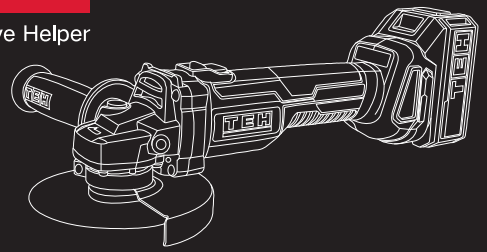
Cordless Angle Grinder

LG125

To Be Your Exclusive Helper



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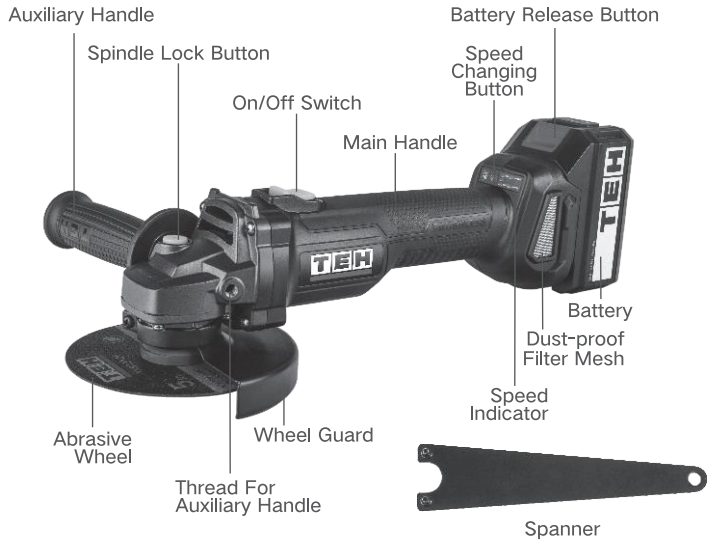
TEH

# TECHNICAL SPECIFICATION

| | |
|---|---|
| Model | LG125 |
| Voltage | DC 20V |
| Motor | Brushless |
| Disc Diameter | 125mm |
| No-load Speed | 0-9500r/min |
| Spindle Thread | M14 |
| Compatible Battery | LB4.0Ah |



# COMPONENTS AND ACCESSORIES



# SAFETY INSTRUCTIONS

WARNING ⚠

**Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or other serious injury. The term "power tools" in all of the warnings listed below refers to mains-operated (corded) power tool or battery operated (cordless) power tool.**

## WORK AREA

a) Keep work area clean and well lit. Cluttered and dark areas invite accidents.

b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.

c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

## ELECTRICAL SAFETY

a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tools. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increases the risk of electric shock.





e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

## PERSONAL SAFETY

a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

b) Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce the risk of personal injuries.

c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.

Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.

d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key to a rotating part of the power tool may result in personal injury.

e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

g) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

h) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool ' s operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

l) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

n) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

## USE AND HANDLING OF THE CORDLESS ELECTRICAL POWER TOOL

a) Charge a rechargeable battery unit using only the charger recommended by the manufacturer. Chargers are often designed for a particular type of rechargeable battery unit. There is the danger of fire if other types of rechargeable battery units are used.

b) Only the rechargeable battery units supplied are to be used with an electrical power tool. The use of other rechargeable battery units may lead to the danger of injury or fire.

c) When they are not being used, store rechargeable

battery units away from paperclips, coins, keys, nails, screws or other small metal objects that could cause the contacts to be bridged. Short-circuiting the contacts of a rechargeable battery unit may result in heat damage or fire.

d) Fluids may leak out of rechargeable battery units if they are misused. If this happens, avoid contact with the fluid. If contact occurs, flush the affected area with water. Seek additional medical help if any of the fluid gets into your eyes. Escaping battery fluid may cause skin irritation or burns.

## SERVICE

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.





## SPECIAL SAFETY DIRECTIONS FOR BATTERY-OPERATED TOOLS

a) Ensure that the device is switched off before inserting the battery. Inserting a battery into a power tool that is switched on may result in accidents.

b) Recharge the batteries indoors only because the battery charger is designed for indoor use only.

c) To reduce the electric shock hazard, unplug the battery charger from the mains before cleaning the charger.

d) Do not subject the battery to strong sunlight over long periods and do not leave it on a heater. Heat damages the battery and there is a risk of explosion.

e) Allow a hot battery to cool before charging.

f) Do not open up the battery and avoid mechanical damage to the battery. Risk of short circuit and fumes may be emitted that irritate the respiratory tract. Ensure fresh air and seek medical assistance in the event of discomfort.

g) Do not use non-rechargeable batteries!

## CORRECT HANDLING OF THE BATTERY CHARGER

a) This device can be used by children aged 8 and over and by people with reduced physical, sensory or mental capacities or with a lack of experience or knowledge, if they are supervised or have been instructed regarding safe use of the device and understand the resulting risks. Children are not permitted to play with the device. Cleaning and user maintenance are not to be undertaken by children without supervision.

b) Children should be supervised to ensure that they do not play with the appliance.

c) To charge the battery, use only the charger supplied. Risk of fire and explosion. This ensures that the safety of the device is maintained.

d) Before each use, check the charger, cable and plug and have them repaired by qualified professionals and only with original parts. Do not use a defective charger and do not open it up yourself. This ensures that the safety of the device is maintained.

e) Connect the charger only to a socket with an earth. Ensure that the mains voltage matches the specifications on the charger rating plate. Risk of electric shock.

f) Disconnect the charger from the mains before closing or opening connection to the battery / power tool / device.

g) Keep the charger clean and away from wet and rain. Do not use the charger outdoors. Dirt and the entry of water increase the risk of electric shock.

h) Operate the charger only with the appropriate original batteries. Charging other batteries may result in injuries and risk of fire.

I) Avoid mechanical damage to the charger. This can result in internal short circuits.

j) Do not operate the charger on a combustible surface (e.g. paper, textiles). Risk of fire due to heating during charging.

k) If the power cable for this equipment is damaged, it must be replaced by the manufacturer, a customer service agent of the same or a similarly qualified person in order to prevent hazards.

l) The battery of the appliance is not fully charged at the time of delivery. It therefore needs to be fully recharged before you use it for the first time. For the first recharge cycle we recommend that you charge the battery for about 1 hour. Slot the battery into the base and plug the battery charger into a mains outlet.

m) When the battery is fully charged, unplug the charger from the mains and from the appliance. Charging time is approx. 1

hour.

n) Do not charge the battery continuously since this may damage the battery cells.

Note: Repeatedly charging small capacities may damage the battery cells. Recharge the battery only if the appliance is becoming slow.

o) Do not use the charger to charge non-rechargeable batteries.

## RESIDUAL RISKS

Even if properly operating and handling this electric tool, some residual risks will remain. Due to its construction and build, this electric tool may present the following hazards:





a) Cuts

b) Ear damage if working without ear protection.

c) Damage to your health caused by swinging your hands and arms when operating the appliance for longer periods of time or if the unit is not held or maintained properly.

**WARNING ⚠**

**During operation, this electric tool generates an electromagnetic field which, under certain circumstances,**

**may impair the functionality of active or passive medical implants. To reduce the risk of serious or lethal injuries, we recommend that persons with medical implants consult their doctor and the manufacturer of their medical implant before operating the machine.**

## SAFETY INSTRUCTIONS FOR APPLICATIONS

Common safety instructions for grinding, sanding, working with wire brushes and cutting grinders:

1. This electric tool is to be used as a grinder, sander, wire brush and cutting grinder. Follow all safety instructions, directives, illustrations and facts which you receive with the device. If you do not follow these instructions, an electrical shock, fire and/or serious injury

may occur.

2. This electric tool is not suitable for cup brushes. Using the electric tool in ways for which it is not intended may cause hazards and injuries.

3. This electric tool is not suitable for cup wheels, mounted points or grinding cones. Using the electric tool in ways for which it is not intended may cause hazards and injuries.

4. This electric tool is not suitable for polishing. Using the electric tool in ways for which it is not intended may cause hazards and injuries.

5. Do not use any accessories that are not specifically intended and recommended for this electric tool by the manufacturer. Simply because an accessory can be attached to your electric tool does not guarantee safe operation.

6. The allowable rotation speed of the attachment tools must be at least as high as the highest rotation speed indicated on the electric tool. Accessories that run faster than the allowable speed can break and fly apart.

7. The outside diameter and thickness of the attachment tool must correspond to the dimensions indicated for your electric tool. Attachment tools which are wrongly dimensioned cannot be sufficiently shielded or controlled.

8. Attachment tools with threaded attachment must fit the threading of the grinding spindle exactly. For attachment tools which are mounted through a flange, the diameter of the hole in the attachment tool must fit the mounting diameter of the flange.

Attachment tools which cannot be precisely attached to the electric tool turn unevenly, vibrate very strongly and can ultimately lead to a loss of control.

9. Never use damaged attachment tools. Check attachment tools such as grinding discs for chipping or cracks, grinding plates for cracks, wear or strong abrasion and wire brushes for loose or broken wires before using them. If the electric tool or the attachment tool falls off, check whether it is damaged or, use an undamaged attachment tool. If you have checked the attachment tool and attached it, keep yourself and any nearby persons beyond the level of the rotating attachment tool and allow the device to run for 1 min. at the highest rotational speed. Damaged tools usually break during this test period.

10. Wear personal safety equipment. Depending on the application, use full face shields, eye protection or safety goggles. In so far as it is appropriate, wear dust masks, ear protection, gloves or special aprons which keep small grinding and material particles away from you. Eyes should be protected from the foreign matter which can be caused to fly during the various applications. Dust or breathing masks should filter the dust that is created during operation. If you are exposed to loud noise for a long time, you may suffer hearing loss.

11. Ensure that other people are at a safe distance to your working area. Anyone who enters the working area should wear personal protective equipment.

Broken bits from the piece being worked or broken attachment tools can fly away and cause injuries even beyond the direct working area.





12. Hold the electric tool only by the insulated gripping surfaces when performing work in which the cutting tool may come into contact with hidden wiring or its own cord. Contact with a live wire can also cause a charge in metal parts of the device and result in an electric shock.

13. Keep the cord away from the rotating attachment tool. If you lose control of the device, the power cord can become separated or caught and your hand or arm may be pulled into the rotating attachment tool.

14. Never put the electric tool down before the attachment tool has come to a full stop. The rotating attachment tool can come into contact with the surface upon which it is set, whereby you could lose control of the electric tool.

15. Never allow the electric tool to run whilst you are carrying it.

Your clothing may accidentally come into contact with the rotating attachment tool and get caught and the attachment tool could drill into your body.

16. Clean the ventilation slots of your electric tool routinely. The motor air pulls dust into the housing and, should too much metallic dust collect, could cause electrical hazards.

17. Never use the electric tool near flammable material. Sparks could ignite this material.

18. Do not use attachment tools which require liquid coolant.

Using water or another liquid coolant could lead to electrical shock.

## ADDITIONAL SAFETY INSTRUCTIONS FOR ANGLE GRINDERS

1. Connect the appliance only to a power socket with a residual current circuit breaker of rated residual current no more than 30 mA.

2. Keep power cords and extension cords away from the disc. If they are damaged or cut through, immediately pull the plug from the outlet. Do not touch the cable before it has been disconnected from the power supply. Risk of electric shock!

3. The replacement of the plug or the connection line must always be executed by the manufacturer of the electric tool or his/her customer service in order to avoid any hazards.

4. Only use grinding discs where the indicated rotational speed is at least as high as what has been specified on the name plate of the device.

5. Carry out a visual inspection of the grinding disc before use. Do not use any damaged or deformed grinding discs. Replace any damaged or worn grinding discs.

6. Make sure that the sparks produced by grinding do not present a danger, e.g. reach people or ignite flammable substances.

7. Always wear safety goggles, safety gloves, respiratory protection and ear protection when grinding, brushing and cutting.

8. Never keep the fingers between the grinding disc and spark protection or in close proximity to the protective hoods. There is a risk of crushing.

9. The rotating parts of the device cannot be covered due to functional reasons. Therefore, proceed cautiously and hold the workpiece firmly in order to avoid slipping which could cause your hands to come into contact with the grinding disc.

10. The workpiece gets hot during grinding. Do not touch the machined area, allow it to cool down. There is a risk of burning. Do not use coolants or the like.

11. If you are tired or have consumed alcohol or tablets, do not work with the device. Always have a break on time.

12. Turn off the appliance and, before doing any servicing, remove the battery.

**WARNING ⚠**

**During operation, this electric tool generates an electromagnetic field which, under certain circumstances, may impair the functionality of active or passive medical implants. To reduce the risk of serious or lethal injuries, we recommend that persons with medical implants consult their doctor and the manufacturer of their medical implant before operating the machine.**



## KICKBACK

Kickback is the sudden reaction from a chopping or blocked grinder attachment such as a grinding disc, grinding plate, wire brush etc. Chopping or blocking leads to sudden stopping of the rotating attachment. This causes an uncontrolled electric tool to accelerate in a direction counter to the rotational direction of the attachment tool. If, for example, a grinding disc cuts into the workpiece or blocks it, the edge of the grinding disc that digs into the workpiece can get caught and, through that, break off the grinding disc or cause a kickback. The grinding disc then moves towards or away from the operator, depending on the direction of rotation of the disc at the blocked spot. Here, the grinding discs can also break. A kickback is caused by wrongly or incorrectly operating the electric tool. It can be avoided by suitable cautionary measures, such as described below.

1. Hold the electric tool very firmly and bring your body and your arm into a position in which you can resist the kickback force. Always use the supplemental handle if available to give you the best control over kickback force or reaction time during acceleration. The operator can master the kickback and reaction force through suitable precautions.

2. Never bring your hands near a rotating attachment tool. The attachment tool can run over your hand in the kickback.

3. Keep your body away from the area in which the electric tool would move during a kickback. The kickback drives the electric tool in the counter-direction to the rotation of the grinding disc at the blocked spot.

4. Work particularly cautiously in corner areas or where there are sharp corners etc. Prevent the attachment tools from recoiling from the workpiece and jamming. The rotating attachment tool tends to jam when near corners, sharp edges or when it recoils from such. This causes a loss of control or kickback.

5. Do not use chain or toothed saw blades. Such attachment tools frequently cause a kickback or loss of control over the electric tool.

## ADDITIONAL SAFETY INSTRUCTIONS FOR GRINDING AND CUTTING

1. Use only grinders which have been approved for your electric tool and the protective hood intended

for these grinders. Grinders which are not intended for the electric tool may not be sufficiently shielded and are unsafe.

2. Depressed centre grinding wheels must be pre- mounted in such a way that their grinding surface does not protrude over the level of the edge of the protective cover. An incorrectly mounted grinding wheel

3. The protective hood must be securely attached to the electric tool and adjusted so that the greatest level of safety is reached, i.e., the smallest possible amount of the grinder is exposed to the operator. The protective hood should protect the operator from broken bits and accidental contact with the grinder.

4. Grinders may only be used for the recommended attachment options. For example: Never grind with the side surface of a cutting disc. Cutting discs are for cutting material using the edge of the disc. Pushing sideways on these grinders can break them.

5. Always use undamaged clamping flanges of the correct size and shape for the grinding disc you selected. Suitable flanges support the grinding disc and thus reduce the danger of the grinding disc breaking. Flanges for cutting discs can be distinguished from flanges for other grinding discs.

6. Do not use worn grinding discs for larger electric tools. Grinding discs for larger electric tools are not set up for the higher rotation speeds of smaller electric tools and can break.

NOTE ⚠

a) Avoid blocking the cutting disc or pressing down too hard. Do not make any excessively deep cuts. Overloading the cutting disc increases wear and its tendency to tilt or block and, with that, to kickback or break the grinder.





b) Avoid the area in front of and behind the rotating cutting disc. When you move the cutting disc by itself in the workpiece, in the event that the electric tool kicks back with the rotating disc, it can spin directly towards you.

c) If the cutting disc jams, or you interrupt your work, switch the device off and hold it until the disc has come to a full stop. Never try to pull the cutting disc out of the cut while it is still running, because it can kick back. Identify and correct the cause of the jamming.

d) Do not switch the electric tool on again as long as it is in

the workpiece. Allow the cutting disc to first reach its full rotational speed before you carefully resume with the cutting. Otherwise, the disc may catch, spring away from the workpiece or cause a kickback.

e) Support plates or workpieces to reduce the risk of kickback from a jammed cutting disc. Large workpieces may bend under their own weight. The workpiece must be supported on both sides of the disc, near the cutting disc as well as also at the edge.

f) Be particularly careful for pocketcuts in existing walls or other areas where you cannot see what is there. The cutting disc may cause a kickback when it cuts into gas or water lines, electrical lines or other hidden objects.

## ADDITIONAL SAFETY INSTRUCTIONS FOR SANDING

Special safety instructions for sanding:

Do not use overly large sandpaper sheets; follow the manufacturer ' s information for sandpaper sizes. Sandpaper sheets which extend beyond the sanding plate can cause injuries and can block, tear the sandpaper, or cause kickback.

## ADDITIONAL SAFETY INSTRUCTIONS FOR WORKING WITH WIRE BRUSHES

Special safety instructions for working with wire brushes:

Be aware that the wire brushes also lose wire pieces during typical use. Do not overload the wires by pressing down too hard. Flying wire pieces can very easily penetrate thin clothing and/or your skin.

If a protective hood is recommended, do not allow the wire brushes and the protective hood to touch each other. The diameter of plate and cup brushes can enlarge if too much pressure and centrifugal force is exerted.

# INSTALLATION/OPERATION INSTRUCTION

**WARNING ⚠**

**Before assembly or do any adjustment, please be sure the battery pack already removed from the tool.**

## MOUNTING THE WHEEL GUARD

1. Put the wheel guard onto the gear box, make sure the protrude point aligned with the slot on the gear box. Then move the guard anti-clockwise utill which is cross with the tool body.

2.Screw to lock the guard on the position.

**NOTE ⚠**

**Check the guard to make sure it is totally secured, if not tighten enough, you can use a open-end spanner to fasten the nut on the locking button.**





## MOUNTING THE WHEEL (FIG. 1)

1. Press down the spindle locking button and hold it.
2. Using the spanner to loosen the outer flange and remove it.
3. Put the abrasive wheel to the output spindle.
4. Put back the outer flange.
5. Press down the spindle lock button and hold it, meanwhile using the spanner to fasten the out flange.

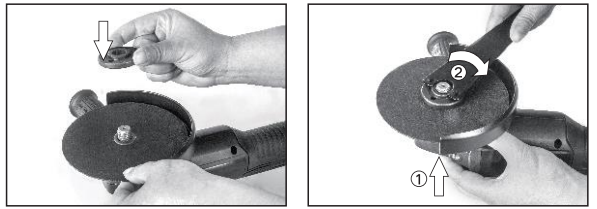



FIG. 1

## MOUNTING THE AUXILIARY HANDLE(FIG. 2)

Align the handle with the thread hole on the tool head, and then turn to fasten it.

**NOTE ⚠**

**For comfortable of working on different operation positions, the auxiliary handle can be mounted on the left or right side of the gear box.**


FIG. 2

## MOUNTING / DISASSEMBLE THE BATTERY PACK (FIG. 3)

Align the battery pack slot with the battery foot on the tool, and then push downward, until completely mounted.

To disassemble it, just keep pressing the red battery pack knob and pull backward.

FIG. 3

## SWITCHING ON / OFF THE TOOL (FIG.4)

This tool is equipped with a safety lock-off switch.

To start the tool, using your finger to push forward the safety lock-off button, then press the switch trigger down. The tool will start.

To switch off the tool, just release the switch trigger, the tool will stop.

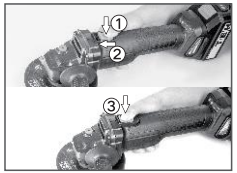



FIG.4

## BATTERY CHARGING

1. Plug the battery charging into the socket; The power indicator light on green.

2. Slide the battery pack into the slot of battery charger, after hear a click, the battery pack was secured. The power indicator light off, and meanwhile the charging indicator light on red. The charging process starts.

After around 50min to 1hour, the charging indicator light will off, and meanwhile the power indicator light green on again. It denotes the charging process is completely finished.

3. Pull out the charger plug, and then pull off the battery pack form charger.



## CHARGING TIPS

After using, the battery pack probably a little bit hot. In that case, the battery pack can not be charged in. It need to have a rest, let it cool down.

# MAINTENANCE

Make sure that the machine is not live when carrying out maintenance work on the motor. Regularly clean the machine housing with a soft cloth, preferably after each use. Keep the ventilation slots free from dust and dirt. If the dirt does not come off use a soft cloth moistened with soapy water. Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

The machine requires no additional lubrication. If a fault occur, e.g. after wear of a part, please contact your local dealer ' s service.

# ENVIRONMENT PROTECTION

In order to prevent the machine from damage during transport, it is delivered in a sturdy packaging. Most of the packaging materials can be recycled. Take these materials to the appropriate recycling locations. Take your unwanted machines to your local dealer. Here they will be disposed of in an environmentally safe way.

Li-ion batteries can be recycled. Deliver them to a disposal site for chemical waste so that they can be recycled or disposed of in an environmentally friendly manner.

Discarded electric appliances are recyclable and should not be discarded in the domestic waste! Please actively support us in conserving resources and protecting the environment by returning this appliance to the collection centres (if available).

# DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product is in conformity with the following standards or standardized documents: EN60745-1:2009+A11; EN60745-2-3:2011+A2+A11+A12+A13; EN55014-1:2017; EN55014-2:2015; in accordance with the regulations 2006/42/EC, 2014/30/EU.

NOISE/VIBRATION Measured in accordance with EN60745 the sound pressure level of this tool is <77,9dB(A) and the sound power level is <88,9dB(A) (standard deviation: 3dB), and the vibration is<9,7 m/s2.



# WARRANTY CARD

Dear customers, the warranty service for purchasing TEH products is as follows:

Under normal use, within one year from the date of purchase. It is guaranteed that the damage is caused by the quality of the tool.

The following conditions occur during the warranty period, not covered by the warranty:

a. Any valid legal document (single ticket) certifying the date of purchase
b. Any damage caused by natural wear and overload
c. Any damage caused by the use of low-priced inferior accessories
d. Any damage caused by improper carrying, transportation or storage
e. Any product that has been opened, repaired, replaced, or modified by itself
f. Any damage caused by misuse, beyond the scope of use of the tool,
and failure to use and maintain in accordance with the instructions

ladies/gentlemen: _____ employer: _____

contact number: _____ fax number: _____

contact address: _____

warranty record: _____

post code: _____

## IMPORTANT NOTE

1. The invoice and warranty card must be presented at the time of warranty.
2. The fuselage number on the invoice is the same as the fuselage number on the warranty card.
3. Once this warranty card is issued, if it is lost, it will not be reissued. Please keep it properly.

Note: The company reserves the right to amend the above provisions and has the final interpretation right in the case that the warranty service does not violate national laws.