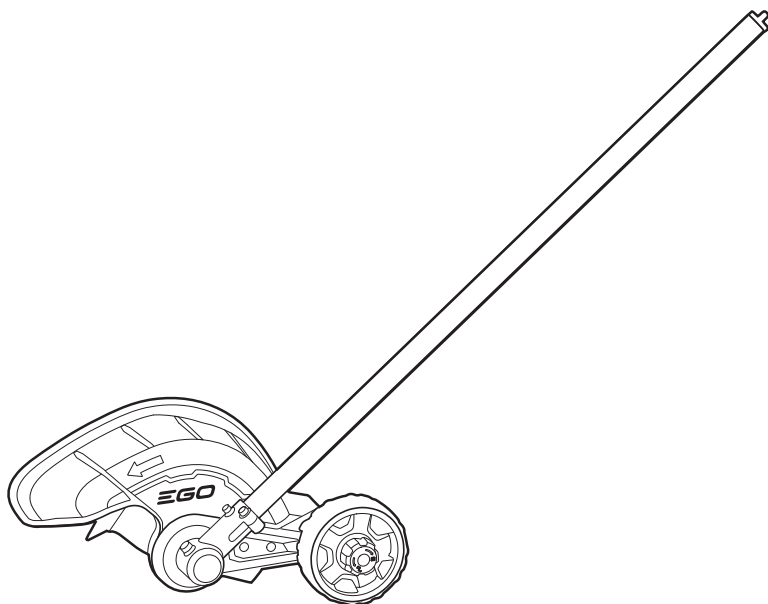




POWER<sup>+</sup> BED REDIFINER ATTACHMENT



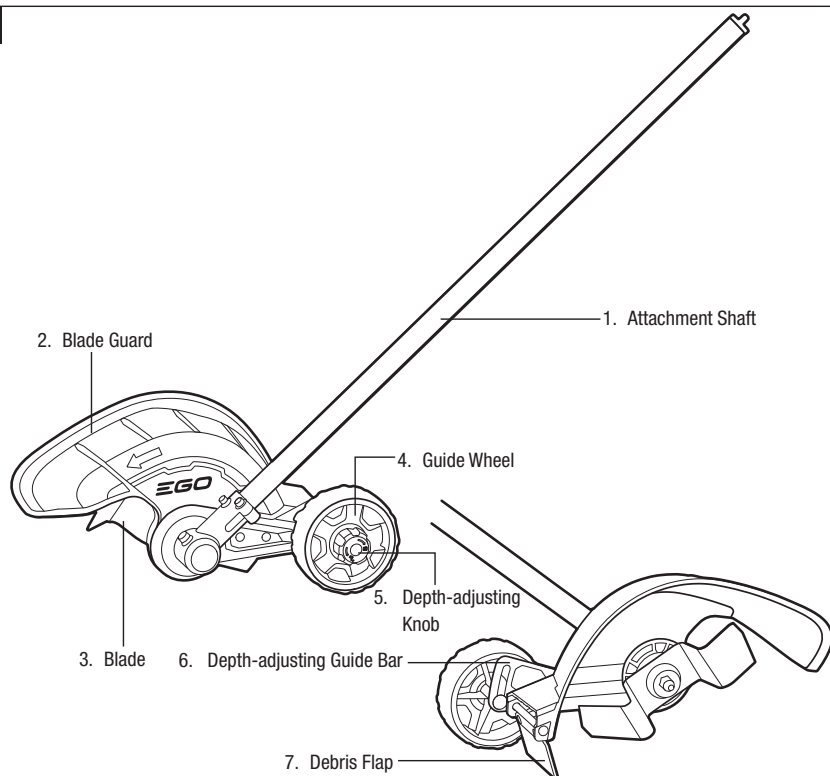
**FOR USE ONLY WITH THE 56V LITHIUM-ION  
POWER HEAD PH1400E\PH1420E\PHX1600**

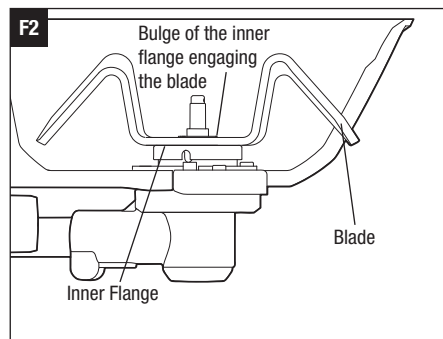
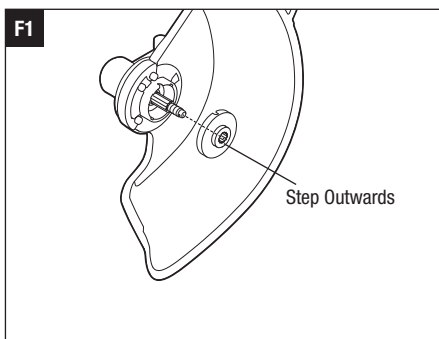
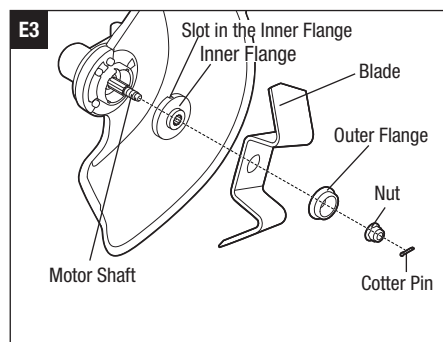
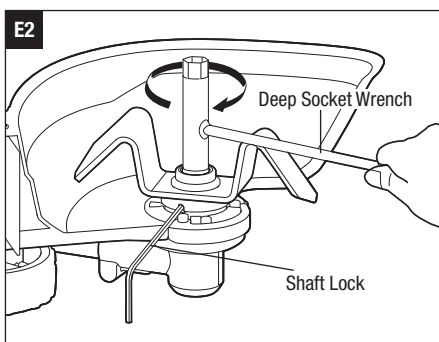
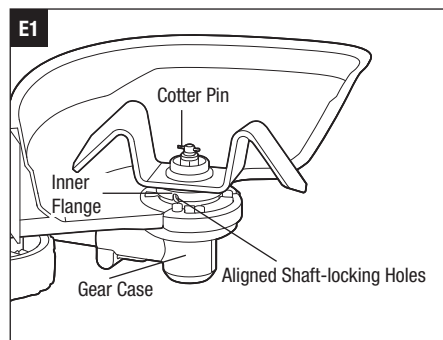
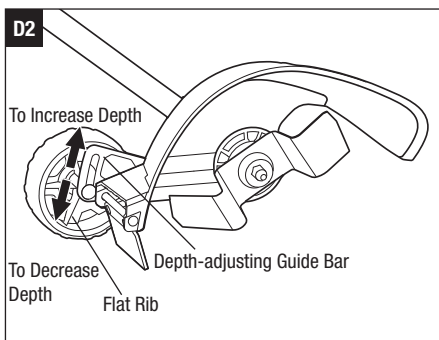
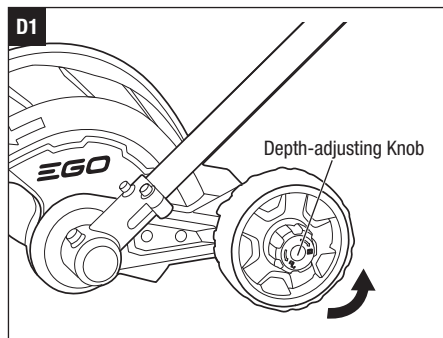
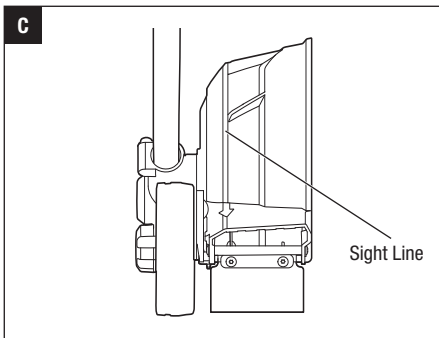
**OPERATOR'S MANUAL**

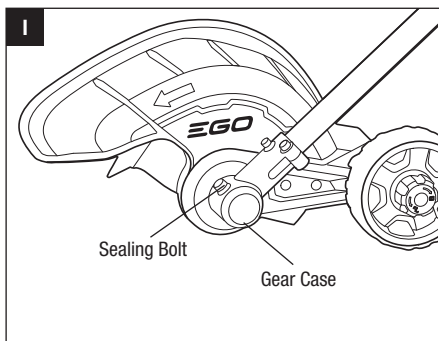
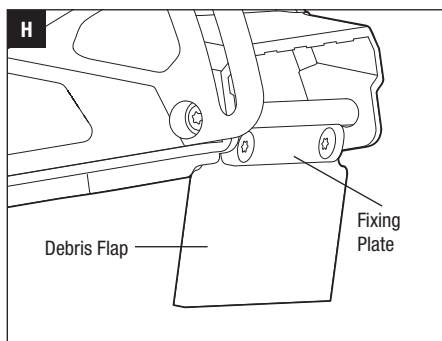
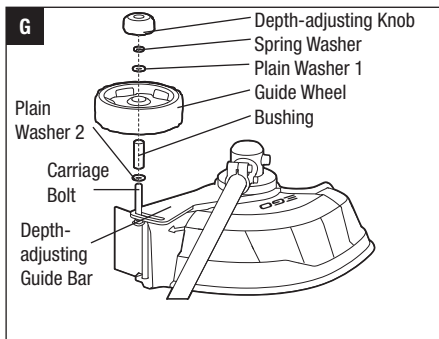
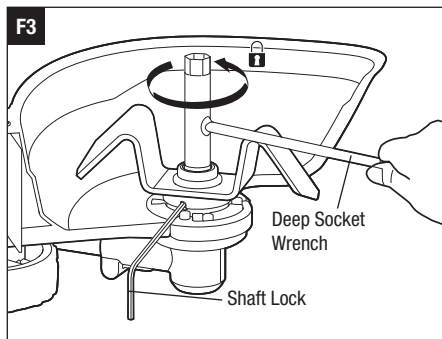
# **BED REDEFINER ATTACHMENT**

**MODEL NUMBER BRA0820**

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

**A****B**





## READ ALL INSTRUCTIONS!



### READ OPERATOR'S MANUAL

**WARNING:** To ensure safety and reliability, all repairs and replacements should be performed by a qualified service technician.

## SAFETY SYMBOLS

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

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

## SYMBOL MEANING

**SAFETY ALERT SYMBOL:** Indicates **DANGER, WARNING, OR CAUTION.** May be used in conjunction with other symbols or pictographs.

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

## SAFETY INSTRUCTIONS

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

|  |              |                                               |
|--|--------------|-----------------------------------------------|
|  | Safety Alert | Indicates a potential personal injury hazard. |
|--|--------------|-----------------------------------------------|

|  |                                                         |                                                                                                                           |
|--|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
|  | Read Operator's Manual                                  | To reduce the risk of injury, user must read the operator's manual.                                                       |
|  | Wear Eye Protection                                     | Always wear safety goggles or safety glasses with side shields and a full face shield when operating this product.        |
|  | Wear Ear Protection                                     | Always wear ear protection when operating this product.                                                                   |
|  | Wear Head Protection                                    | Wear an approved safety hard hat to protect your head.                                                                    |
|  | Wear Protective Gloves                                  | Protect your hands with gloves when handling blades. Heavy-duty, nonslip gloves improve your grip and protect your hands. |
|  | Wear Slip-resistant Footwear                            | Wear non-slip safety footwear when using this equipment.                                                                  |
|  | WARNING – Beware of thrown objects-keep bystanders away | Alerts user to beware of thrown objects- keep bystanders away.                                                            |
|  | WARNING - Beware of blade thrust                        | Warn the operator of the danger of blade thrust                                                                           |
|  | Keep Safe Distance                                      | WARNING - The distance between the machine and bystanders shall be at least 15m.                                          |
|  | Do not Expose to Rain                                   | Do not use in the rain or leave outdoors while it is raining.                                                             |
|  | Noise                                                   | Guaranteed sound power level.                                                                                             |
|  | WEEE                                                    | Waste electrical products should not be disposed of with household waste. Take to an authorised recycler.                 |

|                                                                                   |                                                           |                                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|  | <b>WARNING -</b><br>Disconnect battery before maintenance | Disconnect the battery pack from the line trimmer before carrying out maintenance or cleaning work. |
| IPX4                                                                              | Ingress Protection Degree                                 | Protection from splashing water                                                                     |
| V                                                                                 | Volt                                                      | Voltage                                                                                             |
| mm                                                                                | Millimetre                                                | Length or size                                                                                      |
| cm                                                                                | Centimetre                                                | Length or size                                                                                      |
| kg                                                                                | Kilogram                                                  | Weight                                                                                              |
| n <sub>0</sub>                                                                    | No Load Speed                                             | Rotational speed, at n <sub>0</sub> load                                                            |
| .../min                                                                           | Per Minute                                                | Revolutions per minute                                                                              |
| °C                                                                                | Celsius Degree                                            | Temperature                                                                                         |

## GENERAL MACHINE SAFETY WARNINGS

**⚠ WARNING: READ ALL SAFETY WARNINGS, INSTRUCTIONS, ILLUSTRATIONS AND SPECIFICATIONS PROVIDED WITH THIS MACHINE.** 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 “machine” in the warnings refers to your mains-operated (corded) machine or battery-operated (cordless) machine.

### WORK AREA SAFETY

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate machines in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Machines create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a machine.** Distractions can cause you to lose control.

### ELECTRICAL SAFETY

- **Machine plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) machines.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- **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 operate the machine in rain or wet conditions.** Water entering the machine may increase the risk of electric shock or malfunction that could result in personal injury.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the machine.** Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- **When operating a machine outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **If operating a machine 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.

### PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a machine. Do not use a machine while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating machines may result in serious personal injury.
- **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.
- **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 machine.** Carrying machines with your finger on the switch or energizing machines that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the machine on.** A wrench or a key left attached to a rotating part of the machine may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the machine in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

- **Do not let familiarity gained from frequent use of machines allow you to become complacent and ignore machine safety principles.** A careless action can cause severe injury within a fraction of a second.

## MACHINE USE AND CARE

- **Do not force the machine. Use the correct machine for your application.** The correct machine will do the job better and safer at the rate for which it was designed.
- **Do not use the machine if the switch does not turn it on and off.** Any machine that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the machine before making any adjustments, changing accessories, or storing machines.** Such preventive safety measures reduce the risk of starting the machine accidentally.
- **Store idle machines out of the reach of children and do not allow persons unfamiliar with the machine or these instructions to operate the machine.** Machines are dangerous in the hands of untrained users.
- **Maintain machines and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the machine's operation. If damaged, have the machine repaired before use.** Many accidents are caused by poorly maintained machines.
- **Keep cutting machines sharp and clean.** Properly maintained cutting machines with sharp cutting edges are less likely to bind and are easier to control.
- **Use the machine, accessories and machine bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the machine for operations different from those intended could result in a hazardous situation.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the machine in unexpected situations.

## 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 machines 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.
- **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
- **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

## SERVICE

- **Have your machine serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the machine is maintained.
- **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorised service providers.

## SAFETY INSTRUCTIONS FOR BED REDEFINER

- **Do not use the machine in bad weather conditions, especially when there is a risk of lightning.** This decreases the risk of being struck by lightning.
- **Thoroughly inspect the area for wildlife where the machine is to be used.** Wildlife may be injured by the machine during operation.
- **Thoroughly inspect the area where the machine is to be used and remove all stones, sticks, wires, bones, and other foreign objects.** Thrown objects can cause personal injury.
- **Before using the machine, always visually inspect to see that the cutter or blade and the cutter or blade assembly are not damaged.** Damaged parts increase the risk of injury.
- **Follow instructions for changing accessories.** Improperly tightened blade securing nuts or bolts may either damage the blade or result in it becoming detached.

- **Wear eye, ear, head and hand protection.** Adequate protective equipment will reduce personal injury by flying debris or accidental contact with the cutting line or blade.
- **While operating the machine, always wear safety footwear.** Do not operate the machine when barefoot or wearing open sandals. This reduces the chance of injury to the feet from contact with the moving blade.
- **While operating the machine, always wear long trousers.** Exposed skin increases the likelihood of injury from thrown objects.
- **Keep bystanders away while operating the machine.** Thrown debris can result in serious personal injury.
- **Always use two hands when operating the machine.** Holding the machine with both hands will avoid loss of control.
- **Hold the machine by the insulated gripping surfaces only, because the cutting line or blade may contact hidden wiring.** Cutting line or blades contacting a “live” wire may make exposed metal parts of the machine “live” and could give the operator an electric shock.
- **Always keep proper footing and operate the machine only when standing on the ground.** Slippery or unstable surfaces may cause a loss of balance or control of the machine.
- **Keep all parts of the body away from the cutter, line or blade when the machine is operating. Before you start the machine, make sure the cutter, line or blade is not contacting anything.** A moment of inattention while operating the machine may result in injury to yourself or others.
- **Maintain control of the machine and do not touch cutters, lines or blades and other hazardous moving parts while they are still in motion.** This reduces the risk of injury from moving parts.
- **Carry the machine with the machine switched off and away from your body.** Proper handling of the machine will reduce the likelihood of accidental contact with a moving cutter, line or blade.
- **Only use replacement cutters, lines, cutting heads and blades specified by the manufacturer.** Incorrect replacement parts may increase the risk of breakage and injury.
- **When clearing jammed material or servicing the machine, make sure the switch is off and the battery pack is removed.** Unexpected starting of the machine while clearing jammed material or servicing may result in serious personal injury.
- **Damage to Bed Redefiner** - If you strike a foreign object with the machine, stop the machine immediately, check for damage and have any damage repaired before further operation is attempted. Do not operate with a broken guard or blade.
- **If the equipment should start to vibrate abnormally, stop the motor and check immediately for the cause.** Vibration is generally a warning of trouble. A loose head may vibrate, crack, break or come off the trimmer, which may result in serious or fatal injury. Make sure that the bed redefiner attachment is properly fixed in position. If the head loosens after fixing it in position, replace it immediately.
- **The rated rotational speed of the blade must be at least equal to the maximum rotational speed marked on the machine.** Blades running faster than their rated rotational speed can break and fly apart.
- **Do not operate the machine on excessively steep slopes.** This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- **When working on slopes, always be sure of your footing, always work across the face of slopes, never up or down and exercise extreme caution when changing direction.** This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- **Do not operate the machine above waist height.** This helps prevent unintended cutter or blade contact and enables better control of the machine in unexpected situations.
- **Use only with The 56V Lithium-Ion Power Head PH1400/PH1420/PHX1600.**
- **NOTE:** See operator's manual of your EGO Power Head PH1400E/PH1420E/PHX1600 for detailed safety rules and operating instructions.
- **Use only with battery packs and chargers listed below.**

| BATTERY PACK                                                                 | CHARGER                              |
|------------------------------------------------------------------------------|--------------------------------------|
| BA1400, BA2800, BA4200, BA1400T, BA2800T, BA4200T, BA4480X, BA5600T, BA6720T | CH2100E, CH5500E, CH7000E, CH7000E-T |

**SAVE THESE INSTRUCTIONS.** Refer to them frequently and use them to instruct others who may use this machine. If you lend someone this machine, lend them these instructions also to prevent misuse of the product and possible injury.

## SPECIFICATIONS

|                                   |                             |
|-----------------------------------|-----------------------------|
| Blade Size                        | 20.9 cm                     |
| Blade Arbor Hole Diameter         | 2.54 cm                     |
| Cutting Speed                     | 2200/2500 min <sup>-1</sup> |
| Max Cutting Depth                 | 6.0 cm                      |
| Blade Thickness                   | 0.5 cm                      |
| Guide Wheel Size                  | 12 cm                       |
| Recommended Operating Temperature | 0°C-40°C                    |
| Recommended Storage Temperature   | -20°C-70°C                  |
| Weight                            | 2.8 kg                      |

## PACKING LIST

| PART NAME                | QUANTITY |
|--------------------------|----------|
| Bed Redefiner Attachment | 1        |
| Operator's Manual        | 1        |

## DESCRIPTION

### KNOW YOUR BED REDEFINER ATTACHMENT (Fig. A)

- Attachment Shaft
- Blade Guard
- Blade
- Guide Wheel
- Depth-adjusting Knob
- Depth-adjusting Guide Bar
- Debris Flap
- Debris Flap Guard

**⚠ WARNING:** Never operate the tool without the guard firmly in place. The guard must always be on the tool to protect the user.

## 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.

**⚠ WARNING:** Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possibly serious personal injury.

**⚠ WARNING:** Always wear heavy gloves when 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.

**⚠ WARNING:** Do not connect to power head until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

## CONNECTING THE ATTACHMENT TO THE POWER HEAD

This redefiner attachment is designed for use with EGO Power Head PH1400E/PH1420E/PHX1600.

See “INSTALLING AN ATTACHMENT TO THE POWER HEAD” section in the power head PH1400E operator’s manual or “INSTALLING A POWER HEAD ATTACHMENT” section in the power head PH1420E/PHX1600 operator’s manual.

## OPERATION

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

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

**⚠ WARNING:** To prevent serious personal injury, remove the battery pack from the product before servicing, cleaning, changing attachments, or removing material from the product.

### APPLICATIONS

You may use this machine for the purpose listed below:

- For cleaning and renewing bed borders.

**NOTICE:** The machine is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse.

### USING THE ATTACHMENT WITH POWER HEAD

**⚠ WARNING:** Dress properly to reduce the risk of injury when operating this machine. 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. Wear a face mask or dust mask in dusty locations.

**⚠ WARNING:** Clear away all obstacles and solid objects from the work area.

**⚠ WARNING:** Ensure there are no buried cables or utilities in the intended work area before using the Bed Redefiner. Cutting through buried cable or utilities could result in serious injury.

Hold the machine with the right hand on the rear handle and your left hand on the front-assist handle. Keep a firm grip with both hands while operating the machine. Hold the machine in a comfortable position with the rear handle at about hip height (Fig. B).

Operate in direction of arrow, pulling rather than pushing the tool. Carefully watch bed edge and direction of travel.

**⚠ WARNING:** Maintain focus on direction of travel and cutting head as you operate the Bed Redefiner while insuring no children, bystanders, or pets enter the work area when operating the tool. Remember that a careless fraction of a second is sufficient to inflict death or serious injury.

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

- Hold and guide the power head so that the blade is vertical.
- Operate at no more than a normal walking pace.
- It is recommended to make multiple passes, while slightly increasing depth of cut for each pass until the desired depth of cut is achieved. It is recommended to use no more than 1 inch depth increments depending on soil conditions and condition of the current bed boundary.
- Avoid operating in wet soil/grass.
- Push the tool at a steady pace. If the blade begins to bog down, slow the cutting pace.
- Do not force the blade into the ground.
- Use the sight line to line the blade up with the edge of the bed (Fig. C).

### 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.

### Clean the bed redefiner 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 bed redefiner. Failure to comply could result in possible serious personal injury.

### ADJUSTING DEPTH OF CUT

The wheel adjustment does not explicitly change the blade depth. The blade plunge depth is controlled by the operator. The following procedure should be used to find the zero cutting depth reference point based on your height and grip position:

1. Stop the motor and remove the battery pack.
2. Loosen the depth-adjusting knob in the direction of the unlocking arrow marked on the knob (Fig.D1).
3. Move the guide wheel, along the depth-adjusting guide bar, up to increase the depth of cut or down to decrease the depth (Fig. D2).
4. Tighten the depth-adjusting knob clockwise securely, in the direction of the locking arrow marked on the knob.
5. Standing in the normal working position, check the depth of cut again and correct it if necessary.

### TO START/STOP THE TOOL

See “**STARTING/STOPPING THE POWER HEAD**” section in the power head PH1400E\PH1420E\PHX1600 operator's manual

## MAINTENANCE

**⚠ WARNING:** When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by a qualified service technician.

**⚠ WARNING:** Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. To prevent serious personal injury, take extra precautions and care when performing maintenance, service or for changing the cutting attachment or other attachments.

**⚠ WARNING:** To prevent serious personal injury, remove the battery pack from the power head before servicing, cleaning, changing add-on attachments or when the product is not in use.

**⚠ WARNING:** 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.

**⚠ 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.

**⚠ WARNING:** If the machine strikes a foreign object or starts to vibrate abnormally, stop the machine, and remove the battery pack to make sure that all moving parts have come to a complete stop. Then immediately inspect for damage, replace or repair any damaged parts, and check for and tighten any loose parts.

## 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 cloths to remove dirt, dust, oil, grease, etc.

**⚠ WARNING:** Do not at any time let brake fluids, gasoline, petroleum based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken, or destroy plastic, which may result in serious personal injury

**⚠ WARNING:** When cleaning the bed redefiner attachment, DO NOT immerse in water or other liquids.

## CLEAN THE UNIT

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

## REPLACING THE BLADE

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.

**⚠ 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 bed redefiner with a worn or damaged blade.

**⚠ WARNING:** Use proper eye protection and heavy gloves while removing, sharpening, and installing the blade.

**NOTICE** Replace the blade if its length is no longer sufficient to maintain the necessary ground clearance and obtain the required depth of cut.

### To remove

1. Remove the battery pack.
2. Lay the machine on its back so that the blade is facing upwards.
3. Wear protective gloves. Use a needle nose pliers to remove the cotter pin from the motor shaft (Fig.E1).

4. Rotate the blade to align the slot in the flange with the hole in the gear case (Fig. E1).
5. Insert the hex wrench into the aligned holes to act as a shaft lock. Use the deep socket wrench to loosen the nut **CLOCKWISE** (Fig.E2).

**NOTE:** Left-Handed Thread. Nut is loosened opposite to conventional Right-Handed Threads.

6. Remove the nut, outer flange, blade and the inner flange from the motor shaft (Fig. E3). Check and replace them if they are worn.

### To install

1. Position the inner flange removed in step 6 of the "To remove the blade" section onto the motor shaft with the step of the inner flange facing outwards (Fig.F1).
2. Install the new blade onto the inner flange.

**⚠ WARNING:**The step of the inner flange must engage the blade's mounting hole (Fig.F2). There should not be any clearance between the blade and the inner flange flat surface.

3. Mount the outer flange and the nut onto the shaft, and pre-tighten the nut **COUNTERCLOCKWISE** by hand.

**NOTE:** Left-Handed Thread. Nut is tightened opposite to conventional Right-Handed Threads.

4. Rotate the blade to align the slot in the flange with the hole in the gear case (Fig. E1).
5. Insert the hex wrench into the aligned holes to act as a shaft lock. Use the deep socket wrench to tighten the nut **COUNTERCLOCKWISE** securely onto the shaft (Fig.F3).
6. Insert a new cotter pin into the hole in the motor shaft. Bend the two feet of the pin in opposite directions with a needle nose pliers (not included) (Fig. E1).

## REPLACING THE GUIDE WHEEL

1. Stop the motor and remove the battery pack.
2. Lay the machine on its back so that the guide wheel is facing upwards.
3. Loosen the depth-adjusting knob in the direction of the unlocking arrow marked on the knob and removing it.
4. Remove the spring washer, plain washer 1, guide wheel, bushing and plain washer 2 from the carriage bolt (Fig. G). Check and replace them if they are worn.

5. Mount the carriage bolt through the depth-adjusting guide bar first, and then mount the plain washer 2, bushing and new wheel, then mount the plain washer 1, spring washer and depth-adjusting knob onto the carriage bolt in the sequence shown in Fig. G.

**NOTICE** The guide wheel should be mounted with its flat ribs facing inwards (Fig.D2).

6. Lock the depth-adjusting knob in the direction of the locking arrow marked on the knob.

## REPLACING THE DEBRIS FLAP (Fig. H)

1. Remove the battery pack.
2. Use the T20 torx screwdriver to loosen the two screws on the top of the debris flap and remove the fixing plate.
3. Use the T20 Torx screwdriver to loosen the screws on both sides of the debris flap and remove the worn debris flap.
4. Replace with the new debris flap, reinstall and tighten the side and top screws.

## 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 bolt on the side of the case.

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

Do not completely fill the transmission gear case.

1. Position the machine upright so that the sealing bolt is facing upwards (Fig. I).
2. Use the 5 mm hex wrench (not included) to loosen and remove the sealing bolt.
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 bolt after injection.

## STORING THE UNIT

- Remove the battery pack from the machine.
- Clean the machine thoroughly before storing it.
- 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.

## PROTECTING THE ENVIRONMENT



Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

## TROUBLE SHOOTING

| PROBLEM                            | CAUSE                                                                                                                                                                                                                                                                                                                                                                                      | SOLUTION                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Motor fails to start.              | <ul style="list-style-type: none"> <li>■ The battery pack is not properly attached to the power head.</li> <li>■ No electrical contact between the power head and the battery pack.</li> <li>■ The battery pack is depleted.</li> <li>■ The lock-off lever and trigger of the power head are not depressed simultaneously.</li> <li>■ Still not start beyond the above reasons.</li> </ul> | <ul style="list-style-type: none"> <li>■ Attach the battery pack to the power head.</li> <li>■ Remove battery, check contacts and reinstall the battery pack so that it snaps into place.</li> <li>■ Charge the battery pack with an EGO charger listed in this manual.</li> <li>■ Press the lock-off lever and hold it, then depress the trigger to turn on.</li> <li>■ Contact EGO Customer Service.</li> </ul>                        |
| Power head stops during operation. | <ul style="list-style-type: none"> <li>■ The motor is overloaded.</li> <li>■ The battery pack or the power head is too hot.</li> <li>■ The battery pack is disconnected from the machine.</li> <li>■ The battery pack is depleted.</li> <li>■ Still not start beyond the above reasons.</li> </ul>                                                                                         | <ul style="list-style-type: none"> <li>■ The motor will recover when the load is removed. For continuous working, decrease the load on the power head.</li> <li>■ Allow the battery pack or power head to cool until the temperature drops below 152 °F (67 °C).</li> <li>■ Re-install the battery pack.</li> <li>■ Charge the battery pack with EGO chargers listed in this manual.</li> <li>■ Contact EGO Customer Service.</li> </ul> |

## WARRANTY

### EGO WARRANTY POLICY

For full warranty terms and conditions, warranty service or to make a claim, please visit our website [egopowerplus.com.au/warranty-policy](http://egopowerplus.com.au/warranty-policy).

Also see full warranty details & warranty table on the 'NEED HELP?' flyer contained within this product.

Alternatively you can contact EGO customer service via the following:

#### Australia

Address: Chervon Australia Pty Ltd, Unit 14, 5 Kelletts Rd, Rowville, VIC, 3178.

Phone: 1300 000 346

Email: [support@egopowerplus.com.au](mailto:support@egopowerplus.com.au)

#### New Zealand

Address: Chervon New Zealand Subsidiary Ltd, 4th Floor, Smith & Caughey Building, 253 Queen St, Auckland, 1141.

Phone: 0508 000 346

Email: [support@egopowerplus.co.nz](mailto:support@egopowerplus.co.nz)





