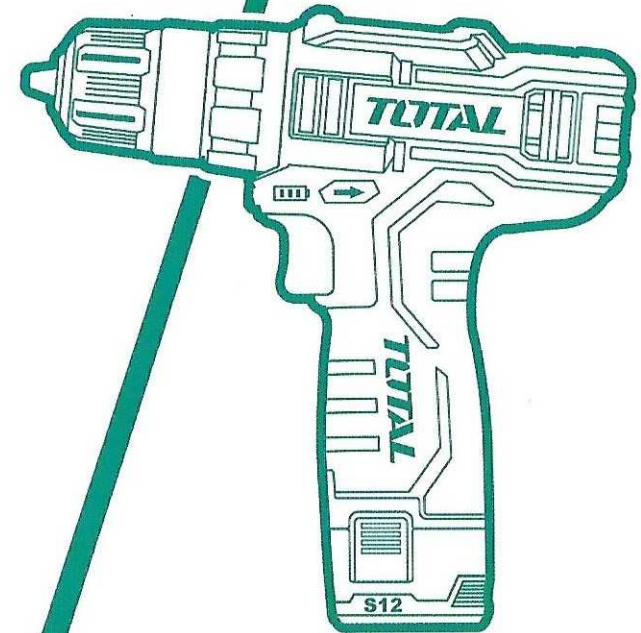


TOTAL
One-Stop Tools Station

**SUPER
SELECT**

TOTAL

**LITHIUM-ION
CORDLESS DRILL
12V**



TDL12415, TDL12415M, TDL12415E, TDL12415O, TDL12415S,
TDL12415X, TDL12415-X, UTDL12415, UTDL12415X,
UTDL12415-X (X stands for 1 to 9)

SPECIFICATIONS

Model Number	TDLI12415, TDLI12415M, TDLI12415E, TDLI124150, TDLI12415S, TDLI12415X, TDLI12415-X (X stands for 1 to 9)	
Drill voltage	12V	
No-load variable speed	0-600 /min	
Torque settings	15+1	
Max torque force	20Nm	
Keyless chuck capacity	0.8-10mm	
Model Number	UTDLI12415, UTDLI12415X, UTDLI12415-X (X stands for 1 to 9)	
Drill voltage	12V	
No-load variable speed	0-600 /min	
Torque settings	15+1	
Max torque force	20Nm	
Keyless chuck capacity	1/32" — 3/8"	

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications and battery cartridge may differ from country to country.

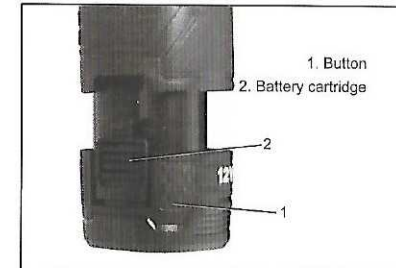
FUNCTIONAL DESCRIPTION

CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

Installing or removing battery cartridge

CAUTION: Always switch off the tool before installing or removing of the battery cartridge.

CAUTION: Hold the tool and the battery cartridge firmly when installing or removing battery cartridge. Failure to hold the tool and the battery cartridge firmly may cause them to slip off your hands and result in damage to the tool and battery cartridge and a personal injury.



1. Button 2. Battery cartridge

To remove the battery cartridge, slide it from the tool while sliding the button on the front of the cartridge. To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Insert it all the way until it locks in place with a little click. If you can see the red indicator on the upper side of the button, it is not locked completely.

CAUTION: Always install the battery cartridge fully until the red indicator cannot be seen. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

CAUTION: Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

Switch action



1. Switch trigger

CAUTION: Before inserting the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To start the tool, simply pull the switch trigger. Tool speed is increased by increasing pressure on the switch trigger. Release the switch trigger to stop.

Electric brake

This tool is equipped with an electric brake. If the tool consistently fails to quickly stop after the switch trigger is released, have the tool serviced at a TOTAL service center.

Lighting up the front lamp



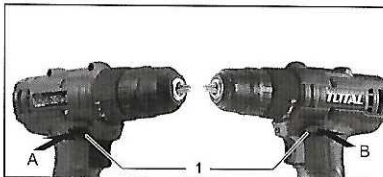
1. Lamp

CAUTION: Do not look in the light or see the source of light directly.

Pull the switch trigger to light up the lamp. The lamp keeps on lighting while the switch trigger is being pulled. The lamp goes out 10 -15 seconds after releasing the trigger.

NOTE: Use a dry cloth to wipe the dirt off the lens of the lamp. Be careful not to scratch the lens of lamp, or it may lower the illumination.

Reversing switch action



1. Reversing switch lever

CAUTION: Always check the direction of rotation before operation.

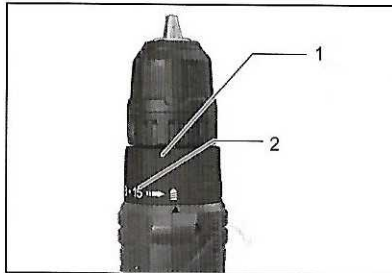
CAUTION: Use the reversing switch only after the tool comes to a complete stop. Changing the direction of rotation before the tool stops may damage the tool.

CAUTION: When not operating the tool, always set the reversing switch lever to the neutral position.

This tool has a reversing switch to change the direction of rotation. Depress the reversing switch lever from the A side for clockwise rotation or from the B side for counterclockwise rotation.

When the reversing switch lever is in the neutral position, the switch trigger cannot be pulled.

Adjusting the fastening torque



1. Adjusting ring 2. Graduation

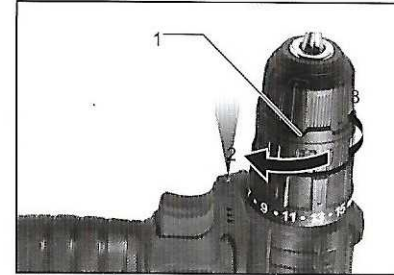
The fastening torque can be adjusted in 16 steps by turning the adjusting ring. Align the graduations with the arrow on the tool body. You can get the minimum fastening torque at 1 and maximum torque at the symbol marking.

The clutch will slip at various torque levels when set at the number 1 to 15. The clutch does not work at the symbol marking. Before actual operation, drive a trial screw into your material or a piece of duplicate material to determine which torque level is required for a particular application.

ASSEMBLY

CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

Installing or removing driver bit/ drill bit



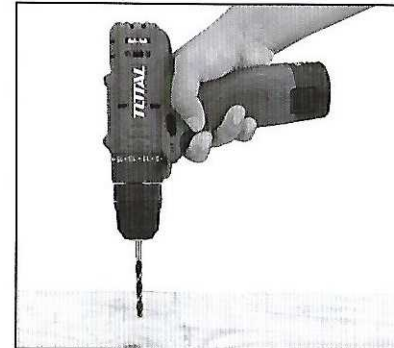
1. Sleeve 2. Close 3. Open

Turn the sleeve counterclockwise to open the chuck jaws. Place the driver bit/drill bit in the chuck as far

as it will go. Turn the sleeve clockwise to tighten the chuck. To remove the driver bit/drill bit, turn the sleeve counterclockwise.

OPERATION

With one hand on the grip and the other hand on the bottom of the battery cartridge to control the twisting action.



Screwdriving operation

CAUTION: Adjust the adjusting ring to the proper torque level for your work.

CAUTION: Make sure that the driver bit is inserted straight in the screw head, or the screw and/or driver bit may be damaged.

Place the point of the driver bit in the screw head and apply pressure to the tool. Start the tool slowly and then increase the speed gradually. Release the switch trigger as soon as the clutch cuts in.

NOTE: When driving wood screw, pre-drill a pilot hole 2/3 the diameter of the screw. It makes driving easier and prevents splitting of the workpiece.

Drilling operation

First, turn the adjusting ring so that the pointer points to the symbol marking. Then proceed as follows.

Drilling in wood

When drilling in wood, the best results are obtained with wood drills equipped with a guide screw. The guide screw makes drilling easier by pulling the drill bit into the workpiece.

Drilling in metal

To prevent the drill bit from slipping when starting a hole, make an indentation with a center-punch and hammer at the point to be drilled. Place the point of the drill bit in the indentation and start drilling. Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry.

CAUTION: Pressing excessively on the tool will not speed up the drilling. In fact, this excessive pressure will only serve to damage the tip of your drill bit, decrease the tool performance and shorten the service life of the tool.

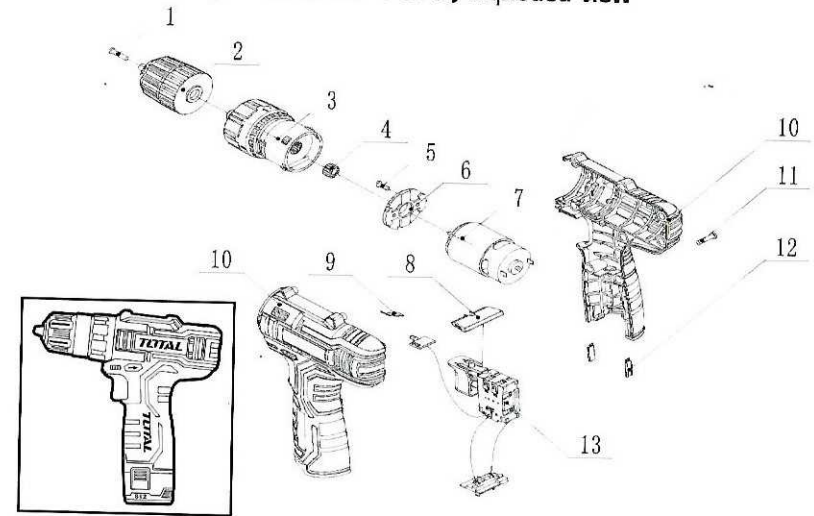
CAUTION: Hold the tool firmly and exert care when the drill bit begins to break through the workpiece. There is a tremendous force exerted on the tool/drill bit at the time of hole break through.

CAUTION: A stuck drill bit can be removed simply by setting the reversing switch to reverse rotation in order to back out. However, the tool may back out abruptly if you do not hold it firmly.

CAUTION: Always secure small workpieces in a vise or similar hold-down device.

CAUTION: If the tool is operated continuously until the battery cartridge has discharged, allow the tool to rest for 15 minutes before proceeding with a fresh battery.

TDLI12415, TDLI12415M, TDLI12415E, TDLI124150, TDLI12415S,
 TDLI12415X, TDLI12415-X, UTDLI12415, UTDLI12415X,
 UTDLI12415-X (X stands for 1 to 9) Exploded view



TDLI12415, TDLI12415M, TDLI12415E, TDLI124150, TDLI12415S,
 TDLI12415X, TDLI12415-X, UTDLI12415, UTDLI12415X,
 UTDLI12415-X (X stands for 1 to 9) Spare part list

No.	Part Description	Qty	No.	Part Description	Qty
1	Screw M5*25 Left	1	8	F/R Change Lever	1
2	Drill Chuck 0.8-10mm	1	9	Click Spring	1
3	Gear Box Assy	1	10	Left&Right Housing	1
4	Motor Gear	1	11	Tapping Screw ST3.5*16	8
5	Screw&Washer M3X6	2	12	Locking Spring	2
6	Motor Plate	1	13	Switch Assy	1
7	Motor	1			