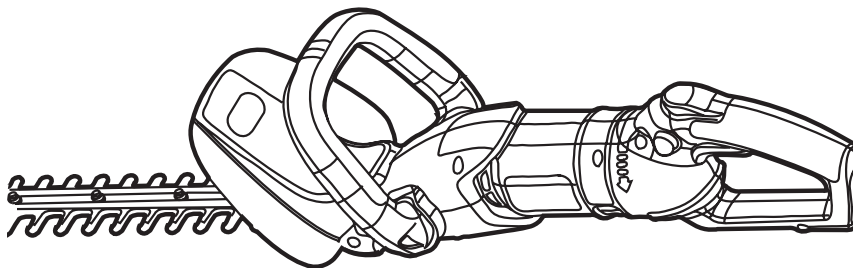


# BLACK+ DECKER™

## Rotating Handle Hedge Trimmer

### INSTRUCTION MANUAL

CATALOG NUMBER  
HH2455, HH2400



Thank you for choosing BLACK+DECKER!

**PLEASE READ BEFORE RETURNING THIS PRODUCT FOR ANY REASON.**

#### KEY INFORMATION YOU SHOULD KNOW:

- To insure extension cord does not come loose see **figure B and C** for proper attachment.
- In order to operate the trimmer, the lock button must first be pulled back (see **figure D**) then squeeze trigger.

## SAFETY GUIDELINES - DEFINITIONS

It is important for you to read and understand this manual. The information it contains relates to protecting YOUR SAFETY and PREVENTING PROBLEMS. The symbols below are used to help you recognize this information.

**⚠ DANGER:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

**⚠ WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**CAUTION:** Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

## GENERAL POWER TOOL SAFETY WARNINGS

**⚠ WARNING:** Read all safety 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 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 ground fault circuit interrupter (GFCI) protected supply.** Use of a GFCI 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 dust mask, nonskid 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 energizing power tools that have the switch on invites accidents.**
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key 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 jewelry. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewelry 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.*

#### **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 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.*
- 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. 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.*

#### **5) 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.*

#### **HEDGE TRIMMER SAFETY WARNINGS**

- **Use both hands when operating the hedge trimmer. Using one hand could cause loss of control and result in serious personal injury.**
- **Carry the hedge trimmer by the handle with the cutter blade stopped.** *Proper handling of the hedge trimmer will reduce possible personal injury from the cutter blades.*
- **Hold the power tool by insulated gripping surfaces only, because the cutter blade may contact hidden wiring or its own cord.** *Cutter blades contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*
- **Keep extension cord away from cutting area.** *During operation the extension cord may be hidden in shrubs and can be accidentally cut by the blade.*
- **Check the hedge for foreign objects, e.g. wire fences.**

**⚠ CAUTION:** Do not expose to rain.

**⚠ WARNING:** *Remove plug from the outlet immediately if the extension cord becomes damaged or cut.*

**⚠ WARNING:** Some dust created by this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- compounds in fertilizers
- compounds in insecticides, herbicides and pesticides
- arsenic and chromium from chemically treated lumber

To reduce your exposure to these chemicals, wear approved safety equipment such as dust masks that are specially designed to filter out microscopic particles.

## Symbols

The label on your tool may include the following symbols. The symbols and their definitions are as follows:

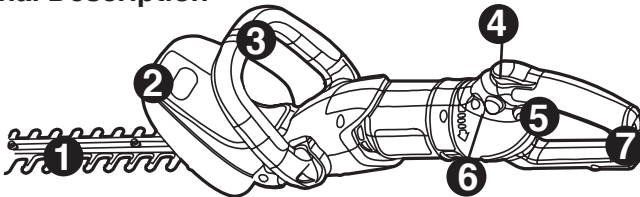
- |  |   |
|--|---|
| V.....volts  | A.....amperes   |
| Hz.....hertz                                       | W.....watts   |
| min .....minutes                                   | ~ or AC.....alternating current                             |
| == or DC...direct current                          | n <sub>0</sub> .....no load speed                           |
| Ⓛ .....Class I Construction<br>(grounded)          | ⊕ .....earthing terminal                                    |
| □ .....Class II Construction<br>(double insulated) | ⚠ .....safety alert symbol                                  |
| bpm .....beats per minute                          | .../min or rpm...revolutions or<br>reciprocation per minute |
| 📖 .....Read instruction manual before use          | ☞ .....Use proper respiratory<br>protection                 |
| 👂 .....Use proper hearing protection               | 👁 .....Use proper eye protection                            |

## EXTENSION CORDS

When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

Volts	Minimum Gauge for Cord Sets			
	Total Length of Cord in Feet			
120V	0-25	26-50	51-100	101-150
	(0-7,6m)	(7,6-15,2m)	(15,2-30,4m)	(30,4-45,7m)
240V	0-50	51-100	101-200	201-300
	(0-15,2m)	(15,2-30,4m)	(30,4-60,9m)	(60,9-91,4m)
Ampere Rating		American Wire Gauge		
More Than	Not more Than			
0 - 6	18	16	16	14
6 - 10	18	16	14	12
10 - 12	16	16	14	12
12 - 16	14	12	Not Recommended	

## Functional Description



1. Blade
2. Guard
3. Bail Handle
4. Lock Button
5. Trigger Switch
6. Rotate Button
7. Pigtail Cord / Cord Retainer

## ASSEMBLY INSTRUCTIONS

### ASSEMBLY TOOLS REQUIRED (NOT SUPPLIED):

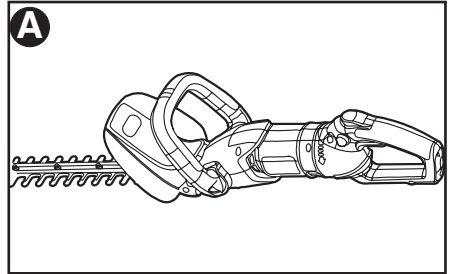
- Phillips Screwdriver

### ATTACHING BAIL HANDLE TO TRIMMER

**⚠ WARNING:** Only use with handle and guard properly assembled to hedge trimmer. The use of the hedge trimmer without the proper guard or handle provided may result in serious personal injury.

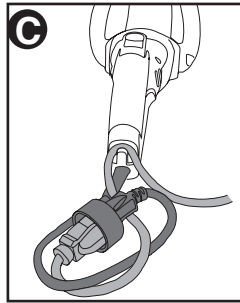
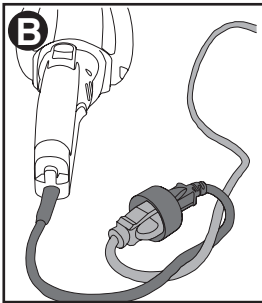
The trimmer is shipped with the bail handle tied to the trimmer. To attach the bail handle:

- Cut the zip tie which holds the handle to the trimmer.
- Remove the phillips head screws from both sides of the trimmer housing.
- Position the handle in place as shown in **figure A**.
- Reinsert the phillips head screws into the openings on the side of the handle and tighten securely.



### ATTACHING EXTENSION CORD TO TRIMMER

An extension cord retainer is built into the switch handle that helps prevent the tool from coming unplugged. To use this feature, first overlap the pigtail cord with the extension cord and tie the two cords in a knot as shown in **figure B**. Then, double the extension cord several inches from the end, and hook the loop formed by doubling the cord over the post in the opening in the back of the handle area as shown in **figure C**. Gently tug on the cord to insure that it is firmly retained in the trimmer's handle.

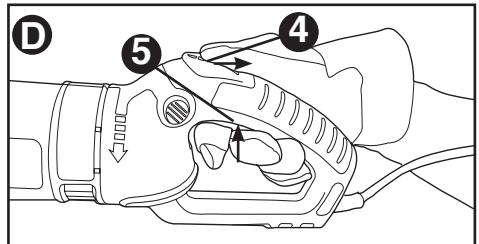


**SAVE THESE INSTRUCTIONS FOR FUTURE USE**

## OPERATING INSTRUCTIONS

### TO TURN THE TOOL ON

Pull the LOCK BUTTON (4) back with your thumb and then squeeze the TRIGGER (5) with your fingers as shown in **figure D**. (Once the tool is running you can release the LOCK BUTTON.) To turn the tool OFF, release the TRIGGER.



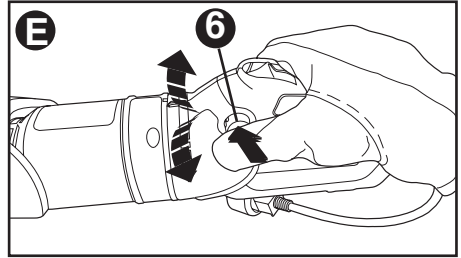
## TO LOCK THE TOOL ON FOR CONTINUOUS RUN

**WITH THE TOOL RUNNING**, pull the LOCK BUTTON (4) **ALL THE WAY** back, release the TRIGGER (5), then release the LOCK BUTTON. The tool is now locked ON. To turn the tool OFF, squeeze and release the TRIGGER. **NOTE:** In order to lock the tool on, it is important to first release the trigger and then release the lock button.

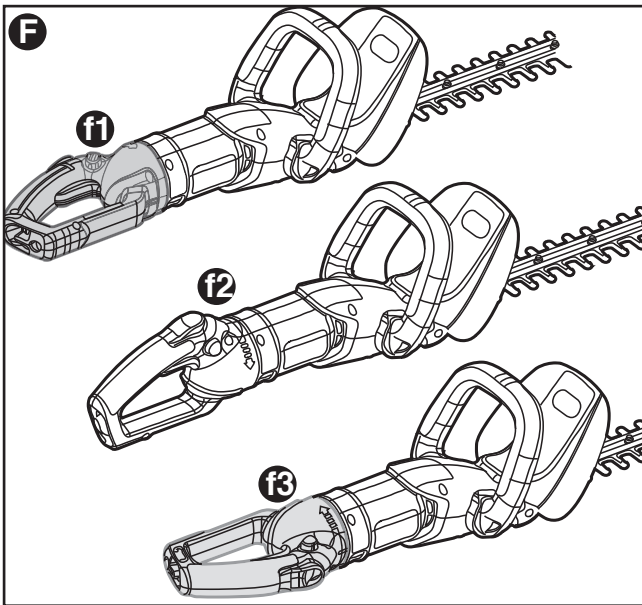
## ROTATING THE REAR HANDLE

The rear handle on the HH2455 has the capability of rotating 180° while in use. There are optional stops at 0°, 55° and 90° which are ideal for side cuts and rounded or irregular shaped shrubs.

To rotate the rear handle, press in on the pivoting button (6) and turn in the desired direction as shown in **figure E**.

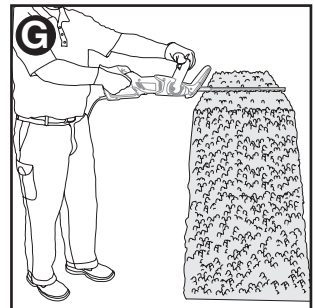


**Figure F** depicts the rear handle in 90° left (f1), 0° (f2) and 90° right (f3) positions.

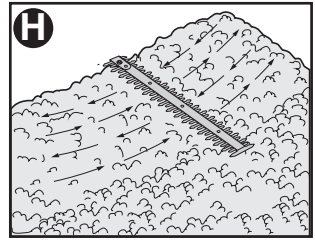


## TRIMMING INSTRUCTIONS

- EXTENSION CORD – (Figure G)** Always keep extension cord behind trimmer and away from the trimming operation. Never drape it over a hedge being trimmed. If you cut or damage the cord, unplug it at the electrical outlet immediately, before inspecting or repairing cord.
- WORKING POSITION –** Maintain proper footing and balance and do not overreach. Wear safety goggles, non-skid footwear and rubber gloves when trimming. Hold the tool firmly in both hands and turn the tool ON. Always hold the trimmer, as shown in **figure G**, with one hand on the switch handle and one hand on the bail handle. Never hold the tool by the blade guard.

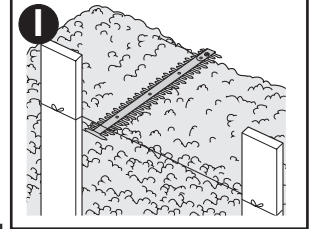


3. **TRIMMING NEW GROWTH - (Figure H)** – A wide, sweeping motion, feeding the blade teeth through the twigs is most effective. A slight downward tilt of the blade, in the direction of motion gives the best cutting.



**⚠ CAUTION:** Do not use the trimmer for cutting stems greater than 3/4 in. (19mm). Use the trimmer only for cutting normal shrubbery found around houses and buildings.

4. **LEVEL HEDGES (Figure I)** – To obtain exceptionally level hedges, a piece of string can be stretched along the length of the hedge as a guide.



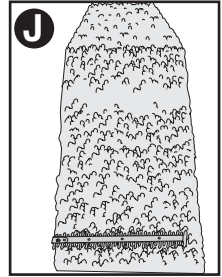
5. **SIDE-TRIMMING HEDGES (Figure J)** – Begin at the bottom and sweep up.

**⚠ WARNING:** TO GUARD AGAINST INJURY, OBSERVE THE FOLLOWING:

- READ INSTRUCTION MANUAL BEFORE USING, SAVE INSTRUCTION MANUAL.
- CHECK THE HEDGE FOR FOREIGN OBJECTS SUCH AS WIRE OR FENCES BEFORE EACH USE.
- KEEP HANDS AWAY FROM BLADES.
- KEEP HANDS ON HANDLES. DON'T OVERREACH.
- **⚠ CAUTION:** – BLADE COASTS AFTER TURN OFF.
- DO NOT USE UNDER WET CONDITIONS.
- DO NOT USE WITH DAMAGED EXTENSION CORD.
- DO NOT UNPLUG OR STORE WITH SWITCH LOCKED ON.

**⚠ DANGER:** KEEP HANDS AWAY FROM BLADES.

**⚠ CAUTION:** BLADE COASTS AFTER TURN OFF.



## TROUBLESHOOTING

### Problem

- Unit will not start.

### Possible Cause

- Cord not plugged in.
- Circuit fuse is blown.

### Possible Solution

- Plug tool into a working outlet.
- Replace circuit fuse.  
(If the product repeatedly causes the circuit fuse to blow, discontinue use immediately and have it serviced at a BLACK+DECKER service center or authorized servicer.)
- Reset circuit breaker.  
(If the product repeatedly causes the circuit breaker to trip, discontinue use immediately and have it serviced at a BLACK+DECKER service center or authorized servicer.)
- Have cord or switch replaced at BLACK+DECKER Service Center or Authorized Servicer

- Circuit breaker is tripped.

- Cord or switch is damaged.

## MAINTENANCE

The cutting blades are made from high quality, hardened steel and with normal usage, they will not require sharpening. However, if you accidentally hit a wire fence, stones, glass or other hard objects, you may put a nick in the blade. There is no need to remove this nick as long as it does not interfere with the movement of the blade. If it does interfere, unplug unit and use a fine toothed file or sharpening stone to remove the nick.

If you drop the trimmer, carefully inspect it for damage. If the blade is bent, housing cracked, or handles broken or if you see any other condition that may affect the trimmer's operation, contact your local BLACK+DECKER Service Center for repairs before putting it back into use.

Fertilizers and other garden chemicals contain agents which greatly accelerate the corrosion of metals. Do not store the tool on or adjacent to fertilizers or chemicals.

With the unit unplugged, use only mild soap and a damp cloth to clean the tool. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Prevent the blades from rusting by applying a film of light machine oil after cleaning.

**IMPORTANT:** To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment should be performed by authorized service centers or other qualified service organizations, always using identical replacement parts.

This Class B digital apparatus complies with Canadian ICES-003.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This Class B digital apparatus complies with Canadian ICES-003.

## ACCESSORIES

**⚠ WARNING:** DO NOT use the hedge trimmer with any type of accessory or attachment. Such usage might be hazardous.

## SERVICE INFORMATION

BLACK+DECKER offers a full network of company-owned and authorized service locations throughout North America. All BLACK+DECKER Service Centers are staffed with trained personnel to provide customers with efficient and reliable power tool service.

Whether you need technical advice, repair, or genuine factory replacement parts, contact the BLACK+DECKER location nearest you.