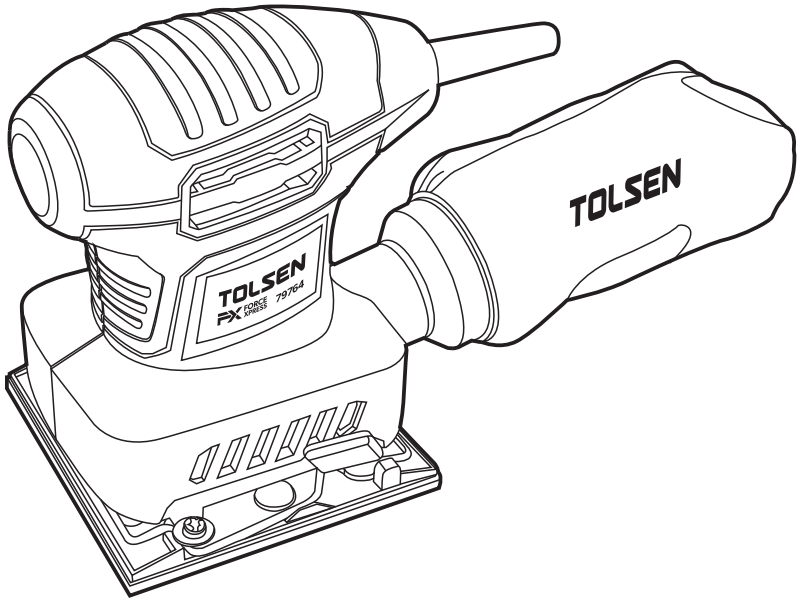
TOLSEN FX FORCE XPRESS

79764
SHEET SANDER

INSTRUCTION MANUAL **120V~60Hz 2A (240w)**



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.

IMPORTANT SAFETY INFORMATION

General Power Tool Safety Warnings

WARNING:

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
4. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
5. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
6. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
7. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
8. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
9. If operating a power tool in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply. Use of a GFCI reduces the risk of electric shock
10. Grounded tools require a three wire extension cord. Double Insulated tools can use either a two or three wire extension cord.

Recommended Minimum Wire Gauge for Extension Cords					
NAMEPLATE AMPERES (at full load)	7.62 m 25' long	15.24 m 50' long	22.86 m 75' long	30.48 m 100' long	45.72 m 150' long
0 - 5 Amps	18	18	16	14	12
5.1- 8 Amps	18	16	14	12	12
8.1 - 12 Amps	16	14	12	10	Do Not Use
12.1 - 15 Amps	14	12	10	Do Not Use	Do Not Use
15.1 - 20 Amps	12	10	Do Not Use	Do Not Use	Do Not Use

11. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
12. Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
13. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
14. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
15. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
16. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
17. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust-related hazards.
18. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.
19. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
20. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
21. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
22. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
23. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
24. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
25. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power

tool for operations different from those intended could result in a hazardous situation

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.

Sander Safety Warnings

1. Make sure that the ventilation slots are not obstructed.
2. Use the type of abrasive sheet suitable for the type of work to be performed.
3. Never use oversized sanding tools.
4. Never use damaged or worn abrasive sheets, or sheets that do not adhere firmly to the sanding pad.
5. Never place your hand or fingers near the sanding pad while the sander is running.
6. Keep the power cord well away from the work area.
7. Do not use the sander to machine magnesium part.
8. When using a handheld power tool, maintain a firm grip on the tool with both hands to resist starting torque.
9. Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.
10. Do not leave the tool unattended when it is plugged into an electrical outlet. Turn off the tool, and unplug it from its electrical outlet before leaving.
11. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
12. Regularly clean the power tool's air vents. The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
13. Do not operate the power tool near flammable materials. Sparks could ignite these materials.
14. Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.
15. This product is not a toy. Keep it out of reach of children.
16. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

SPECIFICATIONS

Electrical Rating	120VAC / 60Hz / 2.0A
No Load Speed	13,000 OPM
Sandpaper Pad	4"W x 4-1/2" L
LpA (Sound pressure level)	LpA: 86dB(A) K=3dB(A)
LwA (Sound power level)	LwA: 96dB(A) K=3dB(A)
Vibration level	17.9m/s^2 K=1.5 m/s^2

Note: Symbology

	Double Insulated
	WARNING mark concerning Risk of Eye Injury. Wear ANSI-approved safety goggles with side shields
	Read the manual before set-up and/or use.

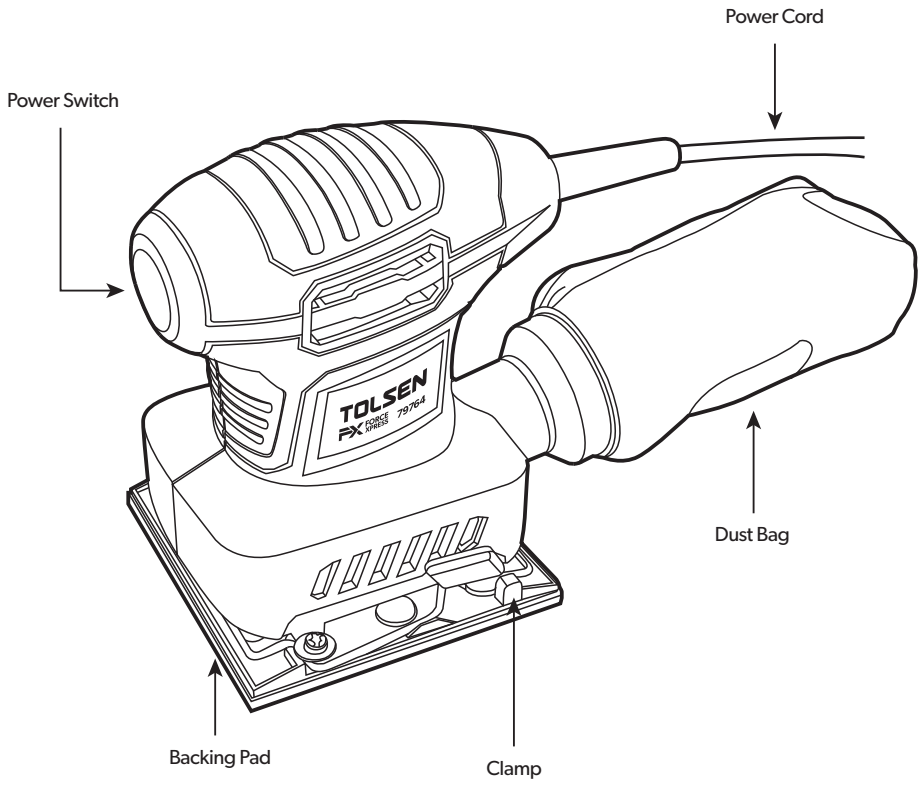
SETUP

Before Use

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

WARNING:
TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Make sure that the power Switch is in the off-position and unplug the tool from its electrical outlet before adjusting the tool or installing accessories.

Functions

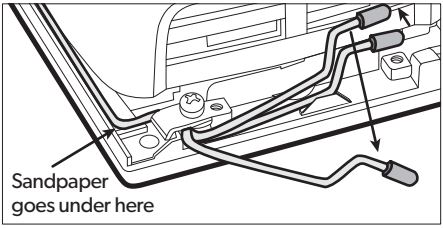


Assembly of a dust collector

1, Use a dust extraction device suitable for the material.
2, Insert the connection adapter into the outlet of the sander.
3, For the suction of dust particularly harmful to health, carcinogenic or dry, use specific vacuums.
4, After completing the work, empty the dust collection bin.

Attaching Sandpaper to the Backing pad

The Sandpaper can be assembled on sander by clamp lever and Hook and Loop.



1. Press the tab on the Clamps inward on both sides of the unit and swing the clamps on both sides up, out, and down until the clamp is fully opened.
2. Cut the sandpaper to fit the 4" W x 4-1/2" L Pad, with a little extra to overlap and fit under the Clamps. Do not use torn or frayed sandpaper.
3. Insert one short edge of the sandpaper under the clamp. Push edge squarely up against the flat wall of the platen and close the paper clamp on that side.
4. Wrap the sandpaper around to fit the other edge under the opposite paper clamp.
5. Push as much paper under the second clamp as possible before securing the paper clamp. Any slack in the paper will reduce sanding performance.
6. Place the sandpaper on the Backing Pad lining up the 8 holes so that the dust can be collected into the Dust Bag.

GENERAL OPERATING INSTRUCTIONS

1. Make sure that the Switch is in the off-position, then plug in the tool.
2. Turn on the Switch.
3. Run the Sander for a few seconds before contacting the workpiece.
4. Contact the workpiece with minimal pressure. Use sandpaper with a lower grit number to remove material faster.
   Note: All orbital sanders leave sanding marks on the workpiece. To minimize sanding marks, always try to sand with the grain of the wood.
5. Occasionally check the sandpaper for tears, wear, or fraying. Replace if necessary.
6. Let the tool to run empty for a few minutes after a strong load to cool the power tool.
7. Empty the dust bag frequently and after use.

WARNING:
Allow the tool to come to a complete stop before setting it down. Unplug the tool. Clean, then store the tool indoors out of children's reach.

MAINTENANCE AND SERVICING

WARNING:
TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION: Turn off the switch and unplug the tool from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.
TO PREVENT SERIOUS INJURY FROM TOOL FAILURE: Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

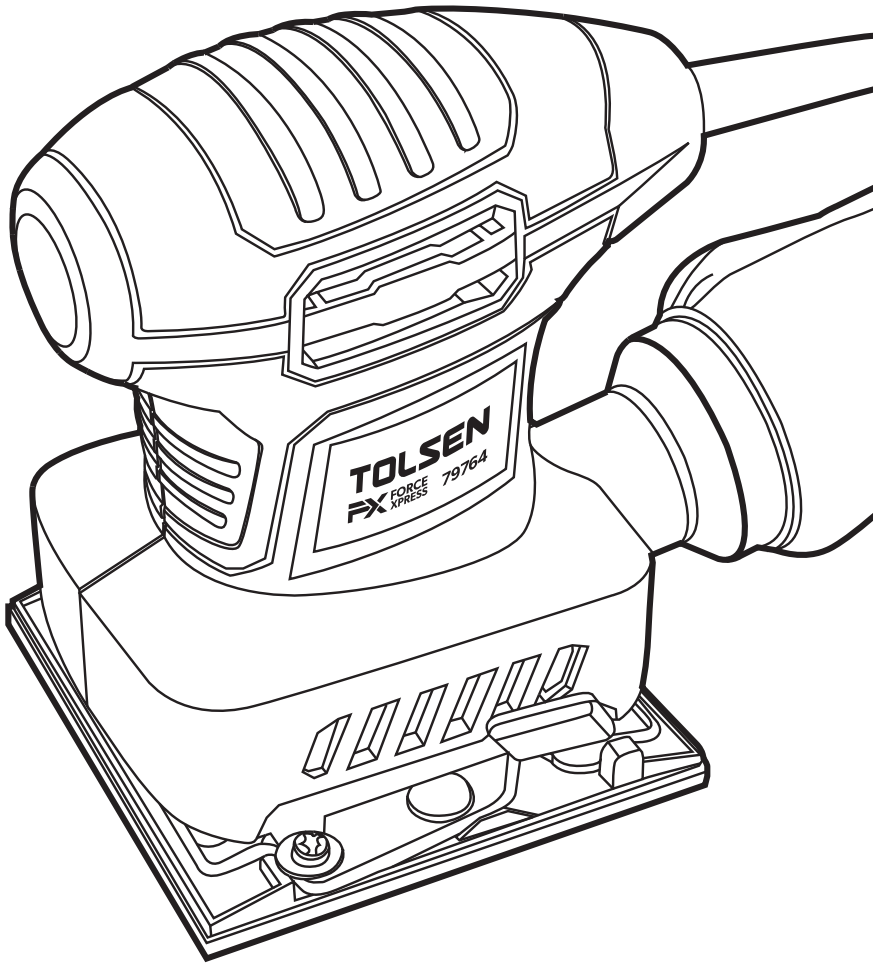
Cleaning, Maintenance, and Lubrication

1. BEFORE EACH USE, inspect the general condition of the tool. Check for:
   • loose hardware,
   • misalignment or binding of moving parts,
   • cracked or broken parts,
   • damaged electrical wiring,
   • any other condition that may affect its safe operation.
   WARNING:
   If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.
2. AFTER USE, wipe external surfaces of the tool with clean cloth.
3. TO CLEAN: The ventilation openings should be kept clean and free of dirt and debris. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator before cleaning ducts. The most effective way to clean the ventilation openings is with compressed air.
4. CARBON BRUSH MAINTENANCE. The carbon brushes may require maintenance when the motor performance of the tool decreases or stops working completely.
   CAUTION:
   The carbon brushes must be replaced by a pair similar carbon brush available through the after-sales service organization or qualified professional person.
   The brushes must always be replaced in pairs.
5. If you discover any damage, consult the exploded drawing and parts list to determine exactly which replacement part you need to order from our customer service department.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool will not start.	1. Cord not connected. 2. No power at outlet. 3. Tool's thermal reset breaker tripped (if equipped). 4. Internal damage or wear. (Carbon brushes or switch, for example.)	1. Check that cord is plugged in. 2. Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads. 3. Turn off tool and allow to cool. Press reset button on tool. 4. Have technician service tool.
Tool operates slowly.	1. Excess pressure applied to workpiece. 2. Power being reduced by long or small diameter extension cord.	1. Decrease pressure, allow tool to do the work. 2. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See General Power Tool Safety Warnings section.
Performance decreases over time.	Carbon brushes worn or damaged.	Have qualified technician replace brushes.
Excessive noise or rattling.	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have technician service tool.
Overheating.	1. Forcing tool to work too fast. 2. Blocked motor housing vents. 3. Motor being strained by long or small diameter extension cord.	1. Allow tool to work at its own rate. 2. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air. 3. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See General Power Tool Safety Warnings section.
Tool does not sand effectively.	Sanding disc damaged, worn or wrong type for the material.	Check condition and type of sanding disc. Use only proper type of sanding disc in good condition.

WARNING:
Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.



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