



|                                                                                                                                                                                |                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 说明书材质要求：105g 有光铜版纸                                                                                                                                                             | 说明书成品尺寸：105*143mm                                                                                                                                           |
| 第一：专色用6级防晒油墨+CMYK油墨要求：<br>1.PANTONE137C专色油墨(专色用6级防晒油墨)：<br>如果自己配色，油墨配比为：酒联中黄(防晒)2000g<br>酒联金红(防晒)225g<br>2.C色油墨：酒联天蓝墨<br>3.M色油墨：酒联金红墨<br>4.Y色油墨：pantone123C专色油墨<br>5.K色油墨：酒联黑墨 | 第二：特别注意：<br>1.印刷时看样请参考我司提供的实物样品颜色。不得偏色<br>2.137C的专色不得参考C=0,M=35,Y=90,K=0对应的四色<br>色谱颜色来看样印刷<br><div><div></div>Pantone 137C<br/><div></div>Black（两色印刷）</div> |
| 折叠方式：骑马钉                                                                                                                                                                       | 备注：                                                                                                                                                         |

特别注意：此页内容不印刷

风琴折 + 对折 页面顺序

16P 页面顺序

|    |    |    |    |
|----|----|----|----|
| 9  | 10 | 11 | 封面 |
| 12 | 13 | 14 | 封底 |

|   |   |   |   |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |

20P 页面顺序

|    |    |    |    |    |
|----|----|----|----|----|
| 11 | 12 | 13 | 14 | 封面 |
| 15 | 16 | 17 | 18 | 封底 |

|   |   |   |   |    |
|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5  |
| 6 | 7 | 8 | 9 | 10 |

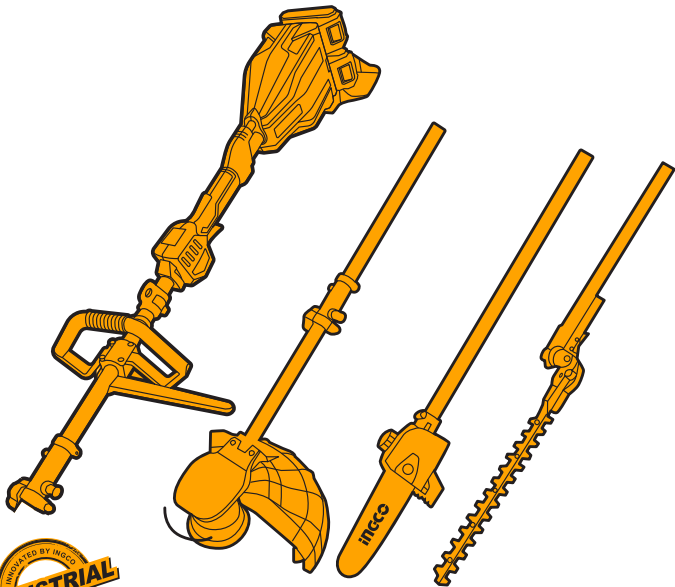
|      |          |           |     |  |  |
|------|----------|-----------|-----|--|--|
| 更改记录 | 1. 新制作   |           |     |  |  |
|      | 0924.V01 | 2024.9.28 | QQY |  |  |
|      | 版本号      | 日期        | 设计师 |  |  |

# INGCO

www.ingco.com

## PRODUCT MANUAL

### CORDLESS MULTI GARDEN TOOLS



**CSTLI2040386 CSTLI2040386xy CSTLI204038xy**  
**UCSTLI2040386 UCSTLI2040386xy UCSTLI204038xy**  
**x(blank,1,2,3,4,5,6,7,8,9,E,S,A,M)**  
**y(blank,-1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)**



SCAN FOR VIDEO

**GENERAL 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.**

*The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.*

**1) Work area safety**

- a) **Keep work area clean and well lit.** *Cluttered or 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.*

**2) 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 tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase 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.*

### 3) 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 personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce 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 energising 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 left attached 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 and clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) **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.*
- h) **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.*

### 4) Power tool use and care

- a) **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.*
- b) **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.*
- c) **Disconnect the plug from the power source and/or remove the battery**

**pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. *Such preventive safety measures reduce the risk of starting the power tool accidentally.***

- d) **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.***
- e) **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.***
- f) **Keep cutting tools sharp and clean. *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.***
- g) **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.***
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease. *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.***

## **5) Battery tool use and care**

- a) **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.***
- b) **Use power tools only with specifically designated battery packs. *Use of any other battery packs may create a risk of injury and fire.***
- c) **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.***
- d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. *Liquid ejected from the battery may cause irritation or burns.***

- e) **Do not use a battery pack or tool that is damaged or modified.** *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*
- f) **Do not expose a battery pack or tool to fire or excessive temperature.** *Exposure to fire or temperature above 130 °C may cause explosion.*
- g) **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.*

## **6) Service**

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

## BATTERY TOOL SAFETY WARNINGS

Save these instructions.

### **⚠ CAUTION!**

**Only use genuine original batteries.** *Use of non-genuine batteries, or batteries that have been altered, may result in the battery bursting causing fires, personal injury, and damage. It will also void the warranty for the tool and charged and dark areas invite accidents.*

### **⚠ WARNING!**

- a) **Do not dismantle, open or shred secondary cells or batteries.**
- b) **Keep batteries out of the reach of children.** *Battery usage by children should be supervised. Especially keep small batteries out of reach of small children.*
- c) **Seek medical advice immediately if a cell or a battery has been swallowed.**
- d) **Do not expose cells or batteries to heat or fire.** *Avoid storage in direct sunlight.*
- e) **Do not short-circuit a cell or a battery.** *Do not store cells or batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.*
- f) **Do not remove a cell or battery from its original packaging until required for use.**
- g) **Do not subject cells or batteries to mechanical shock.**
- h) **In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes.** *If contact has been made, wash the affected area with copious amounts of water and seek medical advice.*
- i) **Do not use any charger other than that specifically provided for use with the equipment.**
- j) **Observe the plus (+) and minus (-) marks on the cell, battery and equipment and ensure correct use.**
- k) **Do not use any cell or battery which is not designed for use with the equipment.**
- l) **Do not mix cells of different manufacture, capacity, size or type within a device.**
- m) **Always purchase the battery recommended by the device manufacturer for the equipment.**
- n) **Keep cells and batteries clean and dry.**
- o) **Wipe the cell or battery terminals with a clean dry cloth if they become**

**dirty.**

- p) **Secondary cells and batteries need to be charged before use.** *Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.*
- q) **Do not leave a battery on prolonged charge when not in use.**
- r) **After extended periods of storage, it may be necessary to charge and discharge the cells or batteries times to obtain maximum performance.**
- s) **Retain the original product literature for future reference.**
- t) **Use the cell or battery only in the application for which it was intended.**
- u) **When possible, remove the battery from the equipment when not in use.**
- v) **Dispose of properly.**

#### **Tips for maintaining maximum battery life**

- a) **Charge the battery cartridge before completely discharged.** *Always stop tool operation and charge the battery cartridge when you notice less tool power.*
- b) **Never recharge a fully charged battery cartridge.** *Overcharging shortens the battery service life.*
- c) **Charge the battery cartridge with room temperature at 10°C-40°C (50°F-104°F).** *Let a hot battery cartridge cool down before charging it.*
- d) **Charge the battery cartridge if you do not use it for a long period (more than six months).**

#### **Important safety instructions for battery cartridge**

- a) **Before using battery cartridge, read all instructions and cautionary markings on battery charger, battery, and) product using battery.**
- b) **Do not disassemble battery cartridge.**
- c) **If operating time has become excessively shorter, stop operating immediately.** *It may result in a risk of overheating, possible burns and even an explosion.*
- d) **If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away.** *It may result in loss of your eyesight.*
- e) **Do not short the battery cartridge:**
  - *Do not touch the terminals with any conductive material.*
  - *Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.*

- *Do not expose battery cartridge to water or rain.*
  - *A battery short can cause a large current flow, overheating, possible burns and even a breakdown.*
- f) **Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50°C (122°F).**
  - g) **Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.**
  - h) **Be careful not to drop or strike battery.**
  - i) **Do not use a damaged battery.**
  - j) **Follow your local regulations relating to disposal of battery.**

### **Tool / battery protection system**

The tool is equipped with a tool/battery protection system. This system automatically cuts off power to the motor to extend tool and battery life. The tool will automatically stop during operation if the tool or battery is placed under one of the following conditions:

#### **Overload protection**

When the battery is operated in a manner that causes it to draw an abnormally high current, the tool automatically stops without any indication. In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

#### **Overheat protection**

When the tool/battery is overheated, the tool stops automatically. In this situation, let the tool/battery cool before turning the tool on again.

### **Transportation**

Batteries comply with all applicable shipping regulations as prescribed by industry and legal standards (for more information, check with the manufacturer).

Transporting batteries can possibly cause fire if the battery terminals inadvertently come in contact with conductive materials. When transporting batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

The information provided in this section of the manual is provided in good faith and believed to be accurate at the time the document was created. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure

that its activities comply with the applicable regulations.

### **Protecting the environment**

Separate collection. This product must not be disposed of with normal household waste.

Should you find one day that your product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.

Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

### **Rechargeable battery pack**

This long-life battery pack must be recharged when it fails to produce sufficient power on jobs which were easily done before. At the end of its technical life, discard it with due care for our environment:

- Run the battery pack down completely, then remove it from the tool.
- Lithium-ion cells are recyclable. Take them to your dealer or a local recycling station. The collected battery packs will be recycled or disposed of properly.

## THE SYMBOLS IN INSTRUCTION MANUAL

|                                                                                     |                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Double insulated for additional protection                                                                                                                                            |
|    | Read the instruction manual before using.                                                                                                                                             |
|    | CE conformity.                                                                                                                                                                        |
|    | Safety alert.<br>Please only use the accessories supported by the manufacturer.                                                                                                       |
|    | Wear safety glasses, hearing protection and dust mask.                                                                                                                                |
|    | Waste electrical products should not be disposed of with household waste.<br>Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. |
|    | Do not expose to rain.                                                                                                                                                                |
|    | Wear gloves                                                                                                                                                                           |
|    | Direct current.                                                                                                                                                                       |
|   | Symbols on the battery and/or on the battery charger This product must be deposited at an appropriate recycling facility (Applies to Europe only)                                     |
|  | Fail-safe transformer                                                                                                                                                                 |
|  | Use and store battery charger only indoors.                                                                                                                                           |

## ADDITIONAL SAFETY WARNING

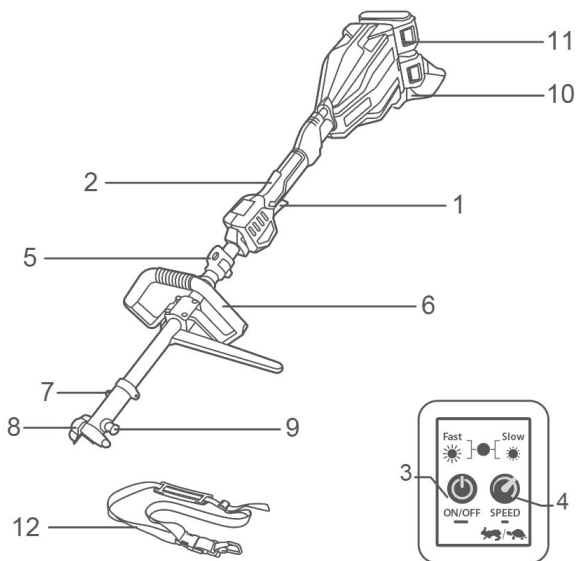
This 40V power head may be used with only the following attachments or subsequently introduced for use with this power head.

| Attachment type            | Model number |
|----------------------------|--------------|
| Line Trimmer /Brush Cutter | CSTLI200388  |
| Pole Saw                   | PSLI40088    |
| Pole Hedge Trimmer         | CHTLI40088   |
| Olive shaker               | COHLI200388  |
| Edger                      | CATLI4015    |
| Cultivator                 | CATLI4016    |

### WARNING!

Additional specific safety rules can be found in the applicable attachment's operator's manual

## SPECIFICATIONS



### Components

- |                                |                              |
|--------------------------------|------------------------------|
| 1. Rear handle                 | 7. Coupler                   |
| 2. Lock-off button             | 8. Wing knob                 |
| 3. Main power button           | 9. Shaft-release button      |
| 4. Speed control button        | 10. Battery protection guard |
| 5. Shoulder-strap mount hanger | 11. Battery pack*            |
| 6. Front-assist Handle         | 12. Shoulder strap           |

\*Not all the accessories illustrated or described are included in standard delivery.

## Technical specifications

| Model No.     | CSTLI2040386<br>CSTLI2040386xy<br>CSTLI204038xy | UCSTLI2040386<br>UCSTLI2040386xy<br>UCSTLI204038xy |
|---------------|-------------------------------------------------|----------------------------------------------------|
| Voltage       | 40V max                                         |                                                    |
| No load speed | 0-5000/0-6500/min                               |                                                    |

**Model No. Note:** x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

- 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.

**⚠ WARNING!**

**Only use original battery pack and battery charger as below for this power tool:**

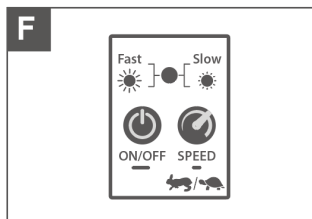
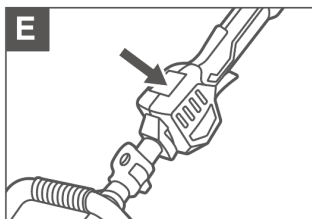
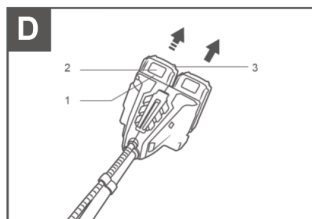
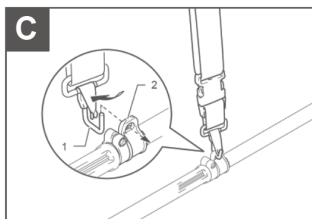
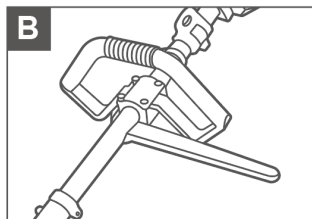
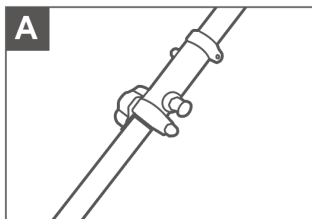
| Product                | Battery pack |                     |                |
|------------------------|--------------|---------------------|----------------|
| Model No.              | Type         | Rated voltage       | Rated capacity |
| FBLI2001<br>FBLI2001xy | Lithium-Ion  | 18.5V d.c., 20V Max | 2.0Ah          |
| FBLI2002<br>FBLI2002xy |              |                     | 4.0Ah          |
| FBLI2003<br>FBLI2003xy |              |                     | 5.0Ah          |

**Model No. NOTE:** x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

| Product                                                | Battery pack charger |                      |                      |                      |
|--------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|
| Model No.                                              | Input power          | Input voltage        | Output rated voltage | Output rated current |
| FCLI2001<br>FCLI2001xy                                 | 50W                  | 220-240V<br>~50/60Hz | 20V d.c.             | 2A                   |
| UFCLI2001<br>UFCLI2001xy                               |                      | 110-120V<br>~50/60Hz |                      |                      |
| FCLI20411<br>FCLI20411xy<br>FCLI2034<br>FCLI2034xy     | 105W                 | 220-240V<br>~50/60Hz | 21V d.c.             | 4A                   |
| UFCLI20411<br>UFCLI20411xy<br>UFCLI2034<br>UFCLI2034xy |                      | 110-120V<br>~50/60Hz |                      |                      |

**Model No. NOTE:** x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

# OPERATION PICTURE



## OPERATION

### Assembly instruction

#### WARNING!

- If any parts are damaged or missing, do not operate this product until the parts are replaced.
- Failure to heed this warning could result in serious personal injury.
- Always remove the battery pack from the product when you are assembling parts, making adjustments, cleaning, or when the product is not in use.

### Installing an attachment to the power head (Figure A)

#### WARNING!

- Read and understand entire Operator's Manual for each optional attachment used on this power head and follow all warnings and instructions. Failure to follow all instructions could result in electric shock, fire and/or serious personal injury.
- This power head is designed to be used only with the attachment models that are specified in this Operator's Manual or subsequently introduced by manufacture for use with this power head. Use of other, unauthorized attachments could cause serious personal injuries or property damage.
- Never install, remove, or adjust any attachment while the power head is running or with the battery installed. Failure to stop the motor and remove the battery can cause serious personal injury. **NEVER OPERATE THE POWER HEAD WITHOUT AN ATTACHMENT.**

### The attachment connects to the power head by means of a coupler device.

1. Stop the motor and remove the battery pack.
2. Loosen the wing knob in anti-clockwise
3. Pull out the Shaft-Release Button and turn it open as show in Figure A
4. Remove the end cap from the attachment. Align the pin hole with shaft-release button and insert the attachment pipe to the end, and turn the release button until you hear a clear "click" sound and the release button is fully closed as show in Figure A.
5. Pull the shaft of the attachment to verify it is securely locked into the coupler. If not, rotate the attachment shaft from side to side in the coupler until it snaps

into place.

6. Tighten the wing knob securely.

### **⚠ WARNING!**

**Be certain the wing knob is fully tightened before operating equipment; check it periodically for tightness during use to avoid serious personal injury.**

### **Removing the attachment from the power head**

1. Stop the motor and remove the battery pack.
2. Loosen the wing knob
3. Pull out the shaft-release button and turn it open, pull or twist the attachment shift out of the coupler.

### **Mounting the front-assist handle (Figure B)**

1. Stop the motor and remove the battery pack, if installed.
2. Loosen the 4 nuts to separate the front- assist handle
3. Mount the front-assist handle on the cushion on the shaft, make sure that the barrier (a) of front-assist handle is on the left side.
4. Tighten the 4 nuts.

### **⚠ WARNING!**

**Never operate the tool without the front- assist handle firmly in place.**

### **Mounting the shoulder strap (Figure C)**

Depress the strap hook to open it and attach it onto shoulder-strap mount hanger on the power head.

## **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.
- Always wear eye protection. Failure to do so could result in objects being thrown into your eyes and other possible serious injuries.
- 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.

- **Never operate the power head without an attachment.**

### Installing or removing battery (Figure D)

#### **CAUTION!**

- **Always switch off the tool before installing or removing of the battery cartridge.**
- **Hold the tool and the battery firmly when installing or removing battery. Failure to hold the tool and the battery firmly when installing or removing battery and result in damage to the tool and battery and a personal injury.**

To remove the battery pack, slide it from the tool while sliding the button on the front of the battery pack.

To install the battery pack, align the tongue on the battery pack 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.

#### **NOTE:**

- This machine will only run when 2 batteries are installed. It is recommended to use the same two batteries and charge the two batteries at the same time. Using two different sized batteries or if one battery isn't fully charged then the machine will only run to the lowest common denominator.
- The batteries are shipped uncharged. Each battery must be fully charged before the first use. Always fully charge the two batteries at same time.

#### **CAUTION!**

- **Always install the battery pack fully. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.**
- **Do not install the battery pack forcibly. If the battery pack does not slide in easily, it is not being inserted correctly.**

### Starting/stopping the power head (Figure E)

#### **To start**

Press the main power button firstly, then press down the lock-off button and hold it in that position. Depress the trigger to turn on the power head. Different pressure on the trigger results in variable rotating speed of the power head. More pressure, higher speed.

## To stop

Release the trigger.

**NOTE:** The motor runs only when the lock-off button and trigger are both pressed.

## Speed adjustment function (Figure F)

The power head has two speeds. Press the-speed control button (4) to choose the suitable speed during operation.

# MAINTENANCE&MALFUNCTIONS

## WARNING!

- **Before inspecting, cleaning or servicing the unit, stop the motor, wait for all moving parts to stop, and remove the battery pack. Failure to follow these instructions can result in serious personal injury or property damage.**
- **When servicing, use only identical replacement parts. Use of any other parts can create a hazard or cause product damage. To ensure safety and reliability, all repairs, other than the items listed in these maintenance instructions, should be performed by a qualified service technician.**

**NOTE:** Before each use, inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced. Please contact customer service or a qualified service technician.

## General maintenance

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean clothes to remove dirt, dust, oil, grease, etc.

## Cleaning the power head

1. Stop the motor and remove the battery pack.
2. Clean dirt and debris from the power head using a damp cloth with a mild detergent.

**NOTE:** Do not use any strong detergents on the plastic housing or the handle. They can be damaged by certain aromatic oils such as pine and lemon.

## Storing the power head

1. Remove the battery pack from the power head before storing.
2. Clean all foreign material from the power head.
3. Store it in a place that is inaccessible to children.
4. Keep away from corrosive agents such as garden chemicals and de-icing salts.

## Troubleshooting table

Before asking for repairs, conduct your own inspection first. If you find a problem that is not explained in the manual, do not attempt to dismantle the tool. Instead, ask Authorized Service Centers, always using recommended replacement parts for repairs.

| State of abnormality                   | Probable cause (malfunction)             | Remedy                                                                 |
|----------------------------------------|------------------------------------------|------------------------------------------------------------------------|
| Motor does not run.                    | Battery pack is not installed            | Install the battery pack                                               |
|                                        | Battery problem (under voltage)          | Recharge the battery. If recharging is not effective, replace battery  |
|                                        | The drive system does not work correctly | Ask your local authorized service center for repair                    |
| Motor stops running after a little use | Battery's charge level is low.           | Recharge the battery. If recharging is not effective, replace battery. |
|                                        | Overheating.                             | Stop using of tool to allow it to cool down.                           |
| It does not reach maximum RPM          | Battery is installed improperly.         | Install the battery pack as described in this manual.                  |
|                                        | Battery power is dropping.               | Recharge the battery. If recharging is not effective, replace battery  |
|                                        | The drive system does not work correctly | Ask your local authorized service center for repair                    |

## THE SYMBOLS IN INSTRUCTION MANUAL

|                                                                                     |                                                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
|    | Read the instruction manual before using.                                                                            |
|    | CE conformity.                                                                                                       |
|    | Safety alert.<br>Please only use the accessories supported by the manufacturer.                                      |
|    | Wear safety glasses, hearing protection and dust mask.                                                               |
|     | The operator of the machine must ensure, while working, that no persons or animals come closer than 15 meters (50ft) |
|    | Keep bystanders away.                                                                                                |
|    | Do not expose to rain.                                                                                               |
|    | Wear gloves                                                                                                          |
|  | Wear foot protection                                                                                                 |
|  | Beware of thrown objects hit by cutting attachments. Never use without properly mounted blade guard.                 |

## ADDITIONAL SAFETY WARNING

### WARNING!

- This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants consult their physician and the medical implant manufacturer before operating this machine.
- Never allow children to use or be in the vicinity of the machine. Since the machine is easy to start, children may be able to start it if they are not kept under full surveillance. This can mean a risk of serious personal injury. Therefore, disconnect the battery when the machine is not under close supervision.

Personal protective equipment.

### IMPORTANT!

- A grass trimmer can be dangerous if used incorrectly or carelessly, and can cause serious or fatal injury to the operator or others. It is extremely important that you read and understand the content of this operator's manual.
- You must use approved personal protective equipment whenever you use the machine. Personal protective equipment cannot eliminate the risk of injury but it will reduce the degree of injury if an accident does happen. Ask your dealer for help in choosing the right equipment.

### WARNING!

Listen out for warning signals or shouts when you are wearing hearing protection. Always remove your hearing protection as soon as the motor stops.

- a) Dress Properly. The clothing worn should be functional and appropriate, i.e., it should be tight-fitting but not cause hindrance. Do not wear either jewelry or clothing which could become entangled with bushes or shrubs. Wear protective hair covering to contain long hair.
- b) In order to avoid either head, eye, hand or foot injuries as well as to protect your hearing the following protective equipment and protective clothing must be used during operation of the equipment.
- c) Always wear a helmet where there is a risk of falling objects. The protective

helmet is to be checked at regular intervals for damage and is to be replaced at the latest after 5 years. Use only approved protective helmets.

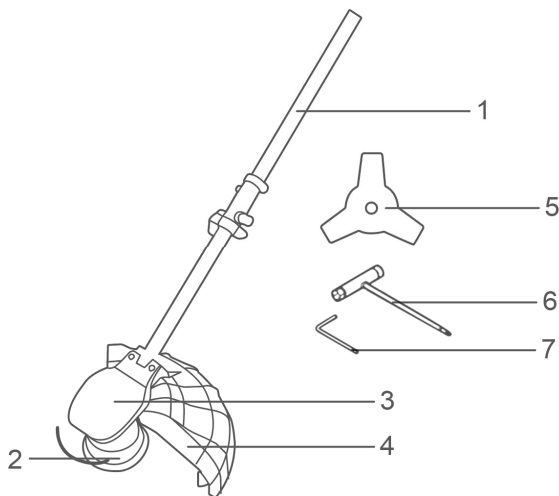
- d) The visor of the helmet (or alternatively goggles) protects the face from flying debris and stones. During operation of the equipment always wear goggles, or a visor to prevent eye injuries.
- e) Wear adequate noise protection equipment to avoid hearing impairment (ear muffs, ear plugs etc.).
- f) The work overalls protect against flying stones and debris. It is strongly recommended that the user wears work overalls.
- g) Special gloves made of thick leather are part of the prescribed equipment and must always be worn during operation of the equipment.
- h) When using the equipment, always wear sturdy shoes with a nonslip sole. This protects against injuries and ensures a good footing.
- i) Wear clothes made of a strong fabric and avoid loose clothing that can catch on twigs and branches. Always wear heavy, long pants. Do not wear jewelry, shorts sandals or go barefoot. Secure hair so it is above shoulder level.

### **SAVE THESE INSTRUCTIONS**

**NOTE:** See your power head operator's manual for additional specific safety rules.

### **INTENDED USE**

This tool is only intended for cutting grass, weeds, bushes and undergrowth. It should not be used for any other purpose such as edging or hedge cutting as this may cause injury.

**SPECIFICATIONS****Components**

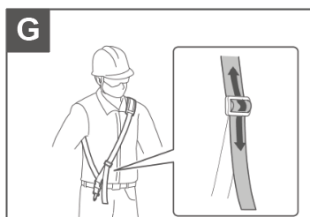
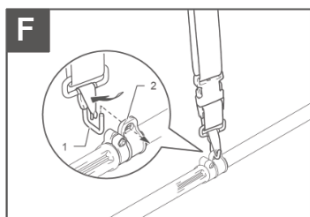
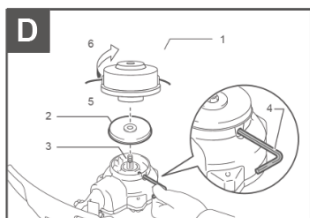
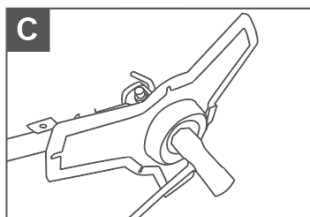
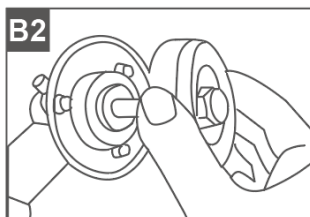
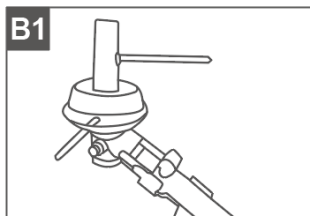
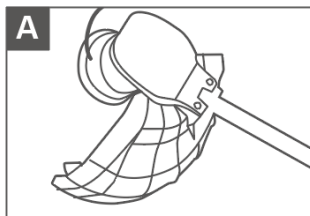
- |                               |                 |
|-------------------------------|-----------------|
| 1. Brush cutter shaft         | 5. Blade        |
| 2. Grass trimmer cutting head | 6. Spark wrench |
| 3. Cover                      | 7. Hex key      |
| 4. Protection guard           |                 |

## Technical specifications

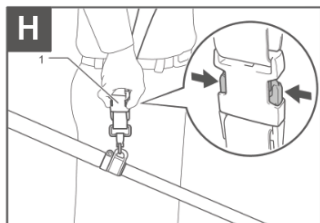
| Model No.                           | CSTLI200388<br>CSTLI200388xy<br>CSTLI20038xy | UCSTLI200388<br>UCSTLI200388xy<br>UCSTLI20038xy |
|-------------------------------------|----------------------------------------------|-------------------------------------------------|
| Brush cutter cutting diameter       | 255mm(10")                                   |                                                 |
| Grass trimmer cutting diameter      | 380mm(15")                                   |                                                 |
| Grass trimmer cutting line diameter | 2.4mm                                        |                                                 |

**Model No. NOTE:** x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

# OPERATION PICTURE



## OPERATION PICTURE



## OPERATON

### WARNING!

- If any parts are damaged or missing, do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.
- Do not attempt to modify this product or create accessories not recommended for use with this brush cutter. Any such alteration or modification is misuse and could result in a hazardous condition leading to possibly serious personal injury.
- Always wear heavy gloves when installing or removing the blade or the guard or doing any maintenance on the blade. Be careful of the blade and protect your hands from being injured by the blade.
- Do not connect to power head until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.
- The correct assembly sequence of the brush cutter attachment is mounting the guard first, and then the blade, and finally attaching to the power head.
- Never operate the tool without the guard and the front-assist handle with barrier bar firmly in place. Failure to comply could result in possible serious personal injury.

### Mounting the guard (Figure A)

Loosen and remove the two screws from the guard, align the protection guard mounting holes and the cover mounting holes with the assembly holes on shaft base, and then lock the guard onto the shaft base with the two screws.

Make sure the guard is fixed, any reverse fixing will cause great danger!

### Mounting the blade (Figure B1, B2, C)

**NOTE:** This attachment can be used as a brush cutter or a grass trimmer. Following assembly is for brush cutter application.

1. The blade is shipped with a sheath. Do not remove it until the blade is installed correctly.
2. Rotate the outer flange to align the slot in the inner flange with the shaft-locking hole in the gear case (Figure B1).

3. Insert the hex key provided into the aligned holes to act as a stabilizer (Fig. B1).
4. Position the brush cutter head against a solid surface for support. With one hand grasping the brush cutter shaft and use the other hand to grasp the spark wrench provided to loosen the nut in the direction of the arrow marked on the outer flange and remove the nut and the outer flange. Save them for reassembly (Figure B2).
5. Mount the blade onto the motor shaft, ensuring that the surface of the blade is flush with the surface of the inner flange bulge. Go on mounting the outer flange and the nut (Figure C). Pre-tighten the nut in COUNTERCLOCKWISE by hand.
6. Rotate the outer flange to align the slot in the inner flange with the shaft-locking hole in the gear case and insert the hex key provided into the aligned holes to act as a stabilizer as previous step 2 & 3 shown.
7. Position the brush cutter head against a solid surface for support. With one hand grasping the blade and use the other hand to grasp the spark wrench provided to tighten the nut opposite the direction of the arrow marked on the outer flange (Figure C).

### **Mounting the grass trimmer cutting head (Figure B1, B2, C)**

Following assembly is for grass trimmer application.

1. Remove the cutting blade, follow the installation procedures in reverse in "MOUNTING THE BLADE".
2. Insert the hex key through the hole in the tool head to lock the shaft as described in "MOUNTING THE BLADE"
3. Place the nylon cutting head onto the spindle and tighten it securely by hand in COUNTERCLOCKWISE.
4. Remove the hex key from the tool head.

To remove the nylon cutting head, follow the installation procedures in reverse.

Connecting the brush cutter attachment to the power head

This brush cutter attachment is designed for use with Power Head from same brand.

See "INSTALLING AN ATTACHMENT TO THE POWER HEAD" section in the power head operator's manual

**⚠ CAUTION!**

- Always use the supplied wrench(es) to remove or to install the cutting tool.
- Be sure to remove the hex key inserted into the tool head after installing the cutting tool.

**NOTE:** The type of the cutting tool(s) supplied as the standard accessory varies depending on the countries. The cutting tool is not included in some specifications of the model.

**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.
- Always wear eye protection, along with hearing protection. Failure to do so could result in objects being thrown into your eyes and other possible serious injuries.

**Using the brush cutter with power head****⚠ WARNING!**

- Dress properly to reduce the risk of injury when operating this tool. Do not wear loose clothing or jewelry. Wear eye and ear/hearing protection. Wear heavy, long pants, boots and gloves. Do not wear short pants or sandals or go barefoot.
- For safe and better operation, put on the shoulder strap across the shoulder. Adjust the shoulder strap in a comfortable operating position (Figure E, F, G). Hold the brush cutter with one hand on the rear handle and the other hand on the front-assist handle. Keep a firm grip with both hands while in operation. The brush cutter should be held at a comfortable position with the rear handle about hip height. Maintain your grip and balance on both feet. Position yourself so that you will not be drawn off balance by the kickback reaction of the cutting blade (Figure I).
- The shoulder strap is also a quick release mechanism in hazardous situation. When emergency occurs, take it off from your shoulder immediately, no matter what way the strap is in. (Figure H)

To cut wild growth and scrub, lower the rotating blade down onto the growth to achieve a chopping effect. Use the brush cutter like a scythe (sweep it to the right and left) at ground level. Do not use the cutting attachment above waist height.

### **⚠ WARNING!**

- **The higher the cutting attachment is off the ground, the greater the risk of injury from cuttings being thrown sideways.**
- **When cutting young stands or other woody materials up to 2cm in diameter, use the left side of the blade to avoid blade thrust situations. Do not attempt to cut woody material with a larger diameter, since the blade may catch or jerk the brush cutter forward. This may cause damage to the blade or the brush cutter or loss of control of the brush cutter, resulting personal injury.**
- **Improper use of a brush cutter blade may cause it to crack, chip, or shatter. Thrown parts may seriously injure the operator or bystander.**

To reduce the risk of personal injury, it is essential to take the following precautions:

1. Avoid contact with hard or solid foreign objects such as stones, rocks or pieces of metal.
2. Never cut wood or shrubs with a stem diameter of more than 2cm.
3. Inspect the blade at a regular short interval for signs of damage. Do not continue working with a damaged blade.
4. Re-sharpen the blade regularly (when it has dulled noticeably) and have it balanced if necessary (performed by a qualified service technician).

### **Blade thrust**

Exercise extreme caution when using the blade with this unit. Blade thrust is the reaction that may occur when the spinning blade contacts anything it cannot cut. This contact may cause the blade to stop for an instant and suddenly “thrust” the unit away from the object that was hit. This reaction can be violent enough to cause the operator to lose control of the unit. Blade thrust can occur without warning if the blade snags, stalls, or binds. This is more likely to occur in areas where it is difficult to see the material being cut. For cutting ease and safety, approach the weeds being cut with the brush cutter from the right to the left. In the event an unexpected object or woody stock is encountered, this practice could minimize the blade thrust reaction.

**Before each use check for damaged/worn parts**

Check the blade, guard and front-assist handle and replace any parts that are cracked, warped, bent, or damaged in any way.

The edge of the blade can dull over time. It is recommended that you turn over the blade to extend the life of the blade and periodically sharpen it (performed by a qualified service technician) or replace it with a new blade when necessary.

**Clean the brush cutter after each use**

See the MAINTENANCE section for cleaning instructions.

** WARNING!**

**Ensure the blade has come to a complete stop before cleaning or servicing the brush cutter. Failure to comply could result in possible serious personal injury.**

**Using the grass trimmer head with power head**

The grass trimmer cutting head is a dual string trimmer head provided with a bump & feed mechanism.

To feed out the nylon cord, tap the cutting head against the ground while rotating.

**NOTE:**

- The bump feed will not operate properly if the nylon cutting head is not rotating.
- If the nylon cord does not feed out while tapping the head, rewind/replace the nylon cord by following the procedures in the section for the maintenance.

**To start/stop the tool**

See “STARTING/STOPPING THE POWER HEAD” section in the power head operator’s manual.

## MAINTENANCE&MALFUNCTIONS

### **WARNING!**

- Before inspecting, cleaning or servicing the unit, stop the motor, wait for all moving parts to stop, and remove the battery pack. Failure to follow these instructions can result in serious personal injury or property damage.
- Always wear heavy gloves when installing or removing the blade or performing any maintenance on the blade. Be careful of the blade and protect your hands from being injured by the blade.
- 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 a qualified service technician.

### **General maintenance**

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean clothes to remove dirt, dust, oil, grease, etc.

### **Clean the unit**

1. Remove the battery
2. After each use, clean the debris, clogged soils or grass on the blade and guard with a soft brush.
3. Wipe the tool surface with a clean cloth moistened with a mild soap solution.
4. Use a small brush or a small vacuum cleaner to clean the air vents on the rear housing.
5. Keep the air vents free of obstructions.

When the blade becomes dull, both of the edges of the blade are dull, please sharpen it performed by a qualified service technician or replace with a new blade as necessary.

### **Replacing the blade**

#### **WARNING!**

- A worn, cracked, or damaged blade can break and pieces of the damaged blade can become dangerous projectiles. Thrown objects can cause

**serious injury. Inspect the blade regularly and do not operate the brush cutter with a worn or damaged blade.**

- **Use proper eye protection while removing, sharpening, and installing the blade.**

## **To remove the blade**

1. Remove the battery.
2. Rotate the outer flange to align the slot in the inner flange with the shaft-locking hole in the gear case and insert the hex key provided into the aligned holes to act as a stabilizer as steps 2 & 3 shown in "MOUNTING THE BLADE" section.
3. Position the brush cutter head against a solid surface for support. With one hand grasping the blade and use the other hand to grasp the spark wrench provided to loosen the nut in the direction of the arrow marked on the outer flange and remove the nut, the outer flange and the worn blade
4. Check and replace the inner flange and the flange cover if they are worn
5. Install the new blade onto the motor shaft as sequence shown in Fig. M. Details follow the steps instructed in step 5, 6 & 7 in "MOUNTING THE BLADE" section.

## **Replacing the nylon cord**

### **WARNING**

- **Use only the nylon cord with diameter specified in this manual. Never use heavier line, metal wire, rope or the like. Failure to do so may cause damage to the tool and result in serious personal injury.**
- **Always remove the nylon cutting head from the tool when replacing the nylon cord.**
- **Make sure that the cover of the nylon cutting head is secured to the housing properly as described below. Failure to properly secure the cover may cause the nylon cutting head to fly apart resulting in serious personal injury.**

Replace the nylon cord if it is not fed any more. The method of replacing the nylon cord varies depending on the type of the nylon cutting head.

## **Storing the unit**

1. Remove the battery pack from the tool.
2. Wear heavy gloves to clean the tool thoroughly.

3. Mount the blade sheath onto the blade for safe saving.
4. Remove the brush cutter attachment from the power head and cover the end cap onto the attachment shaft terminal, if necessary.
5. Store the unit in a dry, well-ventilated area, locked-up or up high, out of the reach of children. Do not store the unit on or adjacent to fertilizers, gasoline, or other chemicals.

## MAINTENANCE&MALFUNCTIONS

Before asking for repairs, conduct your own inspection first. If you find a problem that is not explained in the manual, do not attempt to dismantle the tool. Instead, ask Authorized Service Centers, always using replacement parts for repairs.

| State of abnormality                                        | Probable cause (malfunction)                                                      | Remedy                                                                                       |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Motor does not run                                          | Battery cartridge is not installed correctly.                                     | Install the battery cartridge correctly                                                      |
|                                                             | Battery problem (under voltage)                                                   | Recharge the battery. If recharging is not effective, replace battery                        |
|                                                             | The drive system does not work correctly.                                         | Ask your local authorized service center for repair                                          |
| Motor stops running after a little use                      | Battery's charge level is low.                                                    | Recharge the battery. If recharging is not effective, replace battery                        |
|                                                             | Overheating.                                                                      | Stop using of tool to allow it to cool down                                                  |
| It does not reach maximum RPM                               | Battery is installed improperly                                                   | Install the battery cartridge as described in this manual.                                   |
|                                                             | Battery power is dropping                                                         | Recharge the battery. If recharging is not effective, replace battery.                       |
|                                                             | The drive system does not work correctly                                          | Ask your local authorized service center for repair                                          |
| Cutting tool does not rotate: stop the machine immediately! | Foreign object such as a branch is jammed between the guard and the cutting tool. | Remove the foreign object.                                                                   |
|                                                             | The drive system does not work correctly.                                         | Ask your local authorized service center for repair                                          |
| Abnormal vibration: stop the machine immediately!           | One end of the nylon cord has been broken.                                        | Tap the nylon cutting head against the ground while it is rotating to cause the cord to feed |
|                                                             | The drive system does                                                             | Ask your local authorized                                                                    |

|                                                                     |                                    |                                                                             |
|---------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------|
|                                                                     | not work correctly.                | service center for repair.                                                  |
| Cutting tool and motor cannot stop: Remove the battery immediately! | Electric or electronic malfunction | Remove the battery and ask your local authorized service center for repair. |

## THE SYMBOLS IN INSTRUCTION MANUAL

|                                                                                     |                                                                                                        |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|    | Do not expose to rain.                                                                                 |
|    | WARNING: Beware of thrown objects.                                                                     |
|    | WARNING: Keep bystanders away.                                                                         |
|    | Wear eye and head protection.                                                                          |
|    | Wear slip-resistant footwear.                                                                          |
|    | Wear hand protection.                                                                                  |
|    | Remove battery before adjusting or cleaning, and before leaving the machine unattended for any period. |
|   | Keep hands away from blade.                                                                            |
|  | Do not use the charger if the cord is damaged.                                                         |
|  | Keep sufficient distance to electric power lines.                                                      |

|                                                                                   |                    |
|-----------------------------------------------------------------------------------|--------------------|
|   | Movement direction |
|  | Reaction direction |

## ADDITIONAL SAFETY WARNING

- a) **Keep all parts of the body away from the saw chain.**
- b) **Do not remove cut material nor hold material to be cut when the saw chain is moving. Make sure the tool is switched off and the battery is removed when clearing jammed material.** A moment of inattention while operating the pole pruner may result in serious personal injury.
- c) **Hold the power tool by insulated gripping surfaces, front handle or extended gripping area only, because the saw chain may contact hidden wiring.** Saw chains contacting a "live" wire may make exposed metal parts of the product "live" and could give the operator an electric shock.
- d) **Maintain a firm grip, with both hands on the pole pruner and position your body and arm to allow you to resist any kickback forces.** Kickback forces can be controlled by the operator, if proper precautions are taken. Do not let go of the pole pruner.
- e) **When cutting a branch be alert for kickback.** When the branch is broached, it can bend down and jam the saw chain.
- f) **Carry the pole pruner switched off, always with both hands and the saw chain with bar cover fitted.** Proper handling of the pole pruner will reduce the likelihood of accidental contact with the moving saw chain.
- g) **Do not operate a pole pruner in a tree.** Operation of a pole pruner while climbing or situated in a tree may result in personal injury.
- h) **Always keep proper footing and operate the pruner only, when standing on fixed, secure and level surface.** Slippery or unstable surfaces such as ladders may cause a loss of balance or control of the pruner.
- i) **Follow instructions for lubricating, chain tensioning and changing accessories.** Improperly tensioned or lubricated chain may either break or increase the chance for kickback.
- j) **Keep handles dry, clean, and free from oil and grease.** Greasy, oily handles are slippery causing loss of control.

- k) **Cut wood only. Do not use the pole pruner for purposes that it is not intended**
- l) **For example: do not use the pole pruner for cutting plastic, masonry or non-wood building materials. Use of the pole pruner for operations different than intended for could result in a hazardous situation.**

## **Causes and operator prevention of kickback**

1. Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut.
2. Tip contact in some cases may cause a sudden reverse reaction, kicking the guide bar up and back towards the operator.
3. Pinching the saw chain along the top of the guide bar may push the guide bar rapidly back towards the operator.

Either of these reactions may cause you to lose control of the pole pruner which could result in serious personal injury. As a pole pruner user, you should take several steps to keep your cutting jobs free from accident or injury.

Kickback is the result of incorrect or faulty use of the product. Kickback can be avoided by taking proper precautions as given below:

Only use replacement saw chains specified by the manufacturer.

Incorrect saw chains may cause chain breakage or kickback.

If the bar is damaged and in need of replacement, please consult your Service Center.

Do not sharpen the saw chain on its own. Please obtain the replacement saw chain.

To prevent accidental operation of the saw chain, this chain saw is equipped with a switch with mechanical interlock. To operate the chain saw, the locking button must be pressed before the saw chain starts operating **(See Figure I)**.

Do not use the product without pressing the locking button.

Do not operate this tool with only one hand. Hold the product securely with both hands; one hand to hold the product securely and the other to operate the On/Off switch **(See Figure J)**.

Never allow children, persons with physical, sensory or mental limitations or a lack of experience and/or knowledge and/or people unfamiliar with these instructions to use the machine. Local regulations may restrict the age of the operator.

Children should be supervised to ensure that they do not play with the machine.

When not in use store the pole pruner out of reach of children.

Before operation, check the work area and remove all possible hazards.

**Always wait until the machine has come to a complete stop and remove the battery, before placing the machine down.** The saw chain can jam or kickback and lead to loss of control over the machine.

Switch off the pole pruner when changing the working position.

A cut branch can lead to personal injury by falling on you or springing back from the ground. Cut longer branches in sections. **(See Figure J)**

Reduce force before the branch is completely cut off. You can get injured when losing balance and control of the pruner.

Do not hang the product in a tree when you are not using it. Always place the tool on the ground in a safe place without removing the battery.

## **Safety instructions and recommendations for optimal handling of the battery**

**Ensure the product is switched off before inserting the battery.** Inserting the battery into a product that has the switch on can cause accidents.

**Use only batteries intended specifically for this product.** Use of any other batteries may create a risk of injury and fire.

**Do not open the battery.** There is a risk of short-circuiting.



**Protect the battery against heat (e.g., against continuous intense**



**sunlight), fire, water, and moisture.** There is a risk of explosion.

**Keep the battery not being used away from 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.

**In case of damage and improper use of the battery pack, vapour may be emitted.** Ventilate the area and seek medical help in case of complaints. The vapour can irritate the respiratory system.

**Only use the battery with products from the manufacturer.** This is the only way in which you can protect the battery against dangerous overload.

**The battery can be damaged by pointed objects such as nails or screwdrivers or by force applied externally.** An internal short circuit may occur, causing the battery to burn, smoke, explode or overheat.

**Do not short-circuit the battery.** There is a risk of explosion. Protect the battery against moisture and water.

Store the product and battery only within a temperature range between  $-20^{\circ}\text{C}$  and  $50^{\circ}\text{C}$ . As an example, do not leave the battery in the car in summer. Occasionally clean the venting slots of the battery using a soft, clean and dry brush.

## Maintenance

**Remove battery before adjusting or cleaning, and before leaving the machine unattended for any period.** Always wear gardening gloves when handling or working near the saw chain.

Inspect the product and replace worn or damaged parts for safety.

Make sure all nuts, bolts and screws are tight to ensure safe working with the product.

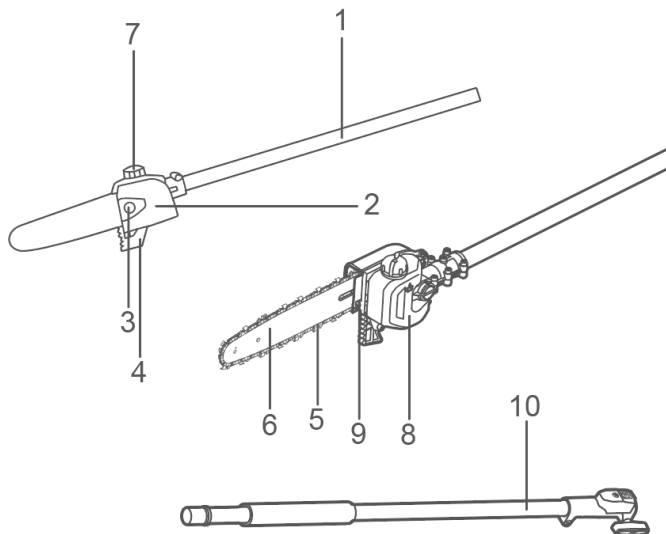
Store the product in a secure, dry place, out of the reach of children. Ensure replacement parts fitted are manufacturer approved.

## INTENDED USE

The machine is intended for domestic use, for pruning trees and shrubs at elevated height, while the user is situated on the ground. The machine is not intended to cut inorganic material or to be used on a ladder or steps. This tool is not intended for commercial or industrial use.

## SPECIFICATIONS

### KNOW YOUR POLE SAW ATTACHMENT



### Components

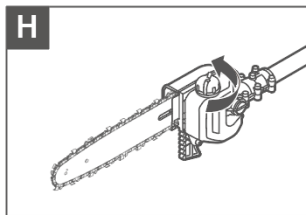
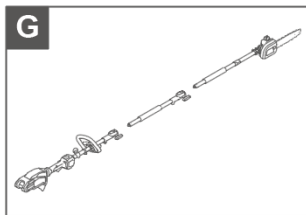
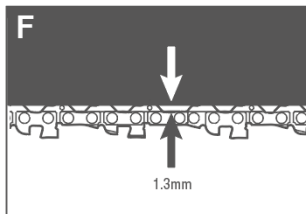
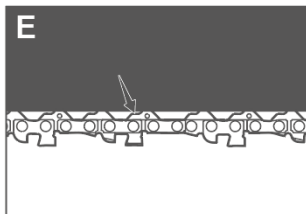
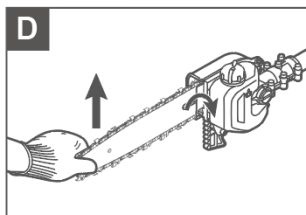
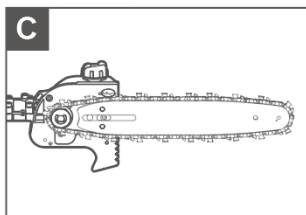
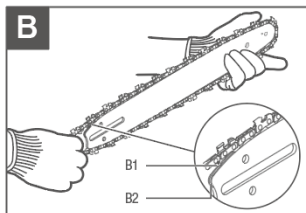
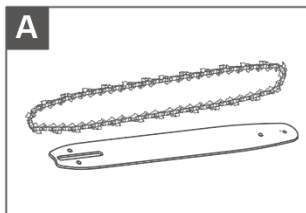
- |                         |                                      |
|-------------------------|--------------------------------------|
| 1. Pole-saw shaft       | 6. Guide bar                         |
| 2. Chain-sprocket cover | 7. Oil-tank cap                      |
| 3. Cover-screw          | 8. Oil tank                          |
| 4. Bucking spikes       | 9. Chain-tensioning screw            |
| 5. Saw chain            | 10. Extension pole (sold separately) |

## Technical specifications

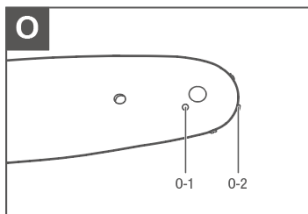
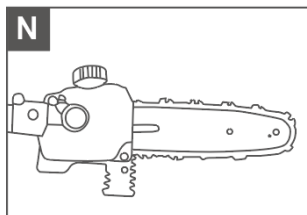
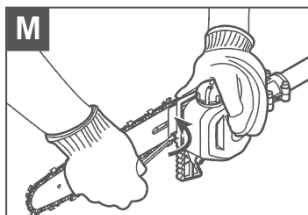
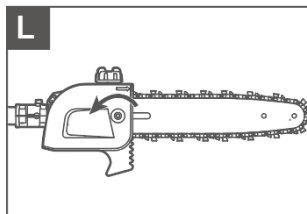
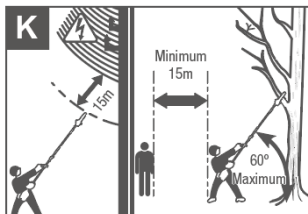
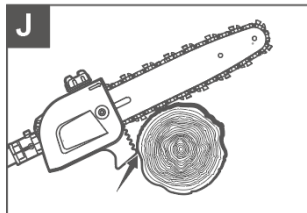
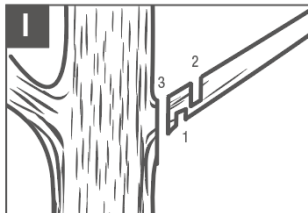
| Model No.              | PSLI40088<br>PSLI40088xy<br>PSLI4008xy | UPSLI40088<br>UPSLI40088xy<br>UPSLI4008xy |
|------------------------|----------------------------------------|-------------------------------------------|
| Chain speed (no-load)  | 15m/s                                  |                                           |
| Blade length           | 200mm (8")                             |                                           |
| Chain type             | 3/8"                                   |                                           |
| Drive link thickness   | 0.043 "(1.1mm)                         |                                           |
| Oil reservoir capacity | 135ml                                  |                                           |

**Model No. NOTE:** x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

# OPERATION PICTURE



# OPERATION PICTURE



## OPERATION

### Assembly

#### WARNING!

- If any parts are damaged or missing, do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.
- Do not attempt to modify this product or create accessories not recommended for use with this pole saw. Any such alteration or modification is misuse and could result in a hazardous condition leading to possibly serious personal injury.
- To prevent accidental starting that could cause serious personal injury, always remove the battery pack from the machine when assembling parts.

### Assembling the bar and chain

1. Unscrew the cover screw and take off the chain-sprocket cover.
2. Lay the new saw chain in a loop on a flat surface and straighten any kinks (Figure A).
3. Place the chain drive links into the guide bar groove. Position the chain so there is a loop at the back of the guide bar (Figure B).
4. Hold the chain in position on the guide bar and place the loop around the sprocket of the pole saw.

**NOTE:** Small directional arrow is printed on the guide bar. Another directional arrow is molded into the tool body (Figure C). When looping the saw chain onto the sprocket, make sure that the direction of the saw chain will **CORRESPOND** to the direction of the arrow on the tool body. If they face in opposite directions, turn over the saw chain and guide bar assembly.

5. Place the guide bar on the mounting surface by sliding the guide bar slot over the alignment bulges, making sure that the tension adjusting pin is inserted in the lower hole in the tail of the bar (Figure C).

**NOTE:** If there is difficulty in inserting the tension adjusting pin into the hole, adjust the chain-tensioning screw properly until the tension adjusting pin is located exactly in the hole.

6. Replace the chain-sprocket cover and the cover screw. Slightly tighten them.
7. Remove all the slack from the chain by turning the chain-tensioning screw clockwise until the chain seats snugly against the guide bar with the drive links

in the guide bar groove and lift the tip of the guide bar to check for sag. Release the tip of the guide bar and turn the chain-tensioning screw once clockwise. Repeat this process until the sag is eliminated (Figure D).

8. Hold the tip of the guide bar up and tighten the chain-sprocket-cover screw securely.

**NOTE:** To extend the guide bar life, invert the bar occasionally.

**NOTE:** If chain is too tight, it will not rotate. Loosen the chain-sprocket-cover screw slightly and turn the tensioning screw 1/4 turn counterclockwise. Lift the tip of the guide bar and retighten the chain-sprocket-cover screw securely. Assure that the chain will rotate without binding.

## Adjusting the chain tension

### CAUTION!

1. Stop the motor and remove the battery pack before adjusting the chain tension.
2. Loosen the cover screw to finger tight.
3. Turn the chain-tensioning screw clockwise to tension the chain. See the “REPLACING THE BAR AND CHAIN” section in this manual for additional information.

A cold chain is correctly tensioned when there is no slack on the underside of the guide bar and the chain is snug, but it can be turned by hand without binding. The chain must be re-tensioned whenever the flats on the drive links do not sit in the bar groove (Figure E).

During normal saw operation, the temperature of the chain will increase. The drive links of a correctly tensioned warm chain will hang approximately 2-3mm out of the bar groove (Figure F).

### **NOTE:**

- New chains tend to stretch; check chain tension frequently and tension as required.
- A chain tensioned while it is warm may be too tight upon cooling. Check the cold tension before next use.

## Connecting the pole saw attachment to the power head

This pole saw attachment is designed for use with Power Head. See “INSTALLING AN ATTACHMENT TO THE POWER HEAD” section in the power head operator’s

manual.

## **Connecting the extension pole between the power head and the pole saw attachment (optional)**

The extension pole extends the cutting range. It should be connected between the power head and the pole saw attachment.

Follow the process in the section “CONNECTING THE POLE SAW ATTACHMENT TO THE POWER HEAD” to install and secure the extension pole between the pole saw attachment and power head (Figure G).

### **⚠ WARNING!**

- **Failure to secure the attachment and power head/extension pole as instructed above could result in serious injury or death.**
- **Never attach or adjust any attachment while the power head is running or with the battery installed. Failure to stop the motor and remove the battery may cause serious personal injury.**

## **Operation**

### **⚠ DANGER!**

**Never cut near power lines, electric cords, or other electric sources. If the bar and chain jams on any electrical cord or line, DO NOT TOUCH THE BAR, CHAIN OR THE ALUMINUM POLE! THEY CAN BECOME ELECTRICALLY LIVE AND MAY BE VERY DANGEROUS.**

Continue to hold the pole saw by the insulated rear handle or lay it down and away from you in a safe manner.

Disconnect the electrical service to the damaged line or cord before attempting to free the bar and chain from the line or cord. Contact with the bar, chain, other conductive parts of the pole saw, or live electric cords or lines could result in death by electrocution or serious injury.

### **⚠ 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.**
- **Always wear eye protection, along with hearing protection. Failure to do so could result in objects being thrown into your eyes and other possible serious injuries.**

- Before each use, inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced.
- To prevent serious personal injury, remove the battery pack from the tool before servicing, cleaning, changing attachments or removing material from the unit.

## Filling oil tank with bar and chain lubricant

### WARNING!

**Do not smoke or bring any fire or flame near the oil or the pole saw. Oil may spill and cause a fire.**

**NOTE:** The pole saw is not filled with oil at the time of purchase. It is essential to fill the tank with chain oil before use. Chain life and cutting capacity depend on optimum lubrication. The chain is automatically lubricated with chain oil during operation. Oil level should also be checked after every 20 minutes of use and refilled as needed.

1. Remove the battery pack from the power head.
2. Clean the oil tank cap and the area around it to ensure that no dirt falls into the oil tank.
3. Place the pole saw attachment upright and rotate the oil tank cap counterclockwise to remove it (Figure H).
4. Carefully pour the bar and chain oil into the tank until it fills to the tank neck. Be careful not to let the oil spill from the opening. Wipe off any excess oil and close the oil tank cap.

**NOTE:** Do not use dirty, used or other contaminated oil. Damage may occur to the bar or chain.

## Preparation for cutting

Refer to “Important Safety Instructions” earlier in this manual for appropriate safety equipment.

Lift the tip of the guide bar to check for any sagging in the chain. The chain is correctly tensioned when there is no sag on the underside of the guide bar and the chain is snug, but it can be turned by hand without binding. If the tension requires adjustment, refer to the “ADJUSTING THE CHAIN TENSION” section in the

instructions.

Check the tension of the cover screw before use. If it is loose, securely tighten the cover screw by turning it clockwise.

Check the sharpness of cutting teeth on the saw chain and make sure the chain is well lubricated.

Wear non-slip gloves for maximum grip and protection. Never stand directly under the limb you are cutting.

Make sure that you have a secure and balanced footing. Watch out for obstacles such as tree stumps, roots and ditches, which could cause you to trip or stumble.

Maintain a proper grip on the unit whenever the motor is running. Hold the unit firmly with both hands.

For safe and better operation, put on the shoulder strap across the shoulder. Adjust the shoulder strap into a comfortable operating position. Following the instructions in the section “MOUNTING THE SHOULDER STRAP” in power head operator’s manual to attach the shoulder strap onto the power head.

### **WARNING!**

**The shoulder strap is also a quick release mechanism in hazardous situation. When an emergency occurs, take it off your shoulder immediately, no matter what way the strap is in.**

## **To start/stop the tool**

See “STARTING/STOPPING THE POWER HEAD” section in the power head operator’s manual.

## **Basic cutting procedure (Figure I & J)**

Follow the steps below to prevent damage to tree or shrub bark. Do not use a back-and-forth sawing motion.

1. Make a shallow first cut (1/4 of limb diameter) on the underside of the limb close to the main limb or trunk.
2. Make a second cut from the top side of the limb outboard from the first cut. Continue the cut through the limb until the limb separates from the tree. Be prepared to balance the weight of the tool when the limb falls.
3. Make a final cut close to trunk.

**NOTE:** For second and final cuts (from top of limb or branch), hold the bucking spikes against the limb being cut (Fig. J). This will help steady the limb and make it

easier to cut with light downward pressure. If you force the cut, damage to the bar, chain, or motor can result in.

4. Release the trigger on the power head as soon as the cut is completed.

**NOTE:** Failure to follow proper cutting procedures will result in the bar and chain binding and becoming pinched or trapped in the limb. If this should happen:

1. Stop the motor and remove the battery pack.
2. If the limb can be reached from the ground, lift the limb while holding the saw.  
This should release the “pinch” and free the saw.
3. If the saw is still trapped, call a professional for assistance.

## Limbing and pruning

This pole saw attachment is designed for trimming small branches and limbs up to 20cm in diameter. For best results, observe the following precautions.

1. Plan the cut carefully. Be aware of the direction in which the branch will fall.

**⚠ WARNING! Branches may fall in unexpected directions. Do not stand directly under the branch being cut.**

2. The most typical cutting application is to position the unit at an angle of 60° or less (Figure K). As the angle of the pole saw shaft to the ground increases, the difficulty of making the first cut (from the underside of limb) increases.
3. Remove long branches in several stages.
4. Cut lower branches first to allow the top branches more room to fall.
5. Work slowly, keeping both hands on the saw with a firm grip. Maintain secure footing and balance.
6. Do not cut from a ladder; this is extremely dangerous. Leave such operations for professionals.
7. Do not make the flush cut next to the main limb or trunk until you have cut off much of limb to reduce the weight. Following proper cutting procedures will prevent stripping the bark from the main member.
8. Do not use the pole saw for felling or bucking.
9. To prevent electrocution, do not operate within 15m of overhead electrical lines and keep bystanders at least 15m away (Figure K).

## MAINTENANCE&MALFUNCTIONS

### WARNING!

- Before inspecting, cleaning or servicing the unit, stop the motor, wait for all moving parts to stop, and remove the battery pack. Failure to follow these instructions can result in serious personal injury or property damage.
- When servicing, use only identical replacement parts. Use of any other parts can create a hazard or cause product damage. To ensure safety and reliability, all repairs, other than the items listed in these maintenance instructions, should be performed by a qualified service technician.

### General maintenance

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean clothes to remove dirt, dust, oil, grease, etc.

### Clean the unit

After each use, remove the battery and clean debris from the chain and guide bar with a soft brush. Wipe the pole saw surface with a clean cloth moistened with a mild soap solution.

Remove the chain-sprocket cover, and then use a soft brush to remove debris from the guide bar, saw chain, sprocket and chain-sprocket cover.

Always clean out wood chips, saw dust, and dirt from the guide bar groove when replacing the saw chain.

**NOTE:** Do not use any strong detergents on the plastic housing or the handle. They can be damaged by certain aromatic oils such as pine and lemon.

### Replacing the bar and chain

#### WARNING!

**Never touch or adjust the chain while the motor is running. The saw chain is very sharp; always wear protective gloves when performing maintenance to the chain.**

**NOTE:** When replacing the guide bar and chain, always use the specified bar and chain combination listed in the specifications.

## Disassembling the worn bar and chain

1. Remove the battery, allow the pole saw to cool and tighten the oil tank cap.
2. Position the pole saw attachment on its side with the chain-sprocket cover is facing upwards.
3. Wear gloves. Using the dual-head wrench provided, loosen the cover screw to remove the screw and the chain-sprocket cover. Clean the chain-sprocket cover with a dry cloth and save it for reassembly (Fig. L).
4. Remove the bar and chain from the mounting surface. Remove the worn chain from the bar.

### NOTE:

- If there is difficulty in removing the bar and chain from the mounting surface, place the pole saw upright, with one hand support the bar, to loosen the chain-tensioning screw counterclockwise with the other hand (Fig. M) and then remove the bar with the chain.
- This is a good time to inspect the drive sprocket for excessive wear or damage.

## Transmission gears lubrication

The transmission gears in the gear case need be lubricated periodically with gear grease. Check the gear case grease level about every 50 hours of operation by removing the sealing screw on the side of the case.

If no grease can be seen on the flanks of the gear, follow the steps below to fill with gear grease up to 3/4 capacity.

Do not completely fill the transmission gears.

1. Position the pole saw attachment on its side with sealing screw (N-1) facing upwards (Figure N).
2. Use a wrench to loosen and remove the injection screw.
3. Use a grease syringe (not included) to inject some grease into the screw hole; do not exceed 3/4 capacity.
4. Tighten the sealing screw after injection.

## Sprocket in guide bar lubrication

The guide bar has a sprocket (O-2) at its tip. It must be lubricated weekly with chain oil injected into the lubricating hole (O-1) by a grease syringe (not included) to extend the guide bar life (Figure O). Turn the guide bar and check that the lubrication hole and chain groove are free from impurities.

## **Transporting and storing**

1. Do not store or transport the pole saw attachment when it is running. Always remove the battery pack before storing or transporting.
2. Always place the guide bar sheath on the guide bar and chain before storing or transporting the pole saw attachment. Use caution to avoid the sharp teeth of the chain.
3. Clean the pole saw thoroughly before storing. Store the pole saw indoors, in a dry place that is locked and/or inaccessible to children and keep away from corrosive agents such as garden chemicals and de-icing salts.
4. If the pole saw attachment is removed from the power head and stored separately, fit the end cap on the attachment shaft to avoid dirt getting into the coupler.

## MAINTENANCE&MALFUNCTIONS

### Troubleshooting

Before asking for repairs, conduct your own inspection first. If you find a problem that is not explained in the manual, do not attempt to dismantle the tool. Instead, ask Authorized Service Centers, always using recommended replacement parts for repairs.

| State of abnormality                   | Probable cause (malfunction)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Remedy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Motor does not run.                    | <ol style="list-style-type: none"> <li>1. The battery pack is not attached to the pole saw.</li> <li>2. No electrical contact between the saw and battery.</li> <li>3. The battery pack is depleted.</li> <li>4. The lock-off button is not depressed before pressing the trigger.</li> <li>5. The battery pack or power head is too hot.</li> <li>6. Saw chain is bound in the wood.</li> <li>7. Debris in bar groove.</li> <li>8. Debris in chain-sprocket cover.</li> </ol> | <ol style="list-style-type: none"> <li>1. Attach the battery pack to the pole saw.</li> <li>2. Remove battery, check contacts and reinstall the battery pack.</li> <li>3. Charge the battery pack.</li> <li>4. Press down the lock-off lever and hold it, then depress the trigger to turn on the pole saw.</li> <li>5. Allow the battery pack or power head to cool until the temperature drops.</li> <li>6. Release the trigger; remove the saw chain and guide bar from the wood, then restart the pole saw.</li> <li>7. Press the saw chain against the wood, move the pole saw back and forth to discharge the debris.</li> <li>8. Remove battery pack, then remove chain-sprocket cover and clean out debris.</li> </ol> |
| Motor runs, but chain does not rotate. | Chain does not engage drive sprocket.                                                                                                                                                                                                                                                                                                                                                                                                                                          | Remove the battery pack and reinstall the chain, making sure that the drive links on the chain are fully seated on the sprocket.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Pole saw does not cut properly.        | <ol style="list-style-type: none"> <li>1. Insufficient chain tension.</li> <li>2. Dull chain.</li> <li>3. Chain installed backwards.</li> <li>4. Worn chain.</li> <li>5. Dry or excessively stretched</li> </ol>                                                                                                                                                                                                                                                               | <ol style="list-style-type: none"> <li>1. Remove the battery pack and readjust the chain tension, following the section "ADJUSTING THE CHAIN TENSION".</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|                                               |                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                               | <p>chain.</p> <p>6. Chain not in bar groove.</p>                                                                                                                           | <ol style="list-style-type: none"> <li>Sharpen the chain cutters by a qualified service technician.</li> <li>Remove the battery pack and reinstall the saw chain, following the section "ASSEMBLING THE BAR AND CHAIN".</li> <li>Remove the battery pack and replace the chain following the section "ASSEMBLING THE BAR AND CHAIN".</li> <li>Check the oil level. Refill the oil tank if necessary.</li> <li>Remove the battery pack and reinstall the saw chain, following the section "ASSEMBLING THE BAR AND CHAIN".</li> </ol> |
| <p>Bar and chain running hot and smoking.</p> | <ol style="list-style-type: none"> <li>Check chain tension for over tightened condition.</li> <li>Chain oil tank is empty.</li> <li>Debris in guide bar groove.</li> </ol> | <ol style="list-style-type: none"> <li>Remove the battery pack and re-tension the saw chain; see the section "ADJUSTING THE CHAIN TENSION".</li> <li>Filling bar and chain lubricant.</li> <li>Clear the debris in the groove.</li> </ol>                                                                                                                                                                                                                                                                                           |

## THE SYMBOLS IN INSTRUCTION MANUAL

|                                                                                     |                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Do not expose to rain.                                                                                                                                                                                                                                                                    |
|    | Read the instruction manual before using.                                                                                                                                                                                                                                                 |
|    | Warning: Beware of thrown objects.                                                                                                                                                                                                                                                        |
|    | Safety alert.<br>Please only use the accessories supported by the manufacturer.                                                                                                                                                                                                           |
|    | Do not use the charger if the cord is damaged.                                                                                                                                                                                                                                            |
|    | Keep sufficient distance to electric power lines.                                                                                                                                                                                                                                         |
|    | Always wear gloves, safety goggles, eye protection and head protection. Further protective equipment such as non-skid safety shoes and a hard hat is recommended. Adequate protective clothing will reduce personal injury by falling branches and accidental contact with the saw chain. |
|  |                                                                                                                                                                                                                                                                                           |
|  |                                                                                                                                                                                                                                                                                           |
|  | Remove battery before adjusting or cleaning, and before leaving the machine unattended for any period.                                                                                                                                                                                    |

## ADDITIONAL SAFETY WARNING

**Keep all parts of the body away from the blade. Do not remove cut material or hold material to be cut when blades are moving.** Blades continue to move after the switch is turned 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 blade stopped and taking care not to operate any power switch.** Proper carrying of the hedge trimmer will decrease the risk of inadvertent starting and resultant personal injury from the blades.

- When transporting or storing the hedge trimmer, always fit the blade cover. Proper handling of the hedge trimmer will decrease the risk of personal injury from the blades.
- When clearing jammed material or servicing the unit, make sure all power switches are off and the battery pack is removed or disconnected. Unexpected actuation of the hedge trimmer while clearing jammed material or servicing may result in serious personal injury.
- Hold the hedge trimmer by insulated gripping surfaces only, because the blade may contact hidden wiring. Blades contacting a "live" wire may make exposed metal parts of the hedge trimmer "live" and could give the operator an electric shock.

**Keep all power cords and cables away from cutting area.** Power cords or cables may be hidden in hedges or bushes and can be accidentally cut by the blade. Do not use the hedge trimmer in bad weather conditions, especially when there is a risk of lightning. This decreases the risk of being struck by lightning.

### Extended-reach hedge trimmer safety warnings

To reduce the risk of electrocution, never use the extended reach hedge trimmer near any electrical power lines. Contact with or use near power lines may cause serious injury or electric shock resulting in death.

Always use two hands when operating the extended- reach hedge trimmer. Hold the extended reach hedge trimmer with both hands to avoid loss of control.

**Always use head protection when operating the extended reach hedge trimmer overhead.** Falling debris can result in serious personal injury.

### Additional safety warnings

This tool is not intended for use by persons (including children) with reduced

physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

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

**When working with the machine, always hold it firmly with both hands and provide for a secure stance.** The power tool is guided more secure with both hands.

Always ensure all handles and guards are fitted when using the machine. Never attempt to use an incomplete machine or one fitted with an unauthorized modification.

Always lubricate the cutting blade with protective spray before use.

Always wait until the machine has come to a complete stop before placing it down.

- Other persons and animals should remain at a distance of 3 meters or more when the machine is being used. The operator is responsible for third persons in the working area.
- Never grasp the blade of the hedge trimmer.
- Children or persons unfamiliar with these instructions must not operate the hedge trimmer. Local regulations may restrict the age of the operator.
- Never cut a hedge while people, especially children or pets, are nearby.
- The user is responsible for accidents or hazards occurring to other people or their property.
- Do not operate the hedge trimmer when barefoot or wearing open sandals, always wear substantial footwear and long trousers. The use of sturdy gloves, non-skid footwear and safety glasses is recommended. Do not wear loose clothing or jewellery which can be caught in moving parts. Thoroughly inspect the area where the hedge trimmer is to be used and remove all wires and other foreign objects. Prior to operation, check cutter blades, blade bolts and cutter assembly for wear or damage. Do not operate with a damaged or excessively worn cutting device.
- Know how to stop the hedge trimmer quickly in an emergency.
- Cut a hedge only in daylight or in good artificial light. Never operate the hedge trimmer with defective guards or without the guard in place.
- Always ensure all handles and guards supplied are fitted when using the hedge trimmer. Never attempt to use an incomplete hedge trimmer or one with an unauthorized modification.

- Never hold the hedge trimmer by the guard.
- When operating the hedge trimmer, ensure to keep proper footing and balance at all times.
- Always be aware of your surroundings and stay alert for possible hazards that you may not hear whilst operating the hedge trimmer.
- Keep all nuts, bolts and screws tight to ensure that the hedge trimmer is always in a safe working condition.
- The hedge trimmer should be stored in a dry, high or locked up place out of the reach of children.
- Replace worn or damaged parts for safety.
- Do not attempt to repair the machine unless you are qualified to do so.
- Ensure replacement parts fitted are manufacture approved. To prevent accidental contact with the cutting blade, this hedge trimmer is equipped with a switch with mechanical interlock. To operate the hedge trimmer, the locking button must be pressed before the blade functions (see figure I).
- Do not use the product without pressing the locking button. Do not operate this tool with only one hand. Hold the product securely with both hands; one hand to hold the product securely and the other to operate the On/Off switch. **(see Figure I)**

### **Safety Instructions and recommendations for optimal handling of the battery**

- Ensure the product is switched off before inserting the battery. Inserting the battery into a product that has the switch on can cause accidents.
- Use only batteries intended specifically for this product. Use of any other batteries may create a risk of injury and fire.
- Do not open the battery. There is a risk of short-circuiting
- Keep the battery not being used away from 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.
- In case of damage and improper use of the battery pack, vapour may be emitted. Ventilate the area and seek medical help in case of complaints. The vapour can irritate the respiratory system.
- Only use the battery with products from the manufacturer. This is the only way in which you can protect the battery against dangerous overload.
- The battery can be damaged by pointed objects such as nails or screwdrivers

or by force applied externally.

- An internal short circuit may occur, causing the battery to burn, smoke, explode or overheat.
- Do not short-circuit the battery. There is a risk of explosion.
- Protect the battery against moisture and water.
- Store the product and battery only within a temperature range between  $-20^{\circ}\text{C}$  and  $50^{\circ}\text{C}$ . As an example, do not leave the battery in the car in summer.
- Occasionally clean the venting slots of the battery using a soft, clean and dry brush.

## Maintenance

Remove battery before adjusting or cleaning, and before leaving the machine unattended for any period.

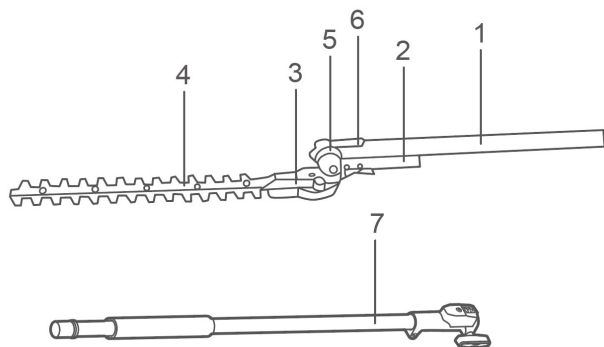
- Always wear gardening gloves when handling or working near the sharp blades.
- Inspect the product and replace worn or damaged parts for safety.
- Make sure all nuts, bolts and screws are tight to ensure safe working with the product.
- Ensure replacement parts fitted are manufacture approved. Always lubricate the cutting blade with protective spray before use

## INTENDED USE

The machine is intended for domestic use, for cutting and trimming hedges and bushes at elevated height, while the user is situated on the ground. The machine is not intended to be used on a ladder or steps. The machine is not designed to cut grass and cannot be used as a grass trimmer. This tool is not intended for commercial or industrial use.

## SPECIFICATIONS

### Know your hedge trimmer attachment



#### Components

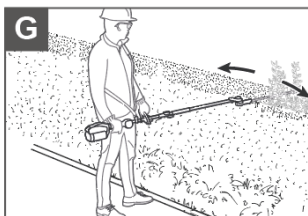
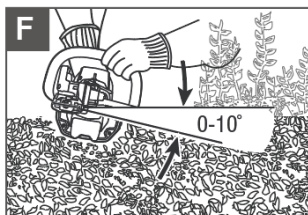
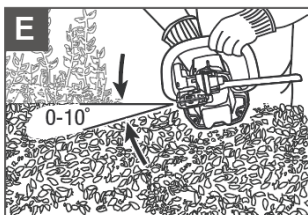
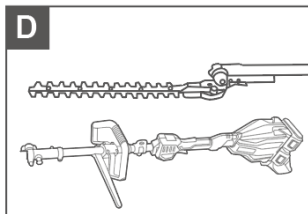
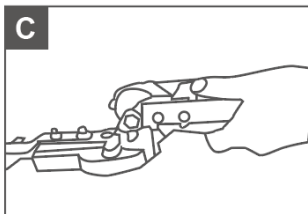
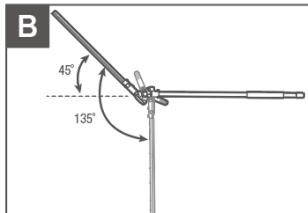
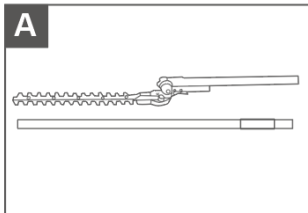
1. Hedge trimmer shaft
2. Adjusting lever
3. Gear case
4. Cutting blade
5. Quadrant
6. Trigger
7. Extension pole (sold separately)

#### Technical specifications

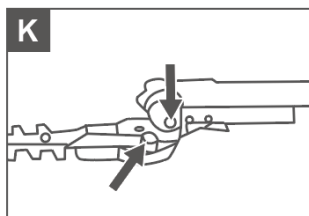
| Model No.              | CHTLI40088<br>CHTLI40088xy<br>CHTLI4008xy | UCHTLI40088<br>UCHTLI40088xy<br>UCHTLI4008xy |
|------------------------|-------------------------------------------|----------------------------------------------|
| Stroke rate at no-load | 2800/min                                  |                                              |
| Blade cutting length   | 380mm                                     |                                              |
| Tooth opening          | 23mm                                      |                                              |

**Model No. NOTE:** x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

# OPERATION PICTURE



# OPERATION PICTURE



## OPERATON

### Assembly instruction

#### WARNING!

- If any parts are damaged or missing, do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.
- Do not attempt to modify this product or create accessories not recommended for use with this hedge trimmer. Any such alteration or modification is misuse and could result in a hazardous condition leading to possibly serious personal injury.
- Never attach or adjust any attachment while the power head is running or with the battery installed. Failure to stop the motor and remove the battery may cause serious personal injury.

### Adjusting the cutting blade (Figure A, B, C)

When the hedge trimmer is removed from the package, it is folded in its storage position where the cutting blade is against the shaft (Fig. A). It is recommended to adjust the cutting blade to a suitable working position before attaching it to the power head.

There are 12 possible working positions. The angle of the cutting blade can be adjusted upwards in 5 stages from 0° (straight) to 75°, not including 0°, and downwards in 7 stages from 0° to 90° (right angle facing down) (Figure B), including 0°.

1. Press the trigger and the adjusting lever and meanwhile rotate the adjusting lever to adjust the cutting blade to the desired cutting position (Figure D).
2. Once the desired position has been reached, release the trigger. An audible click indicates that the locking pin is engaged in the quadrant, right located into place (Figure C).

#### WARNING!

- To reduce the risk of injury, carry out the adjustment only when the cutting blades are at a standstill. Never touch the blades while making adjustments.
- To reduce the risk of injury, always stop the tool and fit the blade scabbard before moving the cutting blade to the storage position or from the storage position to the normal working position.

## **Connecting/removing the hedge trimmer attachment to the power head (Figure D)**

This hedge trimmer attachment is designed for use with LITHIUM-ION Power Head. Detail working techniques please see “WORKING TECHNIQUES” section in this manual.

**See “INSTALLING AN ATTACHMENT TO THE POWER HEAD” section in the power head operator’s manual for connecting the hedge trimmer to the power head.**

**See “REMOVING THE ATTACHMENT FROM THE POWER HEAD” section in the power head operator’s manual to remove the hedge trimmer from the power head.**

## **Connecting the extension pole between the power head and the pole saw attachment (optional)**

The extension pole extends the cutting range. It should to be connected between the power head and the pole saw attachment.

Follow the process in the section “CONNECTING THE POLE SAW ATTACHMENT TO THE POWER HEAD” to install and secure the extension pole between the pole saw attachment and power head (Figure D).

### **⚠ WARNING!**

- Failure to secure the attachment and power head/extension pole as instructed above could result in serious injury or death.
- Never attach or adjust any attachment while the power head is running or with the battery installed. Failure to stop the motor and remove the battery may cause serious personal injury.

## **Operation**

### **⚠ DANGER!**

**Never cut near power lines, electric cords, or other electric sources. If the cutting blades jam on any electrical cord or line, DO NOT TOUCH THE CUTTING BLADE OR THE ALUMINUM POLE! THEY CAN BECOME ELECTRICALLY LIVE AND MAY BE VERY DANGEROUS.**

Continue to hold the hedge trimmer by the insulated rear handle or lay it down and away from you in a safe manner. Disconnect the electrical service to the damaged line or cord before attempting to free the cutting blade from the line or cord. Contact

with the cutting blade, other conductive parts of the hedge trimmer or live electric cords or lines will result in death by electrocution or serious injury.

### **⚠ 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.**
- **Always wear eye protection, along with hearing protection. Failure to do so could result in objects being thrown into your eyes and other possible serious injuries.**
- **Before each use, inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced.**
- **To prevent serious personal injury, remove the battery pack from the tool before servicing, cleaning, changing attachments or removing material from the unit.**

### **After each use, clean the tool**

See the Maintenance section for cleaning instructions.

### **Using the hedge trimmer with power head**

#### **⚠ WARNING!**

**Dress properly to reduce the risk of injury when operating this tool. Do not wear loose clothing or jewelry. Wear eye and ear/hearing protection. Wear heavy, long pants, boots and gloves. Do not wear short pants or sandals or go barefoot.**

### **Preparation for cutting**

1. Adjusting the cutting blade to the desired working position.
2. Remove the blade scabbard from the cutting blade.
3. For safe and better operation, put on the shoulder strap across the shoulder. Adjust the shoulder strap into a comfortable operating position. Following the instructions in the section "MOUNTING THE SHOULDER STRAP" in power head operator's manual to attach the shoulder strap onto the power head.

**⚠ WARNING!**

The shoulder strap is also a quick release mechanism in hazardous situation. When an emergency occurs, take it off your shoulder immediately, no matter what way the strap is in.

**Working techniques (Figure E~J)**

- **Horizontal Cutting (with cutting blade at an angle):** Cut close to the ground from a standing position, e.g., low shrubs.  
Swing the cutting blade up and down as you move along the hedge – use both sides of the cutting blades, do not rest the cutter blade on the ground.
- **Horizontal Cutting (with straight cutting blade)** Hold the cutting blade at an angle of 0° to 10° as you swing the hedge trimmer horizontally. Swing the cutting blade in an arc towards the outsides of the hedge so that the cuttings are swept to the ground (Figure E, F & G).  
Recommendation: Only cut hedges that are no more than chest height in this working position.
- **Vertical Cutting (with cutting blade at an angle):**  
Cutting without standing directly next to the hedge, flowerbed between operator and hedge.  
In this cutting position, swing the cutting blade up and down in an arc as you move along the hedge – use both sides of the cutting blade (Figure H).  
Vertical Cutting (with straight cutting blade):  
Extra-long reach without the need for other aids.  
Swing the cutting blade up and down in an arc as you move along the hedge – use both sides of the cutting blade (Figure I).
- **Overhead Cutting (with cutting blade at an angle)** Hold the hedge trimmer vertically and swing it in an arc to make maximum use of its reach (Figure J).  
For extreme high hedge, the extension pole is suitable for aids in trimming.

**⚠ WARNING!**

Any working position above head height is tiring. To minimize the risk of accidents, work in such positions for short periods only. Set angle of adjustable cutting blade to maximum so that the tool can be held in a lower, less tiring position (with shoulder strap) while still providing adequate reach.

## To start/stop the tool

See “STARTING/STOPPING THE POWER HEAD” section in the power head operator’s manual.

## MAINTENANCE&MALFUNCTIONS

### WARNING!

- Before inspecting, cleaning or servicing the unit, stop the motor, wait for all moving parts to stop, and remove the battery pack. Failure to follow these instructions can result in serious personal injury or property damage.
- When servicing, use only identical replacement parts. Use of any other parts can create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by a qualified service technician.

## General maintenance

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean clothes to remove dirt, dust, oil, grease, etc.

## Clean the unit

- Use a soft brush to remove debris from all air intakes and 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.
- Do not use any strong detergents on the plastic housing or the handle. They can be damaged by certain aromatic oils, such as pine and lemon, and by solvents such as kerosene. Moisture can also cause a shock hazard. Wipe off any moisture with a soft dry cloth. Never use water for cleaning the tool.

## Sharpening the cutting blade

When cutting performance and behavior begin to deteriorate, i.e., blades frequently snag on branches: Resharpener the cutting blades.

It is recommended to have the cutting blades sharpened by a qualified service technician.

**NOTE:** 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

To prevent rust, it is recommended to lubricate the blades with anti-rusting oil when it is stored for long time.

### 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.**

## Transmission gears lubrication

The transmission gears in the gear case need to be lubricated periodically with gear grease. Check the gear case grease level about every 50 hours of operation by removing the sealing screw on the gear case. There are three sealing screws with one on the side and two on the top.

If no grease can be seen on the flanks of the gear, follow the steps below to fill with gear grease up to 3/4 capacity. Do not completely fill the transmission gears.

1. Depending on which screw (k-1,k-2) you are removing, hold the hedge trimmer on its side or lay it on its back so that the sealing screw to be removed is facing upwards (Figure K).
2. Use the wrench (not included) to loosen and remove the sealing screw.
3. Use a grease syringe (not included) to inject some grease into the screw hole; do not exceed 3/4 capacity.
4. Tighten the sealing screw after injection.

## Storing the unit

- Remove the battery pack from the tool.
- Clean the tool thoroughly before storing it.
- Put on the blade scabbard onto the cutting blade before storing or transporting. Use caution to avoid the sharp teeth of the blades. For saving space, it is recommended to fold the hedge trimmer to its storage position (see Fig. B).
- If the hedge trimmer is removed from the power head and stored separately, fit the end cap on the attachment shaft to avoid dirt getting into the coupler.

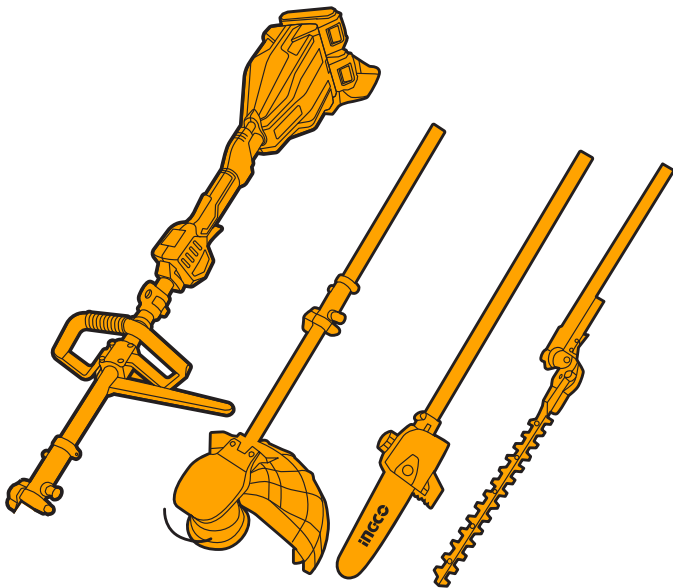
- Store the unit in a dry, well-ventilated area, locked-up or up high, out of the reach of children. Do not store the unit on or adjacent to fertilizers, gasoline, or other chemicals.

## MAINTENANCE&MALFUNCTIONS

### Troubleshooting

| PROBLEM                       | CAUSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SOLUTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hedge Trimmer does not work.  | <ol style="list-style-type: none"> <li>1. The battery pack is not attached to the hedge trimmer.</li> <li>2. No electrical contact between the hedge trimmer and battery.</li> <li>3. The battery pack is depleted.</li> <li>4. The lock-off button is not depressed before pressing the trigger.</li> <li>5. The battery pack or power head is too hot.</li> <li>6. The blade is jammed.</li> <li>7. The hedge trimmer is not well connected with the power head.</li> </ol> | <ol style="list-style-type: none"> <li>1. Attach the battery pack to the hedge trimmer.</li> <li>2. Remove battery, check contacts and reinstall the battery pack.</li> <li>3. Charge the battery pack.</li> <li>4. Press down the lock-off lever and hold it, then depress the trigger to turn on the tool.</li> <li>5. Allow the battery pack or power head to cool until the temperature drops.</li> <li>6. Remove the battery pack from the tool. Remove the obstruction carefully and then reinsert the battery and restart the tool.</li> <li>7. Disconnect the hedge trimmer from the power head. Reconnect them following the section "INSTALLING AN ATTACHMENT TO THE POWER HEAD" in power head operator's manual.</li> </ol> |
| Excessive vibration or noise. | <ol style="list-style-type: none"> <li>1. Dry or corroded blades.</li> <li>2. Blades or blade support is bent.</li> <li>3. Bent or damaged teeth.</li> <li>4. Loose blade bolts.</li> </ol>                                                                                                                                                                                                                                                                                   | <ol style="list-style-type: none"> <li>1. Lubricate the blades.</li> <li>2. Replace with a new blade or support. Contact service center for blade or support replacement.</li> <li>3. Replace with a new blade or support. Contact service center for blade or support replacement.</li> <li>4. Tighten the blade bolts. Using a wrench, (not included), turn the bolt clockwise to tighten.</li> </ol>                                                                                                                                                                                                                                                                                                                                |





MADE IN CHINA 0924.V01

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