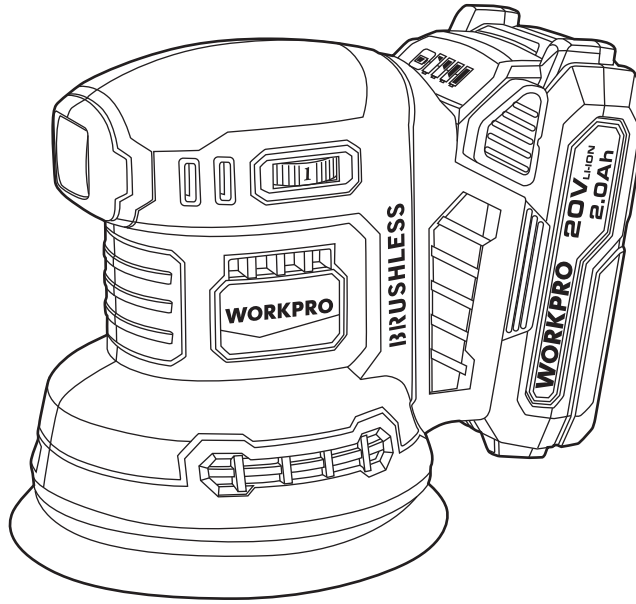
W125228A

WORKPRO

20V BRUSHLESS CORDLESS RANDOM ORBITAL SANDER
ORIGINAL OPERATING INSTRUCTION



Thank you for buying a WORKPRO Burshless cordless random orbit sander. Your new sander has been engineered and manufactured to WORKPRO's high standard for dependability, ease of operation, and operator safety. Properly cared for, it will give you years of rugged, trouble-free performance.

WARNING: To reduce the risk of injury, the user must read and understand the operator's manual.

SAVE THIS MANUAL FOR FUTURE REFERENCE

Distributed by :
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Made in China

INTRODUCTION

The equipment is designed for the grinding/sanding of wood, iron, plastic and similar materials using the appropriate grinding/sanding paper. The machine is not suitable for wet grinding/sanding.
The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.
Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

⚠ WARNING:

Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

⚠ WARNING:

For storage, it is suggested to recharge the battery between 50% and 75% charge, and charge the device at least once in 3-6 months to preserve battery lifespan.

SYMBOLS

	To reduce the risk of injury, user must read instruction manual
	Wear ear protection
	Wear eye protection
	Wear dust mask
	Do not expose to rain
	Wear protective gloves
	Wear protective footwear
	Do not burn

	Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.

GENERAL POWER TOOL SAFETY WARNINGS

⚠ Danger!

When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

1. GENERAL POWER TOOL SAFETY WARNING

⚠ WARNING!

Read and understand all 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) Work area safety

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical safety

- **Power tool plugs must match the outlet. Never modify the plug in any way.** Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.**There is an increased risk of electric shock if your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **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.
- **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.
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) Personal safety

- **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.
- **Use personal protective equipment.** Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- **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 energising power tools that have the switch on invites accidents.
- **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.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly.** Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

4) Power tool use and care

- **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.
- **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.
- **Disconnect the plug from the power source and/or remove the battery pack, if detachable, 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.

- **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.
- **Maintain power tools and accessories.** 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.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5) Service

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

6) Battery tool use and care

a. **Ensure the switch is in the off position before inserting battery pack.** Inserting the battery pack into power tools that have the switch on invites accidents.

b. **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

c. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.

d. **When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another.**

Shorting the battery terminals together may cause burns or a fire.

e. **Under abusive conditions, liquid may be ejected from the battery; avoid contact.** If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

ADDITIONAL SAFETY INSTRUCTIONS FOR THE CHARGER

Your WORKPRO tool with Lithium Ion batteries may only be charged with the specific designed WORKPRO Lithium Ion battery charger purchased with the tool.

IT IS DANGEROUS TO USE ANY OTHER BATTERY CHARGER TO CHARGE YOUR TOOL. Do not attempt to charge the battery pack with any other charger than the one supplied.

Before using the charger, read all the instructions, labels and cautionary markings on the charger and battery pack as well as the instructions on using the battery pack.

Do not use the charger if it has been subjected to a heavy knock, dropped or otherwise damaged in anyway. Take the charger to an authorised service centre for a check or repair.

Do not disassemble the charger. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when you use the tool or charger again. Take the charger to a power tool repair centre when service or repair is required.

⚠ **DANGER.** If the battery pack is cracked or damaged in any other way, do not insert it in the charger.

Do not plug anything other than your WORKPRO tool into the charger, as other objects may touch dangerous voltage points or short out parts, which could result in fire or electric shock.

Do not place the tool or charger on an uneven surface, as a fall may cause serious damage.

Never place the tool or charger near or over a heat source such as a radiator or heater.

Do not operate the charger in a cabinet or other enclosure unless proper ventilation is provided.

Use the battery charger indoors only.

⚠ **WARNING.** Do not allow any liquid to come into contact with the charger. There is a danger of electric shock. Do not position the tool or battery charger near water; for example, near a sink, wash bowl or toilet. Do not spill liquid of any kind on the tool or charger. Doing so may short out parts, Causing damage to the product and creating the risk of fire or electric shock.

To reduce the risk of an electric shock, unplug the charger from the power supply before attempting to clean it. To clean tool or charger, wipe with a damp cloth. Use of any other cleaners is not recommended.

GENERAL POWER TOOL SAFETY WARNINGS

Do not place any object on to, or allow anything to rest on the charger.

Make sure that the charger cable is positioned where it will not be stepped on, tripped over or otherwise subjected to damage or stress. Keep the lead away from operating machinery.

Do not pull on the lead of the charger to disconnect it from the mains power socket.

Do not use an extension cord unless it is absolutely necessary. The use of an improper extension cord could cause the risk of fire, electric shock or electrocution.

Never attempt to connect two chargers together.

Do not charge batteries or use the tool and battery pack in locations where the temperature may be below 40°F(4°C) or exceed 104°F(40°C) such as alongside sheds or metal structures.

If you wish to charge a second battery pack, unplug the charger from the mains supply and leave it for at least 15 minutes. After this time you can charge a second battery pack.

ADDITIONAL SAFETY INSTRUCTIONS RELATED TO THE BATTERY PACK AND BATTERY SAFETY

Use only the WORKPRO batteries supplied with the WORKPRO Tool or WORKPRO-approved replacements.

Do not use the battery to power any device other than the WORKPRO tool it was sold with.

Charge the battery only with the WORKPRO charger supplied with the tool or WORKPRO-approved replacements and according to the instructions in the WORKPRO Instruction Manual.

Do not charge the battery in a place where static electricity is generated nor let the battery touch something that is statically charged.

The battery can be stored at temperatures between 40°F(4°C) and 104°F(40°C).

Never store or leave your lithium ion battery in temperatures over that recommended otherwise fire may occur.

DO NOT store the Lithium Ion battery anywhere that the temperature can easily reach higher temperatures than recommended -this includes garden type sheds, and vehicles where the inside temperature can climb to dangerous levels in the direct sunlight and on high temperature days. **THINK BEFORE LEAVING YOUR LITHIUM ION BATTERY PACK IN STORAGE.**

The battery can be charged or operated at temperatures between 40°F(4°C) and 104°F(40°C). **NEVER CHARGE YOU LITHIUM ION BATTERY BELOW OR ABOVE TEMPERATURES RECOMMENDED OTHERWISE FIRE OR SERIOUS DAMAGE TO THE BATTERY PACK MAY OCCUR.**

The most suitable temperatures to charge the battery pack are between 68°F(20°C) -77°F(25°C).

Always allow the battery pack to cool down after charging, do not place it in a hot environment such as a metal shed or open trailer left in the sun.

Take care where the tool is stored. Do not store in areas of corrosive fumes, or salt air or similar conditions. Try and store the tool in the packaging supplied with the tool.

Do not dispose of the battery in a fire or put the battery into a microwave oven, conventional oven, dryer, or high-pressure container. Under these conditions, the battery may explode.

Never attempt to open the battery pack, puncture the battery or subject the battery to strong physical shock.

If the plastic housing of the battery pack breaks open or cracks, immediately discontinue its use and do not recharge it. Ensure the battery pack clip is in good condition and will not allow the pack to fall free from the tool. If the clip is damaged or for any reason is not locking the pack in place, Do Not continue to use.

Stop using the battery if it exhibits abnormal heat, odour, colour, deformation, or is in an abnormal condition.

If you detect leakage or a foul odour, it is especially important to keep the battery away from fire. If battery liquid leaks onto your skin or clothes, wash well with clean water immediately. If liquid leaking from the battery gets into your eyes, do not rub your eyes. Rinse your eyes well (for at least 10 minutes) with clean water, and consult a doctor immediately.

Do not use a leaking battery.

Handle batteries with care to avoid shorting the battery with conducting materials, such as nails, screws, metal watch bands, rings, bracelets, and keys. The battery may overheat and could burn you.

After the battery has reached the end of its useful life, we recommend recycling the materials at your local municipal council recycling centre. DO NOT attempt to replace the battery cells in the battery pack, repair or modify any part of the battery pack assembly.

When recycling, make it nonconductive by applying insulating tape to the terminals located on the battery.

WHEN TO CHARGE THE BATTERY

New batteries are shipped in a low charged condition and should be fully charged before Use. The battery pack can be recharged at any time during use, provided the pack is not overheated.

If the battery pack starts to cut out due to low voltage, or previous tasks undertaken can no longer be performed, it is suggested to stop using the tool and recharge the battery.

For storage, it is suggested to recharge the battery between 50% and 75% charge.Charge the device at least once in 3-6 months to preserve battery life span.

SANDER SAFETY WARNINGS

- **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.** Cutting accessory contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.
- **Know your power tool.** Read operator’s manual carefully. Learn its applications and limitations, as well as the specific potential hazards related to this tool. Following this rule will reduce the risk of electric shock, fire, or serious injury.
- **Always wear eye protection with side shields marked to comply with ANSI Z87.1.** Following this rule will reduce the risk of serious personal injury.
- **Protect your lungs.** Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.
- **Protect your hearing.** Wear hearing protection during extended periods of operation. Following this rule will reduce the risk of serious personal injury.
- **Inspect tool cords periodically and, if damaged, have repaired at your nearest authorized service center.** Constantly stay aware of cord location. Following this rule will reduce the risk of electric shock or fire.
- **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. Following this rule will reduce the risk of shock, fire, or serious injury.
- **Do not use excessively oversized sanding disc paper.** Follow manufacturers recommendations, when selecting sanding paper. Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc or kickback.
- **Do not allow any loose portion of the polishing bonnet or its attachment strings to spin freely.** Tuck away or trim any loose attachment strings. Loose and spinning attachment strings can entangle your fingers or snag on the workpiece.
- **Inspect for and remove all nails from lumber before using this tool.** Following this rule will reduce the risk of serious personal injury.
- If the power supply cord is damaged, it must be replaced only by the manufacturer or by an authorized service center to avoid risk.
- **Save these instructions.** Refer to them frequently and use them to instruct others who may use this product. If you loan someone this product, loan them these instructions also.

SPECIFICATIONS

20V BRUSHLESS CORDLESS RANDOM ORBITAL SANDER	
Sanding Disc Diameter	125mm (4.92")
Orbit Diameter	3mm
No Load Speed	6000-12000 opm
weight	1.07kg (2.36lbs)
BATTERY CHARGER	
Rated voltage	100-120V~, 50-60 Hz
Rated power	70W
Charge voltage	20V
Charge current	2.4A
Protection class	回 / II
BATTERY PACK	
Battery pack type	Li-ion
Rated voltage	Maximum 20V Nominal 18V
Capacity	2000mAh
Charging time	60min

UNPACKING

INSTRUCTIONS

Your sander has been shipped completely assembled.

- Carefully remove the tool and accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the tool carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.

PACKING LIST

- Random Orbit Sander
- Dust Canister
- 2.0Ah battery pack
- Battery pack charger
- Sandpaper (60 grits, 80 grits, 120 grits, 180 grits, 240 grits each 3 pieces)
- Operator's Manual

⚠ 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.

FEATURES

SWITCH

Your sander has a conveniently located rocker switch.

VARIABLE SPEED

The variable speed feature allows you to operate the sander at different speeds.

BACKING PAD

The backing pad on the sander provides the capability to use sanding discs with pressure sensitive adhesivebacking material.

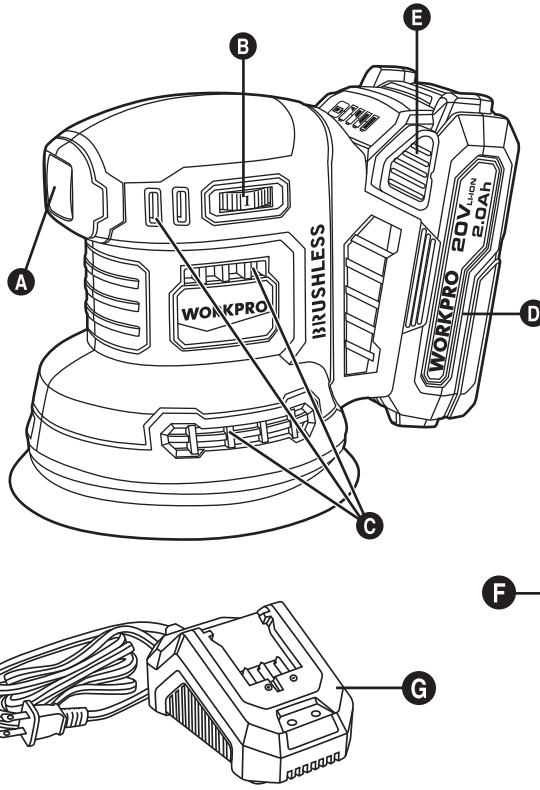
RANDOM ORBIT

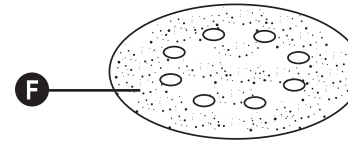
The random orbit motion provides overlapping sanding movements by combining orbital and turning motion. These overlapping sanding movements provide fast cutting action with excellent sanding results.

ERGONOMIC DESIGN

The design of the sander provides for easy handling. It is designed for comfort and ease of grasp when operating in different positions and at different angles.

KNOW YOUR PRODUCT





- **A** On/Off Switch
- **B** Speed Control Switch
- **C** Ventilation Slots
- **D** Battery Pack
- **E** Battery Pack Release Button
- **F** Sanding Disc For Sanding x 15(60 grits, 80 grits, 120 grits, 180 grits, 240 grits each 3 pieces)
- **G** Battery Pack Charger
- **H** Dust Canister
- **I** Battery Capacity Indicator
- **J** Battery Indicator Switch

Fig. 1

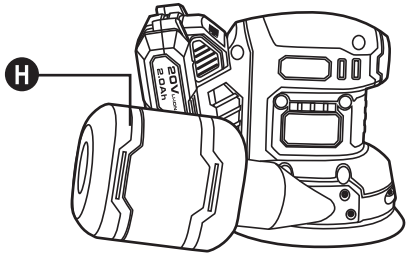


Fig. 2

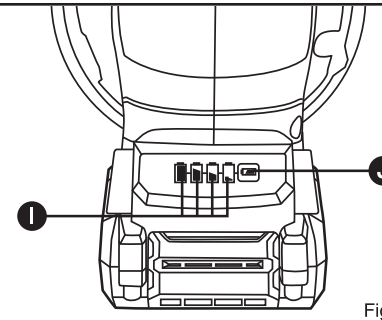


Fig. 3

OPERATION

⚠ WARNING:

Do not allow familiarity with products to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

⚠ WARNING:

Always wear eye protection with side shields marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

⚠ WARNING:

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

⚠ WARNING:

Always keeping the device off, when remove or insert the battery pack.

Battery capacity indicator (Fig. 3)

Press the battery capacity indicator switch (J).The battery capacity indicator (I) shows the charge status of the battery using 4 LEDs.

All 4 LEDs are lit:
The battery is fully charged.

3 or 2 or 1 LED(s) are lit:
The battery has an adequate remaining charge.

1 LED blinks:
The battery is empty, recharge the battery.

All LEDs blink:
The battery pack is too hot (e.g. due to direct sunshine or prolonged use) or too cold (below 32°F/0°C), do not use or charge the battery pack. Make sure the battery temperature to between 40°F(4°C) and 104°F(40°C).

Charging the battery pack (Fig. 4-5)

- Remove the battery pack (D) from the sander, pressing the battery pack release button (E) downwards to do so.
- Check that your mains voltage is the same as that marked on the rating plate of the battery charger. Insert the power plug of the charger(G) into the mains socket outlet. The green LED will then begin to flash.
- Push the battery pack onto the battery charger.

In section **CHARGER INDICATOR**, you will find a table with an explanation of the LED indicator on the charger.

If the battery pack fails to charge, check for the following:

- Voltage at the power socket.
- Whether there is good contact at the charging contacts of the charging unit.

If the battery pack still fails to charge, contact with our online customer service center.

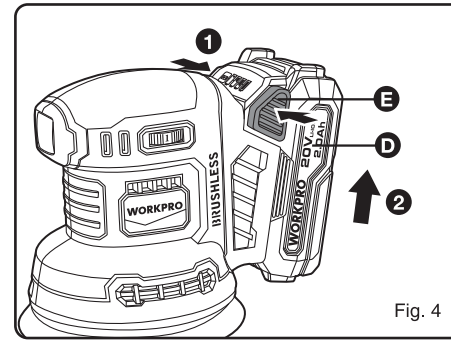


Fig. 4

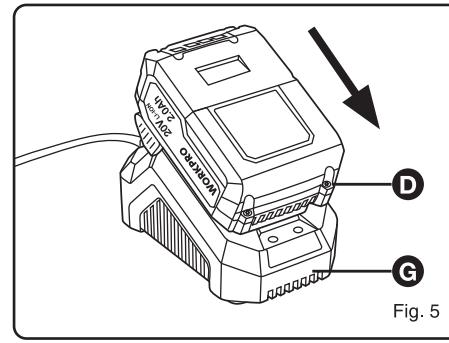


Fig. 5

TURNING THE SANDER ON/OFF

See Figure 6.

Follow these directions to switch the sander on and off.
Press the rocker switch to "I" to switch the sander on.
Press the rocker switch to "O" to switch the sander off.

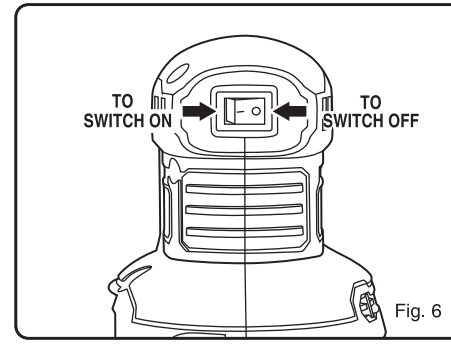


Fig. 6

OPERATION

ADJUSTING THE SPEED

See Figure 7.

The variable speed feature allows the sander to operate at speeds that can be adjusted by rotating the dial from 1 to 6. The dial is conveniently located on the motor housing, allowing operator control of disc speed.

Follow these directions to adjust the speed.

- *To increase the speed*: Turn the dial to a higher setting (towards 6).
- *To decrease the speed*: Turn the dial to a lower setting (towards 1).

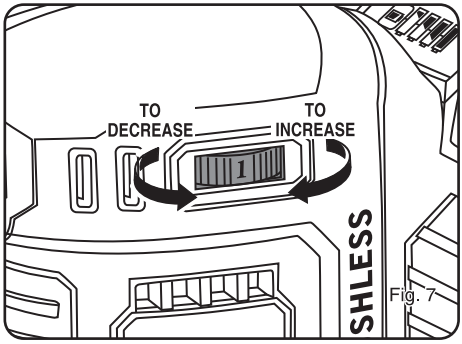


Fig. 7

SELECTING SANDING DISCS

Selecting the correct size grit and type of sanding disc is an extremely important step in achieving a high quality sanded finish. Aluminum oxide, silicon carbide, and other synthetic abrasives are best for power sanding. Natural abrasives, such as flint and garnet are too soft for power sanding.

In general, when sanding, coarse grit removes the most material and fine grit produces the best finish. The condition of the surface to be sanded determines which grit will do the best job. If the surface is rough, start with a coarse grit and sand until the surface is uniform. Then use medium grit to remove scratches left by the coarser grit. Finally, use finer grit for finishing the surface. Always continue sanding with each grit until the surface is uniform.

ATTACHING SANDING DISCS

See Figure 8.

NOTE: Use only 125mm hook-and-loop sanding discs which can be found at local home centers and hardware stores.

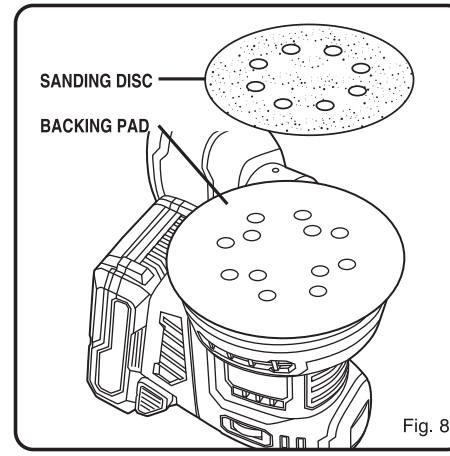


Fig. 8

- Switch off the sander and remove the battery pack.
- Align the holes in the hook-and-loop sanding disc with the holes in the backing pad.

  NOTE: Line up the holes in the sanding disc with the holes in the backing pad in order for the dustless feature to function properly.

- Press the fuzzy side of the sanding disc against the back-ing pad as firmly as possible.

> **⚠ WARNING:**
>
> Failure to switch off the tool and remove battery pack could result in accidental starting causing possible serious injury.

NOTE: You can reuse hook-and-loop type sanding discs for the life of the sanding abrasive. We recommend that you clean the backing pad occasionally by brushing it lightly with a small brush for best adhesion.

CHANGING THE SANDING DISCS

The sander is packed with sanding sheets and pads designed for a variety of uses. To change, simply pull the used sheet or pad off the base and attach the desired sheet or pad by pressing it onto the base of the sander.

USING THE DUST CANISTER

The dust canister provides a dust collection system for the sander. Sanding dust is drawn up through the holes of the sanding disc and collected in the dust canister during sanding.

OPERATION

REMOVING AND INSTALLING DUST CANISTER

- Switch off the sander and remove the battery pack.
- To remove dust canister, Pull the dust canister away from the dust port .
- To install dust canister, align dust port with hole in dust canister (Note that the protrusion on the dust canister should be aligned with the groove of the dust port), push the canister into the dust port until it it locks into place.(Fig. 9)

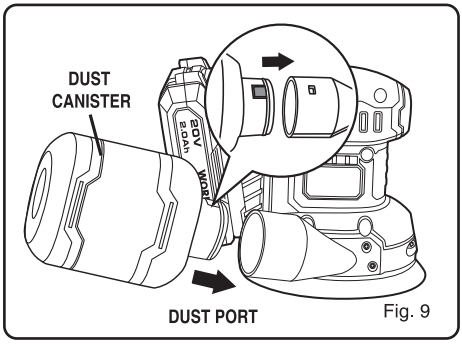


Fig. 9

⚠ WARNING:
Failure to switch off the tool and remove battery pack could result in accidental starting causing possible serious injury.

CLEANING AND EMPTYING THE DUST CANISTER

For more efficient operation, empty the dust canister when it is no more than half full. This will permit the air to flow through the canister better. Always empty and clean the dust canister thoroughly upon completion of a sanding operation and before placing the sander in storage.

To empty canister, remove dust canister and pour out the dust inside.

NOTE: Do not wash the micro filter with soap and water. Dust may become more firmly lodged in the pores, which will reduce dust collection, and damage the micro filter.

OPERATING THE SANDER

See Figures 10 and 11.

Follow these steps to operate the sander.

- Secure the work to prevent it from moving under the sander.

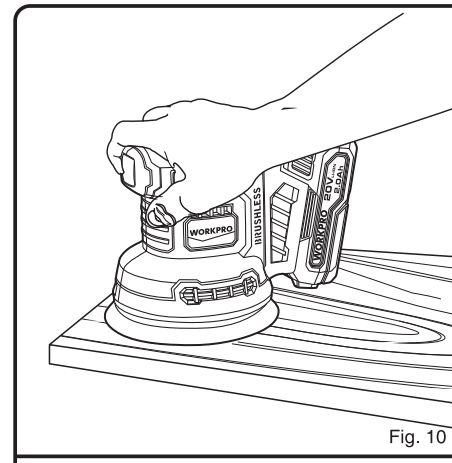


Fig. 10

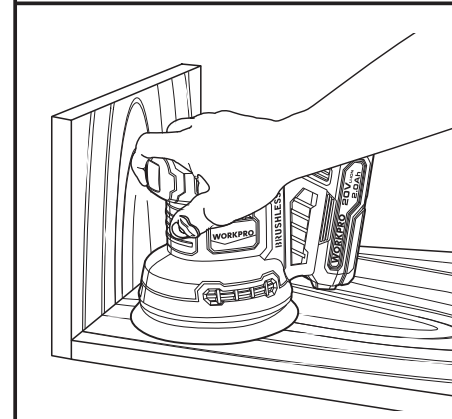


Fig. 11

⚠ WARNING:
Unsecured workpieces could be thrown towards the operator causing injury.

⚠ WARNING:
Keep your head away from the sander and the sanding area. Your hair could be drawn into the sander causing serious injury.

- Place the sander on the workpiece so that all of the sanding disc surface is in contact with the workpiece.

OPERATION

⚠ CAUTION:
Be careful not to let your hand cover the air vents.

- Start the sander and let the motor build to its maximum speed, move it slowly over the workpiece.
- Make successive passes in parallel lines, circles, or crosswise movements.

NOTE: Do not sand on one spot too long as the sander's rapid action may remove too much material, making the surface uneven.

- Switch the sander off and wait until the sanding disc comes to a complete stop before removing it from the workpiece.

NOTE: Extended periods of sanding may overheat the motor. If this occurs, switch the sander off and wait until the sanding sheet comes to a complete stop. Remove sander from workpiece.

HELPFUL TIPS

- **Do not force the sander.** The weight of the unit supplies adequate pressure; therefore, let the sanding disc and sander do the work. Applying additional pressure only slows the motor, rapidly wears the sanding disc, and greatly reduces the sander speed. Excessive pressure will overload the motor causing possible damage from motor overheating and can result in inferior work. Any finish or resin on the wood may soften from the frictional heat.

- **Do not sand on one spot too long.** The sander's rapid action may remove too much material, making the surface uneven. Extended periods of sanding may tend to overheat the motor. If this occurs, turn off the sander and wait until the sanding disc comes to a complete stop. Then remove the sander from the workpiece. Remove your hand from the vent area, remove the sanding disc, then (with your hand removed from the vent area) turn on the sander and run it free, without a load, to cool the motor.

STORAGE

Store the equipment and accessories in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5°C(41°F) and 30°C(86°F). Store the electric tool in its original packaging.

For storage, it is suggested to recharge the battery between 50% and 75% charge, and charge the device at least once in 3-6 months to preserve battery lifespan.

CHARGER INDICATOR

Indicator Status		Explanations and Actions
Red LED	**Green LED**	
ON	OFF	**Ready for use** The charger is connected to the mains and is ready for use; there is no battery pack in the charger.
OFF	Quick Blink (2Hz)	**Low-current charging** As the battery pack voltage is under 15V, the charger is in gentle charging mode, the charging current is below 0.5A.This can maximum the life of the battery.
OFF	Slow Blink (1Hz)	**High-current charging** As the battery pack voltage is above 15V,the charger is in quick charge mode, the charging current is at 2.3-2.4A. **Important!** The actual charging times may vary slightly from the stated charging times depending on the existing battery charge.
OFF	ON	**The battery is charged and ready for use.** The battery is fully charged and ready to use. **Action:** Take the battery pack out of the charger. Disconnect the charger from the mains supply.
Quick Blink (2Hz)	OFF	**Fault** Charging is no longer possible. The battery pack maybe defective. **Action:** Never charge a defective battery pack. Take the battery pack out of the charger.
Slow Blink (1Hz)	OFF	**Temperature fault** The battery pack is too hot (e.g. due to direct sunshine/prolonged use) or too cold (below 32°F / 0°C). **Action:** Remove the battery pack and keep it at room temperature (approx. 68°F / 20°C) for 3 Hours.

MAINTENANCE

GENERAL

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from 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, commutators, etc. Consequently, it is not recommended that this tool be used for extended work on any fiberglass material, wallboard, spackling compounds, or plaster. If, however, you do work with any of these materials, 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 product 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.

BATTERY PACK REPLACEMENT

If replacement of the battery pack is necessary, please contact us in order to get well-matched battery pack.

CLEANING SCRUBBING PADS

To ensure longer life and optimum performance, periodically clean all residue and foreign materials from scrubbing pads. This can be done simply by rinsing the pad with warm water until all foreign material has been washed away. After cleaning, gently squeeze the pad to remove excess water and allow pad to dry. Always store pads and sanding sheets flat in a cool, dry location.

CLEANING SANDING SHEETS

The sanding sheets that came with the sander are made to be re-used. Therefore, it is important that they be cleaned periodically to remove sanding residue and foreign material that can accumulate over time.
To clean sanding sheets, rub the sheets with a hard rubber block.

⚠ WARNING:
Always remove the scrubbing pad or sanding sheet from sander before cleaning. Failure to do so could cause serious personal injury.

DISPOSAL AND RECYCLING

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Never place defective equipment in your household refuse. The equipment should be taken to a suitable collection center for proper disposal. If you do not know the wherea bout of such a collection point, you should ask in your local council offices.

Disposal of the appliance

A crossed-out wheelie bin icon means: Batteries and rechargeable batteries, electrical or electronic devices must not be disposed of with household waste. They may contain substances that are harmful to the environment and human health.
Consumers must dispose of waste electrical devices, spent portable batteries and rechargeable batteries separately from household waste at an official collection point to ensure that these items are processed correctly. Information on returning these items is available from the seller. Sellers are required to accept these items free of charge. Batteries and rechargeable batteries, which are not permanently installed in waste electrical devices, must be removed prior to disposal and must be disposed of separately. Lithium batteries and battery packs in all systems must only be retuned to a collection point when discharged. Batteries must always be protected against short circuits by covering the poles with adhesive tape.
All end users are responsible for deleting any personal data stored on waste devices prior to their disposal.

Disposal of an exhausted battery pack

To preserve natural resources, please recycle or dispose of the battery pack properly. This battery pack contains Li-ion batteries. Consult your local waste authority for information regarding available recycling and/or disposal options. Discharge your battery pack by operating your tool, then remove the battery pack from the tool housing and cover the battery pack connections with heavy-duty adhesive tape to prevent short circuit and energy discharge. Do not attempt to open or remove any of the components.

Disposal of the packaging

The packaging consists of cardboard and correspondingly marked plastics that can be recycled. Make these materials available for recycling.

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