HAYTER LIMITED, SPELLBROOK, BISHOP'S STORTFORD, HERTS. CM23 4BU, ENGLAND.

HAYTER

MAKERS OF THE FINEST MOWERS

AMBASSADOR 3

CODE

390L	392L
(Auto Drive) 10 Blade	(Auto Drive) 5 Blade

OWNER'S HANDBOOK

HAYTER LIMITED, SPELLBROOK, BISHOP'S STORTFORD, HERTS. CM23 4BU, ENGLAND.

CERTIFICATE OF CONFORMITY

I, the undersigned A. D. BONE, of ;

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

certify that the lawnmowers;	CODE 390L	CODE 392L
1. Model No.	390L	392L
2. Category.	Combustion Engine	Combustion Engine
3. Make.	Hayter	Hayter
4. Type.	Cylinder	Cylinder
5. Engine - Manufacturer.	Briggs & Stratton	Briggs & Stratton
- Type.	12T882	12T882
- Speed of rotation during test.	2900 rpm	2900 rpm

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

Guaranteed maximum sound power level.	100 dB(A)	100 dB(A)
- Type of cutting device.	Cylinder	Cylinder
- Width of cutting device.	50.8 cm	50.8 cm
- Speed of rotation of the cutting device.	1040 rpm	1040 rpm
TESTED AT SUDBURY, SUFFOLK, ENGLAND.	11.9.92	11.9.92

Signed:

A.D.Bone
(Technical Manager).

EC DECLARATION OF CONFORMITY

Company Name	HAYTER LIMITED.	
Company Address	Spellbrook Lane West Spellbrook Bishop's Stortford Herts. CM23 4BU, ENGLAND.	
Machine Type No.	Code 390L	Code 392L
Models	Ambassador 3 10 Blade	Ambassador 3 5 Blade

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.

Standards Used: BS5107. EN292. ISO 3767. ISO 3789. ISO 3864. ISO 4196. ISO 5395.

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

Signed: Date: 1st September 1994

A.D.Bone
(Technical Manager).

Lawnmower vibration information. RMS acceleration measured in 3 - axes at operators contact position on the handlebars. Code 390L = 3.4 ms $^{-2}$ Code 392L = 3.4 ms $^{-2}$

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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: 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 one year from the date of purchase. This warranty does not cover engines, batteries (except as noted below), or wearing parts i.e. cutterbars, wheels and tyres. If you are uncertain whether your machine contains or is equipped with one or more of these parts, consult your dealer for clarification. 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.

Engine manufacturers furnish their own warranties and provide services through their authorised network. If you experience any difficulty in obtaining warranty for these items, please contact your specialist **Hayter** dealer.

This warranty which is not capable of assignment, 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 materials or workmanship. Consult the owners handbook or your authorised **Hayter** 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 the authorised **Hayter** dealer through whom the machine was originally supplied, along with proof of purchase indicating the machine serial number and purchase date. 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, Herts. CM23 4BU.

SAFETY PRECAUTIONS

THIS SYMBOL MEANS BE ALERT! YOUR SAFETY IS INVOLVED. EXERCISE GREAT CARE AND FOLLOW THE ADVICE GIVEN TO AVOID POTENTIALLY HAZARDOUS SITUATIONS.

The Ambassador 3 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 stones, sticks, wires, bones and other foreign objects.

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.

If petrol is spilled, do not attempt to start the engine but move the mower away from the area of spillage. Avoid creating any source of ignition until petrol vapours have dissipated.

Replace faulty silencers.

SAFETY PRECAUTIONS Continued.

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 cutting cylinder and loose fixing bolts are major hazards. Before use, visually inspect the cutting mechanism to ensure that it is in good condition. A damaged cutting cylinder or bedknife must be replaced immediately with genuine **Hayter** replacement parts. An unbalanced cutting mechanism 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.

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 engine 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.

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

SAFETY PRECAUTIONS Continued.

Operation continued:

- Disengage the cylinder and roller drive clutch levers before starting the engine.
- Start the engine carefully, with feet well away from the cutting cylinder.
- 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.
- Stop the engine:
  - Whenever you leave the mower.
  - Before refuelling.
  - 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).
- When using the machine, do not remove the grassbox whilst the mower is in operation.

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

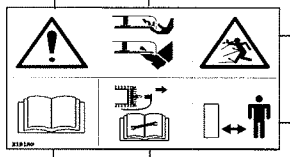
SAFETY PRECAUTIONS Continued.

Maintenance and storage:

- Keep all nuts, bolts and screws tight to ensure that the equipment is in safe operating condition.
- 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, silencer and petrol storage area free of grass, leaves, or excessive grease.
- Check the grassbox frequently for wear or deterioration.
- 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



WARNING - CAUTION RISK OF DANGER - SAFETY ALERT.

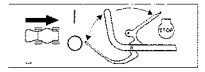
DANGER OF SEVERING TOES OR FINGERS IN CUTTING MECHANISM.

DANGER OF BEING HIT BY THROWN OBJECTS. KEEP BYSTANDERS AT A SAFE DISTANCE FROM THE MACHINE.

STOP ENGINE AND REMOVE SPARK PLUG LEAD BEFORE PERFORMING MAINTENANCE OR REPAIR WORK.

CAREFULLY READ THE OWNER'S HANDBOOK BEFORE USING THE MACHINE.

TRANSMISSION CLUTCH/ ENGINE STOP DECAL:
Part No. 331047



THROTTLE CONTROL/ REEL CLUTCH DECAL:
Part No. 390107



CUT HEIGHT ADJUSTER DECAL :
Part No. 320006



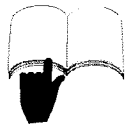
SPECIFICATIONS

MODEL	CODE 390L	CODE 392L
Engine	Briggs & Stratton	
Engine type	12T882-1570-21	
Engine speed	2900 rpm	
Fuel type	Unleaded petrol rated minimum octane 77	
Fuel capacity	1.5 litres (2.7 UK pints)	
Oil type	SAE 30 engine oil	
Oil sump capacity	0.6 litres (1.1 UK pints)	
Cutting width	510mm (20 inch)	
Cutting height	3 - 32mm (0.125 - 1.25 inch)	
Overall dimensions	1500 x 650 x 1110mm (59 x 25.6 x 43.7 inch)	
Dry Weight	73 Kg (161 lbs)	71Kg (156 lbs)
Cylinder diameter	130mm (5.125")	
Number of blades	10	5
Cylinder speed	1020 rpm	

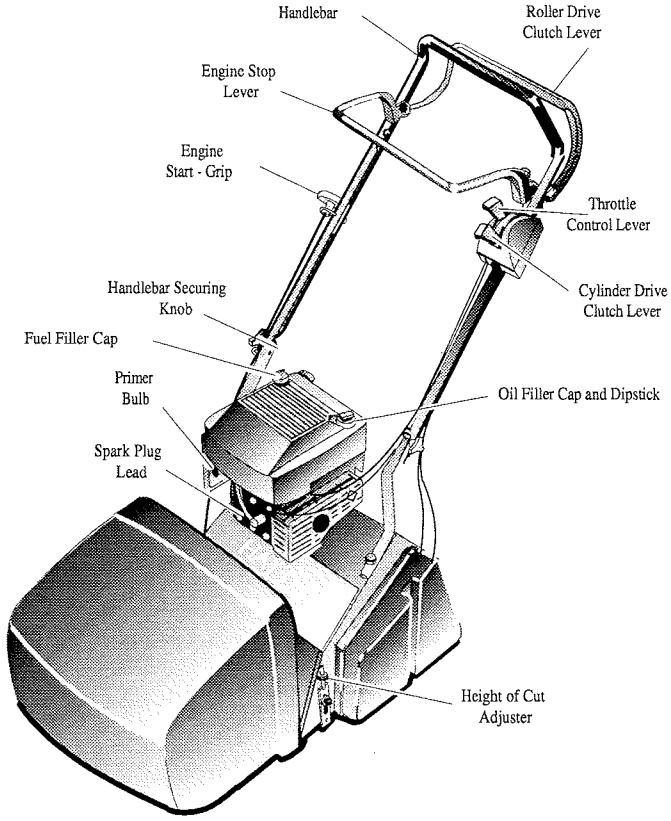
ASSEMBLY INSTRUCTIONS

SAFETY NOTICE

Before using the mower, read the owners handbook carefully. Pay particular attention to the safety precautions.



GENERAL ASSEMBLY



1D390L5C.DRW

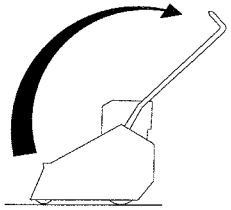
ASSEMBLING THE MOWER FOR THE FIRST TIME

DELIVERY CHECKLIST

Description	Quantity
Grassbox	1
Owner's Handbook	1
Engine Handbook	1
Setting Bar	1

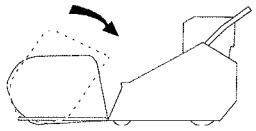
Check that parts are delivered correctly: Remove the mower from the packaging and check that all loose items have been supplied correctly. Refer to the delivery checklist opposite and the general assembly. If any items are missing, contact your local Hayter Dealer.

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.



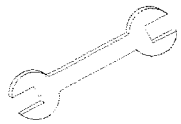
CAUTION - PREVENT DAMAGE : When unfolding the handlebar, take care to ensure that the controls and cables do not become damaged. Always replace damaged controls and cables before using the mower.

Assemble the grassbox : Lower the grassbox into the grassbox frame.

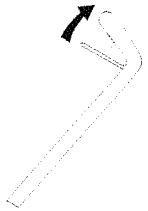


ASSEMBLING THE MOWER FOR THE FIRST TIME Continued.

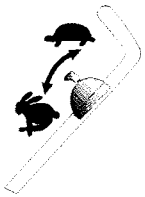
Check that all fasteners are secure.



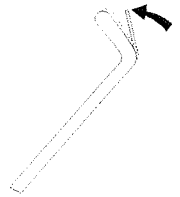
Check engine stop lever operation: Operate the engine stop lever several times. Ensure that the cable moves freely and that the lever returns automatically to the engine stop position when released.



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



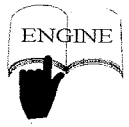
Check roller drive clutch lever operation: Operate the clutch lever several times and ensure that the cable moves freely.



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 - refer to "Before starting the engine".

STARTING THE ENGINE

BEFORE STARTING THE ENGINE



Read the engine operating and maintenance instructions handbook supplied with this mower.

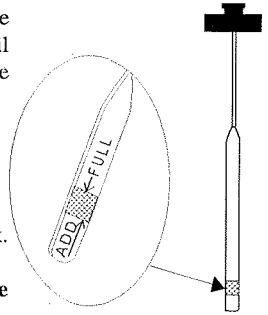
WARNING: PREVENT ACCIDENTS - The cutting cylinder rotates when the engine is operating with the cutting cylinder drive clutch engaged.

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.

ALWAYS ensure that the cutting cylinder drive and roller drive are disengaged before starting the engine.

Check oil level: 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.

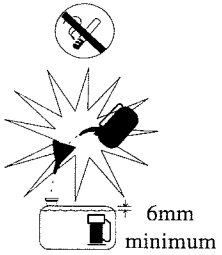


The oil level is correct when it is between the **add** and **full** marks on the dipstick.

Add SAE 30 engine oil as necessary and replace the oil filler- dipstick.

IMPORTANT: The oil filler - dipstick must be secure while the engine is running.

Check fuel level: Remove the fuel filler cap and fill the fuel tank with clean unleaded petrol rated minimum octane 77.



Do not overfill the fuel tank. Allow 6mm minimum of tank space for fuel expansion.

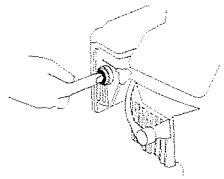
IMPORTANT: The fuel filler cap must be secure while the engine is running.

TO START THE ENGINE

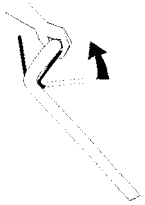
Operate the throttle control lever: Push the lever to the fast position.



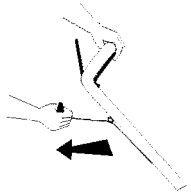
Operate the primer bulb: Push on the primer bulb 3 times at 2 second intervals to provide the extra fuel required to start a cold engine. Operation of the primer bulb is usually unnecessary when starting a warm engine.



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 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".



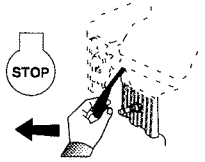
IMPORTANT: Prevent engine damage. Never pull the engine start-grip when the engine is running.

STOPPING THE ENGINE

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

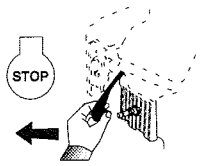


Emergency stop: If the engine stop lever fails, disconnect the spark plug lead to stop the engine.



SAFETY NOTICE

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



CAUTION: Before mowing, thoroughly inspect the area where the mower is to be used and remove all stones, sticks, wires, bones and other foreign objects, which when contacted by the mower cutting cylinder could become dangerous projectiles.
Inspect the area for hidden obstructions which when contacted by the cutting cylinder could risk health and safety. Remember the location of these obstructions and ensure that you mow around them.

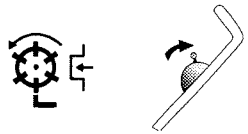


CAUTION: Prevent engine damage - DO NOT use the mower on a slope greater than 20 degrees.

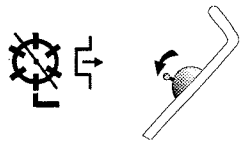


CYLINDER DRIVE

To engage cylinder drive: Operate the cylinder drive clutch lever to its rear position.



To disengage cylinder drive: Operate the cylinder drive clutch lever to its forward position.

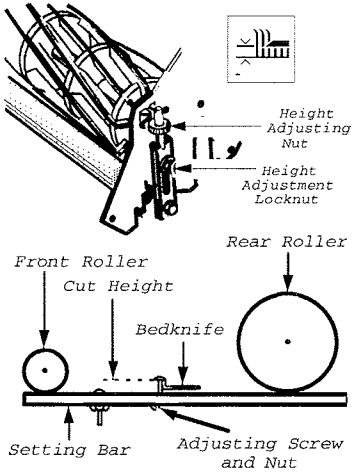


Cylinder speed: Cylinder speed is controlled by the speed of the engine. Increase engine speed to increase cylinder speed, decrease engine speed to decrease cylinder speed.

HEIGHT OF CUT

To adjust the height of cut: Loosen the height adjustment locknuts on both sides of the machine. Rotate the adjusting nuts anti - clockwise to increase the height of cut, or clockwise to decrease the height of cut. To set the height of cut accurately utilise the setting bar as shown across the full cut width. Tighten the height adjustment locknuts on both sides of the machine when adjustment is complete.

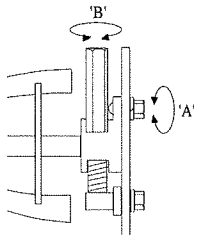
Setting Bar Part No. 390072.



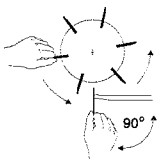
CYLINDER TO BEDKNIFE ADJUSTMENT

IMPORTANT: PREVENT DAMAGE - It is essential that the relationship between the bedknife and the cylinder is kept in good adjustment in order to ensure good cutting performance, minimum power consumption and prolonged life for cutting edges.

To adjust the cylinder to bedknife clearance: Loosen the cylinder adjuster clamp bolts 'A' 1/4 turn on both sides of the machine. Rotate the cylinder adjustment bolts 'B'anti - clockwise to reduce clearance, or clockwise to increase clearance. Tighten the adjuster clamp bolts on both ends of the machine when adjustment is complete.

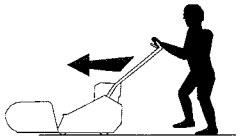


Check that the cylinder is correctly set to the bedknife using a gauge. Alternatively hold a thin piece of paper between the cylinder and bedknife, carefully rotate the cylinder by hand and check that the paper is cleanly cut at all points along the length of the bedknife. Hold the paper at 90 degrees (right angles) to the bedknife to obtain the correct cutting action as shown. To achieve a quality cut the clearance between the cylinder and bedknife must be correctly set at 0.05mm (0.002"). During operation regular adjustment is necessary to compensate for wear.



TRAVEL

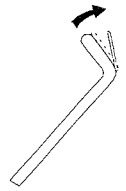
Forward travel - Hold the handlebar and operate the clutch lever to achieve forward travel. Travel speed is controlled by engine speed. Increase engine speed to increase forward travel speed





Release the clutch lever to stop forward travel.

When the clutch lever is disengaged the mower can be operated as a push model. This feature is useful when mowing in confined areas.



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

WARNING: PREVENT ACCIDENTS - Always reverse the mower carefully towards you. Always switch off the engine 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 forward travel. Apply downward pressure on the handlebar to raise the front roller of the mower just above ground level and steer the mower using the handlebar in the required direction.

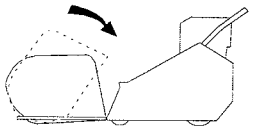
WARNING: PREVENT ACCIDENTS - DO NOT raise the front of the mower excessively when making a turn. NEVER raise the rear of the mower when the engine is running.

MOWING WITH GRASS COLLECTION

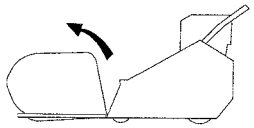
The grassbox is designed to collect grass clippings. To achieve best grass collection performance, mow at a maximum engine speed in dry conditions.

WARNING: PREVENT ACCIDENTS - ALWAYS stop the engine and disconnect the spark plug lead before attempting to remove a grass blockage.

Grassbox attachment: Lower the grassbbox into the grassbox frame.



Grassbox removal: Raise the grassbox away from the grassbox frame.



TRANSPORTING THE MOWER

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

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

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 areate the lawn by raking or using a purpose made product.

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

Prevent grass damage. Stop forward travel when making a turn.

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.

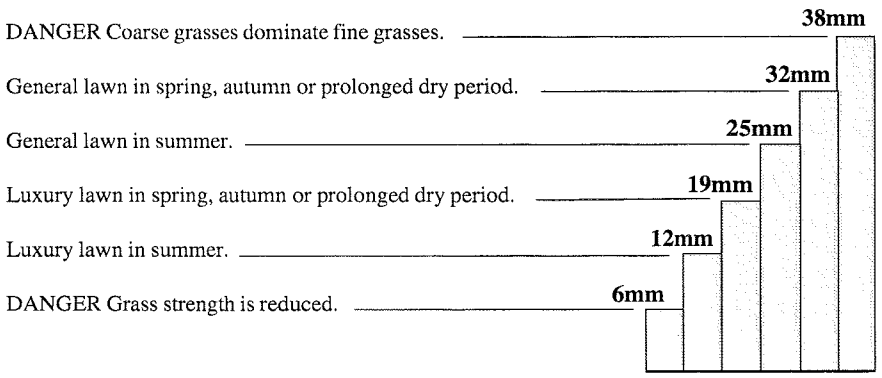
Mow lawns twice a week when the grass is growing vigorously in the summer.

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

Adjust the cylinder to the bedknife regularly to maintain sharp edges. Blunt cutting edges will tear the grass and cause the tips to turn brown.

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

A guide to recommended cut height:



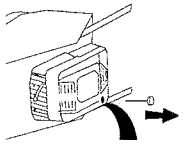
MAINTENANCE

ENGINE

Engine handbook: For details of engine maintenance refer to the engine operating and maintenance instructions handbook supplied with your mower.



IMPORTANT - Draining engine oil: To drain the engine oil, first drain fuel by operating the engine until the fuel tank is empty and the engine stops. Remove the spark plug lead and allow the engine to cool. Position the mower on its left hand side and ensure that the air cleaner side of the engine is kept uppermost to prevent engine damage. Remove the oil filler-dipstick to drain the oil.



WARNING: PREVENT ACCIDENTS - The mower is heavy, seek assistance when lifting the mower.

GRASSBOX

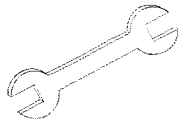
Remove grass debris from the grassbox immediately after use and check its condition for signs of damage.

MAINFRAME

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

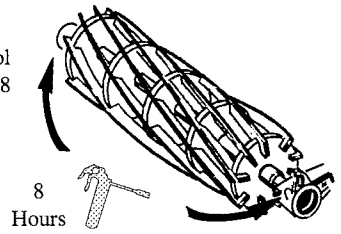
SECURING NUTS AND BOLTS

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



LUBRICATION

Lubricate the cylinder bearing housings and the inner control cables at the point of entry and exit from their housings every 8 operating hours with a good quality medium grease.

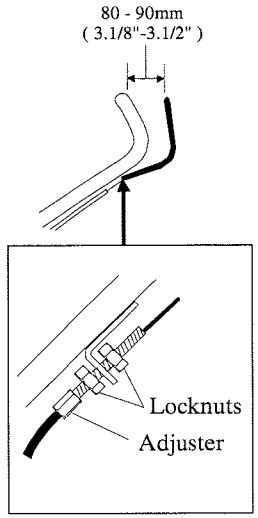


Lubricate the pivot points and linkages with engine oil every 25 operating hours.



ROLLER DRIVE CLUTCH CABLE ADJUSTMENT

Check the roller drive clutch cable operation every 25 operating hours and adjust if necessary. The clutch cable is adjusted correctly when the rear axle drive just engages with the clutch lever positioned 80-90mm (3.1/8" - 3.1/2") from the handlebar.



Whilst the engine is running, slowly operate the roller drive clutch lever to determine when the rear axle drive just engages.

WARNING: PREVENT ACCIDENTS - Switch off the engine before making any adjustments.

Unscrew the locknut and screw the adjuster as necessary. Tighten the locknut when correctly adjusted.

IMPORTANT: Prevent damage - ALWAYS operate the mower with the clutch cable correctly adjusted.
ALWAYS replace damaged cables.

CYLINDER / BEDKNIFE

Adjust the cylinder to the bedknife, refer - OPERATING THE MOWER, CYLINDER TO BEDKNIFE ADJUSTMENT.

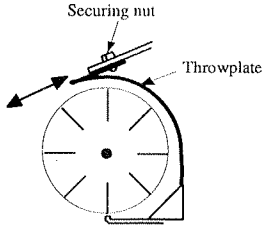
Inspect the condition of the cylinder and bedknife for signs of damage. Replace damaged components or have the parts serviced by a Hayter dealer as necessary.

When replacing the bedknife tighten the blade screws to 7 Nm (5 lb.ft) torque.

Treat the cutting edges with a corrosion inhibitor before storing the mower to help maintain sharp edges.

THROWPLATE ADJUSTMENT

The clearance between the throwplate and the cylinder affects grass discharge performance. Adjusting the throwplate position varies the distance that grass is thrown towards the grassbox. Set the throwplate position to compensate for cylinder wear - adjustment, and to suit operating conditions.

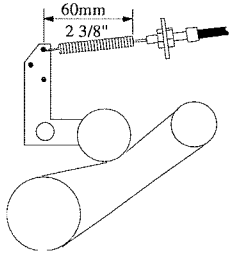


Unscrew the 2 securing nuts 1 turn and move the throwplate forwards to reduce the clearance to the cylinder, or backwards to increase the clearance as shown.

Tighten the 2 securing nuts.

CYLINDER DRIVE CLUTCH ADJUSTMENT

Check the cylinder drive clutch cable operation every 25 operating hours and adjust if necessary. Remove the drive cover to gain access to the cylinder drive system. The clutch cable is correctly adjusted when the tension spring length is 60mm (2 3/8") with the clutch engaged as shown.

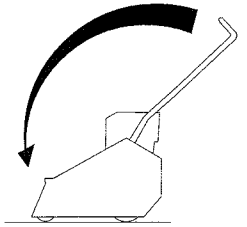


Unscrew the locknut and screw the adjuster as necessary.

Tighten the locknut when correctly adjusted.

IMPORTANT: PREVENT DAMAGE - ALWAYS operate the mower with the clutch cable correctly adjusted.
ALWAYS Replace damaged cables.

PREPARING THE MOWER FOR STORAGE



Handlebar storage: To lower the handlebar unscrew the 2 securing knobs sufficiently to allow it to be pivoted forwards to rest against the mower. Take care to ensure that the 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.

Storage for long periods: To ensure your mower is maintained in good working order it is important that the following procedure is adopted when the mower is stored for periods in excess of one month. Refer to the maintenance section and engine handbook 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. Operate the engine brake lever and slowly pull the engine start - grip once to crank the engine. This will distribute the oil and help prevent engine corrosion.

Lubricate the mower.

Disengage the cylinder drive.

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

Lower the handlebar, if desired.

Rest the mower deck on wooden blocks to remove the weight of the mower from its rollers.

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

FAULT FINDING

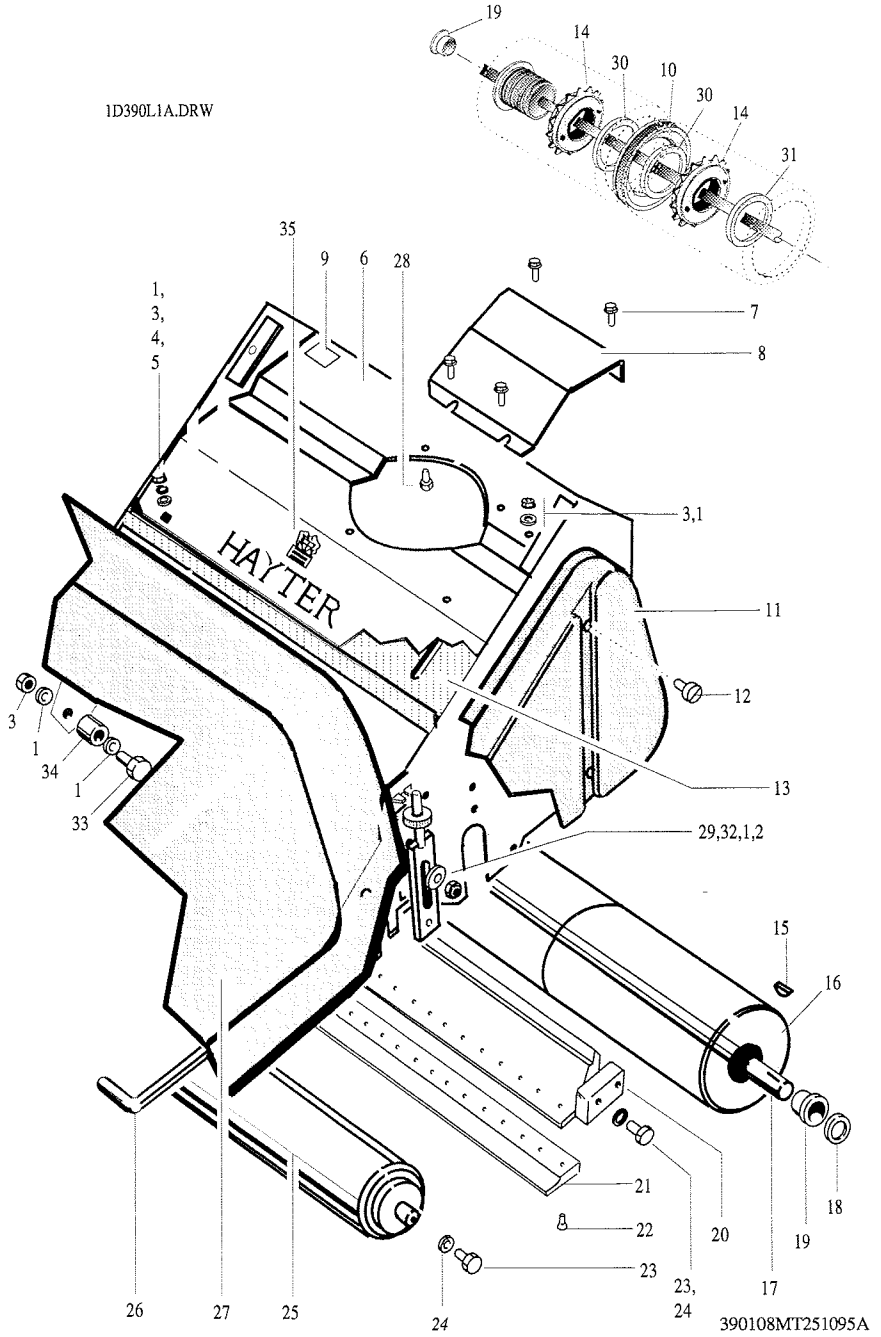
PROBLEM	POSSIBLE FAULT	REMEDY
Engine will not start.	Fuel starvation.	Fill fuel tank.
	Incorrect / contaminated fuel.	Drain fuel tank and fill with correct fuel.
	Spark plug lead disconnected.	Connect spark plug lead.
	Throttle setting incorrect.	Set throttle to fast position.
	Engine brake not released.	Operate engine stop lever.
	Faulty spark plug.	Clean and adjust gap or replace.
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 element blocked.	Replace air cleaner element.
	Incorrect / contaminated fuel.	Drain fuel tank and fill with correct fuel.
Engine vibrates excessively.	Mounting bolts loose.	Tighten bolts.
Uneven cut.	Undulating ground contours.	Change direction of travel.
	Rollers damaged.	Inspect and replace as necessary.
	Cylinder to bedknife clearance incorrect.	Adjust as necessary.
	Cylinder worn.	Regrind cylinder, refer - Hayter dealer.
	Bedknife worn.	Renew bedknife.

FAULT FINDING Continued.

PROBLEM	POSSIBLE FAULT	REMEDY
Mower will not self propel.	Cut height too low.	Increase cut height.
	Rollers damaged.	Inspect and lubricate or replace as necessary.
	Roller drive clutch out of adjustment.	Adjust clutch cable.
	Drive belt damaged.	Replace drive belt.
Poor grass collection.	Throwplate blocked.	Remove blockage.
	Wet grass.	Mow dry grass.
	Grassbox full.	Empty grassbox.
	Slow cylinder speed caused by:	
	- Slow engine speed.	Increase engine speed.
	- Drive belt slip.	Tension drive belt correctly, refer - MAINTENANCE.
	- Drive belt damaged.	Replace drive belt.
	- Overload. (Too much grass)	Increase cut height.
	- Overload (Cylinder tight against bedknife).	Adjust cylinder / bedknife clearance, refer - OPERATING THE MOWER.

PARTS LIST

ITEM NO.	DESCRIPTION	PART NO.	QTY. 390L	QTY. 392L
1	Plain Washer	09475	9	9
2	Spring Washer	03469	2	2
3	M8 Nut Insert 'T'-type (Nylon)	09441	5	5
4	M8 x 20 Coachbolt	09666	2	2
5	M8 Nut Cap	234051	2	2
6	Mainframe	390104V	1	1
7	M6 x 12 Hex. Washer Hd. Screw	09546	4	4
8	Drive Shaft Guard	390057V	1	1
9	Decal - Caution	219189	1	1
10	Shroud Freewheel	340168	1	1
11	Guard Drive	390006	1	1
12	M8 x 25 Mushroom Hd. Screw	09374	2	2
13	Throwplate	390002V	1	1
14	Roller Freewheel	340150	2	2
15	Woodruff Key	5321	1	1
16	Roller	390009W	2	2
17	Roller Shaft Assembly	390011	1	1
18	Spacer	390015	1	1
19	Oilite Bush	340129	2	2
20	Bedknife Support	390025	1	1
21	Bedknife	390026	1	1
22	M6 x 12 Countersunk Screw	09667	9	9
23	M10 x 20 Hex. Hd. Setscrew	09391	6	6
24	Spring Washer (S / C)	09480	6	6
25	Front Roller	390060	1	1
26	Grassbox Frame	390099W	1	1
27	Grassbox	390100	1	1
28	3/8" x 1 1/4" Taptite Screw	09349	3	3
29	M8 x 25 Coach Bolt	09373	2	2
30	Nylon Washer	340149	2	2
31	Locknut	340163	1	1
32	M8 Plain Nut	09443	2	2
33	M8 x 35 Setscrew	09631	2	2
34	Grassbox Stop	390056	2	2
35	Decal - Hayter & Royal Warrant	300157	1	1

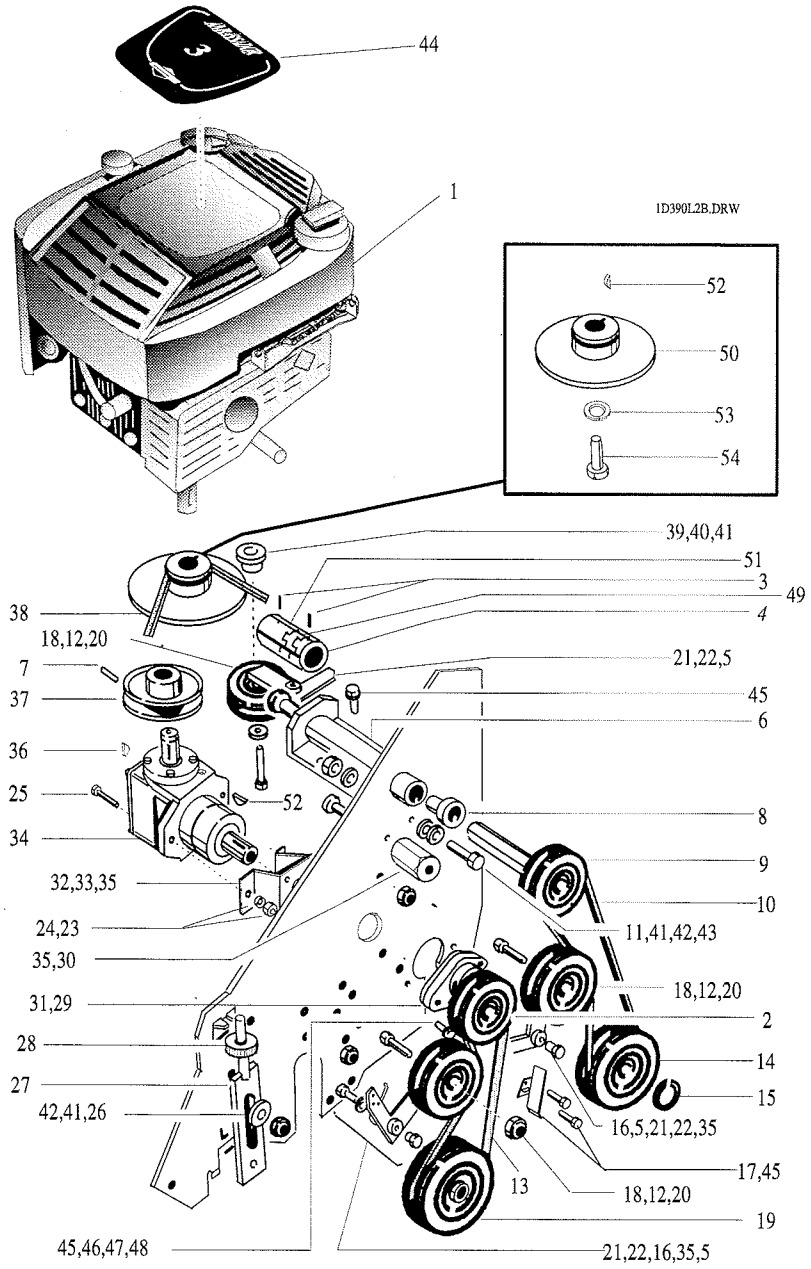


PARTS LIST

ITEM NO.	DESCRIPTION	PART NO.	QTY. 390L	QTY. 392L
1	Engine Compliance A.P.T.O.	219160	1	1
2	Pulley	390058W	1	1
3	Roll Pin	03354	2	2
4	Coupling Short	390082	1	1
5	Oilite Bush	3296	3	3
6	Bearing Tube	390044W	1	1
7	1/4" UNF x 1/4" Skt. Hd. Setscrew	09034	2	2
8	Oilite Bush	3260	2	2
9	Pulley	390050	1	1
10	Belt	390054	1	1
11	M8 x 55 Hex. Hd. Bolt	09565	1	1
12	Pulley	208054W	3	3
13	Belt	390053	1	1
14	Pulley	390013W	1	1
15	Circlip	1428	1	1
16	Pivot Clutch	390032	2	2
17	Belt Guide	390065	1	1
18	3/8" UNF Nut Ins.'T'-type (Nylon)	09216	3	3
19	Pulley	390017W	1	1
20	3/8" UNF x 1 1/2" Hex. Hd. Bolt	09118	3	3
21	Spring	390031	3	3
22	Clutch Lever Assembly	390028	3	3
23	M10 Washer Plain	09479	2	2
24	M10 Nut Insert 'P'-type (Nylon)	09447	2	2
25	M10 x 30 Setscrew	09392	2	2
26	M8 Spring Washer (S / C)	03469	2	2
27	Height Adjuster	390020	2	2
28	Nut Adjuster	390023	2	2
29	Bearing	3058	2	2
30	Post Cover	390063	2	2
31	Closer Roller Slot (N / S)	390047	1	1
32	M8 Nut Insert 'T'-type (Nylon)	09441	4	4
33	Gearbox Bracket	390035W	1	1
34	Gearbox	5645	1	1
35	M8 x 18 Serrated Bolt	201060	8	8
36	Woodruff Key	4325	1	1
37	Pulley	390018W	1	1
38	Belt	390055	1	1
39	Pivot Clutch	390034	1	1
40	M8 x 45 Hex. Hd. Bolt	09654	1	1
41	M8 Plain Washer	09475	3	3

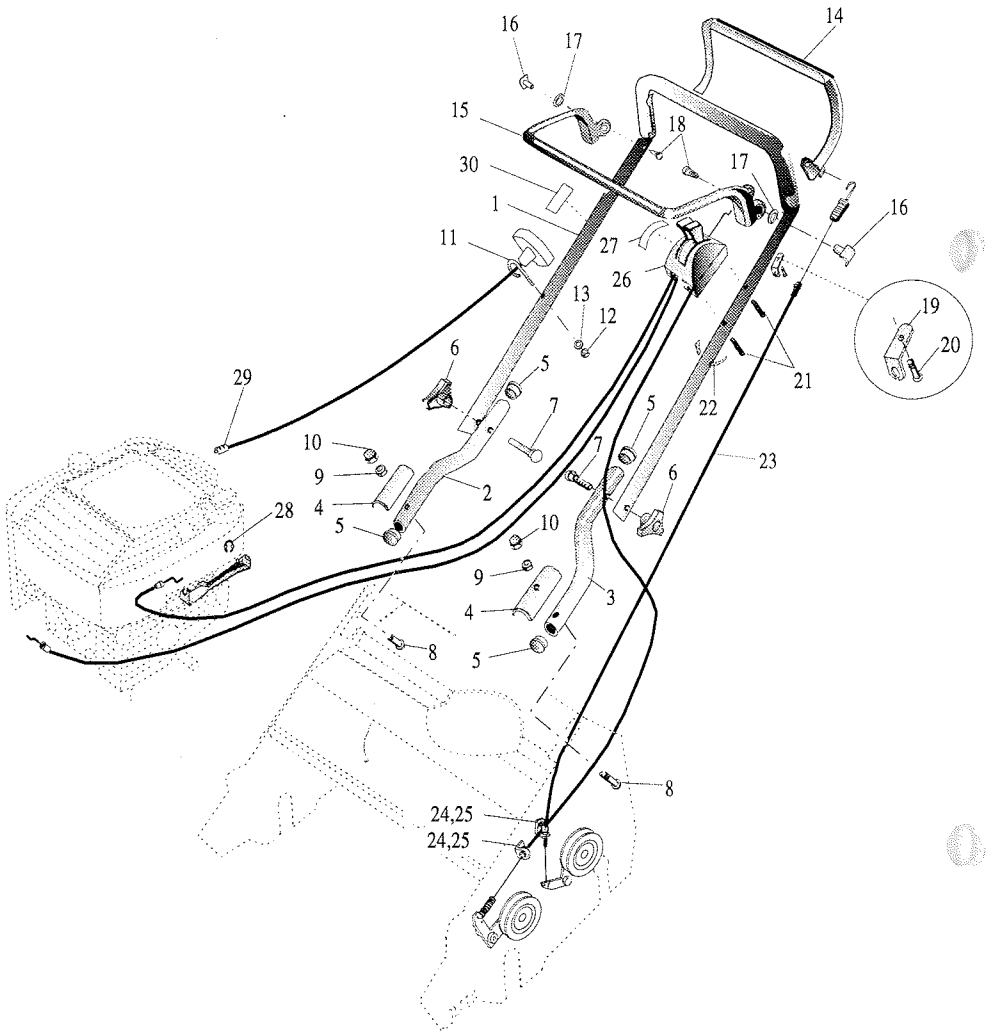
PARTS LIST Continued

ITEM NO.	DESCRIPTION	PART NO.	QTY. 390L	QTY. 392L
42	M8 Plain Nut	09443	3	3
43	M8 Nut Insert 'P'-type (Nylon)	09442	1	1
44	Decal - Engine Ambassador 3	310109	1	1
45	M6 x 12 Hex. Wsh.Hd. Screw (N/S)	09546	7	7
46	M6 x 12 Setscrew (O / S)	09361	2	2
47	M6 Plain Washer (O / S)	09472	2	2
48	M6 Nut Insert 'T'-type (Nylon) (O/S)	09544	2	2
49	Element For Coupling	390083	1	1
50	Fly Wheel	390095W	1	1
51	Coupling Long	390073W	1	1
52	Woodruff Key No. 505	1662	2	2
53	3/8" Spring Washer (S / C)	09273	1	1
54	3/8" UNF x 1 1/4" Hex. Hd. Screw	09116	1	1



PARTS LIST

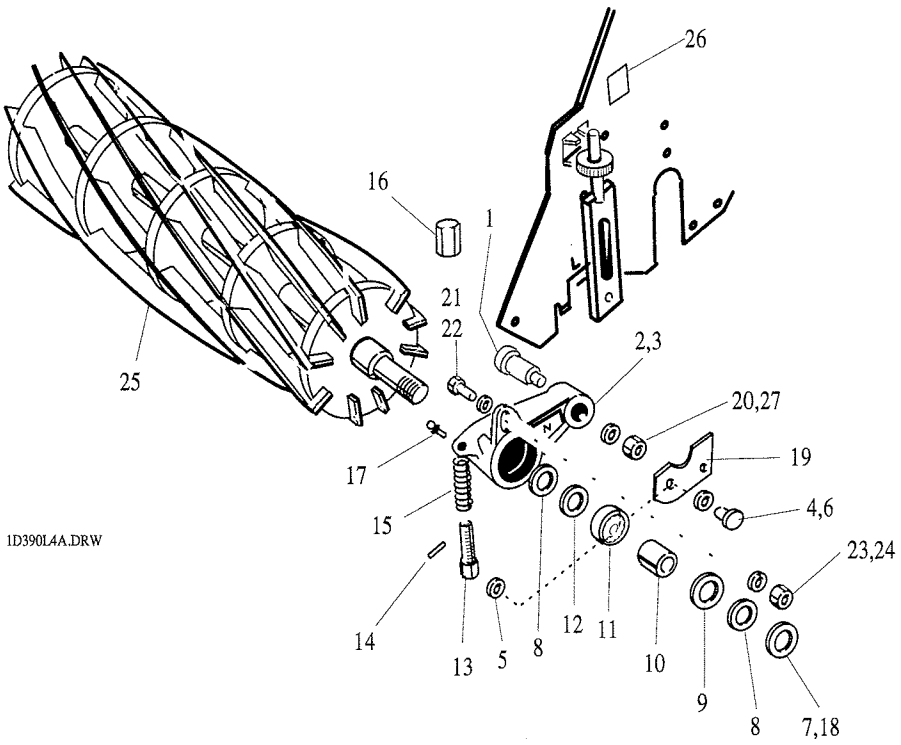
ITEM NO.	DESCRIPTION	PART NO.	QTY. 390L	QTY. 392L
1	Upper Handlebar	340183W	1	1
2	Lower Handlebar (O / S)	340104	1	1
3	Lower handlebar (N / S)	340103	1	1
4	Handlebar Clamp	340028	2	2
5	Tube Plug	300160	4	4
6	Handwheel	226013	2	2
7	Handlebar Bolt	226024	2	2
8	M8 x 40 Coach Bolt	09379	2	2
9	M8 Nut Insert 'P'-type (Nylon)	09442	2	2
10	Nut Cap	234051	2	2
11	Rope Guide	305093	1	1
12	M6 Nut Insert 'T'-type (Nylon)	09544	1	1
13	M6 Plain Washer	09472	1	1
14	Clutch Lever	306094W	1	1
15	Engine Lever	340179	1	1
16	Pivot Pin	340182	2	2
17	19mm Nylon Washer	09688	2	2
18	6mm x 20 Screw	09687	2	2
19	Clutch Cable Bracket Stop	239052	1	1
20	Avdel Rivet	09318	1	1
21	No. 8 x 1 1/4" Pozi. Pan Hd. Screw	09600	2	2
22	Cable Tie	3966	2	2
23	Cable Clutch	390106	1	1
24	Cable Anchor	390052	2	2
25	M6 x 12 Hex. Washer Hd. Screw	09546	2	2
26	Throttle Control	390085	1	1
27	Label Throttle / Reel Clutch	390107	1	1
28	'E' Clip	305092	1	1
29	Rope Stop	MU42189	1	1
30	Decal - Stop / Transmission	331047	1	1



1D390L3A.DRW

PARTS LIST

ITEM NO.	DESCRIPTION	PART NO.	QTY. 390L	QTY. 392L
1	Pivot Pin	6382	2	2
2	Reel Support (N / S)	4719W	1	1
3	Reel Support (O / S)	4720W	1	1
4	5/16" UNF x 3/4" Setscrew	09070	2	2
5	5/16" Plain Washer	09266	2	2
6	5/16" Spring Washer	09268	2	2
7	Bearing Cap (N / S)	3082	1	1
8	Felt Seal	03078	3	3
9	Fibre Washer	03081	2	2
10	Reel Pulley Spacer	4705	1	1
11	Bearing	3080	2	2
12	Spacer Washer	3079	2	2
13	Reel Adjuster Bolt with Nylon Ins.	3088	2	2
14	Nylon Insert for Part No. 3088	3098	2	2
15	Spring	03087	2	2
16	Reel Adjusting Nut	4707	2	2
17	Grease Nipple	09337	2	2
18	Bearing Cap (O / S)	3083	1	1
19	Closer Reel Slot	390041	1	1
20	3/8" UNF Nut Insert (Nylon)	09216	2	2
21	M8 x 20 Setscrew	09368	2	2
22	5/16" Plain Washer Large O/D	09267	2	4
23	M8 Spring Washer	03469	2	2
24	M8 Plain Nut	09443	2	2
25	Reel (10 Bladed)	4964	1	0
	Reel (5 Bladed)	4725	0	1
26	Decal - Height of Cut	320006	2	2
27	3/8" Plain Washer	09271	2	2



1D390L4A.DRW