



# HAYTER

## HUNTER 54 XT

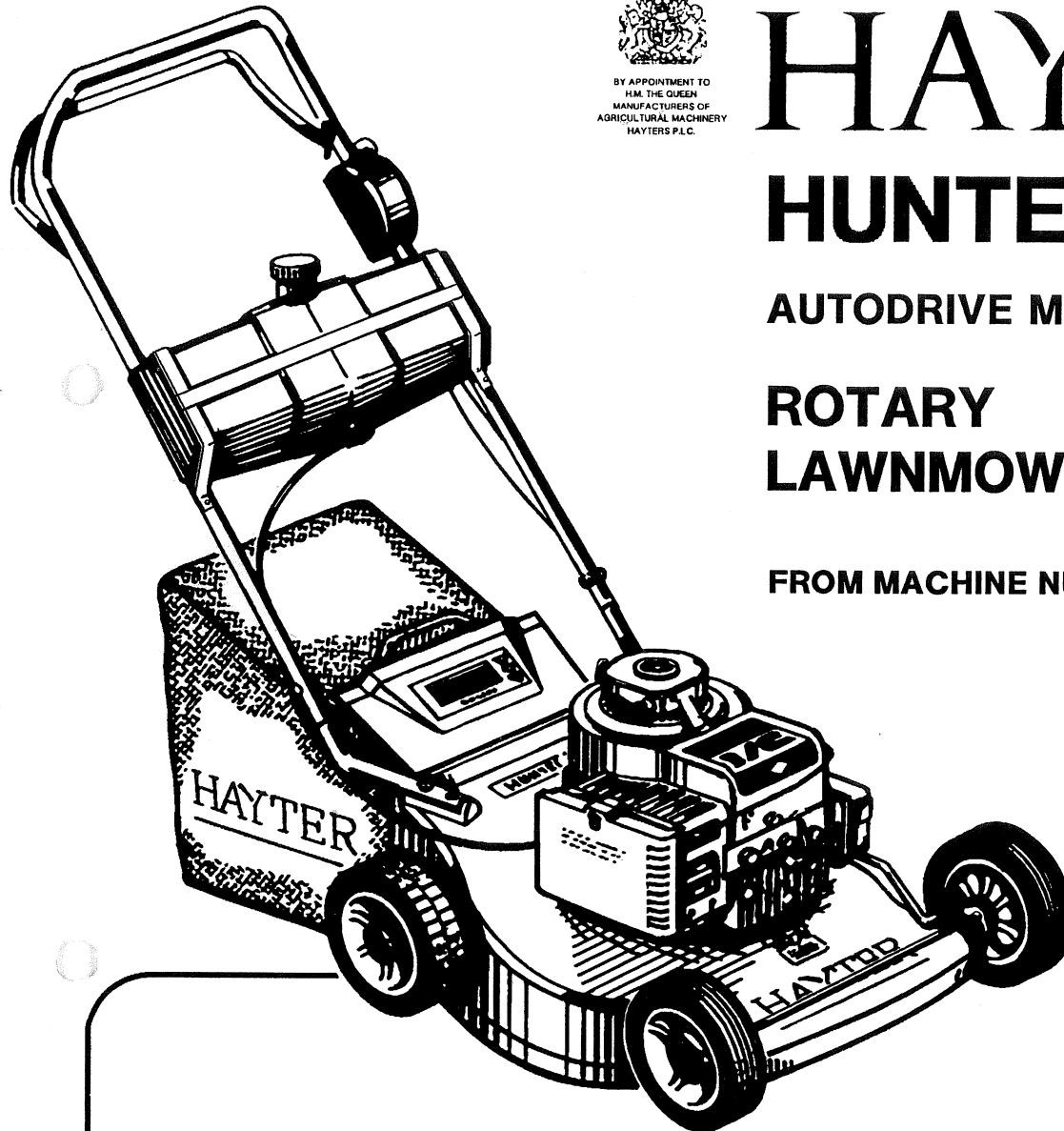
AUTODRIVE MODEL

### ROTARY LAWNMOWER

FROM MACHINE NUMBER 336 1791

TEC  
**TECHNICAL  
FILE  
DOCUMENT**

PT. No 336005  
REV  
JAN 89



### 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 loose fixing 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.**

## **INTRODUCTION**

The Hayter Hunter 54XT is robustly constructed and designed to give an efficient economical performance, combined with ease of operation. The correct operation and attention to routine maintenance as recommended will ensure long and efficient service from the machine.

It is important that the machine is not abused or neglected.

The machine is carefully checked at our works prior to despatch and every effort is made by Hayters to see that the machine arrives in perfect condition. Your Dealer will ensure this on delivery. It is recommended that you permit the Dealer to go through the operating instructions with you.

Due to the possible settling in of new components, it is essential that after a short period of use all securing nuts and bolts be checked and tightened if necessary.

### **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 the benefit of any guarantee given by the manufacturers 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.

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**

Secure the upper handlebar onto the 2 lower handlebars by insertion of round head bolts and tightening of nuts.

### **OPERATING INSTRUCTIONS**

See the engine manufacturers' handbook and carefully carry out the recommendations for starting the engine, ensuring that engine sump is filled to the correct level with one of the recommended grades of lubricating oils. It is most important that oil other than those grades recommended should not be used in this engine.

## **STARTING THE MOWER**

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 3,200rpm. Should any adjustments be made to the engine it is essential that the specified rpm is not exceeded.

### **CLUTCH LEVER**

The clutch incorporates a 'fail-safe' device, i.e. the machine will only move forward whilst the clutch lever, which is situated on the handlebar is manually sustained. Release of the lever will cause the machine to stop.

### **CUTTING HEIGHT ADJUSTMENT**

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

### **HINTS ON OPERATION**

The Hayter Hunter 54XT 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 grassbag, raise cutting height to maximum ( 2 1/4" ) and cut area. This will help to predetermine the height setting for the next 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 when 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 of the user 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 plug 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 preceding 'Hints' should eliminate the possibility of a blockage occurring 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 spark plug 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 and 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 spark plug, 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 deflector plate hinge points occasionally.

#### **WHEELS**

Remove hub cap, fill with light grease and replace, thus forcing grease into bearings. On rear wheels, 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 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 at which 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

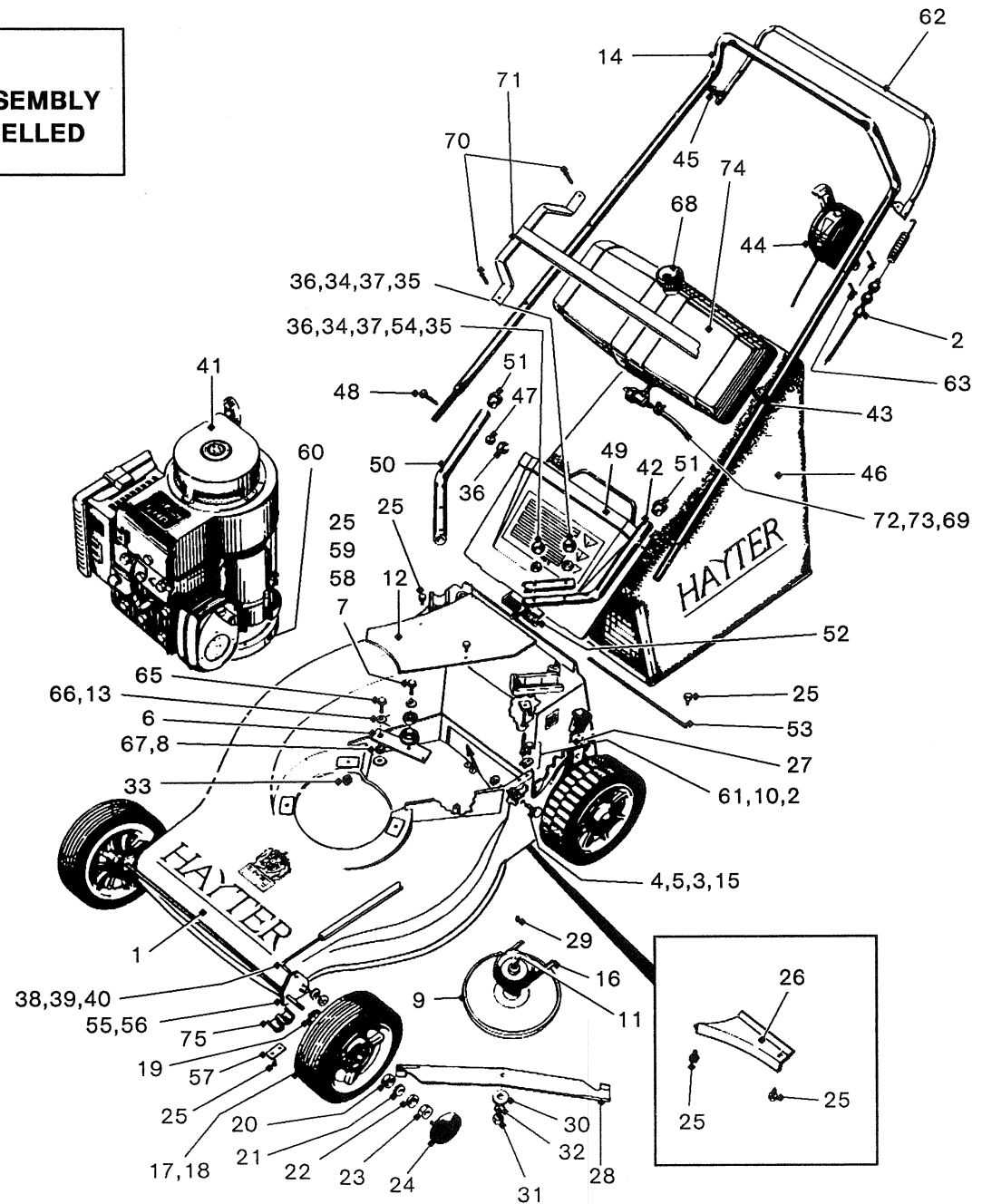


immediately, ensuring that the new cutterbar is fitted exactly as shown in Fig. 1 and that the retaining bolt, item 31 is tightened securely, a torque setting of 40ft/lb is recommended. The cutterbar may be resharpened, ensuring that both cutting edges are evenly sharpened to maintain the balance.



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

**CODE 336**  
**Fig. 1 MAINFRAME ASSEMBLY**  
**4 STROKE, SELF PROPELLED**



## SPARE PARTS LIST

(Subject to revision without notice)

| Item No. | Part No. | No. Off | Description                          |
|----------|----------|---------|--------------------------------------|
| 1        | 330010   | 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   | 2       | Spacer                               |
| 9        | 331015   | 1       | Friction disc assembly               |
| 10       | 321033   | 1       | Cable retaining plate                |
| 11       | 336006   | 1       | Spacer                               |
| 12       | 330027   | 1       | Transmission cover                   |
| 13       | 321067   | 1       | Torsion spring                       |
| 14       | 321043   | 1       | Upper handlebar                      |
| 15       | 321042   | 1       | Spring retainer                      |
| 16       | 331019   | 1       | Vee belt                             |
| 17       | 320050   | 2       | Wheel complete (front)               |
| 18       | 320051   | 2       | Wheel (front)                        |
| 19       | 320053   | 2       | Dust cover                           |
| 20       | 320055   | 4       | Bearing cup                          |
| 21       | 320056   | 4       | Ball race                            |
| 22       | 320054   | 4       | Bearing cone                         |
| 23       | 09450    | 2       | M10 Selflock nut                     |
| 24       | 320052   | 2       | Hub cap                              |
| 25       | 09365    | 10      | M6 x 16 Hex washer hd. taptite screw |
| 26       | 330011   | 1       | Throwplate                           |
| 27       | 330050   | 1       | Height adjuster lever                |
| 28       | 330032   | 1       | Cutterbar                            |
| 29       | 4522     | 1       | Key plain parallel                   |
| 30       | 4014     | 1       | Distance piece                       |
| 31       | 09121    | 1       | 3/8" UNF x 2" Hex hd. bolt           |
| 32       | 09273    | 1       | 3/8" Spring washer                   |

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| Item No. | Part No. | No. Off | Description                                |
|----------|----------|---------|--------------------------------------------|
| 33       | 09591    | 2       | 3/8" UNC x 2" Hex washer hd. taptite screw |
| 34       | 09441    | 4       | M8 Selflock nut 'T' type                   |
| 35       | 09569    | 4       | M8 x 45 Carriage bolt                      |
| 36       | 234051   | 6       | M8 Nut cap                                 |
| 37       | 320043   | 2       | Lower handlebar clamp                      |
| 38       | 335017   | 1       | Connecting rod assembly                    |
| 39       | 320062   | 1       | Spring retainer                            |
| 40       | 320079   | 1       | Pushfix                                    |
| 41       | 335011   | 1       | Engine Briggs & Stratton 5 H.P. I / C      |
| 42       | 330031   | 1       | Lower handlebar N / S                      |
| 43       | 3966     | 2       | Cable tie                                  |
| 44       | 335012   | 1       | Throttle control & cable                   |
| 45       | 226034   | 2       | 5/16" Bush ( Nylon )                       |
| 46       | 330040   | 1       | Grassbag assembly                          |
| 47       | 09443    | 2       | M8 Plain nut                               |
| 48       | 322026   | 2       | M8 x 38 Round hd. bolt                     |
| 49       | 330018   | 1       | Grass deflector                            |
| 50       | 330030   | 1       | Lower handlebar O / S                      |
| 51       | 320048   | 2       | Tube plug                                  |
| 52       | 320016   | 1       | Grass deflector spring                     |
| 53       | 330019   | 1       | Hinge rod                                  |
| 54       | 330025   | 1       | Bracket                                    |
| 55       | 335015   | 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       | 320011   | 1       | Engine spacer                              |
| 61       | 09546    | 1       | M6 x 12 Hex washer hd. taptite screw       |
| 62       | 219090   | 1       | Clutch lever                               |
| 63       | 09600    | 2       | Pan hd. screw                              |
| 64       |          |         |                                            |

**SPARE PARTS LIST****(Subject to revision without notice)**

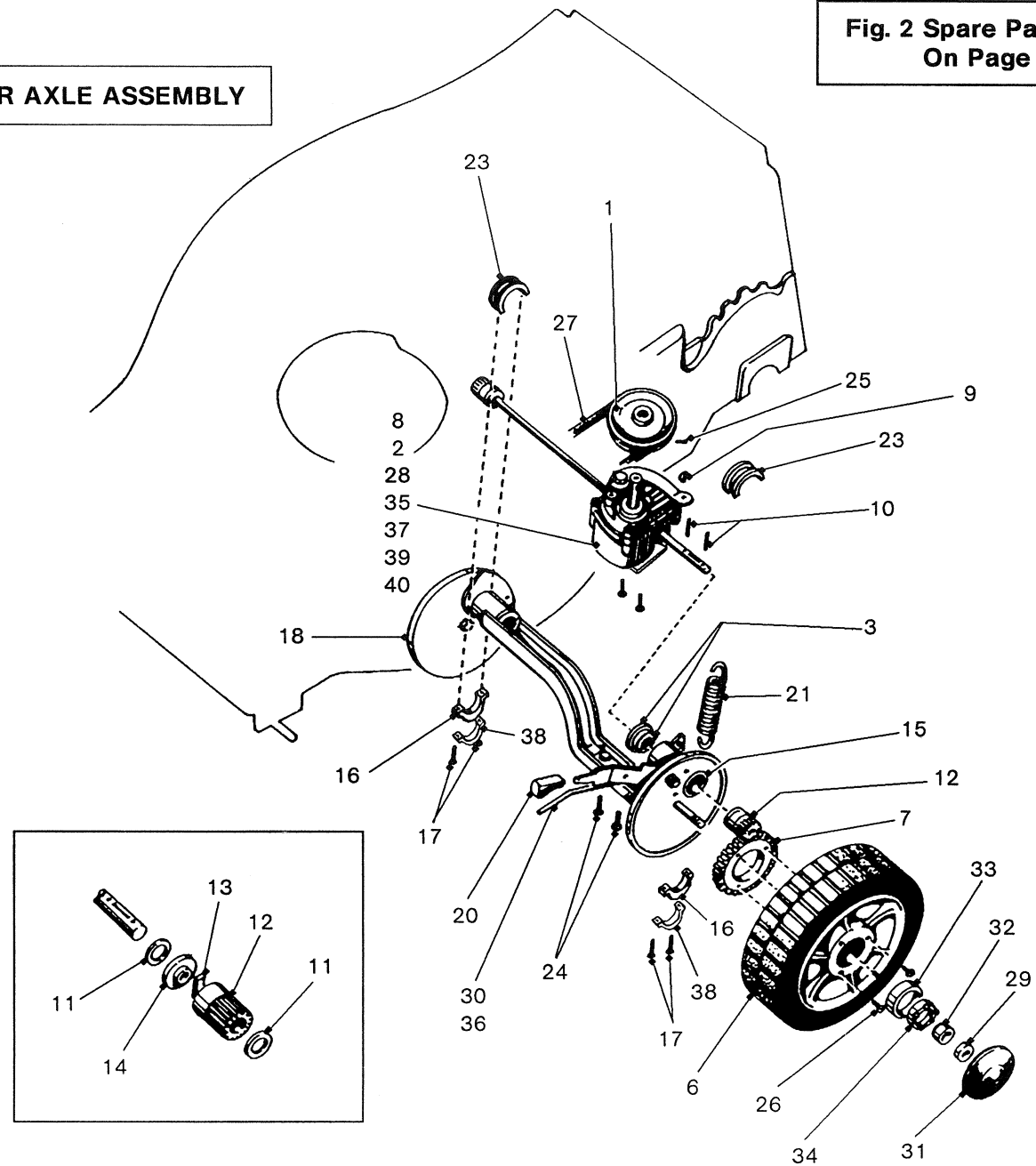
| Item No. | Part No. | No. Off | Description                   |
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| 65       | 09622    | 1       | M6 x 30 Pan hd. screw         |
| 66       | 321070   | 1       | Jockey arm pivot              |
| 67       | 321060   | 2       | Wavy spring washer            |
| 68       | 320026   | 1       | Cap                           |
| 69       | 322018   | 2       | Fuel pipe clip                |
| 70       | 09595    | 4       | M5 x 12 Hex hd. taptite screw |
| 71       | 322025   | 1       | Tank cradle assembly          |
| 72       | 320027   | 1       | Tap                           |
| 73       | 322015   | 1       | Fuel pipe                     |
| 74       | 320025   | 1       | Fuel tank                     |
| 75       | 219036   | 2       | Moulding bearing              |
| 76       |          |         |                               |
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| Item No. | Part No. | No. Off | Description |
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| 128      |          |         |             |

**Fig. 2 REAR AXLE ASSEMBLY**

**Fig. 2 Spare Parts List  
On Page 8**



## 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        |          |         |                                             |
| 5        | 321045   | 2       | Rear wheel complete                         |
| 6        | 321046   | 2       | Rear wheel ( Only )                         |
| 7        | 321047   | 2       | Gear                                        |
| 8        | 331037   | 1       | Gearbox                                     |
| 9        | 321051   | 1       | Woodruff key                                |
| 10       | 321052   | 2       | 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. taptite screw        |
| 18       | 331034   | 1       | Rear axle c/w height adjuster lever & cover |
| 19       |          |         |                                             |
| 20       | 330053   | 1       | Spring lever cover                          |
| 21       | 300070   | 1       | Compensator spring                          |
| 22       |          |         |                                             |
| 23       | 320046   | 2       | Bearing half                                |
| 24       | 3466     | 2       | M8 x 16 hex hd. screw                       |
| 25       | 09594    | 1       | M6 x 6 Socket setscrew                      |
| 26       | 09593    | 6       | M6 x 35 C'sk hd. screw                      |
| 27       | 331019   | 1       | Vee belt                                    |
| 28       | 09621    | 2       | 1/4" UNC x 1/2" Pozidrive taptite screw     |
| 29       | 09450    | 2       | M10 Selflock nut                            |
| 30       | 335017   | 1       | Connecting rod assembly                     |
| 31       | 320052   | 2       | Hub cap                                     |
| 32       | 320054   | 4       | Bearing cone                                |

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| Item No. | Part No. | No. Off | Description                      |
|----------|----------|---------|----------------------------------|
| 33       | 320055   | 4       | Bearing cup                      |
| 34       | 320056   | 4       | Ball race                        |
| 35       | 09623    | 2       | 1/4" UNF x 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 S / C         |
| 40       | 09263    | 1       | 1/4" Washer ( Large )            |
| 41       |          |         |                                  |
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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**  
**Part No. 336005**