

User Manual

MVT-390

Weed clearing machine



Manufactured by
Greijmans Groep BVBA
Siberiëstraat 47
3900 Overpelt - Belgium
www.greijmansgroep.be

Kersten
SITE MAINTENANCE EQUIPMENT

Distributed in UK by
Kersten (UK) Ltd Tel. 0118 986 9253
Progrees House
39 Boulton Road Reading, RG2 0NH
www.kerstenuk.com - info@kerstenuk.com

EC – Declaration of Conformity
in accordance with **Appendix II.1.A of Machinery Directive 2006/42/EC**

Greijmans Groep bvba
Siberiëstraat 47
3900 Overpelt
Belgium

We, Greijmans Groep bvba, hereby declare that the machine described as follows:

Purpose:	Weed clearing machine
Model / Type:	MVT-390
Serial number:	16....

complies with all relevant requirements in Machinery Directive 2006/42/EG, in its latest version.

We also declare that the above mentioned machine complies with all relevant requirements in the following EC directives:

- **EMC Directive 2004/108/EG, in its latest version;**
- **The 2000/14/EG Outdoor Noise Directive, in its latest version;**

The following harmonised standards were applied:

- **EN ISO 12100:2010:** Safety of Machines – General design principles – Risk assessment and risk reduction

Authorised designer of the technical dossier:

Greijmans Groep bvba
Siberiëstraat 47
3900 Overpelt
Belgium

Person authorised to issue the declaration on behalf of the manufacturer:

Name: Mr. H. Greijmans
Position: Manager
Signature

Location: Overpelt - Belgium
Date:

CONTENTS

Safety
Assembly
Operating feature functions.
Operation.
Maintenance

Maintenance and adjustment
Troubleshooting.
Spare parts.
Storage
Specifications.

-----INTRODUCTION-----

MANUAL

Read the entire manual in detail before using the machine to gain an insight into the safety and operating instructions relating to its normal use and maintenance.

All references to the left, right, front and rear are provided from the point of view of the user facing forward during operation.

MODEL AND SERIAL NUMBERS

Always ensure that you have the model and serial number of the machine to hand when ordering spares or submitting maintenance related queries.

The numbers can be found on the CE identification plate at the rear of the machine.



Make a note of the model and serial number here.

PRODUCT REGISTRATION

Any claims within the guarantee period that meet the appropriate conditions shall be honoured. Proof of purchase acts as proof of guarantee.

NON APPROVED SPARE PARTS

Only use original spare parts.

The use of spares in this machine that are not approved by Greijmans Groep bvba may have an adverse effect on the performance, durability and safety of the machine and may invalidate the guarantee.

Greijmans Groep bvba shall not be liable for any claims or damage incurred pertaining to the guarantee, damage to property, injury or death as a result of the use of non approved spare parts.

DELIVERY

Note to the customer: If you have purchased this product without instructions from the seller and/or the item is not fully assembled, you shall be expected to

- read and understand all the assembly instructions in this manual. If you do not understand all or some of the instructions please contact your dealer.



WARNING: Incorrect assembly and/or adjustment can result in serious injury.

- Only start using the machine when all operating features are operating as described in this manual.

BEFORE USING THE MACHINE:

- 1 Ensure that the machine has been fully and correctly assembled.
- 2 Ensure that you are familiar with all safety instructions in this manual.
- 3 Read the details on the operating features and use of the machine.
- 4 Read the section detailing recommended lubrication, maintenance and adjustment.
- 5 Read the applicable guarantee conditions.

WAIVER OF LIABILITY

Greijmans Groep reserves the right to cease or modify the manufacture of products at any time and the right to modify or improve the product without a need for public notification or other obligations.

The descriptions and specifications in this manual apply at the time of it going to press. Equipment described in this manual may be optional. Some illustrations may not apply to your type of machine.

SAFETY

WARNING SYMBOLS



Always take note of the following symbols as they indicate important safety instructions. They signify:



ATTENTION!
THINK OF YOUR SAFETY! STAY ALERT!

COMPLY WITH THE INSTRUCTIONS

The above warning symbols and the following key words are used on safety labels and in this manual. Study any safety information and ensure that you understand it.



HAZARD: DEFINITE HAZARDOUS SITUATION! WILL CERTAINLY result in serious or fatal injury – must be prevented.



WARNING: POTENTIALLY HAZARDOUS SITUATION! COULD RESULT in serious or fatal injury – must be prevented.



BE VIGILANT: POTENTIALLY HAZARDOUS SITUATION! COULD RESULT in minor or moderate injury if not prevented. This may also be used to highlight unsafe operations.

KEYS

N.B.: General information and references for correct use and maintenance.

IMPORTANT: Specific procedures and/or information that are essential in order to prevent damage to the machine or attachment.

USE AND INSTRUCTIONS

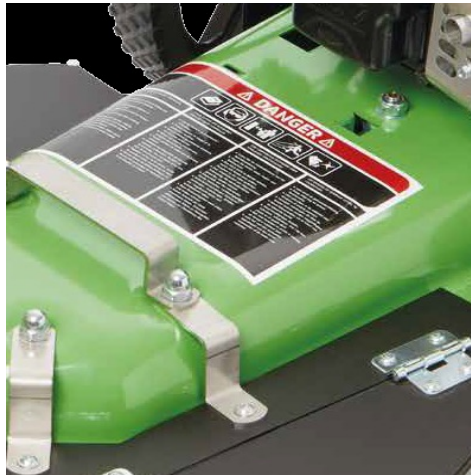
Comply with the applicable standard preventive measures concerning operating safety, in your own and other people's interest. Ensure that you understand and observe any safety related information. Be vigilant with respect to unsafe conditions and the possibility of minor, moderate or serious injuries or fatal consequences. Familiarise yourself with local regulations and legislation.

MANDATORY USER TRAINING

If the machine is to be used by someone other than the original purchaser (i.e. is loaned, rented or sold), you must ALWAYS provide this manual and any necessary safety training before the machine is used.

SAFETY LABELS/LOCATION

ALWAYS replace missing or damaged safety labels. Check the illustration below for the location of the safety labels.



- Keep safety features (hoods, screens, switches, etc.) in place and in good working order.
- Look down and behind you before and whilst reversing.
- Do not allow dirt to build up. It can cause fire or overheat the engine.

SAFETY INSTRUCTIONS

If the machine is to be used by someone other than the original purchaser (i.e. is loaned, rented or sold), you must ALWAYS provide this manual and any necessary safety training before the machine is used.

HAZARD – TO PREVENT SERIOUS OR FATAL INJURY



Read the operating instructions.



Always wear safety goggles with side shields or a full face mask.



Do not use the equipment in the vicinity of children or other bystanders.



Remove objects that might be flung out by the weed clearing machine.



Keep body parts well clear when the weed clearing machine is in operation.

Ensure that you have read, understood and observed all safety related instructions in the manual before commencing assembly. Non compliance with instructions may result in physical injury and/or machine damage. ALWAYS disconnect the spark plug lead before starting the assembly. Accidentally starting the engine could result in serious or fatal injury.

Walk around the machine and across the work area to familiarise yourself with:

- the work area,
- your machine,
- all safety labels.

Remove stones, sticks, wire and other objects that might be picked up and/or flung out, from the work area. Tall weeds may contain hidden obstacles. Familiarise yourself with the work area and remain alert to holes, stones, rough terrain and other hidden hazards.

Keep away from steep inclines, ditches and banks where the operator might lose his balance or lose control of the machine. ALWAYS be aware of the traffic when working alongside the road or pavement.

Ensure that no adults, children or pets are present in the work area. Keep children away from the work area and ensure that they are supervised by a responsible adult.

ONLY use the machine when visibility and light are satisfactory.

ALWAYS ensure that there is no danger of slipping. Always keep hold of the control handle.

Maintain a steady pace, NEVER run.

The brush should stop when the operator lets go of the control handle. Regularly check this safety feature. If this feature doesn't work, disconnect the spark plug lead and adjust the machine, or have it repaired, before using it again.

The machine must only be operated by appropriately trained adults. Actual use of the machine must be part of this training. Never use the machine after or during the consumption of medication, drugs or alcohol. The machine requires your full and undivided attention.

NEVER allow children to operate the machine.

ALWAYS keep hands and feet away from rotating parts, as they could sever body parts.

ALWAYS keep hands away from areas where they could be trapped.

Engine exhaust gases could result in serious or fatal injuries. NEVER allow the engine to run in an enclosed space.

ALWAYS protect the eyes, face and body with appropriate safety equipment and clothing. Wear sturdy footwear, gloves and safety goggles with side shields when using the brush unit. NEVER use it barefoot or whilst wearing open sandals or canvas shoes.

NEVER wear loose clothing, jewellery or have long hair that might become entangled in moving parts.

Protect the eyes, face and head from objects that might be flung out of the machine.

NEVER stand in front of the discharge outlet whilst using the machine.

NEVER direct the discharge outlet towards bystanders.

The operator is responsible for the safety of bystanders.

DO NOT touch components that have become hot. Wait until they have cooled down. Ensure that safety features or hoods are in place and operating correctly. NEVER modify or remove safety features.

Make sure that you have read and understood all instructions in the manual and comply with them when starting the machine. Familiarise yourself with the use of all control features.

- the operation of all control elements,
- how to STOP in the event of an emergency.

NEVER attempt to start the engine before you have familiarised yourself with the control features and their operation.

DO NOT tilt the machine when starting. Keep your feet at a safe distance when starting the engine.

ONLY use the machine when the protective hood has been installed. Objects may be flung out, which could result in damage or injury.

Only use replacement brushes recommended by the manufacturer.

Ensure that the brush head is ALWAYS in contact with the ground surface when in use.

Implement any necessary preventive measures when leaving the machine unsupervised. ALWAYS switch off the engine and disconnect the spark plug lead to prevent accidental starting or unauthorised use. Switch off the engine as soon as someone enters the work area.

NEVER attempt to adjust the machine whilst the engine is in operation (except when specifically instructed to do so). Switch off the engine, disconnect the spark plug lead and wait until all moving parts are motionless before cleaning or maintaining the machine.

If you touch an object or the equipment is subject to abnormal vibration, switch off the machine immediately, wait until all moving parts are motionless and disconnect the spark plug lead. If necessary carry out repairs before restarting the machine. ALWAYS switch off the engine, allow the brush head to come to a standstill and disconnect the spark plug lead before removing blockages or cleaning the machine.

DO NOT transport the machine whilst the engine is in operation.

To minimise the risk of fire and/or overheating keep the machine free from grass, leaves, dirt and excess lubricant.

Be particularly vigilant when approaching blind angles, shrubs, trees or other objects that might impair visibility.

DO NOT use the machine at excessive speed. DO NOT change the regulator settings on the engine and do not overload it.

Do not use the machine on gravel or loose material such as sand. Switch off the machine when crossing driveways, paths or roads to prevent damage or injury from material that may be flung out. DO NOT pull the machine backwards unless absolutely necessary. Look down and behind you before and during reversing. Be particularly careful if children are in the vicinity.

DO NOT operate on steep inclines.

NEVER leave the machine unsupervised whilst on a slope. Chock the wheels if you decide to park the machine on a slope.

Work across rather than up and down on a slope. Be particularly vigilant when changing direction on a slope.

This unit is equipped with an internal combustion engine. DO NOT use the machine on, or in the vicinity of, rough or wooded terrain or shrub land, unless the exhaust system is equipped with a spark arrestor which complies with local and national

regulations. When a spark arrestor has been fitted the operator must ensure that it is kept in good working order at all times. Consult your dealer or a service centre authorised by the engine manufacturer.

Fuel is highly flammable and vapours can explode. ONLY use approved fuel containers.

- DO NOT smoke!
- NO sparks!
- NO open fire!
- Allow the engine to cool down before refilling the fuel tank.

Never refill containers in a vehicle, truck or trailer with synthetic upholstery. Always place containers on the floor away from your vehicle when refilling. Where possible remove petrol driven equipment from the truck or trailer and refill it on the floor. If this is not possible, this type of equipment must be refilled on the truck/trailer using a portable container rather than directly from a pump.

Keep the nozzle against the edge of the fuel tank or container until you have completed the refill. Do not use any tools to keep the nozzle open.

Check the fuel supply before starting the engine.

DO NOT refill the fuel tank in an enclosed space whilst the engine is running or hot.

Allow the engine to cool down for a few minutes before removing the fuel cap. DO NOT add too much fuel. Leave a space of approximately 6 mm at the top of the tank to allow for fuel expansion.

Replace and secure the fuel cap and clean off any spilt fuel before starting the engine.

Get changed immediately if you have spilt fuel on your clothing.

NEVER store fuel in an area where there is an open flame, e.g. a pilot light on a boiler.

ALWAYS siphon off fuel outdoors at a safe distance from ignition sources. Avoid electrical sparks. DO NOT disconnect the spark plug lead when the engine is running.

Accidentally starting the engine could result in serious or fatal injuries. Unless specifically stated otherwise, ALWAYS switch off the engine, wait until moving parts are motionless and components have cooled down, and disconnect the spark plug lead before checking, maintaining, adjusting or repairing the machine.

Remove grass, leaves and other residue from the machine.

Keep the machine in good working order.

Where necessary clean and/or replace safety and instruction labels.

Observe the manufacturer's safety instructions for the engine during maintenance operations.

Regularly check all fixings, particularly the fixing bolts on the brush head. Ensure that all fixings are secure.

Remove the fuel before tilting the machine. DO NOT tilt the machine if it is not specifically indicated that you should do so.



WARNING: PREVENT INJURY. Read the chapter on Safety in detail and make sure you are familiar with it before proceeding.

USEFUL TOOLS

- Knife to cut open box.
- Ensure that the machine remains securely supported by all wheel chocks, jack supports and cabling during maintenance. Replace a worn exhaust immediately. Continued use could result in fire and/or explosion. Sharp edges can injure or sever hands or fingers. Wrap something around the brushes or wear sturdy gloves when carrying out maintenance.
- Only use spare parts specifically designed for your machine. Consult your dealer for advice.
- Allow the engine to cool down before storing the machine in an enclosed area.
- ALWAYS clean the machine before storing it for any length of time. Consult the engine manual for storage instructions.
- DO NOT store the machine in a building containing ignition sources if there is still fuel in the tank.
- Only use accessories that are approved by the Greijmans Groep and are correctly installed.
- Regularly inspect auxiliary parts and replace worn or damaged components with spares recommended by the manufacturer.

REMOVING THE MACHINE FROM THE BOX

1. Cut off the top of the box.
2. Remove the packaging.
3. Remove the information pack, safety goggles and special tool provided from the box.
4. Cut away the back of the box and remove the machine from the box.
5. Remove the protective packaging from the machine.

ASSEMBLY



- | |
|--|
| <ol style="list-style-type: none">1. Lower steering column2. Upper steering column3. Positioning bolt4. Star knobs5. Dead man's handle |
|--|

Steering column

1. Rotate the star knobs on the steering column to unlock them. Do not remove them.
2. Pull out the positioning bolt.
3. Fold the steering column into operating position.

N.B.: Use the positioning bolt to adjust the steering column to a comfortable height for the operator. Ensure that the cable cannot be trapped anywhere. Refer to *Steering columns in Maintenance and Adjustment*.

4. Tighten the star knobs for the steering column to lock the upper steering column.

Engine crankcase oil

Fill the engine crankcase with sufficient oil of the correct viscosity (this will be full if you have recently purchased the machine). Refer to the engine manual for specific information.

CHECKLIST

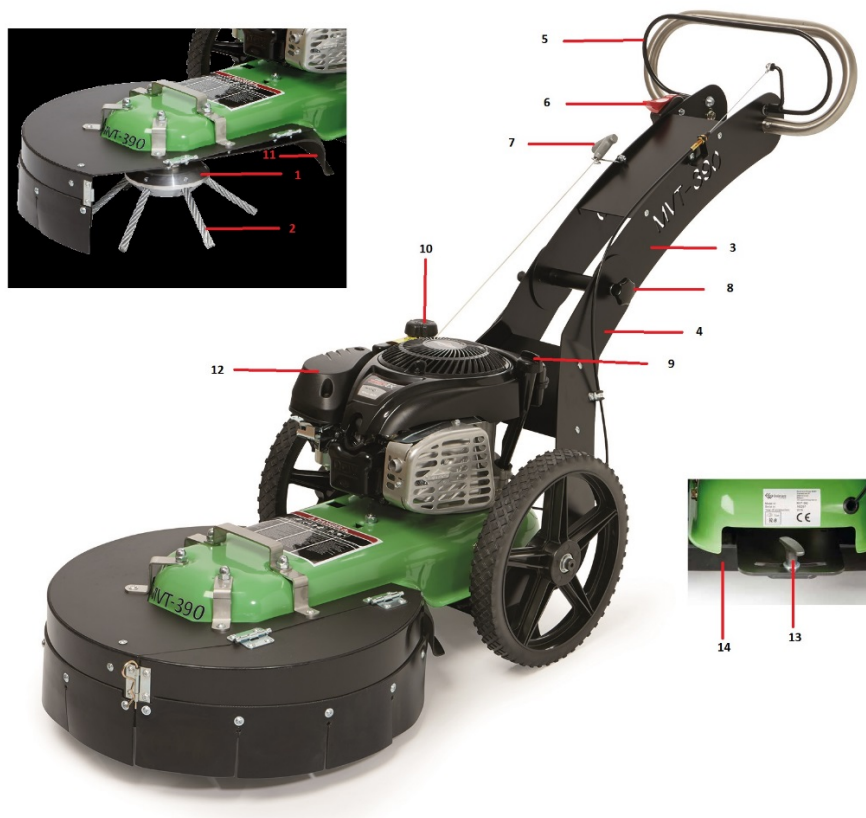
Run through the following checklist before proceeding.

- Check that all assembly instructions have been complied with.
- Check that no spares have been left in the box.
- Check that all assembly instructions have been complied with.
- Check that the steering column is secure and has been adjusted to a comfortable position.

Pay specific attention to the following important aspects when familiarising yourself with how to use the machine.

- Check that the wire brush attachments are secure in their holders.
- Check that the fuel tank contains the correct fuel.
- Check that the engine crankcase is filled with oil.

Familiarise yourself with the location and operation of all operating features. Check their operation before starting the engine.



1. Brush head
2. Wire brush attachments
3. Upper steering column
4. Lower steering column
5. Dead man's handle
6. Throttle
7. Choke handle
8. Steering column star knob
9. Dipstick and oil cap
10. Fuel tank and cap
11. Dirt screen
12. Air filter
13. Lock switch
14. Mudguard

OPERATION

OPERATING FEATURES AND OPERATION

Also refer to Operating features and components on previous page.

Brush head / wire brush attachments

The wire brush attachments are secured in the brush head. Once installed in the brush head, the wire brush attachments cover an operating width of approximately 39 cm, which gradually reduces as the brushes wear away.

Dead man's handle

- Push the machine handle towards the steering column to activate the brush.
- Release the handle to deactivate the brush.

IMPORTANT: Always check the operation of the dead man's handle before using the machine. If, before making contact with the steering column, the dead man's handle can move freely without resistance, readjust or repair the machine before using it again. Refer to Maintenance and Adjustment.

Throttle



Fast Slow Stop

The throttle controls the engine speed. It is adjustable between fast and slow.

Choke handle

The choke handle is used to start the engine.

Rotor lock

The rotation feature is designed to make it possible to brush close to fences and walls whilst walking along them.

- Point the rotor on the machine to the left if you are brushing with the left hand side of the brush.
- Point the rotor on the machine to the right if you are brushing with the right hand side of the brush. Refer to Maintenance and Adjustment on how to adjust the machine.

REFILLING THE FUEL TANK

To refill the fuel tank proceed as follows:

1. Take the machine outside or to a well ventilated area.
2. Switch off the engine and allow it to cool down.
3. Clean the fuel cap and the area around it to prevent dust, soil and/or dirt from entering the fuel tank.
4. Remove the fuel cap.

IMPORTANT: DO NOT use gasohol or petrol containing alcohol as the alcohol will attack the internal components. Refer to the engine manual for the correct type and quality of fuel.

5. Fill the fuel tank (Refer to Specifications for details on the tank content.)
6. Replace and lock the fuel cap.
7. ALWAYS remove any fuel spills.
- 8.

WARNING:

EXPLOSIVE VAPOURS and **FLAMMABLE FUEL** can cause serious or fatal injuries. Be vigilant with fuel. ALWAYS use an approved fuel container. Do not smoke!

Do not ignite anything! No open fire! Allow the engine to cool down before carrying out maintenance on it.

Never refill the tank whilst the engine is running or it has become hot.

DO NOT overfill the tank.

Fill the tank to approximately ½ cm below the fill opening to allow for fuel expansion.

Wipe away spilt fuel and allow vapours to disperse before starting the engine.

Use an approved fuel container.

EMERGENCY STOP

Release the dead man's handle to execute an emergency stop. Once all moving parts have come to a standstill move the throttle to stop.

STARTING AND STOPPING THE ENGINE

Before starting

1. Check the engine oil level. Refer to the engine manual.
2. Check the fuel level.

Starting the engine

1. Turn the throttle to Fast.
2. Use the choke handle to slowly pull out the cable until you feel resistance. This is the compression stroke. Allow the cable to rewind. Now quickly pull out the cable all the way to start the engine and then allow the cable to slowly rewind.

IMPORTANT: DO NOT allow the choke handle to smash against the steering column.

3. Repeat the above steps until the engine starts. (Refer to Troubleshooting if the engine doesn't start.)

Switching off the engine

1. Release the dead man's handle to stop the brush head rotating. Wait until the rotating components have come to a complete standstill before leaving your position.
2. Turn the throttle to Stop.
3. If you are leaving the machine unsupervised, disconnect the spark plug lead to prevent accidental starting.

OPERATING THE WEED CLEARING MACHINE



NOTE: Remove grass and other dirt from the rubber dirt screen and exhaust damper before using the machine.

1. Start the engine.
2. Turn the throttle to Slow.
3. Pull the handle to the steering column to engage the brush head.
4. Once the brush head has been engaged, slowly walk forward to start brushing.

MOVING TO A DIFFERENT WORK AREA

When crossing a road or clear terrain release the handle to stop the brush head rotating. Gently push the steering column down to lift the brush head off the ground. This will prevent undue wear and tear on the brush head.

BRUSHING TIPS

- The weed clearing machine works best when the speed is kept to a minimum.
 - Walk more slowly if the weeds are denser.
 - Don't push the brushing unit quickly into dense vegetation.
 - Do not brush extremely steep inclines. Do not brush on inclines if the ground is wet or slippery. Do not work on a slope if you don't feel comfortable doing so.
 - Ensure that the brush is free from dirt and grass.
 - Install new wire brush attachments if they have worn away to less than 5 cm.
- Refer to Maintenance and Adjustment.

TRANSPORTING THE MACHINE

ALWAYS switch off the engine when transporting the machine on a truck or trailer. Secure the machine well but do not attach to connections, screens, cables or other parts that might be damaged as a result.



WARNING: PREVENT INJURY. Read the chapter on Safety in detail and make sure you are familiar with it before proceeding.

Maintenance schedule			
Completed maintenance	Intervals (hour)		
	Any Use	25	50
Check fixings	·		
Check wire brush attachments	·		
Check operation dead man's handle	·		
Check engine oil	·		
Clean dirt screen	·		
Clean machine	·		
Check air filter		·1	
Check spark plug			·
Replace engine oil	·2	·1	
Clean cooling fins		·1	
1. More frequently when working in extremely dusty or dirty conditions. 2. Replace engine oil after first two hours of operation, thereafter every 25 hours or every season, depending on which occurs first.			

MAINTENANCE POSITION

1. Remove the tank cap and cover the tank opening with plastic (e.g. use a plastic bin bag). Replace the cap to prevent fuel spills.
2. Move the machine rotor to the centre position.
3. Unscrew the two wing nuts on the lower steering column.
4. Tilt the machine backwards so that it rests on the lower steering column. A 10.2 x 10.2 cm wooden block under the rotor support will give the machine more stability when it is tilted even further back.
5. Once maintenance has been completed return the machine to the operating position.
6. Align the steering columns and tighten the wing nuts.
7. Remember to remove the plastic from the tank opening.

CHECK FIXING COMPONENTS

Check that all fixings are secure. Pay particular attention to the fixings on the steering column, screens, shields and brush head and wire brush attachments.

CHECK THE BRUSH HEAD

Check that the wire brush attachments are locked into the holder. Replace wire brush attachments if they have worn away to less than 5 cm. Refer to **Maintenance and Adjustment** for specific instructions.

CHECK OPERATION DEAD MAN'S HANDLE

The brush head must be fully deactivated as soon as the dead man's handle is released. If necessary adjust the dead man's handle. **Refer to Adjustment.**

CHECK THE ENGINE OIL

Refer to the engine manual for specific information on how to check the engine oil.

CLEAN DIRT SCREEN

Remove all grass and dirt from the screen on top of the engine. The engine will overheat if the screen is blocked.

CLEANING THE MACHINE

Clean the machine thoroughly. Remove soil and dirt using a brush or cloth. Use paint or lubricant on bare metal surfaces. Do not use abrasives, solvents or abrasive cleaning agents. **IMPORTANT:** NEVER clean the machine by spraying it with water and do not store it outdoors. Store it in a dry, cool and secure location.

CHECK THE AIR FILTER

Refer to the engine manual for specific information on how to check and maintain the air filter.

CHECK THE SPARK PLUG

Refer to the engine manual for specific information on how to check, clean and replace the spark plug.

CHANGING ENGINE OIL

Replace the engine oil after the first two hours of operation, thereafter every 25 hours or every season, depending on which occurs first. The oil must be changed whilst the engine is warm.

1. Disconnect the spark plug lead.
2. Clean the area around the oil cap.
3. Tilt the unit to the right.
4. Place an oil container under the oil cap.
5. Remove the oil cap and allow the oil to drain out. If necessary tilt the machine to drain all the oil out of the engine.
6. Put the machine back in an upright position.
7. Refill the engine with the oil recommended in the engine manual.
8. Replace and lock the oil cap.
9. Remove oil spills if necessary.
10. Reconnect the spark plug lead.



IMPORTANT: Remove sufficient fuel before tilting the machine to prevent spills. Use a piece of plastic (e.g. from a bin bag) to seal the fuel tank when the machine is tilted. Unscrew the cap on the fuel tank, cover the opening with plastic, replace the cap and lock it securely before trying to put the machine on its side. Remember to remove the plastic before using the machine again.

CLEANING COOLING FINS

Remove any grass and dirt from the cooling fins every 25 hours to prevent damage as a result of overheating.

-----MAINTENANCE AND ADJUSTMENT-----



WARNING: PREVENT INJURY

Read the chapter on Safety in detail and make sure you are familiar with it before proceeding.

WIRE BRUSH ATTACHMENT REPLACEMENT

Replace the wire brush attachments when they are less than 5 cm in length. Only use original wire brush attachments. Wear sturdy gloves to do so.

- Switch off the engine and wait until all moving parts are motionless. Disconnect the spark plug lead and ensure it can no longer make contact with the spark plug.
- Tilt the machine backwards, place the special notched key under the lock-pin nut, pull the handle towards you and pull the wire brush attachment from the brush head (see illustration 1). Repeat this for all wire brush attachments.
- If necessary remove dirt from the brush head and check it for possible defects.
- Insert the new wire brush attachment (with round notch facing down) into the brush head, insert the notched key under the lock-pin nut, pull the handle towards you, push the wire brush attachment fully into the brush head and remove the key (illustration 2).
- Check that the wire brush attachment is securely locked by firmly pulling it (illustration 3). Repeat this for all new wire brush attachments.

Always replace all wire brush attachments to prevent vibration.

Illustration 1



Illustration 2



Illustration 3



STEERING COLUMN HEIGHT ADJUSTMENT

1. Pull out the positioning bolt to the right of the lower steering column.
Remember to support the steering column.
2. Adjust the steering column to the desired height.
3. Push the positioning bolt into the opening corresponding with the correct height.



ROTOR ADJUSTMENT

1. Switch off the engine and wait until all moving parts are motionless. Disconnect the spark plug lead and ensure it can no longer make contact with the spark plug.
2. Unscrew the wing handle on the support at the rear of the machine.

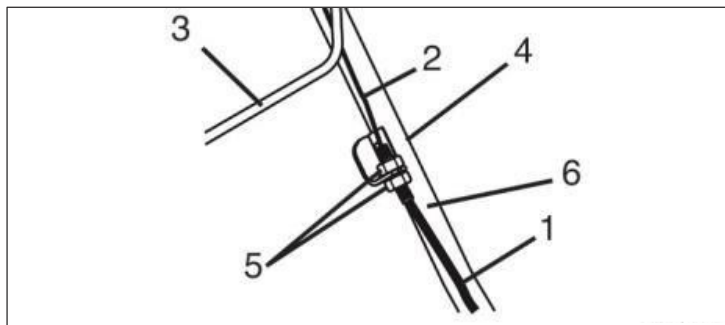


3. Slide the rear section of the rotor in the opposite direction to that in which you want to brush.
4. Secure the wing handle tightly.

DEAD MAN'S HANDLE ADJUSTMENT

The brush head should stop as soon as the dead man's handle is released. The operating lead should have sufficient play when the handle is fully released. If the brush head does not switch off completely when the dead man's handle is released, adjust the play in the operating lead as follows:

1. Unscrew the bottom cable nut.
2. Push the guide bush on the cable up in the direction of the dead man's handle.
3. Tighten the upper cable nut on the dismantling support to secure the guide bush.
4. Tighten the nuts against the fixing point to lock them in that position.



1. Operating cable
2. Operating cable wire
3. Dead man's handle
4. Steering column
5. Cable nuts
6. Guide bush

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
ENGINE doesn't start or operate correctly.	<ol style="list-style-type: none"> 1. The spark plug lead is disconnected. 2. The engine is not lubricated. 3. The fuel tank is empty. 4. The throttle is not in the correct position. 5. The engine has been flooded. 6. The spark plug is defective or incorrectly adjusted. 7. The fuel is old or dirty. 8. The engine cooling system is polluted. 9. The carburettor or fuel gauge is dirty. 10. The air filter or pre-filter is dirty. 11. The carburettor is badly adjusted. 	<ol style="list-style-type: none"> 1. Connect the spark plug lead. 2. Lubricate the engine. 3. Refill the fuel tank. 4. Consult the engine manual. 5. Wait a few minutes before attempting to start again. 6. Replace or readjust the spark plug. 7. Empty the fuel tank and refill it with fresh fuel. 8. Clean the dirt screen and cooling fins. 9. Clean the carburettor or fuel gauge. Refer to the engine manual. 10. Clean the air filter or pre-filter. 11. Refer to the engine manual or contact your dealer.
Engine is overheating	<ol style="list-style-type: none"> 1. The engine cooling system is full of dirt. 2. The carburettor is badly adjusted. 	<ol style="list-style-type: none"> 1. Clean the engine screen and cooling fins. 2. Refer to the engine manual or contact your dealer.
Poor brushing results.	<ol style="list-style-type: none"> 1. The engine is running too fast. 	<ol style="list-style-type: none"> 1. Put the throttle to a lower position.
Machine vibrates.	<ol style="list-style-type: none"> 1. Wire brush attachments are not the same length. 2. Loose fixings. 	<ol style="list-style-type: none"> 1. Replace the wire brush attachments. 2. Check that all bolts and nuts, including engine supports, are secure.

STORAGE

WARNING: PREVENT INJURY. Read the chapter on Safety in detail and ensure that you are familiar with it before proceeding.

Proceed as follows to prepare the machine if it is going to be stored for more than 30 days.

- 1 Allow the engine to run until the fuel has been used up. Refer to the engine manual for specific instructions on preparing the engine for storage.
- 2 Remove all dirt from the machine. Refer to the chapter on Maintenance for cleaning instructions.
- 3 Inspect the machine for signs of wear and tear, breakage or other damage. Order the necessary spare parts and implement the necessary repairs to prevent delays when you are ready to use the machine again.
- 4 Ensure that all nuts, bolts and screws are secure and that the machine is ready to be operated safely.

Fuel system

If fuel is left in the fuel system for a long time without stabilizer it will deteriorate in quality. Deposits can have an adverse effect on the carburettor and fuel lines, fuel filter and tank. Prevent deposits in the fuel system during storage by adding a high quality fuel stabilizer to the fuel. Stick to the mixing ratio recommended on the stabilizer packaging.

Prepare the fuel system for storage as follows:

- 1 Add the fuel stabilizer to the fuel in accordance with the manufacturer's instructions.
- 2 Allow the engine to operate for at least 10 minutes after adding the stabilizer to ensure that it reaches the carburettor. NEVER store the engine with fuel in the tank in a building where there might be potential ignition sources in the vicinity.

SPARE PARTS

Remember to always use original spares to ensure that your machine continues to operate as new.

Part no.	Number	Description
LP150ST14V	6	wire brush attachments
WISSELLEPEL SW	1	key to fast replacement system

SPECIFICATIONS	
Model number	MVT-390-2016
Description	Weed clearing machine
Engine	Briggs & Stratton
Max. stationary engine speed revs/min	2783
Engine cylinder capacity cc	161
Fuel	Refer to engine manual for type and quality
Fuel tank capacity - litres	1.6
Brush width - cm	39
Maximum height steering columns - cm	105.11
Minimum height when folded - cm	56
Length - cm	147.02
Minimum length when folded - cm	94.62
Width - cm	55.88
Weight - kg	42.00
Brush head speed - max. revs/min	1710
Drive belt	4L section, Single V-construction, Kevlar wound V-cord
Wheel size - cm	35.56
Operating width - mm	390
CE – Sound and Vibration	
Sound level at operator's ear (L pa) dBa	<80
VIBRATION (m/s ²) at operator's hands	<2.5



Siberiëstraat 47
3900 Overpelt
www.greijmansgroep.be

NOTE:

NOTE:

NOTE:

Kersten

SITE MAINTENANCE EQUIPMENT

Distributed in UK by
Kersten (UK) Ltd Tel. 0118 986 9253

Progress House
39 Boulton Road Reading, RG2 0NH
www.kerstenuk.com - info@kerstenuk.com