

# INSTRUCTION MANUAL



## **Lawn Mower, GR538, GR537, GR537PRO, Hydro Lawnmower GRH537PRO**



Read this instruction manual carefully before any use of the machine, keep it as a reference. For any question about this manual, please report to your OREC dealer or to the distributor of your country or to :  
<http://www.orec-jp.com>.

**Update: August 2018**

"Only the English version of this manual can be used as a reference."

## **INTRODUCTION**

### Forward to the user

Read this manual before any use of your mower, only the herein instructions shall help you to achieve an efficient and safe work.

A safe use will only result from the manner you will use the machine in accordance with the restrictions described in this manual. Thus, you must know and follow **all** the safety measures in this manual and those relating to the use of your mower. The MOWER that you have just bought has been designed and manufactured for your entire satisfaction. As any other mechanical machine, it requires a proper maintenance and must be kept clean. Grease the machine like indicated. Follow the rules and safety indications as described in this manual and as showed on the preventive instruction stickers.

About maintenance, always mind that your OREC dealer has the skills, the genuine parts and the necessary tools to solve the possible problems.

Use only the OREC original parts : " non genuine " parts will not assure you of a correct and safe working and are likely to make the guarantee null and void. Write the name and the serial number of your machine hereunder :

MODEL : .....

SERIAL NUMBER (refer to the pictures herein) : .....

Always mention these informations to your dealer in order to obtain the right parts.

Concerned about constant progress, OREC keeps the right to modify the machines without being compelled to modify those already sold.

The illustrations and characteristics in this manual might lightly differ from your machine because of the constant improvements made by our production department.

In this manual, the left and the right hand or the rear and the front position are determined according to the mower handlebar.

All along this manual the word **IMPORTANT** is used to indicate that a fault might cause damage to the machine. The words **WARNING**, **CAUTION** and **DANGER** are used with the " safety/warning " pictogram (triangle with an exclamation mark) in order to indicate a hazard for your safety.



This symbol indicates that you must be very attentive because your safety is at stake. It reminds that you must follow the safety instructions and pay attention to hazardous operations that might cause injuries.



### **WARNING**

Reminds the safety rules that might cause injury if they are not respected



### **CAUTION**

Remembers to pay attention to a real danger that is likely to cause injury or even death if no proper precaution is taken.



### **DANGER**

Indicates a major hazard that is most likely to cause irremediable injury or death if the right precautions are not taken.

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## **SPECIFICATIONS**

Model	GR537 PRO	GR538/GR537	GRH537PRO
Engine	HONDA	HONDA	HONDA
Engine power (kW)	4,0	4,0	4,0
Transmission	Mechanic	Mechanic	hydrostatique
Forward speed (km/h)	(1) 2,7 (2),3,3 (3) 4,0	(1) 2,5 (2),3,0 (3) 3,6	<b>0 to 5</b>
Cutting width	530	530	530
Height of cut	15 to 72	19 to 78 / 15 to 75	24 to 81
Weight	58	50	60
Grass bag capacity	80	80	80
Engine and blade speed (rpm)	2450	2450	2450
Fuel Quantity	1,40	1,40	1,40

## **CHECK LIST**

### INSTRUCTIONS TO THE DEALER

The assembling, the installation and the first application of the machine is under the OREC dealer's responsibility. Read the instruction manual as well as the safety measures. Check that all the before delivery and at delivery check points specified in the following lists have been verified and possibly modified before delivering the machine to its owner. Check that the side guards are located and secured correctly as explained in the maintenance chapter

### CHECKS BEFORE DELIVERY

- Check that all the shields, grids and safety guards are in place and in a good state.
- Check that the hydraulic hoses are in place and in a good state. Replace them if necessary.
- Check that there is no oil leak, repair if necessary.
- Check that the safety instruction stickers are in place and in a good state. Replace them if

necessary.

- Check that all the bolts and screws are properly tightened with the right torque (refer to page 16).
- Protect the grease nipples by coating them with grease and lubricate the machine.
- Check that the machine can work properly.

#### CHECKS ON DELIVERY

- Show the user how to perform the adjustments.
- Explain to the user the importance of the lubrication and show him the different greasing points on the machine.
- Show him the safety devices, grids, guards and the optional equipments.
- Give the instruction manual to the customer, ask him to read it carefully.

## **SAFETY RULES**

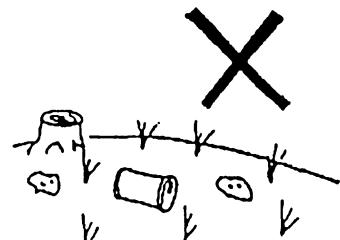
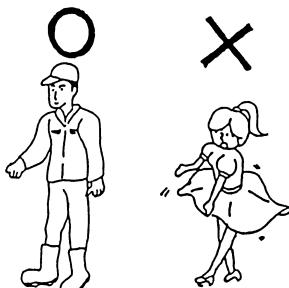
### **CAUTION**

**Some of the illustrations show the machine with no guard, no shield. Never use the machine without these devices.**

- Learn to stop the machine in case emergency.
- Read this manual.
- Do not let anybody use the machine before having read and understood this manual.
- Do not let children use the machine.
- Do not wear loose clothes. They might be grasped by moving parts.
- Always wear protection equipments for when using the machine.
- Only work during daylight or with a good artificial light.
- Check that the safety instruction stickers are in place and in a good condition.
- Keep the machine free from debris or mud.
- Check that the machine can work properly before any use.
- Check that all the shields, grids and safety guards are in place and in a good state.
- It is strictly forbidden to carry persons or animals onto the machine during the work or during the transportation.
- Never stop or start roughly when working on a slope. Never use the machine to work on a stepping terrain.
  - Reduce the ground speed when running on a slope and when turning straight in order to prevent from any risk of losing control.
  - Be very careful when bordering ditches.
  - Stop the engine, and remove the sparking plug ignition cover before any intervention on the machine.
  - Never work under the machine or its parts when lifted, unless they are blocked and maintained into position with sufficient security.
  - When running on a slope, always work going up or down but never across the slope.
  - Steer clear of unsteady embankments, holes or rocks. They might be dangerous during maneuvers or transport.
  - Keep away from electric wires and obstacles. A contact with electric wires cause electrocution and death.
  - Stop the machine progressively when lifting or lowering the machine.
  - When stopping the work, stop the engine and remove the sparking plug ignition cover

before leaving the mower.

- Engage all the safety equipments.
- Move the controls only when correctly sat down in the mower
- Visually check hydraulic leaks and if some parts are faulty or missing. Repair before use.
- Never change the adjustment of the regulator, it is set in the factory. Unsetting this valve would cause failures.
- Ensure that the user of the machine has already read and understood this manual and that he is aware of all the safety instructions before any use.
- Always use a chuck and bronze hammer when replacing or intervening on the pins and bolts at the end of rams, rod ... etc in order to avoid the projection of metal fragments.



## **DIFFERENT PARTS OF THE MOWER**

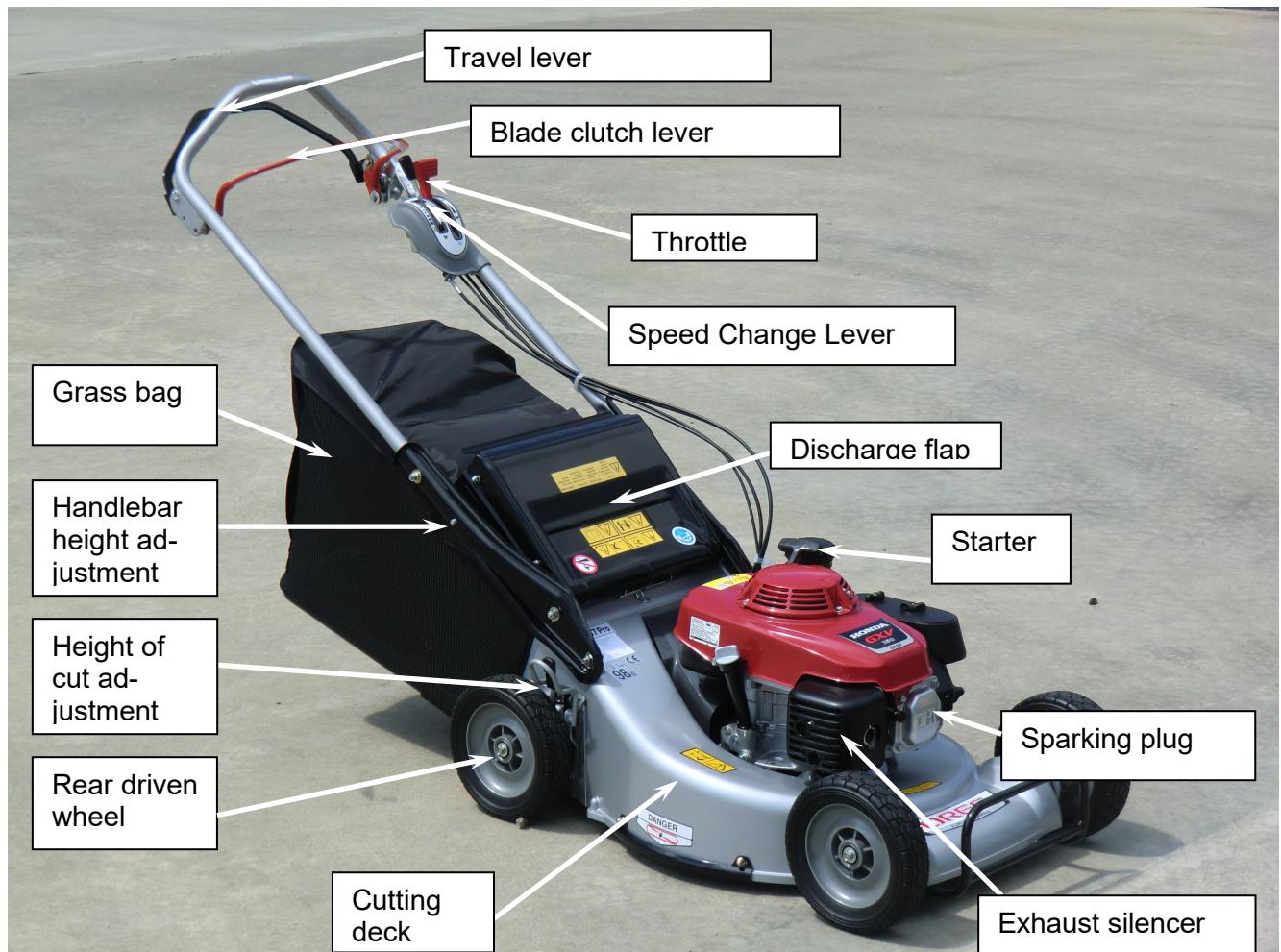


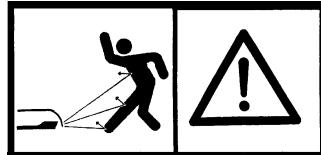
Figure 1

## SAFETY INSTRUCTION STICKERS

Note their place and replace them immediately in case of damage or when missing



Always wear protection equipments  
(0215-83200)



Beware of thrown objects



Unplug sparking wire before maintaining the machine



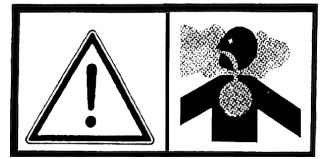
This machine comply with EC regulation



Do not exceed 15° slope  
(0223-72900)



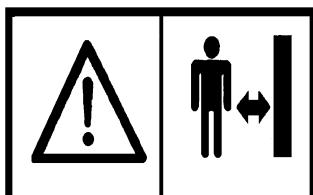
Beware of hot surfaces near engine



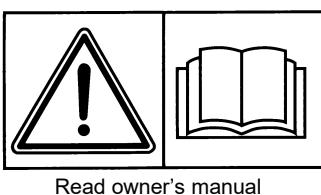
Beware of toxics exhaust gases



Beware of flammable fuel



Keep away from the machine



Read owner's manual



Keep away hands and feet from rotating blades  
(80-1488-926-10)

# CONTROLS

## THROTTLE LEVER AND CHOKE LEVER (A, FIGURE 2)

Push the lever completely forward to operate the choke to start cold engine, when engine has start release it. Push the throttle lever forward to « HI » to increase engine speed, pull the throttle lever rearward to « LO » to decrease engine speed to idle rpm. Always operate mower at full engine speed.

### IMPORTANT

**Do not use the choke when the engine is hot, it did not start**



Figure 2-1

## SPEED CONTROL LEVER (B, FIGURE 2-1, 2-2)

This lever is used to select the speed of the machine.

<GR537/538/537PRO>

Select the first speed 1 to mow slowly, Select the second speed 2 to mow quickly, Select speed 3 for traveling. Always change speed when machine is stopped.

### IMPORTANT

**When changing the speed from 1 to 3, do not skip speed 2 to protect the transmission.**

**In order to change speed correctly, shift from speed 1 to 2, drive the machine, then shift from speed 2 to 3.**

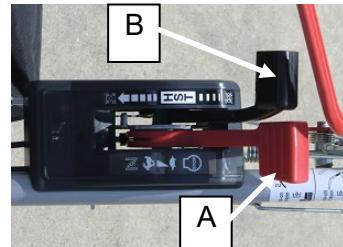


Figure 2-2

<GRH537RR0>

Grip the Travel Lever, then shift the lever B(Fig. 2-2) slowly to choose the speed. When restarting the driving, grip the Travel Lever and machine will start again at the speed of previous operation.

When storing the machine, shift back the speed lever to N position.

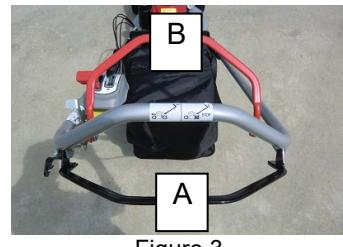


Figure 3

## TRAVEL LEVER

Push the lever forward to the handlebar, to make the machine moving. Release the lever, then the machine stops. (A, figure 3).



Figure 4

## HANDLEBAR ADJUSTMENT

To adjust handlebar unscrew the two bolts (A, figure 4). Screw again the two bolts when adjustment is performed.



### WARNING

**Never try to start or stop the engine with blade engaged.**

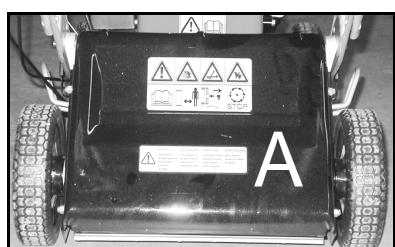


Figure 5

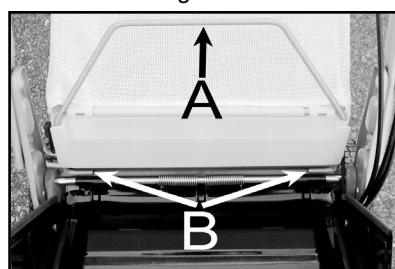


Figure 6

## GRASS BAG AND DISCHARGE FLAP

When mowing without grass bag, the discharge flap close discharge chute of the grass (A, figure 5 ).



### DANGER

**Check that discharge flap is closed down when grass bag is not used. If discharge flap is not close down, thrown object can reach user, people or object, causing failure or injury.**

**To fix the grass bag open completely the flap, put the bag holding it by the handle (A, figure 6) on the mower deck by axles (B, figure 6)..**

## **WARNING**

**Always put the grass bag in and off with the engine off and sparking plug wire unplugged.**

### **HEIGHT OF CUT CONTROL(GR538)**

Height of cut can be setted on wheel.

Push out lever (A & B, figure 7 ) and pull it backward or forward to reach one of the slots.

Check that the lever is completely locked in the slot.

Push the lever forward to sliding down height of cut. (B, figure 7 ).

## **WARNING**

**Always perform this adjustment engine off and sparking plug cover unplug**

### **HEIGHT OF CUT CONTROL(GR537/537PRO, GRH537PRO,)**

Height of cut can be setted on each wheel. Push out lever (A & B, figure 8 and figure 9) and pull it backward or forward to reach one of the slots B. Check the lever is completely locked in the slot.

On front wheels, push the lever forward to increase height of cut. (B, figure 8).

On rear wheels, pull up the lever to increase height of cut (B, figure 9).

### **ENGINE**

The mower is delivered with the owner's manual of the engine. Read the engine manual before using the machine.

### **FUEL COCK**

The machine is equipped with a fuel cock which shioud be closed when machine is not use.

Fuel cock is closed pushed rearward, and open forward.



Figure 7

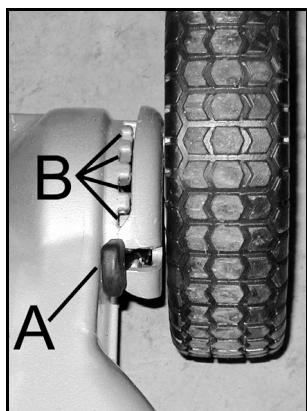


Figure 8

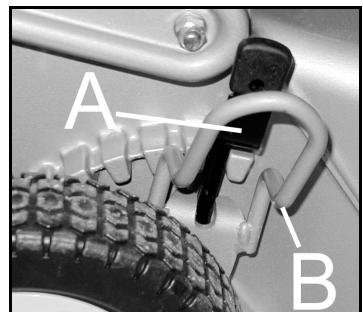


Figure 9

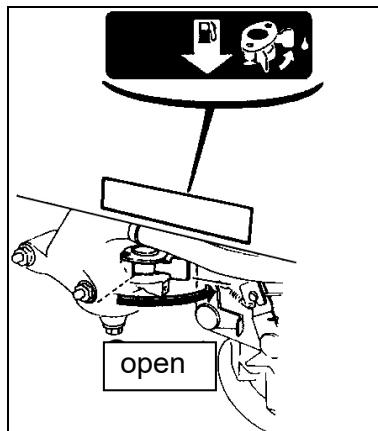


Figure 10

## **OPERATION**



### **CAUTION**

**Check the tightening of bolts, refering to the tightening torque charts**

**The safety was one of our main worry when designing and manufacturing this machine. Therefore, negligence in the use of the machine should reduce our efforts to nothing. The prevention strictly depends on the care and on the skill of the user when applying and maintaining the machine. The best safety method remains a careful and skilled user ; we wish you to be this kind of user.**

The user of this machine is responsible for its safe use. He must be a skilled user specially trained for the use of this machine. Read the safety instructions. This machine has been designed to mow grass. It is not designed for any other operation. It is no designed to transport other tools or materials that might damage it and cause injuries to the user. It must not be used to carry persons.



### **DANGER**

**Never use the machine without having, at first, carried out all the maintenance operations as described in the daily maintenance chapter.**



### **CAUTION**

**Never let children or unskilled persons use the machine. Check that nobody or no object stands near the machine when at work. They could be hit by the moving parts. Nobody must stand on the machine except the driver. Never put your hands under moving parts.**

#### **STARTING THE ENGINE**

- Turn the fuel cock "ON" to the left.
- Check travel and blade clutch levers are disengaged
- Push the lever completely to operate choke when the engine is cold, push the lever half his stroke when the engine is hot.
- Put one feet on the mower deck and and pull the rope handle starter completely.
- If the engine does not start, perform again the operation
- When the engine has started, release the rope slowly and pull back the throttle lever.
- When engine is hot push the lever half his stroke, choose a travelling speed and clutch the travel lever to move on the lawn to mow.

#### **MOWING**

- Adjust height of cut following as needed :



### **WARNING**

**Do not forget that it is better to mow a few grass often than many grass in one operation.**

**Remember that short grass deteriorate rapidly in hot and dry weather.**

**When the cutting height is low , the blade may hit the ground and it causes damage to the blade. The thrown objects can injure the operator, the bystanders, or cause damage to their properties.**

Push throttle lever at half of his stroke.

Pull slowly cutting blade control lever in engage position and go forward in the grass to mow. Then push travel speed lever. Push throttle lever at full rpm.



### **WARNING**

The best cutting speed depends of quantity and the density of the grass. Usually it is asked to mow between 3 and 10 Km/H. A tall grass will be cut slowly in the first speed and a low grass will be cut faster at the second speed.



### **WARNING**

**Check that there is nobody stay in the mowing path. Stop the machine immediatly when hitting something. Let the machine get cold, clean the machine from dust and debris. Check the machine or ask your dealer to check if the machine is not damage.**

It is very dangerous to work in slope. Never work in slopes more than 15°.

#### **HOW TO EMPTY THE GRASS BAG**

- When the grass bag is full, stop the machine.
- Take off the grass bag and empty it.
- When the bag is empty put it back in place..
- You can start to mow again.

#### **⚠ CAUTION**

**Always stop the mower and the engine to empty the grass bag. If you do not use the grass bag check that the discharge flap is fully closed. NEVER mow when the discharge flap is open.**

#### **HOW TO STOP THE MACHINE**

- Release travel speed lever and blade clutch lever.
- Pull backward the throttle lever to stop.
- Close the fuel cock

#### **⚠ CAUTION**

**Never let the machine on slopes. Stop it on a level and flat surface.**

#### **STORING THE MACHINE**

Thoroughly clean the machine. Use touch up paint to prevent rust.

Check for worn and damage parts, install new parts as required

Preform the normal maintenance of the machine according to maintenance chart.

Store the machine in a dry protected area

Remove sparking ignition wire from the sparking plug.

## **MAINTENANCE OPERATIONS TO BE CARRIED OUT BY THE USER**

### **DANGER**

**BEFORE** perform any maintenance operation on the machine, cut off the engine, and remove the sparkin wire from the sparking plug

If maintenance operation are not realized, damages can occur to the machine and personnal injuries to the user and/or spectators. These damages and injuries will not be covered by the warranty.

- Daily maintenance will be performed by the user.
- Maintenance opérations for first 20 hours, 100 and 300 should be realized by the dealer.
- Ask your dealer to check the machine if you meet some problems.
- Ask your distributor the name of your dealer.

### **DAILY MAINTENANCE, BEFORE START MOWING**

#### **Fuel (figure 11)**

Check tank level is full before start to work. Check that tank plug is fully closed, and check for leaks. Use only a good quality unleaded gasoline.



Figure 11 (GXV160)

### **DANGER**

**Check fuel tank is closed, wipe fuel spillages before start the machine. Check there is no fire, electric sparks, cigarettes near the machine when refuelling.**

#### **Safety stickers**

- Check safety stickers are sticked at their place. Replace them if they are worn and damage.

#### **Blade and blade holder condition**

### **CAUTION**

**You can be cutted and injured by cutting blade. Always wear gloves when holding blades.**

Check rotary blades are in good condition, change worn or damage parts.

- Changing blade : unscrew hexagonal screws and washer from the blade holder.
- Check the blade condition. Change it if it is worn bend or crackle.
- Check tightening of hexagonal screws according to the chart at the end of the manual.

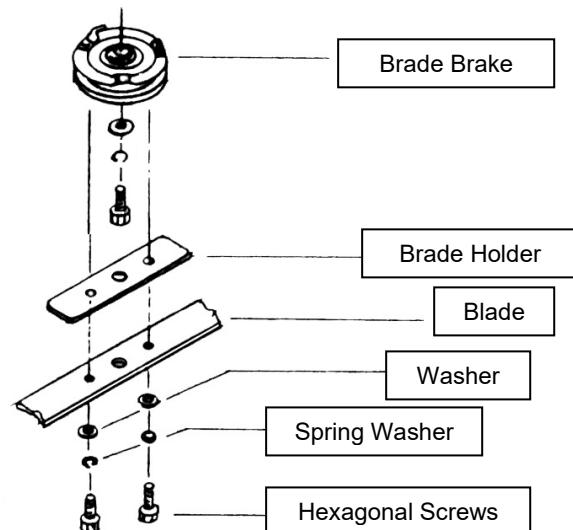


Figure 12

### **CAUTION**

**Use only the OREC original parts : " non genuine " parts will not assure you of a correct and safe working and are likely to make the warranty null and void.**

#### **Engine :**

Refer to engine manual deliver with the machine. Oil level : check by the gauge (A figure 13). Oil level should appear between « A » and « B » when the gauge is put on his place without screwing it (figure 14). Check only engine stopped since ten minutes on a flat level surface.

Use only good quality 4 stroke engine oil "SAE 10W30" or "API SL class", 0.65 L.

Drain oil by plug « B » after the first 20 hours and after every 100 hours of use (figure 13).

#### Air filter :

Dismount the air filter by the nuts "A"(figure 15), blow the cartridge "A"(figure 16) with low air pressure from the inside to the outside oposite to the normal air flow. Change the cartridge if it is to dusty or after five cleaning. Clean the foam « B » (figure 16) with water and soap. Dry the foam before assembling again

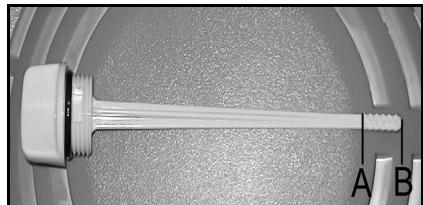


Figure 14

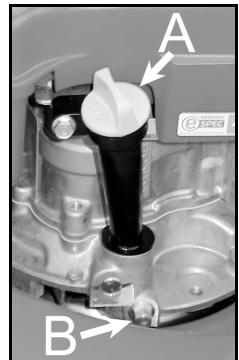


Figure 13

#### Brake blade adjustment (figure 17) :

- When blade clutch lever is released, the blade must stop in 3 seconds. If blade stops in more than 3 seconds, brake blade should be adjusted as follow.
- **Wire #°2 :** unscrew nut « A » (fig 17). Screw adjusting nut « B » to increase the efficiency of the blade brake. When adjustment is performed screw again nut « A ».
- Check If blade stops in 3 seconds. Adjust again if it is necessary.



Figure 15(GXV160)

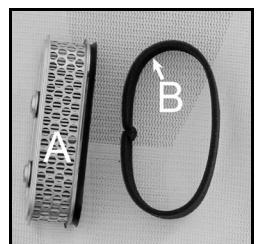


Figure 16

#### Transmission adjustment (figure 17-1, 17-2) :

- Adjustment is correct when engine running, push the transmission lever on and pull the mower on reverse, the driving wheels are locked. To adjust, proceed as follow :
- **Wire #°1 :** unscrew nut « A » (fig 17-1, 17-2). Screw adjusting nut « B » to increase the efficiency. When adjustment is performed screw again nut « A ».
- Check again transmission adjustment.

#### Tightening of bolts :

- Check that the bolts, nuts...are properly tightened. The vibrations tend to loosen the bolts.

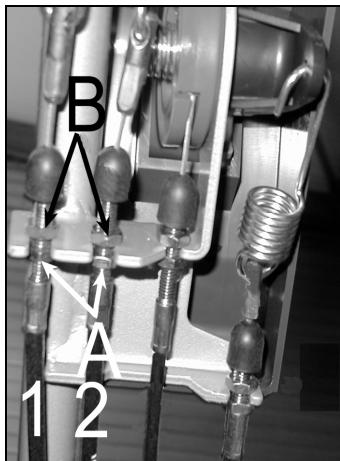


Figure 17-1  
(GR538/537/537PRO)

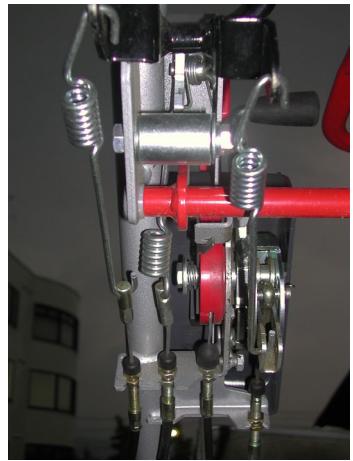


Figure 17-2  
(GRH537PRO)

#### How to change the transmission oil(GR538/537PRO)

Please fill the oil gradually. If you try to fill the oil at once, the oil may spill out from the oil hole due to the air. Make sure that the oil comes to the oil hole

1. Prepare the oil container.
  2. Take the drain plug(Fig. A, 1)(bolt :14mm) of the left side bottom of the transmission case, then drain the oil.
  3. Fill the transmission oil "SAE90" or "API GL-5" 0.07L(GR538,GR537PRO) and then set the drain plug completely.
- When you fill the transmission oil, take down this machine (right side of the body to touch the ground), then fill the oil from the drain plug.

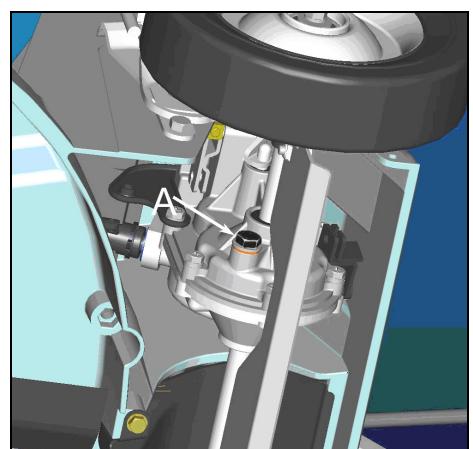


Figure 18

#### Transmission oil replacement frequency

First replacement : After 10 hours of use	Later replacement: Each 50 hours or Every year whichever comes first.
--	--

## How to change the transmission oil(GRH537PRO)

1. Prepare the oil container. Remove the bolt and detach the transmission cover(fig. 19).
2. First, replace the mechanical transmission oil. Remove a Drain Plug(A, fig. 20), and uprear the body and drain the oil. Set the drain plug completely and pour the mechanical transmission oil "SAE90" or "API GL-5" 0.17 litters from oiling mouth(B, fig. 19). Then tighten the bolt.
3. Secondly, replace the HST oil. Drain the bolt(fig. 21) and set the drain plug completely. Loose the Red plastic cap(fig. 22), pour the HST oil "VG46" or "SAE 10W30" 0.22 litters, and then set the red cap completely. If HST oil is lower than middle line(fig. 23), add HST oil up to middle line.

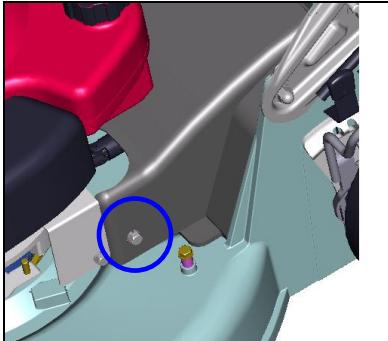


Fig. 19

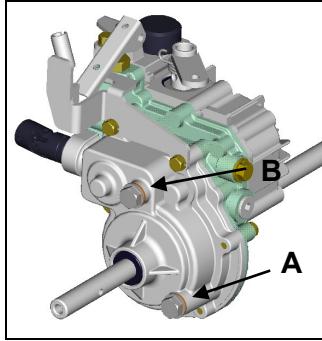


Fig. 20



Fig. 21

### Oil replacement frequency

Oil	First	Later
Transmission oil	After 10 hours of use	Each 50 hours or Every year whichever comes first
HST oil	After 10 hours of use	Each 50 hours or Every year whichever comes first

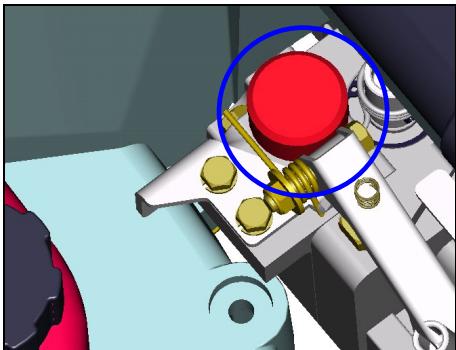


Fig. 22

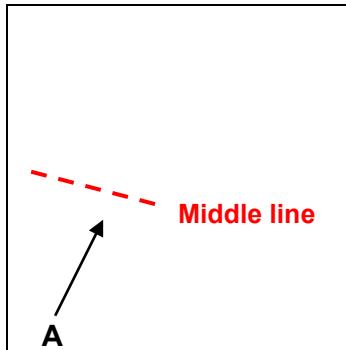


Fig. 23

### CAUTION

Before to loose the red cap, clean around the cap and be careful for interfusion of dust(fig. 22 & 23). Perform oil exchange, at a place without dust.

If the cutting height of rear wheel is adjusted low, the transmission steps forward and it is easy to pour the oil.

### Installation of the side guards

When the side guard is removed, be careful about positioning it correctly when installing the side guard again.

Install the guard with the bolts, nuts and washers not tightened completely.

Locate the front part up and secure the nut following the torque chart.

Locate the rear part of the guard as low as possible and secure the nut following the torque chart.

The front part should be in high position, and rear part should be in low position.



If the rear part of side guard is not in low position, there is a risk that foot is injured.

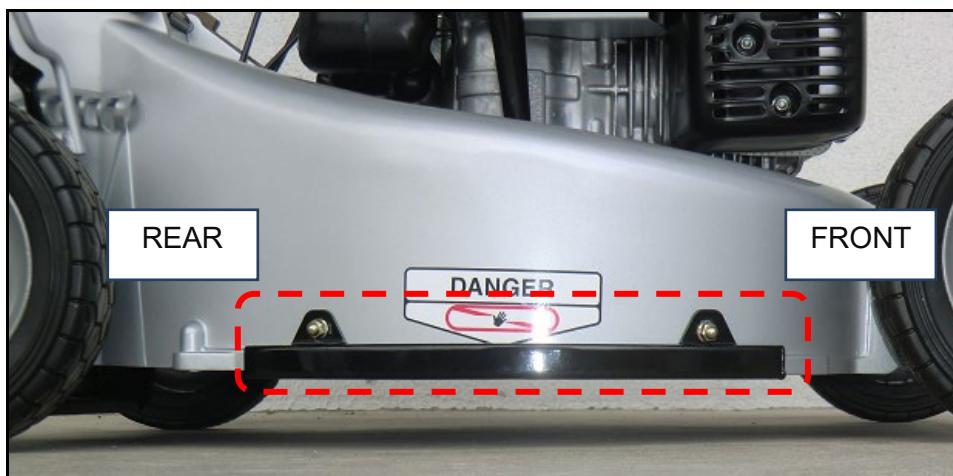


Figure 24

FRONT : High position

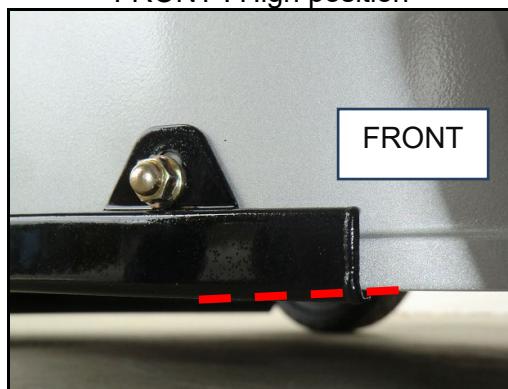


Figure 25

REAR : Low position

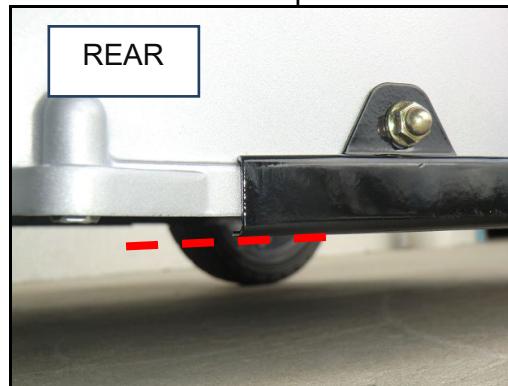


Figure 26

### MAINTENANCE CHART

Ask your dealer to realize this operation needing special tools and knowledge.

Inspection to realize by the owners before starting the engine

Inspection to realize by the owners after starting the engine

Part to inspect	Inspection	Every use	first 20 hours	Every 100 hours	Every 300 hours or every year
fuel	refuelling	⊕			
	Fuel cock	⊕			
Flammables materials	Clean the machine from flammables materials	⊕			
Cutting deck	Check for rust, and cracks				⊗
Safety stickers	Check they are in place and in good condition	⊕			
Blade brake	Check the adjustment	⊗			
Discharge flap	Check they are in place and in good condition	⊕			
Tank	Check for leaks and good condition Replace if needed	⊕			
fuel hoses	Check for leaks and good condition Replace if needed	⊕			
Throttle lever	Check for efficiency	⊗			
blades	Check it is bolted in his place and in good condition	⊕			
transmission wire	check adjustment	⊕		□	
Blade brake wire	check adjustment	⊕		□	
Engine	Refer to engine manual	⊕			
Bolt, screws and nuts	check for tightening	⊕			

### BREAKDOWNS AND SOLUTIONS

PROBLEM	CAUSE	SOLUTIONS
Engine does not start	No fuel	Refuel the tank
	Battery is empty	Load or replace the battery
	sparkling wire is unplugged	Check brakes, blade clutch and seat and travel lever
The machine does not travel	check transmission wire	unlock parking brake
The machine does not stop	check transmission wire	Move the travel lever to « N »
The blade does not rotate	Blade clutch lever is not engage	engage Blade clutch lever
	check transmission wire	Check brakes, blade clutch and seat and travel lever

### TIGHTENING TORQUES (Nm)

Diameter of screw(mm)	Mark on the screw head				
	4 or without mark	7	8	9	11
3	0.3~0.5	---	---	---	---
4	0.8~1.0	---	---	---	---
5	2.5~3.4	5.4~6.4	6.4~7.4	6.4~7.4	8.8~9.8
6	4.9~6.9	9.8~11.8	11.8~13.7	11.8~13.7	14.7~16.7
8	11.8~16.7	24.5~29.4	29.4~34.3	34.3~36.2	36.3~41.2
10	20.6~29.4	39.2~44.1	49~53.9	49~53.9	72.6~82.4
12	44.1~53.9	83.4~93.2	93.2~107.9	93.2~107.9	122.6~137.3
14	63.7~78.5	117.7~132.4	132.4~147.1	147.1~166.7	205.9~225.6
16	88.3~107.9	152~171.6	176.5~196.1	215.8~245.2	313.8~343.2
18	117.7~137.3	205.9~235.4	245.2~274.6	313.8~343.2	441.3~470.7
20	147.1~166.71	235.4~274.6	313.8~353	441.3~480.5	617.8~657.1
22	176.5~205.9	421.7~451.1	539.4~578.6	608~647.2	843.4~882.6
24	235.4~264.8	539.4~568.8	706.1~745.3	784.5~823.8	1098.4~1137.6

## **EC CONFORMITY DECLARATION**

Business name and full address of the manufacturer :

OREC CO LTD  
548-22 HIYOSHI HIROKAWA-MACHI  
YAME-GUN FUKUOKA JAPAN  
S.A.T. sarl - Force 7 – ZA –  
38110 ROCHETOIRIN France  
owner of the technical documents

Designation : walk behind rotary mower  
Mark : OREC  
Type : GR538,GR537  
Serial Identification :  
Engine :  
- Manufacturer : HONDA  
- type : GXV160  
- Power : 3,5 kW  
Width of cut : 530 mm  
Conforms to directives: 2000/14/EC, 2006/42/EC, 2004/108/EC  
Conformity assessment : 2006/42/EC Annex VIII  
Measured acoustic power level : 97.4 dB(A)  
Granted acoustic power level : 98 dB(A)  
Conformity assessment : 2000/14/EC Annex VI part 1  
Notified body n°0088 : Lloyd's Register Quality Assurance  
71 Fenchurch street London EC3S 4BS UK  
Acoustic pressure level at operator's ears : 87 dB(A)  
Harmonized standards used : EN ISO 5395-2013, EN ISO 14982-2009,  
EN ISO 3744-2010, EN ISO 3746-2010,  
EN1032-2003+A1-2008, EN ISO 20643-2008

made at : Fukuoka, 24 August 2016

Signed : Haruhiko Imamura  
Function : Managing director



## **MEASUREMENT OF VIBRATIONS**

Mark : OREC      Type : Lawn Mower  
Engine : GXV160   Model : GR538 ,GR537

Accelerometer Position	GR538, GR537
100mm from external side of handlebar(Left side)	1,20 m/s <sup>2</sup>
100mm from external side of handlebar(Right side)	1,12 m/s <sup>2</sup>

## **EC CONFORMITY DECLARATION**

Business name and full address of the manufacturer :

OREC CO LTD  
548-22 HIYOSHI HIROKAWA-MACHI  
YAME-GUN FUKUOKA JAPAN  
S.A.T. sarl - Force 7 – ZA –  
38110 ROCHETOIRIN France  
owner of the technical documents

Designation : walk behind rotary mower

Mark : OREC

Type : GR537PRO

Serial identification :

Engine :

- Manufacturer : HONDA  
- type : GXV160  
- Power : 3,5 kW

Width of cut : 530 mm

Conforms to directives: 2000/14/EC, 2006/42/EC, 2004/108/EC

Conformity assessment : 2006/42/EC Annex VIII

Measured acoustic power level : 98 dB(A)

Granted acoustic power level : 98 dB(A)

Conformity assessment : 2000/14/EC Annex VI part 1

Notified body n°0088 : Lloyd's Register Quality Assurance  
71 Fenchurch street London EC3S 4BS UK  
87 dB(A)

Acoustic pressure level at operator's ears : EN ISO 5395-2013, EN ISO 14982-2009,  
Harmonized standards used : EN ISO 3744-2010, EN ISO 3746-2010,  
EN1032-2003+A1-2008, EN ISO 20643-2008

made at : Fukuoka, 24 August 2016



Signed : Haruhiko Imamura

Function : Managing director

## **MEASUREMENT OF VIBRATIONS**

Mark : OREC Type : Lawn Mower

Engine : GXV160 Model : GR537PRO

Accelerometer Position	GR537PRO
100mm from external side of handlebar(Left side)	1,25 m/s <sup>2</sup>
100mm from external side of handlebar(Right side)	2,20 m/s <sup>2</sup>

## **EC CONFORMITY DECLARATION**

Business name and full address of the manufacturer :

OREC CO LTD  
548-22 HIYOSHI HIROKAWA-MACHI  
YAME-GUN FUKUOKA JAPAN  
S.A.T. sarl - Force 7 – ZA –  
38110 ROCHETOIRIN France  
owner of the technical documents

Designation : walk behind rotary mower

Mark : OREC

Type : GRH537PRO

Serial identification :

Engine :

- Manufacturer : HONDA  
- type : GXV160  
- Power : 3,5 kW

Width of cut : 530 mm

Conforms to directives: 2000/14/EC, 2006/42/EC, 2004/108/EC

Conformity assessment : 2006/42/EC Annex VIII

Measured acoustic power level : 97.8 dB(A)

Granted acoustic power level : 98 dB(A)

Conformity assessment : 2000/14/EC Annex VI part 1

notified body n°0088 : Lloyd's Register Quality Assurance  
71 Fenchurch street London EC3S 4BS UK  
87 dB(A)

Acoustic pressure level at operator's ears :  
Harmonized standards used : EN ISO 5395-2013, EN ISO 14982-2009,  
EN ISO 3744-2010, EN ISO 3746-2010,  
EN1032-2003+A1-2008, EN ISO 20643-2008

made at : Fukuoka, 24 August 2016



Signed : Haruhiko Imamura

Function : Managing director

## **MEASUREMENT OF VIBRATIONS**

Mark : OREC Type : Lawn Mower

Engine : GXV160 Model : GRH537PRO

Accelerometer Position	GRH537PRO
100mm from external side of handlebar(Left side)	1,40 m/s <sup>2</sup>
100mm from external side of handlebar(Right side)	2,40 m/s <sup>2</sup>

## **LIMITED WARRANTY**

Each new product manufactured by OREC is guaranteed under the cope of the following terms. The warranty applies to defective parts due to defect in assembling and construction or/and in material imputable to us. It is valid for a period of one year and for normal use of the machine. It does not apply to engines manufactured by other companies that also guarantee their materials and whose guarantee is supplied with the machine.

- 1° This guarantee is limited to the sole replacement of the defective parts during one year commencing with the purchasing date of the machine. The guarantee is limited to the parts that are previously shown to and acknowledged by OREC.
  - 2° Each part concerned by a guarantee claim must be returned to OREC's in order to be inspected, repaired or replaced. The part(s) must be returned with freight prepaid and must be accompanied with a proof of the purchase. The part(s) must be packed with the greatest of care to ensure their protection.
  - 3° The machine must not have been worn out, repaired or maintained by anyone without OREC's previous authorization. The machine must not have been damaged in a road accident, roughly handled or unproperly used.

This guarantee does not compel OREC or its dealer to reimburse the labour costs or the carriage costs to the repairer.

NO OTHER GUARANTEE SHALL BE APPLIED TO THIS MACHINE EXCEPT THE LEGAL GUARANTEE. OREC SHALL NOT BE LIABLE FOR ANY DAMAGE OR COST INVOLVED BY THE MACHINE, FOR EXAMPLE :

1. HIRING COSTS
  2. TURNOVER LOSSES
  3. WORK DONE BY A REPLACING MACHINE

OREC DOES NOT TAKE ON ANY OTHER OBLIGATION AND DOES NOT AUTHORIZE ANYBODY TO TAKE ON ANY OTHER OBLIGATION THAT THOSE MENTIONED IN THE 3 PARAGRAPHS ABOVE.

## NOTES