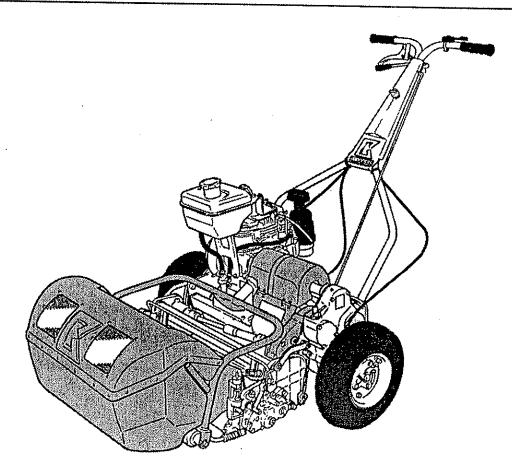
LM54GA-R-LM54GAS-R swing mowers

Baroness lawn mowers

Operating and instruction manual and parts catalogue '96



"Required reading" Before using the machine please ensure that you have read this manual and the operating and instruction manual for the engine.

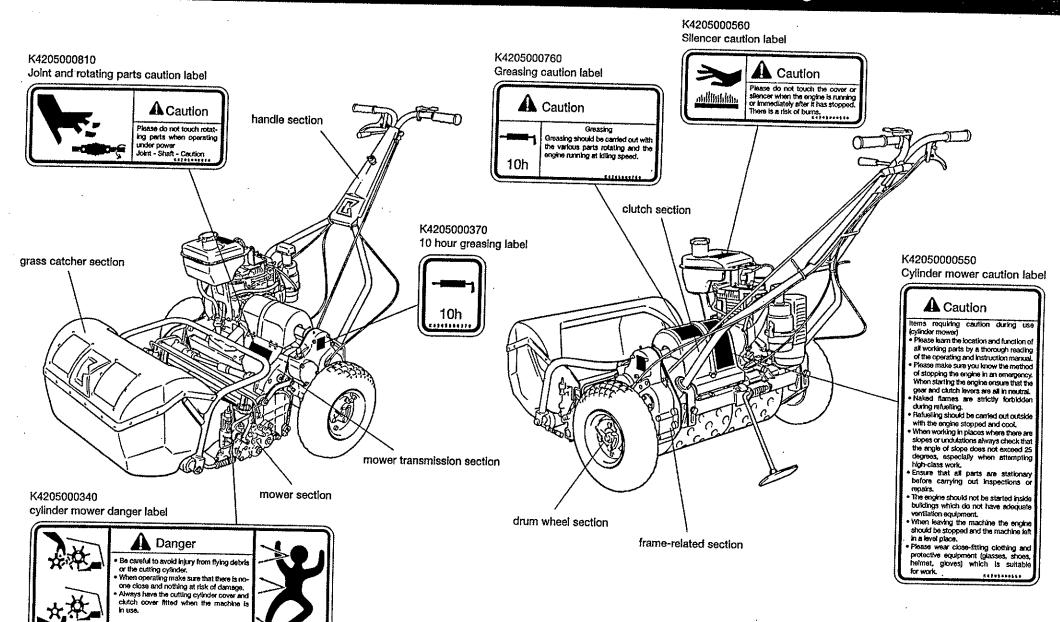
BRRONESS

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Names of the various sections and locations of the warning labels



Safety warning

Warning labels and ${\bf A}$ signs have been attached to this machine to ensure that you can operate it safely.

The warning labels indicate items which are particularly important from the safety point of view, so please work safely and always obey the warnings.

≕Warning labels =



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Danger: Indicates that non-compliance with this warning will result in serious injury or death.



Warning: Indicates that non-compliance with the warning entails the risk of serious injury or death.



Caution: Indicates that non-compliance with this warning entails the risk of sustaining an injury.



.. danger label (cylinder mower)



... caution label (joint + rotating parts)



danger label (cylinder mower)



.. caution label (hot parts)



caution label (greasing)



danger label (danger - flammables)



... fuel



... warning label (caution - exhaust fumes)



.. refer to engine operating and Instruction manual

Introduction

Thank you for buying a Baroness lawn mower, the LM54GA-R or LM54GAS swing mower.

This operating and instruction manual describes the correct methods of ha dling, adjustment and inspection. It is essential that this manual is read, and t contents thoroughly understood, before the machine is brought into use.

After completion and before shipment the machine underwent a thorough te run and inspection at the factory, but the method of operation and the usual da procedures of inspection, adjustment and lubrication before and after work w have a great influence on whether the machine achieves the expected perfo mance. Please operate safely and we expect the machine to produce an excelle performance for a very long time.

Please note

- Gradual changes may be made to the machines. When making enquiries about the machine please always specify both the mode type and the manufacturer's number.
- The items mentioned in this manual may also be altered without prior warning.

A Caution ... when operating

The labels which are stuck to the machinery and referred to in this operating and instruction manual have written safety explanations.

Please read and take note of the handling procedures and safety precautions and only operate the machine after you have understood them completely.

The labels and accompanying explanations should be preserved in their entirety; i they become lost or damaged please replace them immediately with new ones.

Please do not under any circumstances peel off the labels which have been stuck to the machine.

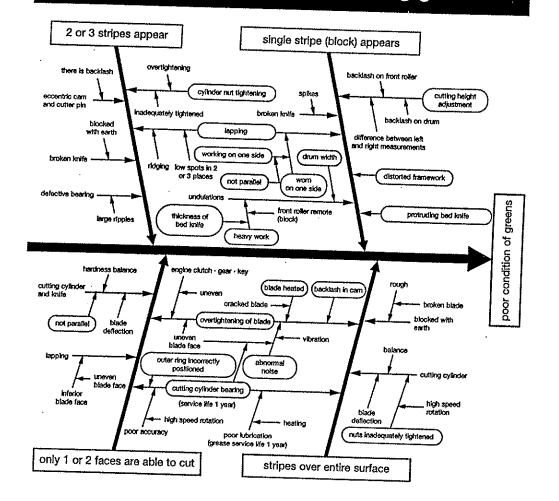
Distinctive features of the LM54GA-R and LM54GAS-R

- The travel motion section and cutting unit can tilt independently, and sloping ground and undulations can be cut smoothly, even on hard and difficult greens.
- Because the cutting unit and grass collecting section are separate the greens can be cut uniformly.
- The transmission mechanism is of the all-gear type. There is an excellent direct system with a differential transmission device.
- The driving drum is made of rust-proof corrosion-resistant aluminium.
- Engine brake for safe working.
- The blades are outstandingly sharp due to the full heat treatment, and provide highly effective cutting.
- The GAS-R model is fitted with a thatching reel or rotating brush.

Specifications (in operating state)

	LM54GA-R	LM54GAS-R
■ dimension		
 overall length 	1520 mm	1520 mm
 overall width 	930 mm	930 mm
overall height	1000 mm	1000 mm
■ weight	93.5 kg	97.5 kg
speed	4.7 km/h (3000 rpm)	4.7 km/h (3000 rpm)
■ engine	Robin EY15D 3.5 PS / 4000 rpm	Robin EY15D 3.5 PS / 4000 rpm
cutting cylinder	102 mm x 9 blades	102 mm x 9 blades
width of cut	557	557
■ height of cut	3.5 ~ 10 mm (bottom blade 2.5)	3.5 ~ 10 mm (bottom blade 2.5)
frame (mower unit)	aluminium casting	aluminium casting
grooved front roller	50 x 577 grooved steel tube roller	50 x 577 grooved steel tube roller
■ drum wheel	175 x 535, corrosion- resistant aluminium	175 x 535, corrosion- resistant aluminium
mower unit weight	26 kg	30 kg
grass catcher weight	3.5 kg	3.5 kg

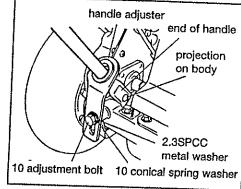
Diagram showing the individual factors which cause poor results when cutting greens



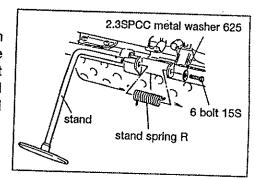
Handling instructions

1. Assembly and adjustment of the body

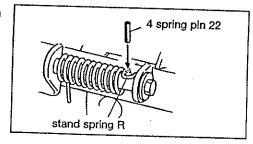
- 1) Attaching the handle to the body.
- ① Insert the ends of the handle from above through the holes in the left-and right-hand handle adjusters (6-22 and 6-23) respectively and position on projections on the body.
- ② Secure the respective left- and righthand handle adjusters to the rear of the body with 10 adjustment bolts 25 (6-24), 10 conical spring washers 1H (6-25) and 2.3SPCC metal washers 1025 (6-33).



- 2) Attaching the stand.
- ① Secure the stand (3-46) from the left in the stand attachment fitting on the rear of the body, pass it to the right through the stand spring (3-47), and secure with 6 bolt 15S (3-51) and 2.3SPCC metal washer 625 (3-50).



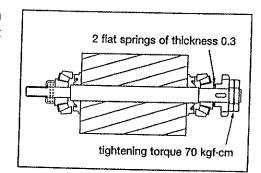
② Then insert the 4 spring pin 22 (3-49) into the hole in the stand after a tool has been used to hook the stand spring R securely onto the pin.



2. Method of installing the cutting cylinder

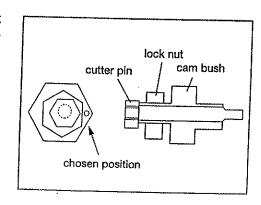
When installing the cutting cylinder turn the blades gently by hand and carry out the adjustment so that the bearing has no backlash. Once the nut has been tightened the adjustment is carried out by gradually loosening the nut until the cutting cylinder turns easily.

For the bearings in the cylinder cutter section please use the 30204JRP6 which has a small error level. Sufficient grease (Excellite EP no. 1) should be put into the bearing before installing it. Sufficient grease should also be put into the seal part (while turning the roller). Bearings and seals should always be replaced every season.



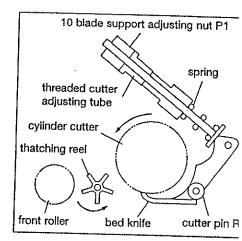
3. Adjusting the blade contact

- 1) Undo the threaded cutter adjusting tube (1-49), install cutter pin R (1-55) with zero spring pressure and set the bed knife COMP (1-42).
- 2) Adjust the cam bush (1-54), and mark the position of the cam bush when the bed knife just makes contact and there is no gap at the edge of the blade on the left or right.
- 3) Remove the cutter pin (1-55).



- 4) Screw in the threaded cutter adjusting tubes (1-49). Turn the 10 blade support adjusting nuts P1 (1-53) until fully slack and set to give left and right symmetry. Screw in cutter pin R (1-55), set the cam bush to the correct position and lock the lock nut (1-56).
- 5) Adjust the bed knife with the 10 blade support adjusting nuts P1 (1-53) so that it makes light contact with the cutting cylinder and can cut newspaper cleanly.

Lapping and grinding should be carried out if there are any places where the sharpness is poor (ragged edges to the incision).



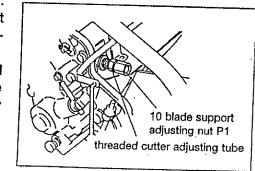
4. Method of blade adjustment

- Caution ... Adjustment of the blades should always be carried out or a level place with the engine stopped.
 - Hands should always be protected with gloves when making test cuts on newspaper. When turning the cutting cylinder take good care that the gloves do not get caught up in the cutting cylinder.

During adjustment, if the 10 blade support adjusting nut P1 (1-53) is turned to the right the contact with the edge of the blade becomes lighter and if it is turned the

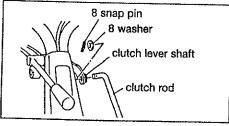
other way the contact becomes heavier. It should be adjusted so that there is light contact on both left and right and newspaper can be cut easily.

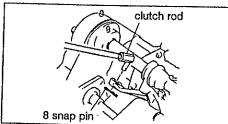
If the cutting cylinder becomes worn and the spring pressure is inadequate the spring pressure should be increased by slackening the lock nut (1-50) and turning the threaded cutter adjusting tube (1-49) to the right.



3) Attaching the clutch rod.

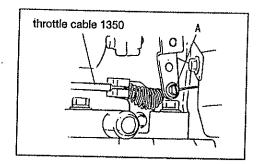
- 1 Insert the clutch rod (6-6) into the clutch lever shaft (6-5) on the upper left side of the handle, and secure with 8 washer (6-21) and 8 snap pin (6-10).
- 2 Then insert the lower part of the clutch rod into the body and secure with 8 snap pin (6-10).





4) Attaching throttle cable.

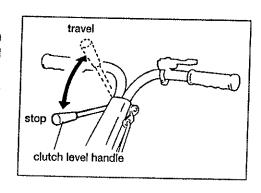
Push the throttle cable 1350 (6-17) into the lower part of the rear of the engine body and tighten screw A securely.



Adjustment of clutch lever handle

The machine travels when the clutch lever handle is pulled towards you and stops when it is returned.

If it does not move forward when the clutch lever is pulled slacken the 6 adjusting bolt 25 (3-15), rotate the lever mount (3-7) to the right, and tighten the bolt.



Greasing the various components

The following components should be greased regularly.

Greasing should be carried out with the various parts rotating and the engir running at idling speed.

Greasing every 10 hours

- left-hand frame no. 2 shaft
- transmission gear case intermediate shaft
- left-hand frame no. 4 shaft
- mower no. 1 shaft
- right-hand frame no. 2 shaft
 mower intermediate shaft
- differential gear section
- · both sides of vertical gear case

(GAS-R model only)

Because bearings are involved particular attention should be paid to th greasing times for components on the 10 hour greasing schedule.

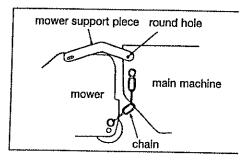
Greasing every 50 hours

• drum bearing

- · lower part of left-hand frame cover
- mower front and rear rollers
 left-hand frame clutch shaft bearing

Adjusting the mower unit position

With the travelling wheels disconnected lower the body onto a flat place and adjust it so that the bolt 45 (1-65) comes to the centre of the long hole in the mower support piece (4-83).



5. Method of lapping and grinding

Caution ... hands should always be protected with gloves when making test cuts on newspaper. When turning the cutting cylinder take good care that the gloves do not get caught up in the cutting cylinder.

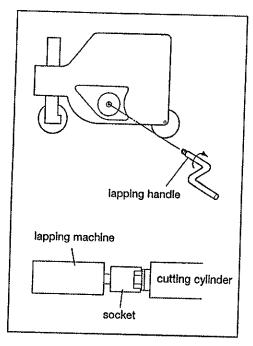
When the grass cutting work is finished and before any adjustments are made a check should be made for places which cut newspaper well and places which do not to see if lapping and grinding is required. (If no cutting occurs over the entire surface then a special check should be made for places which do not cut with the newspaper folded double).

A mixture of 3 ~ 4 parts oil with 1 part lapping powder (#200 ~ #400) should be applied to the cutting cylinder just on places which cut well, and the cylinder is then rotated in the reverse direction. (The powder must definitely not be applied to places with inadequate sharpness where the edge of the cut is ragged).

Rotate the cutting cylinder for a time and when the contact noise has died down test the cutting cylinder again over the full width for places which cut newspaper and places which do not cut.

If this work is carried out repeatedly the cutting cylinder and bed knife will engage evenly.

Finally, finish off by applying lapping powder to the entire surface.



6. Adjusting the clutch components

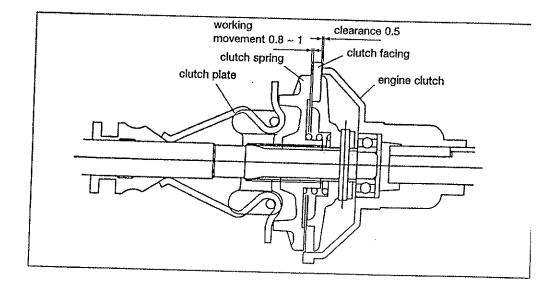
Adjusting the engine clutch components

- If the engine is replaced the clearance between the engine clutch (3-1) ar clutch facing (3-3) when the travelling clutch is engaged should be adjusted approximately 0.5 mm with a special purpose gauge.
- When a new machine has been in use for 10 hours or when the clutch sprir (3-8) is replaced the working movement of the clutch plate (3-6) between whe the travelling clutch is engaged and when it is disengaged should be adjuste to 0.8 ~ 1 mm with the engine stopped.

Clutch lever

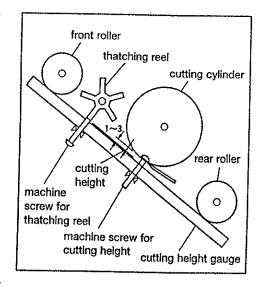
- The travelling clutch lever is located on the right-hand side of the handle; if the lever is pulled the machine advances and if it is released forward the machin stops.
- The various parts of the clutch lever are located towards the rear of the right hand frame cover (4-85) for the drum, towards the front of the left-hand framcover (4-45) for the cylinder, and on the right-hand gear cover (1-89) of the mower for lapping.

When the lever is moved forward the clutch is engaged, and when it is moved back the clutch is in neutral.



7. Adjusting the cutting height

- 1) By raising or lowering the front roller the cutting height can be adjusted between 3.5 mm and 10 mm. By using the 55G bed knife no. 2 it is possible to cut down to a minimum height of 3 mm.
- 2) When using the thatching reel the machine should be set to a lower cutting height of 1 ~ 3 mm. (LM54GAS-R: should be adjusted to suit the condition of the grass).
- 3) When the rotary brush is used it should be set to the same height as the cutting height. If it is set too low the brush will rapidly become damaged. (LM54GAS-R)



8. Types of bed knife

	blade thickness (mm)	minimum cutting height (mm)
standard blade	2.5	3.5
55G bed knife no. 2 (optional)	1.8	3.0

9. Engine inspection schedule

Maintenance inspections should always be carried out in accordance with the following inspection schedule to ensure that the engine is operated under optimum conditions at all times.

running time	every 8 hours	every 15 hours	every 50 hours
check and replenish engine oil	0		
replace engine oil	first time		2nd time onwards
clean air cleaner		0	



... for details please refer to the engine operating and instruction manual.

10. Advice on maintenance



Caution Advice on maintenance

- Maintenance should be carried out after thorough familiarization.
- Maintenance should be carried out in a clean dry place on level ground.
- Maintenance or refuelling should not be carried out while the machine is running.
- Keep hands and feet away from driving and running parts. Great care should be taken that hands and feet do not get dragged in during the maintenance of driving and running parts.
- The cutting cylinder and bed knife both have sharp edges. Please take great care when handling then.
- When test cuts are made on newspaper the cutting cylinder should be turned very carefully with the finger tips.
- All parts should be installed correctly in good condition.
- Damaged parts should be repaired or replaced immediately.
- Parts which are worn and damaged must be replaced.
- Any adhering dirt, grease or oil should be removed.

11. Diagram showing the individual factors relating to blade adjustment standard assembly accuracy lock nut degree of parallelism < 0.01 2 corrugated washer blade deviation < 0.01 cylinder cutter take care when driving in bearing outer ring collar bearing collar hand lock nut left-hand < 0.03 (clearance) 4 cutting cylinder lock nut cutter pin knife support nght bed knife < 0.08 deviation < 0.009 < 0.01 drum standan eccentric cam bearing (30204JRP6) bed knife support (for correcting misalignment) (for correcting degree of parallelism of cutting cylinder) left and right frames (1) Assemble the frames parallel to one another with the drum as the standard. bod krife level < 0.01 stay bolt (2) Grease the bearings and seals thoroughly (while rotating them) and assemble. eccentric cam ralse knife frame assembly (Rotate the cutting cylinder and reduce the left-right backlash to zero) (3) Position cutter pin and eccentric cam horizontally and lock with lock nut. cutting based on deviation of degree of Set the blade edge clearance to the cutting cylinder to 0 by adjusting with the eccentric cam final check parallelism < 0.1 drum (maximum movement 0.3). Make a matching mark on the right-hand frame. front and mar stays (5) Insert cutter spring and carn at (3) and (4). (Note: pay attention to matching mark on the frame) Assemble the cutter pin and bed knife support and reduce the clearance with the cutting cylinder to zero. (6) Confirm the left and right alignment of the cylinder shaft by tapping gently. assemblage (Assembly with left-right symmetry from view A of left-hand frame) * replace after 1 season bearing items for verification (K) blade 1 Before making any changes check carefully for high cutting cylinder spots on blade surface (good cutting) and places where there is a gap (ragged edges). < 0.1 # soal cutter pin and eccentric cam 2 Partial lapping of high spots (good cutting) only. bed knife < 0.08 3 Repeat items 1 and 2 until the entire surface bed knife mount gives ragged edges. (Confirm parallel configuration). bearing (K) < 0.05 front roller (4) Make slight left and right adjustments and lap the entire left and right frames (K) surface to ensure that the whole surface cuts effectively. shaft 1 Adjust so that the machine cuts easily under framework mowing conditions. degree of parallelism stay bolt < 0.05 6 If work is continued without carrying out 1 to 3 there will be front and rear stays a divergence between high spots and places where there are Deviations in parallel configuration often gaps, and one-sided cutting will occur. occur due to problems during transport. (General principle) Maintain the left- right alignment of the cutting cylinder and parallel configuration of the grinding overnaul surface of the bed knife, and carry out the adjustlapping and grinding ment to achieve light contact and effective cutting.

12. Items requiring caution during use



🖺 Danger cylinder mower



Take great care that there are no injuries caused by blades or flying debris.



 During operation, work should be carried out after confirming that there is no-one in the vicinity and that there is no risk of damage.



The cutting cylinder cover should always be fitted before working.



Caution beware of hot parts.



• Please do not touch the cover or silencer when running or immediately after stopping. There is a risk of burns.



Caution when working with machine running



Do not touch any rotating parts when machine is running.



A Caution when carrying out greasing



 Greasing should be carried out with the various parts rotating and the engine running at idling speed.

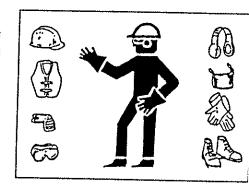
A Caution Caution during use

- Please learn the location and function of all working parts by a thorough reading of the operating and instruction manual.
- Please make sure you know the method of stopping the engine in an eme gency. When starting the engine ensure that the gear and clutch levers a all in neutral.
- Naked flames are strictly forbidden during refuelling.
- · When working in places where there are slopes or undulations alway check that the angle of slope does not exceed 25 degrees, especially whe attempting high-class work.
- Ensure that all parts are stationary before carrying out inspections or repairs
- The engine should not be started inside buildings which do not have ade quate ventilation equipment.
- When leaving the machine the engine should be stopped and the machine left in a level place.
- Please wear close-fitting clothing and protective equipment (glasses shoes, helmet, gloves) which is suitable for work.

13. Safe working

A Caution Safety garments

· For safety please wear close-fitting clothes, which cannot get caught up in the machinery, and protective equipment (such as glasses, shoes, helmet and gloves) which is suitable for work.



Caution Safe working

 As the manufacturers we ask you to ensure that the inspection and servicing of the machinery is thorough, and that the machine is operated correctly with safety as the prime objective not only to ensure the safety of the operator but also to prevent injury to others. To ensure safety we ask you to use genuine replacement parts for the components needed for servicing.

Baroness lawn mower LM54GA-R and LM54GAS-R swing mowers

Parts Catalogue

☆ For ordering parts

The parts in these parts lists are managed by computer, so to avoid mistakes in deliveries please always specify catalogue number, code number and name of part when ordering parts.

(Example)

Catalogue number 1-2

Code number

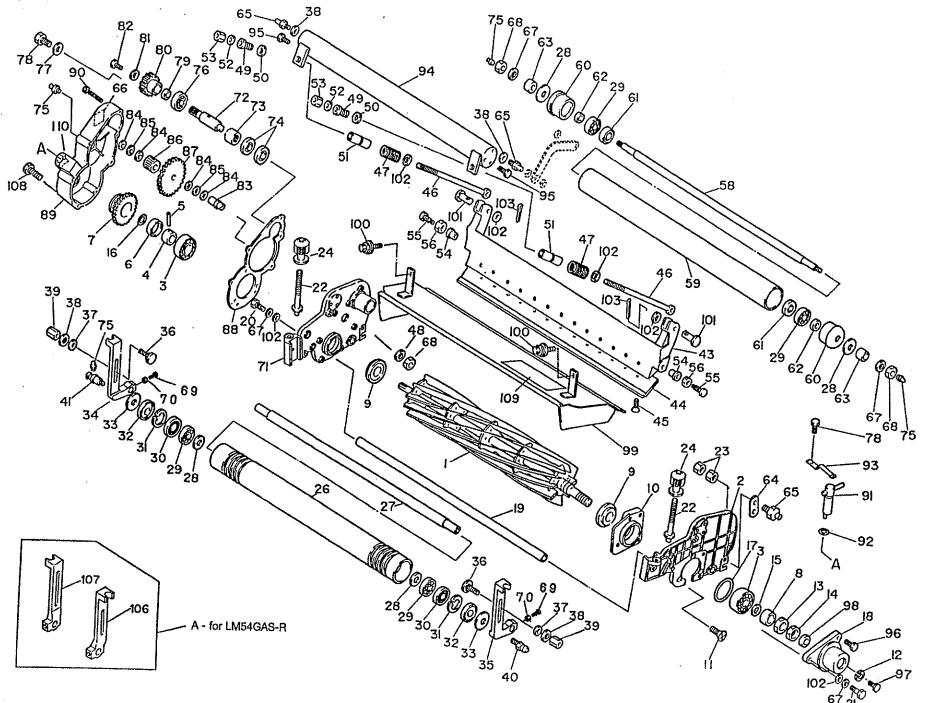
Part name

Quantity

LM5 4GA-0103AR

left-hand frame

1. Mower parts



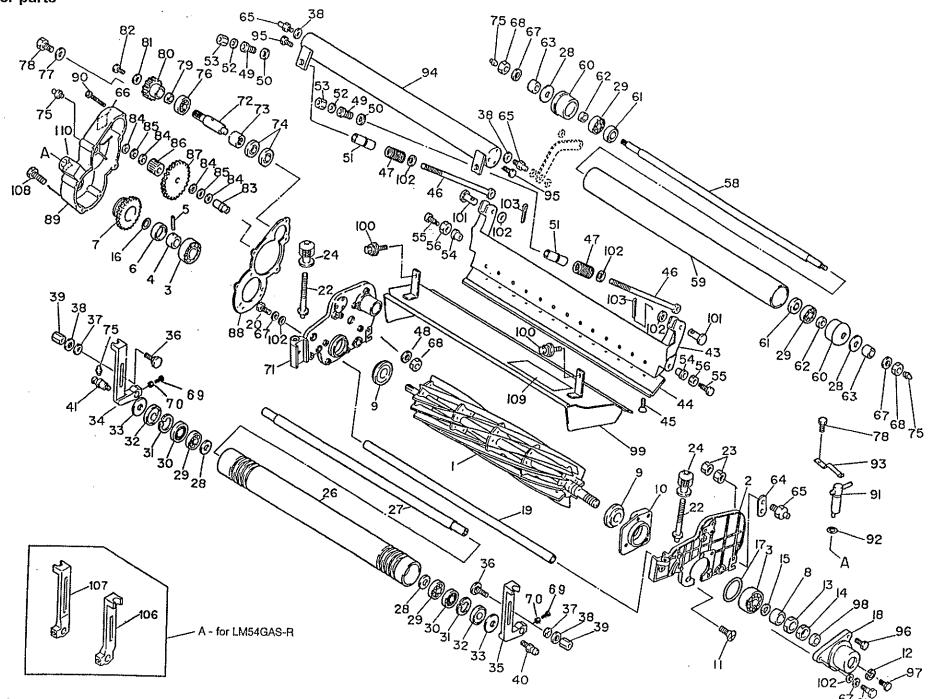
Shared parts O = LM55GD

1-1		Cat. No.		Part name	No. off	Shared part	Notes
1-3			K280540090R		1		
1-4				1 6 /2	1		
1-5 K6051045280					2	0	
1-6					1	0	
1-7 LM5 4G0108Z0 32 tooth gear 1 1-8 K6212000250 20.2STKM collar 25.417 1 1-9 K083000020 oil seal 254210FA 2 1-10 LM5 4GA-0110Z0 left-hand cylinder housing 1 1-11 K0041080202 8 cross-head countersunk screw 20 3 0 1-12 K0200080002 8 S washer 1 1-13 K0170000132 20 small nut 10P1.5 1 1-14 K017000082 20 small nut 8P1.5 1 1-15 K0220200001 20 corrugated metal washer 2 1-16 K088018000 0-ring P50 1 1-17 K0880050000 0-ring P50 1 1-18 LM5 4G0111ZR cylinder shaft cover 1 1-19 LM5 4GA-0114A3 mower front stay 603.4 1 1-20 LM5 4GA-0115Z3 knock bolt 25 1 1-21 K0071000593 10 knock bolt 40 1 0 1-22 LM5 4G-0134A0 adjusting screw 2 1-23 K0102080002 8 nut 3 4 1 1-24 K608400063 roller adjuster 2 1 1-25 LM5 4GA-0131Z3 grooved roller 3 4 1 1 1-26 LM5 4GA-0131Z3 grooved roller 3 4 1 1 1 1 1-27 K6131000010 front roller shaft 1 0 1 1-28 K5051015280 1055191 metal washer 1528 4 0 1 1-29 K0613062020 bearing 62022RDC3 4 0 1 1-31 K0402042001 stop ring R42 2 0 1 1-32 K0861000020 oil seal TA1542.38 2 0 0 1-33 K5051015470 105191 metal washer 1547 2 0 1 1-36 LM5 4GA-0106Z0 right-hand roller bracket 1		1-5	K6051045280	4.5 hardened pin 28	1		
1-8 K6212000250				pin retaining collar	1		
1-9			LM5 4G0108Z0	32 tooth gear	1		
1-10		1-8		20.2STKM collar 25.417	1		
1-11 K0041080202			K0830000020	oil seal 254210FA	2	0	-
1-12		1-10	LM5 4GA-0110Z0	left-hand cylinder housing	1		
1-12 K0200080002 8 S washer 1		1000 00000		8 cross-head countersunk screw 20	3	0	
1-14 K017000082 20 small nut 8P1.5 1 1-15 K0220200001 20 corrugated metal washer 2 2 1-16 K0880018000 0-ring P18 1 1 1-17 K0880050000 0-ring P50 1 1-18 LM5 4G0111ZR cylinder shaft cover 1 1-19 LM5 4GA-0114A3 mower front stay 603.4 1 1-20 LM5 4GA-0115Z3 knock bolt 25 1 1 1-21 K0071000593 10 knock bolt 40 1 0 1-22 LM5 4GA-0134A0 adjusting screw 2 1-23 K0102080002 8 nut 3 4 4 4 1-24 K608400063 roller adjuster 2 0 1-25 LM5 4GA-0129Z0 front roller assembly (1-26~32 set) 1 1-26 LM5 4GA-0131Z3 grooved roller 1 1 0 1-27 K6131000010 front roller shaft 1 0 1-28 K5051015280 1C5191P metal washer 1528 4 0 1-29 K0613062020 bearing 62022RDC3 4 0 0 1-30 K0861000030 oil seal 6202 2 0 1-31 K0402042001 stop ring R42 2 0 1-32 K0861000020 oil seal TA1542.38 2 0 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1 1 1-26 LM5 4GA-0106Z0 right-hand roller bracket 1 1-26 LM5 4GA-0106Z0 right-h				8 S washer	1		
1-15 K0220200001 20 corrugated metal washer 2				20 small nut 10P1.5	1		
1-16 K0880018000		1-14	K0170000082	20 small nut 8P1.5	1		
1-17 K0880050000		1-15	K0220200001	20 corrugated metal washer	2		
1-17 K0880050000		1-16	K0880018000	O-ring P18	1		
1-19 LM5 4GA-0114A3 mower front stay 603.4 1 1-20 LM5 4GA-0115Z3 ltrlock bolt 25 1 1-21 K0071000593 10 knock bolt 40 1 0 1-22 LM5 4G-0134A0 adjusting screw 2 1-23 K0102080002 8 nut 3 4 1 1-24 K6084000063 roller adjuster 2 0 1-25 LM5 4GA-0129Z0 front roller assembly (1-26~32 set) 1 1-26 LM5 4GA-0131Z3 grooved roller 1 1 0 1-27 K6131000010 front roller shaft 1 0 1-28 K5051015280 1C5191P metal washer 1528 4 0 1-29 K0613062020 bearing 62022RDC3 4 0 1-30 K0861000030 oil seal 6202 2 0 1-31 K0402042001 stop ring R42 2 0 1-32 K0861000020 oil seal TA1542.38 2 0 1-33 K5051015470 1C5191P metal washer 1547 2 0 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1		1-17		O-ring P50			
1-20 LM5 4GA-0115Z3 knock bolt 25 1 1-21 K0071000593 10 knock bolt 40 1 1-22 LM5 4G-0134A0 adjusting screw 2 1-23 K0102080002 8 nut 3 4 1-24 K6084000063 roller adjuster 2 0 1-25 LM5 4GA-0129Z0 front roller assembly (1-26~32 set) 1 1-26 LM5 4GA-0131Z3 grooved roller 1 1 1-27 K6131000010 front roller shaft 1 0 1-28 K5051015280 1C5191P metal washer 1528 4 0 1-29 K0613062020 bearing 62022RDC3 4 0 1-30 K0861000030 oil seal 6202 2 0 1-31 K0402042001 stop ring R42 2 0 1-32 K0861000020 oil seal TA1542.38 2 0 1-33 K5051015470 1C5191P metal washer 1547 2 0 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1<			LM5 4G0111ZR	cylinder shaft cover	1		
1-20 LM5 4GA-0115Z3 knock bolt 25 1 1-21 K0071000593 10 knock bolt 40 1 1-22 LM5 4G0134A0 adjusting screw 2 1-23 K0102080002 8 nut 3 4 1-24 K6084000063 roller adjuster 2 1-25 LM5 4GA-0129Z0 front roller assembly (1-26~32 set) 1 1-26 LM5 4GA-0131Z3 grooved roller 1 1-27 K6131000010 front roller shaft 1 O 1-28 K5051015280 1C5191P metal washer 1528 4 O 1-29 K0613062020 bearing 62022RDC3 4 O 1-30 K0861000030 oil seal 6202 2 O 1-31 K0402042001 stop ring R42 2 O 1-32 K0861000020 oil seal TA1542.38 2 O 1-33 K5051015470 1C5191P metal washer 1547 2 O 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1 I <td></td> <td>1-19</td> <td>LM5 4GA-0114A3</td> <td>mower front stay 603.4</td> <td>1</td> <td>- 1</td> <td></td>		1-19	LM5 4GA-0114A3	mower front stay 603.4	1	- 1	
1-22 LM5 4G0134A0 adjusting screw 1-23 K0102080002 8 nut 3 1-24 K608400063 roller adjuster 1-25 LM5 4GA-0129Z0 front roller assembly (1-26~32 set) 1 1-26 LM5 4GA-0131Z3 grooved roller 1-27 K6131000010 front roller shaft 1 O 1-28 K5051015280 1C5191P metal washer 1528 4 O 1-29 K0613062020 bearing 62022RDC3 4 O 1-30 K0861000030 oil seal 6202 2 O 1-31 K0402042001 stop ring R42 2 O 1-32 K0861000020 oil seal TA1542.38 2 O 1-33 K5051015470 1C5191P metal washer 1547 2 O 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1		1-20	LM5 4GA-0115Z3	198	1	- 1	
1-22 LM5 4G0134A0 adjusting screw 2 1-23 K0102080002 8 nut 3 4 1-24 K6084000063 roller adjuster 2 1-25 LM5 4GA-0129Z0 front roller assembly (1-26~32 set) 1 1-26 LM5 4GA-0131Z3 grooved roller 1 1-27 K6131000010 front roller shaft 1 1-28 K5051015280 1C5191P metal washer 1528 4 1-29 K0613062020 bearing 62022RDC3 4 1-30 K0861000030 oil seal 6202 2 1-31 K0402042001 stop ring R42 2 1-32 K0861000020 oil seal TA1542.38 2 1-33 K5051015470 1C5191P metal washer 1547 2 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1			K0071000593	10 knock bolt 40	1	0	
1-24 K6084000063 roller adjuster 2 0 1-25 LM5 4GA-0129Z0 front roller assembly (1-26~32 set) 1 1-26 LM5 4GA-0131Z3 grooved roller 1 1-27 K6131000010 front roller shaft 1 0 1-28 K5051015280 1C5191P metal washer 1528 4 0 1-29 K0613062020 bearing 62022RDC3 4 0 1-30 K0861000030 oil seal 6202 2 0 1-31 K0402042001 stop ring R42 2 0 1-32 K0861000020 oil seal TA1542.38 2 0 1-33 K5051015470 1C5191P metal washer 1547 2 0 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1			LM5 4G0134A0	adjusting screw	2		
1-25 LM5 4GA-0129Z0 front roller assembly (1-26~32 set) 1 1-26 LM5 4GA-0131Z3 grooved roller 1 1-27 K6131000010 front roller shaft 1 1-28 K5051015280 1C5191P metal washer 1528 4 1-29 K0613062020 bearing 62022RDC3 4 1-30 K0861000030 oil seal 6202 2 1-31 K0402042001 stop ring R42 2 1-32 K0861000020 oil seal TA1542.38 2 1-33 K5051015470 1C5191P metal washer 1547 2 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1		1000000	K0102080002	8 nut 3	4	- 1	
1-25 LM5 4GA-0129Z0 front roller assembly (1-26~32 set) 1 1-26 LM5 4GA-0131Z3 grooved roller 1 1-27 K6131000010 front roller shaft 1 1-28 K5051015280 1C5191P metal washer 1528 4 1-29 K0613062020 bearing 62022RDC3 4 1-30 K0861000030 oil seal 6202 2 1-31 K0402042001 stop ring R42 2 1-32 K0861000020 oil seal TA1542.38 2 1-33 K5051015470 1C5191P metal washer 1547 2 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1		1-24	K6084000063	roller adjuster	2	0	
1-27 K6131000010 front roller shaft 1 O 1-28 K5051015280 1C5191P metal washer 1528 4 O 1-29 K0613062020 bearing 62022RDC3 4 O 1-30 K0861000030 oil seal 6202 2 O 1-31 K0402042001 stop ring R42 2 O 1-32 K0861000020 oil seal TA1542.38 2 O 1-33 K5051015470 1C5191P metal washer 1547 2 O 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1	-	1-25	LM5 4GA-0129Z0	front roller assembly (1-26~32 set)	1		
1-27 K6131000010 front roller shaft 1 O 1-28 K5051015280 1C5191P metal washer 1528 4 O 1-29 K0613062020 bearing 62022RDC3 4 O 1-30 K0861000030 oil seal 6202 2 O 1-31 K0402042001 stop ring R42 2 O 1-32 K0861000020 oil seal TA1542.38 2 O 1-33 K5051015470 1C5191P metal washer 1547 2 O 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1		1-26	LM5 4GA-0131Z3	grooved roller	1		
1-28 K5051015280 1C5191P metal washer 1528 4 0 1-29 K0613062020 bearing 62022RDC3 4 0 1-30 K0861000030 oil seal 6202 2 0 1-31 K0402042001 stop ring R42 2 0 1-32 K0861000020 oil seal TA1542.38 2 0 1-33 K5051015470 1C5191P metal washer 1547 2 0 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1		1-27	K6131000010	front roller shaft	1	0	
1-29 K0613062020 bearing 62022RDC3 4 O 1-30 K0861000030 oil seal 6202 2 O 1-31 K0402042001 stop ring R42 2 O 1-32 K0861000020 oil seal TA1542.38 2 O 1-33 K5051015470 1C5191P metal washer 1547 2 O 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1		1-28	K5051015280	1C5191P metal washer 1528	4		
1-30 K0861000030 oil seal 6202 2 O 1-31 K0402042001 stop ring R42 2 O 1-32 K0861000020 oil seal TA1542.38 2 O 1-33 K5051015470 1C5191P metal washer 1547 2 O 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1		1-29	K0613062020	bearing 62022RDC3	4	(23%)	
1-32 K0861000020 oil seal TA1542.38 2 0 1-33 K5051015470 1C5191P metal washer 1547 2 0 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1		1-30	K0861000030	oil seal 6202	2		
1-32 K0861000020 oil seal TA1542.38 2 O 1-33 K5051015470 1C5191P metal washer 1547 2 O 1-34 LM5 4GA-0106Z0 right-hand roller bracket 1		1-31	K0402042001	stop ring R42	2	0	
1-33 K5051015470 1C5191P metal washer 1547 2 O right-hand roller bracket 1			Marine 6 A 75 C C C C C C C C C C C C C C C C C C		1000		
1-34 LM5 4GA-0106Z0 right-hand roller bracket 1			K5051015470	1C5191P metal washer 1547	1		
1.05 1.145 4.04 04.0570	•	1-34	LM5 4GA-0106Z0		- 1		
	_	1-35	LM5 4GA-0105Z0	left-hand roller bracket			

Shared parts $O = LM55GD \square = LM315GA \times = L$	Shared parts	O = LM55GD	□ = LM315GA	X = 1 M3
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Cat. No.	Code No.	Part name	No. off	Shared part	Notes
1-36 1-37 1-38 1-39 1-40	K0025080303 K5000080003 K0213080001 K0149083203 LM5 4G0132Z0	8 round head square neck bolt 30 8 washer 8 conical spring metal washer 1H 8 long nut 20 left-hand mower attachment bolt	2 2 4 2	0 0 0	
1-41 1-42 1-43 1-44 1-45	LM5 4G0133Z0 LM5 4GA-0119A0 LM5 4GA-0120AR K2511000050 K0071000122	right-hand mower attachment bolt bed knife COMP (1-43 ~ 45 set) bed knife mount 55G bed knife no. 1 6 heat-treated countersunk screw 12	1 1 1 1 1	0 0	
1-46 1-47 1-48 1-49 1-50	K6511000050 K100000072 K0210100001 K6081000032 K0160000122	cutter adjusting bolt 185 3.5 compression spring 17.560 10 conical disc spring L threaded cutter adjusting tube lock nut	2 2 1 2 2	0 0	
1-51 1-52 1-53 1-54 1-55	LM5 4GA-0117Z2 K5011010162 K0160000032 K6010000010 K6082000010	collar 53.5 1SPCC metal washer 1016 10 blade support adjusting nut P1 cam bush cutter pin R	2 2 2 2 2	0 X 0 0	
1-57 1-58 1-59 1-60	K0160000112 LM5 4GA-0136Z0 LM5 4GA-0137Z0 LM5 4G0138Z0 LM5 4G0139Z0	lock nut rear roller assembly (1-29, 58~62 set) rear roller shaft rear roller rear roller	2 1 1 1 2	0	
1-62 1-63 1-64 1-65	LM5 4G0148Z3	oll seal MHS16359 oll seal MH15254 collar stop bolt 45	2 2 2 2 4		
1-67 K 1-68 K	K0211100001 K0160000282 K0000060202	10 hour greasing label 10 conical disc spring H 10 nut 3P10H1 6 bolt 20 6 nut	1 4 3 2 2	0 0	

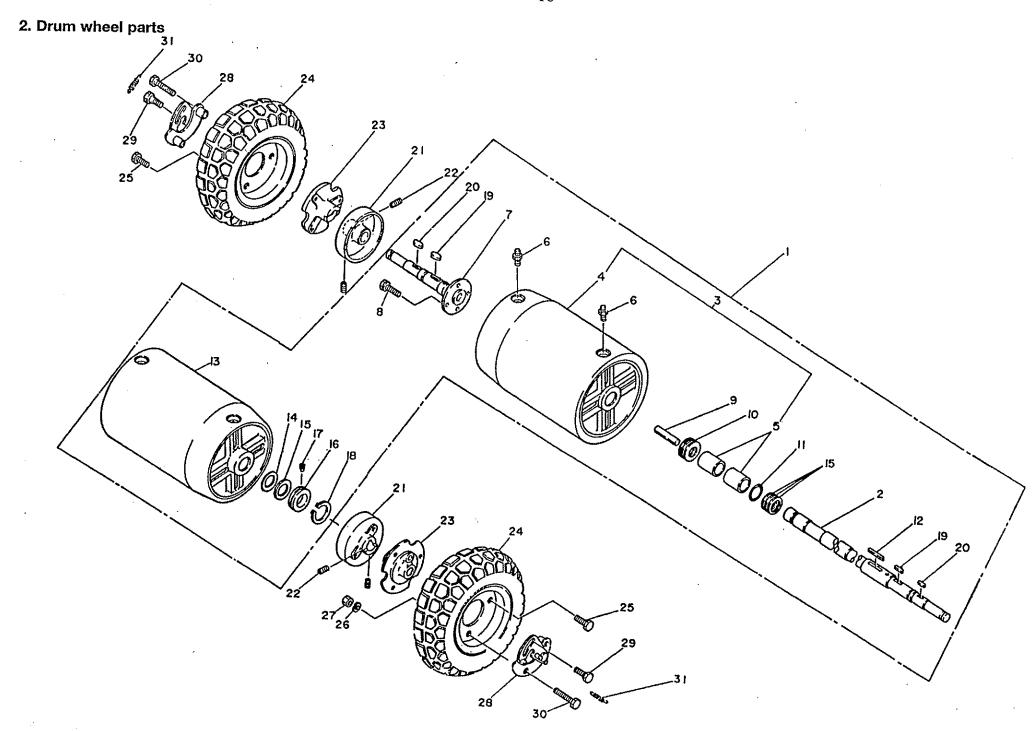
1. Mower parts



Shared parts O = LM55GD $\Box = LM315GA$ X = LM30B $\triangle = FS66B$

Cat. No.	Code No.	Part name	No. off	Shared part	Notes
1-71	LM5 4GA-0102AR	right-hand frame	1		
1-72	LM5 4G0123Z3	no. 1 shaft	1		
1-73	K0736000010	needle bearing TAF2129200G	1		
1-74	K0871212940	seal DS21294 for needle bearing	2		}
1-75	K1440000012	grease nipple	6	0	
1-76	K0613060030	bearing 60032RDC3	1		
1-77	K5090000602	2.3SPCC special metal washer 625	1		
1-78	K0006060152	6 bolt 15S	2		
1-79	LM5 4G0124Z0	collar	1	1	
1-80	K6186000020	16 tooth gear	1		
1-81	K5012308202	2.3SPCC metal washer 820	1		
1-82	K0006080152	8 bolt 15S	1		
1-83	LM5 4GA-0125Z0	Intermediate shaft	1		
1-84	K5051013220	1C5191P metal washer 1322	4	0	
1-85	K5020813220	0.8NBS55 metal washer 1322	2	0	
1-86	K0701317120	needle bearing KT131712	1	0	
1-87	LM5 4G0126Z0	37 tooth gear	1		
1-88	LM5 4G0127Z0	case gasket	1		
1-89	LM5 4GA-0151Z0	right-hand gear cover with label	1		
1-90	K0007060502	6 bolt 50SW	7		
1-91	K7321000102	clutch handle	1	Δ	
1-92	K0880015000	O-ring P15	1	0	
1-93	K1090000052	clutch operating spring	1	0	
1-94	LM5 4GA-0113ZR	mower stay	1		
1-95	K0080080203	8 bolt 20HW	4		
1-96	K0080080253	8 bolt 25HW	2	not GAS-R	
1-97	K0001080152	8 bolt 15P1	1		
1-98	K0801628070	oil seal MH16287	1 1		
1-99	LM5 4GA-0150Z0	cutting cylinder cover with label	1		
1-100	K0070060152	6 bolt 15SW	2		
- 1	K6030010322	10 flat head pin 32	2	X	
1-102	K5000100002	10 washer	6	X	
1-103	K0300250202	2.5 split pin 20	2	X	
1	K2929000000	Dynamax no. 1 grease	200g	0	
1-105	K2930000000	Exellte EP no. 1 grease	40g	0	

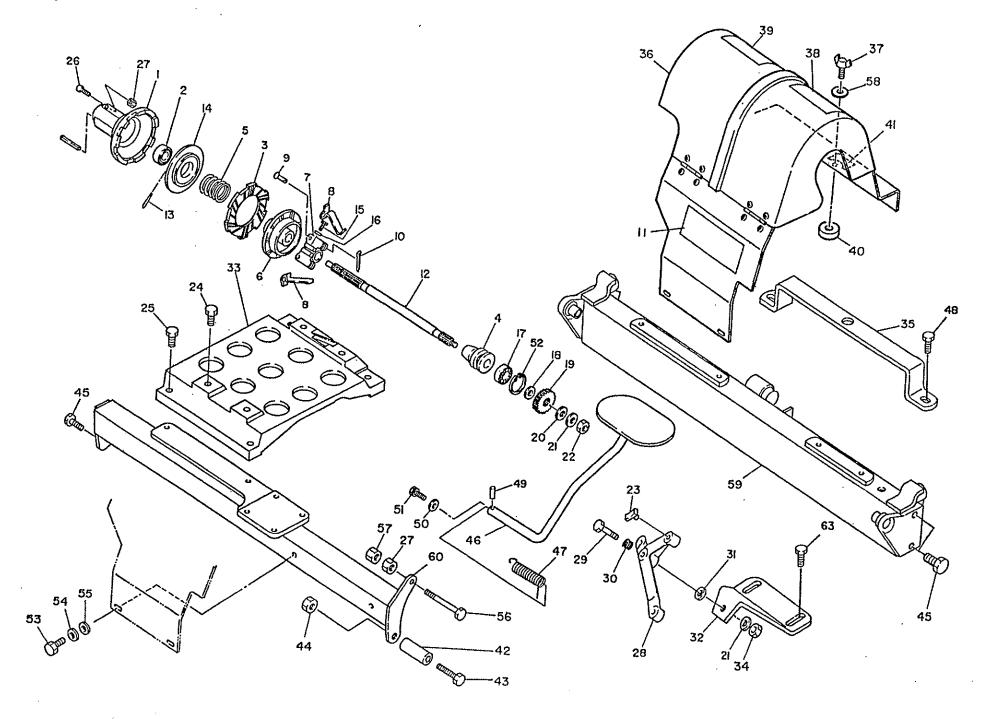
1-106 LM5 4GAS0105A0 roller bracket, left-hand (LM54GAS) 1 roller bracket, right-hand (LM54GAS)		Shared part	No. off	Part name	Code No,	Cat. No.
1-108 K0007080152 8 bolt 15SW 1 1-109 K4205000340 danger label on cylinder mower groomer 1	 		1			
1-109 K4205000340 danger label on cylinder mower groomer 1						
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Cat. No.	Code No.	Part name	No. off	Shared part	Notes
2-1	LM5 4G0230B0	drum assembly	1		
2-2	LM5 5GB-0231F2	drum left-hand shaft	1		
2-3	LM5 4G0236A0	right-hand drum COMP (set 2-4,5)	1 1		
2-4	LM5 4G0237A0	right-hand drum	1	i i	
2-5	K6000000030	25.4 bush 30.142	2		
2-6	K1440000012	grease nipple	2	0	
2-7	LM5 4G0232A3	drum right-hand shaft	1 1		
2-8	K0006080202	8 bolt 20S	4	0	
2-9	LM5 5GB-0233Z0	drum intermediate shaft	1		
2-10	K5051013300	1C5191P metal washer 1330	3		
2-11	K0880025500	O-ring P25.5	1		*****
2-12	K0500505350	double key 535.5	1	0	
2-13	LM5 4G0235A0	left-hand drum	1		
2-14	K5050325420	0.3C5191P metal washer 25.442	1~2	0	
2-15	K5051025420	1C5191P metal washer 25.442	4	0	
2-16	LM5 5GB-0249Z2	drum collar	1	0	
2-17	LM5 5GB-0250Z2	drum collar stopper	1	0	
2-18	K0401042001	stop ring S42	1	ŏ	
2-19	K0500505160	5 double key 516	2	οl	
2-20	K0500505280	5 double key 528	2	ŏ	
2-21	LM5 5GD-0238Z2	brake drum	2	0	
2-22	K0023080101	8 hollow set screw 10	4	ŏ	
2-23	LM5 5GD-0239Z2	wheel clamping seat	2	o l	
2-24	K2020000050	tyre 4.10/3.50-6 assembly	2	οl	
2-25	K0000080122	8 bolt 12	6	0	
2-26	K0200080002	8S washer	6	0	
2-27	K0100080002	8 nut	6	0	
2-28	LM5 5GB-0242B3	wheel clamping plate	2	ŏ l	
2-29	K6082000022	8 lock bolt 10	2	ŏ l	
2-30	K0006080402	8 bolt 40S	2	0	
-31	K1030000062	1.5U hook spring 8.5 35.5	2	0	
-32	K2021000030	tyre 4.10 / 3.50-6	2	0	
-33 1	(209000050L	wheel 3SP-6	2	0	
-34 1	(209000051L	wheel 3SP-6 with hole for valve	2	0	
-35 H	(2091000220	tube 4.10 / 3.50-6	2	o	

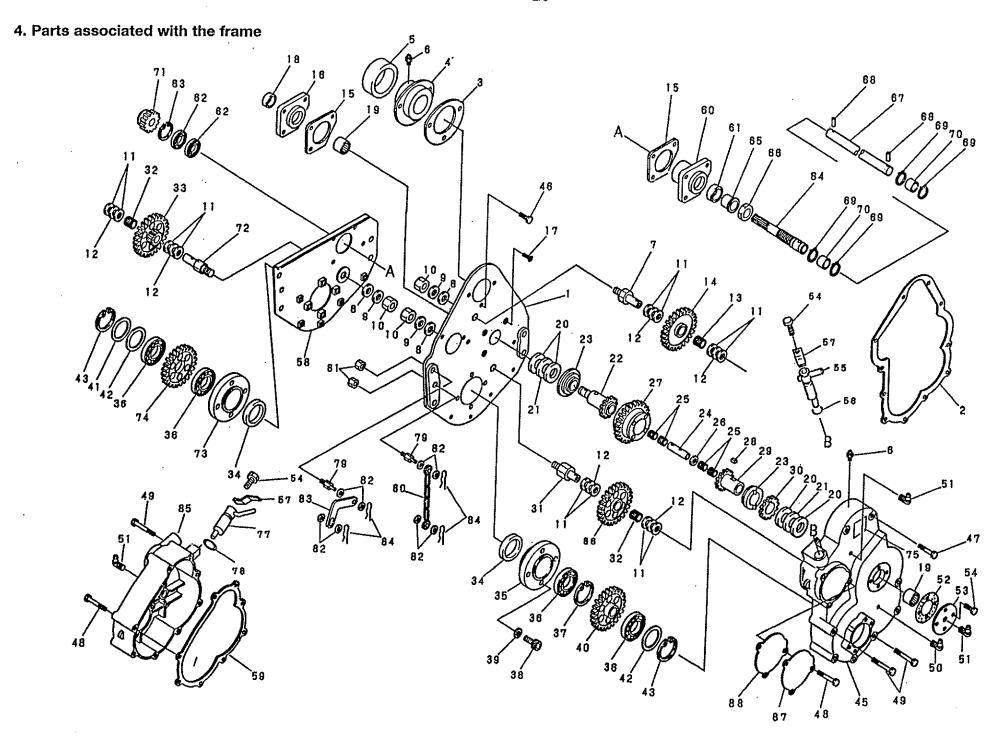
Cat. No.	Code No.	Part name	No. off	Shared	Note
2 00	1/2200000000			part	
2-36 2-37	K2092000020 K2093000010	valve core NO9000 valve cap	2 2	0	
		vaive cap	2	0	
					
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3. Clutch parts



Cat. No.	Code No.	Part name	No. off	Shared part	Notes
3-1	K6911000050	engine clutch	1	0	
3-2	K0616062020	bearing 62022NSEC3	1	0	
3-3	K1810000030	clutch facing	1		
3-4	K6311000012	clutch	1	0	
3-5	K1000000162	3.5 compression spring 3415	1	0	
3-6	K6911000022	clutch plate	1	0	
3-7	K6310000012	lever mount	. 1	0	
3-8	K1090000010	clutch spring	2	0	
3-9	K6040060282	6 round head pin 28	2	0	
3-10	K0300020202	2 split pin 20	2	0	
3-11	K4205000810	joint + revolving parts warning label	1	0	
3-12	K6100000023	engine clutch shaft 303	1	0	
3-13	K0310050402	5 tapered pin 40	1	0	
3-14	K6911000043	metal backing for facing 15	1	0	
3-15	K0013060251	6 adjusting bolt 25	1		
3-16	K5000060002	6 washer	4	0	
3-17	K0616062030	bearing 62032NSEC3	1	0	
3-18	K6212001060	17.1STKM collar 2214	1	0	
3-19	K6186000020	16 tooth gear	1	0	
3-20	K5002100002	10 washer 22	1	0	
3-21	K0213100001	10 conical spring washer 1H	2	0	
3-22	K0160000282	10 nut 3P10H1	1	0	
3-23	K6310000022	clutch trunnion	1	0	
3-24	K0007080402	8 bolt 40SW	4	0	
3-25	K0007080352	8 bolt 35SW	4	0	
3-26	K0000060302	6 bolt 30	1	0	
3-27	K0143060002	6 nut with conical disc spring	2	0	
3-28	K6911000032	L-shaped clutch lever	1	Ö	
3-29	K0003100502	10 bolt 50	1	0	
3-30	K1000000203	2 compression spring 1514	1	0	
3-31	K5011010202	1SPCC metal washer 1020	1	0	
3-32	LM5 4G0711AR	L-shaped lever mount (M10P1→M10P1.5)	1	•	
-33	LM5 4GA-0718ZR	engine base	1		
3-34	K0101100002	10 nut 2	1	0	
3-35	LM5 4G0721AR	rear cover mount	1		

Cat. No.	Code No.	Part name	No. off	Shared part	Notes
3-36	LM5 4GA-0726Z0	clutch cover assembly	1		
3-37	K0022080202	8 wing boit 20	1		
3-38	K4205000760	greasing warning label	1		
3-39	K4205000550	cylinder mower warning label	1		
3-40	K4031000070	5 anti-vibration rubber 825	1		
3-41	K4209000400	cover installation label	1		
3-42	LM5 4G0615Z3	10.2 collar 59.8	1		
3-43	K0000100803	10 bolt 80	1		
3-44	K0143100002	10 nut with conical disc spring	1		
3-45	K0080100203	10 bolt 20 HW	5		
3-46	K789900041D	stand	1	0	
3-47	K1090000022	stand spring R	1	0	
3-48	K0007080152	8 bolt 15SW	3		
3-49	K0320040221	4 spring pln 22	1	0	
3-50	K5012306252	2.3SPCC metal washer 625	1	0	
3-51	K0006060152	6 bolt 15S	1	0	
3-52	K0402040001	stop ring R40	2		
3-53	K0000050103	5 bolt 10	2		
3-54	K0200050003	5S washer	2		
3-55	K5000050003	5 washer 1	0		
3-56	K0000061302	6 bolt 130	1		
3-57	K0100060002	6 nut	1		
3-58	K5000080002	8 washer	1		
3-59	LM5 4G0714BR	frame rear stay	1		
3-60	LM5 4G0713ZR	frame front stay	1		



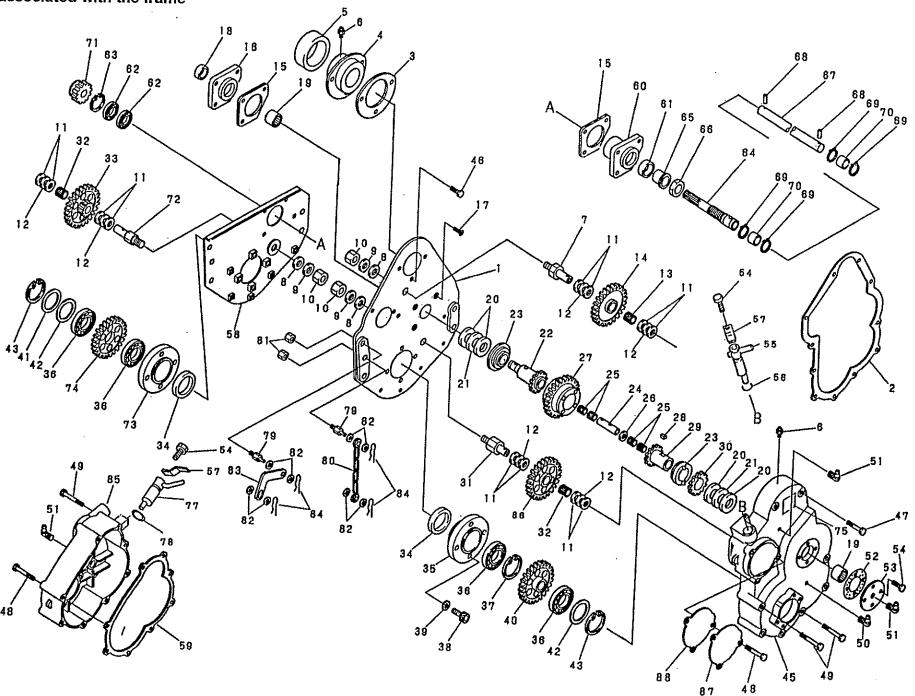
Shared parts O = LM55GD

Cat. No.	Code No.	Part name	No. off	Shared part	Notes
4-1	LM5 4G0601A3	left-hand frame	1	 -	<u> </u>
4-2	LM5 4G0603A0	large gasket]
4-3	LM5 4G0607Z0	no. 1 shaft gasket	1		
4-4	LM5 4G0608Z3	no. 1 shaft housing			
4-5	K0811930070	oil seal MHS19307	1	0	
4-6	K1440000012	grease nipple	2	0	
4-7	LM5 4G0201Z0	no. 2 shaft	1		
4-8	K5000100002	10 washer	3		
4-9	K0211100001	10 conical disc spring H	3		
4-10	K0160000283	10 nut 3P10H1	3	0	
4-11	K5051013220	1C5191P metal washer 1322	12	0	
4-12	K5020813220	0.8NBS55 metal washer 1322	6	o .	
4-13	K0701317120	needle bearing KT 131712	1	0	
4-14	LM5 4G0202Z0	38 tooth gear	1		
4-15	LM5 4G0609Z0	differential housing gasket	2		
4-16	LM5 4G0610ZD	left-hand differential housing	1		······································
4-17	K0041060122	6 cross-head countersunk screw 12	3		
4-18	K0871182640	seal DS18264 for needle bearing	1		
4-19	K0722210000	needle bearing TA2210Z	2	0	
4-20	K5051022300	1C5191P metal washer 2230	4	0	
4-21	K5020822300	0.8NBS55 metal washer 2230	2	0	
4-22	LM5 5GB-0210A3	right-hand 16 tooth differential gear	1	ŏ	
4-23	K6202000140	differential gear bearing	2	ō	
4-24	K6150000150	10 differential pin 55	1	ŏ l	
4-25	K0701013100	needle bearing KT 101310	4	0	
	K5051010220	1C5191P metal washer 1022	1	0	
	LM5 4G0203Z0	50 tooth differential gear assembly	1	_	
	K0520504060	5 single key 46.3	1	0	
I .	LM5 5GB-0209C0	left-hand 16 tooth differential gear	1	ŏ l	
4-30	LM5 5GB-0214A0	left-hand 18 tooth gear	1	0	
	LM5 4G0218Z0	left-hand frame no. 4 shaft	1		
- 1	K0711317200	needle bearing KTW131720	2	0	
	LM5 4GA-0219A0	46 tooth 17 tooth right-hand gear	1	-	
	K0822542080	oil seal MHSA25428	2		
4-35 I	LM5 4G0222A0	left-hand shaft housing	1		

Shared	parts	0 =	LM55GD

Cat. No	. Code No.	Part name	No. off	Shared part	Notes
4-36	K0601062040	bearing 6204C3	4	0	
4-37	K0402047001	stop ring R47	;		
4-38	K0024080201	8 hexagon bolt with holes 20	8		
4-39	K0215080001	8 conical spring washer 2H	8		
4-40	LM5 4GA-0223A0	left-hand 45 tooth shaft gear	1		
4-41	K5011020282	1SPCC metal washer 2028	2		
4-42	K5010320282	0.3SPCC metal washer 2028 (for adjustment)		0	
4-43	K0401020001	stop ring S20	2	0	
4-44	K292900000	Dynamax no. 1 grease	500g	0	
4-45	LM5 4GA-0621Z0	left-hand frame cover with label	300g 1		
4-46	K0007060203	6 bolt 20SW	2		
4-47	K0007060503	6 bolt 50SW	2		
4-48	K0007060653	6 bolt 65SW	9		
4-49	K0007060703	6 boit 70SW	7		
4-50	K1440000032	8 grease nipple	2	0	
4-51	K1440000022	C grease nipple	2	0	
4-52	LM5 5GB-0208Z0	gasket	1~2	0	
4-53	LM5 5GB-0217Z0	bearing pressure plate	1	0	
4-54	K0007060152	6 bolt 15SW	6	0	
4-55	K7321000092	clutch handle	1	0	
4-56	K0880015000	0-ring P15	1	0	
4-57	K1090000052	clutch pressure spring	2	o l	
4-58	LM5 4G0602Z3	right-hand frame	1		
4-59	LM5 4G0606Z0	right-hand gasket	1		
4-60	LM5 4G0612ZD	right-hand differential housing	1		
4-61	K0822030070	oil seal MHSA20703	1		
4-62	K0616062020	6202-2NSGC3SRL	2	0	
4-63	K0402035001	stop ring R35	1	0	
4-64	K6100000043	right-hand transmission shaft			
4-65	K0160000510	17 special nut P1-22	1		
4-66	K0160000333	17 special nut P1-7	1		
	LM5 4G0225Z3	transmission shaft	1		
	K0311040170	4 needle roller 17.8	2	0	
	K0401018001	stop ring S18	4	0	
4-70	LM5 5GB-0224Z2	differential coupling shaft collar	2	0	

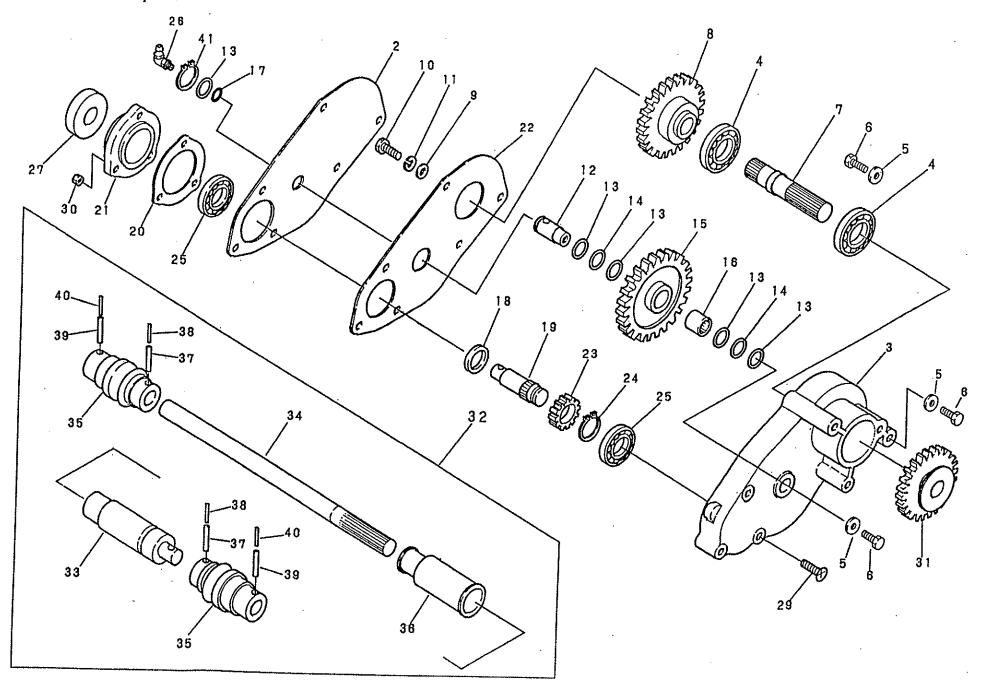
4. Parts associated with the frame



Cat. No.	Code No.	Part name	No. off	Shared part	Notes
4-71	K6180000090	18 tooth gear M2	1		
4-72	LM5 4G0228Z0	right-hand frame no. 2 shaft	1] [
4-73	LM5 4G0229Z0	right-hand shaft housing	1		
4-74	LM5 4GA-0221A0	right-hand 45 tooth shaft gear	1		
4-75	K4209000370	10 hour greasing label	1		
4-76	K2929000000	Dynamax no.1 grease	100g	0	
4-77	LM5 4G0618Z3	clutch handle	1		
4-78	K0880012500	0-ring P12.5	1	0	
4-79	LM5 4G0614Z3	chain-holding bolt	4		
4-80	LM5 4G0617Z0	chain	2		
4-81	K0143100003	10 nut with conical disc spring	3		
4-82	K5000080002	8 washer	16		
4-83	LM5 4G0616Z3	mower supporting piece	2		
4-84	K0340800003	8 positive lock snap pin	8	l	
4-85	LM5 4GA-0622Z0	right-hand frame cover with label	1		
4-86	LM5 4GA-0220A0	left-hand 46 tooth 17 tooth gear	1		
4-87	LM5 4G0619Z3	cover	1		
4-88	LM5 4G0620Z0	gasket	1		
	·····				

Cat. No.	Code No.	Part name	No. off	Shared part	Notes
		·			

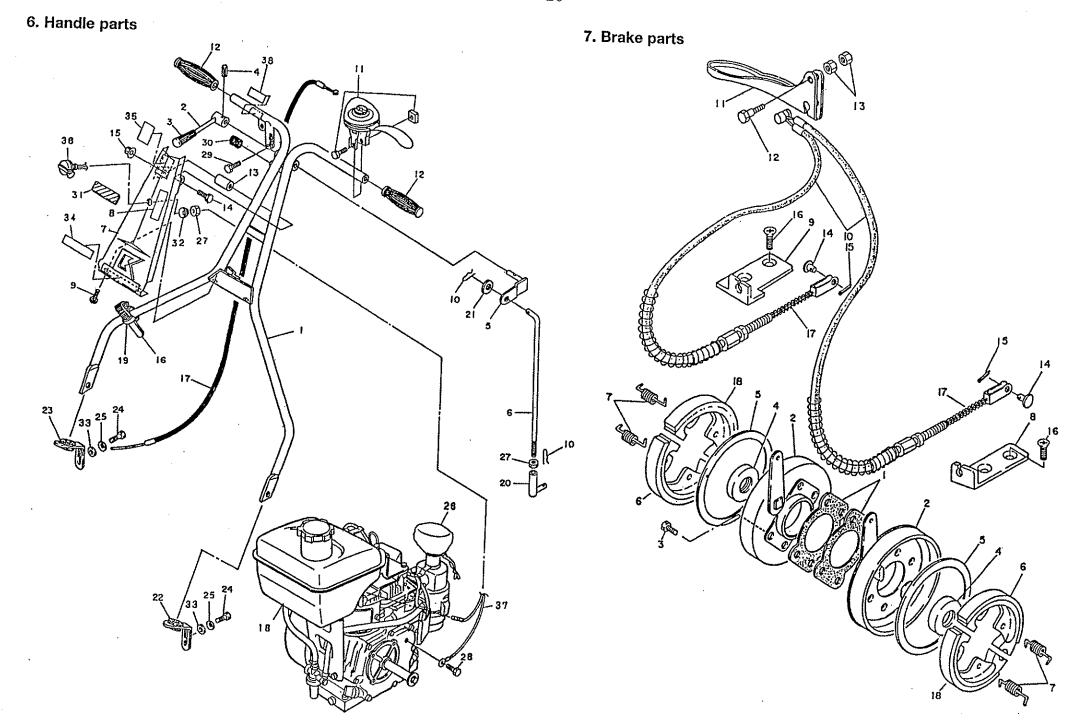
5. Mower transmission parts



Shared parts O = LM55GD

Cat. No.	Code No.	Part name	No. off	Sháred part	Notes
5-1	LM5 4G0513Z0	gear case assembly (5-2~30 set)	1		
5-2	LM5 4GA-0513Z0	plate with label	1		
5-3	LM5 4G0502ZD	gear case	1		
5-4	K0616062030	bearing 62032NSEC3	2		
5-5	K5012306202	2.3SPCC metal washer 620	4		
5-6	K0006060152	6 bolt 15S	4		
5-7	LM5 4G0503Z0	no. 1 shaft	1		
5-8	LM5 4G0504Z0	31 tooth gear	1		
5-9	K5001080002	8 washer 21	1	·	
5-10	K0000080152	8 bolt 15	1		
5-11	K0213080001	8 conical spring washer 1H	1		
5-12	LM5 4G0505A0	Intermediate shaft	1		
5-13	K5051013220	1C5191P metal washer 1322	5	0	
5-14	K5020813220	0.8NBS55 metal washer 1322	2	0	
5-15	LM5 4G0506Z0	intermediate 35 tooth gear	1	·	
5-16	K0701317120	needle bearing KT131712	1	0	110001
5-17	K0880012500	0-ring P12.5	1	اما	
5-18	LM5 4G0507Z0	3 collar 1522	1		
5-19	LM5 4G0508Z3	coupling shaft	1		
5-20	LM5 4G0509Z0	gäsket	1		
5-21	LM5 4G0510Z0	housing	1		
5-22	LM5 4G0511Z0	large gasket	1	ĺ	
5-23	K6186000020	16 tooth gear	1	0	
5-24	K0401015001	stop ring S15	1		
5-25	K0601060020	bearing 6002C3	2		
5-26	K1440000046	C grease nipple PT1/8	1		
5-27	K0821535070	oll seal AJN15357	1	1	
5-28	K2930000000	Exelite EP no. 1 grease	50g	1	
5-29	K0049060452	6 stainless cross-head countersunk screw 45	3	-	
5-30	K0100060002	6 nut	5	- 1	
5-31	LM5 4G0512Z0	27 tooth gear	1		
5-32	LM5 4G0403Z0	Joint assembly (5-33~40 set)	1		
5-33	LM5 4G0401AD	spline sleeve with boss	1		
5-34	LM5 4G0402Z3	spline shaft	1		
5-35	K1620000040	Joint TBJ14SBC	2		

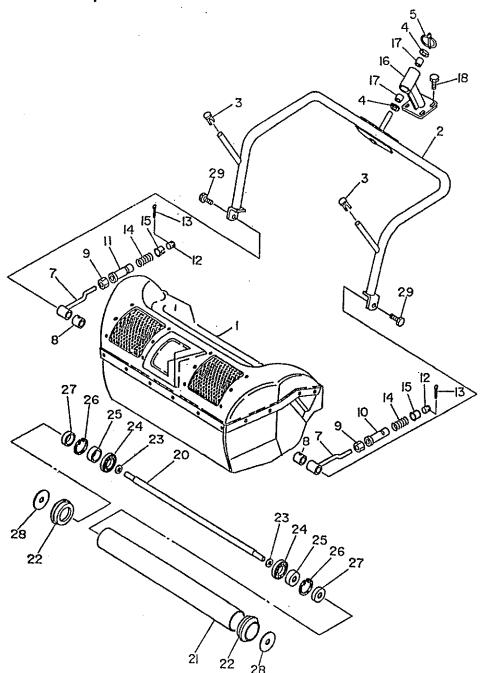
Cat. No.	Code No.	Part name	No. off	Shared part	Notes
5-36	K4032000030	24 boot 250	1		
5-37	K0320040221	4 spring pin 22	2		
5-38	K0320025221	2.5 spring pin 22	2		i
5-39	K0320040251	4 spring pin 25	2		
5-40	K0320025251	2.5 spring pin 25	2		
5-41	K0401013001	stop ring S13	+		
	,				



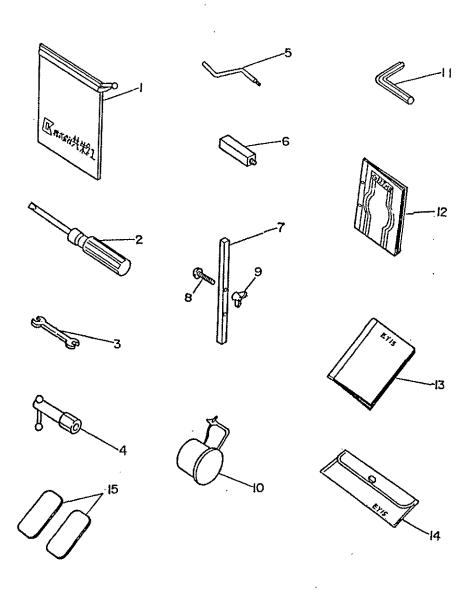
Cat. No.	Code No.	Part name	No. off	Shared part	Notes
6-1	K9200000040	handle 54 with label	1	ОД	
6-2	K8060000010	travelling clutch lever with grip	1	ΔΟ	
6-3	K1300000070	9 black grip 22	1	ΟΔ	
6-4	K0320050201	5 spring pin 20	1 1	ОД	
6-5	K7321000033	clutch lever shaft	1	ΟΔ	
6-6	LM5 4G0705Z3	clutch rod	1		
6-7	K9200000030	handle cover with label	1	00	
6-8	K4203000680	engine switch label	1	ОД	
6-9	K0048040102	4 cross-head countersunk screw 10S	2	ОД	
6-10	K0340800002	8 snap pin	2	OA	
6-11	K1203552100	throttle lever E352100	1	ΟΔ	
6-12	K1300000140	black hand grip 21	2	00	
6-13	K6211000033	6.5SGP collar 10.516	1	ΟΔ	
6-14	K0042050252	5 round-head screw 25	1	ΟΔ	
6-15	K0143050002	5 nut with conical disc spring	1	ОД	
6-16	K4141000010	nylon band 140	3	ОД	
6-17	K1110135000	throttle cable 1350	1	ОД	
6-18	K2620000230	Robin EY150DDM190	1	Δ	
6-19 6-20	K4241000070 K7309000013	urethane tube 7	1	ΟΔ	
6-21	K5000080003	rod adjuster 8 washer	1	ОД	
6-22	LM5 5GB-0715E0	left-hand handle adjuster	1	0	
6-23	LM5 5GB-0716E0	right-hand handle adjuster	i	ŏl	
6-24	K0010100251	10 adjustment bolt 25	2	ΟΔ	
6-25 6-26	K0213100001	10 conical spring washer 1H	2	ОД	
6-27	K4110000060 K0102080003	cleaner cover A 8 nut 3	1 2		
6-28	K0000080152	8 bolt 15S	1		
6-29	K0006050203	5 bolt 20S	1		
6-30	K4031000100	rubber stopper	i		
6-31	K4033000070	handle cover anti-vibration rubber	1	ΔΟ	
6-32	K0210080002	8 conical disc spring L	1	ΟΔ	
	K5012310253	2.3SPCC metal washer 1025	2	0Δ	
1	K4201000120 K4209000430	Baroness label 121	1	ΟΔ	
	K4209000430 K3662000050	clutch indication label engine switch FR56361-A	1	04	
	K3620000410	engine switch cable 8	1	ΟΔ	
	K4203000440	brake lever label	1		

		Snared	parts	O = L	.M55G
Cat. No.	Code No.	Part name	No. off	Shared part	Notes
7-1 7-2 7-3 7-4 7-5	LM5 5GB-1101Z0 LM5 5GB-1102Z3 K0006060202 K0852042080 K4009000010	gasket brake mounting plate 6 bolt 20S oil seal PJN20428 1 felt 96110	2 2 8 2 2	00000	
7-6 7-7 7-8 7-9 7-10	K1725000010 K1040000010 LM5 5GB-1113A3 LM5 4G-1112Z3 K1120143400	right-hand brake shoe 100 1.6 hooked spring 845 left-hand brake cable mount right-hand brake cable mount brake cable 1434	2 4 1 1	000	
7-11 7-12 7-13 7-14 7-15	K1241132014 K0071000213 K0100060002 K6030050122 K0300020162	brake lever E113201 brake bolt 6 nut 5 flat-head pln 12 2 split pln 16	1 1 2 2 2	00000	
7-16 7-17 7-18	K0040060152 K1000000272 K1725000020	6 cross-head countersunk screw 15 0.8 compression spring 76.5 left-hand brake shoe 100 Note: When replacing brake shoes please replace 7-6 and 7-18 as a set.	4 2 2	000	

8. Grass catcher parts

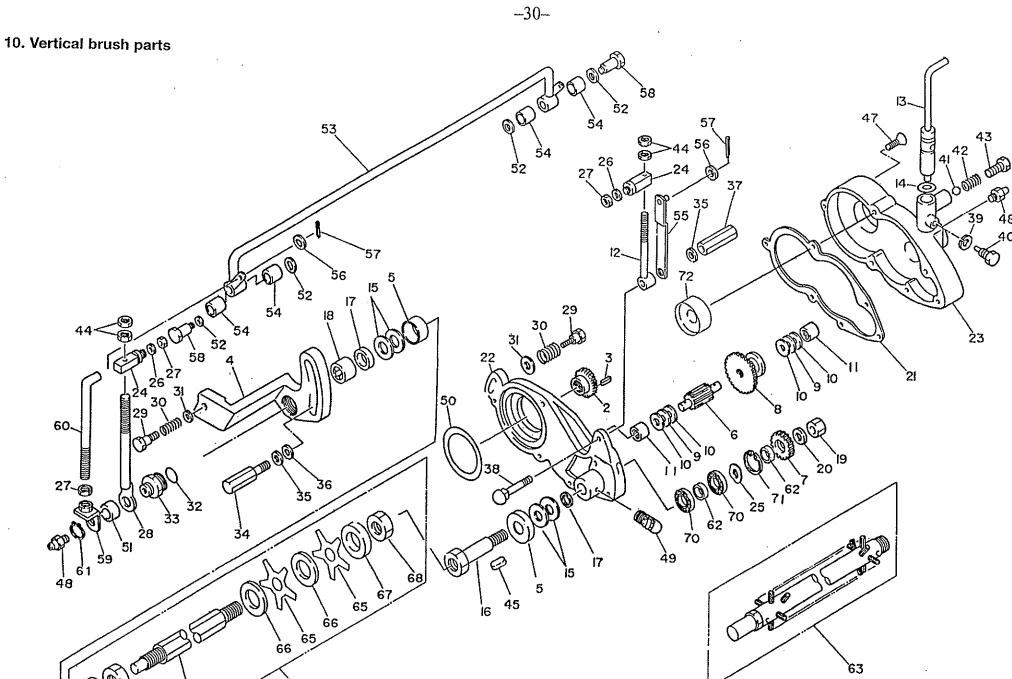


9. Tools



Cat. No.	Code No.	Part name	No. off	Sháred part	Notes
8-1	LM5 4G0821Z0	grass catcher 54 COMP	1		
8-2	LM5 4G0802A0	grass catcher attachment piece	1		
8-3	K131000060	stepped cap 12.7	2	0	
8-4	K5051017280	1C5191P metal washer 1728	2		
8-5	K6061060003	6 clip pin	1	X	
8-6	LM5 4G0823Z0	mower attachment piece COMP (8-7.8 set) for LM54GA	2		
8-7	LM5 4G0803Z3	mower attachment piece for LM54GA	2		
8-8	K6000000150	15 bush with holes 2029	2		
8-9	K0107100003	10 nut 3P1	2	0	
8-10	LM5 4G0804Z3	left-hand tube	1		
8-11	LM5 4G0805Z3	right-hand tube	1		
8-12	LM5 4G0806Z3	set screw	2		
8-13	K0300025252	2.5 split pin 25	2	1	
8-14	K1000000672	1 compression spring 1843	2		
8-15	LM5 4G0808Z3	stopper	2		
8-16	LM5 4G0719ZR	arm attachment hitch	1		
8-17	K6000000240	17 bush 2019	2	•	
8-18	K0007080152	8 bolt 15SW	4	_	
8-19	LM5 4G0810A0	60 roller 590 assembly (8-20~27 set)	1		
8-20	K6131000060	roller shaft 651	i		
8-21	K6226000060	54 roller tube 60560A	1		
8-22	LM5 4G0812Z0	roller housing 60	2		
8-23	K5051015280	1C5191P metal washer 1528	2	0	
8-24	K0613062020	bearing 62022RDC3	2	o l	
8-25	K0861000030	oll seal 6202	2	0	
8-26	K0402042001	stop ring R42	2	0	
8-27	K0861000020	oil seal TA1542.38	2	0	
8-28	K5051015470	1C5191P metal washer 1547	2	0	
8-29	K0007100302	10 bolt 30SW	2	0	
8-30	LM5 4GS-0823Z0	mower attachment piece COMP (8-8.31 set) for LM54GAS	2	~	
8-31	LM5 4GS-0803Z3	mower attachment piece for LM54GAS	2		
			-		
1					

		Shared parts $O = LM5$	5GD	$\triangle = LM22GI$	
Cat. No.	Code No.	Part name	No. off	Shared part	Notes
9-1 9-2 9-3 9-4 9-5	K4801000020 K4820000020 K4810080102 K4812070002 K6125000022	tool bag bladed screwdriver N200 spanner 8X10 box spanner 7 cylinder grinding handle	1 1 1 1	000	
9-6 9-7 9-8 9-9 9-10	K6090000332 K6090000072 K0046060302 K0141060002 K4110000060	cylinder grinding shaft cutting height gauge 3 6 cross-head tapping screw C-1 pan head 30 6 wing nut cleaner cover A	1 1 1 1	Δ Δ Δ	
9-11 9-12 9-13 9-14 9-15	K4813040001 LM5 4GA-96F-05 K2620EY15D-01 K2620EY15D-10 K4802000120	hexagon spanner 4 parts catalogue LM54GA information on EY15D tools for EY15D 0.5 thickness gauge	1 1 1 2	Δ Δ Ο	
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Shared parts O = LM55GDF

Cat. No	. Code No.	Part name	No. off	Shared part	Notes
10-1	LM5 4GAS1209C0	G groomer reel (10-64~69 set)	1	 	<u> </u>
10-2	LM5 4GS-1206Z0	23 tooth reel gear	1		
10-3	K0520404140	4 single key 414	1	0	
10-4	LM3 4GS-1207AR	right-hand vertical housing	1 1		
10-5	K5300000293	dustproof cover	2		
10-6	LM5 4GS-1215Z0	intermediate shaft	1		
10-7	LM5 4GS-1216Z0	17 tooth gear	1		
10-8	LM5 4GS-1217Z0	37 tooth gear	1 1.		
10 -9	K5020808180	0.8NBS55 metal washer 818	2	0	
10-10	K5051008180	1C5191P metal washer 818	4	Ö	
10-11	K0720810000	needle bearing TA810Z	2	0	
10-12	LM5 4GS-1220Z3	left-hand stopper	1		
10-13	LM5 4GS-1221A3	clutch lever			
10-14	K0880011000	0-ring P11		0	
10-15	K5051015280	1C5191P metal washer 1528	4	0	
10-16	LM5 4GAS1223Z3	small vertical shaft		-	
10-17	K0821522070	oil seal MHSA 15227	2		
10-18	K0721520000	needle bearing TA1520Z	1	0	
10-19	K0108100002	10 nut 3P1	1 1	0	
10-20	K0210100001	10 conical disc spring L		0	
10-21	LM5 4GS-1224Z0	gasket	1 1	-	
10-22	LM5 4GAS1225ZR	left-hand reel housing			
10-23	LM5 4GAS1247Z0	cover with label	1 1		
10-24	LM5 4GAS1227Z3	adjuster	2	1	
10-25	K0220160110	16011 corrugated washer	1		
10-26	K5012306202	2.3SPCC metal washer 620	- -		
10-27	K0143060002	6 nut with conical disc spring	2	0	
10-28	LM5 4GS-1229Z3	mounting screw	3		
	LM5 5GBS1230C2	right-hand case retaining bolt	1		
	K1000000302	1.6 compressing spring 13.720	2 2	0	
10-31	K5090000250	2C5191P metal washer 8.522	 -	0	
	K0880018000	0-ring P18	2	0	
. 1	LM5 4GS-1231A0	screw	1	0	
	K6081000053		1		
	<0213080001	bolt with perforated handle 45 8 conical spring washer 1H		0	
		o comear spring wasner 1H	2	0	

	Shared part	s O=LM55GD □=LM3	15GA	● = L	M55TI
Cat. No	Code No.	Part name	No. of	Shared part	Note:
10-36	K5000080002	8 washer	1	0	
10-37	K0149083203	8 long nut 20		0	
10-38	K0025080553	8 round head square neck bolt 55	1	0	
10-39	K0200080002	8S washer	1	0	
10-40	LM5 5GBS1236Z2	stop bolt	1	0	
10-41	K1500635000	6.35 steel ball	1		
10-42	K1000000090	1 compression spring 618	1	0	
10-43	K0007080152	8 bolt 15SW	1	0	
10-44	K0102008003	8 nut 3	1	0	
10-45	K0520404050	4 single key 45.8	4	0	
10-46	K2931000000	Exellte EP no. 2			
10-47	K0040060352	6 cross-head countersunk screw 35	50g	0	
10-48	K1440000012	grease nipple	6	0	
10-49	K1440000032	B grease nipple	2	0	
10-50	K0880050000	O-ring P50	1	0	
10-51	LM5 4GS-1237Z3		1		
10-51	K5051010180	17.3 collar 8	1		
10-52	· · · · · · · ·	1C5191P metal washer 1018	4	0	
10-53	LM5 4GS-1238Z3	lever	1		
10-54	K6000000170	10 bush 1210	4		
	LM5 4GS-1239Z3	connecting piece	1		
10-56	K5000060003	6 washer	2		
10-57	K0302020160	2 stainless split pin 16	2		
10-58	LM5 4GS-1240Z3	pivot shaft	2	1	
. I	LM5 4GS-1241Z3	right-hand mount	1.1		
<u></u>	LM5 4GS-1242Z3	6L rod 115	1 1		
	K0401013001	stop ring S13	1 1		
	LM5 4GS-1246Z0	12SS41B collar 175.6	2	- 1	
	K4150000010 LM5 5TBS1201F3	brush shaft assembly	1 1	•	
. 1	K2570000013	vertical shaft thatching blade 63	1 1	•	
	LM5 5GBS1203B0	collar	77 77	00	
	LM5 5GBS1204Z0	collar	1	-	······
	K0183160002	16 left-hand-thread nut P1.5	. 1		
	K0160000302	17 special nut P1	2	o l	
I		ball bearing 6901RDC3	2	0	
		stop ring R24 oll seal MH16287	1	0	
		UII 3641 MHT1028/	1		

