



**TOOLATELIER®**

**PERCEUSE VISSEUSE SANS FIL 20V À  
PERCUSSION TOOLATELIER  
- 1450 TRS/MINUTE**

TA00501



# GENERAL OPERATIONAL PRECAUTIONS

1. Keep work area clean. Cluttered areas and benches invite accidents.
2. Avoid dangerous environment. Don't expose power tools and charger to rain. Don't use power tools and charger in damp or wet locations. And keep work area well lit. Never use power tools and charger near flammable or explosive materials. Do not use tool and charger in presence of flammable liquids or gases.
3. The appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance. All visitors should be kept safe distance from work area.
4. Store idle tools and charger. When not in use, tools and charger should be stored in dry, high or locked up place-out of reach of the children and infirm persons. Store tools and charger in a place where the temperature is less than 40 °C
5. Don't force tool. It will do the job better and safer at the rate for which it was designed.
6. Use right tool. Don't force small tool or attachment to do the job of a heavy duty tool.
7. Wear proper apparel. Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwears are recommended when working outdoor.
8. Use eye protection with most tools. Also use face or dust mask if cutting operation is dusty.
9. Don't abuse cord. Never carry charger by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
10. 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.
11. Don't overreach. Keep proper footing and balance at all times.
12. Maintain tools with care. Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
13. When the charger is not in use, or when being maintained and inspected, disconnect its power cord from the receptacle.
14. Avoid accidental starting. Don't carry tool with finger on switch.
15. To avoid danger, always use only the specified charger.
16. Do not use power tools for applications other than those specified in the Handling Instructions.
17. Let only the authorized service center do the repairing. The Manufacturer will not be responsible for any damages or injuries caused by repair by the unauthorized persons or by mishandling of the tool.
18. To ensure the designed operational integrity of power tools and charger, do not remove installed covers or screws.
19. Always use the charger at the voltage specified on the nameplate.

20. Always charge the battery before use.
21. Never use a battery other than that specified. Do not connect a usual dry cell, a rechargeable battery other than that specified or a car battery to the power tool.
22. Do not use any transformer that has a booster.
23. Do not charge the batter from an engine electric generator or DC power supply.
24. Always charge indoors. Because the charger and battery heat slightly during charging, charge the battery in a place not exposed to direct sunlight; where the humidity is low and the ventilation is good.
25. Before starting to work in a high place, pay attention to the activities below to make sure there are no people below.
26. If the supply cord is damaged, it must be replaced by the manufacture or its service agent or a similarly qualified person in order to avoid a hazard.

## **PRECAUTIONS FOR CORDLESS DRIVER DRILL**

1. Always charge the battery at a temperature of 10-40 °C . A temperature of less than 10 °C will result in over charging which is dangerous. The battery cannot be charged at a temperature higher than 40 °C . The most suitable temperature for charging is that of 20-25 °C .
2. When one charging is completed, leave the charger at least 15 minutes before the next charging of battery.  
Do not charge more than two batteries consecutively.
3. Do not charge the battery for more than 2 hours. The battery will be fully charged in about 1 hour and charging should be stopped when 1 hour has elapsed from commencement. Disconnect the charger power cord from the receptacle.
4. Do not allow foreign matter to enter the hole for connecting the rechargeable battery.
5. Never disassemble the rechargeable battery and charger.
6. Never short-circuit the rechargeable battery. Short-circuiting the battery will cause a great electric current and overheat. It results in burn or damage to the battery.
7. Do not dispose of the battery in fire.  
If the battery is burnt, it may explode.
8. When drilling in wall, floor or ceiling, check for buried electric power cord, etc.
9. Bring the battery to the shop from which it was purchased as soon as the post-charging battery life becomes too short for practical use. Do not dispose of the exhausted battery.
10. Using an exhausted battery will damage the charger.
11. Do not insert object into the air ventilation slots of the charger.  
Inserting metal objects or inflammables into the charger air ventilation slots will result in electrical shock hazard or damaged charger.
12. When mounting a bit into the keyless chuck, tighten the sleeve adequately. If the sleeve is not tight, the bit may slip or come off, causing injury.

## APPLICATION

- Driving and removing of machine screws, wood screws, tapping screws etc.
- Drilling of various metals,
- Drilling of various woods.

## BATTERY REMOVAL/INSTALLATION

1. Battery removal: Hold the handle tightly and push the battery latch to remove the battery.  
CAUTION: Never short-circuit the battery.
2. Battery installation: insert the battery while observing its polarities.

## CHARGING

**Before using the driver drill, charge the battery as follows.**

1. Insert the battery in the charger.  
Position the battery so that the nameplate faces toward the ventilation slots of the charger and press in the battery until it comes into contact with the bottom plate.
2. Connect the charger power cord to the receptacle.  
Connecting the power cord will turn on the charger (the pilot lamp lights).

**CAUTION:** If the pilot lamp does not light, pull out the power cord from the receptacle and check the battery mounting condition.

### CHARGING THE BATTERY PACK (NOT INCLUDED)

Insert the charger plug into the main power supply, and the green light is on. The battery pack is inserted into the charger, and the red LED will illuminate to indicate that the battery pack is being charged. When the charging process is finished, the red LED on the charging base will turn off and the green LED will illuminate.

During charging, it is normal for the battery to warm slightly. If you cannot discharge the battery check:

- That the electrical outlet has voltage.
- That the charger contacts are undamaged and making contact with battery leads.

### BATTERY CAPACITY INDICATOR

You can check the battery's power status by pressing the power display button on rear of the battery.

- **All LEDs illuminated:** The battery is fully charged.
- **Green and red LED illuminated:** The battery has an adequate remaining charge.
- **Red LED:** The battery is empty, recharge the battery.

## HOW TO USE

### 1. Confirm the clutch dial position

The tightening torque of this unit can be adjusted according to the clutch dial position, at which the clutch dial is set.

- (1) When using this unit as a screwdriver, line up the one of the numbers "1、3、5...20" on the clutch dial, or the white dots with the triangle mark on the outer body.
- (2) When using this unit as a drill, align the clutch dial drill mark "■" with the triangle mark on the outer body.

## CAUTION

- The clutch dial cannot be set between the numbers "1、3、5...20" or the white dots.
- Do not use with the clutch dial numeral between "22" and the white line at the middle of the drill mark. Doing so may cause damage.

### 2. Tightening torque adjustment

#### (1) Tightening torque

Tightening torque should correspond in its intensity to the screw diameter. When too strong torque is used, the screw head may be broken or be damaged. Be sure to adjust the clutch dial position according to the screw diameter.

#### (2) Tightening torque indication

The tightening torque differs depending on the type of screw and the material being tightened. The unit indicates the tightening torque with the numbers "1、3、5...20" on the clutch dial, and the white dots. The tightening torque at position "1" is the weakest and the torque is strongest at the highest number.

#### (3) Adjusting the tightening torque

Rotate the clutch dial and align the numbers "1、3、5...20" on the clutch dial, or the white dots with the triangle mark on the outer box. Adjust the clutch dial in the weak or the strong torque direction according to the torque you need.

## CAUTION

- The motor rotation may be locked to cease while the unit is used as a drill. While operating the driver drill, take care not to lock the motor.
- Too long hammering may cause the screw broken due to excessive tightening force.

### Mounting and dismounting of the bit.

- (1) After inserting a driver bit, etc. into the keyless drill cruck, firmly grasp the ring and tighten the sleeve by turning it toward the right (in the clockwise direction as viewed from the front),

- If the sleeve becomes loose during operation, tighten it further. The tightening force becomes stronger when the sleeve is tightened additionally.

(2) Dismounting the bit

Firmly grasp the ring and loosen the sleeve by turning it toward the left (in the counter-clockwise direction as viewed from the front),

**CAUTION**

- When it is no longer possible to loosen the sleeve, use a vise or similar instrument to secure the bit. Set the clutch mode between land 10 and then turn the sleeve to the loose side (left side) while operating the clutch. It should be easy now to loosen the sleeve.

**NOTE**

- There is a plus driver bit on side of the main unit.

The bit can be removed by pulling it forward. After using the bit, make sure to firmly attach it to the main body again.

**4. Confirm that the battery is mounted correctly.**

**5. Check the rotation direction**

The bit rotates clockwise (viewed from the rear side) by pushing the R-side of the selector button. The L-side of the selector button is pushed to turn the bit counter-clockwise.

**6. Switch operation**

When the trigger switch is pulled, the tool rotates.

When the trigger is released, the tool stops.

- The rotational speed of the drill can be controlled by varying the amount that the trigger switch is pulled. Speed is low when the trigger switch is pulled slightly and increases as the trigger switch is pulled more

**NOTE**

- A peep sound may be produced when the motor is about to rotate; This is only a noise, not a machine failure.

## MAINTENANCE AND INSPECTION

- 1. Inspecting the tool:** Since use of a dull tool will degrade efficiency and cause possible motor malfunction, sharpen or replace the tool as soon as abrasion is noted.
- 2. Inspecting the mounting screws:** Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.
- 3. Cleaning on the outside:** When the driver drill is stained, wipe with a soft dry cloth or a cloth moistened with soapy water. Do not use chloric solvents, gasoline or paint thinner, for they melt plastics.
- 4. Storage:** Store the driver drill in a place in which the temperature is less than 40°C and out of reach of children.

## Tool specifications

Brushless motor  
 Voltage: 20V  
 No-load speed: 0-450rpm/0-1450rpm  
 Impact Rate: 0-6750/0-21750bpm  
 Max torque: 45N.m  
 Clutch: 20+3 setting  
 Chuck: Max Ø 10mm  
 Motor brake: Yes