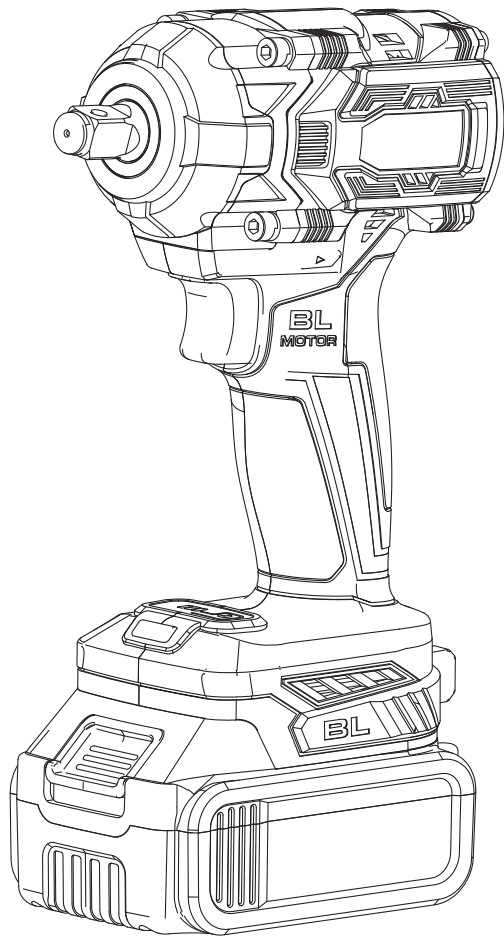


Cordless Tools



TOOL FEATURES

1. 1/2 in. Square Drive

2. Directional switch and trigger lock

3. Handle

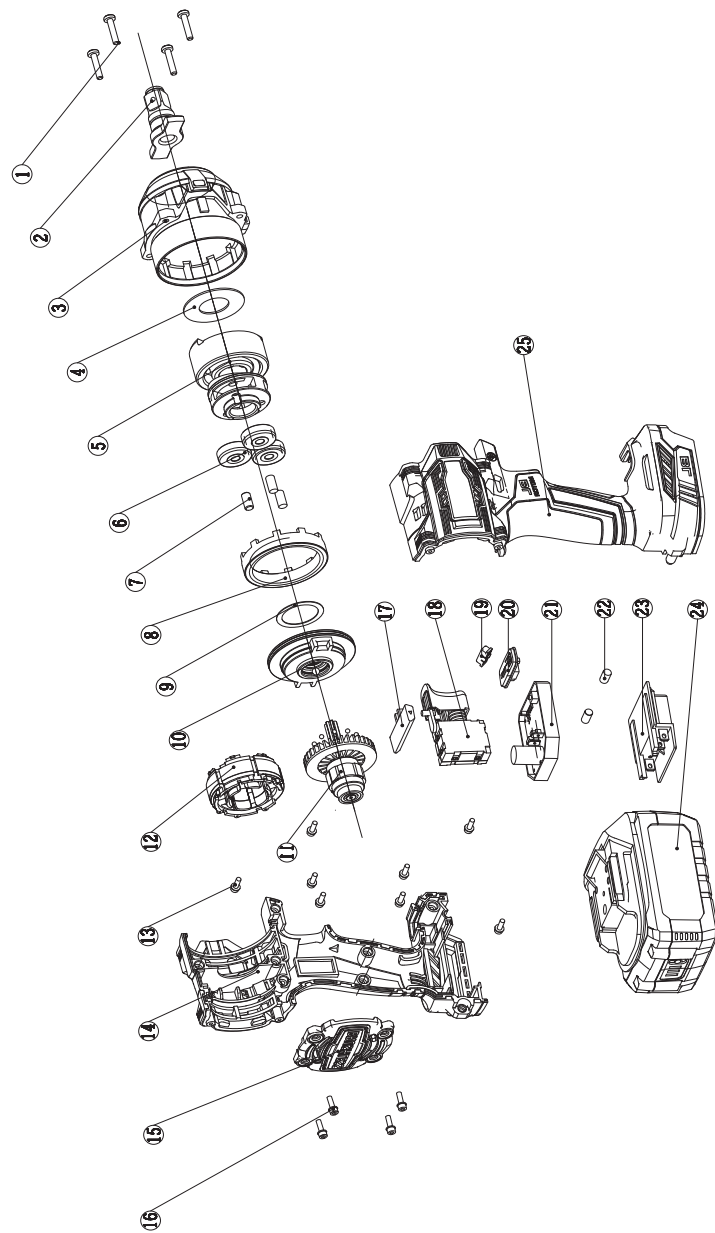
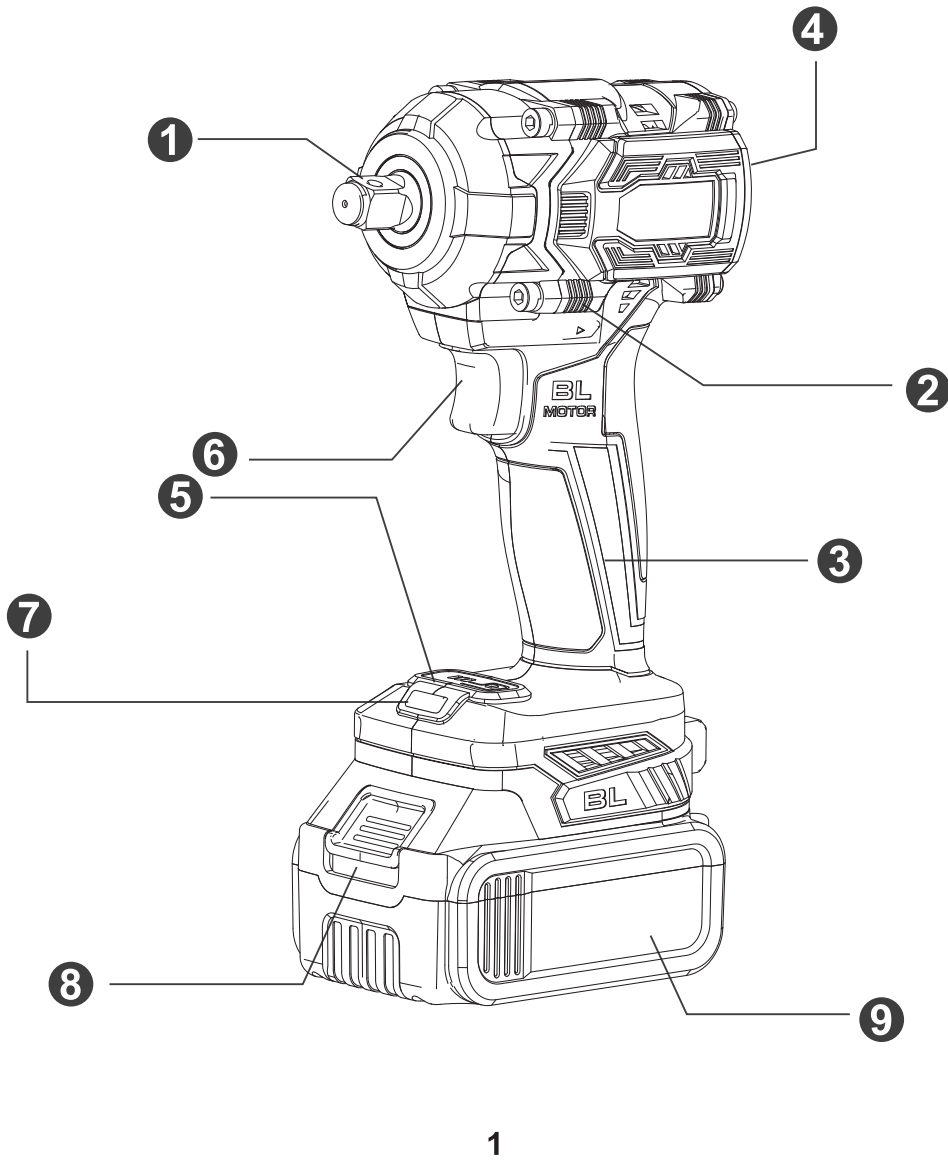
4. Cooling air outlet

5. Electronic Clutch & Auto Brake

6. Trigger
7. LED Light

8. Battery Button

9. Battery



ITEM#	Description	Q'ty Unit
1	ST4.0X16 ST SCREW	4
2	Output shaft	1
3	Aluminum ear box ASS	1
4	Washer	1
5	Impact block ASS	1
6	Planet gear	3
7	Pin φ6x12mm	3
8	Internal gear	1
9	Washer	1
10	After gear box ASS	1
11	Motor rotor	1
12	Motor stator	1
13	ST3X16 ST SCREW	8
14	Housing R	1
15	Rear cover	1
16	ST3X16 ST SCREW	4
17	Reversing button	1
18	Switch	1
19	Spotlight cover	1
20	Speed control button	1
21	Controller PCB	1
22	Rubber	2
23	Contact piece hold	1
24	Battery	1
25	Housing L	1

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.

WORKPLACE SECURITY

- Keep the area clean and well lit. Cluttered or dark areas can cause accidents.
- 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.
- Keep children and people away during the use of the tool. Distractions can cause you to lose control of the tool.

ELECTRICAL SAFETY

- 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.
- Avoid contacting 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.
- Do not expose power tools to rain or wet conditions. The penetration of water into a tool increases the risk of electric shock.
- 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.
- 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.
- 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

- 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.
- 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.
- 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.
- 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.
- Do not rush. Maintain proper footing and balance at all times. This allows better control of the tool in unexpected situations.
- 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.
- 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

- 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.
- Do not use the tool if the switch does not allow 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

- 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.
- 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.
- 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.
- Tools used for cutting, with sharp pieces that have had good maintenance, are less likely to become blocked and are easier to control.
- 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.

PRECAUTIONS FOR USE

- 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.
- 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.
- 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.
- 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

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

CLEANING

- 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.
- We recommend cleaning the tool directly after each use.
- 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

- 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.

BATTERY

CHARGING THE BATTERY PACK

- Remove the battery pack (8) from the handle by pressing the battery lock button downwards and pulling the battery forwards and off the base of the tool.
- Check if the power voltage on the rating plate corresponds to the voltage available.
- Slide the battery pack onto the battery charger (11). 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. It takes approximately 1 hour to fully recharge an empty battery.
- 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.
- **Yellow and red LED illuminated:** The battery has an adequate remaining charge.
- **Red LED:** The battery is empty, recharge the battery.

CHARGING PORT

You can also charge the battery through the modular charging port (10). The input is a maximum of 13v at 1.5 mA. This will take approximately 1.5 hours at maximum input. This adapter is not included.

LED LAMP

The LED lamp (7) can be used in poor lighting conditions to illuminate the work area. The LED lamp will light up as soon as you press the trigger (6).

OPERATION

BEFORE USE

Important! Always lock the trigger switch and remove the battery from machine before doing any work on the machine!

INSERTING BATTERY ONTO THE TOOL

Set the rotational direction switch to the center position to protect the power tool against accidental starting. Insert the charged battery into the handle so that it can be felt to engage and faces flush against the handle.

OPERATING THE TOOL

To activate the tool, press the Trigger (6) and keep it pressed. To switch off the machine, release the trigger.

The trigger is variable speed and the speed depends on the amount of pressure you apply to the trigger. Light pressure on the trigger results in a low rotational speed. Further pressure on the switch results in an increase in speed.

OPERATION

FORWARD (CLOCKWISE) OPERATION:

The motor has an electronic clutch with three different forward speed settings: 1, 2, and 3 (low, medium and high).

The speed setting is adjusted by pushing the "S" button on the Electronic clutch control panel (5) on the base of the tool. If the trigger is momentarily pushed the Electronic Clutch will be activated. If one green LED is illuminated, the motor is set to Speed 1. If two green LEDs are illuminated then the motor is set to speed 2 and three green LEDs for speed 3. Push the button marked "S" on the Electronic clutch control panel to cycle through the three speed settings and select the correct one for your specific application.

Speed	RPM	IPM
1st Speed	0-1700	0-2200
2nd Speed	0-2200	0-2700
3rd Speed	0-2700	0-3200
Reverse	0-2700	0-3200

REVERSE (COUNTER CLOCKWISE) OPERATION:

The electronic clutch has two different reverse modes: Full Reverse and Auto Break.

The Full Reverse mode is automatically activated when the direction switch (2) is put into the reverse position. No LEDs on the Electronic clutch control panel should be illuminated. This means that the clutch is set to full reverse mode. When the trigger is pushed the tool will operate in reverse for as long as you hold down the trigger.

The Auto Break function is engaged by pushing the "B" button on the Electronic clutch control panel (5). A red LED will illuminate in the third LED position to indicate that the Auto Break is engaged. When the trigger is pushed the tool will start hammering in reverse. As soon as the bolt breaks loose and there is no resistance the tool will immediately stop reverse motion. This feature is meant for controlled loosening of lug nuts without backing fully off the stud. Uncontrolled spinning can damage the threads on the end of the stud or bolt. To disengage break just push the "B" button one more time and the red LED will turn off. Your tool is again in the full reverse mode.

NOTICE: Both reverse functions only operate with the electronic clutch in the third speed position. This feature is unavailable in speed one and two.

OPERATING TIPS

To install a socket, align the square drive with socket receiver and press on until locked securely in place. To remove socket, pull the socket off while twisting back and forth to dislodge.

Caution: When removing socket or bits from tool, avoid contact with skin and use proper protective gloves when grasping socket. Accessories may be hot after prolonged use.

Apply the power tool to the screw/nut only when it is switched off. Rotating tool inserts can slip off. The torque depends on the impact duration. The maximum achieved torque results from the sum of all individual torques achieved through impact. The longer the tool is engaged the higher the accumulated torque value. Maximum torque is achieved in about 45 seconds. The actual achieved tightening torque should always be checked with a torque wrench.