



BROUGHTON PLANT
HIRE & SALES

EST 1969

Specialist suppliers to the Heating, Ventilating and Fire
Protection Trades



LGMG USER MANUAL



Common Fault Codes

68/36: Low Voltage (Unit needs charging)

OL: Platform Overload Alarm (Remove excess weight)

LL: Unit Is Not Level (Re-position unit to level surface)

18: Pothole Protection Blocked (Remove blockage)



Warning



Operator and maintenance personnel must read and understand this manual for operation and maintenance. Otherwise, it could result in injury and death. Keep this manual in a suitable place for reference to the personnel concerned.

Operating instructions

9.1 Prohibited operation unless

The safety principles of the machine are understood and implemented.

- 1) Dangerous conditions are avoided.
- 2) The inspection before operation is always carried out.
- 3) The workstation has been checked.
- 4) A function test is always carried out before use.
- 5) The machine is used for its designed purpose.

9.2 Basic principles

- 1) The machine is a self-propelled and electrically boosting device, which has a working platform on a scissor mechanism. The vibration caused by the machine running does not lead to risks for the operators on the work platform. The machine can be used to transport the employees and their tools to the specified height above the ground and also for reaching the workstation above the machine or equipment.
- 2) The details of each operating aspect are specified in the operating manual.
The operator's responsibilities are to follow all safety measures and descriptions in the operation and maintenance manual.
- 3) It is unsafe and even dangerous to use the machine for purposes other than transporting personnel, equipment, tools and material to the workstation above.
- 4) Only trained and authorised personnel can operate the machine. If the machine is used by more than one operator at different times in the same work period, the operators must have the qualification and follow all safety instructions and the description in the operation and maintenance manual. This means that each new operator must perform the inspection for operation, the function test and the workstation inspection must be carried out before the machine is used.

9.3 Emergency stop

- 1) Push red emergency stop button on the ground or platform control to "OFF" to disable all functions.
- 2) To reactivate a control function, the red emergency stop button must be pulled out.

9.4 Emergency lowering

Push out the emergency lowering control button.

9.5 Operation on the ground

- 1) Engage the ignition switch on the ground control.
- 2) Place the red emergency stop buttons on the platform control and the ground control in the "ON" position.
- 3) Keep the battery pack properly connected before the machine runs.

9.6 Adjusting platform position

Move the lever according to the sign on the control panel. The driving and steering functions are not available through ground control.

9.7 Operation on the platform

- 1) Engage the ignition switch on the platform controls.
- 2) Place the red emergency stop buttons on the platform control and the ground control in the "ON" position.
- 3) Keep the battery pack properly connected before the machine runs.

9.8 Adjusting platform position

- 1) Press the lift function selection button.
- 2) Press the dead man switch on the control lever.
- 3) Move the lever according to the sign on the control panel.

9.9 Turning

- 1) Press the drive function select button.
- 2) Press the dead man switch on the control lever.
- 3) Turn the steering wheel via the toggle switch at the top of the steering lever.

9.10 Driving

- 1) Press the drive function select button.
- 2) Press and hold the on/off button on the control lever.
- 3) Accelerate: move the control lever slowly from the centre.
Slow down: Slowly move the control lever to the centre.
Stop: Move the control lever back to the centre or release the on/off button.
- 4) Determine the direction of travel with the directional arrows on the platform steering and chassis.
- 5) When the platform is raised from the transport status, the speed of movement is limited.
- 6) The status of the battery affects machine performance.
- 7) When the battery level indicator light flashes, the machine's travel and function speed are reduced.

9.11 Driving speed option

The driving control can be performed at two different speeds. When the light on the driving speed selector lever illuminates, the low speed mode is engaged. When the light on the driving speed selector switch goes out, the high speed mode is engaged. Press the driving speed selector to select the desired driving speed.

9.12 Operation with ground control

- 1) Maintain the safe distance between the operator, machine and the attachment part.
- 2) Pay attention to the progress direction of the machine when using the controls.
- 3) Identify the battery level with the LED diagnostic device.

9.13 Use of a safety support

- 1) Lift the platform to a height of 2,4 m above the ground.
- 2) Lift the safety support, move it to the centre of the scissors housing and turn it up until it's vertical.
- 3) Lower the platform height until the safety support is completely against the shaft housing. Keep the platform away from moving parts in the lowering process.



Danger: do not transport a load on the platform when using the safety support. It won't take long (8 hours) to use safe arm support in the empty state.

9.14 Extending and retracting the platform

The protective rail system of the platform consists of a collapsible protective rail part of the extended platform and a collapsible protective rail of the main platform. All parts are fitted via eight steel locking pins.

- 1) The platform is completely reduced in size, extendable platform has been retracted and platform controls have been removed.
- 2) From the inside of the platform, two wire locking pins on the upper part of the front safety rail of the expansion platform have been removed.
- 3) Tilt the front protective rail of the expansion platform, do not place your hands in a place that could possibly cause injury.
- 4) Install two disassembled steel wire locks back on each side of the guardrail support.
- 5) Remove two wire locks in the middle of the left guardrail and turn the left guardrail of the extended platform inwards. Do not place your hand where it could be injured.
- 6) Place two disassembled wire locking pins on the safety bar.
- 7) Remove two wire locks in the centre of the right protective rail and turn the right protective rail of the extended platform inwards. Do not place your hand where it could be injured.
- 8) Place two disassembled wire locking pins on the safety bar.
- 9) Remove the wire lock from the top guardrail of the door and turn the top guardrail in. Do not place your hand where it could be damaged.
- 10) Place two disassembled wire locking pins on the safety bar.
- 11) Remove the wire lock from the upper left guardrail of the platform and turn the left guardrail inwards. Do not place your hand where it could be damaged.
- 12) Place two disassembled wire locking pins on the safety bar.
- 13) Remove the wire lock from the upper right guardrail of the platform and turn the right guardrail inwards. Do not place your hand where it could be damaged.
- 14) Place two disassembled wire locking pins on the safety bar.

9.15 Folding the protective rail

Follow the folding instructions for the protective rail and perform the installation in reverse order.

9.16 Extending and retracting the platform

- 1) Step on the locking pedal on the extended platform.
- 2) Push the protective rail of the extended platform to bring it to the desired position.



Notice: *do not stand on the extended platform when the platform is extended.*

10.1 Compliance and follow-up

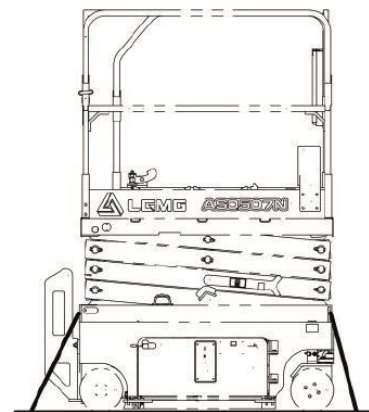
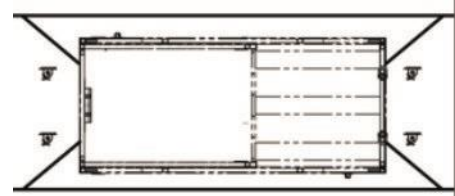
- 1) If you lift the machine with a crane, make the correct assessment and draw up a plan for moving the

machine.

- 2) Only personnel qualified for above-ground lifting may load and unload the machine.
- 3) The transport vehicle must be parked on a level surface.
- 4) When loading the machine, secure the vehicle to prevent movement.
- 5) Make sure that the vehicle volume, load surfaces, chain or belt are sufficient for carrying the machine weight. Refer to the type plate for the machine weight.
- 6) Make sure the machine is on a horizontal surface or secure the machine before the brake is released.
- 7) Take measures to prevent the protective rail from falling when removing the bolt. Hold the protective rail securely when folding the protective rail.
- 8) Do not drive the machine up and down an incline. Do not operate the machine on an incline that is too steep.
For "driving on a incline", see the "Operation notice!".
- 9) If the incline exceeds the maximum incline percentage, you must load and unload the machine with a winch according to the brake operation instruction.

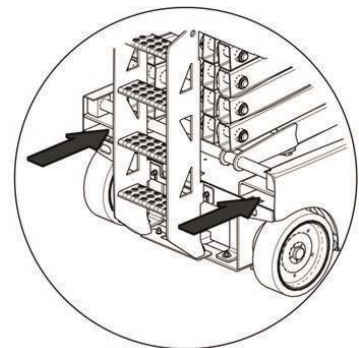
10.2 Transport safety

- 1) Lock the machine wheels during preparation for transportation.
- 2) Pull in the extended platform and secure it.
- 3) Turn the ignition key to the "OFF" position and pull the key out of the ignition for transport.
- 4) Fully inspect the machine for loose or unsecured parts.
- 5) Secure the machine to the transport surface via the anchoring part on the chassis.
- 6) Use at least four chains or belts.
- 7) Make sure you have used chains or belts with sufficient load density.
- 8) For transport, fasten the folded protective rail (if present) with a belt.



Compliance and follow-up

- 1) Only a qualified operator may use the lock mount and lift the machine.
- 2) Only personnel with the qualification for forklift operation may load and unload the machine with a fork-lift truck. 3) Make sure that the lifting capacity, the loading surface, the belt or rope of the crane is sufficient for the carrying the machine weight. The serial number can be found on the type plate.



Transport and lifting instructions

10.3 Forklift

- 1) Make sure you securely and reliably secure the extended platform, controls and chassis drawer. Remove all movable parts from the machine.
- 2) Lower the platform completely. Keep the platform folded in each transport process.
- 3) Use the forklift openings on both sides of the ladder.
- 4) Place the fork of the forklift into the forklift openings.
- 5) Drive the forklift forwards to fully insert the fork into the openings.
- 6) Raise the machine 15 cm and tilt the fork slightly backwards to keep the machine stable.
- 7) Keep the machine horizontal while lowering the fork.



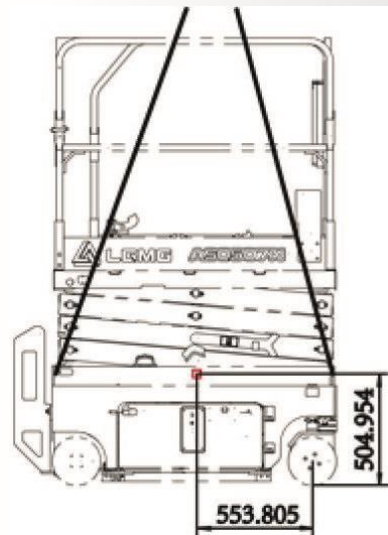
Notice: Damage to parts may occur when lifting the machine from the side.

10.4 Lifting guidelines

- 1) Lower the platform completely. Make sure that you secure and correctly secure the extended platform, controls, and chassis drawer. Remove all movable parts of the machine.
- 2) Connect the latch only to the specified lifting point on the machine. Two lifting points must be available at each end of the machine.

They can be used for lifting.

- 3) Adjust the locking tool so that the machine does not get damaged and remains horizontal.



10.5 Parking and storage

Follow the parking and storage instructions below:

- 1) Drive the machine to a well-protected and well-ventilated ventilation area.
- 2) Make sure that the work panel is completely lowered.
- 3) Set the red emergency stop switch to the "OFF" position.
- 4) If necessary, cover the control panel and warning signals to protect them from serious environmental conditions.

- 5) If the machine has been parked for a longer period of time, cover the wheels on both sides with a baffle plate.
- 6) Switch the power switch to the "OFF" position and remove the key from the ignition to prevent starting and unauthorised use of the equipment.
- 7) If the optional anti-breakage equipment is provided, the work panel and ground control box can be covered and locked to prevent access.

