

HAYTERETTE PROFESSIONAL

CODE 284R

OWNER'S HANDBOOK

(English Version)

FROM SERIAL NO: 284R001252

Issue: 11.08.98

HANDBOOK: 284049 (Rev.2.)

CERTIFICATE OF CONFORMITY

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

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

certify that the lawnmowers:

1. Machine Type No.	CODE 284R
2. Category.	Combustion Engine
3. Make.	Hayter
4. Type.	Rotary
5. Engine - Manufacturer.	Honda
- Type.	GXV 140A
- Speed of rotation during test.	3000 rpm

Conforms to the specifications of Directive 84/538/EEC as adapted to technical progress by Directive 87/252/EEC and amended by Directive 88/180/EEC.

Guaranteed maximum sound power level. 96dB (A)

- Type of cutting device	Cutterbar
- Width of cutting device	46cm
- Speed of rotation of the cutting device	3000 rpm

TESTED AT SUDBURY, SUFFOLK, ENGLAND 21.02.97

Signed



M.A. Wright
(Technical Director)

EC DECLARATION OF CONFORMITY

Company Name HAYTER LIMITED

Company Address Spellbrook
Bishop's Stortford
Herts. CM23 4BU
ENGLAND

Machine Type No.. CODE 284R
Models Hayterette Push



Directives complied with: 89/392/EEC amended by 91/368/EEC, 93/44/EEC and 93/68/EEC
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, EN50081 and EN50082

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

Signed



Date: 11.08.98

M.A. Wright
(Technical Director)

VIBRATION INFORMATION

Lawnmower vibration information. RMS acceleration measured in 3 - axes at operators contact position on the handlebars. **CODE 284R = 9ms⁻²**

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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 machine.

IMPORTANT: The manual should be regarded as part of the machine as it gives essential information regarding machine safety, operation, maintenance and specifications. Read and understand this handbook prior to operating your machine 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 **Hayter** authorised dealer who will be pleased to give you assistance.

All **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 your machine arrives in perfect condition. Your dealer will carry out a pre-delivery inspection to ensure that there has been no transit damage prior to installation. **Please allow your dealer to familiarise you with the controls and safety features of the machine during installation.**

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

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

HAYTER LIMITED reserve the right to make changes at any time without notice.

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 manufacturers of the engine and battery pack system (where applicable) furnish their own warranty and services are provided through their authorised network (Refer to "Engine/Battery Pack 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, cutterbars, 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

Date.....

Signed.....

2nd Year
Service
Record

Date.....

Signed.....

SAFETY PRECAUTIONS



THIS SYMBOL MEANS BE ALERT! YOUR SAFETY IS INVOLVED. WHEN YOU SEE THIS SYMBOL BE ALERT TO THE POSSIBILITY OF INJURY. CAREFULLY READ THE MESSAGE THAT FOLLOWS AND INFORM OTHERS. EXERCISE GREAT CARE AND FOLLOW THE ADVICE GIVEN TO AVOID POTENTIALLY HAZARDOUS SITUATIONS.

The Hayterette is perfectly safe if used correctly. Failure to observe the following simple precautions may result in serious injury.

Training:



Read the instructions carefully. 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.

- Refuel outdoors only and do not smoke while refuelling.

- 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 2 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


Continued.

- Always use fresh fuel. Stale fuel can block the carburettor and cause leakage.


- Replace fuel tank and container caps securely.


 Replace faulty silencers.


 Always ensure that the mower is in a safe operating condition. Frequently check all nuts, bolts and screws for tightness. Use only genuine **Hayter** replacement parts.


 A damaged cutterbar and loose fixing bolt are major hazards. Before use, visually inspect the cutting mechanism to ensure that it is in good condition. A damaged cutterbar must be replaced immediately with a genuine **Hayter** replacement part. A cutterbar which is slightly worn can be re-sharpened. Ensure that both cutting edges are re-sharpened equally to maintain balance. An unbalanced cutterbar may cause serious damage to your machine. Refer to "Maintenance".


Operation:


 Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.


 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.

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


 Stop the cutterbar if the mower has to be tilted for transportation when crossing surfaces other than grass and when transporting the mower to and from the area to be mowed.


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


SAFETY PRECAUTIONS


Continued.


Operation continued:


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

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

 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 a mower while the engine is running.


 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 make repairs before restarting and operating the mower.


- If the mower starts to vibrate abnormally (check immediately).

 Stop the engine:

- Whenever you leave the mower.

- Before refuelling.

 When using the machine, do not lift the rear flap whilst the mower is in operation.

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














WARNING: THE CUTTERBAR CAN CONTINUE TO ROTATE AFTER THE ENGINE IS SWITCHED OFF.

SAFETY PRECAUTIONS

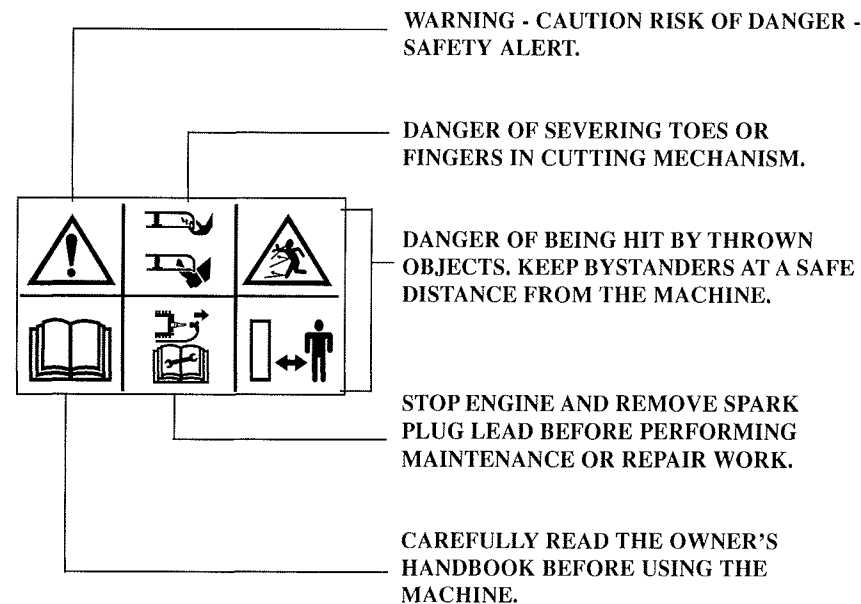
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Maintenance and Storage:

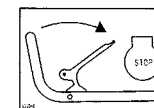
-  Keep all nuts, bolts and screws tight to ensure that the equipment is in safe operating condition.
-  Frequently check fuel lines and fittings for cracks or leaks and replace if necessary.
-  Never check for a spark with the spark plug removed. (Use an approved tester).
-  Never crank the engine with the spark plug removed. If the engine is flooded, move the throttle to the 'fast' position and crank the engine until it starts.
-  Never operate the engine without a muffler guard. Inspect the muffler periodically and replace if worn or leaking.
-  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.
-  Allow the engine to cool before storing in any enclosure.
-  To reduce the fire hazard, keep the engine, muffler, cooling fins, and petrol storage area free of grass, leaves, or excessive grease.
-  Replace worn or damaged parts for safety.
-  If the fuel tank has to be drained, it is essential that this be done outdoors.

DECALS

WARNING DECAL: Part No. 219189



DECAL - ENGINE STOP
Part No. 331046



CUT HEIGHT ADJUSTMENT DECAL:
Part No. 320006



THROTTLE CONTROL:



SPECIFICATIONS

MODELS	CODE 284R Push
Engine	Honda
Engine Type	GXV140A
Engine / Cutterbar Speed	3000 rpm
Fuel Type	Unleaded petrol
Fuel Capacity	1.06 litres (1.9 UK pints)
Oil Type	SAE 10W-30 engine oil
Oil Sump Capacity	0.6 litres (1.1 UK pints)
Cutting Width	457mm (18 inch)
Cutting Height	13 - 70mm (0.5 - 2.75 inch)
Overall Dimensions	1,030 x 575 x 1310mm (40.5" x 22.5" x 51.5")
Dry Weight	33 Kg (72.8 lbs)

ASSEMBLY INSTRUCTIONS

SAFETY NOTICE

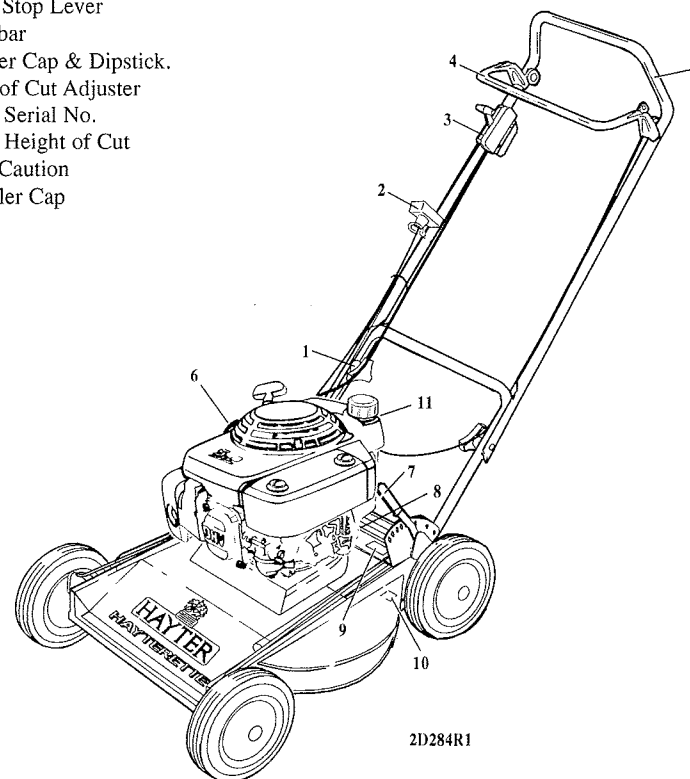


Before using the mower, read the owner's handbook carefully.
Pay particular attention to the safety precautions.



GENERAL ASSEMBLY

1. Handlebar Securing Knob.
2. Engine Start Grip.
3. Throttle Control.
4. Engine Stop Lever
5. Handlebar
6. Oil Filler Cap & Dipstick.
7. Height of Cut Adjuster
8. Decal - Serial No.
9. Decal - Height of Cut
10. Decal- Caution
11. Fuel Filler Cap



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ASSEMBLING THE MOWER FOR THE FIRST TIME

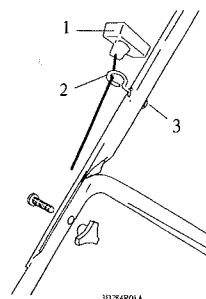
Check that parts are delivered correctly: Having removed the mower from the packaging, check that all loose items have been supplied correctly. Refer to the delivery checklist opposite and the general assembly. If any items are missing contact your local Hayter dealer.

DELIVERY CHECKLIST	
Description	Quantity
Owner's Handbook	1
Engine Handbook	1

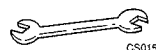
Assemble the handlebar: Unscrew the knobs securing the handlebar sufficiently to allow it to be pivoted. Move the engine stop lever away from the engine to avoid damage and unfold the handlebar to its operating position. Tighten the two knobs to secure the handlebar.

! WARNING - PREVENT DAMAGE : When unfolding the handlebar, take care to ensure that the controls and cables do not become damaged. Always replace damaged controls and cables before using the mower.

Operate the engine stop lever towards the handlebar and very slowly pull the engine start grip (1) away from the engine until there is sufficient slack in the rope to enable it to be threaded into the rope guide (2). Release the start-grip until it rests against the rope guide as shown. Finally tighten the nut (3) to secure the rope guide.



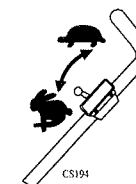
Check that all fasteners are secure



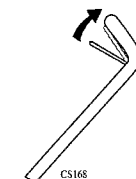
ASSEMBLING THE MOWER FOR THE FIRST TIME

Continued.

Check throttle lever operation: Operate the throttle lever several times and ensure that the cable moves freely whilst operating the engine throttle mechanism.



Check engine stop lever operation: Operate the engine stop lever several times. Ensure that the cable moves freely and that the lever returns automatically to the engine stop position when released.



BEFORE STARTING THE ENGINE

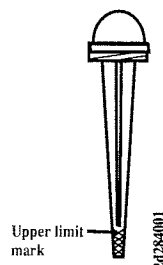
Read the Engine Owner's Manual supplied with this mower.



IMPORTANT - 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 recommendations: Always use high quality detergent oil classified "For service SF, SG" SAE 10W-30 oil. Never use additives with recommended oils.

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. Insert the oil filler - dipstick into the oil filler neck but do not screw it in. Remove it to check the oil level.



The oil level is correct when it is at the upper limit mark on the dipstick. **DO NOT OVERFILL.**

Slowly add SAE 10W-30 engine oil as necessary and replace the oil filler - dipstick.

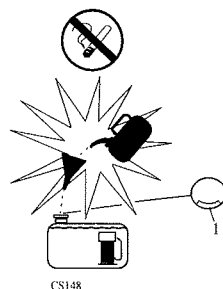
IMPORTANT: The oil filler - dipstick must be firmly secured to prevent oil leakage during operation.

Fuel Recommendations: Always use clean, fresh unleaded petrol. Purchase fuel in quantities which can be used within 30 days. Never mix oil with petrol. For added engine protection the use of a petrol stabiliser is recommended.

Check fuel level: Clean around the fuel filler cap before removing and fill the fuel tank with clean unleaded petrol.

Add fuel up to the level indicator (1) in the neck of the fuel tank. **DO NOT OVERFILL.**

IMPORTANT: The fuel filler cap must be firmly secured to prevent fuel leakage during operation.



CS148

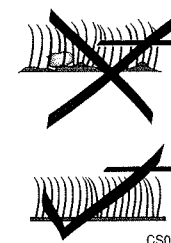
BEFORE STARTING THE ENGINE

Continued.

WARNING - PREVENT ACCIDENTS: The cutterbar rotates when the engine is operating.

ALWAYS operate the engine stop lever several times and ensure the engine stop cable moves freely before starting the engine.

ALWAYS position the mower on a level stone free grass surface before starting the engine. The engine will be difficult to start if the cutterbar is prevented from rotating freely. Ensure that the cutterbar is set above the level of the grass, for easy starting.



CS037

TO START THE ENGINE

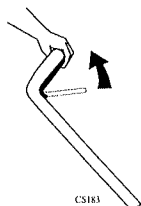
Operate the throttle control lever: Push the lever to 'choke' position before starting a cold engine.



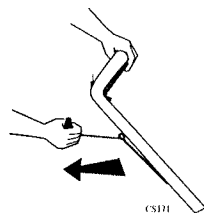
Push the lever to the 'fast' position when starting a warm engine. Use of the choke is usually unnecessary when starting a warm engine.



Operate the engine stop lever: Use one hand to hold the engine stop lever in the operating position firmly against the handlebar. To start and operate the engine, the engine stop lever must be held in the operating position. If the engine stop lever is released the engine will stop.

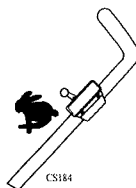


Operate the engine start - grip: Stand behind the mower and maintain a firm hold on the handlebar and the engine stop lever to prevent the mower moving towards you. Use your right hand to hold the engine start - grip and pull slowly until resistance is felt, then pull rapidly to crank the engine. When the engine starts carefully return the engine start - grip to the storage position. If the engine does not start after 5 attempts - refer to "Fault Finding".



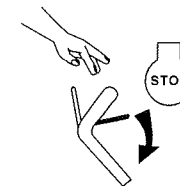
Once the engine has started: When the engine is running operate the throttle control lever into the fast position.

IMPORTANT - PREVENT ENGINE DAMAGE: Never pull the engine start - grip when the engine is running.

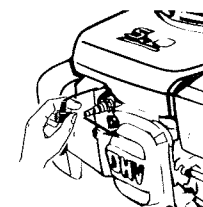


STOPPING THE ENGINE

Stopping the engine: Disengage the engine stop lever by releasing the lever.



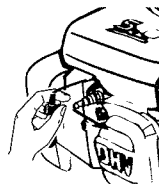
Emergency stop: If the throttle control lever fails, disconnect the spark plug lead to stop the engine.



SAFETY NOTICE

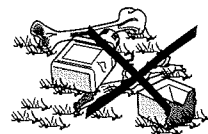


WARNING - PREVENT ACCIDENTAL STARTING: Always stop the engine and disconnect the spark plug lead before cleaning, inspecting or working on the machine.



WARNING - PREVENT ACCIDENTS : Before mowing, thoroughly inspect the area where the mower is to be used and remove all objects which when contacted by the mower cutterbar could become dangerous projectiles.

Inspect the area for hidden obstructions which when contacted by the cutterbar could risk health and safety. Remember the location of these obstructions and ensure that you mow around them.

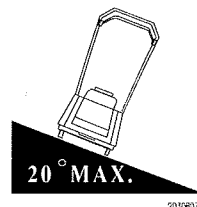


CS031



WARNING - PREVENT ACCIDENTS: ALWAYS check the condition of the rear flap for signs of damage. Replace a damaged rear flap immediately. Never operate the mower with a damaged rear flap.

IMPORTANT - PREVENT ENGINE DAMAGE : DO NOT use the mower on a slope greater than 20 degrees.



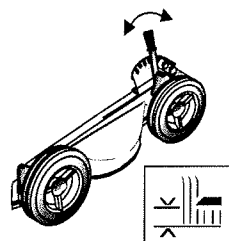
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HEIGHT OF CUT

To adjust the height of cut : Grip the handle and pull it towards you to disengage the locking mechanism. Push it forwards to lower the height of cut or pull it rearwards to raise the height of cut. Release the handle to secure the mower at the required position.

There are seven height of cut positions.

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

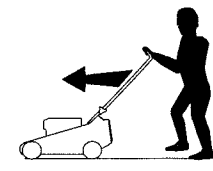


CS092

TRAVEL

Forward travel: Hold and push against the handlebar with both hands to move the mower forwards.

Reverse travel: Hold and pull against the handlebar with both hands to reverse the mower towards you.



CS024



WARNING - PREVENT ACCIDENTS: Always reverse the mower carefully towards you. Always disengage the cutterbar drive before walking backwards with the mower.

TURNING THE MOWER

To make a wide turn: Steer the mower with the handlebar whilst travelling forward.

To make a tight turn: Stop and apply downward pressure on the handlebar to raise the front wheels of the mower just above ground level and steer the mower using the handlebar in the required direction.



WARNING - 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.


MOVING THE MOWER ACROSS NON-GRASSED AREAS

Set the mower to its maximum height of cut to protect the cutting mechanism when moving the mower over surfaces other than grass.

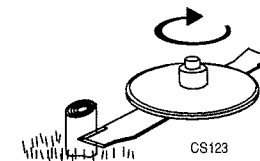
 **WARNING - PREVENT ACCIDENTS:** Push the mower carefully at slow walking speed with the engine switched off.


CUTTERBAR OPERATION

The cutterbar rotates at the same speed as the engine. The cutterbar will stop within three seconds of the engine being switched off.

 **WARNING - PREVENT ACCIDENTS:** DO NOT operate the mower if the cutterbar fails to stop within three seconds. Return the mower to your Hayter dealer for examination and repair.

The cutterbar is driven by the engine via a friction device to help prevent damage occurring to the cutting mechanism when a hidden obstruction or overload is encountered. When the obstruction or overload is removed, the friction device will automatically reset.



 **WARNING - PREVENT ACCIDENTS:** ALWAYS stop the engine when a hidden obstruction or excessive vibration is encountered. Disconnect the spark plug lead and examine the cutting mechanism. ALWAYS replace a damaged cutterbar - refer to "Maintenance".

MOWING AND GRASS CARE TIPS

In dry weather conditions leave the grass long to help retain ground moisture.

Aerate the lawn to stimulate soil organisms and root growth. In spring and late summer remove dead grass and aerate the lawn by raking or similar means.

Keep the cutterbar sharp. A blunt cutterbar will tear the grass and cause the tips to turn brown.

MOWING AND GRASS CARE TIPS

Continued

Prevent scalping. Plan your direction of travel to mow across hollows and humps.

Prevent grass damage. Take care when turning the mower.

Prevent grass damage. DO NOT mow in wet conditions.

Brush the lawn surface to disperse worm casts before mowing.

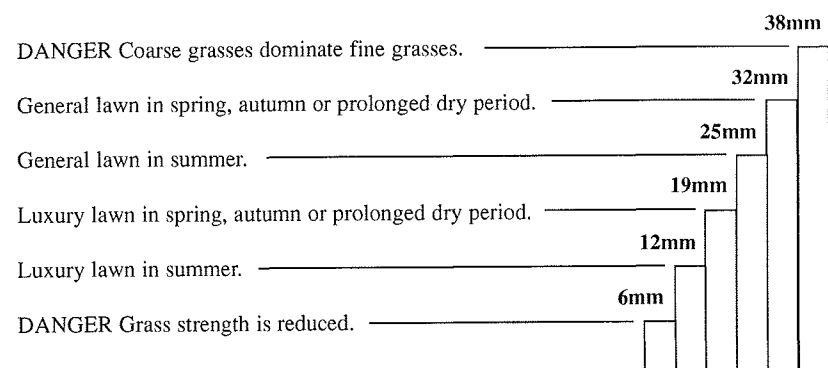
Spike compacted lawn areas with a fork. Fill the holes with sand to improve aeration and drainage.

Mow lawns in a different direction to the previous cut.

Mow lawns twice a week when the grass is growing vigorously in the summer.

Mow lawns once a week in spring, autumn and during prolonged dry weather in the summer.

Prevent grass damage - DO NOT remove more than one third of the grass height in one cut.

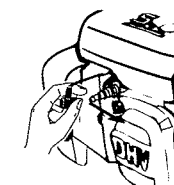
Recommended grass heights for lawns:**MAINTENANCE****ENGINE**

Engine Owner's Manual: For details of engine maintenance refer to the engine owner's manual supplied with your mower.

**OIL SERVICE**

WARNING - PREVENT ACCIDENTS: Drain fuel from the tank by running the engine until the fuel tank is empty before attempting to tip the mower for oil draining purposes.

Remove the spark plug lead and allow the engine to cool.
Tip the mower onto its right hand side thus ensuring that the air cleaner is kept uppermost to prevent engine damage.
Remove the oil filler dipstick and drain the oil into a suitable container.

**DECK HOUSING**

Remove grass debris from the deck housing and around the engine immediately after use.

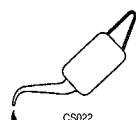
IMPORTANT - PREVENT DAMAGE: Fertilisers and top dressings are particularly corrosive. Thoroughly clean the mower deck immediately after use on treated grass and store well away from corrosive materials.

SECURING NUTS AND BOLTS

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

**LUBRICATION**

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

**CONTROL CABLES**

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

IMPORTANT: ALWAYS replace damaged cables.

CUTTERBAR

WARNING - PREVENT ACCIDENTS: Never work on the cutterbar unless the spark plug lead has been removed. The cutterbar has sharp edges. **ALWAYS** wear strong gloves to protect your hands when working on the cutterbar. **DO NOT** rotate tools towards the cutting edges to avoid the risk of injury should the tool slip. **ALWAYS** use genuine Hayter replacement parts.

CUTTERBAR

Continued.



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

Regularly check that the bolt securing the cutterbar and friction disc is secure.

Cutterbar securing bolt torque setting 54Nm (40 lbs. ft).

A damaged cutterbar will cause the cutting mechanism to be out of balance and excessive vibration will occur which may lead to breakage. **DO NOT** use an unbalanced cutterbar.

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

How to remove the cutterbar: Run the engine until the fuel tank is empty. **Remove the spark plug lead** and allow the engine to cool. Turn the mower on its right hand side and ensure that the air cleaner side of the engine is uppermost. Firmly grip the cutterbar with the gloved hand and remove the cutterbar bolt, spring washer and distance piece securing the cutterbar.

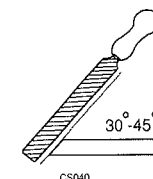
How to assemble the cutterbar: Assemble the cutterbar with the blade edges away from the engine. Secure the cutterbar using the original bolt, spring washer and distance piece and tighten to a torque of 54 Nm (40 lbs ft).

How to sharpen and balance the cutterbar: A slightly worn cutterbar may be re-sharpened. All cutting edges must be sharpened equally to ensure balance. Sharpen the cutterbar every 25 mowing hours or more frequently if conditions require.

Remove the cutterbar from the mower and clean using a brush and water. Inspect the cutterbar for signs of damage.



WARNING - PREVENT ACCIDENTS: DO NOT use a damaged or excessively worn cutterbar.



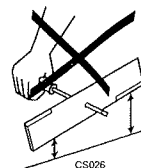
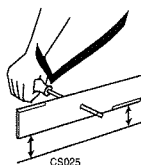
CUTTERBAR

Continued.

Sharpen both cutting edges with a flat file to restore the original cutting edge.

Ensure that the cutterbar is balanced. Use a screw driver with a round shaft to support the cutterbar through its centre hole. Hold the cutterbar horizontal and then release. A balanced cutterbar will remain horizontal. If the cutterbar is not balanced the heavy end will rotate downwards. Sharpen the heavy end until the cutterbar is correctly balanced.

A sharp and balanced cutterbar will give optimum performance.

**PREPARING THE MOWER FOR STORAGE**

Storage for periods in excess of 30 days: Engines stored in excess of 30 days need to be protected with a fuel stabiliser 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 and the engine owner's manual 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.** Operate the engine stop lever and 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, cooling fins, airways in the top cowl and around behind the exhaust muffler / muffler guard.

Clean all other areas of the mower.

Lubricate the mower.

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

Rest the mower deck on wooden blocks to remove the weight of the machine from the wheels.

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

IMPORTANT - PREVENT DAMAGE: 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.

FAULT FINDING

PROBLEM	POSSIBLE FAULT	REMEDY
Engine will not turn over	Engine stop lever released	Operate the engine stop lever
	Incorrect oil level	Check oil level
	Obstruction under deck	Remove obstruction
Engine smokes	Excess oil level	Check oil level
	Air cleaner plugged	Service air cleaner
Engine runs then stops	Fuel starvation	Fill fuel tank
	Fuel cap vent blocked	Clean fuel cap vent

FAULT FINDING

Continued.

PROBLEM	POSSIBLE FAULT	REMEDY
Engine will not start	Engine under load	Raise height of cut
	Fuel starvation	Fill fuel tank/check fuel filter
	Incorrect/contaminated fuel	Drain fuel tank and fill with correct fuel
	Spark plug lead disconnected	Connect spark plug lead
	Engine cold	Set throttle to 'choke' position
	Engine brake not released	Operate engine stop lever.
Engine runs rough	Faulty spark plug	Clean and adjust gap or replace
	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 fuel tank and fill with correct fuel
	Mounting bolts loose	Tighten bolts
Engine vibrates excessively	Cutterbar bolt loose	Tighten bolt
	Cutterbar out of balance	Balance cutterbar
	Engine crankshaft bent	Consult your dealer

FAULT FINDING

Continued.

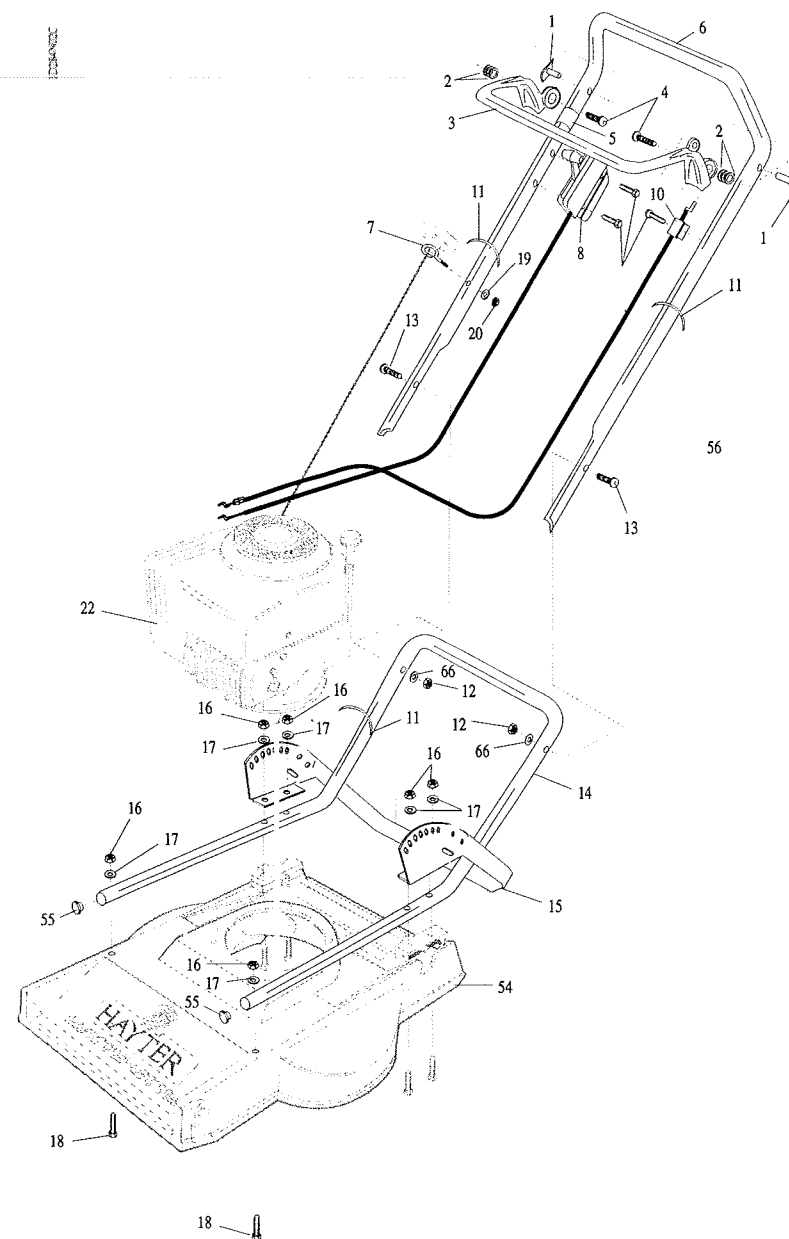
PROBLEM	POSSIBLE FAULT	REMEDY
Uneven cut	Undulating ground conditions	Change direction of travel
	Cutterbar worn	Renew cutterbar
	Cutterbar out of balance	Balance cutterbar
	Wheels damaged	Inspect and replace as necessary
Mower is hard to push	Cut height too low	Increase cut height
	Wheels / roller damaged	Inspect and lubricate or replace as necessary

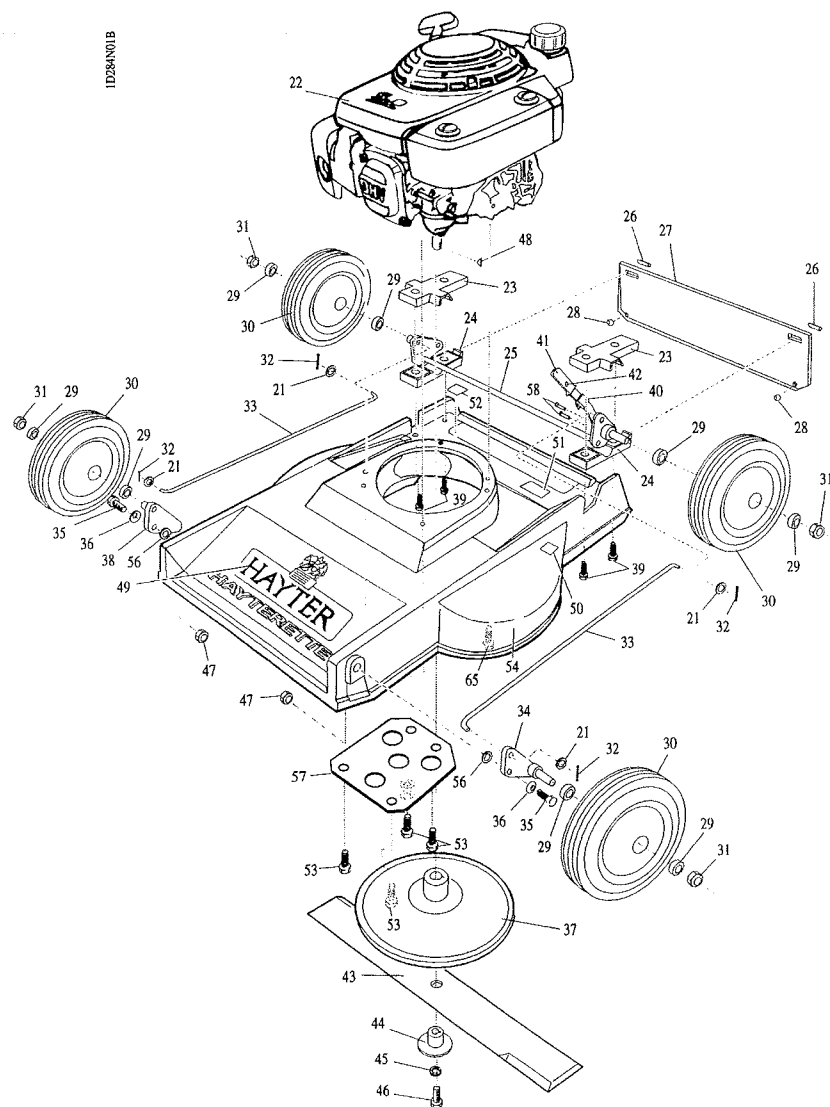
PARTS LIST

ITEM NO.	DESCRIPTION	PART NO.	QTY
1	Pin - Pivot	340182	2
2	Washer - 19mm Nylon	09688	6
3	Lever - Engine Stop	340179	1
4	Screw - 6mm x 20	09687	2
5	Decal - (Engine Stop)	331046	1
6	Handlebar - Upper	284028W	1
7	Guide - Rope	305093	1
8	Throttle Control & Cable	319004	1
9	Screw - M5 x 35mm Tapite	09358	3
10	Cable - Engine Brake	005102	1
11	Tie - Cable	3966	2
12	Handwheel - Triangular	226013	2
13	Bolt - M8 x 45 Handlebar	226024	2
14	Handlebar - Lower	005121W	1
15	Footguard	005139W	1
16	Nut - M8 Nyloc	09442	6
17	Washer - M8 Plain	09475	6
18	Bolt - M8 x 40	09681	2
19	Washer - M6 Plain	09472	1
20	Nut - M6 Nyloc	09438	1
21	5/16" x 5/8" O/D Washer	09266	4
22	Engine Compliance	284048	1
23	Bearing Block - Upper	005146	2
24	Bearing Block - Lower	005145	2
25	Axle - Rear Assembly	005130	1
26	Pin - Spring	254013	2
27	Flap - Rear	005097	1
28	Grommet - Rubber	6289	2
29	Bearing	284031	8
30	Wheel - 8"	284030	4
31	Nut - 1/2" UNF Nyloc Ext. Thin	4486	4
32	Pin - Split 1/2" x 3/32" Diameter	09303	4
33	Connecting Rod	005135	2
34	Axle - Front W/A L/H	005126	1
35	Bolt - Axle Pivot	005129	2
36	Spring - Disc	4912	2
37	Disc - Friction	219203W	1
38	Axle - Front W/A R/H	005125	1
39	Bolt - M8 x 75	09372	4
40	Clip - Spring Handle Retaining	4884	1
41	Handle Grip - Black	4097	1

PARTS LIST

ITEM NO.	DESCRIPTION	PART NO.	QTY
42	Rivet	09320	1
43	Cutterbar - 18"	5637	1
44	Distance Piece - Cutterbar	4014	1
45	Washer - 3/8" Spring S/C	09273	1
46	Screw - 3/8" UNF x 1 1/4"	09116	1
47	Nut - 3/8" UNF Nyloc	09216	2
48	Key - Woodruff	1662	1
49	Decal - (Hayter & Royal Warrant)	219186	1
50	Decal - (Height of Cut)	320006	1
51	Decal - (Caution)	219189	1
52	Decal - (Serial No.)	-	1
53	3/8" UNC x 1.1/4" Taptite Screw	09349	4
54	Deck	005140V	1
55	Plug - Tube	320048	2
56	Washer - 3/8" x 1 1/4" Plain	02394	2
57	Underguard	284024	1





Machine Serial Number:

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Engine Serial Number:

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