 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, mountings, and other conditions that may affect its operation. Inspect screws and tighten any ones that are loose. Any part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in the instruction manual. Have defective switches replaced by an authorized service center. Don't use the tool if switch does not turn it on and off properly.
25. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.
26. **SERVICE AND REPAIRS** should be made by qualified repair technicians at an authorized repair center. Improperly repaired tools could cause serious shock or injury.

SAFETY PRECAUTIONS FOR DETAIL SANDER



- *Always follow instructions for fitting and changing sandpaper*
- *Do not put undue pressure on the sander such that it slows down.*
- *After switching off, always wait until the sander has stopped before putting it down.*
- *Do not expose this tool to water or liquids. The abrasive pads, steel wool pad, and polishing pad are not intended for wet use.*

SPECIFICATIONS

- Voltage: 120 Volts AC, 60Hz
- Current Rating: 0.8 Amp
- No load speed: 12,000 OPM
- Dust-sealed front rocker switch
- Sanding sheet size: 3-3/4" X 5-1/2"
- Includes 3 pcs. sanding paper (80,120,180)



FUNCTIONAL DESCRIPTION

1. Dust-sealed on/off switch
2. Sanding base
3. 1-1/4" vacuum adapter



OPERATING PROCEDURES

INSTALLING SANDPAPER

WARNING: *Unplug the sander before replacing sandpaper.*



The Detail Sander comes complete with a 5 hole hook and loop style mounting system. The palm sander's sanding sheets will be affixed to the sander's base without the use of clamps.

Connect the sanding sheet to the sanding plate:

Turn the tool upside down. Next, align the sanding sheet with the sander's base and press the sanding sheet firmly into place. Confirm that the holes punched in the sanding sheet match the dust holes in the sanding plate. Holes must match for the dust system to work properly.

To remove the sanding sheet, carefully peel the sanding sheet away from the sanding plate.

NOTE: *Check the sandpaper regularly for tears, cracking, and other damage. Damaged paper can allow the pad beneath to be damaged. Because of the operator vigilance required, the pad is considered a consumable part and is not covered under warranty.*



RUNNING THE TOOL

1. Identify the item you wish to sand or polish and choose the proper grit sandpaper or abrasive pad best suited for the job. If preparing wood for painting or removing paint, use a course grit sanding sheet. Use a fine grit for finishing work.
2. Secure the item to be sanded. Make sure that the sanding sheet is firmly fixed to the sander.
3. With the sander not in contact with the workpiece, press the Switch to the "ON" position.
4. Carefully place the palm Sander onto the workpiece and begin sanding.

WARNING: *Do not sand any area too heavily or for more than a few seconds at a time. Apply even pressure in a random pattern over the entire surface.*



OPERATING PROCEDURES

5. To sand down profiles and grooves, use the point or edge of the sander base.
6. Every few minutes, check the condition and wear of the sanding sheet. Replace if necessary.



WARNING: *Do not use torn or severely worn sandpaper. You may damage your work surface or suffer physical injury.*



7. When you are done sanding the desired area, remove the sander from the work surface before turning the sander OFF.

CONTROL THE DUST IN THE WORKPLACE.

For dust collection to work, the five dust extraction holes must be aligned properly between the sanding sheets and sanding pad. Using the dust extraction feature of the sander also helps prevent the sandpaper from loading quickly with sawdust. At the back of your sander, you can attach a 1-1/4" vacuum adapter with a 1-1/4" ID hose.

Note: Vacuum hose is sold separately.

SANDING

Use a grade of sandpaper that will make finer marks than those already on the surface. Too coarse a grade will not make the surface smoother while too fine a grade will remove scratches too slowly, or not at all. Continue using finer grades of sandpaper until you obtain the desired finish.

When removing old paint, determine how much paint really needs to be removed. Consider that old paint may well be toxic and will have to be treated with the respect due any toxic material both on the part of the tool operator and environment. Wear appropriate breathing protection and dispose carefully of dust or chips left after sanding.

MAINTENANCE

1. Keep the vents clear of dust and debris. This will help prevent possible electrical shorts and ensure proper cooling.
2. Keep the tool housing clean and free of oil and grease by using mild soap and a damp (not wet) cloth.
3. Inspect the cord regularly and have it replaced by an authorized repair facility if it is damaged.
4. Lubrication for this tool is done at the factory and should not be necessary again under normal use.
5. An authorized repair center should do any repairs, modification, or maintenance that involves disassembling the tool.
6. Any damage to the tool should be corrected at an authorized repair center.

CLEANING

Use mild soap and a damp cloth to clean the sander. Do not use gas, turpentine, lacquer, paint thinners which could damage the plastic casing. Do not allow liquids to get inside the sander. Never immerse the sander in liquid.

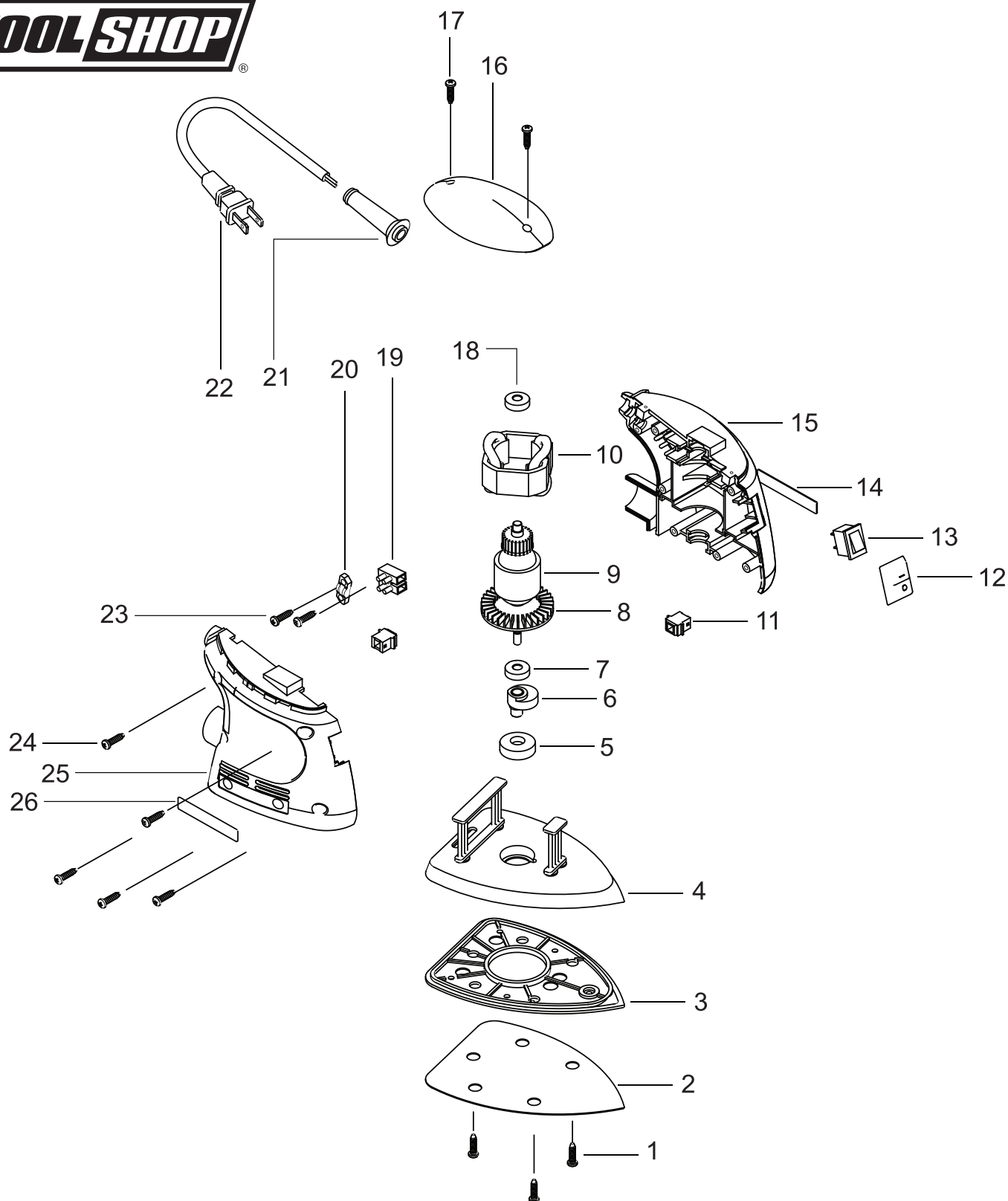
PARTS LIST



Please refer to the schematic drawing on page 7.

ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	Screw	14	Label
2	Sand paper	15	Left housing
3	Sanding plate	16	Rubber cover
4	Base support	17	Screw
5	Bearing	18	Bearing
6	Bushing	19	Terminal block
7	Bearing	20	Cord clamp
8	Fan	21	Cord guard
9	Rotor	22	Power cord
10	Stator	23	Screw
11	Brush holder	24	Screw
12	Switch cover	25	Right housing
13	Switch	26	Label

SCHEMATIC DRAWING



WARNING: Repairs should be made by an authorized repair center. Do not open or disassemble this power tool. Contact at 1-866-915-8626 for questions regarding this power tool.

TOOL SHOP® DETAIL PALM SANDER WARRANTY

1-YEAR LIMITED WARRANTY:

This TOOL SHOP® brand power tool carries a 1-Year Limited Warranty to the original purchaser. If, during normal use, this TOOL SHOP® tool fails due to a defect in material or workmanship within one (1) year from the date of purchase, simply bring this tool with your original sales receipt back to your nearest MENARDS® retail store. At its discretion, TOOL SHOP® agrees to have the tool replaced with the same or similar TOOL SHOP® product free of charge, within the stated warranty period, when returned by the original purchaser with original sales receipt. Notwithstanding the foregoing, this limited warranty does not cover any damage that has resulted from abuse or misuse of the Merchandise. This warranty: (1) excludes expendable parts including but not limited to blades, belts, bits, light bulbs, and/or batteries; (2) shall be void if this tool is used for commercial and/or rental purposes; and (3) does not cover any losses, injuries to persons/property or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state. Be careful, tools are dangerous if improperly used or maintained. Seller's employees are not qualified to advise you on the use of this Merchandise. Any oral representation(s) made will not be binding on seller or its employees. The rights under this limited warranty are to the original purchaser of the Merchandise and may not be transferred to any subsequent owner. This limited warranty is in lieu of all warranties, expressed or implied including warranties or merchantability and fitness for a particular purpose. Seller shall not be liable for any special, incidental, or consequential damages. The sole exclusive remedy against the seller will be for the replacement of any defects as provided herein, as long as the seller is willing or able to replace this product or is willing to refund the purchase price as provided above. For insurance purposes, seller is not allowed to demonstrate any of these power tools for you.

For questions / comments, technical assistance or repair parts –
Please call toll free at: 1-866-915-8626 (M-F 8am – 5pm EST)

SAVE YOUR RECEIPTS. THIS WARRANTY IS VOID WITHOUT THEM.