



**TRUTEK**<sup>TM</sup>  
CONSTRUCTION FASTENING SYSTEMS



# **TCD090 BRUSHLESS COMBI DRILL**

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# Product Introduction

## Parts Name and Product Image

- ① Chuck
- ② Torque adjustment knob
- ③ Mode adjustment knob
- ④ Speed adjustment lever
- ⑤ Switch
- ⑥ Forward and reverse buttons
- ⑦ LED light
- ⑧ Belt loops
- ⑨ Battery
- ⑩ Auxiliary handle



## Instructions

- Be sure to read the user manual and precautions before using the product.
- Do not dispose of chargers/batteries together with general waste.

## Product specifications

Specification			
Product name	Brushless combi drill	Model name	TCD090
Motor	Brushless	Max torque	90N.m
Voltage	20V	Drill capacity	0.8-10
Low rpm	500	High RPM	2000

# Product Usage

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## How to combine bits



Stop operation and engage the safety lever in neutral position

❶ Turn the "chuck" counterclockwise to insert the drill bit.

- Insert the drill bit and turn the ❶ "chuck" clockwise to lock it tightly.



## Torque selection

- ❷ Select the appropriate torque for the task with the 'Torque Control Dial'.

- Level 1 (low setting): For working with small screws and soft materials.

- 20 (high setting): For working with large screws and hard materials.

- The appropriate torque setting is determined through actual operation.



## Select mode

- ❶ Driver mode: Use by adjusting the torque according to the screw specifications.

- ❷ Drill mode: Work with a well-sharpened drill bit

- ❸ Hammer mode: Working with bits for concrete



# Product Usage

## Rotation direction selection

 Adjusting the direction while the operation is stopped

- **6** Please press the direction switch lever to the bottom
- Forward rotation: The task of tightening a screw
- Reverse rotation: The operation of loosening a screw.
- Neutral: Safe Mode



## RPM Adjustment

 Stop operation and make adjustments with the safety lever in neutral.

- **4** You can select RPM with the 'speed control lever'.
- "2" position is high speed, "1" position is low speed.
- Adjust the speed to suit the task.



## LED light

- **5** When you pull the "trigger", the LED automatically turns on, allowing safe use when working at night.
- When the **6** "safety lever" is released and the **5** "trigger" is lightly pulled, only the LED lights up.



# Product Usage

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## Usage ways

- Make sure the bit is inserted straight.
- ⑤ Please pull the trigger firmly.
- ⑤ The power of the tool is adjusted depending on how hard you pull the 'trigger'.

Release the trigger ⑤ to stop the operation.

- Do not apply excessive pressure.
- Stop working immediately if the bit gets stuck.



## Battery Installation and Removal

- ④ When installing the battery, insert it into the main body until you hear a “click” sound.push it in.
- When removing the battery, press the release button while removing it.



## Battery Charging



Please note that the charger may become hot while charging the battery.

- Connect the ④ battery' correctly to the charger and connect the charger head to the power.
- When the red indicator light on the charger lights up, it is charging. When it turns green, charging is complete and you can unplug it from the power source.
- Use the included genuine charger. Charging with a charger with different specifications may result in fire.

# Precautions

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## ○ Precautions for use

- Please use the product after checking that there are no abnormalities in the main body, battery, or parts.
- Use in a dry place if possible.
- Do not touch any moving parts.

When changing bits or batteries, or moving the machine, always stop operation and place the safety lever in neutral.

- Be careful not to slip when working with long bits.
- Remove and store the battery when the product is not in use.
- Do not use on sloped or weak floors. Do not use a ladder or chair to force the product.

Do not apply force to the upper part. This may cause bit deformation, product damage, or safety accidents.

- Work in a safe and comfortable place.

## ○ Maintenance

- Excessive use beyond the intended use range will shorten the lifespan.
- Be careful not to subject the product to impact.
- Do not use or store near heat sources. The product may become deformed or discolored.
- Be sure to remove the battery before cleaning the product. Do not clean with chemicals or volatile substances. This may cause discoloration, fading, or fire.
- After use, be sure to wipe it with a clean cloth before storing. Excessive use of penetrating oil may cause fire or malfunction.
- Do not use gasoline, alcohol or chemical detergents. These may cause the power tool to become deformed or cracked.

# Precautions

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## ○ Battery usage precautions

- Do not charge in environments below 0 degrees or above 45 degrees. This may cause battery and charger failure.

- Make sure the power is turned off when installing the battery. Installing the battery while the power is on may result in an accident.

When not using the battery, keep it away from small metal parts such as clips, coins, keys, nails, and screws. This may cause the battery to short-circuit.

- Do not disassemble or reassemble the battery.

- Do not use in high temperature environments.

- Keep away from fire or water.

- Do not pierce the battery with a nail, hit the battery with a hammer, or drop it from a high place.

Do not use defective or deformed batteries.

- Do not overcharge and do not connect the battery to a USB port or vehicle charging port.

- Do not use for purposes other than the intended use. Also, do not come into contact with other lithium batteries.

- Do not place in a microwave or high temperature/high pressure container.

- Keep batteries out of reach of children.

- Do not store the battery under direct sunlight (such as inside a car). High temperatures can reduce battery life and efficiency.

- If there is corrosion or an unusual smell when using for the first time, stop using it.

- If battery fluid comes into contact with your skin or clothing, wash it thoroughly with running water.

- The charger and battery may become hot when charging.

- To extend the lifespan, charge once every 3 months when not in use for a long period of time.

- New or long-term unused batteries can be used at full capacity after five full charges and discharges.

Avoid charging multiple times in short periods of time, as this may affect battery life and efficiency.

- Do not use a defective battery. Also, do not separate the battery and charger parts.

# Safety precautions

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## ○ Safety instructions for on-site use

- The work area must be sufficiently bright and comfortable. There is a risk of accidents when working in a dark place.
- Do not use in environments with risk of explosion or fire, or in highly humid environments.
- To prevent accidents, children and anyone other than workers should not remain on site.

## ○ Product Safety Information

- If the product overheats due to long-term use, stop using it and wait until it returns to normal.
  - Do not expose power tools to rain or moisture.
  - Be sure to use genuine accessories specifically designed for electric drills.
- Keep out of reach of children. It may cause a safety accident and result in injury.
- Do not spray flammable sprays or water directly on the product. This may cause explosion, fire, or electric shock.

## ○ Safety Instructions for Operators

- Be sure to be careful and attentive when working, and do not work when you are tired, under the influence of medication, or after drinking alcohol. A lack of attention can cause a serious accident.
- Be sure to remove all unnecessary parts before use. This may cause accidents.

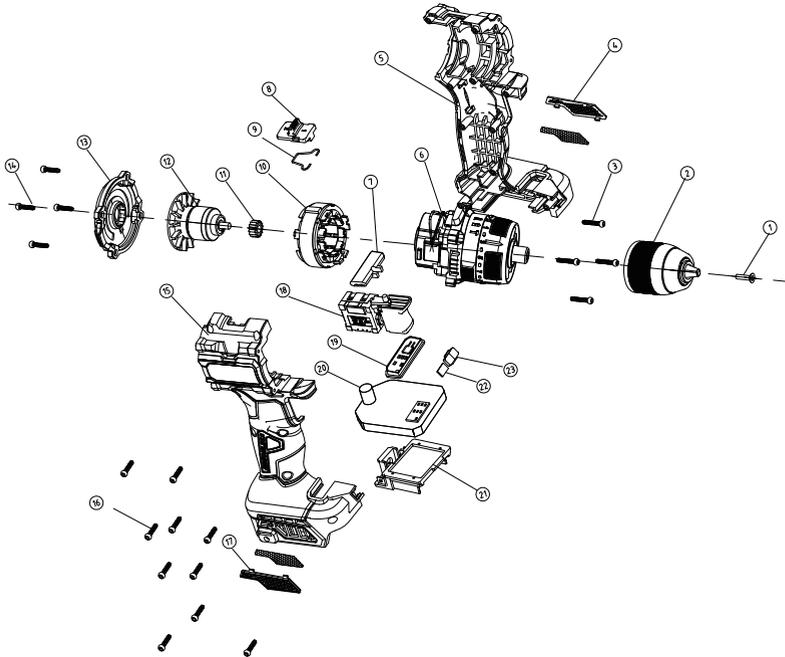
## ○ Special situations and solutions

If the battery is not charging properly, check if the charger provided is a genuine Narion charger.

- If there is a problem with the motor or main body, turn off the power.

If the battery leaks, do not touch it with your hands. If you do, wash it thoroughly with running water. If it accidentally gets into your eyes, wash it with running water and go to the nearest hospital. Battery leaks can cause skin irritation and even burns.

# Parts List



## Parts Description

NO.	Part Description	NO.	Part Description
1	M6X21 reverse thread screw	13	back cover
2	drill chuck	14	ST3X13 self-tapping screws
3	ST3X16 self-tapping screws	15	Right case
4	Left dust cover	16	ST3X13 self-tapping screws
5	Left casing	17	Right dust cover
6	With impact gearbox	18	switch
7	Forward and reverse gear	19	Light display board
8	Fast and slow dial	20	controller
9	Speed dial spring	21	pin
10	stator	22	LED light
11	pinion	23	lampshade
12	rotor		





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