ELIET®

USER MANUAL

E401



In this manual you will find information on the proper operation and maintenance of the machine. **Read it carefully and keep it in a safe place.**



Please keep your purchase invoice or proof of payment with this manual



Register your online purchase at www.eliet.eu

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1. Introduction



1.1 Read this manual

ELIET machines are designed to operate safely and reliably as long as they are used in accordance with the instructions. You should read this user guide carefully before using the machine. Failure to do so may result in personal injury or property damage.

1.2 Identification Data – Scarifier E401

Write the identification data of your machine in the boxed areas:

Article number:	MA
Engine:	
Serial number:	
Year of Manufacture:	20

2. Warranty



2.1 Registering your machine

European customers:ELIET EUROPE S.A.
Diesveldstraat 2 8553 Otegem

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e-mail: info@eliet.eu, www.eliet.eu

U.S. customers:
ELIET USA Inc.
19E Moreland Av.
Philadelphia, PA 19118
Ph +1 412 367 5185
e-mail: info@elietusa.com, www.elietusa.com

3. Welcome



Welcome to ELIET customers.

We thank you for having shown your trust in us by purchasing an ELIET machine. We are convinced that you have just bought the best machine ever. The lifespan of your ELIET machine depends on how you treat it. This user guide and the engine instructions supplied with the machine will help you with this. By following the instructions and advice contained therein, you can be sure that your ELIET machine will serve you very well for a very long time.

We strongly recommend that you read this user guide carefully. This will prevent you from making a mistake that can have serious consequences. It is also in your best interest to read the chapter detailing the safety instructions carefully. Even if you are familiar with this type of machine, it is highly recommended to this manual carefully.

As ELIET is constantly improving its machines and equipment, we reserve the right to make some slight changes to the content of the delivery, both in terms of its configuration and equipment as well as in terms of the technology used. The descriptions and technical specifications in this User's Guide are those in force at the time of publication. Some drawings, or even descriptions, may not be applicable to the type of machine you have purchased but may refer to another version. Accordingly, we ask you to be understanding that we do not accept any responsibility for the texts and illustrations in this user guide.

If you still have questions after reading this user guide, please do not hesitate to contact your ELIET dealer.

ELIET AT YOUR SERVICE

During office hours, the ELIET helpdesk is always at your service to answer your questions.

European customers: GMT +1: 8-12h & 13-17h (16h FRI)
T (+32) 56 77 70 88 - F (+32) (+32) 56 77 52 13

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Belgique
Service@eliet.eu

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T (+001) 412 367 5185 - F (+001) 412 774 1970

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5. Safety symbols





A number of symbols are used in this manual to provide additional information and to draw the user's attention to hazards.

5.1 For your information



For your information: This symbol is meant to draw your attention to special information and/or actions, or to inform you that additional information on a particular topic is also available elsewhere in the manual.

5.2 Attention



Attention: This symbol explains how to avoid mishandling. This will allow you to avoid any manipulation that could cause bodily injury or property damage.

5.3 Warning



Warning: This symbol is meant to draw your attention to very serious risks of which you need to be aware in certain circumstances. In these cases, please remain alert, in order to ensure your own safety.

6. Main components



To fully understand the content of this user guide, it is important to familiarize yourself with the terminology used in the explanations. This chapter reviews different components by identifying them by name.

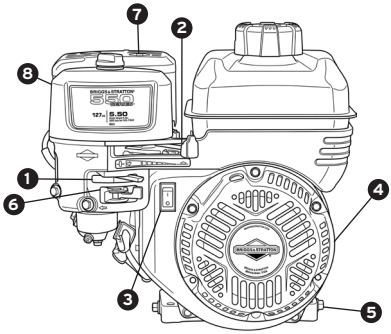
It is highly recommended that you study the machine beforehand in order to understand the explanations given in this user guide.

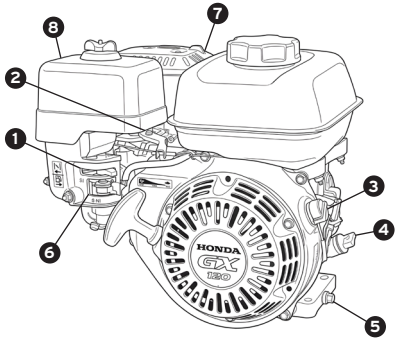
6.1 Overview

1. Handlebar
2. Clutch lever
3. Collector bag
4. Fuel cap
5. Clamping wheel
6. Engine
7. Fuel tank
8. Belt protection cover
9. Height adjustment knobs



6.2 Petrol Engines





1. Choke
2. Engine speed lever
3. ON/OFF switch
4. Oil dipstick/filler cap
5. Oil drain plug
6. Petrol inlet tap
7. Exhaust
8. Air Filter

For your information: All designated positions such as forward, backward, left and right are those included at the start of the user's working position behind the handlebars and facing the direction of travel of the machine.

For your information: Your ELIET dealer is there to advise you and maintain your machine so that it always offers optimal performance. You can also contact the latter for your parts and lubricants needs. These parts are designed with the same craftsmanship and precision as the original parts.

Attention: For your own safety, ELIET recommends that you only use original parts.

7. Safety instructions





7.1 Warning Notes



This sticker is affixed to the protective guard in front of the engine and indicates a danger of hand injury. The user can only put their hands and feet under the machine when the knives are stationary. The engine must always be shut down in the event of an anomaly and in any case before carrying out maintenance operations.

Reference: BQ 505 010 070



This sticker is stuck on the machine at engine height. The sticker summarises the general safety instructions in the form of icons:

1. The user must have read and be familiar with this owner's manual before operating the machine.

2. The operator must wear suitable protective clothing before operating the machine (such as protective gloves, goggles, hearing protection).

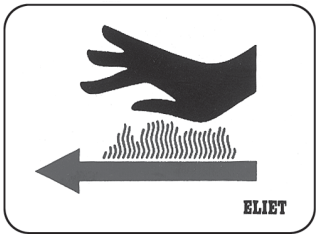
3. The use or maintenance of the equipment poses a danger of serious injury to the hands. Vigilance and caution are therefore required.



Reference: BQ 505 010 050

This sticker is stuck on the machine at engine height. This sticker reminds the user to turn off the engine and remove the spark plug cap before any work is done on the machine.

Reference: BQ 505 010 040

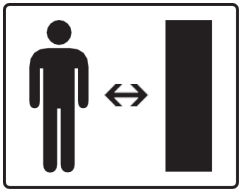


This sticker is affixed near the exhaust and indicates to the user that the surface is very hot and poses a real burn hazard.

Reference: BQ 505 010 060

This sticker is also affixed next to the engine. This sticker reminds the user of the importance of not allowing third parties to approach them while the machine is operating.

Reference: BQ 505 010 150



This sticker is affixed to the housing of the transmission belt. This sticker indicates that it may be dangerous to remove the guard guard when the engine is running. It is forbidden to work without this housing protection. The user should always turn off the engine before removing the guard.

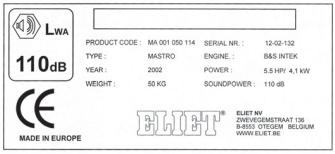
Reference: BQ 505 010 130



This unique sticker contains all the machine's identification data:

Year of construction:

- Model
- Type Number
- Serial Number:
- Power:
- Weight:
- Guaranteed A-weighted sound power level:

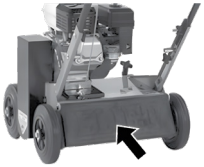


In addition, the sticker bears the manufacturer's contact information. The sticker bears proof of conformity with the EC Directive in the form of a CE mark.

7.2 Safety features



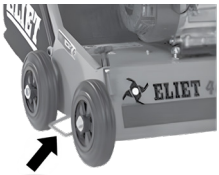
Control Lever: When the control lever is released, the blade drive is disengaged from the motor and the blade holder stops.



Steel housing and mud flap: The knives are fitted in a resistant steel housing which, together with the mud flap, prevents moss, grass and small stones from splashing.



Belt guard: The guard guard ensures that the rotating parts of the drivetrain that could cause injury are adequately protected.



Side knife guard: The guard between the wheels prevents the user from touching the rotating knives laterally with their feet.



Caution: Never attempt to bypass or disable protective devices. The security measures have been taken in the interest of your own safety. Before starting work, the user must ensure that the safety devices are working properly. In the event of a breakdown, make the necessary repairs first.

7.3 Safety instructions

7.3.1 General Safety Instructions



Danger: MOST ACCIDENTS ARE THE RESULT OF CARELESSNESS OR THOUGHTLESS BEHAVIOUR.

- The machine owner must keep this owner's manual for the life of the machine. The operator will use it as a reference book to operate and maintain the machine according to the rules of the art. If you are unsure about how to perform a transaction, always refer to this user guide.
- If the instructions provided in this user guide are unclear, please do not hesitate to ask your ELIET dealer for further explanation. The ELIET helpdesk is always at your disposal to answer your questions. (+32 56 77 70 88)



For your information: Also read carefully the engine instructions delivered with the machine. This includes a lot of useful information to properly use and maintain the engine.

See the Dealer User Guide chapter (see § 8; page 16), and immediately check whether the machine has been delivered to you according to the specifications.

- When using the machine, follow all safety instructions. Read all instructions relating to the operation of the machine carefully. All of them are supposed to guarantee your safety.
- When you buy the machine, ask the dealer or any competent person to help you. explain how it works.
- Familiarize yourself with the safety notes of the stickers affixed to the machine.

7.3.2 Use with caution

- Think about every operation you perform with the machine. Don't get distracted from your task or lose focus out of habit. Never act impulsively or reflexively.
- Don't take undue risks despite the presence of many safety features.
- This machine has been designed to pull out moss and felt growing in your lawn and possibly collect it in a collection bag. It can therefore never be used for any other purpose.
- Scarification is a surface treatment. The knives should only come into contact with the turf surface. The maximum working depth is 2 mm. Machines set too deep can be prone to knife breakage and accelerated wear.
- ELIET accepts no liability for any damage resulting from the use of the machine with knives set too deep.
- The user will only scarify forward. For the sake of general safety, ELIET prohibits all scarification work in reverse.

- The user will never scarify frozen ground.
- The user should preferably work on dry grass. Working on wet grass increases the risks. Therefore, be extra careful if this is the case.
- Scarification is not recommended on a lawn that is too dry after a period of drought. The release of dust would increase the damage to the lawn. In addition, scarification in these conditions would be detrimental to the turf.
- Make sure that the place where you work has a minimum light intensity of 500 lux.
- The original version of the machine will not be modified under any circumstances without permission explicit and prior written consent of ELIET.
- The machine will not be used as a means of transporting people or goods under any circumstances.
- Carefully inspect the area where the machine will be used. Remove branches and stones, but also think about electrical cables, water pipes, irrigation holes, sump covers,....
- As soon as the user gets out of the turf and rolls on a hard ground, he must stop the knives. When he has to travel long distances on hard ground, he also has to shut down the engine.
- Use the machine with respect for the environment:
- Do not leave the machine running unnecessarily without working.
- Avoid wasting gas when refuelling.
- Maintain the engine regularly to keep it running smoothly.

7.3.3 User Responsibility

- The person working with the machine is supposed to know the safety instructions. It is fully responsible for the machine both to itself and to third parties. The user of the machine is supposed to have a certain maturity that allows him to make decisions based on common sense.
- The machine cannot be entrusted to a minor. However, this does not apply to children over the age of 16 who are learning to use them under adult supervision. You should read this instruction manual before using the machine.
- Children and pets should be kept away from the machine.
- ELIET advises not to lend this machine. If you do, only lend it to people who are familiar with the operation of all its controls. In any case, draw their attention to the possible risks, and force them to read this user guide beforehand.
- Anyone who will be working with this machine must be well rested and in good physical condition. As soon as the user starts to feel tired, he or she should take a break. The user who has consumed alcohol cannot get behind the handlebars.



Danger: A MOMENT OF INATTENTION OR RECKLESSNESS CAN BE VERY COSTLY.

7.3.4 Personal protective equipment



For your information: By wearing personal protective equipment, the user reduces the risk of injury.

- Working with this machine requires proper clothing. That is, clothing that covers the entire body, sturdy work gloves and closed-toe shoes.
- Since the feet are at the greatest risk, sturdy, closed-toe shoes with a non-slip sole are essential. Shoes with a metal toe are not a superfluous luxury.
- To protect their eyes and ears, the operator will also wear protective glasses and earmuffs.
- Scarification operations can produce considerable dust release. If this dust irritates your respiratory tract, ELIET advises you to wear a dust mask. (complies with 89/686/EEC)

7.3.5 Hazardous areas

The safest location for the user is behind the machine, with both hands on the handlebars.

- When the machine is running, make sure that no one approaches it within a radius of 10 m.
- Don't take any chances! If a person enters the danger zone, stop the blade drive immediately.
- As soon as he moves away from the machine, the operator is required to turn off the engine.
- Once the engine is running, the user will have to devote their full attention to the control of the machine.

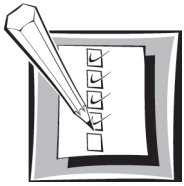
7.3.6 Regular maintenance



For your information: Regular maintenance is essential to ensure your own safety and a long service life of the machine.

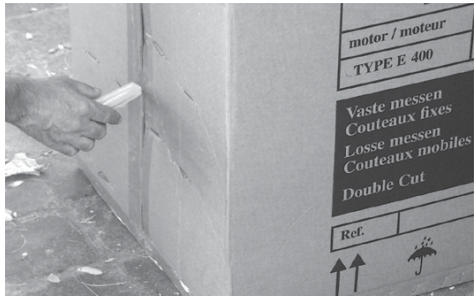
- Periodic maintenance is essential. The user must scrupulously follow the maintenance scheme set out in this user manual (see § 11.2; page 31). A service table will help you to record the number of hours the machine has been running.
- If you need to replace some worn or damaged parts, always contact your ELIET dealer and ask them for original spare parts. Your safety is at stake
- Repair, maintenance and cleaning work can only be carried out when the the engine is stopped and the spark plug is removed.

8. Dealer Obligations

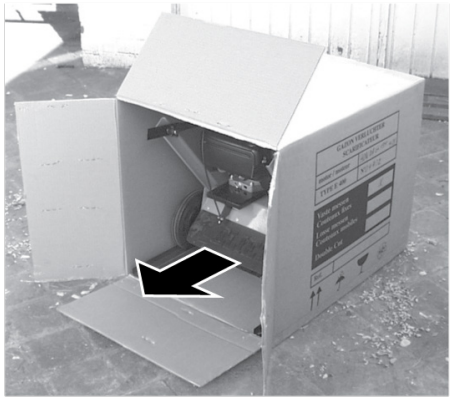


8.1 Unpacking the machine

- Place the box on stable ground. Pay attention to the arrows indicating the top side of the box.
- Cut out the side of the box and open the flaps.

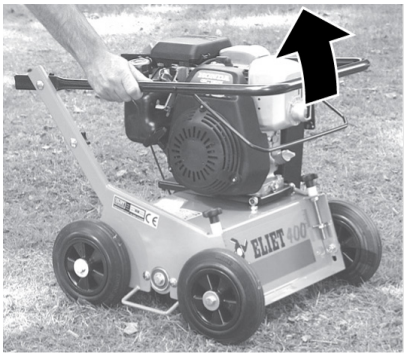


- Remove the machine from the box.

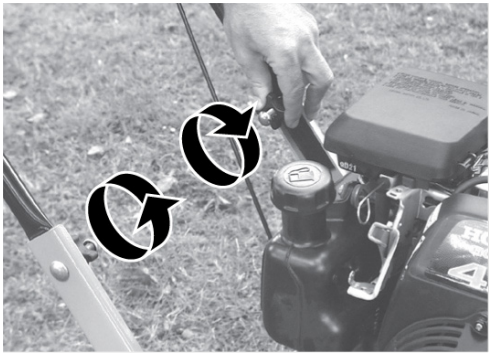


8.2 Handlebar Assembly

- Rotate the handlebars from its horizontal position backwards until the handlebars mate on both sides into the chassis mounts.

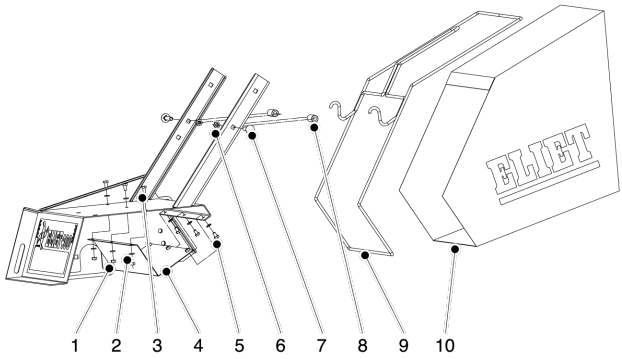


- Tighten the clamping knobs on both sides of the handlebar.



8.3 Assembling the collection bag

If you have purchased a collection bag for your machine, it consists of a number of parts:



1. 6 x self-tightening nuts M6
2. 9 x washers M6
3. 3 x M6x12 screw
4. 1x Deflector plate
5. 3 x M6x10 screw
6. 2 x M8 Self-Tightening Nuts
7. 2 x M8x50 screw
8. 2 x Load-bearing axes
9. 1x Frame
10. 1x Textile Collector Bag

Pull the collection bag over the frame so that the nylon bottom plate is on the bottom side. The collection bag is equipped with plastic clips. These clips are inserted all around the rack to securely attach the bag to the frame.

To hang the collection bag from the machine, the two ends of the shaft must be clamped to the handlebars. Two holes are provided for this purpose. Place the small trees inside the handlebars and secure them using the supplied fasteners (see illustration above).

The metal deflector positioned in the chassis is intended to guide the foam to the collection bag.

The metal deflector is mounted under the chassis. Six holes are provided for mounting in the chassis See illustration above.

Tighten the nuts tightly so that the plate cannot come off the machine in use.

8.4 Other tasks



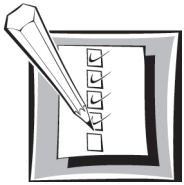
Danger: As an ELIET dealer, it is your duty to explain to your customers how the machine works and in addition, to point out the potential dangers associated with the use of the machine. With the new owner, carefully list the maintenance points of the machine. Repeat these explanations until the new owner has understood enough. As a manufacturer, ELIET cannot sufficiently emphasize the fact that the dealer is obliged to strongly recommend to its customers to tighten all the bolts of the machine after the first 5 hours of work.

- The machine is refuelled with 98 E5 petrol, less than 1 month old (see §9; page. 20).
- The dealer checks the oil level with the dipstick before delivering the machine to the customer.
- The dealer makes sure that the engine speed has been set to 3200 rpm.
- It warms up the engine again and ensures that all control functions are operational.
- The dealer ensures that all safety devices are working perfectly.
- Every ELIET dealer is responsible for the longevity of the ELIET machine. Before entrust the machine to the customer, the dealer regreases all moving parts. Important information for the new owner at the time of delivery: The dealer explains to the new owner how the machine is to be used.
- The dealer draws the attention of the new owner to the fact that the machine must undergo an initial maintenance after 10 hours of use (to re-tighten the belt and drain the engine oil).
- The dealer will draw the user customer to the potential risks of using the machine and will explain the various situations to be avoided in order to protect himself as much as possible from injury. To do this, the dealer may present a list of risks listed in this manual and will explain them clearly. (See §16 "Risk Analysis", page 50).
- Finally, the dealer will ensure that a copy of this user manual is provided to the end customer.



Attention: And finally, the dealer ensures that the machine is correctly registered on www.eliet.eu. This is to avoid any subsequent disputes on this subject. Don't forget to read the warranty conditions.

9. User Guide



9.1 Due diligence

Attention: Before you get to work, get into the habit of carrying out the following checks.

9.1.1 Check-list

- Check the total number of hours the machine has been running and compare it with the maintenance schedule (see § 11.2; page 31).
- Check with the engine dipstick to see if there is enough oil. To do this, remove the engine dipstick and check that the oil level does not drop below the minimum mark (see § 11.4.2; page 32).
- Check beforehand if the fuel tank is full. If necessary, top up your fuel (see § 9.2; page 21).
- Check that the air filter is not too dirty (see § 11.4.3; page 32).
- Check the wear of the knives (see § 11.5.6; page 41).
- Check whether the belt tension is still sufficient (see § 11.4.5; page 35). If so, settle it (see § 11.5.5; page 35).
- Make sure that the depth adjustment is sufficient (see § 11.4.4; page 33).
- Make sure that all protective guards are present and properly attached.
- Make sure that all machine guards are working properly.
- If the machine is equipped with a service meter, check that it is running at engine speed

stipulated (3200 rpm). Never try to change the standard engine settings. Once these points have been checked and approved, you can prepare the work area (see § 9.3; page 20) and go there with the machine.

9.2 Fill up with fuel

If there is not enough petrol in the machine, it is advisable to top up the fuel. ELIET recommends using only fresh gasoline. Use unleaded gasoline, preferably an octane rating of 98 (98 E5).



Attention: Under certain conditions, gasoline is extremely flammable and highly explosive. Ignition and explosion of gasoline can cause serious injury or damage. To prevent this, comply with the rules set out below.

- Never refuel while the engine is running. Let it cool for a few years first minutes before topping up.
- Use only fresh gasoline (less than 1 month of storage). To keep it longer, you can add an additive if necessary.
- Store gasoline in a certified gasoline jerry can. Keep Essence Out of Reach Children.
- Never fill up at the place where you plan to work. Stand at least 10 m away from this place. This way, you avoid any risk of fire.
- Never top up fuel in a closed room.
- Clean the rim of the filler cap before unscrewing it. Do not fill out the tank until overflow. Fill the tank to a maximum of 10 mm from the edge. Do not fill it all the way to the mouth.
- To do this, always use a funnel or spout. Your ELIET dealer will provide you with the appropriate funnels.
- Screw the cap back on the tank as quickly as possible. If you spill fuel in refuelling, wipe it down immediately.
- Make sure there is no gasoline on your clothes. If so, change them immediately.
- Filling up near people who smoke or any household is dangerous and therefore strictly forbidden.
- If fuel is swallowed or splashed into the eyes, seek immediate medical attention to a doctor.

9.3 Preparing the work area

- Make sure that the place where you work has a minimum light intensity of 500 lux.
- In addition to the machine, the work area must also meet several conditions, which should be checked before starting work.
- Inspect the work area and remove any foreign objects from the grass before working.
- By foreign objects, we mean, in particular: metal, stones, plastic, pvc, bone, rope, ... as well as molehills, branches, garden hoses, etc. Some of these objects can seriously damage your machine or can break the knives of it.
- If a foreign object cannot be removed (such as a sump cover, an electrical outlet, an automatic sprinkler system, a tree root, etc.), clearly mark out this danger zone.
- Always make sure that the grass has been mowed before starting the scarification operations. The grass should preferably not be longer than 30 mm.
- A mowed lawn also makes it easier to identify foreign objects in the lawn.
- It is not recommended to scarify after a rain shower when the grass is still very wet.
- Set up your course so that the wind doesn't blow the dust back to the engine.
- For the following reasons, it is strictly not recommended to use the machine when the ground is too dry:
- The lawn heals much more slowly than normal.
- The grass is badly damaged.
- Knives wear out much faster and need to be replaced faster.
- The dust release is much greater, which accelerates the fouling of the engine.
- The soil is drying even more than it already did.
- It is strongly recommended that you use a defoamer, defoamer herbicide or weed control product about a week before scarification to ensure that the moss present is dead and dried out during scarification. This will allow the grass to grow back better after scarification.

9.4 Start the engine



Attention: Before starting the machine, remove any dust or dirt from the engine and between the engine cooling fins. Their presence interferes with engine cooling and therefore poses a fire hazard.



Attention: The blade holder rotates as soon as the engine is running and the control handle is pushed towards the handlebars. When you start the engine, make sure that this handle is not in a hurry. When you find yourself in a situation where you are at risk of losing control, the quickest way to stop the blade holder is to release the control handle.

9.4.1 Gasoline engine



For your information: The engine starting procedure may vary slightly from one engine brand to another. The user will also have to read the instruction manual provided with the motor. The different versions are illustrated in chapter § 6 (page 8).

Before starting the engine, make sure that there is enough oil and petrol, as long as this check has not yet been carried out.

- For checking and topping up the oil, see § 11.4.2 (page 32) Checking the engine oil level.
- For the top-up of petrol, see § 9.2 (page 21).
- If the tank has a supply valve, open it.
- Depending on the make of the engine, place the handle or turn the ignition switch to the "ON" position.
- Put the choke on "Close".
- Put the throttle lever in the full throttle position (frequently represented by a hare).



Attention: Before starting the engine, protect your ears with the right hearing protection.

- To start the engine, pull the starter cord vigorously.
- As soon as the engine is running, turn the choke (choke lever) to "Open". This will prevent the engine from flooding. Otherwise, the engine will slow down and start to emit strong smoke and it will eventually shut down. Then restart the engine without using the choke.
- If you can no longer start the engine, it means that the spark plug is dirty and you need to clean or replace it (see page 37, § 11.5.2 Checking or replacing the spark plug).

9.5 Working with the machine



Attention: The blades will continue to rotate as long as the control handle is depressed and the motor is not completely stopped. Therefore, do not carry out any maintenance at this time.



Attention: The mud flap and belt guard protect the user from the rotating parts. So never risk slipping your hand or another part of the body behind these protections when the engine is running.

9.5.1 Before you start work

- Take note of the following safety precautions before you start working:
- Never leave a gasoline-powered machine running in an unventilated room. The
- Toxic gas release from the engine could lead to a serious risk of poisoning.
- The operator shall wear the clothing, gloves and other safety accessories as recommended in this instruction manual (see § 7.3; page 12).
- The user must work with sustained attention. When using the machine, he must devote his full attention to his work.
- He will only work when there is sufficient visibility: there must be enough lighting.
- If the machine is equipped with an electric motor, the power cable will be placed in such a way as to not be in the path of the machine. **This power cable must have a cross-section of 2.5 mm² and a maximum length of 25 meters.**

Also follow these recommendations:

- A good gardener makes a schedule and works in an orderly manner. This approach allows him to to have a good overview of your work and to avoid accidents and wrong manoeuvres.
- Once the engine is running, let it heat up. This is necessary for it to provides optimal performance.



Attention: The user will never tip the machine on its front wheels when the engine is running. This could cause the blades to turn on unexpectedly.

9.5.2 During work

The following procedure must be followed to scarify:

- Always place the machine on the turf before turning on the knives.
- Push the handlebars down slightly so that the knives are lifted off the ground. You must lift the machine 3 to 4 centimetres.
- Press the control handle against the handlebars to turn on the knives.
- Let the engine rev up.
- Let the knives go down to the soil.
- Push the machine forward at a low speed. The slower you scarify, the better the result will be.

Here are some important notes to consider when scarifying:

- Avoid stopping at a specific spot, as this could create holes in the grass.
- The most effective way to scarify is to pass over the total area twice, but in two directions perpendicular to each other.
- Remember, scarifying doesn't mean the same thing as milling the soil. These two operations each have a specific purpose and are each carried out by means of specific machines.
- As soon as you hear a strange noise, stop work immediately. Turn off the engine immediately and investigate the cause of the operating incident. Before proceeding, make the necessary repairs.
- If you notice that despite the precautions taken, a foreign object has entered the machine, turn off the engine immediately. Remove the problem object and make sure it has not damaged the machine. In the event of damage, make the necessary repairs first.

To change direction or overcome small obstacles (paths or terraces), follow these steps:

- Release the control handle.
- Push the handlebars down slightly so that the knives are lifted off the ground. You should lift the machine 3 to 4 centimetres. With the knives stationary, you can raise the machine slightly if necessary.
- Push the machine to where you want to start scarifying again.
- Pull the control handle against the handlebars to turn the knives on.
- Let the engine rev up.
- Let the knives go down to the floor.
- Push the machine forward again at a reduced speed.



Attention: If you have to go through an area with a hard surface, you should always disengage the knives. Then lift the front wheels about 4 cm by tilting the handlebars downwards. If the distance to be covered on a paved floor is relatively large (> 10 m), the engine will always be stopped.

9.5.3 Emptying the collection bag

The collection bag always has an opening through which it is possible to check its fill level.



If you notice that the bag is full or you notice that the machine is losing foam, you should empty the bag.

- Release the control handle to disengage the knives.
- Then grab the collection bag by its handle and unhook it from its attachment points.

Attention: In many cases, there will still be some moss under the chassis. Never put your hands under the guard, as the knives can always start spinning unexpectedly when the engine is running. Instead, push the machine one meter forward so you can pick up the excess moss from the floor.

Once the collection bag is empty, fold down the scarifier bib and hang the collection bag on its attachment points.

Attention: When tilting the bib, always make sure the knives are not engaged.

Only when the drip bag and mud flap have been properly put back in place can the knives be re-engaged as described above.

9.6 Stopping the engine

9.6.1 Gasoline engine

- To turn off the engine, turn the throttle lever to the minimum and turn the ignition switch to the OFF position.
- If the tank is equipped with a supply valve, turn it off.

9.6.2 Electric motor

- To stop the electric motor, simply release the yellow control handle on the handlebars.

9.7 After the job is done

9.7.1 Cleaning the machine



An uncleaned machine wears out faster. A machine that no longer works can jeopardize the user's safety.

What are the disadvantages of a machine cleaning defect?

1. Bearings wear out faster.
2. Seals wear out faster.
3. Cooling is less efficient.
4. The machine may overheat.
5. We don't notice cracks or breakage.
6. The paint corrodes.
7. Labels become illegible.

- It is therefore best to spend a few minutes cleaning the machine after each use. Cleaning can also allow a visual inspection of the machine. This makes it possible to identify any cracks, cracks or lubricant in good time.
- The main points should be taken into account:
- The motor should not be clogged with dust and dirt. In any case, the cooling fins and the exhaust approaches must remain clean. Clean the area around the gas cap regularly to prevent dirt from entering the tank.
- The bearing bearings must be free of dust and dirt that has been taken up by the lubricant. Once cleaned, lubricate them again (see the list of lubricants (see § 11.3; page 32).
- Clean the chassis with a dry cloth (especially where stickers are with safety remarks).



Attention: Wear the right clothes to clean. Gloves must be worn systematically.

- To clean, use a dry cloth, a soft brush,... To remove grease and lubricant, use penetrating oil containing molybdenum disulfide (MoS2). This aerosol is a lubricating product that also dissolves rust.
- You can also rinse the machine with a pressure washer. However, do not overemphasize bearings, protective housings and filler caps. Water is the main cause of rust formation, so contact with it should be avoided. Give the engine time to cool down before directing a high-pressure stream of cold water into it.

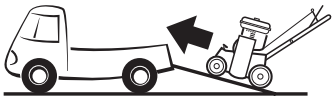
9.8 Treatment of the turf after scarification

- After scarification, it is essential to carefully remove all the torn moss. This will prevent the foam from sticking to the ground again.
- **Overseeding:** To promote rapid regrowth of the grass after scarification, new grass should be seeded in the space between the existing grass shoots. This is possible by simply sowing on top, but it is best to get the seeds directly into the soil. This will allow seeds to germinate more quickly and the grass to become denser faster. It is essential to irrigate the lawn regularly. ELIET has several models of overseeders in its range dedicated to this work. These precision machines are ideal for giving your lawn a real makeover.
- **Fertilization:** To promote the regeneration of your existing lawn, careful fertilization is recommended. This will also stimulate the growth of the added grass seed. The choice of fertilizer depends on the type of soil, its degree of acidity and the variety of grass. Get advice from a fertilizer supplier.
- **Aeration:** Very often, the soil of your lawn is compressed because people walk or roll on it. The grass then lacks air. In addition, rainwater and fertilisers are more difficult to penetrate into the subsoil. These are some of the factors that stunt the growth of grass and promote the development of surface pests such as moss. To decompact compressed soil, it must be thoroughly aerated.
- **Sanding:** To keep the surface layer of your lawn well aerated, you can sand it. It is best to do this after scarification or aeration. It is preferable to choose a silica sand.
- **Irrigation:** When the weather is sunny and temperatures are high for a long time, the grass slows down its growth to protect against drought. If a dry spell occurs after scarification, it is recommended to water the lawn moderately. It is important that the soil of the turf remains moist so that the grass can absorb fertilizers, that growth continues, and that the turf regenerates faster.

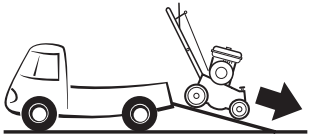
10. Machine transport



- To move the machine, push the handlebars down slightly to remove the knives from the floor.
- When you move the machine, the engine should always be stopped.
- This machine can only be moved and transported by adult people.
- During transport, children, animals and unauthorised persons must not be allowed to enter within a radius of 3 m.
- Choose your route wisely to meet a minimum of obstacles. Opt for a flat and uneven path.
- If for any reason your machine should tip over, straighten it out as soon as possible. This prevents oil from the crankcase from reaching the air filter. Since these filters are relatively expensive, it is in your best interest to avoid this kind of problem.
- To load the machine into a van or trailer, use non-slip ramps. Make sure they are securely attached to the vehicle or trailer. The slope may not, under any circumstances, exceed 25°.
- When loading and unloading the machine, act with caution and circumspection to prevent the machine from tipping over and causing an accident.
- To go up, you have to move forward in forward direction.
- To descend, it is necessary to advance also in forward direction.



- During the journey, the machine must be securely secured to the vehicle. Use fixed parts of the chassis to secure it with straps.
- To reduce the size of the machine for transport, it is possible to fold the handlebars. To do this, loosen the clamping knobs on either side of the handlebars, move the handlebar arms slightly outwards and finally fold the handlebars forward (see § 8.2, page 17 but in reverse order).



11. Maintenance



11.1 General

For your information: Your dealer's staff is at your complete disposal. The ELIET dealer can count on ELIET's support at any time to find a solution to any problems you may have. For repairs or maintenance of the engine, you can contact either your ELIET dealer or an authorized service centre of the engine manufacturer. When using these services, remember to mention the model and serial number of the machine and engine, as well as give an accurate description of the problem. Use only original ELIET spare parts. These elements have been manufactured according to the same quality criteria as the original parts. For your own safety, ELIET recommends that you only use original parts.

All maintenance must take place in a room specially provided for this purpose.

This room must be:

- spacious
- Easily accessible
- Well lit
- Dust-free
- well organized
- Sheltered from the comings and goings

Compliance with these criteria must allow maintenance to be carried out in optimal conditions.

Attention: Negligence during maintenance may jeopardize the operator's safety later on. Any maintenance work involves the engine being shut down. To avoid any risk, you should even disconnect the spark plug (or the electrical cord). All maintenance involves wearing protective gloves or even protective glasses.

- The maintenance work described below can in principle be carried out by anyone with the necessary technical knowledge. However, ELIET advises returning your machine to the dealer once a year for major maintenance.
- Your ELIET dealer is always there to service your machine and advise you. It also has the original spare parts and recommended lubricants. Its staff can call on ELIET at any time and thus offer you an impeccable after-sales service.

11.2 Periodic maintenance plan

	Description	Routine check-ups before each work session	Great maintenance after 20 hours of work
	**Visual inspection of the machine's condition**	§ 11.4.1	
	**Checking the engine oil level**	§ 11.4.2	
	**Cleaning the air filter**	§ 11.4.3	
	**Depth control and adjustment**	§ 11.4.4	
	**Belt tension control**	§ 11.4.5	
	**Cleaning the machine (at the end of each working session)**	§ 9.7.1	§ 9.7.1
	**Changing the engine oil**		§ 11.5.1
	**Checking or replacing the spark plug**		§ 11.5.2
	**Air Filter Replacement**		§ 11.5.3
	**General lubrication**		§ 11.5.4
	**Adjusting the belt tension**		§ 11.5.5
	**Replacing knives**		§ 11.5.6

11.3 Lubricants

Engine (0.6 l)	SUNOCO SUPER DENALUBE SAE 10 W 30 API SJ
Points of articulation	NOVATIO PTFE OIL
Wheel hubs	GREASE SUNOCO MULTI-PURPOSE LR - EP2

11.4 Checks before each work session

11.4.1 Visual inspection

Make sure that the parts are not deformed, that the welds do not have any cracks and that the parts do not have too much play. If you notice any problems, carry out the necessary repair work first.

11.4.2 Engine Oil Level Check

Go through the "General Description" section in Chapter 6 (page 7) to find out where to find out where you can find the oil dipstick, drain plug and oil fill.

- Take a clean cloth.
- Pull the dipstick out of the oil fill port.
- Often, the oil level cannot be read directly. Wipe the dipstick, dip it back into

the crankcase without screwing it* (* Honda GX 120 & GP 160 engines)

- By removing it, you will be able to read the exact oil level.

There is enough oil when it is located between the MAXI mark and the MINI marker.

If the oil level is too low, you can top up the oil via the filler cap. Use only the recommended oil. Don't pour too much oil at once and check the level regularly.

11.4.3 Cleaning the air filter

- Oil filter configurations may vary depending on the make and type of engine.
- The air filter is located under the black cover next to the gas tank on the engine.
- Unscrew this black cover.
- There are two types of filters: In addition to the classic foam pre-filter, there is a filter made of paper laminated and surrounded by a metal mesh, like that of a car.
- To clean a foam filter, simply rinse it with gasoline and then switch it to compressed air .
- To clean a paper filter, shake it and pass it with compressed air.

Once the cleaning is complete, reassemble everything in the exact reverse order of disassembly.

Attention: If for any reason your machine were to tip over, inspect the air filter as soon as possible. As the engine is not in its normal position, the oil from the crankcase may spill onto the air filter through the carburetor. A dirty filter slows down the passage of air. Dirty filters should be replaced immediately.

11.4.4 Depth control and adjustment

CORRECTED DEPTH ADJUSTMENT FOR OPTIMAL EFFICIENCY

Attention: Maintenance can only be carried out when the engine is off and the knives have come to a stop.

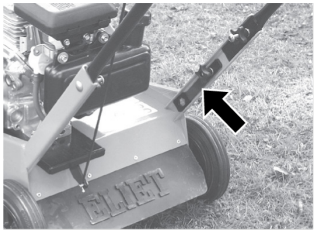
Attention: Put on gloves before making this adjustment.

Depth adjustment is done by positioning the front wheels (fine adjustment) and rear wheels (three positions) of the scarifier.

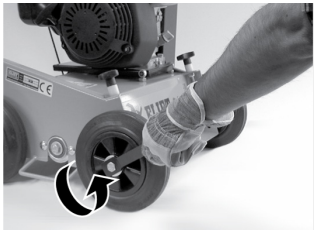
- Carefully place the machine on flat and hard ground.

Avoid damaging the knives.

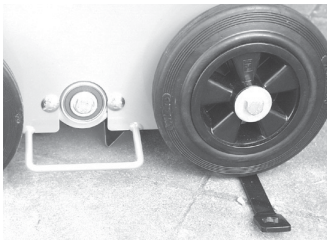
- Use the wrench located under the handlebars (on the right)



- Loosen the outer screws on the front wheels slightly.
- This is necessary to unlock the depth adjustment.



Place a flat object about 4 mm thick under the two front wheels. You can use the key that comes with the machine.



- Rotate the knives by hand vertically to bring the ends of the knives as close to the ground as possible.

If the knives touch the ground, you should raise them using the two height adjustment dials (left and right) by turning them counterclockwise until they no longer touch the ground. Always turn the two height adjustment knobs equally.

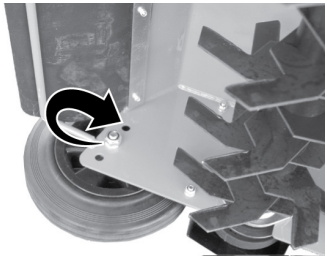


- Always turn the two height adjustment knobs Equally clockwise.
- If the knives don't touch the ground, the height adjustment is good.
- Check to see if the front of the scarifier is horizontal.

If not, you need to adjust the depth again.

- Carefully dispose of all objects that are under the two front wheels.
- Tighten the outer nuts on the left and right front wheels to lock the adjustment in depth.
- Rest the key under the handlebars (right).

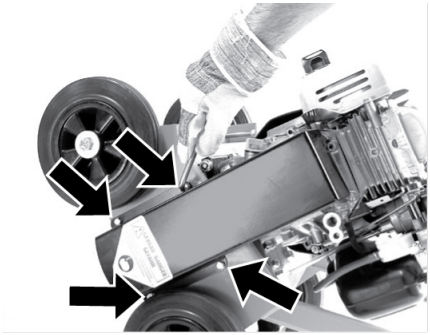
For your information: When the depth adjustment of the front wheels is at its minimum due to the natural wear of the knives, it is still possible to compensate by adjusting the depth of the rear wheels. Remove the two rear wheels using the provided wheel wrench and reassemble these wheels, but in the upper mounting holes. Now the knives are touching the ground again and the depth settings of the front wheels need to be fine-tuned again. The rear wheels cannot be adjusted twice per set of knives. When a new set of knives is fitted, the rear wheels must be reassembled in their original mounting holes.

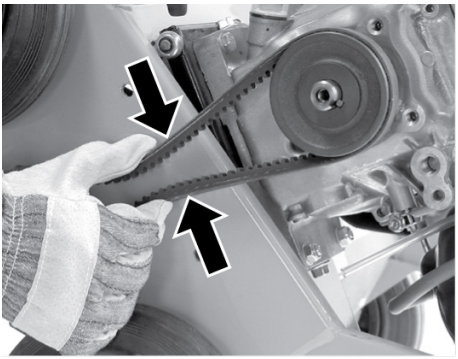


11.4.5 Belt tension control

Attention: The belt tension can only be controlled when the machine is stopped. The spark plug cap must also be disconnected. If it is an electric motor, the plug of the electrical cord must be removed from the outlet. To be able to check the belt tension, the scarifier must be tilted. To prevent the air filter from being polluted by oil stains, the air filter must first be removed, and then only tilt the scarifier. Do not tilt the scarifier longer than necessary and place it back horizontally as soon as possible. If engine oil flows back into the air filter housing when the machine is tilted, oil marks should be removed with a clean, dry, non-fluffing cloth. In this case, run the scarifier for a few minutes without an air filter. Don't forget to replace the air filter. Wearing gloves is mandatory!

- Tilt the machine by lowering the handlebars right down to the floor.
- Remove the screws and nuts from the belt guard. When you loosen the screws, you need to hold the nuts inside the chassis using a second wrench.
- Place the two inner parts of the belt against each other. If when the belt is disengaged, you can bring them up to 1 cm closer to each other, the tension of the belt will be sufficient to engage the knives without any problems. You do not have to adjust the belt tension. When replacing the belt guard, make sure that the pulleys do not touch the guard when the knives are engaged. The buttonholes in the housing offer a certain freedom of adjustment of the housing to avoid possible contact.
- If the user notices that the belt is too tight or not tight enough, adjust it. If the belt is too loose, it will rub against the guard (see § 11.5.5; page 39)
- A new belt always stretches naturally during its break-in period. You will therefore have to tighten it after the first 10 hours of service (see § 11.5.5, page 39).
- Place the scarifier back on its four wheels.





11.5 Maintenance after 20 hours of operation

11.5.1 Changing the engine oil



To do this, make sure the motor is resting on a flat surface and be off.

- On the right you find a bolt located in the crankcase at the bottom of the engine base. (See the engine manual).
- Take a container with a capacity of at least 1 litter and place it under the machine before unscrewing the drain plug.
- Allow the engine to drain completely (+/- 0.6 l).
- Screw the drain plug back on. Wipe off any traces of oil with a clean cloth.
- Fill the engine with cool 4-stroke oil. To do this, ELIET recommends a good oil quality detergent type 10W30 API SJ. About 0.6 l of this oil into the filling hole. Clean up if oil has been spilled on the sides. Before checking the level with the dipstick, let the engine sit until all the oil has settled to the bottom of the crankcase.
- Insert the dipstick into the filler port without screwing it in (Honda GX 120 & GP 160 engines). When you remove the dipstick, the oil should reach the maximum indication. If not, you need to top up the oil.



Attention: Any lack of oil irreparably damages the engine.



Attention: The operation described below may vary slightly depending on the engine version. As a precautionary measure, read the engine's operating instructions.

11.5.2 Checking and possible replacement of the spark plug

ELIET recommends using spark plugs of the following type:

Briggs & Stratton – 550 series	Champion RC 12 YC – B&S QC 92 YC
Honda GX 120	NGK BPR 6 ES
Honda GP 160	NGK BPR 6 ES

- Turn off the engine and disconnect the spark plug wire.
- Clean the area around it and remove it from the cylinder.
- Using thickness gauges, make sure that the gap
- between the electrodes is 0.8 mm.
- The spark plug should be replaced when it is strongly Fouled.

To check the quality of the ignition, follow these steps;

1. Reassemble the spark plug cap
2. Hold the rubber of the spark plug cap firmly and hold the spark plug against the engine ground.
3. Pull the pitcher's rope.
4. Examine whether the sparks are present between the two electrodes of the spark plug.
5. If they are clear and regularly sprout between the electrodes, it means that the spark plug is still in good condition.
6. If the sparks are weak, irregular, and only shoot intermittently between the electrodes, the spark plug should be replaced.



Attention: When replacing a spark plug, be sure to tighten it carefully so as not to damage the cylinder head thread. Tighten the spark plug to an adequate torque of 20 Nm.

11.5.3 Air Filter Replacement



- To do this, follow the same procedure as for cleaning the air filter (see § 11.4.3; page 32).
- You can get a new suitable air filter from your ELIET dealer or at an authorized service centre of the engine brand.

11.5.4 General lubrication

ELIET believes that it is important to use high-quality products, as they extend the life of machines that are, admittedly, sometimes called upon to work in extreme conditions. For this reason, special lubricants were used in the production. In addition, ELIET recommends regularly lubricating the following points;

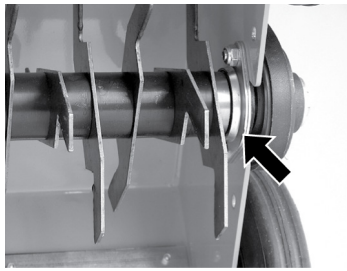
- Bearings
- Points of Articulation

1. **Lubrication of the bearings of the knife support shaft**

Attention: As with all other maintenance work, turn off the engine. Be sure to unplug the spark plug cap or electrical outlet. Gloves must be worn systematically.

It is imperative to regularly clean and lubricate ball bearings, which often operate in very dusty environments.

- Tilt the machine backwards by pushing the handlebars
- This allows you to easily access the blade holder.



Attention: Gas could leak out of the fuel cap when you tilt the machine.

Before lubricating the bearings, the old lubricant must first be dissolved and any dirt removed from the material. This is easy by spraying a degreaser on the bearings and in the bearing brackets. ELIET recommends NOVATIO KLEENSPRAY-S.

- Leave the product on for a few minutes so that it can also penetrate the Bearings.
- Spin the bearings, blow compressed air into the bearing brackets and remove all dirt. (If all the dirt has not been removed at once, repeat the process).
- Check that the bearing does not have too much play. Also check if he is not flu. In case of problems, consult your ELIET dealer for the replacement of this bearing in order to avoid any inconvenience later.
- Use a high-quality lubricant again. Spray NOVATIO NOVA PTFE OIL in the Bearing seals.

- Wipe off excess lubricant.
- Place the scarifier back on its four wheels.

2. Lubrication of the points of articulation

To prevent wear and tear on hinges and friction areas, you should add a little lubricant regularly.

The following locations are worth your attention:

- Engine cradle pivots.
- Clutch cable attachment points.
- Knife clutch handle pivots.

Here's how to do it :

- Spray the degreaser on the friction areas first. Let the liquid sit for a few minutes.

ELIET recommends NOVATIO KLEENSPRAY- S.

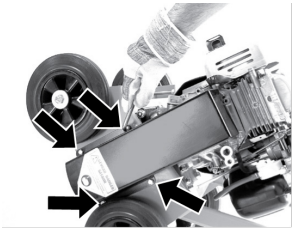
- Wipe off this lubricant and dirt with a cloth or paper towel.
- Once the friction areas have been cleaned, apply a new coat of lubricant to the contact surfaces. For this maintenance, choose NOVATIO PTFE OIL or SUNOCO MULTI-PURPOSE LR - EP2. All of the above lubricants are available from your ELIET dealer.

11.5.5 Adjusting the belt tension

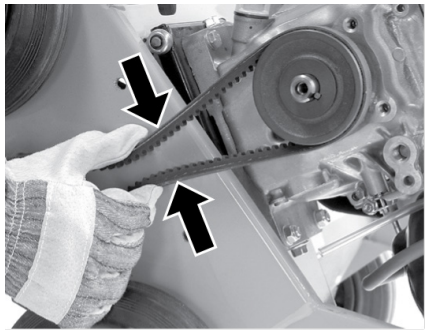
CORRECT TENSION + PERFECTALIGNMENT = A BELT THAT LASTS LONGER

Attention: For this operation, the motor must be stopped and the spark plug cap disconnected (or the electrical plug extracted from the socket). Gloves must be worn when contact with knives is possible.

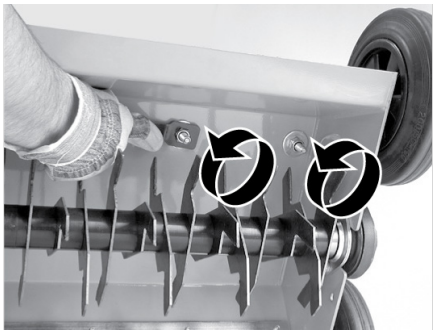
- Tilt the scarifier by lowering the handlebars to the ground.
- Remove the screws and nuts (M6) from the belt guard. When unscrewing the screws, the nuts should be held inside the chassis using a second box wrench (10 mm).
- Make sure the control handle is free.



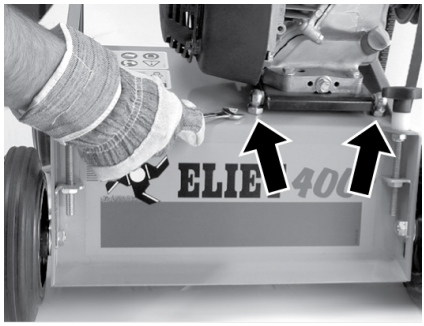
- Place the two inner parts of the belt against each other. If they are relaxed and can be moved within 1 cm of each other, this means that the belt tension is no longer sufficient in the tensioned position. You must then adjust the tension.



- Loosen the two engine cradle lock nuts (M10)



- Place the scarifier back on its four wheels.
- Tighten the two nuts (M10) located at the cradle of the motor evenly until you can bring the two parts of the belt together up to 1 cm apart in the taut position.
- Check the alignment of the two pulleys. The pulleys are aligned when a batten held against the pulleys touches the four points indicated (see image below).



- Optionally adjust the alignment using the nuts located under the engine cradle. The engine cradle must finally be located parallel to the chassis. Make sure that the belt tension is not out of alignment again.
- Tilt the scarifier by lowering the handlebars even to the ground.
- Tighten the two lock nuts (M10) located under the machine.
- Install the belt guard. When reinstalling the belt guard, make sure that the pulleys do not touch the guard when the knives are engaged. The buttonholes in the housing offer a certain ease of adjustment to avoid possible contact.
- Place the scarifier back on its four wheels.



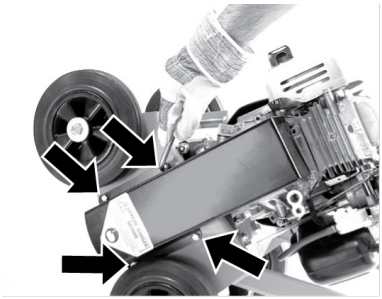
11.5.6 Replacing knives

Attention: Wearing gloves is mandatory!

- The knives are self-sharpening and therefore do not need to be sharpened with a during their use.
- Replacing knives is necessary when they are totally worn out.
- Intermediate replacement of one or more knives is strongly discouraged as this would prevent the machine from operating evenly across its entire width. To replace knives, there are two steps:
- Removing the knife holder.
- Removal of worn knives and installation of new knives.
- Knife holder rest.
- Execution of controls and finishing.

A. Removing the knife holder;

- Tilt the scarifier by lowering the handlebars to the ground. You can thus Easily access the knife holder.
- Remove the transmission protection cover by strap.
- Completely unscrew the four mounting bolts (M6). Use a second box wrench (10) to hold the lock nuts inside the chassis.
- Remove the belt from the pulleys. This is only possible when the knives are disengaged.
- With a 17mm box wrench, unscrew the centre bolt from the shaft (M10). Pull the pulley out of the end of the shaft. Now put the key down so that you don't lose it.



- Lift the shaft support knives.
- Remove the bolts (M8) with which the two bearing supports are attached. Use a 13 mm box wrench for this.
- Remove the holder of the knives.

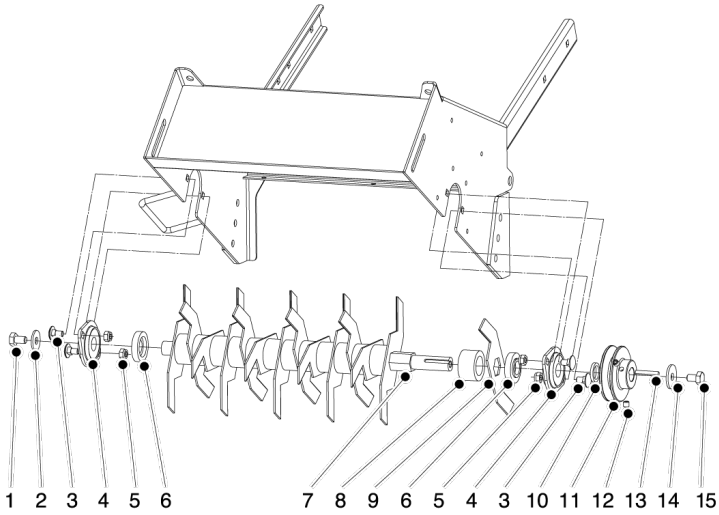


For your information: You can find all genuine parts at your dealership.

B. Removal of worn knives and installation of new knives;

The knives are inserted on a hexagonal shaft. To replace these, simply remove the bearing on the side of the pulley.

Before removing the bearing from the shaft, the end of the shaft should be polished with a little sand-paper so that no deburrs, dirt, etc. prevent the bearing from sliding well.

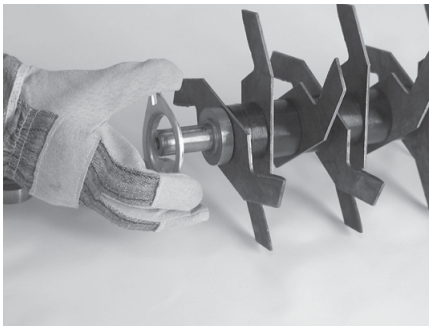


Pay attention to the order in which the blade support is assembled:

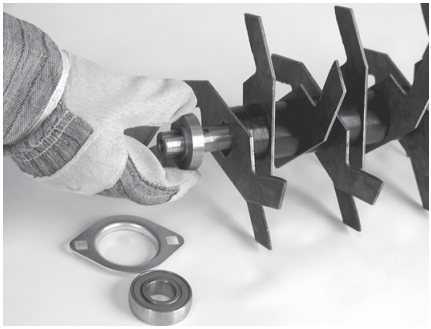
- Remove the first bearing.



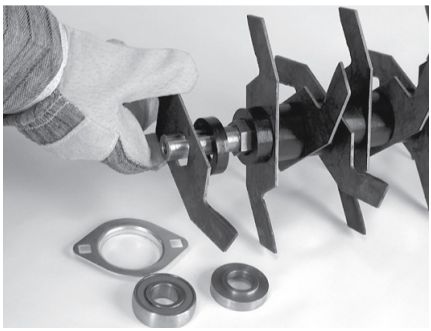
- Then remove the bearing bracket.



- Remove the steel intermediate ring from the axle. When doing this, pay attention to how the axle is inserted.



- Now drop off all the remaining items one by one outside the axle.



- Clean the nylon spacer sleeves that are going to be placed with the new knives on the axle.

If you notice that the shaft shows serious signs of wear in the places where the knives are placed, you must also replace the shaft.

- Also clean the bare tree thoroughly. If necessary, use a little sandpaper.
- Make sure that both bearings do not have any play. By rotating the bearings, you will quickly notice if they make a slight noise. If so, replace them with the knives.
- Slide the new knives in the correct order on their holder.
- Make sure that the cutting edge of the knives is facing the correct direction (depending on the direction of the rotation).
- Two knives in a row always have a 60° offset from each other.

C. Installation of the blade support;

- When the blade holder has been reassembled, it can be placed back in the chassis. The supports of bearing must be fitted to the inside of the chassis.
- The two bolts of each bearing bracket are temporarily installed without being tightened definitively.
- Rest the transmission pulley on the shaft. Don't forget the ring and always put the key back in the tree. Make sure the pulley hub is always on the side of the shaft end.
- With the M10 centre bolt, screw the pulley. At the same time, you will hold the axle in its together.
- Now rotate the blade holder. If the shaft continues to rotate without stopping immediately, you can screw the bearing brackets firmly. If not, first strike the end of the shaft with a rubber hammer axially, rotating the shaft. When the shaft finally rotates freely, you can tighten the bearing supports.
- Finally, lay the belt on the pulleys.

D. Execution of controls and finishing;

- Check the depth setting and set it correctly (see § 11.4.4; page 33). Remember that the rear wheels should be mounted in the middle mounting hole. The wheels will be mounted in the highest holes to allow the knives to be worn evenly to the end.
- Check the belt tension and adjust it correctly (see § 11.5.5; page 39)
- Replace the belt guard again.
- Place the scarifier back on its four wheels.

12. Machine storage



Clean the machine (see § 9.7.1; page 27).

Before storing the machine for a more or less long period, proceed as follows.

- Conduct a great maintenance (see § 11.5; page 36).
- Check all screws and nuts and tighten them as necessary. To check the tightness of most bolts, always take two 10, 13 and 17mm open-end wrenches.
- Empty the gas tank. You can do this simply by running the machine until it runs out of fuel. We suggest that you use a siphon pump to transfer the petrol to a can (see § 9.2; page 21).
- Disassemble the spark plug (see § 11.5.2; page 37). Spray a little penetrating oil containing molybdenum disulfide (MoS2) through the spark plug hole in the combustion chamber. Pull the starter handle until the piston is in the up position. Then replace the spark plug.
- Touch up or grease the areas where the paint has disappeared, to prevent rusting. You can obtain the original paint in the same colour from your ELIET dealer.
- Store the machine in a dry place, away from direct humidity, and cover it with a tarpaulin if necessary.
- Always give the motor time to cool down before storing the machine.
- If the machine is stored outside, it must be well protected by a tarpaulin. Avoid direct showers on the machine. In any case, ELIET strongly recommends storing the machine in a protected place.

13. Technical sheet



Handlebar	Foldable
Working width	40 cm
Clutch	by vertical belt tension
Depth adjustment	Infinitely variable adjustment (forward), 3-position (rear)
Total weight	40 kg
Wheels	Plastic on roller Bearing (Ecoliner Models)
	Aluminium wheels on ball bearings (other models)
Wheel diameter	external 200 mm
Fixed knives	14 pieces - 3 mm thick
Mobile knives	26 pieces - 2.5 mm thick
Double Cut Knives	24 pieces - 1.5 mm thick
Fixed Knives (Ecoliner models)	24 pieces - 1.5 mm thick
Chassis	Hardened metal reinforced steel - thicknesses 2 & 3 mm

14. CE Certificate of Conformity - E401 Scarifier

Machine : Scarifier

Type : ELIET E401

Model numbers:

MA 007 040 902 – E 401 ECOLINER Elec.
MA 007 040 121 – E 401 ECOLINER B&S 550
MA 007 010 230 – E 401 STD CF HONDA GP 160
MA 007 020 230 – E 401 STD CM HONDA GP 160
MA 007 030 230 – E 401 STD DC HONDA GP 160
MA 007 010 203 – E 401 PRO CF HONDA GX 120
MA 007 020 203 – E 401 PRO CM HONDA GX 120
MA 007 030 203 – E 401 PRO DC HONDA GX 120

These machines have been designed and built in accordance with the provisions of the following standards:

EN 13684: Garden equipment - Pedestrian controlled lawn aerators and scarifiers - Safety

The machine manufacturer ELIET states that it has carried out a risk analysis, attesting to knowledge of the risks and dangers of the machine. In this conception, the necessary measures have been taken in accordance with Directive 2006/42/EC in order to ensure - in the context of proper use - the complete safety of the user.

To determine the weighted and guaranteed sound level in accordance with the provisions of Directive 2000/14/EC annex III/B 49, the measurement instructions of EN 13 684 were applied.

Measured sound level: 94 dB(A) Guaranteed sound level: 95 dB(A)



Date: 11/2025 Signature:

Frederic LIETAER
Managing Director of ELIET EUROPE SA
Date of birth: 02/01/1975

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15. Warranty conditions

Dear Customer,

Thank you for trusting ELIET products. We are confident that you have purchased the machine that best suits your needs. As a manufacturer, ELIET is concerned about ensuring the proper functioning of its machines.

What is the warranty?

At ELIET, the machines are designed and manufactured according to a quality-controlled procedure with the aim of ensuring a long service life and a permanent level of safety. If a hidden defect or abnormal failure occurs during this warranty period (the warranty period), ELIET undertakes, provided that the prescribed procedure is followed, to have the necessary repairs carried out in order to guarantee this quality objective

Warranty Conditions

For the conditions described below, ELIET, in its capacity as manufacturer, grants an obligation to intervene under warranty for new machines:

A. Warranty period

The warranty period begins upon delivery by the dealer to the dealer (invoice date) and expires:

- after 2 years in case of private use.
- after one year or 100 hours of operation* in the case of rental use.
- after one year or 100 hours of operation* in case of semi-professional or professional use.

Customers wishing to benefit from this warranty must register the purchased product with ELIET. To do so, they are asked to register their online purchase on www.eliet.eu

* the first term reached

B. When does the warranty not apply?

- Wear parts are not covered by the warranty conditions: (e.g. knives, bearings, belts, chains, sprockets, tyres, tell-tales, fuses, etc.).
- When it appears that the failure is the result of mishandling, careless use, negligence or damage resulting from external factors (fall, rock impact, foreign objects, accident).
- When it appears that the breakdown is the result of failure to perform the prescribed maintenance or periodic cleaning.
- When the failure is the result of use not in accordance with the instructions given in the user guide.
- When a breakdown has occurred after a repair has been carried out by a non-authorised ELIET dealer or with non-original ELIET parts.
- When the failure is the result of an unauthorized modification of the original construction of the machine.

- When the prescribed warranty intervention procedure has not been followed or when the warranty period has expired.

- For any engine problem, contact a service center of the engine brand approved by the machine manufacturer.

C. Procedure:

Step 1: The customer is obliged to keep the purchase invoice until the warranty expires. The customer is required to register his purchase on www.eliet.eu the day he acquires the machine.

Step 2: When a breakdown occurs, the customer must have it checked by his ELIET authorized distributor. If the latter considers that it is a manufacturing defect, he can invoke the warranty under the specified conditions.

Step 3: Any warranty claim will be accompanied by a duly completed official claim form. Distributors can obtain these forms from ELIET or an ELIET importer/agent.

Step 4: The distributor orders the spare parts necessary to carry out the repair. The distributor then forwards the purchase order with the completed warranty form.

Step 5: The warranty form must be attached to the purchase invoice and sent to ELIET or the ELIET importer/agent.

Step 6: ELIET will ship the ordered parts to the distributor under normal delivery and payment conditions.

Step 7: ELIET's after-sales service will examine the defective component before accepting or rejecting any warranty service request. ELIET reserves the right to decide whether the customer has complied with the conditions governing the validity of this one- or two-year warranty period. Defective components will become the property of ELIET.

Step 8: If the warranty intervention request is deemed to be justified, ELIET will credit the parts delivered under warranty. The hand work is never refund.

D. In case of damage during transport

- All goods are deemed to be sold ex works. The risks associated with transport are entirely borne by the customer.

- ELIET therefore strongly advises the customer to examine the goods at the time of receipt

- Damage must be reported on the delivery note before signing it. Make sure that the carrier signs this mention of possible damage on your copy.

- The insurance company will not be liable without such written statement signed on the delivery note.

- Damages may be sought from the carrier based on a copy of the delivery note and a cover letter detailing your claim.

- The machine must be kept in its original condition until it is examined by the carrier's insurer.

16. Risk analysis

Below is a list of hazards and risks associated with storing, transporting or operating the scarifier. Take note of these hazards and avoid them by following the instructions in this manual. Be aware that not only the user is at risk, but that third parties may also be at risk. Be sure to keep third parties away.

- Injury to hands from passing through the drain port and past the spray deflector when the machine is in operation.
- Injury due to stones being thrown through the drain hole when lifting the splash protection deflector.
- Risk of serious injury or death due to the detachment of a machine part (knife, bolts, etc.) as a result of a lack of inspection and maintenance, or after incorrect intervention.
- Risk of injury following projection through the exhaust port or under the frame after the projection of a foreign object (stone, metal, textile, plastic, etc.).
- Injury by throwing gravel, stones or foreign objects from the front of the machine during use.
- Injury or cut as a result of the opening of the drain port (splash deflector) while the knife shaft has not yet come to rest.
- Injury or cut to the hands as a result of dismantling the knife support shaft.
- Injury or cut to the hands as a result of a fall from a dismantled knife support shaft.
- Injury due to machine tipping over during careless transport.
- Fire hazard due to grasses, felt, or other accumulated residue that clogs the engine cooling fins.
- Irritation of the respiratory tract or lung problems due to inhalation of the dust released.
- Hearing impairment caused by insufficient ear protection during work.
- Nervous system disorders or rheumatic diseases following a long scarification session without taking sufficient breaks.
- Joint pain resulting from vibration caused by continuous use in the presence of abnormal and excessive vibration.
- Injury due to contact with the blades during cleaning, unblocking, or maintenance
- Injury due to a fall while transporting on a floor that cannot support the weight of the person and the machine.

This list is not exhaustive and is provided for information purposes only, for the benefit of the user's safety.

Notes

BZ 201 450 003