



INSTRUCTIONS FOR:
LAWN MOWER 400mm PETROL B & S 450E
 MODEL No: **GL110**

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.



Read the manual



Wear eye protection.



Wear ear protection.

1. SAFETY

1.1. GENERAL SAFETY

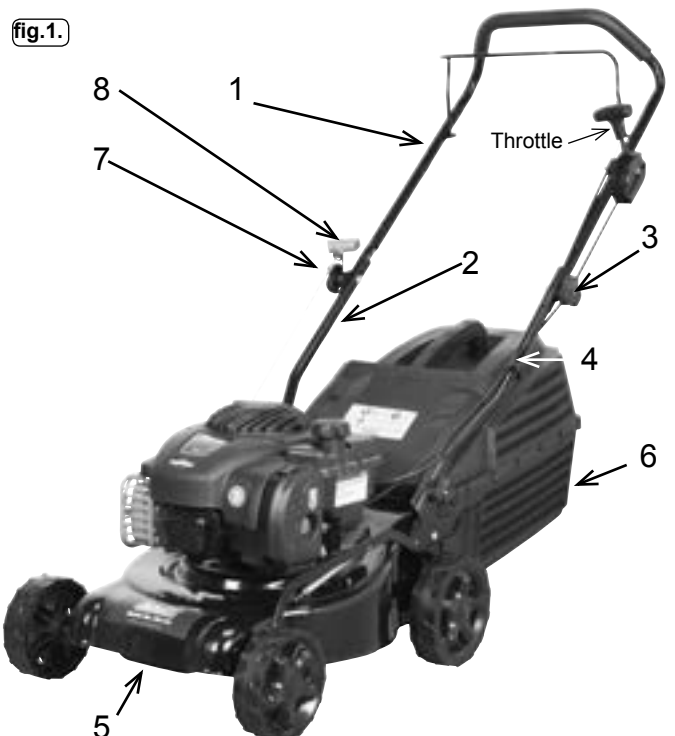
- WARNING! The mower must only be serviced by an authorised agent (except for blade replacement).**
- WARNING! Petrol is highly flammable and petrol vapour is explosive. DO NOT smoke, expose to naked flames, sparks or heat while re-fuelling. Comply with all laws regulating handling and storage.**
- WARNING! DO NOT use in confined spaces, due to exhaust fumes.**
- DO NOT** use this product to perform a task for which it has not been designed. Grassed lawns only.
- DO NOT** operate the mower barefoot or wearing open sandals, always wear substantial footwear and long trousers.
- DO NOT** operate the mower whilst tired, ill, under the influence of alcohol or other intoxicating drugs.
- DO NOT** carry the mower by the throttle cable or the recoil pull cord.
- DO NOT** start the mower with blades fully exposed.
- DO NOT** put your hands or feet under the cutter deck
- Familiarise yourself with the controls and limitations of the mower. This is a portable petrol powered appliance, read the separate engine manual, learn how to stop the engine quickly.
- Ensure the mower is in good order and condition before use. If in any doubt mechanically do not use the unit and contact a service agent.
- Maintain the mower in good condition and replace any damaged or worn parts. Use genuine parts only. *Unauthorised parts may be dangerous and will invalidate your warranty.*
- Inspect the lawn prior to cutting, removing obstructions including molehills.
- Keep children and unauthorised persons away from the working area.
- Wear safety glasses, ear defenders and in dusty conditions a face mask.
- Mow only in daylight or good artificial light.
- Avoid mowing when grass is wet, never when raining.
- Extra care is required when mowing slopes, be sure of your footing.
- Turn off the mower, wait for the blade to stop before attempting any other mower activities.

2. INTRODUCTION

Hand propelled, lightweight and manoeuvrable, wheeled rotary lawnmower. Powered by a Briggs & Stratton 450E engine, incorporating the latest engine design technology and providing 'best in class' performance in this category of engines. Featuring a steel deck with 400mm(16") cutting width. 8 Position central height adjustment with a range of 20-70mm. Pull cord start on top of engine with an emergency cut-out lever on the handle. Single metal blade allows for efficient grass cutting into a 45ltr collector. Fold down handle allows for easy storage and transportation.

3. SPECIFICATION

Model No:	GL110
Drive Type:	Hand Propelled
Cutting Width:	400mm (16")
Deck Construction:	Mild Steel (painted)
Engine type:	Single Cylinder, 4 Stroke, Air Cooled, OHV
Engine Displacement:	125cc
Engine Cut-Out Lever:	Yes
Engine Power:	2.2kW
Sound Pressure:	86dB(A)
Sound Pressure Uncertainty:	3dB(A)
Sound Power:	98dB(A)
Sound Power Uncertainty:	3dB(A)
Fuel Tank Capacity:	0.8ltr
Fuel Type:	Unleaded 95 Ron
Cutting Level Heights:	8
Cutting Height Range:	20 - 70mm
Replacement Blades:	GL110.B
Weight:	19.5kg
Discharge:	Rear
Rated Engine Speed:	2600rpm



4. CONTENTS

Item	Description (quick reference)	Qty
1	Upper handle sub assembly	1
2	Lower handle frame c/w hex nuts and screws	2
3	Handle clamp c/w carriage bolt	2
4	Cable clip	1
5	Cutter deck c/w motor, wheels and blade	1
6	Grass box	1
7	Recoil stop and cord guide	1
8	Recoil cord handle	1
9	Spark plug spanner (not shown)	1

5. ASSEMBLY

5.1. Check that you have all the above details in the packaging.

5.2. Assembly:-

5.2.1. Offer the lower handle frames (item 2) into the preformed "U" channels of the cutter rear deck wing brackets and over the domed head studs, see fig.2.

5.2.2. Clamp the assembly with the knob plain washer and "C" washer.

5.2.3. Fit the upper handle sub assembly (item 1) containing the safety throttle lever and cable to the lower handle (item 2) paying special attention to the cable run. Clamp the frame with the details shown in fig.3.

5.2.4. Position the cable clip (item 4) just below the frame clamp, see fig.1.

5.2.5. Attach grass box if required (item 6) with the grass box slots. Lift the spring loaded hinged panel and locate slots with tabs, see fig.4.

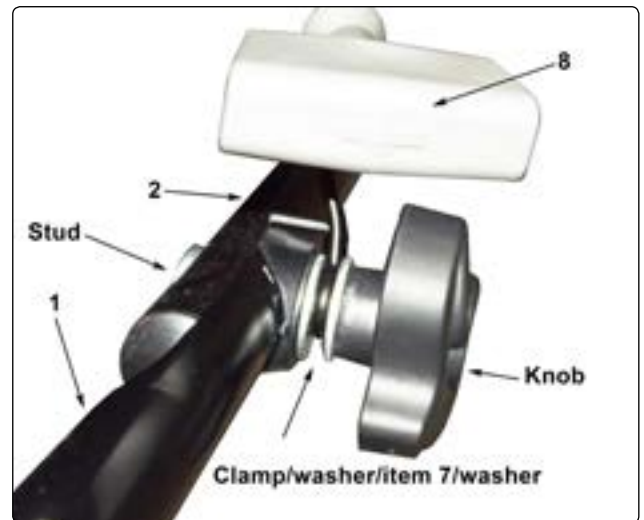
NOTE: The blade must be fitted observing the stamped arrow, fig.6. The retaining bolt has a standard RH thread.

WARNING! Never use blades other than the spares supplied by your Sealey Dealer.

fig.2.



fig.3.



5.3. Blade fitting:-

5.3.1. Decide on the grass cutting length required, a choice of 8 are available, from 20mm to 70mm approximate grass length settings. In fig.5 a lever adjusts mower cutting height. Pull the lever crank from the notch and sweep the lever to desired height notch.

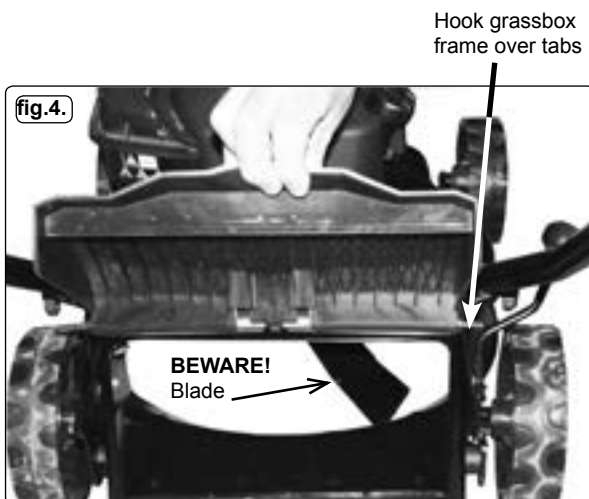
5.3.2. To remove the blade, hold the blade with a gloved hand and undo the centre bolt with a 14mm spanner, see fig.6.

WARNING! If fuel remains in the tank, tilting of the mower may cause fuel leaks.

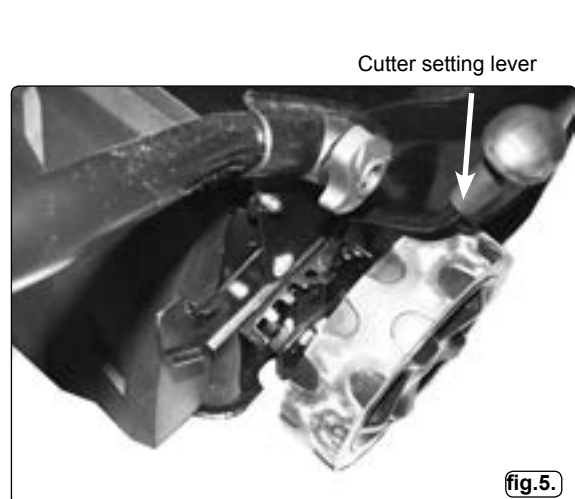
5.3.3. To refit or change the blade, hold the blade in a gloved hand and tighten the centre bolt (30Nm).

NOTE: The blade must be fitted observing the stamped arrow, fig.6. The retaining screw has a standard RH thread.

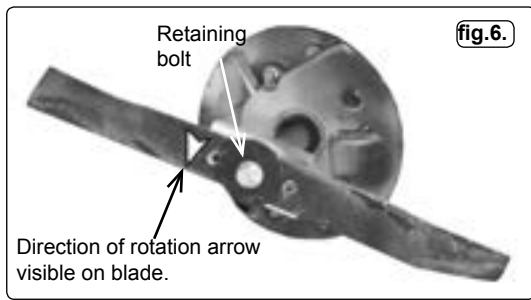
WARNING! Never use blades other than the spares supplied by your Sealey Dealer.



Lift the stone guard hinged panel to fit grass box.



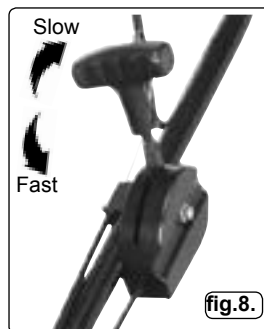
Adjust cutter height



6. OPERATION

NOTE: This appliance is not intended for use by 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 that they do not play with the appliance.

- **WARNING: DANGER!** Refuel engine outdoors only, using a funnel. If fuel is spilled, move the mower away avoiding creating any source of ignition until the fuel is evaporated and dispersed. Never remove the fuel cap or add fuel while the engine is running or engine is hot. Replace fuel caps immediately and securely.
- x **DO NOT** operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- x **DO NOT** run with mower.
- x **DO NOT** mow slopes greater than 20°.
- x **DO NOT** adjust any settings, links, cables etc..
- x **DO NOT** Pick up the mower with engine running.
- ✓ The operator or user is responsible for accidents or hazards occurring to other people or their property.
- 6.1 With the instructions to this stage read, the mower assembled, assembly integrity inspected, cutter height set, fuel tank filled and oil level checked the engine is ready to be started. For engine running see separate instructions.
- 6.2. The mower engine will only start with the throttle safety lever gripped against the upper handle frame with one hand (fig.7), leaving the other hand free to pull the recoil cord handle (item 8). The mower cutter face must be down on a flat surface with no obstacles, stone guard down or grassbox fitted. Pump fuel primer three times. See the engine manufacturers' manual for pull cord starting.
- 6.3. With the motor running at full speed, adjust the speed of the cutting blade (fig.8) to suit and mowing the lawn can proceed.
- 6.4. Release your grip on the throttle lever to stop the motor. The blade will rotate for a few seconds after the motor has stopped.
- 6.5. If leaving unattended, disconnect spark plug lead. If finished using, disconnect spark plug lead and go to section 5 for maintenance and cleaning.



7. MAINTENANCE

- **WARNING** If fuel remains in the tank, tilting of the mower may cause fuel leaks. Avoid fuel leaks on plastic and rubber parts.
- 7.1. **Maintenance**
 - 7.1.1. Ensure all fixings are tight and secure.
 - 7.1.2. Replace any damaged or worn parts immediately.
 - 7.1.3. Check blade during and after each use, see section 3.3.2. for removal. Blade symmetry is essential for balance.
 - 7.1.4. Check the cable clip and cable run, especially the throttle cable for fraying.
 - 7.1.5. Check the pull cord for wear and retaining handle knot integrity.
 - 7.1.6. Check the stone guard and grass box for integrity.
 - 7.1.7. There are no customer serviceable parts other than the blades and frame fixings, use qualified service personnel for all other aspects of maintenance.
 - 7.1.8. If the fuel tank has to be drained, this should be done outside and the engine should be cool.
- 7.2. **Cleaning**
 - **WARNING** If fuel remains in the tank, tilting of the mower may cause fuel leaks.
 - 7.2.1. After each use, clear accumulated grass cuttings from inside cutter deck. **DO NOT** allow the grass to dry on the mower. **Note!** Inside cutter deck will lose the protection of the paint finish over time. Use a rust resistant paint to repair.
 - 7.2.2. Clear any accumulated grass cuttings from the area of the engine, with caution around finely balanced springs and linkages.
 - 7.2.3. Clean any grass cuttings from the wheels and bell crank axles.
 - 7.2.4. Clean the mower externally before storing with special attention to grass box woven mesh, which could affect airflow and grass collection rate.

8. WARNING SYMBOLS

The mower should be used with due care. Symbols placed strategically on various parts of the machine reminds the user of the main precautions to be taken at point of operation. Symbols and meanings are listed below. These meanings also add emphasis to the safety regulations and safety information given in earlier sections of these instructions. Some warnings in the instructions may appear more than once.



Keep others away at least 10 metres.



Warning! Danger!



Caution, blade will continue to rotate after the motor has been switched off.



Keep others away from the danger area.



DO NOT leave device in the rain.
DO NOT work in the rain



Caution, rotating blade. Keep feet and hands away.

7. TROUBLESHOOTING

FAULT	POSSIBLE CAUSE	CORRECTIVE ACTION
Engine does not start.	Throttle settings Empty fuel tank Spark plug gap is incorrect Spark plug loose or defective HT lead loose or disconnected Carburetor is flooded with fuel Air filter element is clogged Faulty ignition module	Contact Authorised Service Agent Refill with grade 95RON non leaded petrol Gap required to be 0.7mm to 0.8mm Remove plug, clean, refit or replace (torque 20Nm) Check HT lead connected correctly Remove air filter element and pull recoil cord continuously until the carburetor clears. Replace filter. Fit new filter element. Contact Authorised Service Agent
Engine difficult to start or runs erratically, loses power, poor idling	Contaminated fuel Vent hole blocked in filler cap Air filter element clogged Defective spark plug or gap is incorrect Air way slots in motor shroud are blocked, cooling fins and air passages under engine blower housing are blocked.	Drain fuel tank and clean. Refill with fresh fuel. Clean and refit. Fit new filter element. Remove plug, set gap refit or fit new plug (torque 20Nm) Remove debris from associated parts and improve cleaning regime.
Engine skips at full speed	Spark plug gap too close	Gap required to be 0.7mm to 0.8mm.
Engine overheats	Cooling air flow is restricted Incorrect spark plug fitted	Remove debris from all cooling air flow passages and improve cleaning and maintenance regime. Fit new correct spark plug with correct gap.
Mower vibrates abnormally	Blade fixing has worked loose Blade is damaged affecting symmetry	Stop engine immediately. Tighten blade, tightening torque approximately 30Nm. Repair to have equal form and weight about the centre bolt or replace with a genuine spare part.
Poor grass collection	Blade condition Grass box full Airflow interrupted Engine not running at full speed with no load	If damaged repair or replace. Note! Maintenance of the blade is best done by a specialist with the appropriate tools. Wear tough gloves when removing or fitting. Empty grassbox. Clear accumulated grass from all areas including cutter deck and engine vent slots. This can only be checked/repared by qualified personnel, contact Authorised Service Agent.
	SEE ALSO ENGINE MANUFACTURERS MANUAL	



Environmental Protection.

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.



WEEE Regulations.

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment. When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to www.sealey.co.uk, email sales@sealey.co.uk or telephone 01284 757500.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.



Sole UK Distributor, Sealey Group,
Kempson Way, Suffolk Business Park,
Bury St. Edmunds, Suffolk,
IP32 7AR

