

# 12V 2-IN-1 DRILL DRIVER LITHIUM ION

Item Number W50095

## OWNER'S MANUAL



Performance Tool®

### LIMITED WARRANTY

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PERFORMANCE TOOL® warrants the product to be free from defects in materials and workmanship under normal use and service. A defective product may be returned for a free replacement within 90 days from the date of purchase, provided that product is returned to place of purchase immediately after discovery of defect. After 90 days and up to one year from date of purchase, PERFORMANCE TOOL® will replace at no charge any parts which our examination shall disclose to be defective and under warranty. These warranties shall be valid only when a sales receipt showing the date of purchase accompanies the defective product or defective part (s) being returned. For part (s) after 90 days, please remit your request, postage prepaid to:

PERFORMANCE TOOL, P.O. Box 88259 Tukwila, WA 98138

These warranties exclude blades, bits, punches, dies, bulbs, fuses, hoses, and other consumables which must be replaced under normal use and service. These warranties shall not apply to any product or part which is used for a purpose for which it is not designed, or which has been repaired or altered in any way so as to affect adversely its performance or reliability, nor shall these warranties apply to any product or part which has been subject to misuse, neglect, accident or wear and tear incident to normal use and service.

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### WARNING!

**READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS TOOL. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID WARRANTY.**

*Some dust created by power sanding contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. An example of this type of chemical is lead from lead based paints, Crystalline Silica from bricks and cement or other masonry, 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: work in a well ventilated area and work with approved safety equipment, such as dusk masks that are specially designed to filter out microscopic particles.*

**PT**  
Performance Tool®

## TOOL FEATURES

1. Quick Change Drill Chuck
2. 1/4 in. Hex Bit Driver Chuck
3. Torque Adjustment Ring
4. Gear Selector
5. Directional Switch & Trigger Lock
6. Battery Lock Button
7. Battery
8. Trigger
9. Battery Status Display
10. LED Light
11. Battery Charger



## TECHNICAL SPECIFICATIONS:

Power .....	12V Li-ion d.c./1.3Ah Li-ion
Gear 1.....	0 to 400 RPM
Gear 2.....	0 to 1400 RPM
Torque Adjustments.....	18 + 1
Max. torque.....	22 ft. lbs.
Rotate to the left / right .....	Yes
Chuck capacity .....	3/8 in.
Battery charger voltage .....	100-240V~/ 50-60 Hz
Battery charge time .....	1 hr.
Noise and vibration values have been determined according to EN60745.	
LpA sound pressure level .....	77.8 dB (A)
KpA Imprecision .....	3 dB (A)
LWA Sound power level .....	88.8 dB (A)
Kwa imprecision .....	3 dB (A)

**CAUTION:** Use noise protection. Exposure to noise can lead to loss of hearing.  
Technical Specifications are subject to change without notice.

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## WORKPLACE SECURITY

1. Keep the area clean and well lit. Cluttered or dark areas can cause accidents.
2. Do not use power tools in explosive environments, e.g. in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep children and people away during the use of the tool. Distractions can cause you to lose control of the tool.

## ELECTRICAL SAFETY

1. It is necessary that the power tool plugs are adapted to the base. Never modify the plug in any way. Do not use adapters with earthed tools. Unmodified plugs and adapted bases reduce the risk of electric shock.
2. Avoid contact with grounded objects such as pipes, radiators, stoves and refrigerators. There is an increased risk of electric shock if your body is in contact with grounded surfaces.
3. Do not expose power tools to rain or wet conditions. The penetration of water into a tool increases the risk of electric shock.
4. Do not misuse the cable. Do not use the cord for carrying, pulling or unplugging the tool. Keep the cord away from heat, oil, edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
5. When operating a tool outside, use an extension cord suitable for outdoor use. Using a cable suitable for outdoor use reduces the risk of electric shock.
6. If it is necessary to use the tool in a location with moisture, use a secure supply with residual current device (RCD). The use of an RCD reduces the risk of electric shock.

## PERSONAL SAFETY

1. Be aware of what you are doing and use common sense while using the tool. Do not use a tool when you are tired or under the influence of drugs, alcohol or medication. A moment of distraction while using a tool can cause serious personal injury.
2. Use safety equipment. Always wear eye protection. Safety equipment such as dust masks, non-slip safety shoes, helmets or ear protection used in appropriate conditions will reduce the risk of injury.
3. Avoid accidental starting. Make sure that the switch is in the off position before plugging in to power or battery, collect or transport. Carrying tools with your finger on the trigger or plugging the tool in with the trigger pulled can cause accidents and injury.
4. Remove any adjusting key before turning the tool on. A key left attached to a rotating part of the tool may result in personal injury.
5. Do not rush. Maintain proper footing and balance at all times. This allows better control of the tool in unexpected situations.
6. Dress appropriately. Do not wear loose clothing or jewelry. Keep hair, clothing and gloves away from moving parts. Loose clothing, jewelry or long hair can get caught in moving parts.
7. If devices for connecting equipment for extraction and dust collection are supplied, make sure they are connected and properly used. Use of dust collection can reduce risks due to dust.

## USE AND MAINTENANCE OF THE TOOL

1. Do not force the tool. Use the right tool to the application being performed. A suitable tool will do the job better and more safely if used for the purpose for which it has been built.
2. Do not use the tool if the switch does not allow you to turn it on or off. Any tool that can not be controlled by the switch is dangerous and must be repaired.

## USE AND MAINTENANCE OF THE TOOL

3. Disconnect the power source supply or battery block tool before changing accessories or before storing the tool. These preventive safety measures reduce the risk of accidental starting of the tool.
4. Keep the tool off away from children and do not allow to be used by people who are not familiar with the tool. Tools are dangerous in the hands of inexperienced.
5. Do not force the tool. Use the right tool for the application being performed. A suitable tool will do the job better and more safely if used for the purpose for which it has been built.
6. Do not use the tool if the switch does not allow you to turn it on or off. Any tool that can not be controlled by the switch is dangerous and must be repaired.
7. Disconnect the power supply and battery charger before changing accessories or before storing the tool. These preventive safety measures reduce the risk of accidental starting of the tool.
8. Keep the tool away from children and do not allow tool to be used by people who are not familiar with the operation of the tool. Tools are dangerous in the hands of inexperienced operators.
9. Make sure the tools moving parts are not aligned or blocked, that it has not broken any parts or any other condition that may affect the operation of the tool. In case of damage, take the tool to a repair service before using it again. Many accidents are caused by poorly maintained tools.
10. Tools used for cutting, with sharp pieces that have had good maintenance, are less likely to become blocked and are easier to control.
11. Use the tool, accessories and blades, etc. according to these instructions, taking into account the working conditions and the work to be done. The use of the tool for operations other than those provided can lead to dangerous situations.

## USING MACHINES WITH BATTERY AND PRECAUTIONS FOR USE

1. Do not use any other charger than the one specified by the manufacturer. A charger that fits to a type of battery can cause a risk of fire when used with other types of batteries.
2. Do not use tools with batteries other than those specified. The use of any other type of battery may create a risk of injury and fire.
3. If the batteries are not used, keep them away from other metal objects such as clips, coins, keys, nails, screws or other small objects that can lead to a connection from one terminal to another. Short-circuiting the terminals of a battery can cause burns or fire.
4. In bad conditions, liquid may be ejected from the battery; avoid any contact. In case of accidental contact, flush with water. If the fluid comes into contact with eyes, seek medical assistance. The ejected battery fluid may cause irritation or burns.

## CARE AND MAINTENANCE

1. Repairs must be performed by a qualified expert, using only identical replacement parts. This will ensure that the safety of the tool is maintained.
2. Remove the battery from tool and disconnect the charger from the wall outlet before cleaning.

### CLEANING

1. Keep protection devices, air vents and the motor housing as clean (dust free) as possible. Clean the tool with a clean cloth or clean with compressed air at low pressure.
2. We recommend cleaning the tool directly after each use.
3. Clean the tool regularly with a damp cloth and a little soap. Do not use any cleaner or detergent, they can damage the plastic parts of the tool. Ensure that no water enters the tool.

### MAINTENANCE

1. Recharge the battery at least once a year to maintain battery life.

### ENVIRONMENTAL PROTECTION

This device uses electronic components, so they should not be deposited with household garbage! Please help by collaborating to protect resources and the environment. Dispose of these products through relevant recycling services, if any. For questions on this matter, please contact your local waste management or a specialized site.

## OPERATION

### INTENDED USE

The tool is designed for screwing and unscrewing as well as for drilling in wood, metal, ceramic and plastic materials. This tool should not be used for purposes other than those described above.

### BEFORE USE

Before turning on the cordless drill, read the following notes:

1. Charge the battery with the provided charger. A fully discharged battery recharges in about one hour.
2. Use only appropriate bits and tip screwdrivers.
3. When screwing and drilling into walls, check for hidden power, gas or water lines.

### CHARGING THE BATTERY

1. Remove the battery from the tool by depressing both battery lock buttons (6) and pulling down.
2. Check if the power voltage on the rating plate corresponds to the voltage available.
3. Plug charger's power lead into top of battery. The red LED indicates that the battery is charging. Once charged, the red LED turns off and the green LED stays on continuously.
5. During charging, it is normal for the battery to warm slightly. If you can not charge the battery, check:
  - That the socket has voltage.
  - That the charger contacts are reliable.
  - Verify there is no damage to the charging cord.

### TORQUE SETTINGS

The tool has a mechanical torque adjustment ring (3) with 18 + 1 different settings. Setting 1 is the lowest torque setting and 18 the highest. A clicking will be heard and felt when the torque setting has been reached. Use the right setting for the application. This will help prevent overtightening and stripping of fasteners. The last torque setting (▲▼) bypasses the mechanical ratchet and applies maximum torque. Use this setting for using drill bits or when maximum torque is required.

**ATTENTION!** Do not adjust the torque adjustment ring until the tool comes to a complete stop.

### DRILLING

To drill, turn the torque adjustment ring to the "drill" setting (▲▼). While on the "drill" setting the safety clutch is deactivated so when drilling, the maximum torque is available.

### SWITCHING THE DIRECTION OF ROTATION

The directional switch (5) above the trigger allows you to choose the rotational direction of the tool or set the trigger lock. You can select clockwise (forward) rotation, counter clockwise (reverse) or trigger lock. To prevent damaging the tool, do not change the direction of rotation while the tool is running. When the slide switch is in the center position (trigger lock), the trigger is locked and the tool is inoperable.

### TRIGGER

The trigger (8) allows you to adjust the speed continuously, depending on the intensity with which the trigger is pulled.

### SWITCHING THE SPEED

**Note:** Only change the gear selector (4) when the driver is not in operation.

In the first gear (gear selector position 1) a maximum speed of 400 RPM and maximum torque is achieved. This setting is suitable for all fastening applications.

In the second gear (gear selector position 2) a maximum speed of about 1400 RPM is achieved to carry out drilling operations.

### DISPLAY BATTERY STATUS

Three color LEDs (9) indicate the status whenever the ON / OFF button is pressed.

- All LEDs are lighted: the battery is fully charged.
- Yellow and red LEDs lighted: the battery has charge.
- Red LED lighted: the battery is almost empty and needs to be recharged.

## OPERATION

### LED LIGHT

The LED light (10) can illuminate the screwing and unscrewing area under unfavorable lighting conditions. The LED light illuminates automatically, any time the on / off trigger is pulled.

### TOOL CHANGE

The cordless screwdriver is equipped with a quick coupling drill chuck with automatic lock.

To install removable chuck (1):

- Verify the locking ring is depressed to the unlock position (see arrow indicators on the locking ring).
- Insert the drill chuck over the ¼ in. quick connect chuck (2) and align so it seats all the way down.
- Push locking ring down into the "lock" position. You should hear / feel a click and you should not be able to remove the drill chuck.
- To remove, follow the previous steps in reverse.

### INSTALLING ACCESSORIES

**WARNING!** Do not attempt to tighten drill bits (or any other accessory) by gripping the front of the chuck and turning the tool on. This may cause personal injury and/or damage to the chuck. When removing the bit from the tool, avoid contact with skin and use proper protective gloves when grasping the bit or accessory. Accessories may be hot after prolonged use.

**CAUTION!** Be aware that this tool is always in an operating condition because it does not have to be plugged into an electrical outlet. Always lock the Trigger Switch and remove the battery pack before changing accessories.

1. Hold the rear end of the chuck in one hand and use the other hand to rotate the front end in a clockwise direction to open the jaws of the chuck.
2. Insert the shank of the bit (or other accessory) fully into the keyless chuck, taking care to keep the bit in the center of the jaws of the chuck.
3. Turn the front end of the chuck counterclockwise to hold the bit in place.
4. Tighten securely by turning the front end of the chuck counterclockwise while holding the rear end.

### PROPER SETTING FOR DRIVING SCREWS:

1. Set the torque adjustment ring on the lowest setting to begin.
2. Try tightening the first screw. If the drill drives smoothly, proceed with the next screw.
3. If the Drill's clutch slips, increase the torque setting and try again until the Drill drives the screw without incident.

## OPERATING TIPS

### SCREWDRIVING

- Always start slowly and gradually increase the speed of the Drill.
- Release the trigger when you feel the clutch slip.
- Always keep the driver bit straight to prevent damage to the screw.
- Hold the Drill with both hands to ensure control if the bit should stick or slip.
- To prevent wood from splitting, drill pilot holes into the wood before driving in the screws.

### TIPS FOR OPTIMAL USE

- Keep the right amount of pressure in a straight line with the drill bit. Too little and the bit will spin without cutting, too much and the motor may stall.
- Just before the drill tip breaks through the other side of the work piece drill more slowly and decrease pressure on the tool. This will prevent stalling and leave a cleaner hole.
- Use a block of wood to back up work pieces that may splinter.
- When drilling, start the hole slowly, allowing the bit to drill deep enough to prevent slipping at higher speeds.
- Never try to start a stalled Drill by clicking the trigger switch "ON" and "OFF". This may damage your tool.
- To reduce jamming, always keep the Drill running when pulling the bit out of a finished hole.