

## Lawn Aerator

 **TRACMASTER**  
*The landscape machinery specialists*

**AUTHORISED  
DEALER**



The CAMON LA25 Lawn Aerator has been designed by Tracmaster for aerating lawns and grass areas.

The benefit of aerating a lawn is that it allows air, water and nutrients to reach the roots of the grass, relieves soil compaction and removes unwanted thatch and foreign material.

The tines of the CAMON LA25 Lawn Aerator are designed to be used only on grassed areas where the surface soil is more than 10cm in depth.

Before using the lawn aerator, the depth of the soil must be tested. This can be done simply with a garden fork.

DO NOT use the Lawn Aerator for any alternative use other than aerating grass areas.

Using the machine on non-grass surfaces such as concrete or tarmac will damage the machine.

After aerating DO NOT expose the lawn to high temperatures or drought.

Irrigate the lawn if necessary to ensure that the grass can recover from its treatment.

## Operating Lever

The lawn aerator tines are engaged by using the lever located underneath the top of the handlebar.

This is a two-stage process.

1. The grey button must be pressed first.
2. Then the main lever can be pulled up

Once the drive has been engaged it will transfer the engine power through a gearbox, to the tine rods that will rotate. The surface penetrating tines are held at the end of each tine rod and will be pushed into the ground before being withdrawn as the tine rods rotate.

## Height Adjustment

The depth of the tine penetration of the lawn aerator is altered by changing the position of the back axles. Each back axle has three holes by which it can be attached to the main chassis frame.

Attaching the axles using the lowest position holes has the effect of moving the tines closer to the ground and increasing the depth the aerator will penetrate.

The two alternative positioning holes raise the height of the tines away from the ground and decrease the depth the tines will penetrate. Moving from the lowest hole to the middle hole and to the highest will decrease the depth of the tines by 10mm each step.

## Tines

Four tines of a similar type must be always fitted. Each tine must be threaded and secured tightly into the tine holder rods. Each tine must be fitted with a washer and spring washer to ensure the tine can be tightened sufficiently into the tine rod. A 17mm spanner must be used to tighten the tines in place.

## Solid Spiking Tines and Hollow Coring Tines

The lawn aerator is supplied with both solid spike and hollow corer tines. You must always use a consistent tine type when setting up and operating the aerator.

- Solid tines help nutrients to reach soil roots and improve drainage.
- Hollow tines, in addition to the benefits listed for solid tines, reduce surface compaction by removing a section of the soil each time a tine is punched into the soil.

## PPE

We recommend the following PPE when using the lawn aerator.

1. Ear Defenders
2. Gloves
3. Protective Footwear
4. Safety Glasses

## General Safety Instructions

1. Visually check the machine for operational safety, complete components, and fixed guarding prior to each use.
2. Read and be aware of the warning and instruction signs located on the machinery.
3. Cordon off the work area to access from the public.
4. Before starting work clear the area of any objects that may cause damage to the machine.
5. Do not operate the machine if you are under the influence of alcohol or drugs. This equipment must only be operated by persons who are medically fit both physically and mentally.
6. Only work in good light and visibility.
7. Wear the correct personal protection equipment as instructed by this manual.
8. Operator clothing should not be loose, and footwear should offer good grip.
9. Know how to stop the machine in an emergency.

## Engine Specific Safety Instructions

- Always ensure the engine is turned off and fuel tap is turned off when transporting the machinery, cleaning the machine, and making adjustments.
- Always start the engine in the open air. Starting an engine within a confined space can lead to the inhalation of toxic substances.
- Do not smoke or use a naked flame when refuelling.
- Use only unleaded petrol from fuel containers designed for this purpose. Refuel outdoors only and replace the fuel tank cap securely.
- Do not mix oil with the fuel.
- Leave one inch of space in the fuel tank during refilling.
- Clear up any petrol spillages immediately.
- Avoid contact with the engine during operation as it will become hot. Leave the engine to cool prior to contact.
- Never interfere with the control settings of the engine.
- Pull the engine recoil handle slowly until it engages then pull hard and fast to start the engine.
- After the start, guide the cord back into its position. Do not let it snap back.
- Once the engine has started, if the choke lever has been used, return this to its OFF position after the engine has run for a few seconds.

## To Stop the Engine

1. Release the operating lever.
2. Switch the engine ON/OFF switch to the "O" OFF position.
3. Turn the fuel tap lever to the OFF position.
4. Ensure the tines have stopped prior to moving the machine.

**WARNING: THE EXHAUST COVER MAY BE HOT – DO NOT TOUCH.**

## Using a Lawn Aerator

- Before using this machine, the grass must be cut short and be cleared of any objects such as stones or sticks that would damage the Aerator.

### WARNING:

Using a lawn aerator on long grass will damage the machine. We recommend cutting the grass before using this lawn aerator.

- Do not operate the Aerator on wet lawns or in wet weather.
- Hollow tines should only be used on moist ground conditions.
- Hardcore or rubble located under the surface of the turf will cause damage to the machine.
- Use a garden fork to test the depth of the turf. The fork must enter the ground up to 100mm in depth to avoid damage to the tines or corers.
- When safety checks have been completed, start the engine following the correct procedure.
- Position the throttle lever in its midway position.
- Lift the operating lever to engage the drive and start the tines rotating in their lifted position.
- Using the central tine control lever, lower the tine lifting board, allowing the rotating tine rods.
- to fall to a vertical position where the tines will be penetrating the ground.
- As the tines begin to penetrate the ground, they will start to also propel the machine forwards.
- Applying a small pulling pressure on the handle will ensure that the tines and the tine rods stay in a vertical position. The tines must be vertical for maximum aerating depths and the most efficient propulsion.
- Do not use the lawn aerator on slopes of more than 20 degrees. Always work across the slope, not up and down it.

## Procedure for Unexpected Shut Down

1. Release the operating lever.
2. Turn the engine operating switch located on the handlebars to the OFF position.
3. Ensure the tines have stopped prior to moving the machine.

## Please Note

The lawn aerator is designed to be pushed by the operator during transportation and whilst it propels itself during operation it does not have a driven axle. It has no brake system and therefore the operator must hold firmly onto the machine at all times when the machine is on sloped areas.