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CODE 533S

## **OWNER'S HANDBOOK**

(English Version)

FROM SERIAL NO: 533S001001

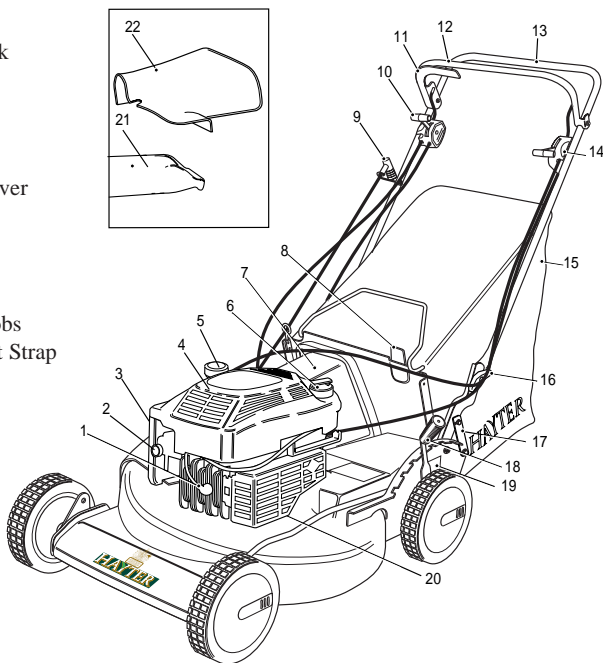
Issue : Jan 2001

HANDBOOK: 533010 (Rev.0.)

# MAIN FEATURES / SPECIFICATIONS

## Main Features

1. Spark Plug Lead
2. Primer Button
3. Air Cleaner Cover
4. Engine Cover
5. Fuel Cap
6. Oil Filler Cap & Dipstick
7. Rear Discharge - Chute
8. Rear Door Handle
9. Engine Start Grip
10. Ground Speed Lever
11. Ground Drive Clutch Lever
12. Engine Brake Lever
13. Handlebar
14. Throttle Control
15. Grassbag Assembly
16. Handlebar Securing Knobs
17. Handlebar Height Adjust Strap
18. Height of Cut Lever
19. Serial Number Label
20. Exhaust Guard
21. Plug - Mulcher
22. Side Discharge - Chute



## Specifications

### MODEL

**Engine**

**Engine Type**

**Engine / Cutterblade Speed**

**Fuel Type**

**Fuel Capacity**

**Oil Type**

**Oil Sump Capacity**

**Spark Plug**

**Spark Plug Gap**

**Width of Cut**

**Height of Cut**

**Overall Dimensions**

**Dry Weight**

### CODE 533S

Briggs & Stratton IC

12G 802 2609 B1

3000 rpm

Unleaded Petrol

1.5 litres

SAE 30 engine oil

0.6 litres

802592E

0.76mm

560mm

28 - 90mm

1100 x 585 x 1410mm

45 Kg

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# INTRODUCTION

Thank you for purchasing a **Hayter** mower. The following pages are designed to help you gain safe and efficient service from your mower.

**IMPORTANT:** This 'Owners Handbook' should be regarded as part of the mower as it gives essential information regarding mower safety, operation, maintenance and specifications. Read and understand this handbook prior to operating your mower for the first time. Make sure you are familiar with all the controls and points of regular maintenance. If you have any doubts, consult your local **Hayter** authorised dealer who will be pleased to give you assistance.

**IMPORTANT:** This mower is designed solely for use in a domestic grass cutting environment. Use in any other way is considered as contrary to the intended use. Compliance with and strict adherence to the conditions of operation, service and repair as specified in this handbook also constitute essential elements of the intended use.

This mower should be operated, serviced and repaired only by persons who are familiar with its particular characteristics and who are acquainted with the relevant safety procedures.

The safety precautions listed in this handbook and all other generally recognised regulations on safety must be observed at all times.

Any arbitrary modifications carried out to this machine may relieve Hayter Limited of liability for any resulting damage or injury.

**Hayter** mowers are robustly constructed and designed for efficient economical performance under normal mowing conditions. Correct operation and maintenance will ensure a long and satisfactory service life. Prior to despatch from our factory every effort is made to ensure that your mower is delivered in perfect condition.

Throughout this handbook all references to **left** and **right** are as viewed from behind the handlebar, in the direction of forward travel.

This handbook is based on information available at the time of publication.

**HAYTER LIMITED** reserve the right to amend product specifications without prior notification.

## LIMITED WARRANTY

**Hayter Limited** warrants to the original user/purchaser that this unit shall be free from defects in material and workmanship under normal use and service for a period of **three years** from the date of purchase. The manufacturer of the engines furnish their own warranty and services are provided through their authorised network (Refer to "Engine Warranty Statement"). To qualify for the full benefit of the warranty, the warranty registration card must be returned within 60 days of purchase. Subject to the conditions and exclusions noted in this limited warranty, we shall at our option, repair or replace any warranted part during the applicable period. If you are in doubt or experience any difficulty, please consult a Hayter Authorised Service Dealer for clarification.

To qualify for the extended warranty (second and third year) of the three year limited warranty the machine must have annual services carried out by an Authorised Hayter Service Dealer. These chargeable services should be carried out within 12 and 24 months of the date of purchase.

Excluded from the extended warranty period are those items which are subject to normal wear and tear e.g. tyres, wheels, cutterblades, cables, batteries and other consumable wearing parts.

All consumer machines which are fitted with a **genuine** Hayter friction disc as original equipment before use, are covered by a **Lifetime Warranty** against the engine crankshaft bending. **Note:** friction washers, blade brake units and other such devices are not applicable. Only machines fitted with a **genuine** Hayter friction disc, which are used in accordance with the recommended operating and maintenance procedures, are covered.

This warranty does not apply to any unit that has been tampered with, altered, misused, abused or used for hire, and will become invalid if non genuine Hayter parts are fitted. This warranty does not cover minor mechanical adjustments unless they are due to defective material or workmanship. Consult the Owner's Handbook or a Hayter Authorised Service Dealer for assistance when making these adjustments.

### A warranty period of 90 days applies to machines used for commercial purposes.

To make a warranty claim, return the unit to a Hayter authorised dealer along with proof of purchase stating the machine serial number and date of purchase. The service receipt(s) or this Owners Handbook with the 1st/2nd year service boxes fully completed, must be produced as proof of entitlement to the extended warranty period. Subject to the conditions and exclusions in this limited warranty, the authorised dealer will, at our option, repair or replace any warranted part within the duration of the warranty period.

This limited warranty gives you specific legal rights and is in addition to any statutory rights to which you may be entitled and your statutory rights are not affected by this warranty. If you need additional information concerning this written warranty, or assistance in obtaining services, please write to : **HAYTER LIMITED, Service Department, Spellbrook, Bishop's Stortford, Hertfordshire CM23 4BU**

**UK ONLY:** Details of your local **Hayter** authorised dealer are contained in Yellow Pages or contact:- Freephone 0800 616298.

1st Year  
Service  
Record

DEALER STAMP

2nd Year  
Service  
Record

DEALER STAMP

Issue: 12.10.00

Date.....

Date.....

Signed.....

Signed.....

# SAFETY PRECAUTIONS

## Safety Alert Symbol



This safety alert symbol indicates important safety messages. When you see this symbol be alert to the possibility of injury. Carefully read the following and inform others.

Your mower is perfectly safe if used correctly. Failure to observe the following precautions may result in serious injury.

## Training



Before using the mower read the owners handbook carefully. Pay particular attention to the safety precautions. Ensure that you are familiar with the controls and the proper use of the equipment. Learn how to stop the mower quickly in an emergency.

Never allow children or people unfamiliar with these instructions to use the mower.

Never mow while people, especially children, or pets are nearby.

Keep in mind that the user is responsible for accidents or hazards occurring to other people or their property.

## Preparation



While mowing, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing sandals.

Thoroughly inspect the area where the mower is to be used and remove all objects which may be thrown by the machine.

**WARNING:** Petrol is highly flammable.

- Store fuel in containers specifically designed for this purpose.
- Add fuel before starting the engine. Never remove the cap from the fuel tank or add petrol while the engine is running or when the engine is hot. Allow the engine to cool for at least two minutes before refuelling.
- Do not attempt to start the engine if petrol is spilled or a smell of petrol is present. Move the mower away from the area of spillage and avoid creating any source of ignition until petrol vapours have dissipated.

# SAFETY PRECAUTIONS

## Preparation

- Always use fresh fuel. Stale fuel can block the carburettor and cause leakage.
- Replace fuel tank and oil tank caps securely.

A damaged cutterblade or loose fixing bolt are major hazards. Before use, always visually inspect the cutting mechanism to ensure that it is in good condition. A damaged cutterblade must be replaced immediately with a genuine Hayter replacement part



## Operation

Do not operate the engine in a confined space where exhaust fumes (carbon monoxide) can collect. Refuel outdoors only and do not smoke while refuelling.

Always pull the starter cord slowly until resistance is felt. Then pull the cord rapidly to avoid kickback and prevent hand or arm injury.

Mow only in daylight or good artificial light.

Avoid using the mower on wet grass, where feasible.

Always be sure of your footing on slopes.

Walk, never run.

Mow across the face of slopes, never up and down.

Exercise extreme caution when changing direction on slopes.

Do not mow excessively steep slopes of more than 20 degrees.

Use extreme caution when reversing or pulling the mower towards you.

Stop the engine before moving the mower across areas other than grass.

Never operate the mower unless the guards are securely in position and in good condition.

Do not change the engine governor settings or overspeed the engine.

Disengage the rear roller drive clutch before starting the engine.

Start the engine carefully, with feet well away from the cutterblade.



# SAFETY PRECAUTIONS

## Operation



Do not tilt the mower when starting the engine.

Do not put hands or feet near or under rotating parts.

Never pick up or carry the mower while the engine is running.

Never lift/open the rear deflector/door while the engine is running.

Never touch the exhaust/exhaust guard or cooling fins when the engine is hot.

### **Stop the engine and disconnect the spark plug lead:**

- Before clearing blockages or unclogging the discharge chute.
- Before cleaning/checking or working on the mower.
- After striking a foreign object. Inspect the mower for damage and ensure necessary repairs are made before re-starting.
- If the mower starts to vibrate abnormally (check immediately).

### **Stop the engine:**

- Whenever you leave the mower.
- Before refuelling.

## Maintenance & Storage



Keep all nuts, bolts and screws tight to ensure that the equipment is in safe operating condition.

Frequently check fuel lines and fittings for cracks or leaks and replace if necessary.

Never check for a spark when the spark plug is removed. (Use approved tester)

Inspect the exhaust periodically and replace if worn or leaking.

Never crank the engine with the spark plug removed.

Never start the engine with the air-cleaner or air-cleaner cover removed.

Never store the mower with petrol in the tank within an enclosed area where fumes may reach an open flame or spark.



# SAFETY PRECAUTIONS

## Maintenance & Storage

Allow the engine to cool before storing in any enclosure. To reduce the fire hazard, keep the engine and the surrounding deck area free of grass, leaves, or excessive grease.

Check the rear deflector and grassbag frequently for wear or deterioration. Replace worn or damaged parts for safety.

If the fuel tank has to be drained, this should be done outdoors and when the engine is cool.

Wear strong work gloves when removing and reassembling the cut-terblade.

Always replace worn or faulty parts with genuine Hayter parts.

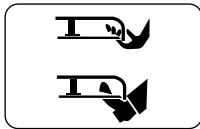


## Safety Symbols

Safety Alert - Be aware to the possibility of injury.



Danger of severing toes or fingers in cutting mechanism.



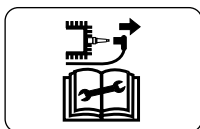
Danger of being hit by thrown objects.



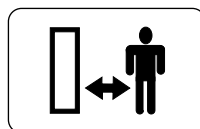
Carefully read the Owners Handbook before using the machine.



Stop engine and remove spark plug lead before working on the mower.

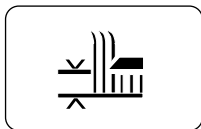


Keep bystanders at a safe distance from the mower.

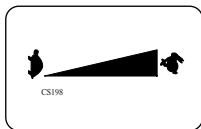


## Decal Symbols

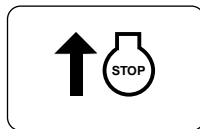
Height of Cut Adjustment (Symbol)



Throttle Control (Symbols)



Engine Stop



# ASSEMBLING THE MOWER

## Delivery Checklist

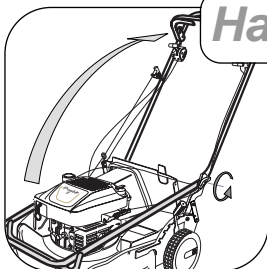


Remove the mower from the packaging and check that the following items have been supplied correctly. If any items are missing contact, your local Hayter dealer.

1. Engine Handbook.
2. Warranty Reg. Card.
3. Grassbag.
4. Mulcher Plug Note.(Inside Chute)
5. Side Discharge Chute
6. Oil Pack

**To prevent accidents cut off the long ribbon attached to the grassbag and discard.**

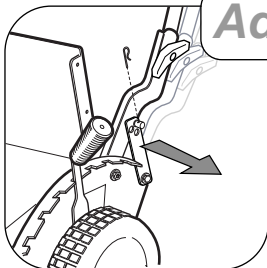
## Handlebar



Unscrew the handlebar securing knobs sufficiently to allow the handlebar to pivot. Unfold the handlebar to the operating position. Tighten both handlebar knobs to secure the handlebar in position.

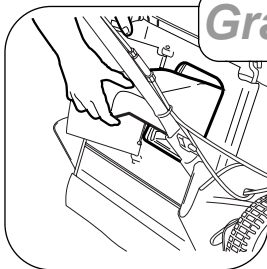
**Take care to ensure that the control cables do not become snagged at the pivot point.**

## Adjust Handlebar Height



Remove the 'R' Clip. Locate the pin in one of the three holes in the adjuster strap for best position and comfort. Ensure both sides are set to the same height. Secure in the required position with the 'R' Clips.

## Grassbag Attachment



**The mower is shipped with a 'Mulcher Plug' fitted inside the discharge chute. Open the rear door and remove prior to initial use.**

To attach the grassbag, Open the rear door and lower the grassbag through the handlebar making sure the top corners of the grassbag frame hook over the rear plate and into position.

# BEFORE STARTING THE MOWER

## Prevent Engine Damage

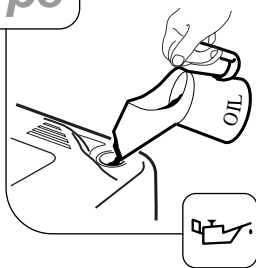
To prevent engine damage the engine is shipped without oil or petrol. The engine must be filled with the correct grade of oil and petrol before starting the engine.



## Oil Type

Always use high quality detergent oil classified SAE 30 Oil. Never use additives with this oil.

To prolong the life of your engine it is important that the oil is changed after the first 5 hours of use - refer to 'Maintenance Schedule'.

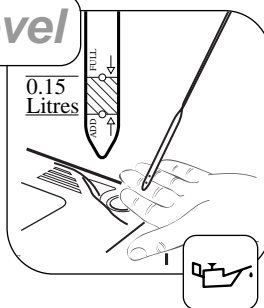


## Check Oil Level

Clean around the oil filler cap before removing. With the mower on a level surface, unscrew and remove the oil filler - dipstick. Wipe oil from it with a clean cloth. Screw the oil filler - dipstick back in place, then unscrew and remove it to check the oil level.

The oil level is correct when it is at the **full** mark on the dipstick.

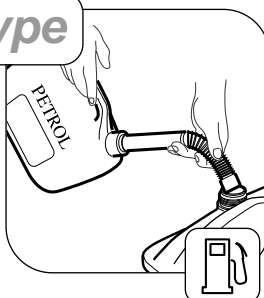
**DO NOT OVERFILL.**



## Fuel Type

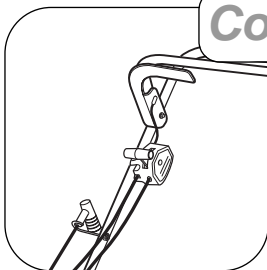
Always use clean, fresh unleaded petrol. Purchase fuel in quantities that can be used within 30 days. Never mix oil with petrol. For added engine protection Briggs & Stratton recommend the use of their fuel additive which is available from an authorised Briggs & Stratton service dealer.

**Fill to base of neck to allow for fuel expansion. Do not overfill the fuel tank.**



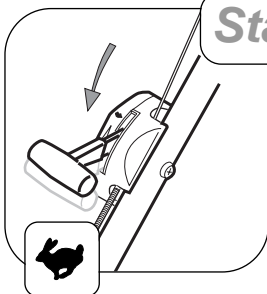
# OPERATING THE MOWER

## Controls



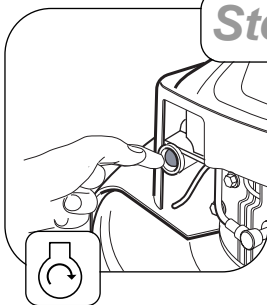
Operate all control levers several times and ensure that the cables move freely. Check that the engine stop and ground drive clutch levers return freely to their rest position when released.

## Starting - Step 1



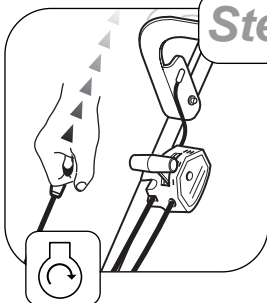
Move the throttle control lever to the 'Fast' position.

## Step 2



Push the primer button 5 times allowing 2 seconds between each push.

## Step 3



Stand behind the mower and hold the handlebar with your left hand together with the engine stop lever. With your right hand hold the engine start - grip and pull slowly until resistance is felt, then pull rapidly to crank the engine. Carefully return the start grip to the storage position when the engine starts.

If the engine does not start after 5 attempts - refer to "Trouble Shooting".

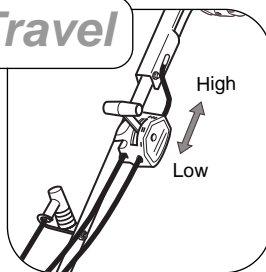
# OPERATING THE MOWER

## Forward Travel

Hold the handlebar and operate the ground drive clutch lever to power the mower in a forward direction.

When the ground drive clutch lever is disengaged the mower may be pushed. This feature is useful when mowing in confined areas.

The mower has a three speed rear wheel transmission system. To change the speed disengage the ground drive clutch lever. Move the transission speed control lever to the desired speed (Number 3 being the fastest position).



## Turning

To make a wide turn steer the mower with the handlebar in the direction required.

To make a tight turn release the ground drive clutch lever, apply downward pressure on the handlebar to raise the front wheels just above ground level and steer in the required direction.

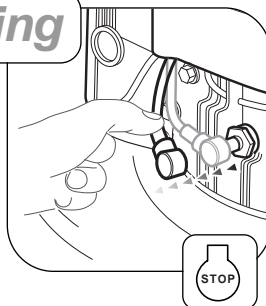
**To prevent accidents do not raise the front of the mower excessively when making a turn. Never raise the rear of the mower when the engine is running.**



## Stopping

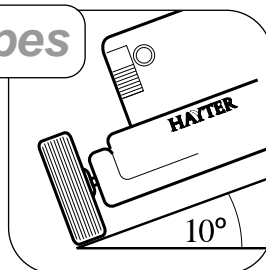
Release both ground drive clutch lever and the cutterblade stop lever.

**Emergency stop If the engine fails to stop, disconnect the spark plug lead.**



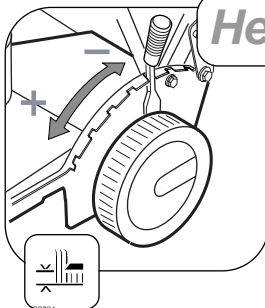
## Slopes

**To prevent engine damage do not use the mower on slopes greater than 10 degrees.**



# OPERATING THE MOWER

## Height of Cut



Move the height of cut lever sideways to disengage it from the locking notch, then push forwards to raise or pull backwards to lower the height of cut. Release the lever in the required position and ensure that it locks firmly into one of the seven notch settings.

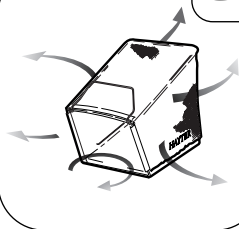
Always select a height of cut to suit operating conditions. Prevent engine overloading and blockages by avoiding low cuts in long grass conditions. Be prepared to make two cuts when the grass is long.

## Before Mowing



To prevent accidents thoroughly inspect the area and remove all objects which when contacted by the cutterblade could become dangerous projectiles. Inspect the area for hidden obstructions which when contacted by the cutterblade could risk health and safety. Remember the location of these obstructions and ensure that you mow around them.

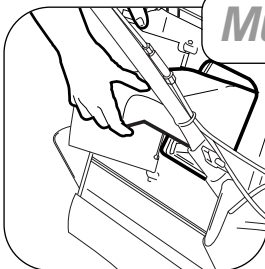
## Grassbag



Lift the grassbag through the handlebar and close the rear door to rest against the rear of the mower.

To empty the grassbag, pour out the grass clippings and shake the grassbag vigorously to clean the airways. Good grass collection depends on good air flow through the grassbag. When collecting grass clippings it is important that the grassbag is emptied regularly to prevent blockages and engine overloading.

## Mulching



Open the rear door and slide the mulcher plug into the rear discharge chute. Ensure that the plug is fully inserted and the door is closed.

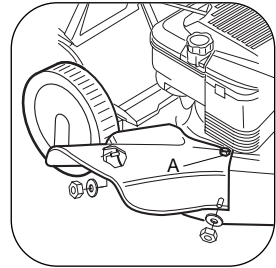
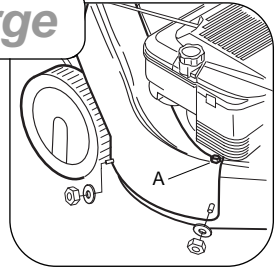
Mulching finely cuts the grass so that the grass can be easily recycled. Due to the nutrients that this returns to the soil the lawn will need less fertilizer.

# OPERATING THE MOWER

## Side Discharge

Remove the rear discharge chute by removing nuts and washers. Slide the assembly from under the shoulder bolt (A).

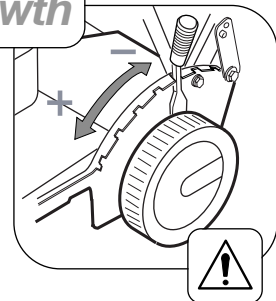
Slide the new side discharge chute assembly under the shoulder bolt (A). Then fasten the front and the back of the assembly with the fasteners.



## Heavy Growth

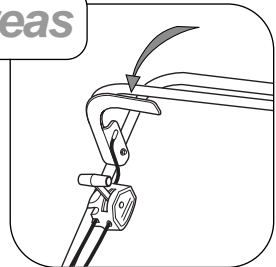
To prevent engine overloading and blockages be prepared to make two cuts in areas of heavy growth. If collection is required, first mow the area at the maximum height of cut setting with the grassbag fitted. Reduce the height of cut and mow the area again as necessary until the required finish is obtained.

To prevent grass damage do not remove more than one third of grass height in one cut.



## Non-Grassed Areas

When moving the mower across non-grassed areas, stop the cut-terblade and set the mower to the maximum height of cut to protect the cutting mechanism.



# LAWN CARE CALENDAR

To be used as a guide only.

## January

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There is very little work to do this month apart from brushing away leaves. Keep off the grass if frozen or waterlogged.

## February

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Rake the grass thoroughly. Spike the lawn to aerate and stimulate soil organisms and root growth and apply lawn sand if necessary.

## March

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The yearly lawn work programme really starts this month. As soon as the ground conditions are suitable, the first cut can be made. The first cut should merely “top” the grass as close cutting at this stage could result in severe yellowing or browning. Two cuts are generally sufficient this month.

## April

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Mow often enough to stop grass growing away. Dig out patches of coarse grass or resistant weed. Re-seed bare patches.

## May

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Keep mowing increasing the frequency as required. Treat with selective weed killers or combined weed/feed preparations if you did not feed the lawn in April.

## June

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Summer mowing should now be under way. It should be necessary to mow the lawn twice a week. Raking before mowing is important this month as the combined action keeps runners of clover under control. Water the grass if necessary, and remember to soak thoroughly.

## July

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Treat the grass with the second application of fertiliser or weed killer/fertiliser. Water when necessary and rake occasionally. As a general rule the grass clippings should be removed each time you mow. If weather conditions are dry and hot and the grass is weed free, leave the clippings on the lawn to help maintain ground moisture.



# LAWN CARE CALENDAR

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## August

Keep mowing regularly and watering as necessary. Fill any cracks caused by drought with a mixture of sharp sand and soil. In dry weather conditions leave the grass longer to help retain ground moisture.

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## September

Raise the height of cut to allow the grass to thicken and protect the roots from the winter frost and snow.

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## October

Rake out the thatch from the turf and spike the lawn to assist in drainage. Brush in peat and sharp sand.

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## November

Use a stiff broom to disperse worm casts before mowing. Keep turf free from leaves.

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## December

Apart from brushing away leaves, December is a slack end of a busy year. Keep off the lawn if it is very wet or frozen.

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## Mulching Tips

- Mulching finely cuts the grass so that it can be easily recycled. Due to the nutrients that this returns to the soil the lawn will need less fertilizer.
- The grass must be dry. If the grass is wet, it will be difficult to cut and cause heavy clumps of grass.
- In long grass, two cuts may be necessary. First cut, set the height adjust in the highest position. Then lower, for second cut to obtain the desired finish.
- Clean the underside of the mower housing regularly to ensure efficient operation.

**To prevent grass damage do not remove more than one third of the grass height in one cut.**

# MAINTENANCE SCHEDULE

Follow the hourly or calendar intervals, whichever occurs first. More frequent service will be required if working for prolonged periods under dusty, dry conditions, or when airborne debris is present or after extensive operation cutting tall, dry grass.

## *First 5Hrs*

- After the very first five hours change the engine oil

## *Daily*

- Check the oil level
- Remove grass debris from around the engine, exhaust/exhaust guard and air ways in the top cowl and underside of the deck housing.
- Remove grass debris from the grassbag and check for signs of damage.
- Check the condition of guards and safety devices and cutterblades
- Check condition of cutterblade.

## *25Hrs or Every Season*

- Change the engine oil if continuously operating under heavy load or high ambient temperature.
- Service the air cleaner.
- Lubricate wheels, pivot points and linkages and grease the inner control cables at point of entry and exit from their outer casing.
- Check the clutch cable adjustment.
- Sharpen the cutterblade.

## *50Hrs or Every Season*

- Change the engine oil.

## *100Hrs or Every Season*

- Clean the engine cooling system. Clean more often under dusty conditions or when airborne debris is present or after prolonged operation whilst cutting tall, dry grass.
- Replace the spark plug.

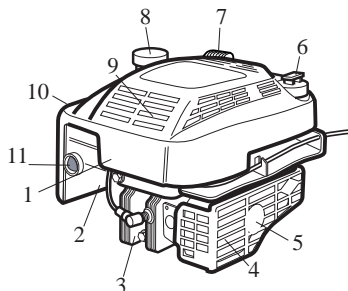
# MOWER MAINTENANCE

To prevent accidents stop the engine disconnect the spark plug lead before attempting to carry out maintenance procedures on the mower.



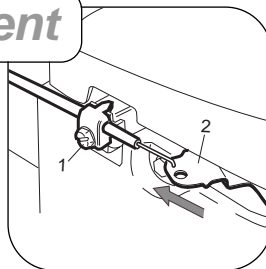
## Engine

1. Engine Cowl
2. Carburettor
3. Spark Plug / Lead
4. Exhaust Guard
5. Exhaust
6. Oil filler Cap/ Dipstick
7. Start Grip
8. Fuel Cap
9. Finger Guard
10. Air Cleaner
11. Primer Button



## Throttle Cable Adjustment

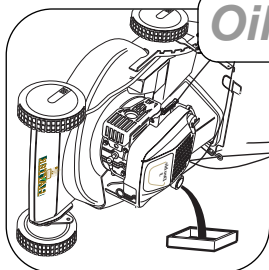
Loosen the outer cable clamp screw (1) and move the governor control lever (2) as far back as possible. Move the throttle control lever to the 'fast' position and re-tighten the outer cable clamp screw.



## Carburettor Adjustments

Should only be made by an authorised Briggs & Stratton dealer. Under no circumstances should the engine be adjusted to run at a speed in excess of that shown on the Declaration of Conformity.

## Oil Service

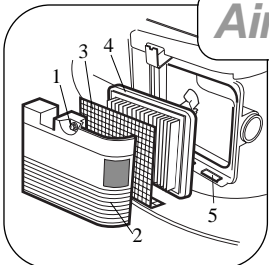


Check the oil level daily before starting the engine and ensure that the correct oil level is maintained. Refer to-‘Before Starting the Mower’ for oil checking and filling instructions.

Change the engine oil after the first 5 hours of operation and thereafter according to the ‘Maintenance Schedule’:-

1. Drain fuel by running the engine until the fuel tank is empty.
2. Remove the spark plug lead.
3. Allow the engine to cool.
4. Drain the oil while the engine is warm.(Not hot)
5. Tip the mower over on to its left hand side thus ensuring that the air cleaner is kept uppermost **to prevent engine damage.**
6. Remove the oil filler dipstick and drain the oil into a suitable container.
7. Refill with new oil of the recommended SAE viscosity grade. (Refer to-‘Before Starting the Mower’)

## Air Cleaner Service



To service the air cleaner, loosen screw (1) and remove cover (2). Carefully remove pre-cleaner (3) and wash in a solution of liquid detergent and water. Allow to air dry thoroughly before fitting.

Remove cartridge (4) and clean by tapping gently on a flat surface. If very dirty, replace.

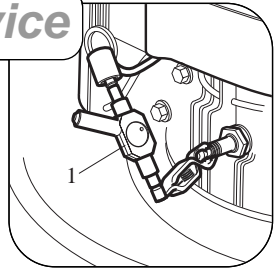
- Do not use petroleum solvents.
- Do not use pressurised air.
- Do not oil the cartridge.

After servicing, install the pre-cleaner and cartridge in the cover. Insert the tabs on the bottom of the cover into the slots in the bottom of the base (5). Tilt the cover upwards and securely tighten the screw to the base.

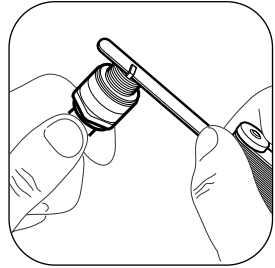
## Spark Plug Service

Use only Briggs & Stratton spark tester (1) to check for a spark as shown in the diagram.

Replace the spark plug every 100 hours or every season, whichever occurs first. A spark plug wrench is available from any authorised Briggs & Stratton service dealer.



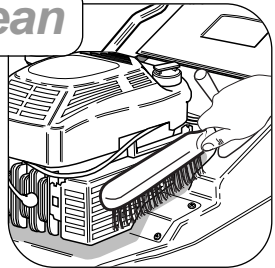
Check the spark plug gap with a feeler gauge and set at 0.76mm.



## Keeping Engine Clean

Remove all grass and debris from the engine including the exhaust/exhaust guard, the air ways in the top cowl and the surrounding deck areas on a daily basis after use. Never spray the engine with water during cleaning. Water can contaminate the fuel. Always clean with a brush or compressed air.

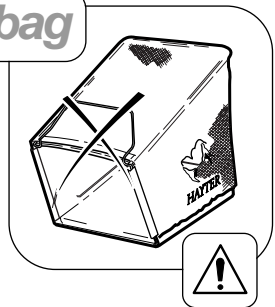
Grass and debris may clog the engine's air cooling system especially after prolonged operation while cutting tall, dry grass. The internal cooling fins and surfaces may require cleaning to prevent overheating and engine damage. We recommend that this service be carried out by an authorised Briggs and Stratton dealer.



## Grassbag

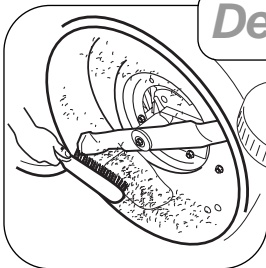
Remove grass debris from the grassbag immediately after use and check its condition for signs of damage.

**To prevent accidents replace a damaged grassbag immediately.**



# MOWER MAINTENANCE

## Deck Housing



Remove grass debris from the top and underside of the deck housing immediately after use.

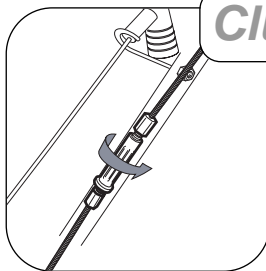
**To prevent accidents fertilisers and top dressings are particularly corrosive. Thoroughly clean the mower deck immediately after use on treated grass and store well away from corrosive materials.**

## Securing Nuts & Bolts



Regularly check that all securing nuts and bolts are tight. Replace missing or damaged items immediately.

## Clutch Cable Adjustment



Move the plastic adjuster as necessary. Then move the drive clutch lever to the engage position and check the drive.

If the drive system still slips, adjust the cable until correct.

Cable stretch will change the performance of the drive system, resulting in the clutch slipping particularly when operating in thick grass or on slopes.

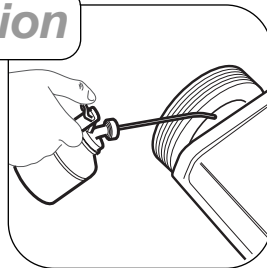
To adjust the clutch cable; rotate the plastic adjuster to shorten/lengthen the cable until satisfactory drive performance is obtained.

Check the clutch cable operation every 25 operating hours and adjust if necessary.

## Lubrication

Lubricate the wheels, pivot points and linkages with engine oil every 25 operating hours.

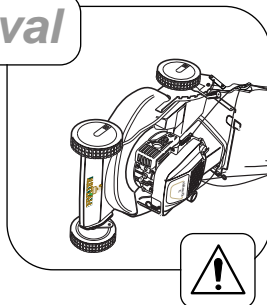
Apply a good quality medium grease to the inner control cables at the point of entry and exit from their outer casing.



## Cutterblade Removal

Drain the fuel by running the engine until the fuel tank is empty and the engine stops. **Remove the spark plug lead** and allow the engine to cool. Turn the mower on its left hand side and ensure that the air cleaner side of the engine is uppermost. Firmly grip the end of the cutterblade with the gloved hand and remove the bolt securing the cutterblade.

**To prevent accidents never work on the cutterblade unless the spark plug lead has been removed. The cutterblade has sharp edges. ALWAYS wear strong gloves to protect your hands when working on the cutterblade. DO NOT rotate tools towards the cutting edges to avoid the risk of injury should the tool slip. ALWAYS use genuine Hayter replacement parts.**



The condition of the cutterblade and its mounting arrangement should be checked regularly for signs of wear or damage. Ensure that the cutterblade is not bent or cracked.

A damaged cutterblade that is out of balance will vibrate excessively and may break. **DO NOT** use an unbalanced cutterblade.

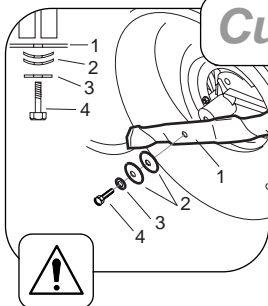
Regularly check that the bolt securing the cutterblade is tightened to the specified torque of 47.5Nm.

Replace the cutterblade every 2 years or sooner if excessively worn or damaged.

To prevent injury it is wise to seek assistance when turning the mower on its side.

# MOWER MAINTENANCE

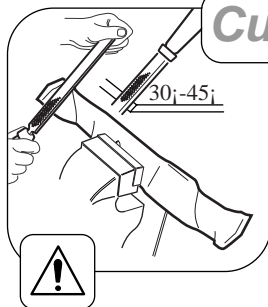
## Cutterblade Assembly



Assemble the cutterblade (1) with the turned up edges facing towards the engine. Secure the cutterblade using the belleville washers (2) washer (3) and new fixing bolt (4) and tighten to a torque of 47.5Nm.

**To prevent accidents never reuse the fixing bolt.**

## Cutterblade Sharpening



A slightly worn cutterblade may be re-sharpened. Both blade edges must be sharpened equally to ensure balance. Sharpen the cutterblade every 25 mowing hours or more frequently if conditions require. Remove the cutterblade from the mower and clean using a brush and water. Inspect the cutterblade for signs of damage. Sharpen both cutting edges with a flat file to restore performance.



Ensure that the cutterblade is balanced. Use a screw driver with a round shaft to support the cutterblade through its centre hole. Hold the cutterblade horizontal and then release. A balanced cutterblade will remain horizontal.



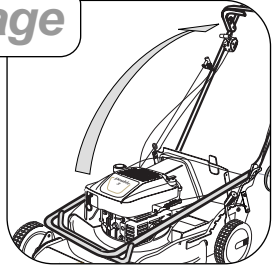
If the cutterblade is not balanced the heavy end will rotate downwards. Sharpen the heavy end until the cutterblade is correctly balanced.



# MOWER MAINTENANCE

## Storage

To store the handlebar unscrew the 2 small securing knobs sufficiently to allow it to pivot forwards to rest against the mower. Take care to ensure that the control cables do not become snagged at the pivot point and depress the engine stop lever to prevent it being damaged through contact with the engine spark plug.



Engines stored in excess of 30 days need to be protected with Briggs & Stratton fuel additive or drained of fuel to prevent gum from forming in the fuel system or on essential carburettor parts. To ensure your mower is maintained in good working order it is important that the following procedure is adopted. Refer to the Maintenance section as necessary.

Drain fuel from the engine by operating the engine until it stops.

Disconnect the spark plug lead.

Change the engine oil.

Remove the engine spark plug and pour 15ml of engine oil into the engine cylinder and replace the spark plug. Do not exceed the stated volume of oil as engine damage may occur on re-starting. **Do not replace the spark plug lead.** Slowly pull the engine start - grip once to crank the engine. This will distribute the oil and help prevent engine corrosion.

Clean grass and debris from the engine cylinder, cylinder head cooling fins, under top cowl, and around and behind exhaust/exhaust guard.

Clean all other areas of the mower and ensure that the grassbag is clean.

Lubricate the mower.

Treat metal parts with a water repellent anti-corrosion product.

Cover the mower with a protective sheet and store it in a dry, ventilated area.

# TROUBLE SHOOTING

PROBLEM	POSSIBLE FAULT	REMEDY
Engine will not turn over	Incorrect oil level.	Check oil level.
	Obstruction under deck.	Remove obstruction.
Engine smokes	Excess oil level.	Check oil level.
	Air cleaner cartridge oil soaked or blocked.	Service air cleaner.
Engine runs then stops	Fuel starvation.	Fill fuel tank.
	Fuel cap vent blocked.	Clean fuel cap vent.
Engine will not start	Engine under load.	Raise height of cut.
	Fuel starvation.	Fill fuel tank.
	Engine cold.	Push Primer.
	Incorrect/contaminated fuel.	Drain fuel tank and fill with correct fuel.
	Spark plug lead disconnected.	Connect spark plug lead.
	Throttle setting incorrect.	Set throttle to 'fast' position.
	Faulty spark plug.	Clean and adjust gap or replace.
	Wiring fault.	Check wiring.
Engine runs rough	Spark plug lead becoming disconnected in use.	Connect spark plug lead.
	Faulty spark plug.	Clean and adjust gap or replace.
	Air cleaner blocked.	Service air cleaner.
	Incorrect/contaminated fuel.	Drain tank and fill with correct fuel.

# TROUBLE SHOOTING

PROBLEM	POSSIBLE FAULT	REMEDY
Engine vibrates excessively	Mounting bolts loose.	Tighten bolts
	Cutterblade bolt loose.	Tighten bolt
	Cutterblade out of balance.	Balance cutterblade
	Bent crankshaft.	Consult your dealer
Uneven cut	Undulating ground conditions	Change direction of travel
	Cutterblade worn	Sharpen the cutterblade
	Cutterblade out of balance	Balance the cutterblade
	Wheels / roller damaged	Inspect and replace as necessary
Discharge chute blocks	Grass is wet	Mow dry grass
	Cut height too low	Increase cut height
	Grassbag full	Empty grassbag
	Airflow through the grassbag is restricted	Clean the grassbag
	Engine speed too slow	Set throttle to fast position
Mower is hard to push	Cut height too low	Increase cut height
	Wheels damaged	Inspect and replace as necessary
Mower will not self propel	Clutch out of adjustment	Adjust clutch cable
	Drive belt damaged	Replace drive belt
Poor grass collection	Airflow through the grassbag is restricted	Clean the grassbag
	Discharge chute blocked	Remove blockage
	Wet grass	Mow dry grass
	Grassbag full	Empty grassbag
	Engine speed too slow	Set throttle to fast position

# DECLARATION OF CONFORMITY

## EC DECLARATION OF CONFORMITY

I, the undersigned M.A. Wright, of:

HAYTER LIMITED,  
Spellbrook, Bishop's Stortford, Herts CM23 4BU ENGLAND

certify that the lawnmowers:

Model:	Double 3
Machine Type No.:	Code 533S
Category.:	Combustion Engine
Make:	Hayter
Type:	Rotary
Engine - Manufacturer:	Briggs & Stratton
- Type:	12G 802 2609 B1
- Speed of rotation during test:	3200 rpm
Type of cutting device:	Cutterblade
Width of cutting device:	56 cm
Speed of rotation of the cutting device:	3200 rpm



**Guaranteed maximum sound power level.** 100 dB(A)

NOISE TEST CARRIED OUT AT SUDBURY, SUFFOLK, ENGLAND Jan 2001

Directives complied with:

98/37/EC Essential Health & Safety Requirements Relating to the Design & Construction of Machinery and Safety Components.

84/538/EEC amended by 87/252/EEC and 88/180/EEC Permissible Sound Power Levels of Lawn Mowers

89/336/EEC amended by 92/31/EEC Electromagnetic Compatibility

Standards Used: EN292, EN836 and ENISO14982

I declare on behalf of Hayter Limited that these machines conform to the EC Essential Health & Safety Requirements.

Signed

Date: Jan 2001

A handwritten signature in black ink, appearing to read 'M.A. Wright'.

M.A. Wright  
(Technical Director)

## VIBRATION INFORMATION

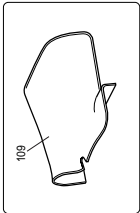
Lawnmower vibration information. RMS acceleration measured in 3 - axes at operators contact position on the handlebars. **CODE 533S = 4.87 ms<sup>-2</sup>**

NO.	DESCRIPTION	PART NO.	QTY	ITEM NOTE
1	Engine	533014	1	
2	Screw	MU710264	2	
3	Speed Control	533013	1	
4	Cover, Rear	MU671547	1	
5	Screw	70-11-012	1	
6	Screw	MU710180	2	
7	Adapter, Blade	MU71285	1	
8	Strap, Adjuster	MU71318E701	2	
9	Washer, Spring	MU710258	6	
10	Bolt, Shoulder	MU710184	6	
11	Pin, Hair	MU31x10	2	
12	Locknut, Flange	MU15x84	9	
13	Decal - Hayter Logo	300157	1	
14	Nut -M8 Nyloc T-Type	09441	1	
15	Decal - Caution	219189	1	
16	Bearing, Lifter	MU43788	2	
17	Support, Axle	MU671411	2	
18	Screw	MU710277	14	
19	Index, Height Adjuster	MU71368E701	1	
20	Bracket, Handle	MU671317	2	
21	Housing (Green)	MU71308	1	
22	Decal - Height of Cut	320006	1	
23	Serial - no Label	-	1	
24	Panel, Front	533090V	1	
25	Decal - Warning	331045	2	
26	Hub Cap	MU43847	2	
27	Wheel, Front (Gray)	MU43724	2	
28	Pin, Hair	MU31x9	2	
29	Connecting Rod	MU671328	1	
30	Front Axle Assembly,	MU671325	1	
31	Decal - Engine Stop	331046	1	
32	Clip, Front Axle	MU671292	2	
33	Screw	MU710274	6	
34	Washer, Belleville	MU17x137	2	
35	Washer	09276	2	
36	Bolt, Hex	MU710201	1	
37	Blade	MU671849	1	
38	Spacer, Adapter	MU71470	1	
39	Cover, Dust	MU643616	2	
40	Bolt, Engine	09349	3	
41	Spring, Extension	MU710337	1	
42	Crossbar Assembly, Rear	MU671315	1	
43	Lever, Height Adjuster	MU672278	1	
44	Grip, Height Adjuster	MU671297	1	
45	Decal - Engine	533006	1	
46	Wheel, Rear (Gray)	MU643617	2	
47	Washer	MU710252	2	

NO.	DESCRIPTION	PART NO.	QTY	ITEM NOTE
48	Hub Cap	MU43615	2	
49	Support, Wheel	MU71370E701	1	
50	Nut	09203	1	
51	Nut	MU15x88	2	
52	Rear Discharge Chute	MU671289	1	
53	Deflector, Rear	MU671296	1	
54	Rod	MU71319 Z	1	
55	Cap, Push On	MU710285	4	
56	Key, Woodruff #6	1662	1	
57	Plate, Bagger	MU671298	1	
58	Door, Rear	MU671299	1	
59	Grip, Door	MU671306	1	
60	Rod, Door	MU71300 Z	1	
61	Spring, Torsion	MU335572	1	
62	Guide, Rope	MU671443	1	
63	Seal	MU71906	1	
64	Bolt, Carriage	MU57072	2	
65	Retainer	MU710288	2	
66	Stop Lever	MU671567	1	
67	Pin	MU710289	2	
68	Washer	03355	1	
69	Clutch Drive Lever	MU671566	1	
70	Screw	MU710267	1	
71	Locknut	MU15x116	1	
72	Bolt -	09780	2	
73	Guide - Rope	MU43956	1	
74	Cable - Tie	3966	4	
75	Cable - Drive	533011	1	
76	Throttle -	533012	1	
77	Handlebar Assembly	MU71713E701	1	
78	Rivet	MU710260	6	
79	Bolt - Carriage	MU710176	2	
80	Knob	MU71495	2	
81	Belt	MU37x77	1	
82	Washer - Nylon	MU339065	2	
83	Arm, Idler	MU36480	1	
84	Pulley, Idler	MU71054	1	
85	Screw	MU710268	2	
86	Bolt - M8 x 30	09369	1	
87	Bracket, Transmission	MU338842	1	
88	Spring, Extension	MU710328	1	
89	Screw	MU710276	4	
90	Washer	02575	2	
91	Gear, Left Pinion	MU671287	1	
92	Bushing -	MU71291	2	

NO.	DESCRIPTION	PART NO.	QTY	ITEM NOTE
93	Washer	09267	2	
94	Rivet	MU710259	2	
95	Locknut	09447	1	
96	Pulley, Transmission	MU671288	1	
97	Chute - Floor	MU672230	1	
98	Pin, Drive	MU43629	2	
99	Transmission	MU71374	1	
100	Shield, Axle	MU43649	1	
101	Gear, Right Pinion	MU671286	1	
102	Grassbag Assembly	533016	1	
103	Bolt, Shoulder	MU710200	1	
104	Bag	MU671907	1	
105	Frame	MU671303	1	
106	Washer -	09266	1	
107	Pin - Hood Latch	MU 53446	1	
108	Plug, Mulcher	MU671373	1	
109	Side Discharge Chute	MU671295	1	
110	Guard - Drive Belt	533008W	1	
111	Cable - Engine Brake	533015	1	
112	Tube - Grass Bag	MU671307	1	
113	Nut	MU45171	3	
114	Nut - Nyloc	09438	2	
115	Screw	MU710275	1	
116	Rope Stop	MU42189	1	

# 533S PARTS LIST





Mower Serial No:.....

Engine Model:..... Type:..... Code:.....

Notes: