



HAYTER

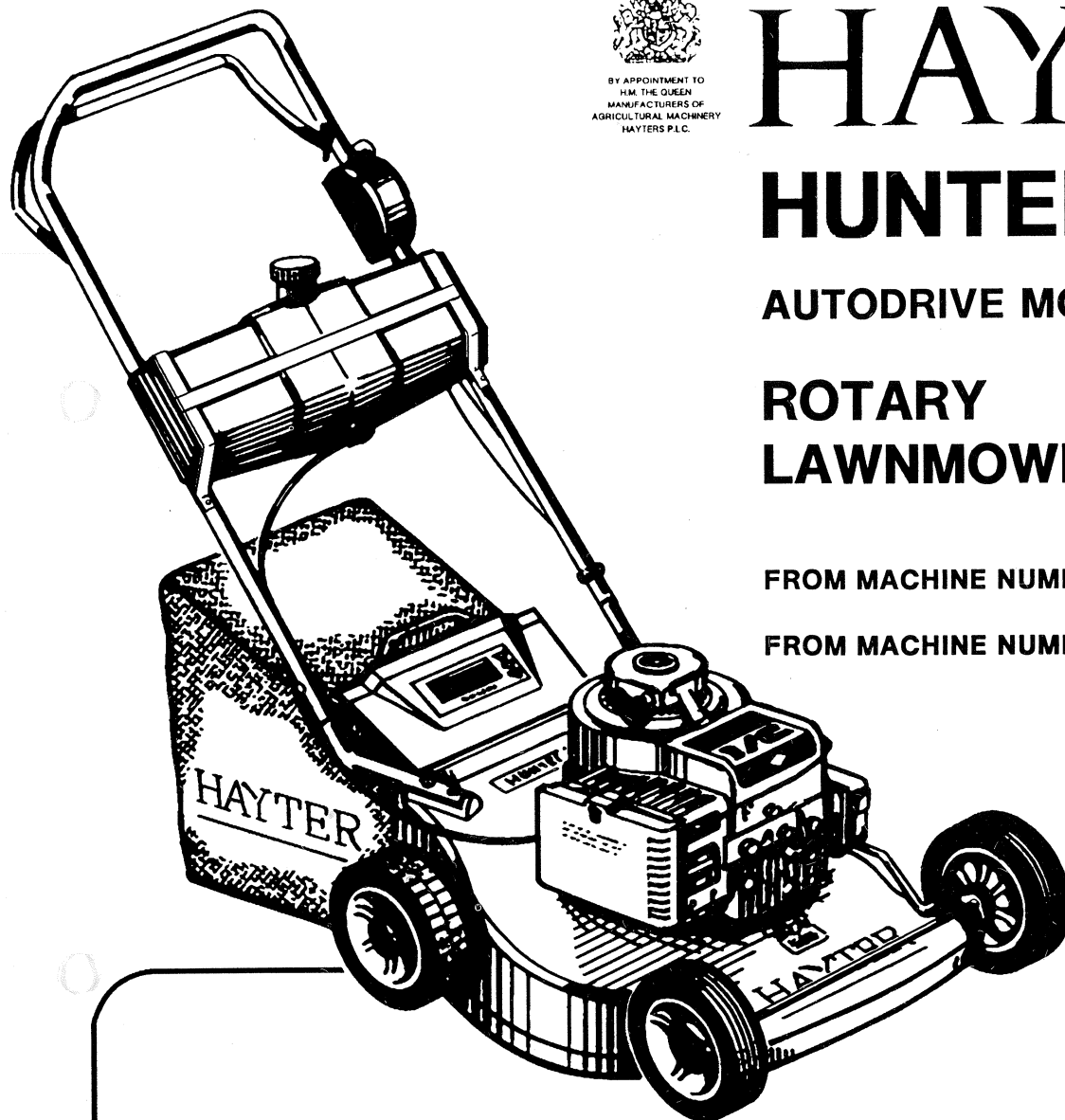
HUNTER 46 XT

AUTODRIVE MODELS

ROTARY
LAWNMOWER

FROM MACHINE NUMBER 327 1354

FROM MACHINE NUMBER 326 1313



**OPERATING INSTRUCTIONS
ILLUSTRATED PARTS LIST**

HAYTERS P.L.C. SPELLBROOK BISHOP'S STORTFORD
HERTS ENGLAND CM23 4BU

 SAFETY PRECAUTIONS
(As recommended in B.S.5107 : 1974)

 Know your controls. Read the owner's manual carefully.
Learn how to stop the engine in any emergency.

 Make sure the lawn is clear of sticks, stones, bones, wire and debris. They could be thrown by the blade.

 Stop the engine and disconnect spark plug wire before checking or working on the mower.

 Damaged cutterbars and loosefixing bolts are major hazards. Before using, always visually inspect the cutting mechanism to ensure that it is in good condition. A damaged cutterbar should be replaced immediately, using only Hayter replacement cutterbars. Cutterbars can be resharpened, ensure that both cutting edges are evenly sharpened to maintain the balance.

 Always be sure the mower is in safe operating condition. Check all nuts, bolts and screws often. Use only replacement parts made and guaranteed by HAYTERS P.L.C.

 Add fuel BEFORE starting the engine. Avoid spilling petrol and do not fill the tank while engine is running or while you are smoking.

 Do not mow whilst people, especially children, or pets are in the mowing area.

 Never use the mower unless the guards provided by the manufacturers are in position.

 Do not mow barefoot or in open sandals.
Start the engine carefully with feet well away from the blades.

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

 Stop the engine whenever you leave the mower.

 Do not allow people unfamiliar with these instructions to use the mower.

 On slopes or wet grass, be extra careful of your footing. Never cut grass by pulling the mower towards you.

 Do not overspeed the engine or alter governor settings. Excessive speed is dangerous and shortens mower life.

 Store fuel in a cool place, in a container specifically designed for the purpose. In general, plastic containers are unsuitable.

 WARNING: Blades continue to rotate after machine is switched off.

 When using the machine without the grassbag, do not lift the deflector plate whilst the machine is in operation.

 Never insert the hand into the grass discharge chute whilst the engine is running.

 Stop the engine before pushing the mower across gravel drives, walks or roads.

 Never pick up or carry a mower when it is operating.

 **This Symbol Warns of Potentially Hazardous Situations which could occur if GREAT CARE is not taken when using or maintaining your machine.**

HUNTER 46 OPERATING INSTRUCTIONS

INTRODUCTION

The Hayter Hunter 46XT is designed and constructed to give an efficient and economical performance, combined with ease of operation and maintenance. The correct operation and attention to routine maintenance as recommended will ensure long and efficient service from the machine.

The machine is carefully checked prior to being packed and every effort is made by Hayters to see that the machine arrives in perfect condition.

GUARANTEE

The machine is guaranteed against faulty workmanship and materials for a period of 12 months from the date of purchase. In the case of components not manufactured by Hayters P.L.C., no guarantee is given but the purchaser shall be entitled to any guarantee given by the makers of such components. Any claim under guarantee should be referred to the Agent through whom the machine was originally supplied, quoting the machine serial number which is located on the mainframe casting at the rear of the machine.

The guarantee becomes void if any parts not made or supplied by Hayters are fitted to the machine. In the case of machines being used for hiring out purposes no guarantee of any kind is given or is to be implied.

ASSEMBLY INSTRUCTIONS

Remove the grassbag and machine from box. Align lower and upper handlebars and tighten locking nut (Item 47).

TO FIT GRASSBAG

Lift deflector plate (item 49) up, place grassbag frame over hooks at rear of mainframe, lower deflector plate on to grassbag to secure.

OPERATING INSTRUCTIONS

Before using the machine, READ the operating instructions carefully paying particular attention to recommended SAFETY PRECAUTIONS. Read also the engine manufacturers leaflet and carry out the recommended lubrication.

CUTTING HEIGHT ADJUSTMENT

The cutting height range is from 13–57mm (1/2"–2 1/4"). To increase the height of cut, move height of cut lever towards front of machine.

ENGINE

When starting the engine, set the throttle control, which is situated on the handlebars, into the choke position. When starting a warm engine, set throttle control in the fast position. The engine is governed to run at a maximum speed of 3,000rpm (code 327) and 3,050rpm (code 326). Should any adjustments be made to the engine it is essential that the specified rpm is not exceeded.

HINTS ON OPERATION

The Hayter Hunter 46XT is a self propelled machine designed primarily for lawn mowing that will also deal efficiently with runaway growth on lawns and other areas. The machine is ideal for Autumn leaf collection.

LAWNS

Fit the grassbag, set the cutting height to maximum and cut the lawn area. This will assist to predetermine the most suitable cutting height setting for the second cut and also eliminate the possibility of 'scalping' occurring on any high spots on the lawn.

BORDERS

The inset wheels permit mowing over lawn edges. Edge grasses should be cut with edging cutters first, the cuttings will then be collected as the lawn is mown.

WALLS, FENCES AND OTHER OBSTRUCTIONS

The machine can be safely used to cut close up to obstructions.

RUNAWAY GROWTH ON LAWNS

Set cutting height to maximum. remove grassbag and cut area. The cuttings can then be collected by fitting grassbag and working over area a second time; if cuttings are wet, leave to dry and collect later.

HIDDEN OBSTRUCTIONS

When mowing overgrown areas, if practicable survey the area first, removing any large items of debris. Should an obstruction be encountered whilst mowing, the attention will immediately be drawn by the friction noise which is set up; draw the machine backwards without raising the front. Stop the engine and remove the spark lead, examine the cutting mechanism. If undamaged remove the obstruction or proceed to work round it. Should however, the cutterbar be broken or badly damaged it should be replaced immediately.



BLOCKAGE IN THE DISCHARGE CHUTE APERTURE

Observance of the preceeding 'Hints' should eliminate the possibility of a blockage occuring in the discharge Chute Aperture, for it is usually caused by attempting to remove too much grass initially with a low cutting height setting, especially when conditions are wet, or from allowing the grassbag to become overfilled. Remember that, whatever the conditions, it is better to cut higher and more frequently than to try to cut low at the first cutting. It is most important that the engine is stopped and the sparkplug lead removed before attempting to clear a blockage or examine the cutting mechanism.



UNDER DECK CLEANLINESS

The underside of the mainframe casing is designed to permit the cutting mechanism to work efficiently, safely and also to provide the correct volume of air to pass through the casing to carry the cuttings through the rear aperture and into the grassbag or, alternatively, deflected downwards and onto the ground. After a period of use, and more especially when conditions are wet, grass cuttings can accumulate on the underside of the casing and if allowed to remain will eventually build up and greatly impair the efficiency of the machine. Regular cleaning of the underside of the casing by hosing or scraping off the debris will prevent this. Before attempting to clean the underside of the casing, stop the engine and remove the sparkplug lead, the machine may then be turned on its side with the silencer uppermost.



GRASSBAG

The grassbag requires minimal attention; ensure that the interior of the grassbag is kept clean.

MAINTENANCE

LUBRICATION

HEIGHT ADJUSTMENT LINKAGE POINTS

Apply a small amount of oil to the linkage and pivot points occasionally.

THROTTLE CONTROL CABLE

Apply a light application of oil to the inner cable occasionally.

DEFLECTOR PLATE

Apply a light application of oil to the deflector plate hinge points occasionally.

WHEELS

Remove hub cap, fill with light grease and replace, thus forcing grease into bearing and rear wheels (Autodrive only,) clean and lightly grease gears.

CLUTCH CABLE

Apply a small quantity of light oil by means of an oilcan to the inner cable at the point where the cable connects with the clutch cable bracket on upper handlebars. Oil penetration down the cable will be facilitated if the clutch lever is worked backwards and forwards as the oil is applied.

CLUTCH ADJUSTMENT

The clutch is a cable operated plate clutch. To adjust, slacken off two locknuts at top of cable. Screw in or out threaded sleeve to leave 1/16"–1/8" (1.5mm–3.0mm) of free play to the inner cable. Retighten locknuts.

ENGINE

See engine manufacturers' handbook and carefully carry out the recommended instructions, paying particular attention to the lubricating instructions. Cover up the machine when not in use.

The use of an upper cylinder lubricant is recommended (4-stroke only), where the machine is infrequently used and also towards the end of the season before winter storage. When storing the machine, disconnect the spark plug lead, remove the spark plug. Insert a small quantity of oil into the cylinder and turn the engine, by means of the recoil start, a few times to distribute the oil. Replace spark plug ensuring that the piston is at the top of its compression stroke and that both the inlet and exhaust valves are closed.

CUTTERBAR

The Hayter cutterbar is friction driven by the dished bottom plate when in use. In the event of the cutterbar striking an obstruction the cutterbar is free to move relative to the bottom plate to a new position where it will continue to cut. Regular inspection of the cutting mechanism is recommended



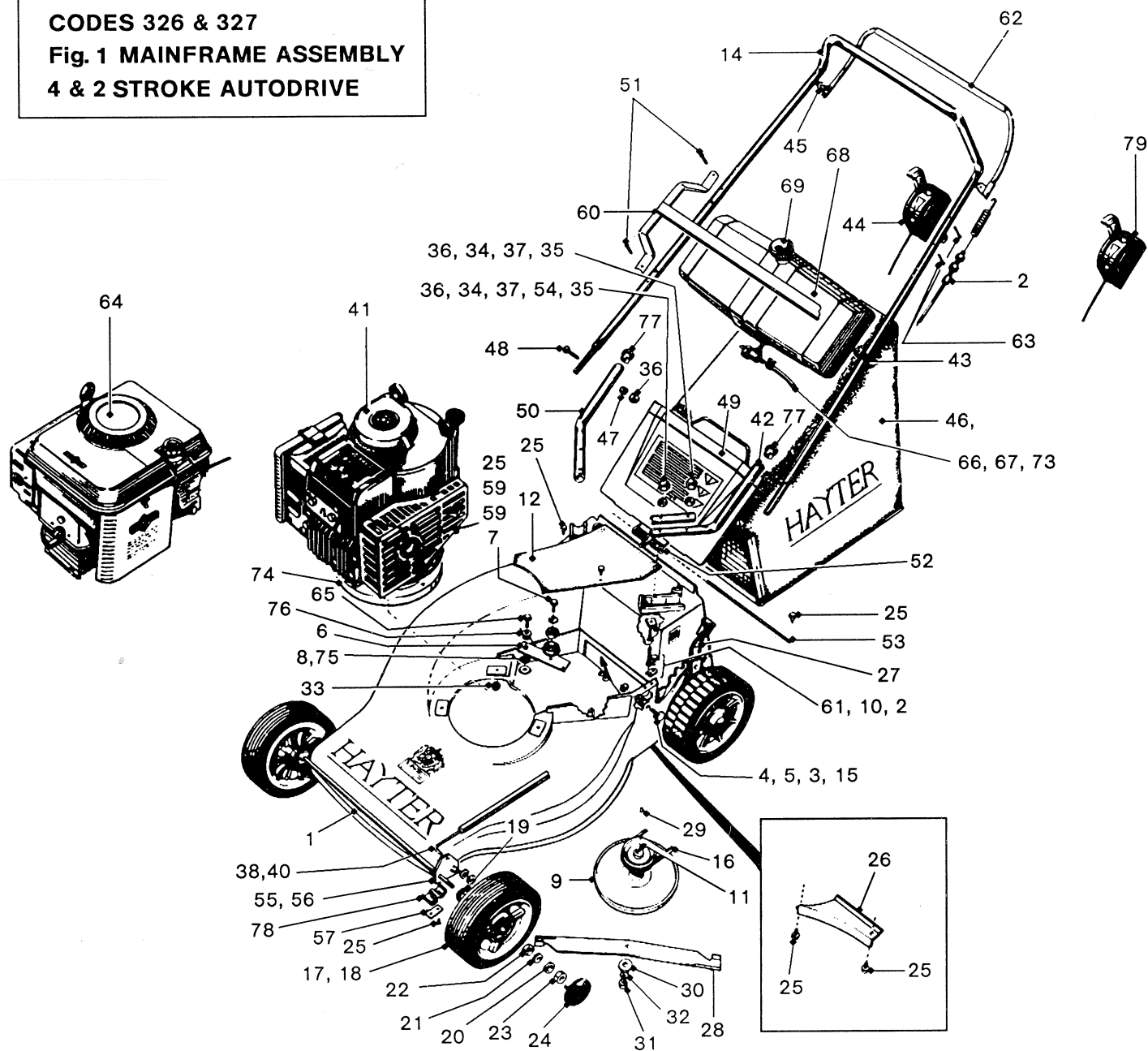
to ensure that the cutterbar is in good condition. Should the cutterbar be damaged to the extent that it is likely to become out of balance it should be replaced immediately, ensuring that the new cutterbar is fitted exactly as shown in Fig. 1 and that the retaining bolt item 31 is tightened securely, a torque setting of 40ft/lb is recommended. The cutterbar may be resharpened ensuring that both cutting edges are evenly resharpened to maintain the balance.



It is important, when examining, cleaning or making any adjustment to the cutting mechanism that the engine be stopped and the plug lead disconnected.

CODES 326 & 327

**Fig. 1 MAINFRAME ASSEMBLY
4 & 2 STROKE AUTODRIVE**



SPARE PARTS LIST

(Subject to revision without notice)

Item No.	Part No.	No. Off	Description
1	321010	1	Mainframe
2	321011	1	Clutch cable assembly
3	321012	1	9mm x 12mm Bush
4	321013	1	Clevis pin
5	321014	1	Cable guide
6	321069	1	Jockey arm assembly
7	321071	1	Jockey pulley assembly
8	321021	1	Spacer
9	321022	1	Friction disc assembly
10	321033	1	Cable retaining plate
11	321034	1	Spacer
12	320049	1	Transmission cover
13	321067	1	Torsion spring
14	321043	1	Upper handlebar assembly
15	321042	1	Spring retainer
16	321049	1	Vee belt
17	320050	2	Wheel complete (Front)
18	320051	2	Wheel (Front)
19	320053	2	Dust cover
20	320054	4	Bearing cone
21	320056	4	Ball race
22	320055	4	Bearing cup
23	09450	2	M10 Selflock nut
24	320052	4	Hub cap

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Item No.	Part No.	No. Off	Description
25	09365	10	M6 x 16 Hex washer hd. screw
26	320012	1	Throwplate
27	330050	1	Height adjuster lever
28	320019	1	18" Cutterbar
29	1662	1	Woodruff key
30	4014	1	Distance piece
31	09121	1	3/8" UNF x 2" Hex hd. bolt
32	09273	1	3/8" Spring washer S/C
33	09591	3	3/8" UNC x 2" Hex washer hd. screw
34	09441	4	M8 Selflock nut 'T' type
35	09569	4	M8 x45 Carriage bolt
36	234051	4	M8 Nut cap
37	320043	2	Lower handlebar clamp
38	322020	1	Connecting rod assembly
39	320062	1	Spring retainer
40	320079	1	Pushfix
41	325011	1	Engine B & S 4H.P. I/C (326)
42	320022	1	Lower handlebar N/S
43	3966	2	Cable tie
44	325012	1	Throttle control & cable (326)
45	226034	2	5/16" Bush (Nylon)
46	320030	1	Grassbag assembly
47	09443	2	M8 Nut
48	322026	2	M8 x 45 Round hd. bolt

SPARE PARTS LIST

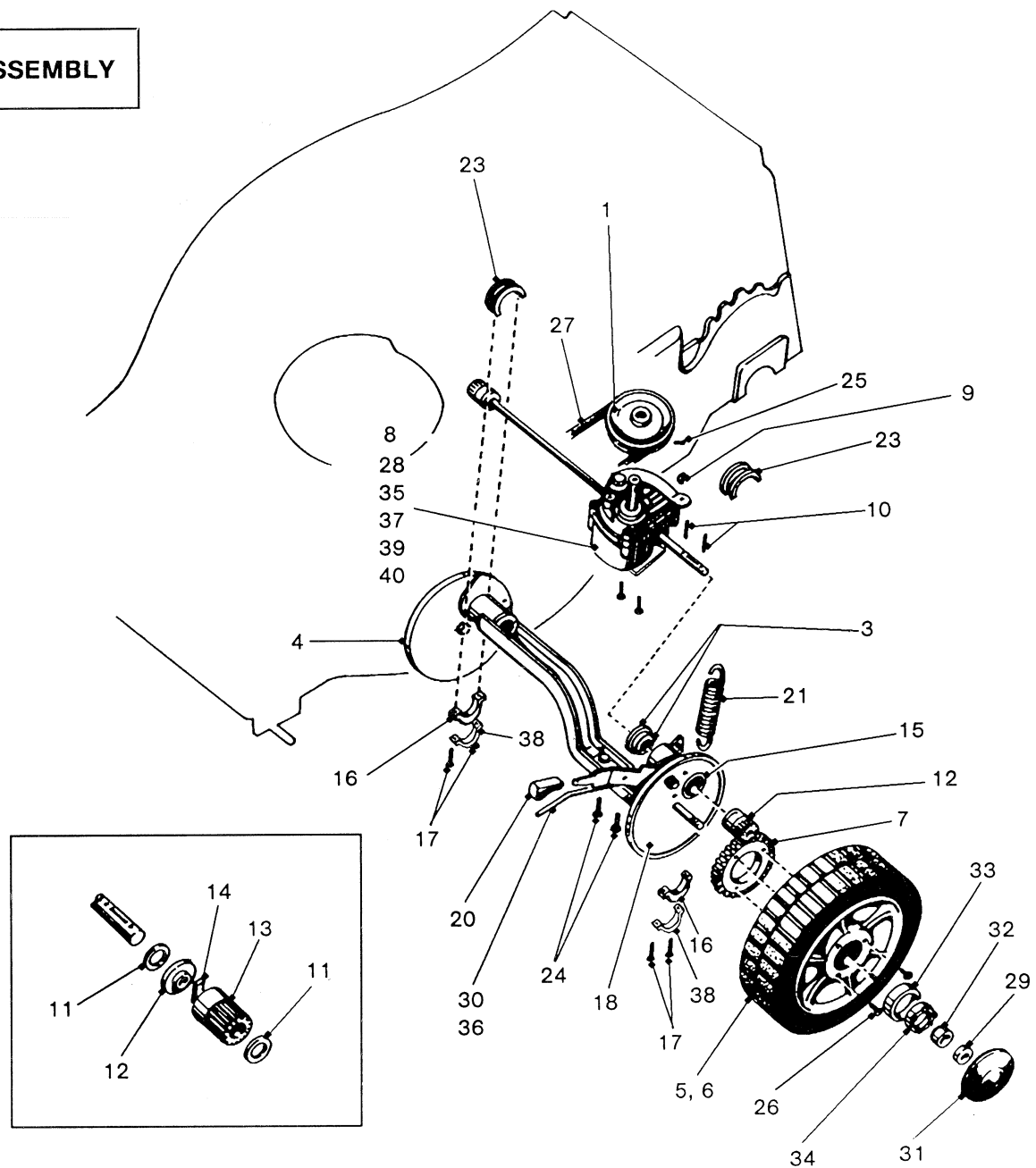
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Item No.	Part No.	No. Off	Description
49	320014	1	Grass deflector
50	320021	1	Lower handlebar O/S
51	09595	4	M5 x 12 Hex hd. taptite screw
52	320016	1	Deflector spring
53	320015	1	Hinge rod
54	330025	1	Bracket
55	325015	1	Front axle assembly
56	219036	2	Front axle bearing
57	219037	2	Retaining plate
58	6277	1	Bearing
59	09263	1	1/4" Plain washer
60	322025	1	Tank cradle assembly
61	09546	1	M6 x 12 Hex washer hd. screw
62	219090	1	Clutch lever
63	09600	2	Pan hd. screw
64	322012	1	Engine B & S 3.5H.P. Qua. (327)
65	09622	1	M6 x 30 Pan hd. pozidrive screw
66	320027	1	Tap
67	322015	1	Fuel pipe
68	320025	1	Fuel tank
69	320026	1	Tank cap
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Item No.	Part No.	No. Off	Description
73	322018	2	Clip (Fuel pipe)
74	320011	1	Engine spacer
75	321060	2	Wavy spring washer
76	321070	1	Jockey arm pivot
77	320048	2	Tube plug
78	219036	2	Bearing moulding
79	322013	1	Throttle control & cable (327)
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Fig. 2 REAR AXLE ASSEMBLY



SPARE PARTS LIST

(Subject to revision without notice)

Item No.	Part No.	No. Off	Description
1	321026	1	Pulley
2	321073	1	Gearbox bracket
3	321035	4	Half seal
4	321058	1	Rear axle assembly (Long)
5	321045	2	Rear wheel complete
6	321046	2	Rear wheel
7	321047	2	Gear
8	321074	1	Gearbox
9	321051	1	Woodruff key
10	321052	4	Roll pin
11	321053	4	Thrust washer
12	321054	2	Gear
13	321055	2	Pawl
14	321056	2	Spacer (Nylon)
15	321057	2	Bearing
16	320044	2	Rear axle retainer
17	09575	4	M6 x 20 Hex washer hd. screw
18	331028	1	Rear axle c/w height adj. lever /cover
19	331025	1	Rear axle N/S
20	330053	1	Spring lever cover
21	300070	1	Compensator spring
22	09263	1	1/4" Washer (Large)
23	320046	2	Bearing half N/S
24	3466	2	M8 x 16 Hex hd. screw

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Item No.	Part No.	No. Off	Description
25	09594	2	M6 x 6 Socket setscrew
26	09593	6	M6 x 35 C'sk hd. screw
27	321049	1	Vee belt
28	09621	2	1/4" UNC x 1/2" Pozidrive screw
29	09450	2	M10 Selflock nut
30	322020	1	Connecting rod assembly
31	320052	2	Hub cap
32	320054	4	Bearing cone
33	320055	4	Bearing cup
34	320056	4	Ball race
35	09623	4	1/4" UNF 1/2" Pan hd. setscrew
36	320079	1	Pushfix
37	09261	2	1/4" Washer
38	320080	2	Axle backing plate
39	09264	2	1/4" Spring washer
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WARNING NOTICE

(Issued in accordance with Asbestos Products (Safety) Regulations 1986)
Certain components on this Mower, such as brake and clutch linings and some gaskets and joints, may contain a small quantity of asbestos.

When repairing and replacing these items care should be taken to:-

- 1) Carry out the repairs in a well ventilated area.
- 2) Remove dust by dampening down using a recommended liquid or water.
- 3) Dampen dust and place it in a properly closed receptacle.
- 4) Dispose of the receptacle safely.

If you are uncertain seek advice from your dealer.



**January 1989
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