Please Read These Instructions Before Using Your Mower

Mountfield

Operating Instructions

for models
HP414 & SP414 Lawnmowers
with RS 100 engine



Product Codes: 297411043/BQ 297412043/BQ

Do not return this product to store, please call the Service Link Helpline

Products with petrol in cannot be accepted back in store



www.servicelink.org.uk

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Thank you for purchasing a Mountfield lawnmower. This machine will give you many years of safe and reliable service if operated in accordance with these instructions. Please read and understand these Operating Instructions before using your mower. Failure to do so could result in personal injury or damage to the equipment.



NEVER TIP THE MOWER ON ITS SIDE AS THIS WILL FLOOD THE AIR FILTER WITH OIL.To access the underside, lift the front wheels by lowering the handle until it rests on the ground.

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SAFETY PRECAUTIONS

Your lawnmower should be used with due care and attention. Symbols have therefore been placed on various parts of the machine to remind you of the main precautions to be taken. Their meaning is explained below. You are also asked to carefully read the safety regulations in the applicable chapter of this handbook



- 1. Warning: Read the instructions manual before using the machine.
- **2. Beware of thrown objects:** Keep other people at a safe distance whilst working.
- **3. Beware of cutting:** Moving blades. Do not put hands or feet near the blades. Disconnect the spark plug before carrying out any repairs or maintenance.

DESCRIPTION OF SYMBOLS ON CONTROLS (where foreseen)

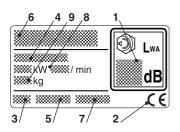


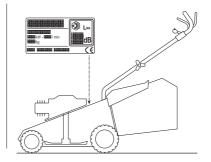
11. Engine stop 12. Drive on

Maximum noise and vibration levels

Operator's ear noise pressure level Measurement uncertainty	. , ,
Measured acoustic output level Measurement uncertainty	
Guaranteed acoustic output level	db(A) 96
Vibration level Measurement uncertainty	

IDENTIFICATION LABEL

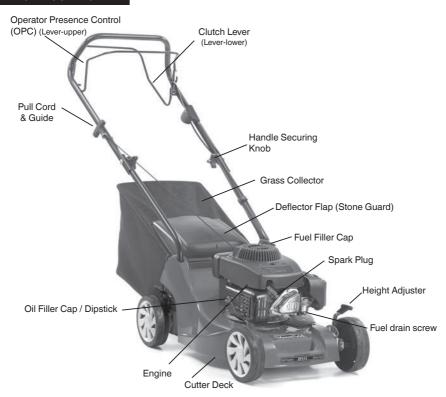




- 1. Acoustic power level according to directive 2000/14/EC
- 2. Conformity mark according to directive 2006/42/EC
- 3. Year of manufacture
- 4. Type of lawnmower
- 5. Serial number
- 6. Name and address of manufacturer
- 7. Article code
- 8. Engine power and speed
- 9. Weight in kilograms

As soon as you have purchased the machine, do not forget to write the identification numbers (3-4-5-7) in the spaces on the last page of the manual.

KNOW YOUR MOWER



The following safety precautions must be observed at all times. Please read them carefully.

TRAINING

- Read the instructions carefully. Get familiar with the controls and proper use of the equipment. Learn how to stop the engine quickly
- 2) Only use the lawnmower for the purpose for which it was designed, i.e. for cutting and collecting grass. Any other use can be hazardous, causing damage to the machine. Examples of improper use may include, but are not limited to:
 - transport of people, children or animals on the machine;
 - being transported by the machine;
 - using the machine to tow or push loads;
 - using the machine for leaf or debris collection;
 - using the machine to trim hedges, or for cutting vegetation other than grass;
 - use of the machine by more than one person;
 - using the blade on surfaces other than grass.
- Never allow children or people unfamiliar with these instructions to use the lawnmower. Local regulations may restrict the age of the operator.
- 4) Never use the lawnmower:
 - When people, especially children, or pets are nearby.
 - If the operator has taken medicine or substances that can affect his ability to react and concentrate.
- Remember that the operator or user is responsible for accidents or hazards occurring to other people or their property.

PREPARATION

- While mowing, always wear sturdy footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- 2) Thoroughly inspect the area where the equipment is to be used and remove all objects which may be thrown by the machine or damage the cutter assembly and the engine (stones, sticks, metal wire, bones, etc.)
- 3) WARNING: DANGER! Engine fuel is highly flammable:
 - Store fuel in containers specifically designed for this purpose.
 - Refuel using a funnel and outdoors only. Do not smoke while refuelling or whenever handling the fuel
 - Add fuel before starting the engine. Never remove the cap of the fuel tank or add fuel while the engine is running
 or when the engine is hot.
 - If fuel is spilt, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until the fuel has evaporated and the vapour dispersed.
 - Replace all fuel tanks and containers caps securely.
- 4) Substitute faulty silencers. Never use the machine without silencer.
- 5) Before use, always inspect the machine, especially the condition of the blades, and check that the screws and cutting assembly are not worn or damaged. Replace worn or damaged blades and screws in sets to preserve balance.
- 6) Before moving, attach the discharge opening guards (grass-catcher or stone-guard).

OPERATION

- 1) Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- 2) Mow only in daylight or good artificial light.
- 3) If possible, avoid operating the equipment in wet grass.
- 4) Always be sure of your footing on slopes.
- 5) Walk, never run and do not allow yourself to be pulled along by the lawnmower.
- 6) Mow across the face of slopes, never up and down.
- 7) Exercise extreme caution when changing direction on slopes...
- 8) Do not mow on slopes of more than 20°.
- 9) Exercise extreme caution when pulling the lawnmower towards you
- 10) Stop the blade if the lawnmower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the lawnmower to and from the area to be mowed.
- 11) Never operate the lawnmower with defective guards, or without safety devices, such as the stone-guard and/or grass-catcher, in place.
- 12) Do not change the engine governor settings or overspeed the engine.

- 13) On power-driven models, disengage the drive clutch before starting the engine.
- 14) Start the engine carefully, following the instructions and keeping feet well away from the blade.
- 15) Do not tilt the lawnmower when starting the engine. Start the engine on a flat surface that is free of obstacles and tall grass
- 16) Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- 17) Never pick up or carry a lawnmower while the engine is running.
- 18) Stop the engine and disconnect the spark plug wire:
 - Before carrying out any work underneath the cutting deck or before unclogging the chute;
 - Before checking, cleaning or working on lawnmower;
 - After striking a foreign object. Inspect the lawnmower for damage and make repairs before restarting and operating the lawnmower;
 - If the lawnmower begins to abnormally vibrate (Immediatly look for the cause of the vibrations and contact your local Dealer).

19) Stop the engine:

- Whenever you leave the lawnmower unattended. Remove the key from models with electric starters.
- Before refuelling.
- Every time you remove or replace the grass-catcher.
- Before adjusting the grass cutting height.
- 20) Reduce the throttle before turning off the engine and turn the fuel off when you have finished mowing, following the instructions in the engine handbook.
- 21) When mowing, always keep to a safe distance from the rotating blade. This distance is the length of the handle.

MAINTENANCE AND STORAGE

- Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition. Regular maintenance is essential for safety and performance.
- Never store the equipment with fuel in the tank inside a building where vapour may reach a flame or a spark or a source of extreme heat.
- 3) Allow the engine to cool before storing in an enclosed space.
- 4) To reduce the fire hazard, keep the engine, exhaust silencer, battery compartment and fuel storage area free of grass, leaves, or excessive grease. Do not leave containers with grass cuttings in rooms.
- 5) Check the stone-guard and grass-catcher frequently for wear and deterioration.
- 6) If the fuel tank has to be drained, this should be done outdoors and when the engine is cool.
- 7) Wear strong work gloves when removing and reassembling the blade.
- 8) Keep the blade balanced during sharpening. All operations on the blade (dismantling, sharpening, balancing, remounting and/or replacing) require a certain familiarity and special tools. For safety reasons, these jobs are best carried out at a specialized centre.
- 9) For safety reasons, never use the machine when it has worn or damaged parts. Parts are to be replaced and not repaired. Use genuine spare parts. Parts that are not of the same quality can damage the equipment and impair your safety.
- 10) If the machine is not going to be used for 28 days or more please drain all fuel from the machine. Stale fuel can cause damage to the carburettor.

TRANSPORTATION AND HANDLING

- 1) Whenever the machine is to be handled, raised, transported or tilted you must:
 - wear strong working gloves;
 - grasp the machine at the points that offer a safe grip, taking account of the weight and its distribution.
 - use an appropriate number of people for the weight of the machine and the characteristics of the vehicle or the place where it has to be placed or collected.
- 2) During transport, fasten the machine securely with ropes or chains.

HOW TO GET MOWING

Your Mountfield lawnmower does not contain petrol or oil and these must be added before use.

Running the mower with insufficient oil can cause serious damage to the engine and will invalidate your warranty.



NEVER TIP THE MOWER ONTO ITS SIDE AS THIS WILL FLOOD THE AIR FILTER WITH OIL.

To access the underside of the machine lift the front wheels by lowering the handle to the ground.

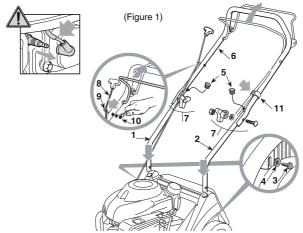
Carefully remove the mower from the carton and read these Operating Instructions. An Owner's Manual for the engine is also included. Please read this before starting the engine.



WARNING - Unpacking and completing the assembly should be done on a flat and stable surface, with enough space for machine handling and its packaging, always making use of suitable equipment. Disposal of the packaging should be done in accordance with the local regulations in force

HANDLE ASSEMBLY (Figure 1)

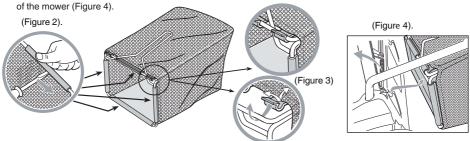
- Insert the lower parts of the handle (1) and (2) into the respective holes and fasten them in place using the screws (3) and the washers (4) supplied. Apply the two caps (5) to the ends of the two lower parts of the handle (1) and (2).
- Attach the upper part of the handle (6) to the lower parts using the knobs (7) and the nuts and bolts supplied as shown.
- Engage the Operator Presence Control (OPC) lever by pulling and holding it against the handle in order to release the engine brake. Pull the starter cord (8), and fit it into the cord guide (9) as shown. Tighten the nut (10) using a 10mm spanner. Failure to use the cord guide will result in premature cord wear.
- Secure the control cables using the clamp (11). Take care that the cables are not secured too tightly (this may impair
 how the mower operates) or impair removal of the grass collector. The clutch cable and control lever are only fitted to
 models with power drive (SP414).



GRASS COLLECTOR

- Insert the frame into the bag and attach the plastic clips to the frame using a screwdriver, as shown in the drawing (Figure 2).
- Ensure that the plastic clips locate on the upper front part of the frame (Figure 3).

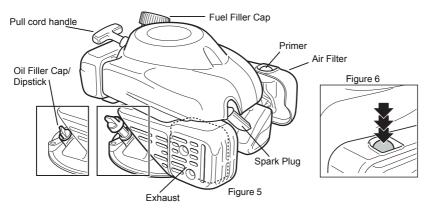
• To fit the grass collector onto the mower, lift the rear deflector flap and hook the collector onto the pegs on the rear



STARTING YOUR MOWER

Read and understand the Safety Precautions before using your mower.

- Put Mountfield 4-stroke, or an SAE 10W-30 oil, in the oil filler (Figure 5). Do not overfill, the oil tank capacity is 0,45 litres. Mountfield oil, part number MX855, is available from any Mountfield stockist or B&Q store.
- Fill the fuel tank with UNLEADED petrol. Use only clean, fresh petrol stale fuel may contain deposits that will
 clog the carburettor. Unleaded fuel can start to go stale after just 28 days. Do not overfill, the petrol level should be
 below the bottom of the fuel tank neck. Do not over tighten the fuel cap. The fuel cap breathes through the threads
 of the cap and over tightening can cause the engine to cut out.
- Ensure that the spark plug lead is securely connected to the spark plug.



- Press the PRIMER button 3 times to prime the carburettor (Figure 6).
- Pull and hold the Operator Presence Control (OPC) lever against the handle to disengage the engine brake.
 THE ENGINE WILL NOT START, OR CONTINUE TO RUN, UNLESS THE OPC LEVER IS HELD AGAINST THE HANDLE
- Pull the starter cord with a strong smooth pull. Do not remove the pull cord from the guide.
- · When the engine starts let go of the pull cord.
- To engage the drive to the rear wheels on Self Propelled models, pull and hold the clutch lever against the handle.
- To stop the drive, release the clutch lever.

NOTE: It is not normally necessary to use the "PRIMER" button when starting a warm engine.

STOPPING YOUR MOWER

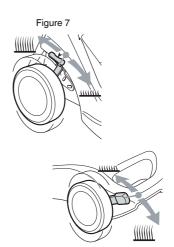
 Release the Operator Presence Control (OPC) lever; this will engage the engine brake and operate the ignition safety cut out device.

ADJUSTING THE HEIGHT OF CUT

The height of cut adjustment not only determines the length of the cut grass, it also controls the airflow which carries clippings into the collector. If the discharge chute becomes blocked, increase the airflow by raising the height of cut. To prevent blockages when cutting long, thick grass, set the adjustment to the highest setting and cut the grass; then cut it again on a lower setting.

To adjust the height of cut:

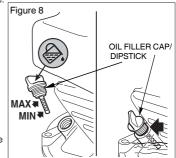
- · Stop the engine and disconnect the spark plug
- · Put the mower on a level surface
- Adjust the cutting height lever by pulling outwards and moving into the required position (Figure 7)
- All 4 wheels must be at the same height



BEFORE EACH USE

Always ensure that the mower is in a safe working condition. Inspect the cutter blade for damage; check safety
devices and quards; check that all nuts, bolts and screws are secure.

- Check the oil level as follows:
 - a) Remove the oil filler cap and wipe the dipstick clean (Figure 8).
 - b) Refit the dipstick into the filler neck without screwing it down. Remove the dipstick and check the oil level; oil should be at the FULL mark. The oil tank capacity is about 0.45 litre or 20 fluid oz.
 - c) If the oil level is low add Mountfield oil part number MX855 or a SAE 10W-30 oil, to the upper limit on the dipstick. Do not overfill; the oil level should not be above the FULL mark.
- Fill the fuel tank with unleaded petrol. Do not overfill, there is no need
 to fill tank to the top. The fuel tank need only contain enough fuel to
 complete the days mowing. If you run out of fuel, refilling must only be
 carried out once the engine has cooled. Fuel stored within the machine
 for 28 days or more can go stale and should be drained before further
 use



MAINTENANCE



Stop the engine and disconnect the spark plug lead before working on the machine.

DO NOT TIP THE MOWER ONTO ITS SIDE AS THIS WILL FLOOD THE AIR FILTER WITH OIL.

To access the underside of the machine, lift the front wheels by lowering the handle until it rests on the ground.

CUTTER BLADE

Examine the cutter blade regularly for wear or damage.

- · A slightly worn blade can be re-sharpened by your local dealer
- If the blade is damaged it should be replaced. Replacement blade kits are available from your Mountfield stockist.
 The part number for the blade kit is MS1199. If in doubt refer to your dealer, or telephone 0845 601 4221.
 Blade must always be marked with part number GGP 81004360/3.

ENGINE

An engine Manufacturer's Owner's Manual is supplied with your mower. Please read this, it provides detailed information on engine operation, maintenance and battery care. Repair work other than routine maintenance, should be carried out by an authorised dealer.

STORAGE

A little time spent on your mower after use will ensure many years of reliable mowing.

To access the underside of the cutter deck, ensure that the spark plug lead is disconnected. Then lift the front wheels by lowering the handle until it rests on the ground. Do not tip the mower onto its side, as this will flood the air filter with oil. Failure to maintain and care for your engine may invalidate the machine guarantee. Please see the guarantee statement for full terms and conditions.

AFTER EACH USE

- Remove any grass pulp from the underside of the cutter deck using a non-metallic instrument such as a piece of wood. Take care not to damage the paintwork.
- Examine the cutter blade for any damage. A damaged blade may upset the balance of your mower and cause excessive vibration. If in doubt refer to your dealer.
- Inspect the grass collector and clean it if necessary. If the mesh becomes clogged airflow will be reduced and impair grass collection.
- The handle can be folded down to reduce the amount of storage space required. Take care not to trap any of the
 operating cables when folding or unfolding the handle.
- Store the mower in a clean, dry area well away from any naked flames, sparks or heat source

LONG TERM - (if you are not using your mower for more than 28 days)

- Give the machine a thorough clean, paying particular attention to the underside
- · Lubricate all moving parts
- Empty the fuel tank either by running the mower out of fuel or tip the machine backwards and onto the back left wheel to
 drain the fuel into a suitable container. To drain the carburettor it is necessary to slacken the drain screw. The drain screw
 is situated under the carburettor on the float bowl (see diagram page 4). A bolt holds the bowl in place on the very bottom,
 but on an angle slightly closer to you is another bolt with a red washer. This is the drain screw.

FAULT FINDING

PROBLEM	SOLUTION
Engine will not start	Check there is ample clean, fresh fuel in the tank. Any stale fuel needs to be drained from the machine.
	Check the cutter blade is not fouling the ground preventing free rotation.
Engine will not stop	Check the Operator Presence Control (OPC) lever is fully released.
Engine will flot stop	Remove spark plug lead to stop the engine using insulated gloves and refer to dealer.
Engine smokes	Engine may be overfilled with oil or may have been tipped.
Engine running unevenly	Check the petrol filler cap isn't too tight - it should only be finger tight. If fuel is over 28 days old it has gone stale and will need replacing.
Coilure to out areas	Stop the engine and disconnect the spark plug lead using heat resistant gloves.
Failure to cut grass properly	Check blade attachment bolt is tight.
property	Check condition of blade. If seriously worn or damaged replace with a new one.
	Stop the engine and disconnect the spark plug lead using heat resistant gloves
	Check and make sure there is no build up of grass inside the casing.
Failure to collect grass	Check grass collector is allowing air to flow through the fabric. If it is clogged it should be washed carefully.
properly	If the grass collector is not clogged raise the height of cut to increase airflow.
	Check to ensure the engine is running at the correct speed (approximately 3,000rpm)
	If conditions are too severe to use the grass collector, remove it and work with the deflector in position
Machine vibrates excessively	This will certainly indicate that the blade has become badly damaged. Stop the engine, disconnect the spark plug lead and examine the blade assembly. Refer to your local dealer.



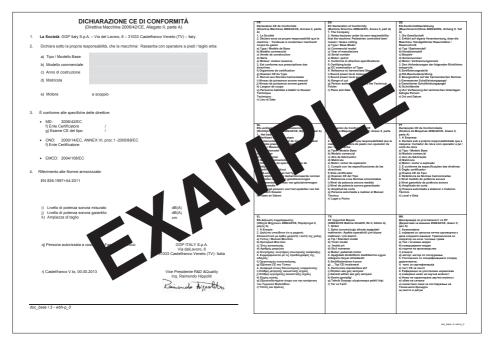
Service link



- What is Service Link? Service Link is an aftersales help and advice helpline with a national network of garden machinery repair specialists.
- How can we help you? Here at service link we can help with all your trouble shooting, warranty, parts and service needs. Call us and speak to one of our advisors and if required, visit one of our 450 centres across the UK and Ireland.
- How can you contact us? If in the unlikely event that this product does require our help please contact the helpline on 0845 601 4221 in the UK or 1800806149 in Rol. Lines are open Monday-Saturday 9am to 5pm and Sundays 10am to 4pm. Also find us online at www.servicelink.org.uk.

CERTIFICATE OF CONFORMITY

A certificate of conformity is enclosed with the documentation as separate document. An EXAMPLE is here on the bottom.



Guarantee

Congratulations on the purchase of your Mountfield lawnmower. This product has been manufactured to the highest quality standards and is guaranteed for domestic use against faulty parts or manufacture for a period of 1 year from the date of purchase. Please note that if the machine is used commercially the guarantee period is 90 days from the date of purchase. If you experience any problem with your Mountfield lawnmower please call our technical helpline on 0845 601 4221 and our operators will endeavour to solve your problem. In the event your problem cannot be resolved over the phone the operator will refer you to one of our local authorised service centres.

This guarantee is subject to the following terms:

- This guarantee is not transferable. An original proof of purchase will be required in the event of a claim.
- The product must be serviced at the recommended intervals by an authorised service centre. A service schedule should be kept including invoicing and receipts. Please phone 0845 601 4221 to locate your nearest Mountfield service centre or visit www.servicelink.org.uk. Service procedures (for example carb cleaning, draining engine oil, blade sharpening, belt and cable adjustment) and consumable parts that require periodic replacement (for example the spark plug, air filter and oil) are not covered under this guarantee. This also applies to parts subject to fair wear and tear (for example wheels, bearings, starter cord, cables, belts and blade).
- Delivery and collection of the machine is your responsibility and not covered under this guarantee.
- The guarantee does not cover any breakages or damage that are a result of the following; misuse, alteration, improper assembly or adjustment, neglect or accident.
- Expenses and costs incurred from loss of utility will not be compensated.
- The guarantee does not cover machines that are transported outside of the UK & Eire.
- Where a mower is fitted with an engine not manufactured by Mountfield, the engine manufacturer guarantees the engine.

This guarantee is in addition to and does not detract from your contractual rights under statute or common law.

On delivery of your new Mountfield mower, we suggest that you complete the box to the right.

The information for your machine is on the serial number label, which is fixed on the cutter deck at the base of the handles. You will be asked for these details if you have any problems or require spare parts.

Please keep your receipt, proof of purchase will be required in the event of a claim.

	Lwa
Model:	dB
(Year) S/N°	

Service Record				
1st Service	2nd Service			
Date of service	Date of service			
Next service due	Next service due			
Dealer's Signature	Dealer's Signature			
Dealer's Stamp:	Dealer's Stamp:			

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12 Part Number 171503972/2