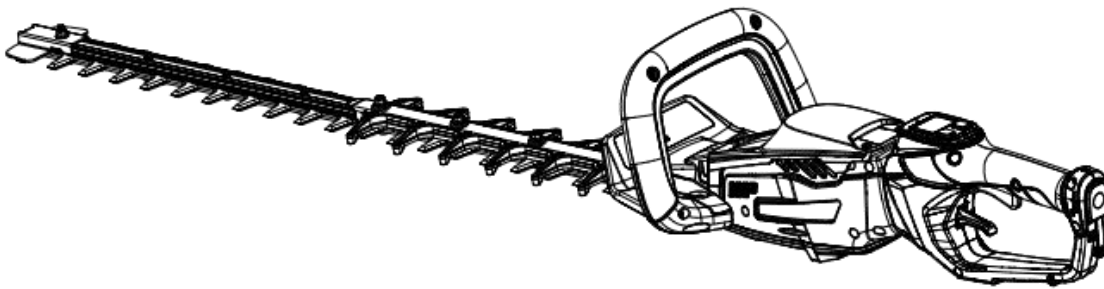




OPERATOR'S MANUAL

60V Lithium-Ion Cordless Commercial Series

Hedge Trimmer



Model Number:

CHT7612

Battery and Charger Sold Separately

⚠ WARNING: To reduce the risk of injury, the user must read and understand the Operator's Manual before using this product. Save these instructions for future reference.

READ ALL INSTRUCTIONS!



READ & UNDERSTAND OPERATOR'S MANUAL



WARNING:

Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are below:

- Lead from lead-based paints
- Crystalline silica from bricks and cement and other masonry products
- Arsenic and chromium from chemically-treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemical: work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

SAFETY SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols and the explanations with them deserve your careful attention and understanding. The symbol warnings do not, by themselves, eliminate any danger. The instructions and warnings they give are no substitutes for proper accident prevention measures.



WARNING:

Be sure to read and understand all safety instructions in this Operator's Manual, including all safety alert symbols such as "DANGER," "WARNING," and "CAUTION" before using this tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.



SYMBOL MEANING SAFETY ALERT SYMBOL:

Indicates DANGER, WARNING, OR CAUTION. May be used in conjunction with other symbols or pictographs.



WARNING:

The operation of any power tools can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and a full-face shield when needed. We recommend a Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields.

SAFETY INSTRUCTIONS

This page depicts and describes safety symbols that may appear on this product. Read, understand, and follow all instructions on the machine before attempting to assemble and operate it.

V	Volt	Voltage
	Direct Current	Type or a characteristic of current
n o	No-Load Speed	Rotational speed, at no load
RPM	Revolutions per minute	Rotational speed
cm	Centimeter	Length or size
mm	Millimeter	Length or size
in.	Inch	Length or size
kg	Kilogram	Weight
lb	Pound	Weight
	Safety Alert	Indicates a potential personal injury hazard.

	Read & Understand Operator's Manual	To reduce the risk of injury, user must read and understand the operator's manual before using this product. Failure to do so can result in serious injury to the operator and/or bystander.
	Wear Eye Protection	Always wear safety goggles or safety glasses with side shields when operating this product that comply with ANSI Z87.1 USA or EN 166 in EU countries.
	Danger- Keep Hands Away from Blades	Contact with blade will result in serious personal
 	Recycle Symbols	Any damaged or disposed electric or electronic devices must be delivered to appropriate collection centers. Do not dispose electric tools, batteries/re-chargeable batteries together with household waste material. Electric tools and batteries that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility. Check with your local authority or retailer for recycling advice and collection point.
	Do not expose to rain	Do not expose tools to rain. Do not use tools in damp or wet locations.
	Wear protective Gloves	Wear protective Gloves.

GENERAL BATTERY-OPERATED POWER TOOL SAFETY

WARNINGS



WARNING:

Read all safety warnings, instructions, illustrations and specifications provided with this power tool.

Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- 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.
- Keep children and bystanders away while operating a power tool.
- Distractions can cause you to lose control.
- Avoid Dangerous Environment - Don't use appliances in damp or wet locations.

PERSONAL SAFETY

- **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.
- **Always use personal protective equipment.** Personal protective equipment such as eye protection, dust mask, non-skid safety shoes, hard hat and/or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to the 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.

- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a moving part of the power tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

POWER TOOL USE AND CARE

- **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Remove the battery pack, if detachable, from the power tool and/or activate any battery disabling device before clearing jammed material, making any adjustments, changing accessories, cleaning, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **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.
- **Maintain power tools and accessories. 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 and accessories.

- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **Use the power tool, accessories, 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.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces may lead to unsafe handling and/or loss of control of the tool.
- **Keep cables away from the working area of the tool.** During operation cables may be hidden from view and can be accidentally damaged by the tool.

BATTERY TOOL USE AND CARE

- **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack. Use only with the battery packs and chargers listed below.

BATTERY PACK	CHARGER
BP7615	CG768U
BP7625	CGB6055U (use with adapter AD7625)
LBC60140	CGB6055U
LBC60280	CG768U(Use with single battery harness AH7608)

- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **When battery pack is not in use, keep it away from other metal objects,** like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If**

contact accidentally occurs, flush with water. If liquid contact eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

- **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 212 °F (100°C) may cause explosion.
- **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

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.
- **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers

SAFETY INSTRUCTIONS FOR HEDGE TRIMMER



DANGER :

Keep hands away from blade. Contact with blade will result in serious personal injury.

- Keep all parts of the body away from the cutter blade. Do not remove cut material or hold material to be cut when blades are moving. Make sure the switch is off when clearing jammed material. Blades coast after turn off. A moment of inattention while operating the hedge trimmer may result in serious personal injury.
- Carry the hedge trimmer by the handle with the cutter blade stopped. When transporting or storing the hedge trimmer always fit the cutting device cover. Proper handling of the hedge trimmer will reduce possible personal injury from the cutter blades.
- Hold the power tool by insulated gripping surfaces only, because the cutter blade may contact hidden wiring. Cutter blades contacting a “live” wire may make exposed metal parts of the

power tool “live” and could give the operator an electric shock.

- Keep cable away from cutting area. During operating the cable may be hidden in shrubs and can be accidentally cut by the blade.
- Use both hands when operating the hedge trimmer. Using one hand could cause loss of control and result in serious personal injury.

IMPORTANT SAFETY INSTRUCTIONS

- If the hedge trimmer should start to vibrate abnormally or become noisy, stop the motor and check immediately for the cause. Abnormal noise is generally a warning of trouble.
- Replace the blade if it is bent or cracked. An unbalanced blade causes vibration that could damage the motor drive unit or cause personal injury.
- Keep all fasteners tight to be sure the hedge trimmer is in safe working condition.
- Make sure all proper guards and other safety devices are properly and securely attached before using this product.
- Do not charge the battery pack in rain, or in wet locations.
- Use only with the battery pack and charger listed below.
- Do not dispose of the battery in a fire.
- Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards even when the tool is not operating. Take care when performing maintenance or service.
- Do not wash with a hose; avoid getting water in motor and electrical connections.
- If situations occur that are not covered in this manual, use care and good judgment.
- **SAVE THESE INSTRUCTIONS.** Refer to them frequently and use them to instruct others who may use this tool. If you lend this tool to someone else, also lend these instructions to them to prevent misuse of the product and possible injury.

SAVE THESE INSTRUCTIONS!

SPECIFICATIONS

Voltage	60V
Power	1200W
Motor Type	Brushless
No-Load Speed	3 levels, 3200/3600/4000 spm
Blade Length	30in / 750mm
Cutting Capacity	1.18in / 30mm
Operating Temperature	-4°F~ 122 °F (-20°C~50°C)

DESCRIPTION

KNOW YOUR HEDGE TRIMMER (Fig. 1)

The safe use of this product requires an understanding of the information on the tool and in this operator's manual, as well as knowledge of the project you are attempting. Before using this product, familiarize yourself with all operating features and safety rules.

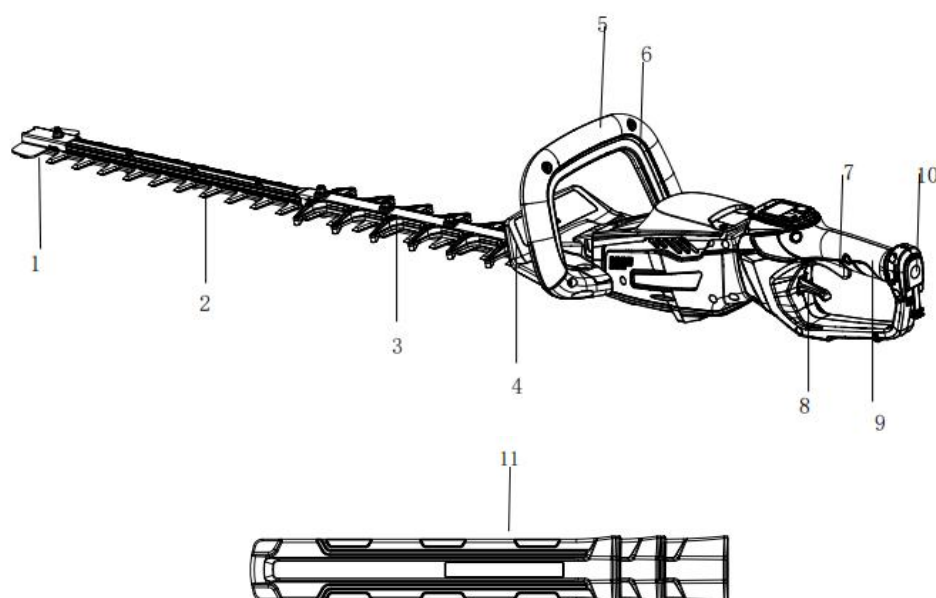


Fig.1

1. Tip Protector	7.Rear Switch Lever
2. Blade	8. Rear Handle Rotating Knob
3. Blade Guard	9. Rear Handle
4. Hand Guard	10. Electric Socket
5. Front Handle	11. Blade protection guard
6. Front Switch Lever	

HAND GUARD

Helps to protect the operator's hands; deflects chips or other debris away from the operator.

FRONT HANDLE

For easy control of the tool.

REAR HANDLE

Ergonomic handle with over mold improves comfort and grip.

FRONT/REAR SWITCH LEVER

The hedge trimmer can be switched on immediately by pressing the front and rear switch levers simultaneously.

BLADE

Standard steel blades for cutting hedges and shrubs.

BLADE PROTECTION GUARD

The blade sheath helps to prevent damage to the blades during transport and helps to protect you from being cut by the blades when the tool is not in use.

TIP PROTECTOR

Helps to protect walls and fences around the hedgerow from being scratched during cutting.

ELECTRIC SOCKET

Directly plug-in the battery plug.

ASSEMBLY

WARNING:

If any part is damaged or missing, do not operate this product until the part is replaced. Use of this product with damaged or missing parts could result in serious personal injury.

WARNING:

Do not attempt to modify this product or create accessories not recommended for use with this grass trimmer/ brush cutter. Any such alteration or modification is misuse and could result in a hazardous condition leading to possibly serious personal injury.

WARNING:

Always wear heavy gloves when doing any maintenance on the blade. Be careful of the blade and protect your hands from being injured by the blade.

WARNING:

To prevent accidental starting that could cause serious personal injury, always remove the power plug from the tool when assembling parts, making adjustments, cleaning, or when not in use.

UNPACKING

- This product requires assembly.
- Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the tool carefully to make sure that no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- If any part is damaged or missing, please return the product to the place of purchase.

OPERATION

WARNING:

Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

WARNING:

Always wear eye protection that is marked to comply with ANSI Z87.1. or EN 166. Failure to do so could result in objects being thrown into your eyes and other possible serious injuries.

WARNING:

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

WARNING:

To prevent serious personal injury, remove the power plug from the tool before servicing, cleaning, changing attachments or removing material from the unit.

Before each use, inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, etc. Securely tighten all fasteners and do not operate this product until all missing or damaged parts are replaced.

APPLICATION

You may use this product for the purposes listed below:

- Trimming hedges, shrubs, and bushes with branch diameters less than 30 mm.

CONNECTING WITH/ DISCONNECTING FROM THE BATTERY

NOTE: Fully charge the battery pack before first use. This hedge trimmer has a dedicated plug-in connection. Please use it with backpack battery or with portable batteries via backpack link.

To Connect with the Battery

Align the battery plug with the hedge trimmer 's electric socket, then insert the plug into the hedge trimmer. (Fig. 2)

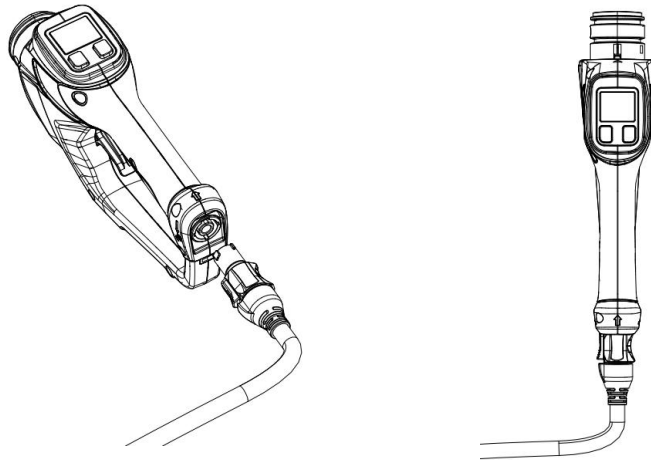


Fig .2

To Disconnect from the Battery

Press the lock on the battery plug, pull the power cord from the electric socket.

HOLDING THE HEDGE TRIMMER

The switch lever in the front handle can be activated while grasping it on any of the three sides, giving you many choices for a comfortable grip when performing cutting operations.

⚠ WARNING:

Always hold the hedge trimmer with both hands. Never hold shrubs with one hand while operating the hedge trimmer with the other hand. Failure to heed this warning may result in serious injury.

STARTING/STOPPING THE HEDGE TRIMMER

Before starting the hedge trimmer:

- Make sure that you have secure and balanced footing.
- Stand upright and hold the hedge trimmer in a relaxed position.

- Remove the blade protection guard
- Make sure the cutting blade is not touching the ground or any other objects.
- Hold the unit with both hands: one hand on the rear handle and one hand on the front handle.

STARTING/STOPPING THE HEDGE TRIMMER

To Start

1. Press the power button “” on Multi Control Display Unit to light the screen.(Fig. 3)
2. Press and hold the switch lever in the front handle with one hand and squeeze the rear switch lever with your other hand to start the hedge trimmer. Continue to squeeze the two switch levers simultaneously for continued operation.
3. Press the button on MCDU “” to change the gear to adjust cutting speed of hedge trimmer, 1P is the lowest gear, 3P is the highest gear.
4. Multiple Control Display Unit



Fig.3

To Stop

1. Move the hedge trimmer away from the cutting area and release either the rear switch lever or the front switch lever to switch off the hedge trimmer.
2. Press the power button off to avoid accidental starting.



WARNING:

Always remove the battery from the tool during work breaks and after finishing work.



WARNING:

Make sure that the screen is off before restarting. Otherwise, accidental starting will cause serious personal injury.

USING THE HEDGE TRIMMER

DANGER:

If the blade jams on any electrical cord or line, **DO NOT TOUCH THE BLADE! IT CAN BECOME ELECTRICALLY LIVE AND VERY DANGEROUS.** Continue to hold the hedge trimmer by the insulated rear handle and lay it down and away from you in a safe manner. Disconnect the electrical service from the damaged line or cord before attempting to free the blade from the line or cord. Failure to heed this warning will result in serious personal injury or possible death.

WARNING:

If any parts are missing, damaged or broken, do not operate your trimmer until they have been replaced. Failure to do so could result in possibly serious personal injury.

WARNING:

To prevent serious personal injury, keep hands away from blades. Do not attempt to remove cut material or hold material to be cut when the blades are moving. Make sure that the blades have stopped moving and the power cord is removed before clearing jammed material from blades. Do not grasp the exposed cutting blades or cutting edges when picking up or holding the unit.

WARNING:

Clear the area to be cut before each use. Remove all objects, such as cords, lights, wire, or string that could become entangled in the cutting blade and create a risk of serious personal injury.

Trimming Tips

- Before starting the hedge trimmer, maintain proper footing and balance and do not overreach. Wear safety goggles, non-skid footwear and rubber gloves. Hold the unit with both hands with the cutting blades directed away from you. Always use the hedge trimmer properly.
- Do not trim too much at one time. This can cause the blades to bind and slow, reducing the cutting efficiency.
- Do not force the hedge trimmer through heavy shrubbery. This can cause the blades to bind

and slow down. If the blades slow down, reduce the pace of your work.

- When trimming new growth, use a wide, sweeping action, so that the stems are fed directly into the cutting blade. Older growth will have thicker stems and will be trimmed most easily by using a sawing movement.
- Always cut stems or twigs that are less than 1-1/4 in. (33mm) thick. Use a non- powered hand saw or pruning saw to trim large stems.

TOP CUTTING

Use a wide, sweeping motion. A slight downward tilt of the cutting blades in the direction of motion gives the best cutting results. If desired, you can use a string to help guide you as you cut your hedge level.

Decide how high you want the hedge. Then, stretch a piece of string along the hedge at this height. Trim the hedge just above this guide line.

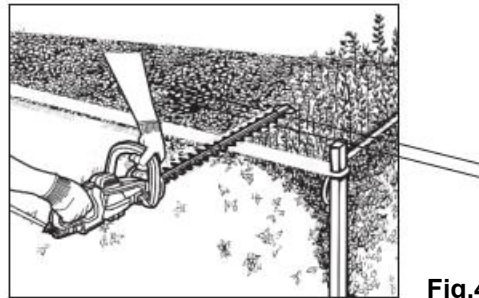


Fig.4

SIDE CUTTING

When trimming the sides of the hedge, begin at the bottom and cut upwards. Trim the side of a hedge so that it will be slight narrower at the top. This shape will expose more of the hedge to sunlight, resulting in a more uniform growth

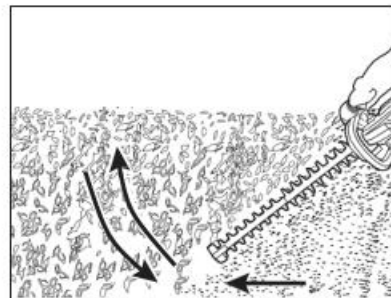


Fig.5

MAINTENANCE



WARNING:

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by authorized dealer/distributor.



WARNING:

To prevent accidental starting that could cause serious personal injury, always remove the power cord from the product when cleaning or performing any maintenance.

All hedge trimmer service, other than the items listed in this manual, should be performed by authorized dealer/distributor.

CLEANING

- Use a soft brush to remove the debris from all air intakes and the cutting blade.
- To remove pitch and other sticky residue, spray the blades with resin solvent. Run the motor briefly so that the solvent is evenly distributed.
- Wipe the surface with a dry cloth.



WARNING:

Never use water to clean your trimmer. Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents. Use a clean cloth to remove dirt, dust, oil, grease, etc.

SHARPENING THE CUTTING BLADE PERIODICALLY

1. Remove the power cord from the hedge trimmer.
2. Disassemble the blade guard.
3. For standard steel blade, sharpen the blades with a standard metal file.

NOTICE: Do not operate your hedge trimmer with dull or damaged cutting blades. This may cause overload and will give unsatisfactory cutting results.

LUBRICATING THE BLADE

For best operation and longer blade life, lubricate the hedge trimmer blade with anti-rusting oil after each use.

1. Remove the power cord away from the hedge trimmer.
2. Lay the hedge trimmer on a flat surface. Spray the anti-rusting oil along the edges of the blades. Run the hedge trimmer for a while to distribute the oil evenly on the blade surface.

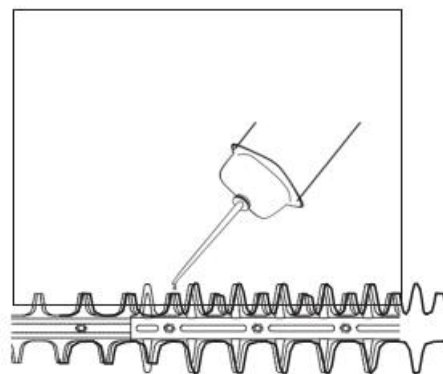


Fig.6

LUBRICATING THE DRIVE GEAR

For best operation and longer lifetime, lubricate the hedge trimmer drive gear with a special grease after every 50 hours operation. Apply the grease into #1 oil-hole up to 5g each time.

DO NOT FULLY FILL THE GEAR CASE WITH THE GREASE.

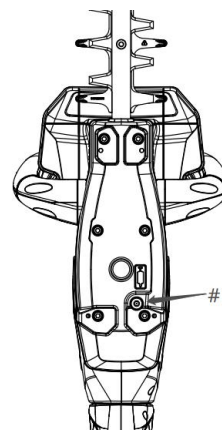


Fig.7

The grease should meet the following requirements:

- NLGI Grade Penetration: NLGI-2;
- Thickener Type: Polyurea;
- Recommended Operating Temperature Range: -40°C to 180°C;
- Other than above, the grease should also be shear stable with exceptional pressure characteristics and excellent anti-wear property, and perfect oxidation stability.

TRANSPORTING AND STORING

- Clean the hedge trimmer thoroughly and spray the blade with anti-rusting oil evenly before storing.

- Always place the blade protection guard on the blade before storing or transporting. Use caution to avoid the sharp teeth of the blade.
- Store the hedge trimmer indoors, in a dry place that is inaccessible to children.
- Keep away from corrosive agents such as garden chemicals and deicing salts.



WARNING:

Blades are sharp. When handling the blade assembly, wear non-slip, heavy-duty, protective gloves. Do not place your hand or fingers between blades or in any position where they could get pinched or cut. NEVER touch blades or service the unit with battery pack installed.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Hedge trimmer does not work.	The power cord from the battery is not attached to the hedge trimmer correctly.	Reinsert the power cord plug, ensuring that the lock on the plug clicks.
	No electrical contact between the hedge trimmer and power cord.	Check all the contacts and reconnect the hedge trimmer with the power cord.
	The two switch levers on the front handle and rear handle are not pressed simultaneously.	Press the front switch lever and rear switch lever simultaneously.
	The battery or the hedge trimmer is too hot.	Disconnect the battery from the hedge trimmer and allow the battery or the hedge trimmer to cool until its temperature drops below 50°.
	The blade is jammed.	Disconnect the power cord from the hedge trimmer. Wear gloves to remove the obstruction carefully and check the blade. If no damage or bend of the blade, reconnect with the power cord to start the hedge trimmer.
Excessive vibration or noise.	Dry or corroded blades.	Lubricate the blades, following the instructions in the " LUBRICATING THE BLADE " section in this manual.
	Blades or blade support is bent.	Replace with a new blade or blade support. Contact authorized dealer/distributor for replacement service.

	Bend or damaged blade teeth.	Replace with a new blade. Contact authorized dealer/distributor for replacement service.
	Insufficient drive gear lubrication.	Lubricate the drive gear, following the instructions in the "LUBRICATING THE DRIVE GEAR" section in this manual.

ERROR ALARM INDICATOR	CAUSE	SOLUTION
E01	The controller voltage wrongly starting	Contact the service point for a professional consultant or repairing. Release the switch, and restart in the right way.
E02	Over currency	Release the switch.
E03	Low speed protection, blade blocked	Release the switch.
E04	The controller temperature protection	Release the switch, wait the machine temperature cool down to normal.
E05	The battery temperature protection	Restart the tool till the temperature cool down to normal.
E06	Voltage problem	Stop the machine and restart it. Charge the battery pack with the specified charger and check if the right voltage battery pack is used.
E07	Short circuit on the motor	Contact the service point for a professional consultant or repairing.

E08	Phase loss fault	Contact the service point for a professional consultant or repairing.
E09	Other fault	Stop the machine and restart the machine. If still not workable, contact with the service point.
E10	Battery fault	Use the right battery which compatible the machine.
E11	MOS fault	Contact the service point for a professional consultant or repairing.
E12	UI fault	Contact the service point for a professional consultant or repairing.

