



Electric Lawnmower



Owner's Manual

Important

**Please read these instructions carefully before assembly, to reduce risk of fire, burn hazard or other injury.
Keep these instructions in a safe place for future use.**

This manual covers the Masport Electric Mower.



Do not operate this machine before it has been assembled correctly and you have read and understood these instructions.

Keep the instructions in a safe place for future use.

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Symbols on the Machine

		<p>Carefully read owner's manual before handling the machine. Observe instructions and safety rules when operating.</p>	<p>Shut off engine and remove power cord before untangling the power cord and when performing cleaning, maintenance or repair work.</p>
		<p>Danger – objects may be thrown out at high speed when motor is running. Keep people, pets and domestic animals out of the danger</p>	<p>Wear eye protection.</p> <p>Protect against moisture.</p>
		<p>Keep your hands out of the immediate vicinity of rotating parts.</p>	<p>Keep your hands and feet away from sharp parts.</p>
		<p>Keep the lead away from sharp parts.</p>	<p>Keep the supply flexible cord away from the cutting blades.</p>

Symbols in this Owner's Manual



Threatened hazard or hazardous situation.
Not observing this instruction can lead to injuries or cause damage to property.



Important information on proper handling.
Not observing this instruction can lead to faults in the machine.



User information. This information helps you to use all the functions correctly.

Safety Warning



Even though this machine has been designed to be safe in use, it is essential to follow the Safe Working instructions carefully to avoid accidents to persons or property. Particular hazards are the use of incorrect electrical connections or touching exposed electrical components



This appliance is not intended for persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure they do not play with the appliance.

Safe Working



Read and keep to the following advice in order to protect yourself and others from possible injury.



Pass the safety instructions on to all persons who work with the machine.



Keep these safety instructions in a safe place.



CAUTION - Do not touch rotating blades.

- Make yourself familiar with the equipment before using it, by reading and understanding the operating instructions.
- Do not use the machine for unsuitable purposes
- Ensure that you have secure footing and maintain your balance at all times.
- Pay attention at all times. Take care with what you are doing, and approach the work sensibly. Do not use the machine:
 - when you are tired.
 - under the influence of drugs, alcohol or medications that may impair your powers of judgement.
- When working with the machine, always wear...
 - protective goggles or face mask
 - safety gloves
 - hearing protection
 - slip-proof shoes
 - long trousers
- Wear suitable work clothing:
 - do not wear any loose-fitting clothing since these may be caught or trapped by moving parts.
- Children and people who have not read the operating manual must not operate the machine.
- Keep children and pets away from the machine.
- Never operate the machine if other persons are in the immediate vicinity.
- The user is responsible for accidents to other people or their property.
- Do not overload the machine! This appliance operates better and safer in the given performance range.
- Only operate the machine when it is fully assembled and do not alter anything on the machine that could impair safety

- This appliance is not intended for use by young children or infirm persons unless they can use the appliance safely.
- Young children should be supervised to ensure they do not play with the appliance.
- Faulty or damaged parts must be replaced immediately.
- Do not spray machine with water (this is hazardous due to live components).
- Do not leave the machine standing in the rain or use when raining.
- Store the unused machine in a dry locked place away from the reach of children.
- Switch the machine off and remove the mains plug from the socket when...
 - removing entanglements.
 - carrying out servicing, repairs, or fault finding.
 - checking the leads to see whether these are caught up or damaged.
 - transporting.
 - leaving unattended. (even during short interruptions)
- Check the machine for possible damage if unusual noises and vibrations are noticed.
 - Before continuing to use the machine, the protective devices must be inspected to ensure that they work perfectly and with their intended function.
 - Check whether the parts are damaged. All parts must be correctly installed and fulfil all conditions to ensure perfect operation.
 - Damaged parts must be properly repaired or exchanged by a recognised, specialist workshop.
 - Damaged or illegible safety warning labels should be replaced immediately.



Electrical Safety

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance should be supplied via a residual current device (RCD) with a tripping current of not more than 30mA.
- Long power cables will cause a drop in voltage, impairing the performance of the machine.
- Cables up to 25m long can have 1.5mm² conductors, while cables longer than 25m must have 2.5mm² conductors. Supply cords shall not be lighter than,
 - if rubber insulated, ordinary tough rubber sheathed flexible cord (code designation 60245 IEC 53)
 - if polyvinyl chloride insulated, ordinary polyvinyl chloride sheath flexible cord (code designation 60227 IEC 53).
- Ensure that the plug pins on the cable and the machine are not bent, and that the weight of the cable will not pull the socket part.
- Do not separate the plug and socket by pulling on the cables.
- Check the condition of the power cable by regularly for insulation damage, replacing if necessary.



Important!

If the moulded 3 pin plug attached to this unit is damaged and needs replacing, it is important that it is correctly destroyed and replaced by an approved BS 1363/13A fused plug and that the following wiring instructions are followed. The wires in this mains lead are coloured in accordance with the following code:

- Blue neutral
- Brown live

As the colours of the wires in the mains lead of this unit may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
- The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Proper Usage

Training

1. Read the operating and maintenance manuals carefully. Be thoroughly familiar with the controls and the proper use of the equipment. Know how to stop the mower and disengage the controls quickly in an emergency.
2. Never allow children or people unfamiliar with these instructions to use the appliance. Local regulations may restrict the age of the operator.
3. Never mow while people, especially children, or pets are nearby.
4. The operator or user is responsible for accidents or hazards occurring to other people or their property.

Preparation

1. Thoroughly inspect the area where the equipment is to be used and remove all stones, sticks, wires, bones and other foreign objects before mowing, they could be thrown by the blade.
2. Do not operate the equipment when barefoot or wearing open sandals.
3. Always wear substantial footwear and long trousers. It is advisable to wear suitable eye protection.
4. Mow only in daylight or good artificial light, and always keep children away from the mowing area.
5. Never operate the equipment in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run. Never walk backwards while cutting grass.
6. Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance.
7. On multi-bladed appliances, take care as rotating one blade can cause other blades to rotate.

Operation

1. Mow only in daylight or in good artificial light.
2. Avoid operating the appliance in wet grass, where feasible.
3. Always be sure of your footing on slopes.
4. Walk, never run.
5. For wheeled rotary mowers, mow across the face of slopes, never up and down.
6. Exercise extreme caution when changing direction on slopes.
7. Do not mow excessively steep slopes.
8. Use extreme caution when reversing or pulling the appliance towards you.
9. Stop the blade(s) if the appliance has to be tilted for transportation when crossing surfaces other than grass, and when transporting the appliance to and from the area to be mowed.
10. Never operate the appliance when switching on the motor, except if the appliance has to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part which is away from the operator. Always ensure that both hands are in the operating position before returning the appliance to the ground.
11. Do not put hands or feet near or under rotating parts. For rotary mowers, keep clear of the discharge opening at all times.
12. Never pick up or carry an appliance while the motor is running.
13. Pull the plug from the socket:
 - whenever you leave the machine;
 - before clearing a blockage;
 - before checking, cleaning or working on the appliance;
 - after striking a foreign object. Inspect the appliance for damage and make repairs as necessary;
 - if the appliance starts to vibrate abnormally (check immediately).
14. Mow across the face of slopes; never up and down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes, over 30°.

15. Do not tilt the mower when starting the engine.
 16. Start the motor carefully with feet well away from the blades.
 17. Do not put hands or feet near or under rotating parts. Always keep clear of the blade.
 18. Stop the mower when crossing gravel drives, walks or other areas where stones may pitch up.
 19. Don't mow over heavy or solid objects as striking them with the blade can cause serious damage to the motor and will void your warranty.
 20. After striking a foreign object, stop the motor, unplug the mains lead from the power supply and thoroughly inspect the mower for any damage, and repair the damage, or take it to a specialist before restarting and operating the mower.
 21. If the mower should start to vibrate abnormally, stop and check immediately for the cause. Vibration is generally a warning of trouble.
 22. Stop the motor whenever you leave the mower, even for a moment, before cleaning the mower housing, and when making any repairs or inspections.
 23. When cleaning, repairing or inspecting, make certain the blade and all moving parts have stopped and that the motor has had time to cool. Disconnect the electric lead from the mains to prevent accidental starting.
 24. Do not run the motor indoors.
 25. Shut the motor off and wait until the blade comes to a complete stop before un-clogging obstructions.
 26. Never operate the mower without proper guards, deflectors provided by the manufacturer, or other safety devices in place.
 27. Never pick up or carry a mower when it is operating.
 28. Never carry the mower by the cord.
- Never operate the appliance in the rain.

Maintenance

1. Before using, check the blade(s) and blade bolt(s) for wear and damage. Replace worn or damaged blades and bolts in sets to preserve the balance. **DAMAGED BLADES AND WORN BOLTS ARE MAJOR HAZARDS. Ensure that only replacement cutting means of the right type are used.**
2. Keep all nuts, bolts and screws tight to be sure the mower is in safe working condition.
3. Allow the motor to cool before storing in any enclosure.
4. To reduce fire hazard, keep the engine free of grass and leaves.
5. Check the grass catcher frequently for wear or deterioration.
6. Replace worn or damaged parts for safety.

Storing your Mower

The handle can be folded to minimise space requirements. **FOLDING THE HANDLE.** Unlock the handle clamps in the middle of the handle and fold the top section over the motor.



Check that the electrical cables are not being strained while folding and unfolding the handle. Permanent kinks will cause damage to the cables.

Before Start-up

- Check that the machine is completely and correctly assembled.
- Before using the mower, make sure each time that...
 - the power supply cable is not damaged, no tears, cuts, etc.
 - the machine is not damaged.
 - all screws are tight.



Mains Connection

- Compare the voltage given on the machine model plate e.g. 230 V with the mains voltage and connect the machine to the relevant and properly earthed plug.
- Only use connection cables with sufficient diameters.
- Do not use any defective connection cables.
- Connect the machine via a 30 mA fault current safety switch.
- Use a socket with RCD protection.

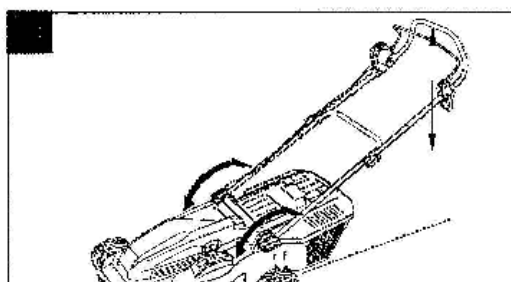
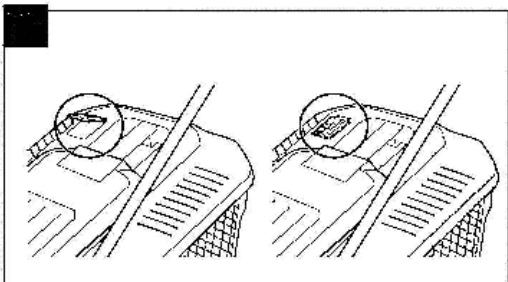
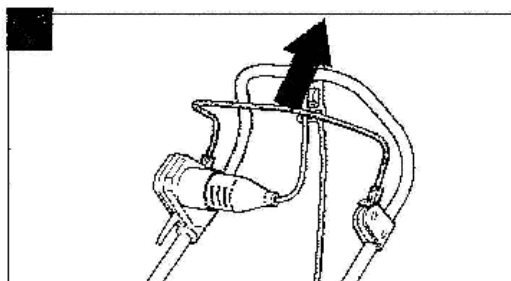
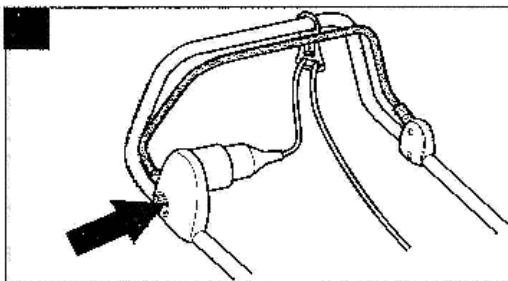
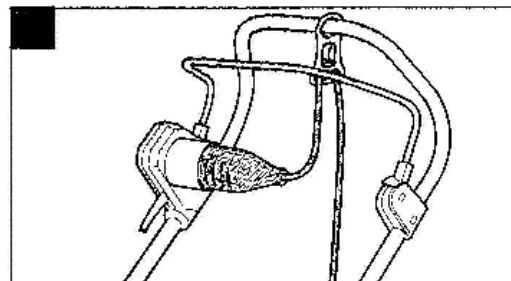
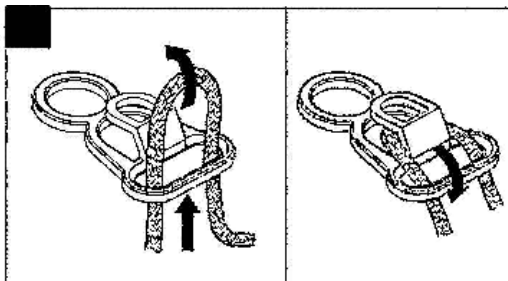


Fuse protection: 10 A

General Arrangement

Your lawnmower has been designed for mowing grass.

1. Motor cover
2. Lower handle
3. Upper handle
4. Cable clip
5. Handle knob and bolt
6. Height adjustment lever
7. Safety button
8. ON/OFF switch
9. Grass catcher



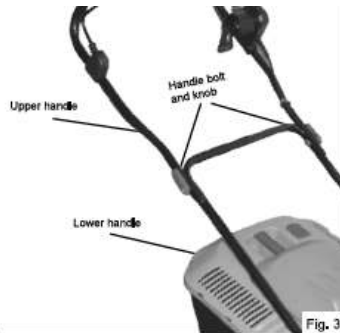
Assembly

Assembly of the Lower Handle



Adjust the lower handle at favorable position and tighten the two knobs .

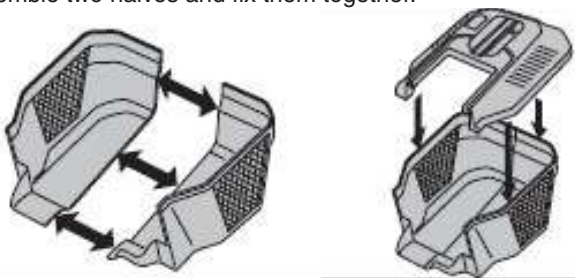
Assembly of the Upper handle, Cable Retaining Hook and Cable Clips



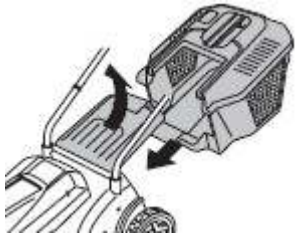
- Slide the cable restraint hook onto the upper handle. (fig.2)
- Position the upper handle over the lower handle and align on the holes. Push the securing bolts through the holes. Screw on the securing knobs and hand tighten(fig 3).
- Hold the cable against the lower handle and pull gently upwards. Fix into position using cable clips (fig 4).

Assembly of Grass Collection Box

Assemble two halves and fix them together.



Lift the rear cover and place the grass box cover the lugs



1. Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance.
2. On multi-bladed machines, take care as rotating one blade can cause other blades to rotate.

3. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.

To obtain the desired cutting height, the front and rear axles are repositioned on the underside of the mower housing
Warning! Disconnect the mower from the power supply and ensure the blade has stopped coasting before adjusting the height.



- Make sure that the mower is disconnected from the power supply.
- To raise the blade height, grasp the height adjustment lever and move it toward the back of the mower.
- To lower the blade height, grasp the height adjustment and move it toward front of the mower.

Cutting height positions

1. 20mm (lowest cutting height position)
2. 30mm
3. 40mm
4. 50mm
5. 60mm
6. 70mm (Highest cutting height position)

Operation

Adjusting the mowing height

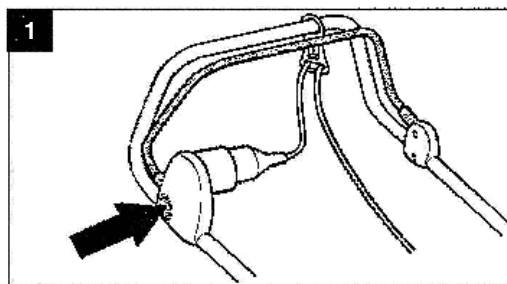
The appliance can be adjusted to five mowing heights.

- Set the appliance to the required height by sliding the height adjustment lever to the corresponding position.

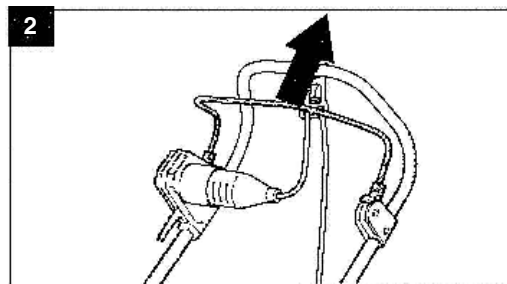


Switching on and off

- To switch the appliance on, keep the lock-off lever depressed and press the on/off switch (1)



- To switch the appliance off, release the lever (2)



Using the mower

- Connect the appliance to a suitable extension cord.
- 1. Connect female extension cable connector to the three pin plug on the mower.
- Form a loop in the mains cable and push the loop through the slot 'A' as illustrated, Figure J. To secure, position loop over the hook 'B' and pull the cable back through the slot 'C'.
- Hold the appliance with both hands.
- Keep the appliance away from hard objects and plants.
- When working long grass proceed layer for layer. First set the appliance to the maximum mowing height, then to a lower mowing height.
- Only use the appliance for working dry grass.
- Empty the collector after each use.

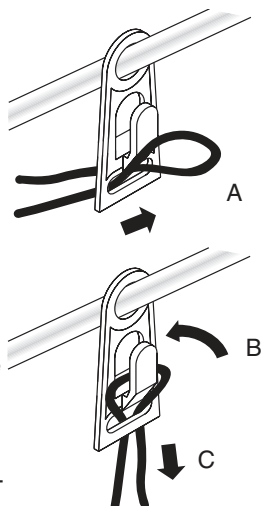


Figure J



Warning!

Cutting grass that is too long on a low mowing height can clog the mower and result in motor failure. When cutting long grass, start from the maximum cutting height and gradually lower the cutting height until the desired grass height is achieved.

Care and maintenance

The machine does not require any special maintenance.

Cleaning (Use gloves)

It is very important that you keep your lawnmower clean. Grass clippings left in any of the air intakes or under the hood could become a potential fire hazard.

1. Remove grass from under the hood with a piece of wood or similar.
2. Using a soft brush - remove grass clippings from all air intakes.
3. Apply a few drops of oil to the cutting mechanism to avoid oxidation.
4. Wipe over the surface of your lawnmower with a dry cloth.



Important!

Never use water for cleaning your lawnmower. Do not clean with chemicals, including petrol, or solvents - some can destroy critical plastic parts.

When you finish mowing

1. Replace blade, bolts, nuts or screws, if necessary.
2. Clean your lawnmower thoroughly.
3. Ask your local Service Centre to clean the air filter thoroughly and carry out any service or repairs required.
4. Make sure that the electric cable is coiled properly.

Carrying your Lawnmower

Ensure the blade is facing away from you.

Storing your Lawnmower Store in a dry place where your lawnmower is protected from damage.

Professional Inspection Required:

- after collision with an obstacle
- after sudden stoppage of the motor
- if the blade is bent
- if the motor shaft is bent

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Troubleshooting

Fault	Possible Cause	Solution
Motor does not start	No power supply	Check fuse / extension lead
	Machine cable defective	Contact Masport / Authorised specialist workshop
	Blade jammed	Clean ejection channel / housing; the blade must rotate freely. Start on low grass or on the section of the lawn that has already been mown; correcty the cutting height.
Loss of motor performance	Too much grass in the ejection channel or housing	Clean ejection channel/housing. Correct the cutting height.
	Blade blunt	Contact Masport / Authorised specialist workshop and have the blade sharpened/replaced.
Grass collection box does not fill up sufficiently.	Lawn wet	Allow the lawn to dry
	Grass collection box clogged	Clean the grid of the grass collection box
	Too much grass in ejection channel or housing	Clean ejection channel/housing. Correct the cutting height.
	Blade blunt	Contact Masport / Authorised specialist workshop and have the blade sharpened/replaced.