

TECHNICAL SPECIFICATIONS

PRODUCT CODE	• 144BL	• 144GC	• 144GT	• 144HT
MOTOR TYPE	• Hongyang #775	• Hongyang #550	• Hongyang #550	• Hongyang #550
RATED VOLTAGE	• 14.4V	• 14.4V	• 14.4V	• 14.4V
OPERATION TIME	• 10mins / 15mins	• 25mins	• 15mins	• 25mins
FEATURE	• Suck and Blow	• Light Weight	• 160mm Cut	• 350mm Cut
ACCESSORY FITTING	• 144BL-BG	• Stainless Steel	• 144GT-BL	• Stainless Steel
WEIGHT WITH 144BP15	• 1.42kg (3.1lb)	• 1.18kg (2.6 lb)	• 1.10kg (2.4 lb)	• 1.76kg (3.9 lb)

This product is sold in several configurations. The Rating Label is fixed inside the battery compartment, check the codes on the Rating Label on your product match those in this user manual. The Rating Label will show basic warnings and specifications. The images and descriptions in this user manual may differ from your product. For features or accessories not covered by this manual or if you are unsure about a feature or function contact your supplier or visit www.cel-global.com where you can find updated user manuals and compatible parts.

No person should use this product without first reading and understanding all documentation and warning labels and those from accessories and attachments used. Keep these instructions safe and provide them to all users. For use only as outlined in this document, any other use will be considered as misuse.



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IMPORTANT SAFETY NOTES

Intended use of 144BL
This product is intended for light duties for short periods of time on small dry debris and dust. It must not be used to suck up liquids or damp materials or harmful dust particles as part of a safety system.

Intended use of 144GC
This product is intended for light garden maintenance cutting soft plant matter such as grass up to 5mm in diameter. This tool is not intended for use as a hedge trimmer.

Intended use of 144GT
This product is intended for light garden maintenance cutting soft plant matter such as grass up to 5mm in diameter. This tool is not intended for heavy clearing or for cutting thick fibrous stems.

Intended use of 144HT
This product is intended for light garden maintenance cutting hedge stems up to 7mm in diameter. This tool is not intended for cutting thick fibrous stems or for cutting with the full length of the blade at maximum capacity.

General Safety Rules for Power Tools
Read all warnings and all instructions.
Failure to follow the warnings and instructions 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 tools plus compatible chargers and accessories.

- 1) Work area safety**
- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
 - Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
 - Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- 2) Electrical safety**
- 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. Always fully uncoil cables to avoid heat buildup.
- 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.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 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 and moving parts.

- Damaged or entangled cords increase the risk of electric shock.
- 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. Fully uncoil all cords in use.
- 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**
- 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.
 - Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, and/or hearing protection used for appropriate conditions will reduce personal injuries. Be aware of dangerous conditions that can occur while working on certain materials. Take appropriate measures to reduce risk. For example; Oak and Beech can give off harmful dust. Use dust extraction and respiratory protection along with other safety precautions.
 - 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.
 - 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.
 - Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

- 4) Power tool use and care**
- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
 - Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
 - Disconnect the plug from the power source and/or the battery pack 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.
 - Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
 - Maintain power tools. 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.
 - Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - Use the power tool, accessories 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.

- 5) Battery tool use and care**
- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
 - Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
 - When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the

- battery terminals together may cause burns or a fire.
 - Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- 6) Service**
Have your power tool serviced by a qualified and approved repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Additional Safety Warnings for Garden Products

- Check the work area for any protruding nails, screw heads, wire or cable, wildlife and pets or anything that could damage, surprise or obstruct the product or the user.

- Before cutting any plants, learn the names and risks related to those plants. Some plants can cause skin irritation or worse. Some people react differently to plants and plant matter.

- Check local rules for wildlife nesting periods and other restrictions to outdoor work.

- Never use the product near flammable liquids or gases.

- Allow the product to stop completely before opening it or removing cuttings or debris or removing the battery.

- Keep hands away from moving parts.

- Only work in weather conditions which are safe and do not expose any part of the tool or it's accessories to water.

- Never operate tools where the tool, flying or falling debris could injure or harm persons of property.

- When additional height is required to reach an object or to be cut always use a suitable and safe platform designed for the intended use.

- Never lean out of a platform or ladder to cut or to clear debris, move the platform to a safe position or use a different method.

If you experience any problems with the product please contact your supplier or find your regional office via the website: www.cel-global.com

Guarantee
Normal wear and tear, including accessory wear, is not covered under guarantee. Following successful registration, the product is guaranteed for domestic use against manufacturing faults for a period of 24 months. Proper care is required to maintain this product in working condition. This product is not guaranteed for hire purposes. If you have any questions, please contact us.

Declaration of Conformity
We declare under our sole responsibility that the products described in "Technical Specifications" is in conformity with required CE, RoHS and standards or standardisation documents.

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WARNING SYMBOLS

- GENERAL HAZARD
- READ INSTRUCTIONS
- PROTECT VISION, HEARING, RESPIRATION
- FLYING DEBRIS
- BE AWARE OF OTHERS
- KEEP DRY
- PROTECT FROM OVERHEATING
- WEAR APPROPRIATE CLOTHING
- SHARP BLADES

This user manual refers to the battery 144BP15 which is covered in another user manual. There are specific sections which are applicable only to the 144BL Garden Blower, the 144GC Grass Clippers, the 144GT Grass Trimmer and the 144HT Hedge Trimmer. Users must read and understand all warnings and documentation relevant to attachments, accessories and materials used. If absent, replacement user manuals can be found via www.cel-global.com

User Manual Blower / Vacuum Grass Clippers Grass Trimmer Hedge Trimmer



- 144BL Blower / Vacuum**
 - 1 Dust Bag
 - 2 Blower Nozzle
 - 3 Air Inlet
 - 4 Air Outlet
 - 5 Battery Fitting
- 144GC Grass Clippers**
 - 6 Blades
 - 7 Battery Fitting
- 144GT Grass Trimmer**
 - 8 Adjustable Handle
 - 9 Nylon Blade
 - 10 Battery Fitting
- 144HT Hedge Trimmer**
 - 11 Clipping Sweep
 - 12 Battery Fitting

GARDEN 14.4V
CEL

PREPARATION

Read and understand all safety warnings and all instructions before operating this product.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

WARNING! For AC products and devices; check that input voltages on the rating plates and the plug types match your local mains supply. If different, contact your supplier immediately and follow their advice. Do not modify the charger or plug in any way. For DC products; only use batteries and chargers specifically recommended by the manufacturer.

Prepare for use

1. Charge your battery as described in the documents provided with the battery.
2. Clear the work area so footing is safe and stable, remove obstructions and check for hidden dangers.
3. Check local restrictions on garden work relating to wildlife. Inspect the work area for wildlife and pets and relocate before starting.
4. Fit an appropriate accessory to your tool as described in the following sections. Check it is properly seated and secured.
5. Fit a charged battery as described in the documents provided with the battery, check it is secure, ensure the moving parts are free to turn or move without doing any harm and run the product briefly to test both the battery and the alignment of the accessory. Adjust and retest as required.

To start/stop the Blower / Vacuum

Pressing button marked **HIGH** will start the Blower in high speed mode, press it again to switch to low suction mode. The button marked OFF will stop the motor.

To start/stop the Grass Clippers, Grass Trimmer or Hedge Trimmer

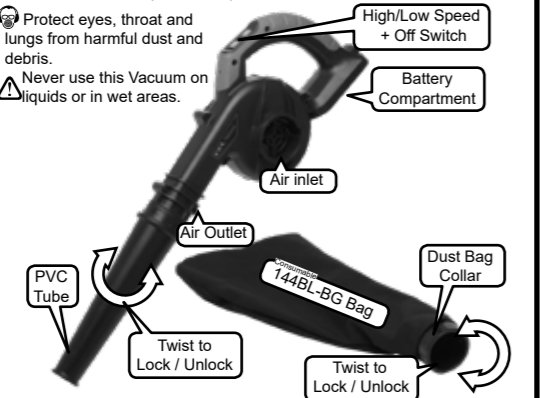
Press the trigger lock button in then squeeze the trigger to start the motor. The lock button can be released while the trigger is held.

WARNING!

The battery is designed to switch off when the charge level is low, this is to protect the lithium ion cells from overdischarge which would cause a permanent failure. DO NOT restart the device after it has switched itself off, to do so may cause a failure due to overdischarge which will not be covered by any warranty.

I44BL Blower / Vacuum

Blow debris from patios and paths then convert to vacuum to finish.



Protect eyes, throat and lungs from harmful dust and debris.

Never use this Vacuum on liquids or in wet areas.

Remove all batteries and power supplies before doing any maintenance or cleaning of the product.

Never use the Vacuum without a Dust Bag properly fitted completely dry and in good condition. To do so may expose the user to fine particles harmful to health.

Assemble the Blower

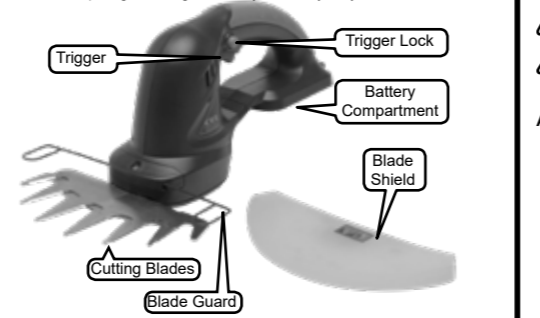
Lugs inside the PVC tube align with a slot on the Air Outlet, align these and rotate the tube so it locks in place. Clean and store the vacuum bag in a dry place while not in use.

Assemble the Vacuum

Remove the PVC tube from the Air Outlet by twisting it by 20° then pulling it gently away. Fit the PVC tube to the Air Inlet by aligning the lugs on the tube with the slots on the inlet, secure in place by twisting the tube. Fit the clean dust bag onto the Air Outlet by aligning the lugs on the Dust Bag Collar with the slots on the outlet tube. Twist the Bag Collar to lock in place.

I44GC Grass Clippers

Keep edges and garden tidy the easy way.



Sharp blades! Never cut near fingers. Remove battery before clearing jammed debris or performing maintenance.

Before and after use

With the battery removed, slide the Blade Shield off the front of the blades. Check the blades for damage and trapped debris. Clean the blades if required using a light oil in combination with a soft brush or clean rag. Clean the blades and Replace the Blade Shield when the tool is not in use.

Starting

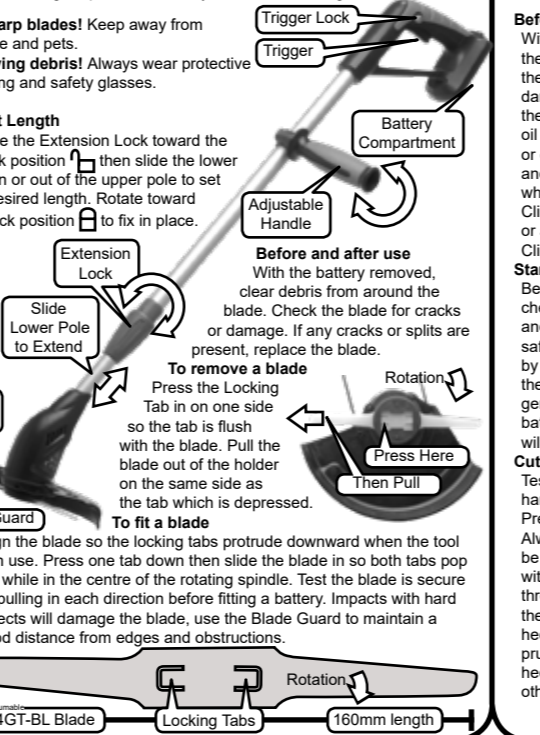
Before fitting a charged battery, check the trigger is not pressed and the blades are positioned safely. Hold the tool firmly by the handle and use the other hand to gently press the battery into position, it will click into place.

Cutting

Test the operation away from the work to be cut, hold the tool so one hand is on the handle and the other is just in front of the handle and clear of the blades. Press the Trigger Lock then squeeze the trigger to start the motor. Always start the motor before moving the blades toward the grass to be cut, this maintains momentum to reduce jamming. Cut small amounts with each pass to avoid overloading the motor.

I44GT Grass Trimmer

Ultra-light, quiet and so easy to use. Essential garden kit.



Sharp blades! Keep away from people and pets.

Flying debris! Always wear protective clothing and safety glasses.

Adjust Length

Rotate the Extension Lock toward the unlock position then slide the lower pole in or out of the upper pole to set the desired length. Rotate toward the lock position to fix in place.

Before and after use

With the battery removed, clear debris from around the blade. Check the blade for cracks or damage. If any cracks or splits are present, replace the blade.

To remove a blade

Press the Locking Tab in on one side so the tab is flush with the blade. Pull the blade out of the holder on the same side as the tab which is depressed.

To fit a blade

Align the blade so the locking tabs protrude downward when the tool is in use. Press one tab down then slide the blade in so both tabs pop out while in the centre of the rotating spindle. Test the blade is secure by pulling in each direction before fitting a battery. Impacts with hard objects will damage the blade, use the Blade Guard to maintain a good distance from edges and obstructions.

I44HT Hedge Trimmer

Perfect for most gardens, only professionals need more power than this.

Before and after use

With the battery removed, slide the Blade Shield off the front of the blades. Check the blades for damage and trapped debris. Clean the blades if required using a light oil in combination with a soft brush or clean rag. Clean the blades and replace the Blade Shield when the tool is not in use. The Clipping Sweep can be removed or adjusted by first removing the Clipping Sweep Locks.

Starting

Before fitting a charged battery, check the trigger is not pressed and the blades are positioned safely. Hold the tool firmly by the handle and use the other hand to gently press the battery into position, it will click into place.

Cutting

Test the operation away from the work to be cut, hold the tool so one hand is on the handle by the trigger and the other on the Front Handle. Press the Trigger Lock then squeeze the trigger to start the motor. Always start the motor before moving the blades toward the hedges to be cut, this maintains momentum to reduce jamming. Cut small amounts with each pass to avoid overloading the motor. Pass the blade lightly through the surface of the hedge. Do not attempt to cut too deep. Trim the top of the hedge from a secure position and without leaning into the hedge. For neglected hedges that require cutting back substantially, use pruning shears to cut thicker branches and then finish the job with the hedge trimmer. Be aware of people, animals and objects within or on the other side of the hedge.

OPERATION TIPS

- Stand with a good posture and be aware of your surroundings, keep 2 hands on the tool and control with firm even pressure.
- Be aware of bird nesting times. Some countries have legislation regarding hedge cutting.

This improves light penetration and promotes healthy growth. Narrow the hedge approximately 100mm for every 1m in height.

- Only cut new growth in the summer, reshape the hedge in winter.
- Be aware that the tool could react in your grip when the blade or stream of air contacts objects.
- The blower is designed for clearing dry leaves from hard surfaces, not clearing debris from grassed areas.
- Sweeping/Clearing - start the blower before approaching the work area so as allow it to reach full speed and so debris is not accidentally thrown.
- Cut larger areas of grass by moving the trimmer head in an arc. Cut small amounts with each pass so the motor is not overloaded. When clearing long grass cut the tops off first and work down in stages.
- The hedge trimmer can also be used to clear brambles and large weeds.
- To make clearing up after cutting hedges easier try putting a large sheet of material on the ground where the clippings fall then bundle them up to carry them away.

WARNING!

Sharp blades, heat buildup, harmful dust and flying debris are a danger to user and bystanders. Use of suitable protective clothing, gloves, footwear, lung, eye and ear protection as well as safe working practices can reduce these risks. Always switch a product off prior to any adjustment or when fitting or removing a battery.

If the battery is hot, damaged or emitting smoke or strong smells it should not be used. Allow the battery to cool before using or charging it. Contact your supplier or CEL to replace faulty items.

MAINTENANCE

All electrical parts should be regularly serviced by an approved engineer.

Cleaning of Metal Blades

Both the Hedge Trimmer and Grass Clippers have metal blades. After several uses there will be a buildup of sap on the blade surfaces which can increase the friction of the blades as they move against each other. To clean this off typically some spray oil is enough, for tough residue a solvent will break the sap down. Be sure to clean and oil the blades afterward. Blades should always have a coating of oil or specialised blade coating.

Check blade screws on Hedge Trimmer regularly

Often a loose or overtightened blade screw will result in more jamming of the blades. These screws should be quite tight but still allow the blades to move. Tighten then test, ensuring blades are lubricated. If the motor is slow loosen the blades screws slightly.

Tips for all lithium batteries regardless of brand.

- All lithium ion cells gradually lose their maximum capacity from the moment they are manufactured. This occurs constantly even in storage, try to buy new stock where possible.
- If storing your batteries for a long period try to charge them to around 80% rather than completely full, never leave them for longer than a few hours with less than 20% charge.
- A lithium battery left with a very low charge for a long period will almost always fail permanently.
- Several short operations with a cordless tool will use the charge in the battery more efficiently than a single constant use. Don't constantly switch on and off or stop in the middle of an operation just take sensible breaks during the work to allow the battery to rest briefly.
- When doing big jobs that require constant charging of the batteries remember that you can swap Li-Ion batteries at any time during a charge/discharge cycle.

WARNING!

Never hold the battery while the tool is in operation. The vibration of the tool can damage the battery contacts.

CARE AND ENVIRONMENT

General inspection

Regularly check that all the fixing screws are present and tight, they may vibrate loose over time. Keep the device's air vents unclogged and clean at all times. Remove dust, sap and dirt regularly, before it can build up. Cleaning is best done with compressed air or a rag.

CAUTION

Do not use cleaning agents to clean the plastic parts of the tool. A mild detergent on a damp cloth is recommended. Water must never come into contact with the device. After each use, remove the battery and carefully clean the tool and battery with a brush or rag. Clear any debris from around the battery mount, moving parts and clips.

Storage

Store all tools, instruction manuals and accessories in a secure, dry place. In this way you will always have all the information and parts ready to hand. Lithium ion batteries should ideally be stored with 40 to 80% charge between 10°C and 20°C (50°F and 68°F).

WARNING! Always test and charge Li-ion batteries before storage and at least every 3 months to prevent permanent damage. Using the battery for a short period then charging it will allow the charger to balance the voltage between the 4 cells.

Environment

When the time comes to dispose of this product please consider the environment and take it to a recognised recycling facility instead of disposing with general household waste.

Contact your local council, civic amenity site, or recycling centre for information on the recycling and disposal of electrical products and batteries. If you do not have access to suitable disposal facilities in your area please contact your place of purchase, they will advise you on the best way to dispose of your product.

