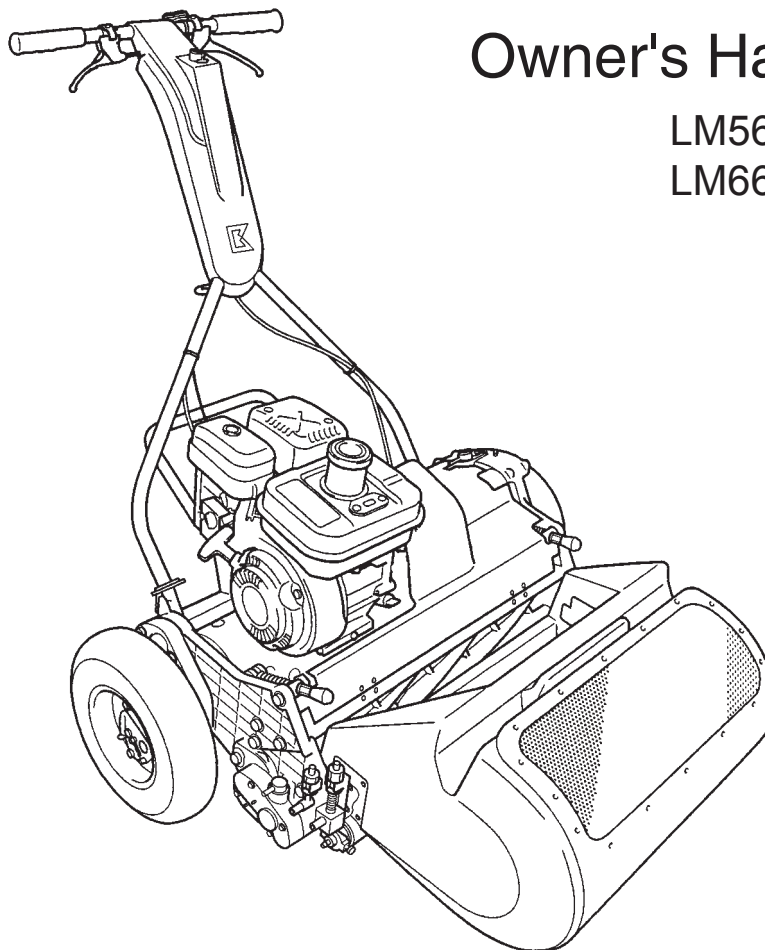


GREEN MOWER

LM56GA
LM66TA

BARONESS
LAWN MOWER



Owner's Handling Manual

LM56GA SN 14716 and onwards

LM66TA SN 10071 and onwards

Read this manual before using the machine.

BARONESS


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Warning for Safety

Warning marks indicate important items for safety.
Observe them strictly.

Warning Marks

 **DANGER** Negligence of the warning will cause death or serious injury.

 **WARNING** Negligence of the warning may cause death or serious injury.

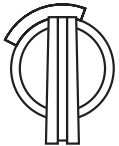
 **CAUTION** Negligence of the warning may cause injury or property damage.



See the Handling Manual



Danger mark
Hand cut



Engine switch lever



Danger mark
Foot cut



Fuel : Gasoline



Grease
Every 10hours



Hot surface
Burn on hand



CAUTION : Joint shaft

Greeting

Thank you very much for purchasing BARONESS GREEN MOWER.

This Owner's Handling Manual explains the method of correct handling, adjustment, and maintenance of the mower. Thoroughly read the manual before operation. Carefully read the engine operation manual before starting the engine. Mowers undergo thoroughgoing trial operation and inspection before shipment. However, whether or not the mower can exhibit the expected performance depends on the handling method, inspection/adjustment before and after operation, and the properness of lubrication. Handle the mower correctly for safe and excellent operation for an extended period of time.

Owner's Handling Manual

Precautions:

- The name of the model may be different when you make an inquiry about your machine. Advise us of the machine number as well.
- The contents of this manual are subject to change without notice.

 **CAUTION**

The warning marks attached to the machine indicate precautions for safety. Read them carefully. Understand well the operating procedures and safety precautions before using the machine. The marks and explanatory notes should be kept clean. If they are lost or damaged, attach new marks. Never remove the warning marks attached to the machine.

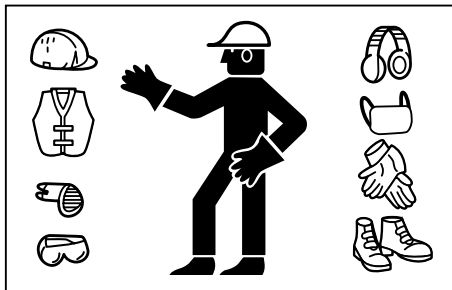
Safety precautions

The lawn mower has a rotating blade reel cylinder (sharp blade), and the safety of operation is subject to the place of use, obstacles, lawn conditions, and many other factors. As a maker, we specifically request the user to thoroughly inspect and maintain the machine, make efforts to become skilful in operating the machine, and correctly and safely use the machine in order to avoid injury on yourself and others.

1) Clothes for safety

⚠ CAUTION

- Wear clothes that will prevent you from being caught in the machine, and wear safety gear, goggles, shoes, helmet, and gloves. It is strongly advised that the operators of this machine wear both goggles and ear defenders for their protection.



2) Emergency relief measures

⚠ CAUTION

- Understand the method of stopping the engine in an emergency.

3) Do not operate the machine in such cases.

⚠ WARNING

- Do not operate the machine when you are tired. If you get tired during machine operation, stop the work and take a rest.
- Do not use the machine when you are sick, drunk, or under the influence of medicine. The visual sensation, nimbleness, or judgment will be adversely affected.
- If you are unaccustomed to the machine operation, thoroughly understand the handling method and safety precautions before use. Do not allow children to operate the machine.

4) When lending the machine to other people

⚠ CAUTION

If you lend the machine to a person who has no knowledge about the safety precautions or handling procedure described in the operation manual, an unexpected accident may result. Thoroughly explain the handling method and hand over the operation manual to the person who will use the machine, having him or her carefully read the operation manual before use.

5) Prohibition of operation or work at night

⚠ WARNING

Do not operate the machine at night or when the view is unclear because of bad weather.

6) Safety inspection before work

⚠ DANGER



- Check that all covers are in position and that no portion is broken.
- Check that bolts and nuts are not loose. If they are loose, tighten them.
- Check that the operation of the brake, levers, and tires is normal.

7) Precautions to take during operation

DANGER



- Check that there is no person or any object that may be broken around the machine during operation.
- Check that there is no player in the vicinity, otherwise a flying golf ball may hit against you.
- Exercise adequate care so that you will not get injured by flying objects or the blade.

CAUTION

- Exercise special care when working on a slope or undulating ground. The inclination of the machine should not exceed 25 degrees.
- Do not operate the machine in places where there is a risk of toppling or slipping.

DANGER



- Do not touch rotating parts during operation, otherwise you may have your fingers or hands injured.
- Operate the machine at a speed that will allow the machine to stop immediately in an emergency. Do not start the machine or operate the handle suddenly. Be sure to move the machine at a slow speed especially when descending a slope.
- Do not move the throttle lever abruptly to increase the speed, otherwise the front of the machine may jump up.
- When you notice abnormal vibration, unusual sound, or other abnormality in the machine, stop the engine immediately and investigate the cause. Completely repair the machine before reuse.

DANGER

- When leaving the machine, stop the machine on the level ground and then stop the engine.

8) Precautions as to inspection

CAUTION

- Place the machine on the level ground for inspection and repair. Check that all parts are at rest.

WARNING

- Clogging of the cooling air intake of the engine, air intake of the air cleaner, muffler, and exhaust pipe with mown grass or other foreign substances may cause fire due to engine malfunction or overheating. Stop the work immediately, and remove the clogging substance after the overheated section has cooled.
- Keep the warning marks and explanations clean at all times. Replace them with new ones immediately when they are lost or damaged.
- Do not remodel the machine.
- Use parts, oil, and grease specified by our company when changing them.
- Remodeling or operation of the machine with some parts that are not specified by our company may cause damage to the machine or injury.

9) Moving on a public road

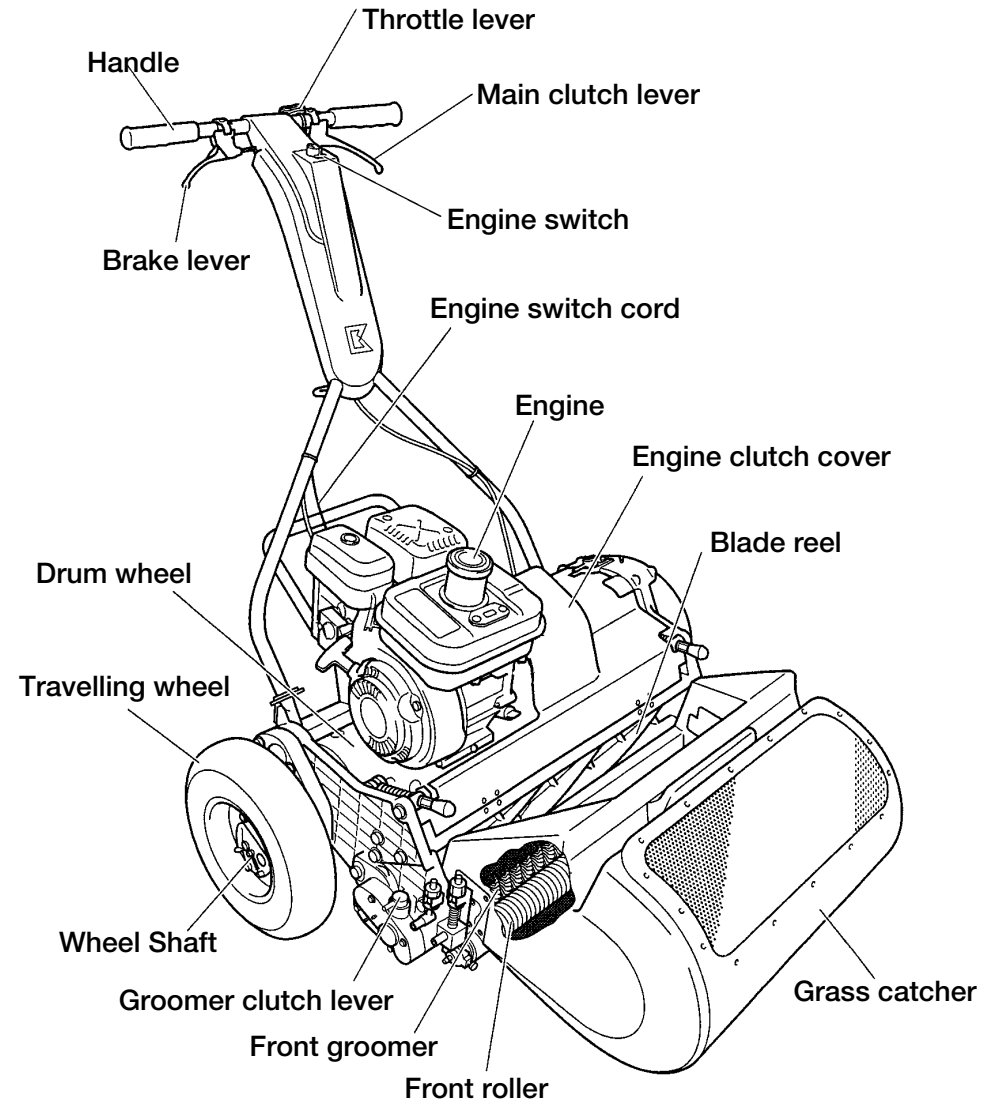
CAUTION

- Running the machine on a public road while you are riding on a sulky is prohibited by the law. Walk and move the machine on a public road.

10) Storage

- Wait until the engine cools when covering the machine with a sheet, etc.
- Remove gasoline when the machine will not be operated for more than six months.

Part names



Features of LM56GA · 66GA · 66TA

- The lightest green mower of all models of this class
- The weight balance and undulation following performance have been improved for better green mowing.
- The newly-designed handle improves the operability, lessening the operator's fatigue.
- The structure of the clutch has been changed for smooth starting.
- LM56GAF · 66GAF are equipped with Front Groomer.
- The front groomer is provided to permit normal and reverse rotation.
(Provided with a groomer.)

Specifications

Model	LM56GA(GAF)	LM66GA(GAF)	LM66TA	
Length (with grass catcher)	150cm			
Width (without travelling wheel)	94.2cm	103.2cm		
Height (handle)	103cm			
Weight	Main unit (without catcher and wheel)	81kg (85kg)	87kg (91kg)	86kg
	Grass catcher	3.3kg	3.6kg	
	Travelling wheels (2 pcs)	6.9kg		
	Mowing width	55.6cm	64.6cm	
Mowing section	Reel diameter	φ 12.8cm		
	Number of reel blades	9 or 11 blades		7 blades
	Mowing height	3.0~29mm (3.0~27mm)		7.0~29mm
Engine	Robin EX13D 3.2kw (4.3ps) /4000rpm			
Speed (Km/h)	4.8km/h (3000rpm)		4.4km/h (3000rpm)	

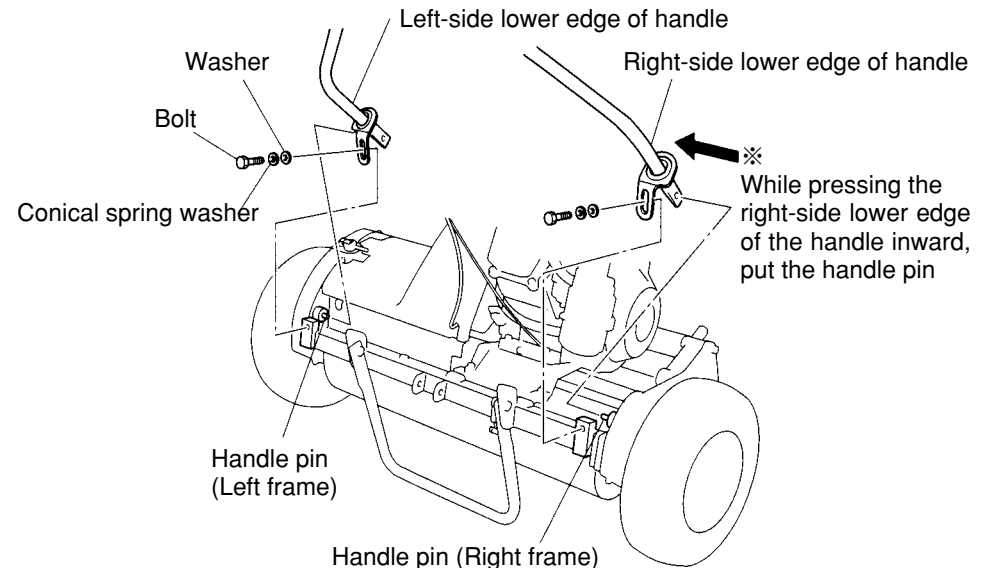
	Front groomer		Dethatching reel		Dethatching brush	
	Working width	Number of blades	Working width	Number of blades	Working width	Turning diameter
	(cm)		(cm)		(cm)	(cm)
LM56 Series	51	78	50	39	49	6
LM66 Series	60	92	60	46	57	6

Handling

1. Assembly and adjustment of main unit

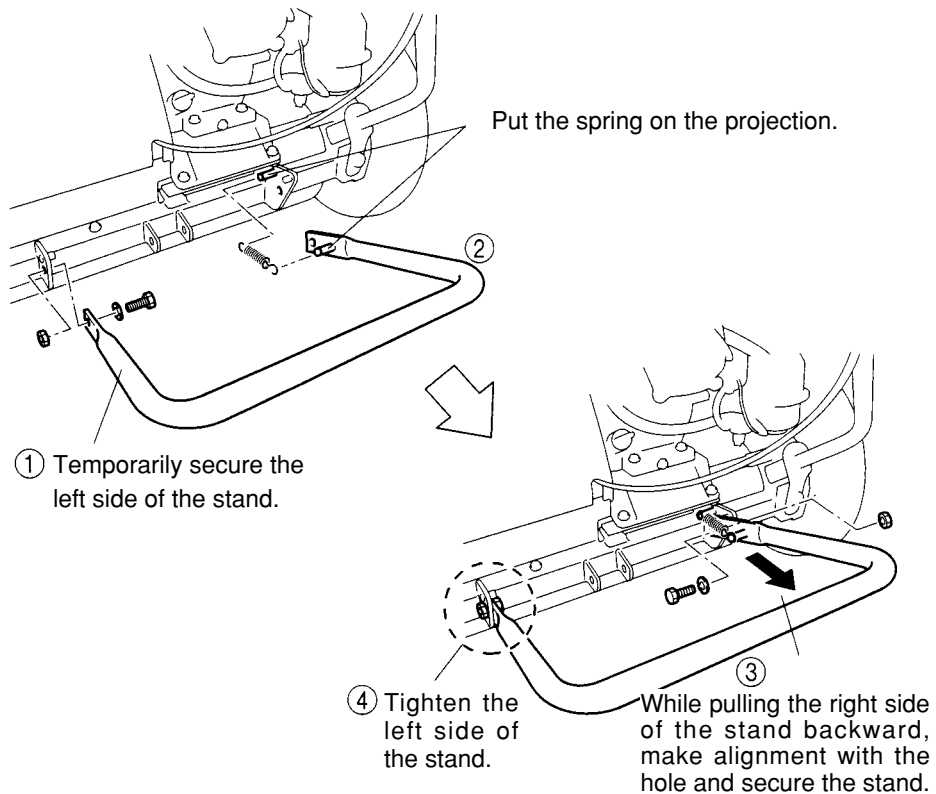
1-1 Installing the handle

- 1) Put the handle pin on the left frame into the hole at the left-side lower edge of the handle.
- 2) While pressing the right-side lower edge of the handle inward, put the handle pin of the right frame into the hole.
- 3) Secure the lower edge (slotted section) of the right and left handles to the frame from the back with the bolt, conical spring washer, and washer.



1-2 Installing the stand

- 1) Temporarily secure the left side of the stand to the frame with the bolt, washer (inside), and nut (outside).
- 2) Put the spring on the projection of the frame and the projection at the right edge of the stand.
- 3) While pulling the right side of the stand backward, make alignment with the hole in the frame, and secure the stand with the bolt, washer (inside), and nut (outside).
- 4) Tighten the bolt, washer, and nut at the left side of the stand that were temporarily secured.



1-3 Confirmation of the operation of clutch lever and brake lever

Check that the clutch and brake operate completely.

When adjustment is necessary, make adjustment according to "5-8. [Important] Adjustment of engine clutch section."

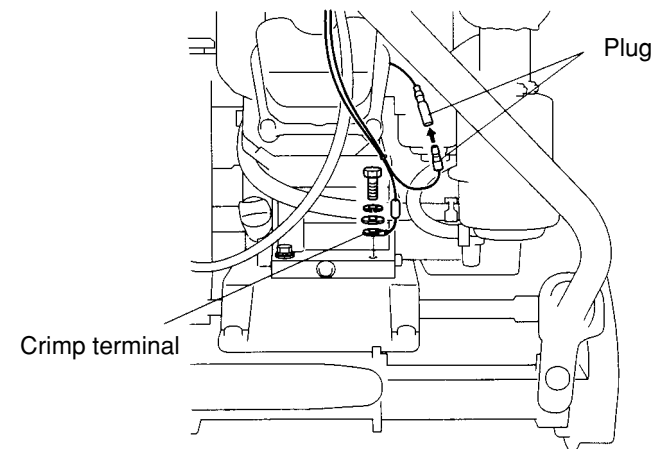
1-4 Connection of engine switch cord

When assembling the handle, check the connection of the engine switch cord. There are two connections - plug and crimp terminal.

- 1) The plug is connected to the plug that is connected to the engine.

⚠ WARNING

- 2) The crimp terminal is secured to the engine crankcase with a hexagon bolt. When the connection of the engine switch cord is incomplete, the engine will not stop even if the engine switch is operated. Check that the cord is correctly connected.



2. Inspection before use

2-1 Greasing



10h

The transmission and intermediate transmission gears are equipped with needle bearings. Grease them every 10 hours. Shortage of grease will cause damage to the needle bearings.

2-2 Inspection of engine oil

Replenish the engine with engine oil. (A correct level will be shown when the engine is placed horizontally.) Change engine oil 8 hours after the initial operation, and every 50 hours from the second time onward. Oil : SAE30.

2-3 Inspection of wire

Check that the clutch wire and brake wire are normal.

3. Fastening of each portion

Many parts are fastened by bolts. Bolts and nuts may be loosened some time after initial operation. Fasten them to the specified torque.

Appropriate fastening torque N.m (kgf-cm)

	Normal bolt	Heat treated bolt
M6	8 (80)	
M8	18 (180)	36 (360)
M10	36 (360)	72 (720)
M16	1.5-pitch left-hand thread: 36 (360)	

4. Engine starting sequence


4-1 WARNING Before starting engine

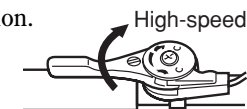
Carefully read the gasoline engine operation manual before starting the engine. The handle cover is equipped with an engine switch. Check the "ON/OFF" positions. Set the engine switch lever in the ON position, set all moving parts in the neutral position. Check for safety - covers are in position and not damaged and there is no person around the machine - before starting the engine. Do not start the engine indoors without an appropriate ventilator.

4-2 CAUTION Starting the engine

1) Do not grip the main clutch lever.



2) Set the throttle lever in the high-speed  position.



3) Set the engine switch in the ON position.



4) Set the strainer lever in the open position.



5) Pull the choke lever and pull the recoil starter, and the engine will start.

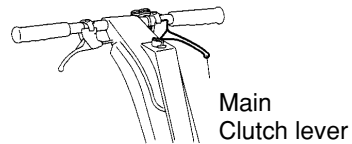
6) Return the choke lever.

4-3

**Stopping the engine**

※Remember the method for stopping the engine in an emergency.

- 1) Do not grip the main clutch lever.



- 2) Set the throttle lever in the low-speed position.



- 3) Set the strainer lever in the close position.



- 4) Set the engine switch in the OFF position.



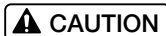
- 5) Set the engine lever in the OFF position immediately in an emergency.

4-4

**Fuel supply**

- Keep flame etc. away from the engine when supplying fuel. Stop the engine outdoors and allow it to cool before supplying fuel.
- Keep the machine clean at all times to prevent deposition of dust, grease, or oil.

4-5

**When leaving the machine**

- Park the machine on a flat place.
- Check that the engine has stopped and the engine switch lever is "OFF."
- Do not park the machine on a slope.

5. Machine operation

5-1

**Before operation**

- Check that each portion - especially the brake and clutch - operates satisfactorily before starting machine operation.
- Make sure that the machine can be stopped immediately at any time.
- Exercise care so that you and people around the machine will not be injured.

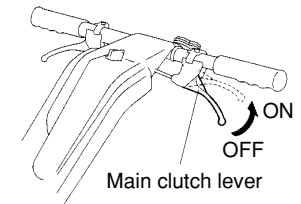
5-2

Main clutch lever

The clutch lever is on the left side of the handle.

Avoid quick operation. Carefully and slowly operate the machine.

※ Grip the lever, and the travelling drive is turned "ON" and the machine begins to move forward.



5-3

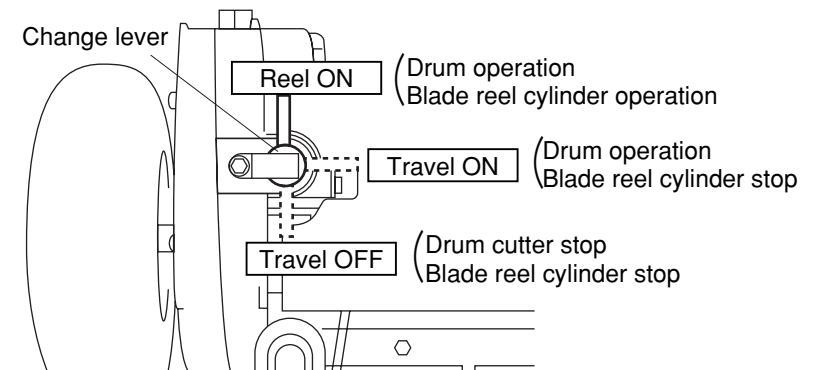
Change lever

The change lever is at the top of the left frame.

There are three changeover positions. When the lever is in the "Reel ON" position, the drum and cutter operate, entering the mowing mode.

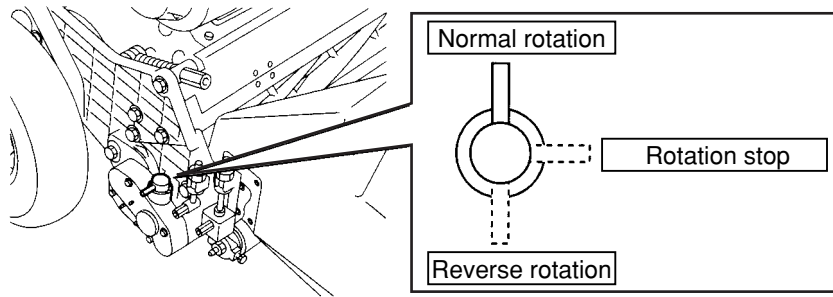
When the lever is in the "Travel ON" position, only the drum operates, entering the traveling mode.

When the lever is on the "Travel OFF" position, both drum and cutter stop, entering the traveling mode with the engine stopped.



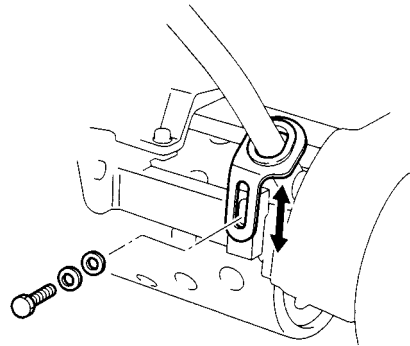
5-4 Groomer clutch lever

The lever is at the top of the groomer gear case on the outside of the right frame. There are three changeover positions - "Normal rotation" (in the same direction as the rotating direction of the blade reel cylinder), "Rotation stop," and "Reverse rotation" (in the direction opposite to the direction of rotation of the blade reel cylinder). Change the positions according to the type of work.



5-5 Adjustment of handle height

Move the securing bolt up and down in the slot of the handle guide, which is securing the handle to the frame, in order to adjust the height of the handle according to the operator's working position.



5-6 **⚠ WARNING** Brake lever

The lever is in the right-side grip section of the handle. Grip the lever, and the internal expanding brake set in the second shaft section will operate. The strength can be adjusted by the screw.

5-7 Throttle lever

The throttle lever is on the left side of the handle. The lever controls the engine speed. The speed of rotation is 1,400 - 3,400 rpm. Operate at about 3,000 rpm.

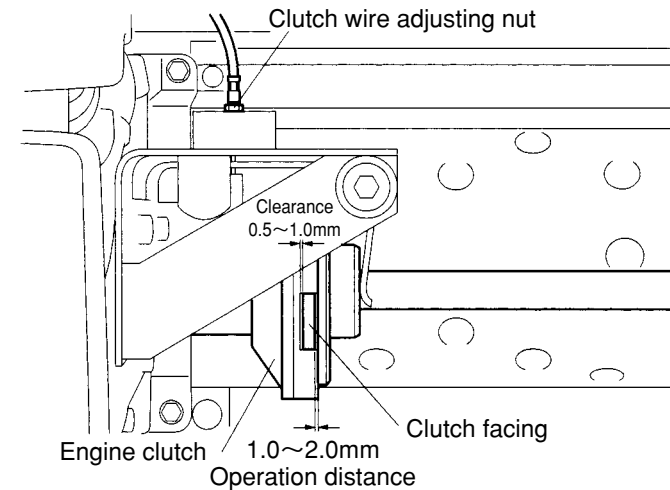
5-8 [IMPORTANT] Adjustment of engine clutch

《When reinstalling the engine》

Adjust the clearance between the engine clutch and clutch facing so that it will be approx. 0.5 to 1 mm when the travelling clutch is engaged. For adjustment, loosen the four bolts that are securing the engine, and insert a thickness gauge (attached) into the front and rear. Make adjustment so that the gap will be parallel, and then fasten the bolts.

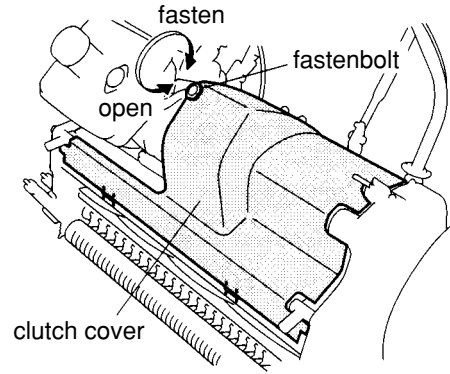
《When adjusting the clutch wire》

Make adjustment so that the operation distance of the clutch plate between the clutch engagement and disengagement will be 0.8-1 mm.



5-9 Clutch cover

The clutch cover is on the left side of the engine, covering the engine clutch. It is secured by turning the fastenbolt clockwise (by 4-5 turns).



5-12 [IMPORTANT] Greasing

Periodically fill up respective grease nipples. Exercise special care when greasing the sections where needle bearings are used. (Intermediate shaft of the right and left gears and the intermediate shaft of the groomer) Periodically fill up the grease nipples with approx. 1 g of grease (EXCELITE EP No.2) (one or two times with a compact manual grease pump).

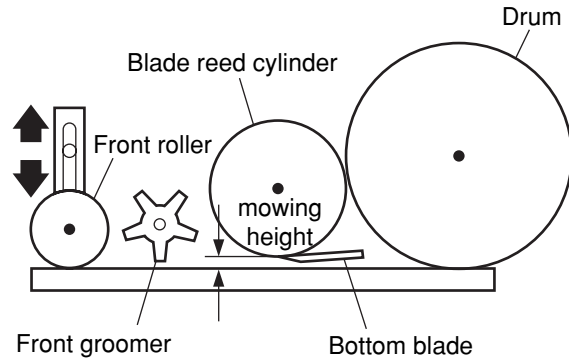
Every 10 hr →	Every 50 hr ⇨
Left frame intermediate shaft (for Reel)	Left gear cover
Right & left frame intermediate shaft (for Drum)	Reel bearing
Differential gear parts	Front roller
Vertical gear case intermediate shaft	Vertical gear case

5-10 Travelling wheel

The travelling wheel is used to move the machine from green to green. Set the stand up right, pull the tire holding the lever, and the wheel will come off.
 ※tire air pressure 120kPa (1.2kg/cm²)

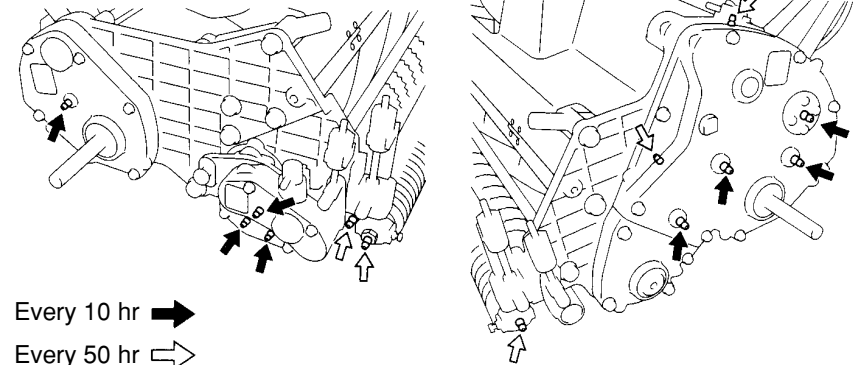
5-11 [IMPORTANT] Adjustment of mowing height

Move the front roller up or down, and the mowing height can be adjusted to a maximum of 27 mm. Use an optional bottom blade when 3 m/m mowingheight is desired.



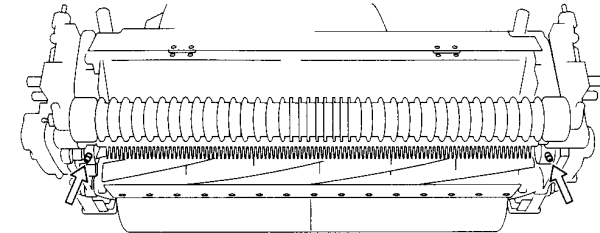
Right-side main unit

Left-side main unit



Every 10 hr →

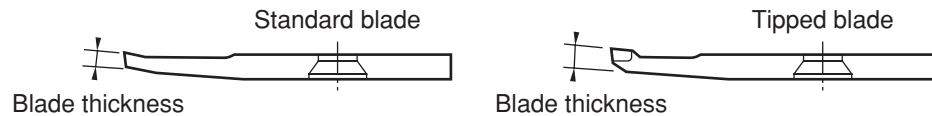
Every 50 hr ⇨



5-13 Setting the mowing height gauge and blade thickness

1) Set the mowing height gauge at the desired height. The minimum mowing height with respect to each bottom blade thickness is shown below.

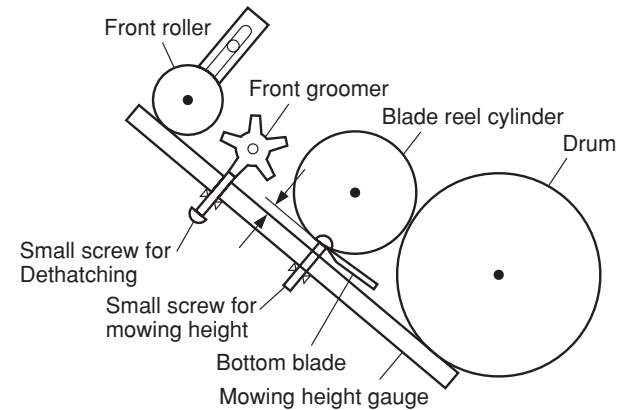
	Type of blade	Blade thickness (mm)	Min. mowing height (mm)	Code No.	Part Name	Note
LM56GA	Standard blade	1.5	3.0	K2511000270	1.5 bottom blade 55G	Option
		2	3.5	K2511000280	2 bottom blade 55G	
		2.5	4.0	K2511000050	2.5 bottom blade 55G	
LM56GA	Tipped blade	3	4.5	K2510000060	3 bottom blade 62.5-559	standard
		5	7.0	K2510000160	5 bottom blade 62.5-559	
LM66GA	Standard blade	1.5	3.0	K2511000310	1.5 bottom blade 65G	Option
		2	3.5	K2511000300	2 bottom blade 65G	standard
		2.5	4.0	K2511000200	2.5 bottom blade 65G	
LM66GA	Tipped blade	3	4.5	K2510000150	3 bottom blade 62.5-648.4	Option
		5	7.0	K2510000170	5 bottom blade 62.5-648.4	



※ The minimum mowing height is the height on the average condition green. Lawn may be shaved when the undulation of the green is substantial. Set the mowing height higher in that case.

- 2) Adjust the front groomer according to the condition of the green before use.
 - ※ If the groomer blades are set deeper than the ground surface, the shaft may bend.
 - ※ The front groomer, when it is put too low, will apply an excessive load to the engine and transmission section, causing malfunction or failure.
- 3) When using the grooming brush, adjust the height so that it will be equal to the mowing height.
 - ※ The brush will be worn easily when the height is too low.

- 4) **[IMPORTANT] Adjustment of front roller height**
 Bring the mowing height gauge into contact with the front roller and drum (as shown below), and adjust the height of the bottom blade.
 - a. Loosen the tall nut of the roller bracket, and move the front roller up or down with roller adjuster.
 - b. Position the front roller with the mowing height gauge.
 - c. Make adjustment at both edges.
 - d. Tighten the tall nut, and secure the roller bracket.



6. Blade engagement

Check that the engine is at rest before making adjustment.

Grind and adjust the blade reel cylinder and bottom blade entirely so that a newspaper will be cut sharply.

6-1 [IMPORTANT] Lapping

Conduct lapping after mowing operation (before adjusting the engagement).

- 1) Check the entire portion of the blade reel cylinder to check which portion is dull. (If a newspaper cannot be cut in any portion, put in two sheets of paper to carefully check which portion is dull.)
- 2) Connect the lapping machine (RM20B) or lapping bolt (option) to the lapping shaft of the mower.
- 3) Rotate the blade reel cylinder in the direction opposite to the mowing direction, and apply abrasive with a brush only to the portion where a newspaper was sharply cut. The portion where a newspaper was not cut is worn away. Do not apply abrasive to such portions.
 - ※The right side (when viewed from the front of the blade reel cylinder) of the blade reel cylinder will be worn away 3-4 times earlier than the left side. When applying abrasive to the blade reel cylinder, be sure to move the brush from left to right. (See right sketch) When the abrasive is a mixture of powder (#200~#400) and oil, mix them at the rate of 1:3 to 4. The gel compound (option) can be used as it is.
- 4) Keep rotating the blade reel cylinder, and stop rotation when the contact sound disappears. Put in a newspaper again to check the blade reel cylinder entirely for the sharpness of each portion.
- 5) Repeat operations (3) and (4). When the blade reel cylinder and bottom blade are in contact with each other uniformly, apply abrasive to the blade reel cylinder entirely for final lapping.
- 6) After lapping, remove the abrasive with steam, etc.

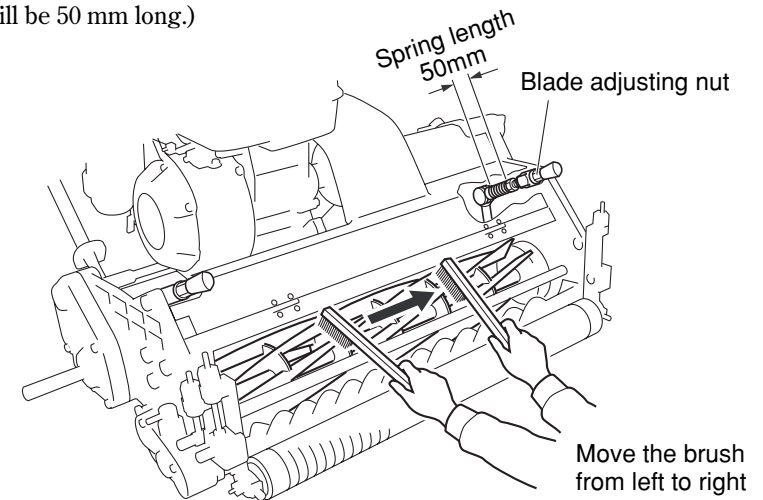
CAUTION

Both blade reel cylinder and bottom blade are edged. Handle them carefully.

Be careful of the fingers, which turn the blade reel cylinder, when cutting a newspaper to check sharpness. Uniformly lap the right and left sides of the bottom blade in contact with the blade reel cylinder, and the life of the blade will be maximized.

6-2 [IMPORTANT] Engagement

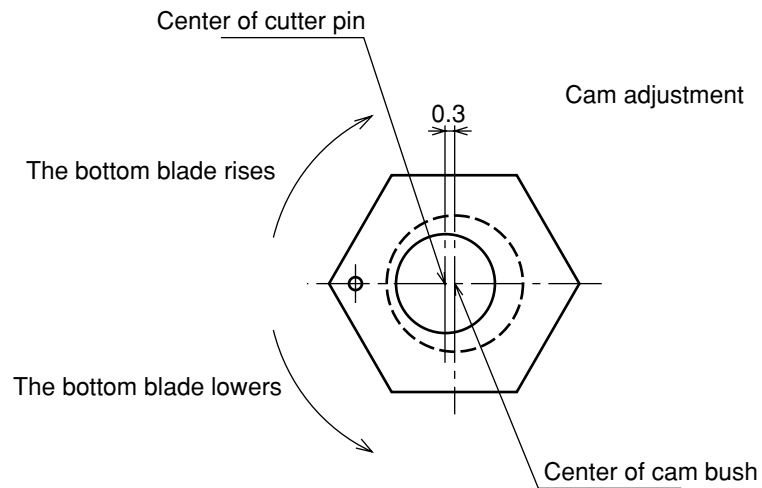
- 1) Lightly engage the blade reel cylinder and bottom blade uniformly on both sides.
- 2) Uniformly adjust the bottom blade on the right and left sides.
 - Turn the blade adjusting nut clockwise for slight engagement, and turn it counterclockwise for firm engagement.
- 3) Lightly engage both sides to the extent that a newspaper will be cut sharply.
 - When the blade reel cylinder is worn and the spring pressure decreases, adjust the spring pressure by the spring adjusting screw and 14 nut. (Make adjustment so that the spring will be 50 mm long.)



6-3 [IMPORTANT] Cam adjustment

Turn the cam bush on both sides of the bottom blade, and the blade will be raised and lowered within a maximum range of 0.3 mm. The above method is used when the edges of the blade reel cylinder and bottom blade are not in parallel.

- 1) When there is a gap between the blade reel cylinder and the left frame side of the bottom blade loosen the lock nut, and turn the left cam bush clockwise as much as the gap. Turn it clockwise by 30° to raise the bottom blade by 0.1 mm. After adjustment, firmly fasten the lock nut.
- 2) When there is a gap on the right frame side, loosen the lock nut, and turn the right cam bush counterclockwise as much as the gap.



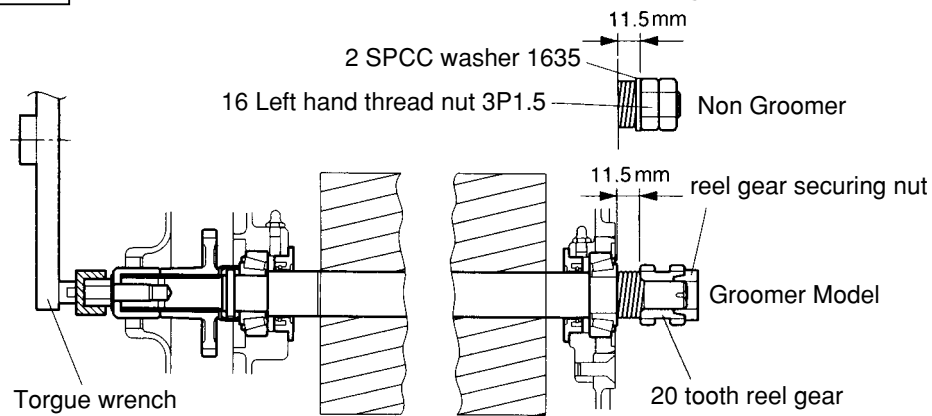
- 1) Replace the bearings and reel shaft seals on both sides of the blade reel cylinder. Use the bearing 30204JRP6 that has the smallest error.
- 2) Sufficiently apply grease (EXCELITE EPNO2) to the bearing and seal. (Apply grease to the bearing while turning the roller.)
- 3) Method to fasten nut after installing the blade reel cylinder

[IMPORTANT] Tighten the nut until the length of the spring reaches 11.5 mm, and lock the nut. A certain preload will be applied by the spring pressure. The rotational torque of the blade reel cylinder should be $0.8 \sim 1.0 \text{ N} \cdot \text{m}$ ($8 \sim 10 \text{ kgf} \cdot \text{cm}$). If it is not, check the bearing and seal.

6-4 Cylindrical grinding and installation of blade reel cylinder

Cylindrically grind the blade reel cylinder when it is worn away and has become conical. (Ask the dealer you purchased the machine from for cylindrical grinding.)

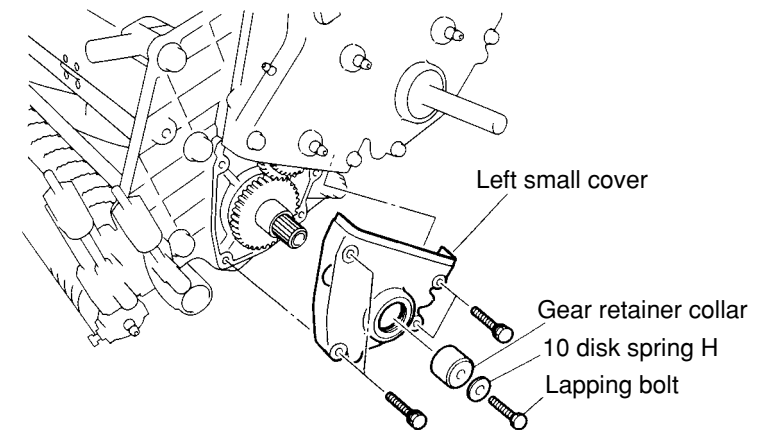
6-5 [IMPORTANT] Installation of blade reel cylinder



6-6 Attaching/detaching the small cover

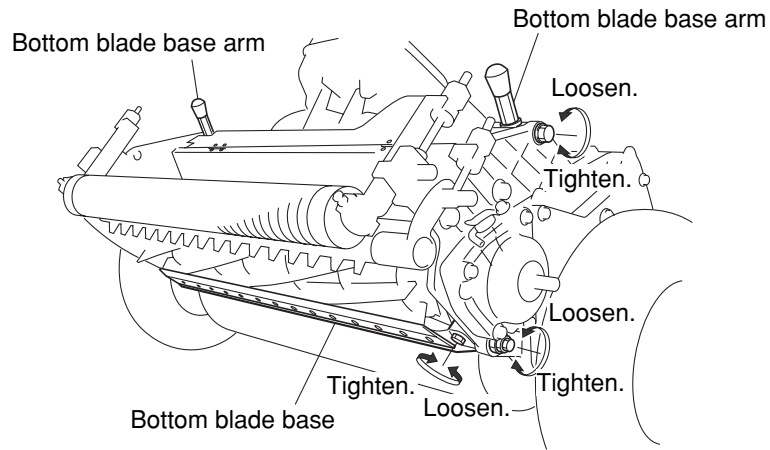
Remove the lapping bolt and the gear retainer collar in this order, and then remove the left small cover.

Attach the left small cover, and then attach the gear retainer collar and lapping bolt in this order. (Attach the left small cover so that the reel cutter shaft will be at the center of the oil seal of the left small cover.)

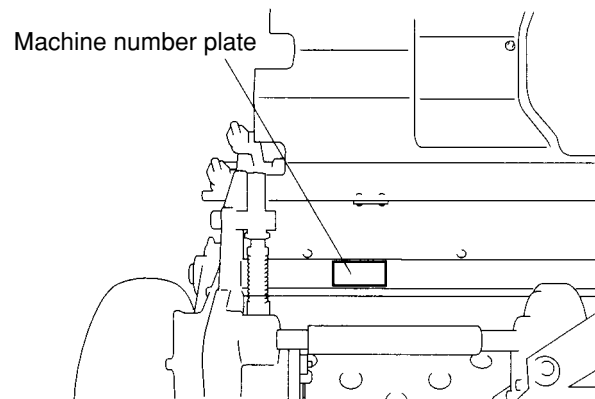


6-7 Attaching/detaching the bottom blade base

Remove the bottom blade base arm, and then remove the bottom blade base.
Attach the bottom blade base, and then attach the bottom blade base arm.

**6-8 Machine number plate attaching position**

The type and serial number are marked on the machine number plate.
It is attached to the upper portion on the left side of the front frame stay.

**6-9 Specification for maintenance**

Qty of engine oil	0.6dm ³ (0.6L)
Plug	NGK BR4HS
Capacity of gasoline tank	2.5dm ³ (2.5L)
Tire air pressure	120kpa (1.2kg/cm ²)
Engine speed	1400~3400rpm

6-10 Position of mower during maintenance

If the mower handle is left leaned on the ground for a long time during maintenance, engine oil may enter the engine combustion chamber and cause the engine to run improperly.

Be careful not to keep this position long.

7.Long-term storage

- 1) For the engine, refer to the engine operation manual.
- 2) Cylindrically grind the blade reel cylinder every six months.
- 3) Replace the bearing (30204JRP6) and seal on both sides of the blade reel cylinder every season. (Replace them even if they have not been used for many hours.)
- 4) Clean the machine, and apply grease or oil to respective sliding sections.

8. Precautions for engine operation

For the engine, refer to the engine operation manual.



- 1) Use gasoline for automobiles as the fuel of the engine.
- 2) Completely change engine oil when the machine has been used for eight hours after the initial operation, because the machine is used under tough conditions with vibration and dust, and change oil every 50 hours after that. The quantity of engine oil is 0.6 dm³ (0.6L). Use SAE30.
- 3) Always cover the suction port of the air cleaner with a cleaner cover bag during operation. Be sure to clean the air cleaner element before using the machine.

 DANGER




- 4) Fire is strictly prohibited during fuel supply. Be careful of a lit cigarette. Replenish the fuel tank outdoors after the stopped engine has been cooled. Wipe off the spilt fuel completely.
- 5) Do not start the engine in a building without a proper ventilator.

 CAUTION



- 6) The muffler and the area around the exhaust port of the muffler will become hot. Do not bring gasoline, matches, dry grass, or other inflammables near hot portions.

 CAUTION

- 7) Inspection before operation
Check the joint of fuel pipe, etc. for looseness or damage. Check bolts and nuts in respective sections for looseness.

 CAUTION

- 8) Wear appropriate clothes. An apron, towel on the belt, long string, etc. will cause you to be caught in rotating parts.

- 9) When the machine is to be stored for a long time exceeding 5 months, remove gasoline from the engine.

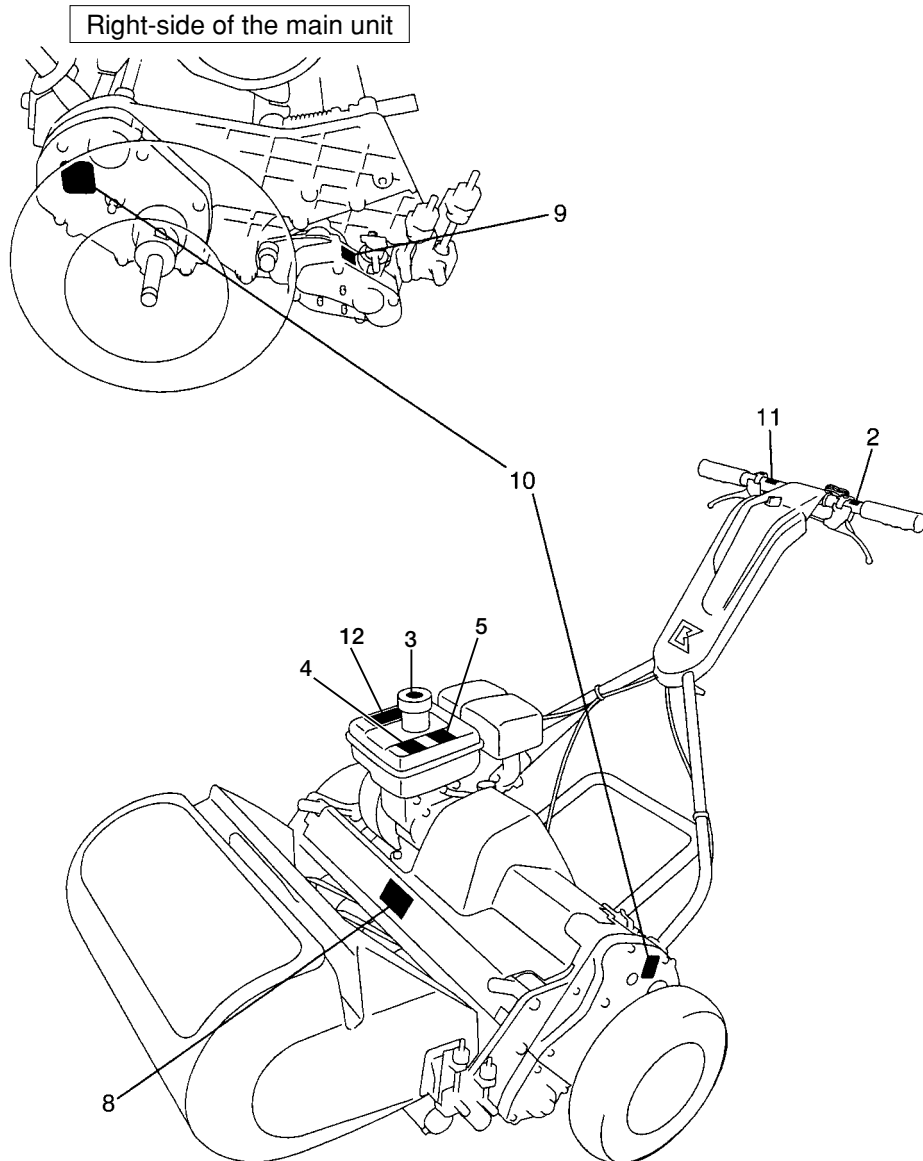
10) Engine maintenance schedule

To keep the engine in satisfactory status at all times, be sure to conduct maintenance and inspection according to the following table:

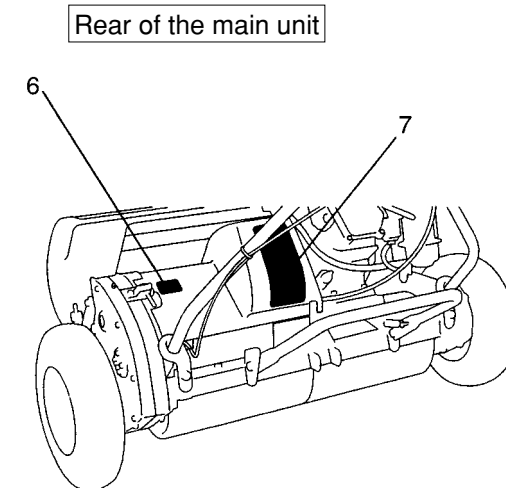
9. Maintenance Schedule

Engine				
Maintenance	Before use	Every 8hr	Every 10hr	Every 50hr
Cleaning of each part/inspection of tightening	○			
Inspection and addition of fuel	○			
Inspection and cleaning of air cleaner	○			
Inspection and addition of engine oil	○			
Engine oil change		only after the initial operation		○
Main unit				
Maintenance		Every 8hr	Every 10hr	Every 50hr
Inspection and cleaning of recoil starter dust proofing net	○			
Cleaning of each part/inspection of tightening	○			
Inspection and adjustment of blade engagement	○			
Inspection and adjustment of mowing height	○			
Greasing and oiling			○	○
Removal of mown grass and dust	○			

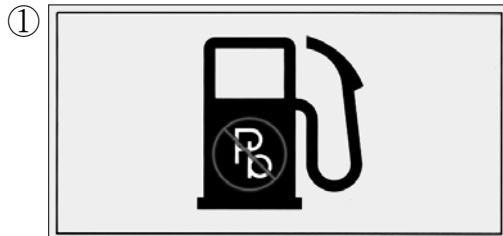
Location of Labels for LM56GA and LM66TA



	Code No.	Part Name	Qty /Unit
1			
2	K 4 2 0 3 0 0 1 0 4 0	Clutch Mark	1
3	K 4 2 0 5 0 0 1 3 0 0	Engine oil Warning Mark	1
4	K 4 2 0 5 0 0 1 3 3 0	Noise Warning Mark	1
5	K 4 2 0 9 0 0 0 8 8 0	LWA 98 Mark	1
6	K 4 2 0 3 0 0 1 1 1 0	Clutch Mark (Large)	1
7	K 4 2 0 5 0 0 1 5 9 0	"Handle with care" label	1
8	K 4 2 0 5 0 0 1 6 0 0	"Cutting Warning" label	1
9	K 4 2 0 3 0 0 1 1 2 0	Groomer Mode Selector	1
10	K 4 2 0 9 0 0 0 3 7 0	Grease Up 10h Mark	2
11	K 4 2 0 3 0 0 0 9 7 0	BRAKE Mark	1
12	R 0 7 3 - 2 0 0 5 1 - 8 1	Warning Mark	1



Understanding the machine safety labels



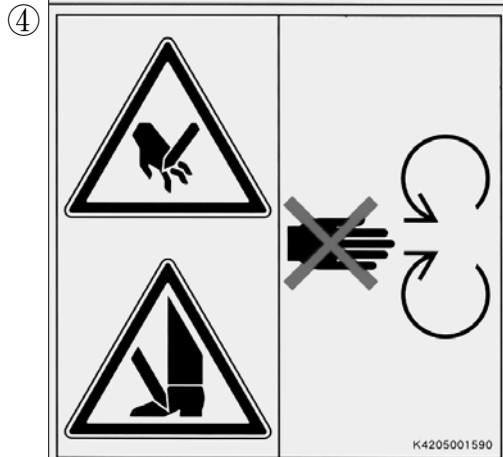
① Use only unleaded gasoline.



② Read the owner's manual.

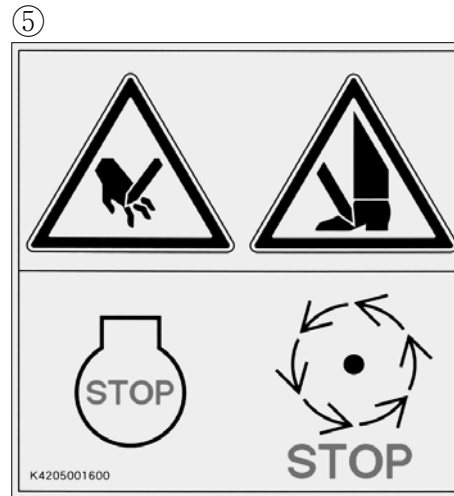


③ keep a safe distance from the machine.



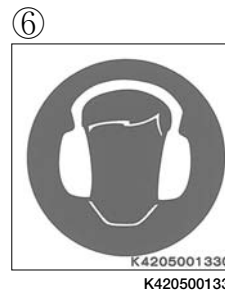
④ Do not open or remove safety shields while engine is running.

K4205001590



⑤ Stop the engine and wait for moving parts to stop.

K4205001600



⑥ It is strongly advised that the operators of this machine wear ear defenders for their protection.



⑦ Stay clear of the hot surface.

⑧ Exhaust gas is poisonous.
Do not operate in an unventilated area.

⑨ Stop the engine before refueling.

⑩ Fire, open flame and smoking prohibited.

R073-20051-81

EC Declaration of Conformity

We

Manufacturer's Name: Kyoeisha Co., Ltd.

Manufacturer's Address: 1-26 Miyuki-cho, Toyokawa, Aichi-pref. 442-8530 Japan

declare that

Product: Walk-behind lawnmower

Make: BARONESS

Type: LM56

Starting Serial No.: 14409

compiler of the technical file

Name: Kyoeisha U.K.Ltd.

Address: Unit 5 Hatch Industrial Park Grewell Road, Basingstoke
Hampshire RG24 7NG, the United Kingdom

in accordance with the following Directives :

2006/42/EC The Machinery Directive and its amending directives

has been designed and manufactured using the following specifications :

ISO12100-1 : 2003

ISO12100-2 : 2003

EN836 : 1997

ISO5395 : 1990

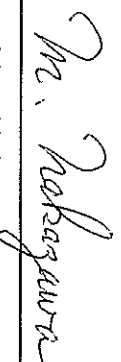
References of other Community Directives applied

2000/14/EC 、 2004/108/EC

Place: Japan

Date : March 15 2010

Signature :



Name : Masahisa Nakazawa

Position : Quality Dept. Manager

EC Declaration of Conformity

We

Manufacturer's Name: Kyoisha Co., Ltd.
Manufacturer's Address: 1-26 Miyuki-cho, Toyokawa, Aichi-pref. 442-8530 Japan

declare that

Product: Walk-behind lawnmower
Make: BARONESS
Type: LM66
Starting Serial No.: 10071

compiler of the technical file

Name: Kyoisha U.K.Ltd.
Address: Unit 5 Hatch Industrial Park Grewell Road,Basingstke
Hampshire RG24 7NG, the United Kingdom


in accordance with the following Directives :

2006/42/EC The Machinery Directive and its amending directives

has been designed and manufactured using the following specifications :

ISO12100 : 2010
EN836 : 1997
ISO5395 : 1990

References of other Community Directives applied
2000/14/EC 、 2004/108/EC

Place: Japan
Date : January 27 2012
Signature : 
Name : Kimiya Kaneko
Position : Quality Dept. Manager

Manufacturer's Declaration of Conformity for

Product Identification

Product : Walk-behind lawnmower
Make : BARONESS
Type : LM56
Version(s) : GA
Starting Serial No. : 14409
Measured Sound Power Level : LWA 96.05 dB
Guaranteed Sound Power Level : LWA 98 dB
Manufacturer :
Name : Kyoisha Co., Ltd.
Address : 1-26 Miyuki-cho, Toyokawa, Aichi-pref.,
Japan
Technical Documentation
Keeper's Name : Kyoisha Co., Ltd.
Keeper's Address : 1-26 Miyuki-cho, Toyokawa, Aichi-pref.,
Japan

Conformity Assessment Procedure :

Internal Control of Production with Assessment of
Technical Documentation and Periodical Checking
(Annex VI) of 2000/14/EC-2005/88/EC

Involved Notified Body

Name : SNCH
Address : 11, Route de Sandweiler
5230 Sandweiler
Luxembourg
February 2, 2010
TC056-04
TUV Rheinland Luxembourg GmbH
2a, Kalchesbruck
L-1852 Luxembourg

Technical Construction File

Date :
Technical Construction File No. :
Test Laboratory

Certificate / Report No. : SNCH*2000/14*2005/88*0302*03/TC056-04

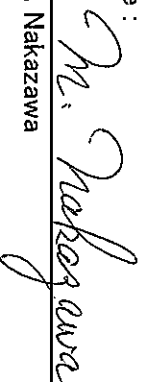
Means of conformity

The product is in conformity with the Directive relating to the noise emission in the environment by
equipment for use outdoors 2000/14/EC-2005/88/EC, in accordance with Article 12 of the Directive.

References of other Community Directives applied

2006/42/EC , 2004/108/EC

Signature :


Masahisa Nakazawa

Manager
Quality Dept.
Kyoisha Co., Ltd.

Date : March 15, 2010

Manufacturer's Declaration of Conformity for

Product Identification

Product :
Make :
Type :
Version(s) :
Starting Serial No. :
Measured Sound Power Level :
Guaranteed Sound Power Level :
Manufacturer
Name :
Address :

Walk-behind lawnmower

BARONESS

LM66

TA

10071

LWA 97.08 dB

LWA 98 dB

Kyoeisha Co., Ltd.

1-26 Miyuki-cho, Toyokawa, Aichi-pref.,
Japan

Technical Documentation

Keeper's Name :
Keeper's Address :

Kyoeisha Co., Ltd.

1-26 Miyuki-cho, Toyokawa, Aichi-pref.,
Japan

Conformity Assessment Procedure :

Internal Control of Production with Assessment of
Technical Documentation and Periodical Checking
(Annex VI) of 2000/14/EC-2005/88/EC

Involved Notified Body

Name :
Address :

SNCH

11, Route de Sandweiler

5230 Sandweiler

Luxembourg

Technical Construction File

Date :
Technical Construction File No. :
Test Laboratory

December 22, 2011

TCLM66-02

TUV Rheinland Luxemburg GmbH

2a, Kalchesbruck

L-1852 Luxembourg

Certificate / Report No. :

SNCH*2000/14*2005/88*1258*02/TCLM66-02

Means of conformity

The product is in conformity with the Directive relating to the noise emission in the environment by equipment for use outdoors 2000/14/EC-2005/88/EC, in accordance with Article 12 of the Directive.

References of other Community Directives applied

2006/42/EC, 2004/108/EC

Signature :



Kimiya Kaneko
Manager
Quality Dept.
Kyoeisha Co., Ltd.

Date :

January 27, 2012



KYOEISHA CO., LTD.

Head Office 1-26, Miyuki-cho, Toyokawa,
Aichi-Pref. 442-8530 Japan.

BARONESS

Turf Care Machinery
Tel: (0533) 84-1390
Fax: (0533) 89-3623