

Operator's manual Manuel d'utilisation
Gebruiksaanwijzing Istruzioni per l'uso
Manual de instrucciones Bedienungsanweisung
Instruções para o uso Οδηγίες χρήσεως

LB448S
LB548S e



Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

Lire attentivement et bien assimiler le manuel d'utilisation avant d'utiliser la machine.

Neem de gebruiksaanwijzing grondig door en gebruik de machine niet voor u alles duidelijk heeft begrepen.

Prima di usare la macchina, leggere per intero le istruzioni per l'uso e accertarsi di averne compreso il contenuto.

Lea detenidamente el manual de instrucciones y asegúrese de entender su contenido antes de utilizar la máquina.

Lesen Sie die Bedienungsanweisung sorgfältig durch und machen Sie sich mit dem Inhalt vertraut, bevor Sie das Gerät benutzen.

Leia as instruções para o uso com toda a atenção e compreenda o seu conteúdo antes de fazer uso da máquina.

Διαβάστε προσεκτικά τις Οδηγίες χρήσεως και κατανοήστε το περιεχόμενο πριν χρησιμοποιήσετε το μηχάνημα.

EN 2-18
FR 19-35
NL 36-52
IT 53-69
ES 70-86
DE 87-103
PT 104-120
GR 121-137

KEY TO SYMBOLS

Symbols on the machine:

WARNING! The machine can be a dangerous tool if used incorrectly or carelessly, which can cause serious or fatal injury to the operator or others.



Please read the operator's manual carefully and make sure you understand the instructions before using the machine.



Watch out for thrown objects and ricochets.



Keep people and animals well away from the working area.



Prevent unintentional starting by removing the ignition cable from the spark plug.



Warning: rotating cutter. Keep hands and feet clear.



Make sure that your hands and feet do not come near the cutting attachment when the engine is running.



This product is in accordance with applicable EC directives.



Noise emission to the environment according to the European Community's Directive. The machine's emission is specified in the Technical data chapter and on the label.



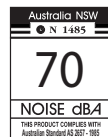
For Australia and New Zealand only.

Never place your hands or feet close to or under the body when the machine is in operation.



For Australia and New Zealand only.

Sound pressure level at the bystander's position.



Explanation of warning levels

The warnings are graded in three levels.

WARNING!



WARNING! Used if there is a risk of serious injury or death for the operator or damage to the surroundings if the instructions in the manual are not followed.

CAUTION!



CAUTION! Used if there is a risk of injury to the operator or damage to the surroundings if the instructions in the manual are not followed.

NOTICE!

NOTICE! Used if there is a risk of damage to materials or the machine if the instructions in the manual are not followed.

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PRESENTATION

Dear Customer,

Congratulations on your choice to buy a Husqvarna product! Husqvarna is based on a tradition that dates back to 1689, when the Swedish King Karl XI ordered the construction of a factory on the banks of the Husqvarna River, for production of muskets. The location was logical, since water power was harnessed from the Husqvarna River to create the water-powered plant. During the more than 300 years in existence, the Husqvarna factory has produced a lot of different products, from wood stoves to modern kitchen appliances, sewing machines, bicycles, motorcycles etc. In 1956, the first motor driven lawn mowers appeared, followed by chain saws in 1959, and it is within this area Husqvarna is working today.

Today Husqvarna is one of the leading manufacturers in the world of forest and garden products, with quality as our highest priority. The business concept is to develop, manufacture and market motor-driven products for forestry and gardening, as well as for the building and construction industry. Husqvarna's aim is also to be at the front edge for ergonomics, usability, security and environmental protection. That is the reason why we have developed many different features to add to our products within these areas.

We are convinced that you will appreciate with great satisfaction the quality and performance of our product for a very long time to come. The purchase of one of our products gives you access to professional help with repairs and service whenever this may be necessary. If the retailer who sells your machine is not one of our authorised dealers, ask for the address of your nearest service workshop.

It is our wish that you will be satisfied with your product and that it will be your companion for a long time. Think of this operator's manual as a valuable document. By following its content (usage, service, maintenance, etc), the life span and the second-hand value of the machine can be extended. If you sell this machine, make sure that the operator's manual is passed on to the buyer.

Thank you for using a Husqvarna product.

Husqvarna AB has a policy of continuous product development and therefore reserves the right to modify the design and appearance of products without prior notice.

Steps before using a new lawn mower

- Please read the operator's manual carefully.
- Check that the cutting equipment is correctly fitted and adjusted. See instructions under the heading Assembly.
- Fill with fuel and oil in the engine. A container with sufficient oil quantity is supplied with the machine. See the instructions under the heading fuel handling.



WARNING! Under no circumstances may the design of the machine be modified without the permission of the manufacturer. Always use original accessories. Non-authorized modifications and/or accessories can result in serious personal injury or the death of the operator or others.



WARNING! A lawn mower is a dangerous tool if used carelessly or incorrectly and can cause serious, even fatal injuries. It is extremely important that you read and understand the contents of this operator's manual.



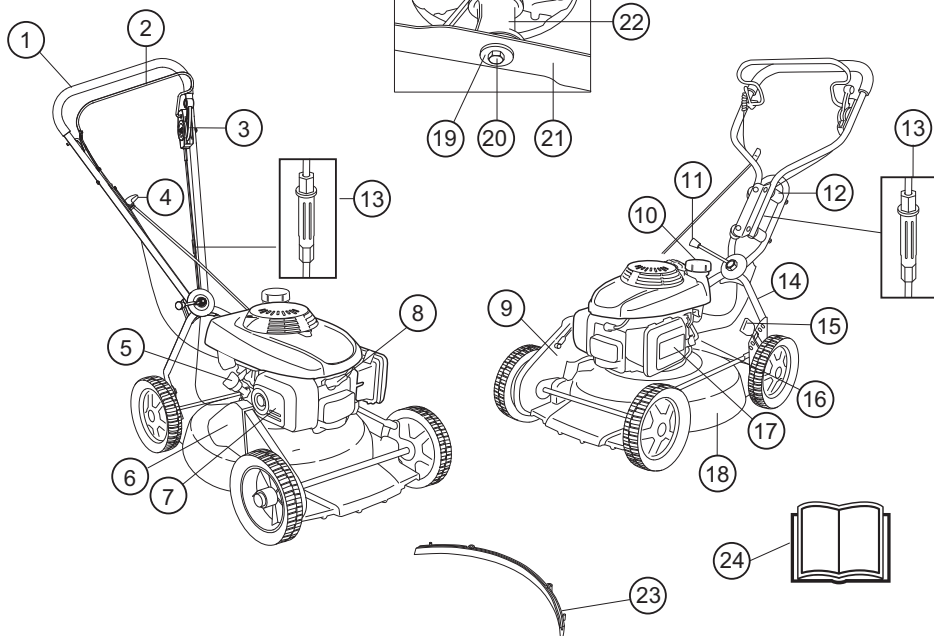
WARNING! Long-term inhalation of the engine's exhaust fumes can represent a health hazard.

Husqvarna AB has a policy of continuous product development and therefore reserves the right to modify the design and appearance of products without prior notice.

WHAT IS WHAT?

LB448S

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What is what on the lawn mower?

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MACHINE'S SAFETY EQUIPMENT

General

This section describes the machine's safety equipment, its purpose, and how checks and maintenance should be carried out to ensure that it operates correctly. See the "What is what?" section to locate where this equipment is positioned on your machine.



WARNING! Never use a machine with faulty safety equipment. The machine's safety equipment must be checked and maintained as described in this section. If your machine fails any of these checks contact your service agent to get it repaired.

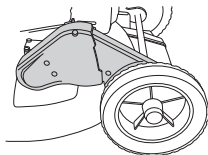


WARNING! Never use a machine that has faulty safety equipment! Carry out the inspection, maintenance and service routines listed in this section.

Cutting cover and protective cover

The cutting cover is designed to reduce vibration and to reduce the risk of cuts. Make sure the cutting cover is not damaged and that there are no visible defects such as cracks.

The protective cover is designed to reduce the risk of crush injuries and to catch a broken drive belt. Check that the protective cover is undamaged and that it is properly secured.

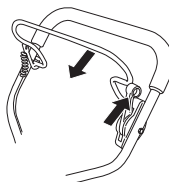


Engine brake handle

The engine brake is designed to stop the engine. When the grip on the engine brake handle is released the engine should stop.

Check the engine brake as follows:

Apply full throttle and then release the brake handle. The engine should stop and the drive should disengage.



The engine brake should always be adjusted so that the engine stops within 3 seconds.

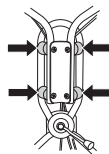
Vibration damping system

Your machine is equipped with a vibration damping system that is designed to minimize vibration and make operation easier.

The handlebar system's steel tube and the cutting cover are designed to minimise the vibrations from the engine.

The machine's vibration damping system reduces the transfer of vibration between the engine unit/cutting equipment and the machine's handle unit.

LB448S This model also has 4 vibration dampers fitted on the handlebar unit to further reduce vibrations.



Check that the handles and vibration damping elements are not damaged.



WARNING! Overexposure to vibration can lead to circulatory damage or nerve damage in people who have impaired circulation. Contact your doctor if you experience symptoms of overexposure to vibration. These symptoms include numbness, loss of feeling, tingling, pricking, pain, loss of strength, changes in skin colour or condition. These symptoms normally appear in the fingers, hands or wrists.

MACHINE'S SAFETY EQUIPMENT

Muffler

The muffler is designed to keep noise levels to a minimum and to direct exhaust fumes away from the user.



WARNING! The exhaust fumes from the engine are hot and may contain sparks which can start a fire. Never start the machine indoors or near combustible material! The muffler gets very hot in use and remains so for a short time afterwards. Do not touch the muffler if it is hot!

Never use a machine that has a faulty muffler.

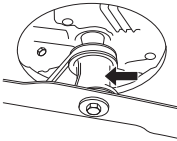
Regularly check that the muffler is securely attached to the machine.

Cutting equipment

Make sure the cutter does not hit foreign objects such as stones, roots or the like. This can make the cutter dull and bend the engine shaft.

Check the cutting attachment for damage or cracks. A damaged cutting attachment should always be replaced. Always ensure the cutter is well ground and balanced correctly.

Also check that the cutter bolt is undamaged and that the engine shaft is not bent.

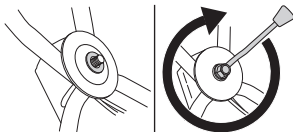


ASSEMBLY

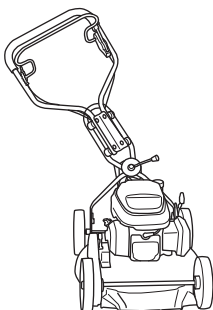
Fitting the handlebar

Take care not to damage the cables and wires when you fold the handlebar.

The upper part of the handlebar is attached with a sturdy handle nut on the baffle plate. Don't forget the washer between the plate and the handle nut.



If necessary, the handle can be turned slightly sideways with the handle joint. The handle can be set to different positions to achieve the best driving position, e.g. when mowing next to hedges or house walls.



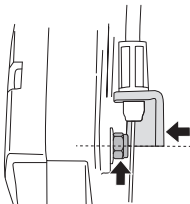
The handle can also be adjusted vertically by turning the wheels by the attachment fitting on the chassis



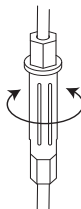
Adjusting the clutch wire

The clutch wire must be adjusted after the first 8 hours of operation and subsequently when necessary.

The wire is properly adjusted when the wire bracket is aligned with the nut.



- Adjust the wire using the adjuster screw. Unscrew the screw clockwise or counter clockwise to extend or shorten the wire.



Dismantling and assembling the cutter



WARNING! Always wear heavy-duty gloves when servicing and maintaining the cutting equipment. The cutters are very sharp and cuts can occur very easily.

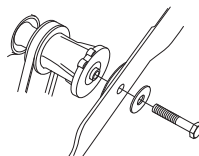
The ignition lead should always be removed from the spark plug before repair, cleaning or maintenance work.

Position the cutter with the spark plug upwards when servicing the machine.

Always empty the fuel tank before you place the lawn mower on its side.

Dismantling

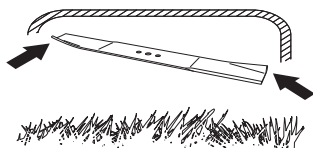
- Unscrew the bolt holding the cutter.
- Remove the bolt, spring washer and cutter.



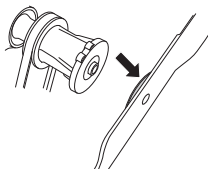
ASSEMBLY

Assembly

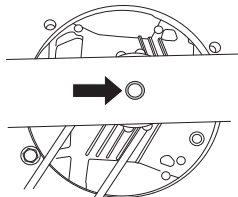
The blade must be mounted with the angled ends pointing up towards the cover.



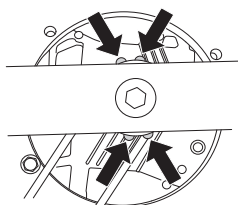
- Place the cutter with the friction washer against the cutter bracket.



- Make sure the cutter centres correctly on the shaft.



- To avoid vibrations, place the mower cutter so that the cutter bracket marking can be seen on the sides of the cutter.



- Fit the washer and tighten the bolt correctly. The bolt should be tightened with a torque of 70 Nm.



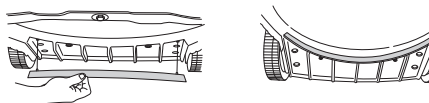
IMPORTANT!

Always exercise care and use your common sense. Avoid all situations which you consider to be beyond your capability. If you still feel uncertain about operating procedures after reading these instructions, you should consult an expert before continuing. Contact an authorised service workshop.

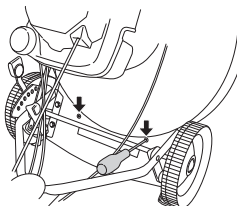
Always use genuine parts. For more information, see the "Technical data" section.

Assembling the mulcher plugs

- Disconnect the HT lead from the spark plug.
- Position the cutter with the spark plug upwards when servicing the machine.
- Fit the leader pins into the holes on the cutting cover.



- Fasten the mulcher plugs from the top of the cutting cover.



FUEL HANDLING

General



WARNING! Running an engine in a confined or badly ventilated area can result in death due to asphyxiation or carbon monoxide poisoning.

Fuel and fuel fumes are highly inflammable and can cause serious injury when inhaled or allowed to come in contact with the skin. For this reason observe caution when handling fuel and make sure there is adequate ventilation.

The exhaust fumes from the engine are hot and may contain sparks which can start a fire. Never start the machine indoors or near combustible material!

Do not smoke and do not place any hot objects in the vicinity of fuel.

Fuel

NOTICE! The machine is equipped with a four-stroke engine. Make sure that there is always sufficient oil in the oil tank.

Petrol

- Use good quality unleaded or leaded petrol.
- The lowest octane recommended is 90 (RON). If you run the engine on a lower octane grade than 90 so-called knocking can occur. This gives rise to a high engine temperature, which can result in serious engine damage.
- Use low-emission petrol, also known as alkylate petrol, if it is available.

Engine oil

NOTICE! Check the oil level before starting the lawn mower. A too low oil level can cause serious damage to the engine.

- See instructions in the section "Maintenance".
- The engine oil should be changed the first time after 5 hours running time. Refer to Technical Data for recommendations on which oil type to use. Never use oil intended for two-stroke engines.

Fueling



WARNING! Always stop the engine and let it cool for a few minutes before refuelling. The engine should be switched off, and the stop switch in STOP position.

Use a petrol can at all times to avoid spillage.

When refuelling, open the fuel cap slowly so that any excess pressure is released gently.

Clean the area around the fuel cap.

Tighten the fuel cap carefully after refuelling. Negligence may lead to the start of a fire.

Move the machine at least 3 m from the refuelling point before starting it.

Never start the machine:

- If you have spilled fuel or engine oil on the machine. Wipe off the spill and allow the remaining fuel to evaporate.
- If you have spilled fuel on yourself or your clothes, change your clothes. Wash any part of your body that has come in contact with fuel. Use soap and water.
- If the machine is leaking fuel. Check regularly for leaks from the fuel cap and fuel lines.

Transport and storage

- Store and transport the machine and fuel so that there is no risk of any leakage or fumes coming into contact with sparks or open flames, for example, from electrical machinery, electric motors, electrical relays/ switches or boilers.
- When storing and transporting fuel always use approved containers intended for this purpose.

Long-term storage

- When storing the machine for long periods the fuel tank must be emptied. Contact your local petrol station to find out where to dispose of excess fuel.

SAFETY INSTRUCTIONS

Personal protection



WARNING! You must use personal protection whenever you use the machine.

- Gloves must be worn when required, for example when fitting, inspecting or cleaning cutting attachments.
- Always wear heavy, long pants. Do not wear shorts, sandals or go barefoot.
- Wear sturdy, non-slip boots or shoes.

Generally clothes should be close-fitting without restricting your freedom of movement.

General safety precautions

This section describes basic safety directions for using the machine. This information is never a substitute for professional skills and experience.

- Please read the operator's manual carefully and make sure you understand the instructions before using the machine.
- Keep in mind that the operator is responsible for accidents or hazards occurring to other people or their property.
- The machine must be kept clean. Signs and stickers must be fully legible.

Always use common sense

It is not possible to cover every conceivable situation you can face. Always exercise care and use your common sense. Avoid all situations which you consider to be beyond your capability. If you still feel uncertain about operating procedures after reading these instructions, you should consult an expert before continuing. Contact your dealer, service agent or an experienced user. Avoid all usage which you consider to be beyond your capability.



WARNING! This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.



WARNING! The machine can be a dangerous tool if used incorrectly or carelessly, which can cause serious or fatal injury to the operator or others.

Never allow children or other persons not trained in the use of the machine to use or service it.

The machine should not be used by people with reduced physical or mental capacities or people who are unsuitable for health reasons to operate the machine, without supervision of a person responsible for their safety.

Never allow anyone else to use the machine without first ensuring that they have read and understood the contents of the operator's manual.

Never use the machine if you are tired, if you have drunk alcohol, or if you are taking medication that could affect your vision, your judgement or your co-ordination.



WARNING! Unauthorized modifications and/or accessories may lead to serious injury or death to the user or others. Under no circumstances may the design of the machine be modified without the permission of the manufacturer.

Do not modify this product or use it if it appears to have been modified by others.

Never use a machine that is faulty. Carry out the safety checks, maintenance and service instructions described in this manual. Some maintenance and service measures must be carried out by trained and qualified specialists. See instructions under the Maintenance heading.

Always use genuine accessories.

SAFETY INSTRUCTIONS

Work area safety

- Branches, twigs, stones, etc. should be removed from the lawn before you start to mow.
- Objects hitting against the cutting attachment could be thrown and cause damage to people and objects. Keep people and animals well away.
- Never use the machine in bad weather, for instance in fog, in rain, damp or in wet locations, strong winds, intense cold, risk of lightning, etc. Working in bad weather is tiring and can lead to dangerous conditions, e.g. slippery surfaces.
- Observe your surroundings to ensure that nothing can affect your control of the machine.
- Beware of roots, stones, twigs, pits, ditches etc. Tall grass can hide obstacles.
- Mowing slopes can be dangerous. Do not use the lawn mower on very steep slopes. The lawn mower should not be used on inclines greater than 15 degrees.
- On sloping ground you should work along the slope. It is much easier to work along a slope than it is to work up and down it.
- Be careful when you are approaching hidden corners and objects that could block your view.

Work safety

- A lawn mower is only designed to mow lawns. All other use is forbidden.
- Wear personal protective equipment. See instructions under the "Personal protective equipment" heading.
- Do not start a lawn mower unless the cutter and all covers are fitted correctly. Otherwise the cutter could come loose and cause personal injuries.
- Make sure the cutter does not hit foreign objects such as stones, roots or the like. This can make the cutter dull and bend the engine shaft. A bent axle gives imbalance and heavy vibration, which results in a great risk of the cutter becoming loose.
- The brake handle must never be permanently anchored in handle when the machine is running.
- Place the lawn mower on firm, flat surface and start it. Make sure that the cutter cannot come into contact with the ground or other objects.
- Always place yourself behind the machine. Allow all the wheels to remain on the ground and keep both hands on the handle when mowing. Keep your hands and feet away from the rotating blades.
- Do not tilt the machine when the engine is running.
- Walk with the machine, do not run.
- Pay particular attention when pulling the machine towards you during work.
- Never lift up the lawn mower or carry it around when the engine is running. If you must lift the lawn mower,

first switch off the engine and disconnect the ignition lead from the spark plug.

- Do not mow the lawn while walking backwards.
- The engine should be switched off when moving over ground that is not to be mowed. For example, gravel paths, stone, shingle, asphalt, etc.
- Shut down the engine before changing the cutting height. Never make adjustments with the engine running.
- Never leave the machine unsupervised with the motor running. Turn off the motor. Ensure the cutting attachment has stopped rotating.
- If any foreign object is hit or if vibrations occur stop the machine immediately. Disconnect the HT lead from the spark plug. Check that the machine is not damaged. Repair any damage.

Basic working techniques

- Always cut with a sharp blade for optimal results. A dull blade gives an uneven cut and the grass becomes yellow on the surface of the cut.
- Never mow more than 1/3 of the length of the grass. This especially applies during dry periods. Mow first with the cutting height set high. Then check the result and lower to an appropriate height. If the grass is really long, drive slowly and mow twice if necessary.
- Cut in different directions each time in order to avoid stripes in the lawn.
- Before pulling the machine towards you, disengage the drive and push the machine forward approx. 10 cm.
- Make sure to disengage the drive when approaching an obstacle.

Transport and storage

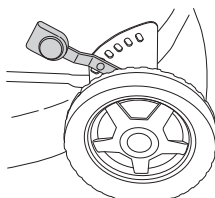
- Secure the equipment during transportation in order to avoid transport damage and accidents.
- Store the equipment in a lockable area so that it is out of reach of children and unauthorized persons.
- Store the machine and its equipment in a dry and frost proof place.
- For transport and storage of fuel, see the section "Fuel handling".

OPERATING

Adjusting the cutting height

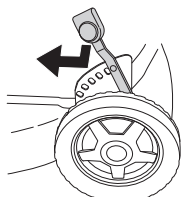
IMPORTANT! Shut down the engine before changing the cutting height.

The cutting height adjustment is spring assisted. The cutting height can be adjusted in 6 different steps.

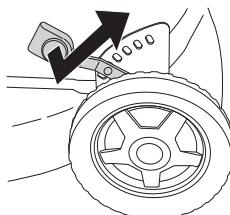


Do not set the cutting height too low as there is a risk that the cutters might hit ground with unevenness.

- To raise the cutting height move the lever to the left and then forward.



- To lower the cutting height move the lever to the left and then backward.



Starting and stopping



WARNING! Note the following before starting:

Do not start a lawn mower unless the cutter and all covers are fitted correctly. Otherwise the cutter could come loose and cause personal injuries.

Always move the machine away from the refuelling area and source before starting.

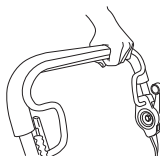
Place the machine on a flat surface. Ensure the cutting attachment cannot come into contact with any object.

Keep people and animals well away from the working area.

Ensure the ignition lead sits correctly on the spark plug.

Starting

- Open the fuel tap.
- Pull the engine brake handle against the upper handlebar with your left hand.

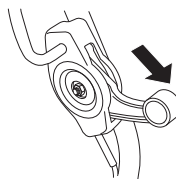


- Grip the starter handle, slowly pull out the cord with your right hand until you feel some resistance (the starter pawls grip), now quickly and powerfully pull the cord. **Never twist the starter cord around your hand.**

CAUTION! Do not pull the starter cord all the way out and do not let go of the starter handle when the cord is fully extended. This can damage the machine.

Drive

To engage the drive, push the clutch lever forwards.



Stopping

- Stop the engine by releasing the engine brake handle. The drive is also disengaged when you release the brake handle. By releasing the brake lever a bit only the drive will be disengaged.
- Close the fuel tap.

MAINTENANCE

Maintenance



WARNING! Make sure the cutting attachment has stopped before cleaning, carrying out repairs or an inspection. Disconnect the spark plug cap from the spark plug.

Note that the drive belts will set during the first running-in period (5h) and it might be necessary to adjust the tension. See instructions:

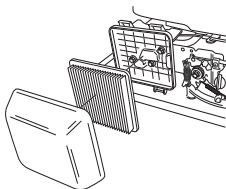
Air filter

The air filter must be regularly cleaned to remove dust and dirt in order to avoid:

- Carburettor malfunctions.
- Starting problems.
- Loss of engine power.
- Unnecessary wear to engine parts.
- Excessive fuel consumption.

Clean the air filter daily, or more often in demanding conditions.

The air filter is dismantled once the air filter cover has been lifted off. Press in the catches on the top of the air filter cover and lower the cover.



Remove the air filter and check that it is undamaged. Replace with a new air filter if you believe it to be defective.

Clean the filter by knocking the filter carefully against a hard surface and blowing with compressed air from inside. Never brush the dirt away. Replace the air filter if it is very dirty.

An air filter that has been in use for a long time cannot be cleaned completely. The filter must therefore be replaced with a new one at regular intervals. **A damaged air filter must always be replaced.**

When reassembling, make sure that the filter completely seals against the filter holder.

Spark plug



WARNING! The muffler gets very hot in use and remains so for a short time afterwards. Do not touch the muffler if it is hot!

If the machine is low on power, difficult to start or runs poorly at idle speed: always check the spark plug first before taking any further action. If the spark plug is dirty, clean it and check that the electrode gap is 0.7-0.8 mm. The spark plug should be replaced after about a month in operation or earlier if necessary.

CAUTION! Always use the recommended spark plug type! Use of the wrong spark plug can damage the piston/cylinder.

Muffler

The muffler is designed to reduce the noise level and to direct the exhaust gases away from the operator. The exhaust gases are hot and can contain sparks, which may cause fire if directed against dry and combustible material.

Regularly check that the muffler is securely attached to the machine. Never use a machine that has a faulty muffler.

Cutter



WARNING! Always wear heavy-duty gloves when repairing the cutting attachment. The blades are very sharp and can easily cause cuts.

It is important to have a sharp and correctly balanced cutter. Loosen the bolt holding the cutter and leave the cutter at a service workshop at least once a year for grinding and balancing. An appropriate time to do this is after the mowing season has finished.

If the cutter or cutter bracket need to be changed you must replace the cutter bolt, washer and friction washer at the same time.

The bolt should be tightened with a torque of 45-60 Nm when you fit the cutter again. See instructions under the heading Assembly.

If the cutter hits foreign objects such as stones, roots or the like the cutter will slip against the cutter bracket. This may mean that the contact surface of the cutter bracket appears slightly worn, which is completely normal. This is a safety device, which reduces the risk of the engine shaft becoming bent.

MAINTENANCE

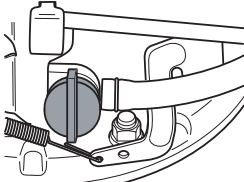
Changing the oil

The engine oil should be changed the first time after 5 hours running time.

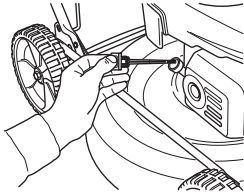
The engine oil should be changed each year and every 25 working hours.

When changing the oil proceed as follows::

- Disconnect the HT lead from the spark plug.
- Empty the fuel tank.
- Close the fuel tap.

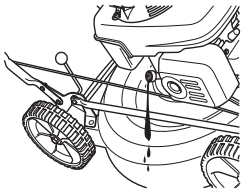


- Unscrew the oil filler cap.

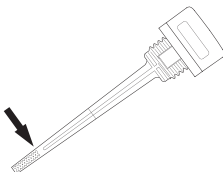


Place a suitable vessel to collect the oil in.

- Drain the oil by tipping the engine so that the oil runs out through the filler pipe.



- Ask where you can dispose of surplus engine oil at your local petrol station.
- Fill with new engine oil of a good quality. See the Technical data section.
- Now insert the dipstick again, **without tightening it**. Check the oil level with the dipstick on the oil filler cap. If the oil level is low, fill using engine oil up to the upper level on the dipstick.

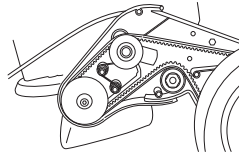


- Screw on the oil filler cap.

Drive and gearbox

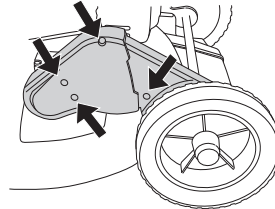
Ensure the wheels and wheel axles are clean and free from leaves, grass, etc. It is also important to keep clean around the drive gearbox.

- Remove the protective cover by unscrewing the screws.
- Clean the gearbox with a brush. Also check that the drive belt and belt pulley are undamaged, for example, no cracks.

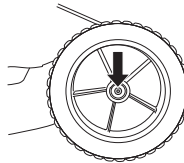


Replacing and adjusting the V-belt

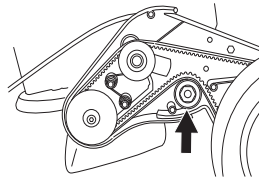
- Remove the protective cover by unscrewing the screws.



- Remove the hubcap from the front wheel by the gearbox, prize carefully with a screwdriver. Unscrew the carriage bolt and remove the wheel.

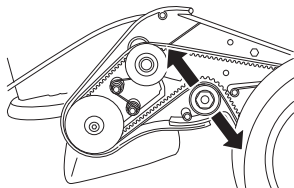


- Remove the belt from the deck belt pulley. Check that the deck belt pulleys move easily on the axle, spray with penetrating oil between and behind the pulleys and grease the axle.
- Fit the new belt and make sure it fits correctly by the ball-bearing before adjusting the belt.



MAINTENANCE

- Adjust the belt by moving the ball-bearing up or down.

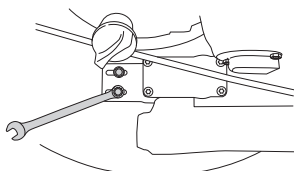


- A new belt stretches and becomes longer, so adjust the belt again after a few hours of operation.
- Screw on the belt cover and test run the machine.

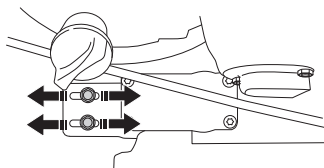
Replacing and adjusting the centre belt

The centre belt runs between the engine shaft and the gearbox.

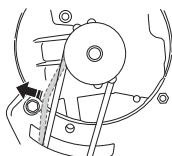
- Remove the cutter. (only when replacing belt)
- Unscrew the adjuster screws a few turns.



- Replace the belt with a new one and tighten the adjustment screws a little. (only when replacing belt)
- Adjust the belt by moving the gear forwards or backwards.



- The belt should be stretched so that it can move 6-10mm in the centre. That corresponds to a pull of approx. 3 kg. Use a fishing scale to check.



- Tighten the adjustment screws properly. (3 Nm)
- Check the drive operation, as adjustment of the gear affects the belt tension in the gearbox.

Cleaning

Do not use a high pressure washer to clean the machine. Never flush water directly on the engine.

When cleaning under the cutting deck, turn the machine with the spark plug upwards. Empty the fuel tank.

Trouble shooting

If the engine does not start, check the following:

- Replace the fuel with new, clean fuel.
- Check that the fuel valve is open.
- Check that the engine brake works correctly and is undamaged.
- Clean the spark plug. Check that the electrode gap is 0.7-0.8 mm.
- Check the airfilter and clean it when it's necessary.
- If the engine does not start after taking these actions, contact the nearest authorised service agent.
- If the cutting result is not satisfactory and the grass straws are fuzzy on the cut face, replace the cutter.

Below you will find some general maintenance instructions.

Daily maintenance

- 1 Check that the engine brake handle works safely.
- 2 Brush leaves, grass and the like off of the lawn mower.
- 3 Clean the air intake on the starter. Check the starter and starter cord.
- 4 Check the oil level.
- 5 Clean the air filter. Replace if necessary.
- 6 Check that nuts and screws are tight.
- 7 Check the cutting attachment. Never use blades that are dull, cracked or damaged.

Weekly maintenance

- 1 Clean the spark plug. Check that the electrode gap is 0.7-0.8 mm.
- 2 Clean the cooling fins on the cylinder.

Monthly maintenance

- 1 Check that drive belt is not damaged and is not visibly defective.
- 2 Clean the gearbox.
- 3 Check the fuel filter and the fuel hose. Replace if necessary.
- 4 Clean the inside of the fuel tank.
- 5 Lubricate the drive control.
- 6 Change the engine oil.
- 7 Inspect the clutch wire. See instructions under the heading Assembly.

TECHNICAL DATA

Technical data

| | LB448S | LB548S e |
|---|---|---|
| Engine | | |
| Engine manufacturer | Honda | Honda |
| Cylinder displacement, cm ³ | 160 | 160 |
| Speed, rpm | 2900 | 2900 |
| Nominal engine output, kW (see note 1) | 2,8 | 2,8 |
| Ignition system | | |
| Spark plug | NGK - BPR5ES | NGK - BPR5ES |
| Electrode gap, mm | 0,7 - 0,8 | 0,7 - 0,8 |
| Fuel and lubrication system | | |
| Fuel tank capacity, litre | 0,9 | 0,9 |
| Oil tank capacity, litre | 0,55 | 0,55 |
| Engine oil | Service classification SG - SH; SAE 10W -30 | Service classification SG - SH; SAE 10W -30 |
| Weight | | |
| Lawn mower with empty tanks, kg | 31 | 33 |
| Noise emissions (see note 2) | | |
| Sound power level, measured dB (A) | 92 | 90 |
| Sound power level, guaranteed dB(A) | 93 | 92 |
| Sound power level, guaranteed dB(A) For Australia and New Zealand only (see note 3) | 70 | 70 |
| Sound level (see note 4) | | |
| Sound pressure level at the operators ear, dB(A) | 79 | 77 |
| Vibration levels (see note 5) | | |
| Vibration levels on the handles, m/s ² | 4,5 | 4,8 |
| Cutting equipment | | |
| Cutting system | BioClip | BioClip |
| Cutting height | 30-60 | 30-60 |
| Cutting width, mm | 48 | 48 |
| Cutter | Mulcher, 48 cm | Mulcher, 48 cm |
| Article number | 5028813-10 | 5028813-10 |
| Drive | | |
| Speed, km/h | 4,5 | 4,5 |

Note 1: The power rating of the engine indicated is the average net output (at specified rpm) of a typical production engine for the engine model measured to SAE standard J1349/ISO1585. Mass production engines may differ from this value. Actual power output for the engine installed on the final machine will depend on the operating speed, environmental conditions and other values. Note 2: Noise emissions in the environment measured as sound power (L_{WA}) in conformity with EC directive 2000/14/EC. Note 3: Measured according to Australian Standard AS 3534 Note 4: Noise pressure level according to EN ISO 5395. Reported data for noise pressure level has a typical statistical dispersion (standard deviation) of 1.2 dB(A). Note 5: Vibration level according to EN ISO 5395. Reported data for vibration level has a typical statistical dispersion (standard deviation) of 0.2 m/s² (steering wheel) and 0.8 m/s² (seat).

TECHNICAL DATA

EC Declaration of Conformity

(Applies to Europe only)

Husqvarna AB, SE-561 82 Huskvarna, Sweden, tel: +46-36-146500, declares under sole responsibility that the lawn mowers **Husqvarna LB448S and LB548S e** from the serial numbers 15XXXXXX and onwards comply with the requirements of the COUNCIL'S DIRECTIVE:

of May 17, 2006 "relating to machinery" **2006/42/EC**.

of February 26, 2014 "relating to electromagnetic compatibility" **2014/30/EU**.

of May 8, 2000 "relating to the noise emissions in the environment" **2000/14/EC**.

For information relating to noise emissions, see the Technical data chapter.

The following standards have been applied: ISO 5395, ISO 11094, EN 55012.

Notified body: **0404, SMP Svensk Maskinprovning AB**, Box 7035, SE-750 07 Uppsala, has issued reports regarding the assessment of conformity according to annex VI of the COUNCIL'S DIRECTIVE of May 8, 2000 "relating to the noise emissions in the environment" 2000/14/EC.

Huskvarna 6 July 2015.



Claes Losdal, Development Manager/Garden Products

(Authorized representative for Husqvarna AB and responsible for technical documentation.)