



# EGO POWER STA1600 Line Trimmer Attachment Instruction Manual

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## STA1600 Line Trimmer Attachment

STA1600  
LINE TRIMMER ATTACHMENT

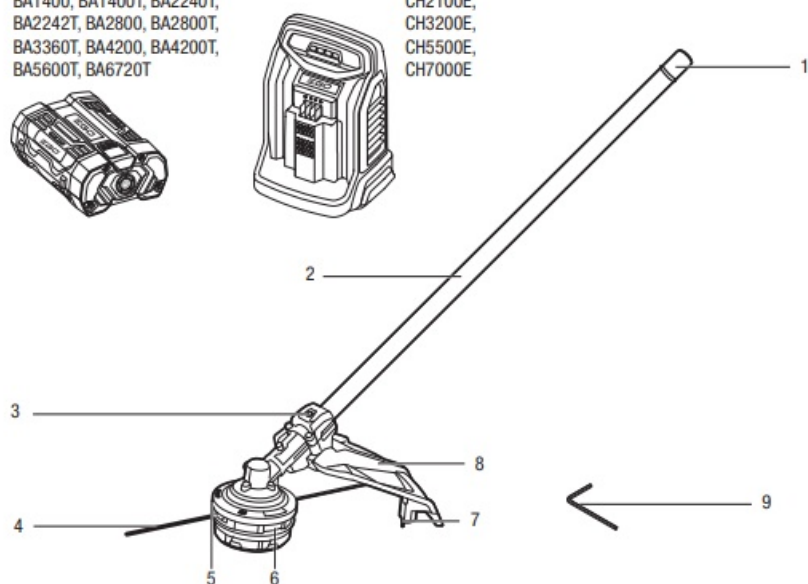


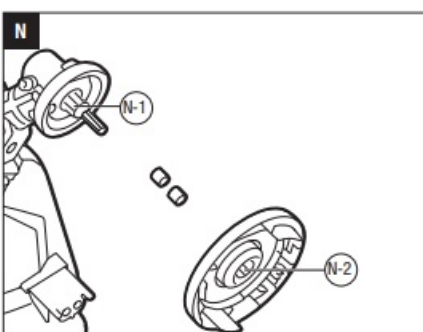
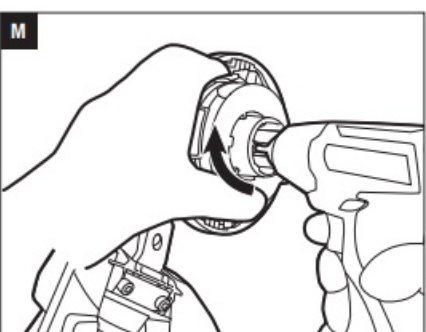
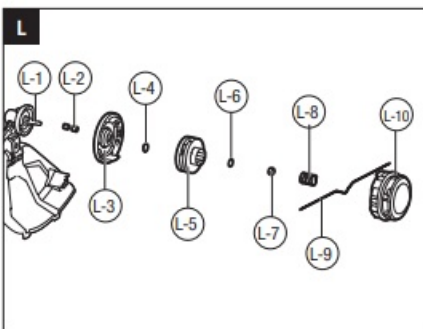
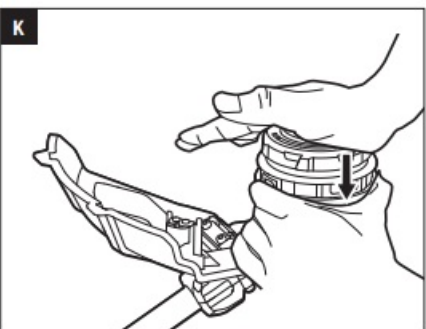
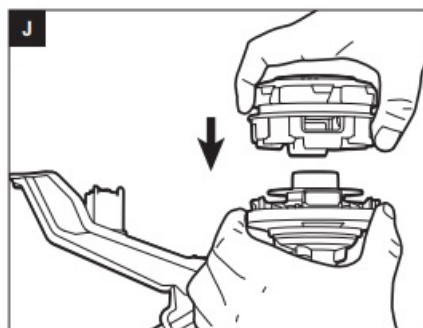
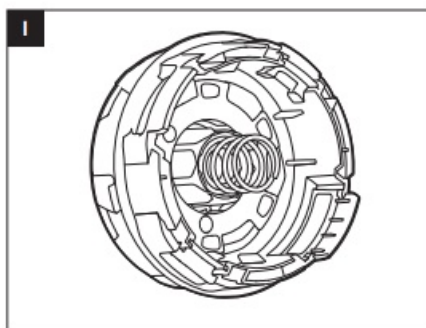
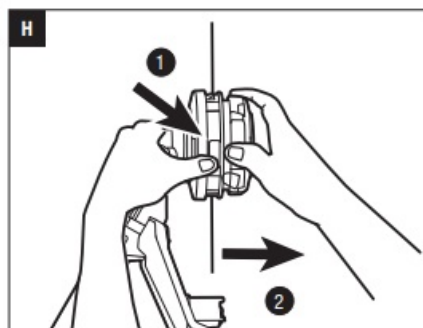
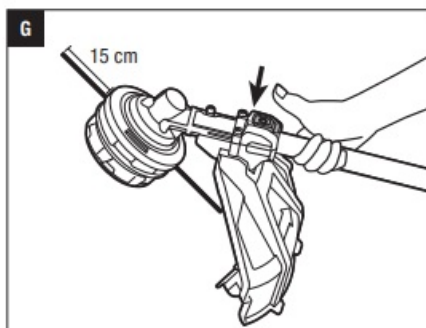
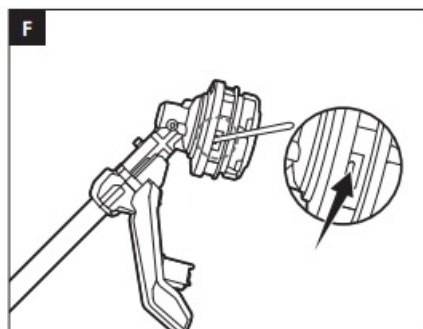
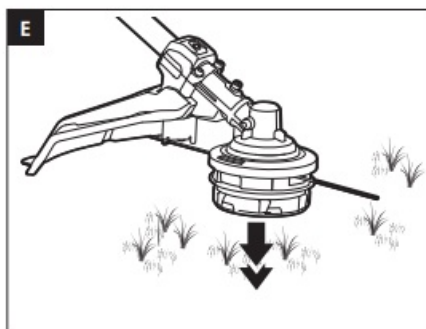
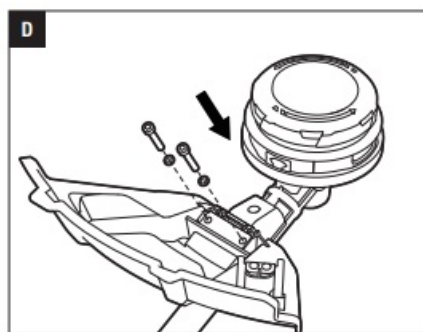
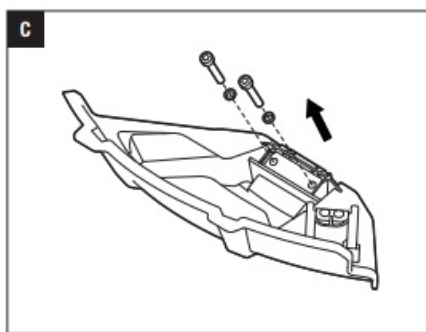
FOR USE ONLY WITH THE 56V LITHIUM-ION POWER HEAD PH1420E

**A**

BA1400, BA1400T, BA2240T,  
BA2242T, BA2800, BA2800T,  
BA3360T, BA4200, BA4200T,  
BA5600T, BA6720T

CH2100E,  
CH3200E,  
CH5500E,  
CH7000E

**B**



## READ ALL INSTRUCTIONS!



READ OPERATOR'S MANUAL



Residual risk! People with electronic devices, such as pacemakers, should consult their physician(s) before using this product. Operation of electrical equipment in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.



**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.

## 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 and understand the operator's manual before using this product.
	Wear eye, ear and head protection	Always wear eye, ear and head protection.
	Cutting Width	The Max. cutting width of line trimmer.
	Line Diameter	The Diameter of the nylon cutting line.
	Do not use metal blades	Alerts user not to use metal blades
	Ricochet and Keep Bystanders Away	Thrown objects can ricochet and result in personal injury or property damage. Ensure that other people and pets remain away from the brush cutter when it is in use.
	The distance between the machine and bystanders shall be at least 15 m	Ensure that other people and pets remain at least 15m away from the line trimmer when it is in use.
	Overtemperature protection for POWERLOAD™ system	When winding the cutting line immediately after long time of operation, the POWERLOAD™ system may stop working due to overtemperature protection.
IPX4	IP Symbol	Protection against ingress of water degree 4.
	CE	This product is in accordance with applicable EC directives.
	UKCA	This product is in accordance with applicable UK legislation.
	WEEE	Waste electrical products should not be disposed of with household waste. Take to an authorized recycler.
	Noise	Guaranteed sound power level. Noise emission to the environment according to the European community's Directive.
V	Volt	Voltage
mm	Millimeter	Length or size
cm	Centimeter	Length or size
kg	Kilogram	Weight

## 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.

## **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.

## **ELECTRICAL SAFETY**

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adaptor plugs with earthed (grounded) power tools.  
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 power tool.  
Keep cord away from heat, oil, sharp edges or 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.
- 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.

## **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 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 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 tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a 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, 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 devices can reduce dust-related hazards.
- Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

## POWER TOOL USE AND CARE

- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- 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 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.
- 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.
- Keep handles and grasping surface 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.

## 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.
- 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 power tool serviced by a qualified repair person using only identical replacement parts.  
This will ensure that the safety of the power tool is maintained.
- Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

## **SPECIAL SAFETY WARNINGS FOR LINE TRIMMER**

- 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 cutter 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 nonslip and protective 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 cutters or lines.
- 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.
- 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.
- 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.

- 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.

- When cutting brush or saplings that are under tension, be alert for spring back. When the tension in the wood fibres is released, the brush or sapling may strike the operator and/or throw the machine out of control.
- Use extreme caution when cutting brush and saplings. The slender material may catch the blade and be whipped toward you or pull you off balance.
- 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.
- 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.
- 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.
- Damage to Trimmer – If you strike a foreign object with the trimmer or it becomes entangled, stop the tool immediately, check for damage and have any damage repaired before further operation is attempted. Do not operate with a broken guard or spool.
- 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 cutting attachment is properly fixed in position. If the head loosens after fixing it in position, replace it immediately. Never use a trimmer with a loose cutting attachment.
- Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards even when the tool is not operating. Take care when performing maintenance or service.
- Do not wash with a hose; avoid getting water in motor and electrical connections.
- If situations occur that are not covered in this manual, use care and good judgment. Contact the EGO Customer Service Center for assistance.
- Use only with battery packs and chargers listed in fig.A.

**SAVE THESE INSTRUCTIONS!**

## **SPECIFICATIONS**

Cutting Mechanism	Bump Head
Line Diameter 2.4 mm nylon	twist line
Cutting Width	40 cm
Maximum Speed	4900/5800 min <sup>i</sup>
Weight (Without battery pack)	1.53 kg
Recommended Operating Temperature	0°C-40°C
Storage Temperature	-20°C-70°C
Measured sound power level L <sub>WA</sub>	95.72 dB(A) K=0.77 dB(A)

Sound pressure level at operator's ear L <sub>PA</sub>	81.6 dB(A) K= 3 dB(A)
Guaranteed sound power level L <sub>WA</sub> (measured according to 2000/14/EC)	96 dB(A)
Valuation of vibration a <sub>b</sub>	Front-assist handle 2.5 m/s <sup>2</sup> K=1.5 m/s <sup>2</sup>
	Rear handle 1.8 m/s <sup>2</sup> K=1.5 m/s <sup>2</sup>

- The above parameters are tested and measured equipped with power head PH1420E.
- The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another;
- The declared vibration total value may also be used in a preliminary assessment of exposure.

**WARNING:** The vibration and noise emissions during actual use of the power tool can differ from the declared values depending on the ways in which the tool is used especially what kind of workpiece is processed; and Of the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

#### PACKING LIST (FIG. A)

About recommended cutting line, please visit the website [egopowerplus.com](http://egopowerplus.com) or refer to the EGO Product Catalogue.

#### DESCRIPTION

KNOW YOUR LINE TRIMMER ATTACHMENT (Fig. A)

1. End Cap
2. Line trimmer Shaft
3. Line-Loading Button
4. Cutting Line
5. Trimmer Head (Bump Head)
6. Release Tab

7. Line-cutting Blade

8. Guard

9. Hex Wrench



**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 line trimmer. Any such alteration or modification is misuse and could result in a hazardous condition leading to possibly serious personal injury.



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

## MOUNTING THE GUARD

**WARNING:** Always wear gloves when mounting or replacing the guard. Be careful of the blade on the guard and protect your hands from being injured by the blade.

Loosen and remove the two screws from the guard (Fig. C), align the guard mounting holes with the assembly holes and then lock the guard onto the shaft base with the two screws, together with two spring washers (Fig. D). Make sure the guard is fixed according to Fig. C & D, any reverse fixing will cause great danger!

## CONNECTING THE LINE TRIMMER ATTACHMENT TO THE POWER HEAD

This line trimmer attachment is designed for use with EGO Power Head PH1420E.

See “INSTALLING A POWER HEAD ATTACHMENT” section in the power head PH1420E 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, along with hearing protection. Failure to do so could result in objects being thrown into your eyes and other possible serious injuries.

## APPLICATIONS

You may use this product for the purpose listed below:

- Trimming grass and weeds from around porches, fences, and decks

**NOTICE:** The tool is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. Before each use check for damaged/worn parts. Check the trimmer head, guard and front handle and replace any parts that are cracked, warped, bent, or damaged in any way.

The line-cutting blade on the edge of the guard can dull over time. It is recommended that you periodically sharpen it with a file or replace it with a new blade.



**WARNING:** Always wear gloves when mounting or replacing the guard or when sharpening or replacing the blade. Note the location of the blade on the guard and protect your hand from injury.



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

## USING THE LINE 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.

**WARNING:** Clear the area to be cut before each use.

Remove all objects, such as rocks, broken glass, nails, wire, or string that can be thrown or become entangled in the cutting attachment. Clear the area of children, bystanders, and pets. At a minimum, keep all children, bystanders and pets at least 15m away; there still may be risk to bystanders from thrown objects. Bystanders should be encouraged to wear eye protection. If you are approached, stop the motor and cutting attachment immediately.

For safe and better operation, put on the shoulder strap across the shoulder. Adjust the shoulder strap in a comfortable operating position. Hold the line trimmer with your one hand on the rear handle and your other hand on the front handle. Keep a firm grip with both hands while in operation. The line trimmer should be held at a comfortable position with the rear handle about hip height. The trimmer head should be parallel to the ground so that it easily contacts the material to be cut without the operator having to bend over (Fig. B).

**WARNING:** 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.

After each use, clean the trimmer

See the MAINTENANCE section for cleaning instructions.

### TO START/STOP THE TOOL

See "STARTING/STOPPING THE POWER HEAD" section in the power head PH1420E operator's manual.

## ADJUSTING CUTTING LINE LENGTH

The trimmer head allows the operator to release more cutting line without stopping the motor. As line becomes frayed or worn, additional line can be released by lightly tapping the trimmer head on the ground while operating the trimmer (Fig. E).

NOTICE: Line release will become more difficult as the cutting line becomes shorter.



**WARNING:** Do not remove or alter the line-cutting blade assembly. Excessive line length will cause the motor to overheat and may result in serious personal injury.

## LINE REPLACEMENT

**NOTICE:** Always use the recommended nylon cutting line with diameter no more than 2.4mm. Using line other than that specified may cause the line trimmer to overheat or become damaged.

**WARNING:** Never use metal-reinforced line, wire, or rope, etc. These can break off and become dangerous projectiles.

The line trimmer is equipped with an advanced POWERLOAD™ system. The cutting line can be wound into the spool simply by pressing a single button. Loading a full spool can usually be completed in 12 seconds. Avoid repeated operation of the winding system in rapid succession to reduce the possibility of motor damage.

NOTICE: The POWERLOAD™ system is only available when the attachment is connected to Power Head PH1420E and the battery pack is installed.

1. Remove the battery pack.
2. Cut 4m long cutting line. Insert the line into the eyelet (Fig. F). Push and pull the line from the other side until equal amounts of the line appear on both sides of the trimmer head

**NOTICE:** If the line cannot be inserted into the eyelet when the lower cover is stuck, install the battery pack onto the power head, then press the line-loading button briefly to reset the lower cover.

3. Remove the battery pack if it has been installed onto the power head in the NOTICE after step 2. And follow the steps specified in step 2 to reinsert and align the cutting line.
4. Install the battery pack onto the power head.
5. Press and hold the line-loading button to wind the line into the trimmer head continuously until approximately 15 cm of the line is showing on each side. (Fig. G).
6. Push down on the trimmer head while pulling on the lines to manually advance the line in order to check for proper assembly of the cutting line.

**NOTICE:** In case the line is pulled into the trimmer head by accident, open the head and pull the cutting line out from the spool. Follow the section “RELOADING THE CUTTING LINE” in this manual to reload the line.

### RELOADING THE CUTTING LINE

When the cutting line breaks from the eyelet or the cutting line is not released when the trimmer head is tapped, you will need to remove the remaining cutting line from the trimmer head and follow the steps below to reload the line.

1. Remove the battery pack.
2. Press the release tabs on the trimmer head and remove the lower cover assembly of the trimmer head by pulling it straight out (Fig. H).
3. Remove the cutting line from the trimmer head.
4. Take the spring out of the spool assembly, if necessary. Save it for reassembling.
5. Insert the spring into the slot in the lower cover assembly (Fig. I).
6. With one hand holding the trimmer, use another hand to grasp the lower cover assembly and align the slots in the lower cover assembly with the release tabs (Figure J). Press the lower cover assembly until it snaps into place, at which time you will hear a distinct click sound (Fig. K).
7. Follow the instructions in the “LINE REPLACEMENT” section to reload the cutting line.

### TRIMMER HEAD REPLACEMENT



**WARNING:** If the head loosens after it is fixed in position, replace it immediately.

Never use a trimmer with a loose cutting attachment.

Replace a cracked, damaged or worn out cutting head immediately, even if damage is limited to superficial cracks. Such attachments may shatter at high speed and cause serious injury.

Familiarize yourself with the trimmer head (Fig. L).

Fig. L parts description see below:

L-1	Shaft	L-6	Washer
L-2	Bushing(2)	L-7	Nut
L-3	Upper Cover	L-8	Spring
L-4	Circlip	L-9	Cutting Line
L-5	Spool Retainer	L-10	Lower Cover Assembly

### Remove the trimmer head

1. Remove the battery pack.
2. Press the release tabs on the trimmer head and remove the lower cover assembly of the trimmer head by pulling it straight out.
3. Remove the cutting line from the trimmer head.
4. Take the spring out of the spool assembly, if necessary. Save it for reassembly.
5. Wear gloves. Use one hand to grasp the spool assembly to stabilize it, and use the other hand to hold a 13mm impact wrench (not included) to loosen the nut in a CLOCKWISE direction (Fig. M).
6. Remove the nut, washer and spool retainer from the motor shaft (Fig. L).
7. Use circlip pliers (not included) to remove the circlip.  
Remove the upper cover and two bushings from the motor shaft (Fig. L).
8. Replace with a new trimmer head and mount it in following steps.

### Install the new trimmer head

1. Mount the two bushings on the motor shaft.
2. Align the flat slot in the upper cover with the flat in motor shaft and mount the upper cover into place (Fig. N).

Fig. N parts description see below

N-1	Flat	N-2	Flat Slot
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3. Mount the circlip, spool retainer, and washer in that order (Fig. L). Use an impact wrench on the nut to tighten it COUNTERCLOCKWISE.
4. Following steps 4 and 5 in "RELOADING THE CUTTING LINE" section in this manual to mount the lower cover assembly.
5. Follow the instructions in "LINE REPLACEMENT" section in this manual to reload the cutting line.
6. Start the tool to see whether the line trimmer will work normally. If it does not, reassemble as described above.

## MAINTENANCE

**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:** 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 cloths to remove dirt, dust, oil, grease, etc.

### CLEAN THE UNIT

- Clear any grass that may have wrapped itself around the motor shaft or trimmer head.
- Use a small brush or a small vacuum cleaner to clean the air vents on the rear housing.
- Clean the unit using a damp cloth with a mild detergent.
- 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.

## 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. Hold the line trimmer on its side so that the sealing screw is facing upwards .
2. Use the multi-function wrench provided 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 power head.
- Clean the tool thoroughly before storing it.
- If the line trimmer 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.
- 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.

## SHARPEN THE LINE-CUTTING BLADE

 **WARNING:** Always protect your hands by wearing heavy gloves when performing any maintenance on the line-cutting blade.

1. Remove the battery.
2. Remove the line-cutting blade from the guard.
3. Secure the blade in a vise.
4. Wear proper eye protection and gloves and be careful not to cut yourself.
5. Carefully file the cutting edges of the blade with a fine-tooth file or sharpening stone, maintaining the original cutting edge angle.
6. Replace the blade on the guard and secure it in place with the two screws.

## Protecting the environment



Do not dispose of electrical equipment, battery charger and batteries/ rechargeable batteries into household waste!

Take this product to an authorized recycler and make it available for separate collection. Electric tools must be returned to an environmentally compatible recycling facility.

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.

## TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
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Line trimmer fails to start.	<ul style="list-style-type: none"> <li>■ The battery pack is not attached to the power head.</li> <li>■ No electrical contact between the power head and the battery pack.</li> <li>■ The battery pack charge is depleted.</li> <li>■ The lock-off lever and trigger are not depressed simultaneously.</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 until it snaps into place.</li> <li>■ Charge the battery pack with EGO chargers listed in this manual.</li> <li>■ Press down the lock-off lever and hold it, then depress the trigger to turn on the line trimmer.</li> </ul>
Line trimmer stops while cutting.	<ul style="list-style-type: none"> <li>■ The guard is not mounted on the trimmer, resulting in an overly long cutting line and motor overload.</li> <li>■ Heavy cutting line is used.</li> <li>■ The motor shaft or trimmer head is bound with grass.</li> <li>■ The motor is overloaded.</li> <li>■ The battery pack or line trimmer is too hot.</li> <li>■ The battery pack is disconnected from the tool.</li> <li>■ The battery pack is depleted.</li> </ul>	<ul style="list-style-type: none"> <li>■ Remove the battery pack and mount the guard on the trimmer.</li> <li>■ Use recommended nylon cutting line with diameter no greater than 2.4 mm.</li> <li>■ Stop the trimmer, remove the battery, and remove the grass from the motor shaft and trimmer head.</li> <li>■ Remove the trimmer head from the grass. The motor will recover when the load is removed. When cutting, move the trimmer head in and out of the grass to be cut and remove no more than 20 cm of length in a single cut.</li> <li>■ Allow the battery pack or trimmer to cool until the temperature drops below 67°C.</li> <li>■ Re-install the battery pack.</li> <li>■ Charge the battery pack with EGO chargers listed in this manual.</li> </ul>
Trimmer head will not advance line.	<ul style="list-style-type: none"> <li>■ The motor shaft or trimmer head is bound with grass.</li> <li>■ There is not enough line on the spool.</li> <li>■ The trimmer head is dirty.</li> <li>■ The line is tangled in the trimmer head assembly.</li> <li>■ The line is too short.</li> </ul>	<ul style="list-style-type: none"> <li>■ Stop the trimmer, remove the battery, and clean the motor shaft and trimmer head.</li> <li>■ Remove the battery and replace the cutting line; follow the section "RELOADING THE CUTTING LINE" in this manual.</li> <li>■ Remove the battery and clean the spool, lower cover assembly and upper cover.</li> <li>■ Remove the battery, remove the line from the spool and rewind; follow the section "RELOADING THE CUTTING LINE" in this manual.</li> <li>■ Remove the battery and pull the lines manually while alternately pressing down and releasing the trimmer head.</li> </ul>
Grass wraps around trimmer head and motor housing.	<ul style="list-style-type: none"> <li>■ Cutting tall grass at ground level.</li> </ul>	<ul style="list-style-type: none"> <li>■ Cut tall grass from the top down, removing no more than 20 cm in each pass to prevent wrapping.</li> </ul>
The blade is not cutting the line.	<ul style="list-style-type: none"> <li>■ The line-cutting blade on the edge of the guard has become dull.</li> </ul>	<ul style="list-style-type: none"> <li>■ Sharpen the line-cutting blade with a file or replace it with a new blade.</li> </ul>
Cracks on the trimmer head or the spool retainer comes loose from the spool base.	<ul style="list-style-type: none"> <li>■ The trimmer head is worn out.</li> <li>■ The nut that locks the trimmer head is loose.</li> </ul>	<ul style="list-style-type: none"> <li>■ Replace the trimmer head immediately; follow the section "TRIMMER HEAD REPLACEMENT" in this manual.</li> <li>■ Open the trimmer head and use an impact wrench to tighten the nut.</li> </ul>

During line re- place ment, the line can't be loaded into the trimmer head properly.	<ul style="list-style-type: none"><li>■ The string line is not correctly i nserted into the mounting hole in t he eyelet.</li><li>■ Spool retainer's LOAD lines do n ot align with the eyelets in the spo ol base.</li><li>■ When winding the cutting line im mediately after long time of operation, the POWERLOAD TM system may stop working due to o ver-temperature protection.</li></ul>	<ul style="list-style-type: none"><li>■ Align the LOAD lines with the eyelets firstly, then i nsert the line into the mounting hole, which is locate d inside the eyelet.</li><li>■ Rotate the spool retainer in the arrow direction to align the LOAD lines on the spool retainer with the e yelets in the spool base.</li><li>■ Wait until the tool is cooled and then restart loadin g the line.</li></ul>
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WARRANTY

EGO WARRANTY POLICY

Please visit the website [egopowerplus.eu](http://egopowerplus.eu) for full terms and conditions of the EGO Warranty policy.



Documents / Resources

	<p><a href="#">EGO POWER STA1600 Line Trimmer Attachment</a> [pdf] Instruction Manual STA1600 Line Trimmer Attachment, STA1600, Line Trimmer Attachment, Trimmer Attachment, Attachment</p>
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References

-  [The #1 Rated Brand in Cordless Outdoor Power Equipment | EGO](#)
-  [EGO Power Plus](#)
- [User Manual](#)

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