

# INSTRUCTION MANUAL



# OREC

Grassland walk behind mower

**SH61 & SH61H & SH71H & SH71H(W)**



**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 : October 2020

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

## **INTRODUCTION**

### Forword 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.



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



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



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

## CONTENTS

INTRODUCTION .....	2
CONTENTS .....	3
SPECIFICATIONS .....	3
CHECK LIST .....	4
SAFETY RULES .....	5
DIFFERENT PARTS OF THE MOWER .....	6
SAFETY INSTRUCTION STICKERS .....	7
CONTROLS .....	8
OPERATION .....	10
MAINTENANCE OPERATIONS TO BE CARRIED OUT BY THE USER .....	12
MAINTENANCE CHART .....	16
BREAKDOWNS AND SOLUTIONS .....	17
TIGHTENING TORQUES (daNm) .....	17
EC CONFORMITY DECLARATION .....	18
MEASUREMENT OF VIBRATIONS .....	18
EC CONFORMITY DECLARATION .....	19
MEASUREMENT OF VIBRATIONS .....	19
EC CONFORMITY DECLARATION .....	20
MEASUREMENT OF VIBRATIONS .....	20
LIMITED WARRANTY .....	21
NOTES .....	21

## SPECIFICATIONS

Model	SH 61 / SH61H	SH71H / SH71H(W)
Engine	KAWASAKI FJ180V	HONDA GXV390
Transmission	mechanical	mechanical
Forward speed (km/h)	(1) 1,59 (2) 2,39 (3) 3,58	(1) 1,59 (2) 2,39 (3) 3,58
Reverse speed (km/h)	1,59	1,59
Cutting width (mm)	600	700
Height of cut (mm)	50 - 100	50 - 100
Weight (kg)	85	118 (SH71H) 120 (SH71H(W))
Fuel tank capacity (litre)	1,6	1,8
blade speed (rpm)	1624 (SH61) / 2351 (SH61H)	2351 (SH71H/SH71H(W))
Over all width (mm)	700	800 (SH71H) 820 (SH71H(W))

## **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.

### **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.

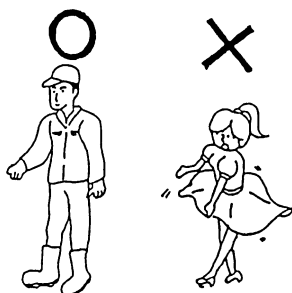
## SAFETY RULES



### 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.

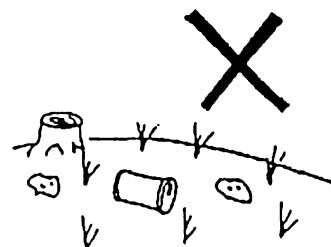
- Steer clear of unsteady embankments, holes or rocks. They might be dangerous during manoeuvres or transport.
- Keep away from electric wires and obstacles. A contact with electric wires cause electrocution and death.
- Stop the machine progressively when lifting or lowering the machine.
- When stopping 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

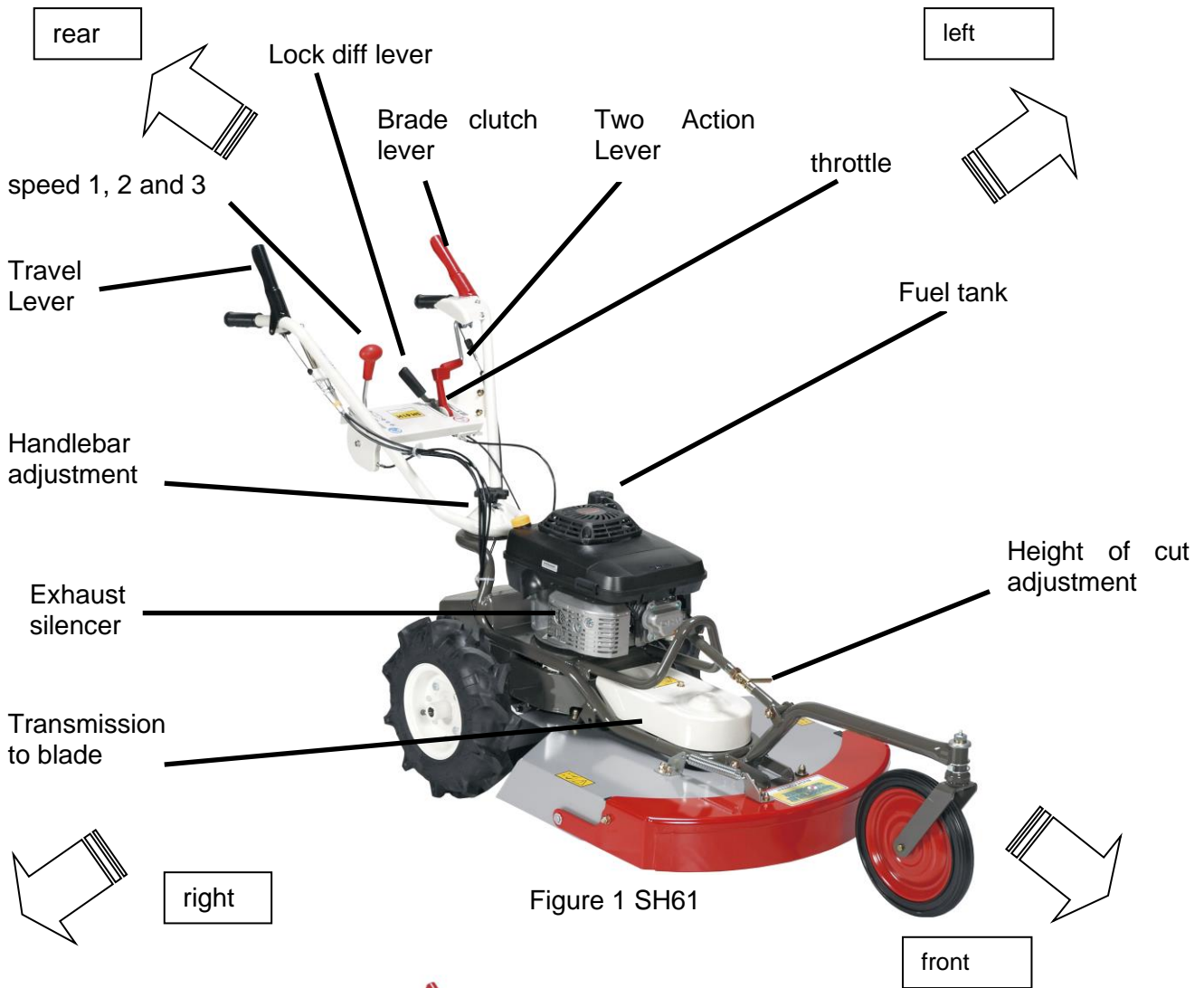


Figure 1 SH61

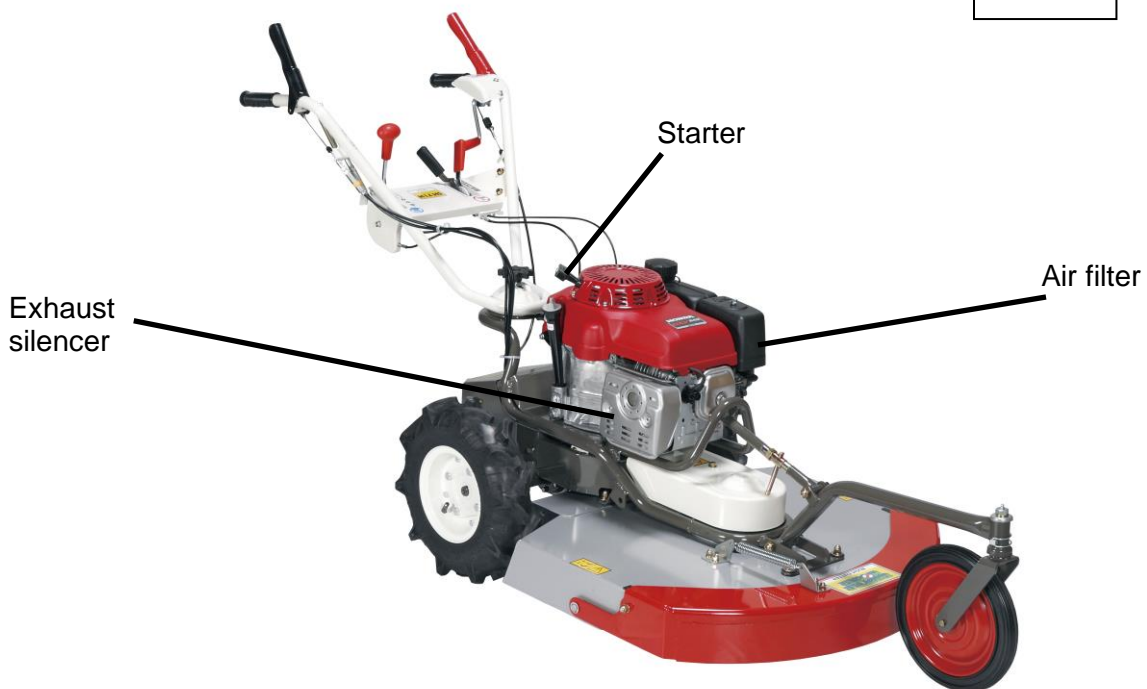


Figure 1 SH71H

# SAFETY INSTRUCTION STICKERS

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



use protection equipment.  
(0215-83200)



not on the sloop more than 15°(0223-72900)



Beware of the transmission  
(80-1488-928-10)



Beware of cutting Blade  
(80-1488-926-10)



Beware of Exhaust Gas



Beware of Hot surface



Beware of Flammable gasoline



Read Owner's manual



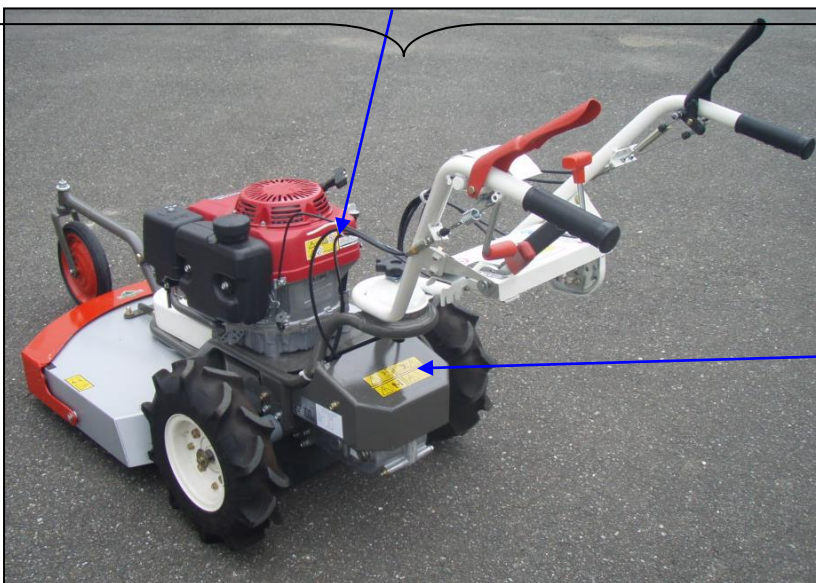
Before doing maintenance  
remove the spark plug



Stand clear of the machine



Beware of thrown object  
(0223-76100)





## CONTROLS

### Travel lever

Grip the lever (1, Figure 2) with handlebar, to make the machine moving. Release the lever, then parking brake is activated and machine stops. Parking brake is inactivated when travel lever is pressed.

### Cutting blade clutch lever

Cutting blade Clutch lever make the engine power transmit the blade to mow (2, 3 Figure 2, ).

First Grip the lever (2, figure 2) with handlebar, Then pull up the lever (3, figure 2) to make the blade turning. Release the lever (2, figure 2), then the blade stops.

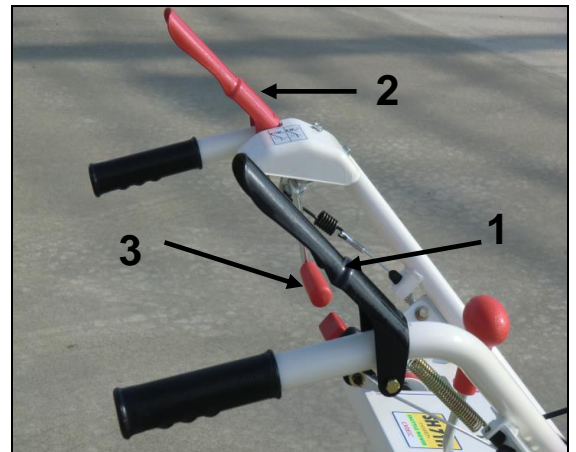


Figure 2



### **WARNING**

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

### Speed lever

This lever allowed to change the travel speed from 1 (low speed) to 3 (high speed). Put the lever on "R" to go on reverse. (1, figure 3). (N) position is neutral.



### **WARNING**

**Change the travel speed only when the machine is stopped.**

### Throttle lever and Choke lever (1 Figure 4)

Push the lever (1, figure 4) 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. Always operate mower at full engine speed. Pull the throttle lever rearward to « STOP » in order to stop the engine.

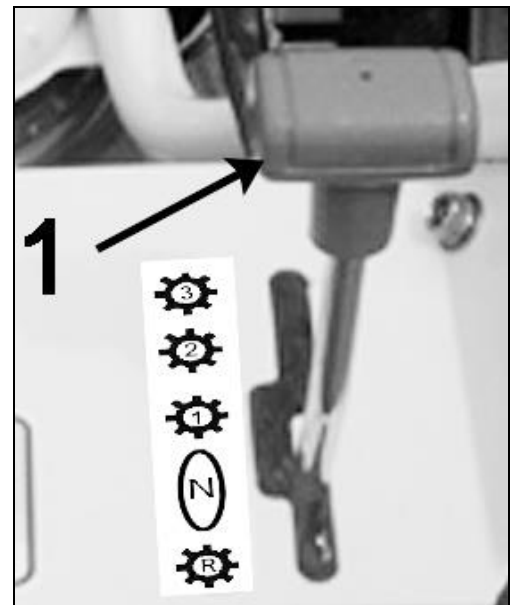


Figure 3

### **IMPORTANT**

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

### Differential lock lever (2 Figure 4)

This lever is normally used in "OFF" position. It is recommended to use this lever in "ON" position, in the conditions such as slope, slipping area, place where one of rear wheel is slipping, and loading / unloading on the truck. When the differential lock lever is in "ON" position, rear wheels are connected and machine certainly goes straight.

However, when the machine is turning, differential lock must be "OFF" because turning radius is bigger, one of the rear wheel is worn, and transmission may be damaged.

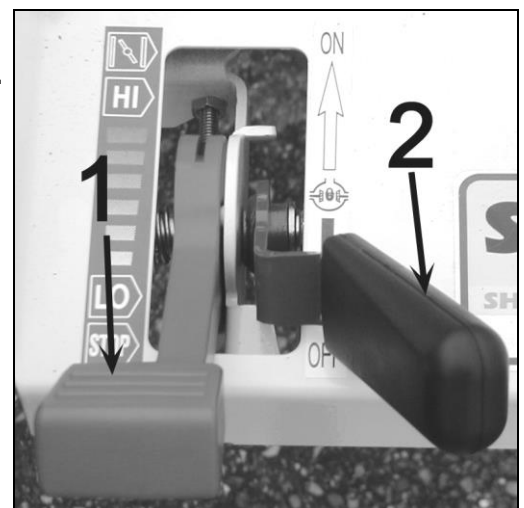


Figure 4





The differentail lock lever can be “ON” only in straight line : never shift the differential lock lever to”ON” position when turning.

The damage to the transmission will not be covered under warranty.

#### Fuel cock

The fuel cock is closed when machine is not use. Fuel cock is closed pushed rearward, and open forward. (1, Figure 5bis)

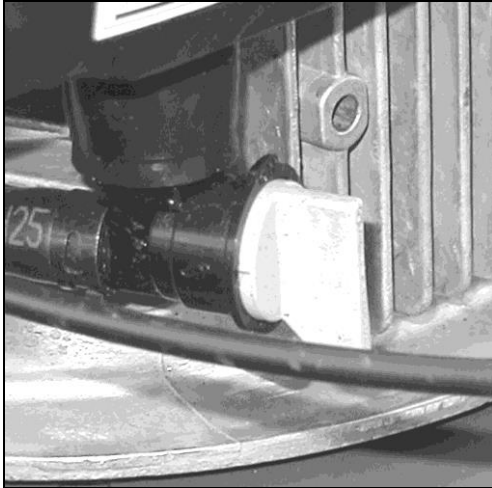


Figure 5 SH 61 (FJ180V)

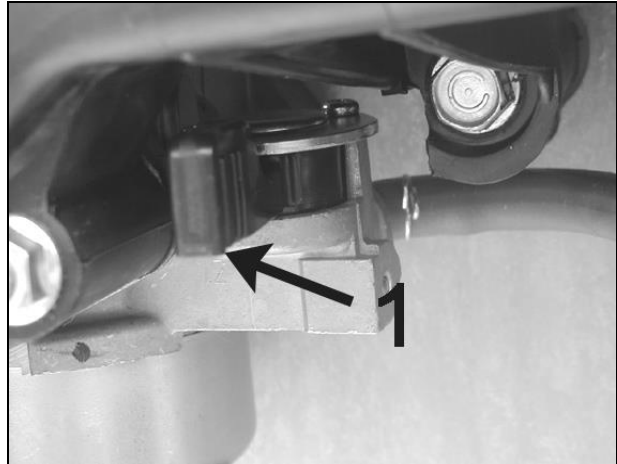


Figure 5 SH 71H(GXV390)

#### Height of cut control

Height of cut can be setted by turning the bar (A Figure 6, clockwise to increase the height of cut and Counter-clockwise decrease the height of cut.



#### **WARNING**

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

**When cutting in low position, power needed and thrown objects are more important. Cutting low can cause damage to the machine and injury.**

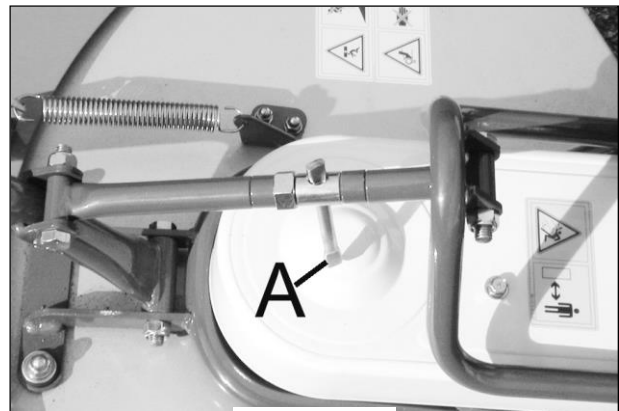


Figure 6

## OPERATION



### CAUTION

Check the tightening of bolts, referring 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 priory 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 no bystanders are 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 on moving parts.

Starting of the engine

- Turn the fuel cock "ON".
- Check than cutting blade is disengaged, and travel lever in neutral position « N ».
- Set the choke lever if engine is cold or push throttle lever half if engine is hot. Press the brake lever and pull the starter rope. When the engine has started, push back the choke lever.

Mowing

- Adjust the height of cut control bar 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 cause damage to the blade. The thrown objects can injure the operator, the bystanders, or cause damage to their properties..

Working in slopes is very dangerous. Never work in slopes more than 15°.

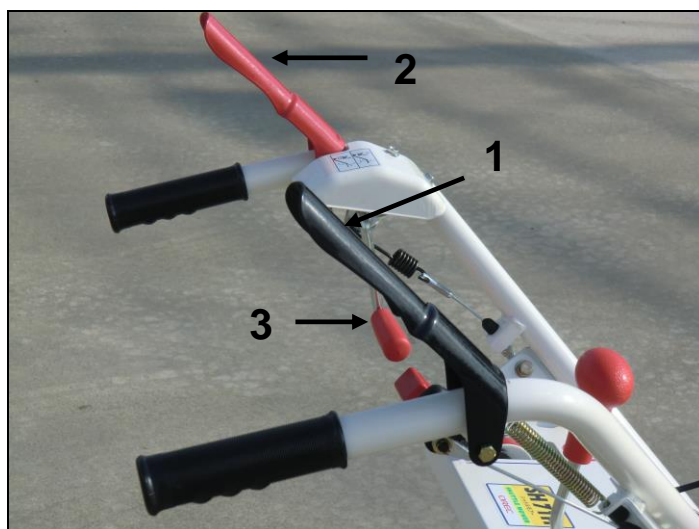


Figure 7

- Push slowly cutting blade control lever (2 Figure 7 in engage position and pull up the lever (3) , then go forward in the grass to mow.
- The best cutting speed depends of quantity and the density of the grass. Usually it is asked to mow between 2,5 and 6 Km/H. A tall grass will be cut slowly and a low grass will be cut faster.



#### **WARNING**

**Do not forget that it is better to mow a few grass often than an important quantity in one operation. Short grass do not resist to dry weather, and the blade can hit the grown with damage and trhown objects.**

#### How to stop the machine

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



#### **WARNING**

**Never park 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



**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 personal 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 to your dealer to check the machine if you meet some problems.
- Ask to your distributor the name of your dealer.

Daily maintenance, before start mowing

Gear box Oil level : check by the gauge (A figure 8. Oil level should appear in the middle of the window. when the gauge is put on his place without screwing it. Check only engine stopped since ten minutes on a flat level surface.

- Use only good quality gear oil SAE90 or API GL-5.
- Oil Quantity : 1.60L

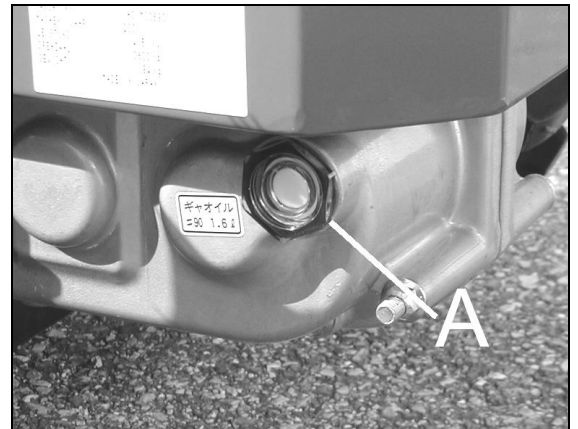


Figure 8

Transmission oil replacement frequency

First : 20 hours

Later : each 100 hours or every year whichever comes first.

Engine oil level : see the engine manual. Check the level on the gauge (2 figure 9).

Fuel (Figure 9 1)

Check tank level is full before start to work. Check that tank plug (1, Figure 9 is fully closed, and check for leaks. Use only a good quality unleaded gasoline.

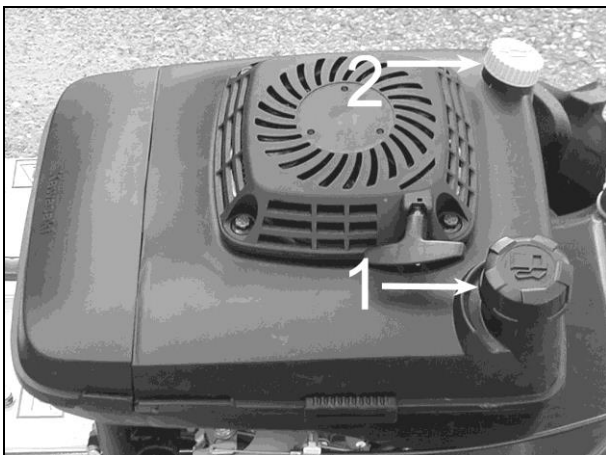


Figure 9 SH61

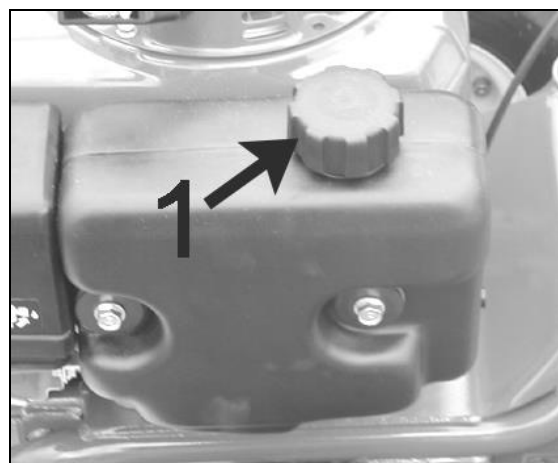


Figure 9 SH 71H



**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.**

Tires (Figure 10)

Check tires are not cutted, cracked or worn.

- Check tires pressure : 1,2 bar front and 1,4 bar rear.

Safety stickers

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

Blade and blade holder condition



**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.

Air filter

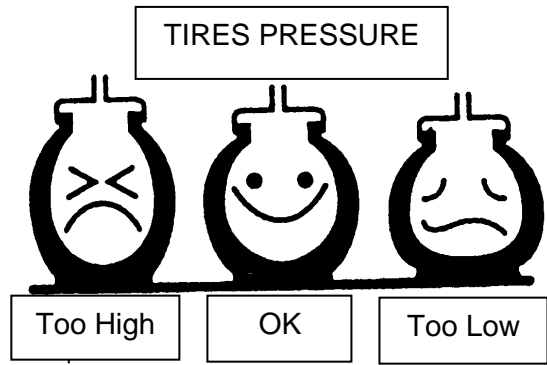


Figure 10

SH 61	SH 71H
Dismant the air filter by the nuts (figure 11), blow the cartridge "B" with low air pressure from the inside to the outside, oposite to the normal air flow. Change the cartridge if it is too dusty or after five cleaning. Clean the foam « A » with water and soap. Dry the foam before and oil slightly with engine oil, then assembling again.	Dismant the air filter cover (B figure 11) by the nut wing (A figure 11), the cartridge D by the nut wing C, blow the cartridge with low air pressure from the inside to the outside, oposite to the normal air flow. Change the cartridge if it is too dusty or after five cleaning. Clean the foam « E » with water and soap. Dry the foam before and oil slightly with engine oil, then assembling again.

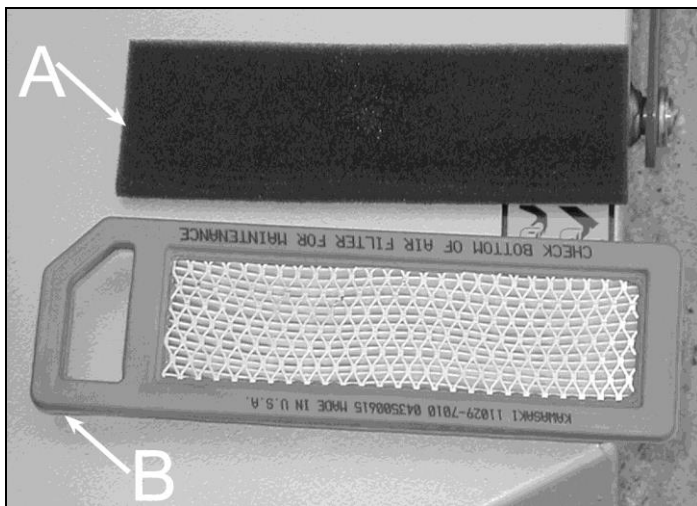


Figure 11 SH 61

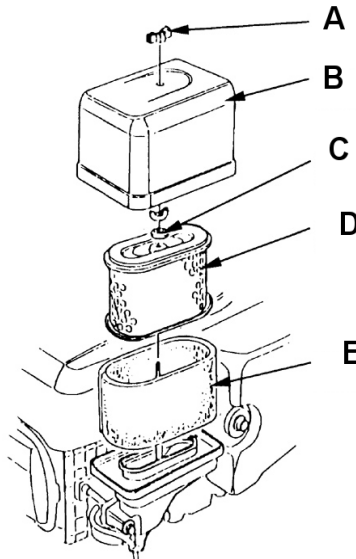


Figure 11 SH 71H

Engine :

- Refer to engine manual deliver with the machine.
- Engine Oil type : SAE10W30 or API Sclass.
- Engine Oil Quantity : 0.65L (SH61/61H), 1.10L (SH71H/71HW)

Engine oil replacement frequency

Model	First	Later
SH61/61H	8 hours	each 50 hours or every year whichever comes first
SH71H/71H(W)	20 hours	each 100 hours or every year whichever comes first

Wires gap :

**Parking Brake wire :**

- If the machine can move when operator release hand from travel lever, adjust the parking brake wire(1, figure 12) as follows : unscrew locking nut 2 and screw nut 3 to increase tension. Lock again the lever and try to move the machine. If the machine is braked enough, screw the locking nut. If the machine move, screw the nut 3 again. If the adjustment is not efficient, contact your dealer in order to check and replace brake pads if it is necessary.
- Check the driving clutch wire as well, when parking brake wire is serviced.

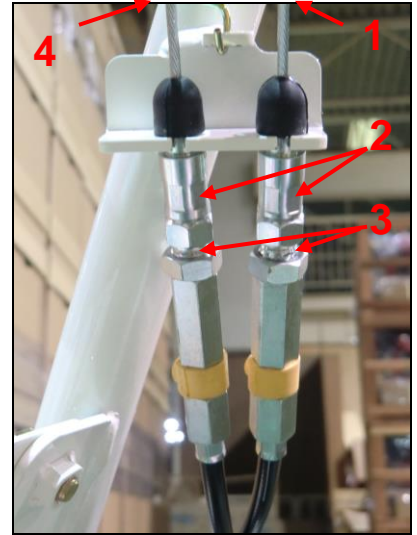


Figure 12

**Driving clutch wire :**

- If the machine does not move or if the transmission belt slips when transmission lever is pressed, adjust the driving clutch wire(4, figure 12) as follow : unscrew the locking nut 2 and after screw up the adjust nut(3, figure 12) against the lock nut. Try to move the machine again. Perform the adjustment again if needed.
- If the machine move when travel lever is released, adjust the driving clutch wire as follow : unscrew the locking nut 2 and after screw up the adjust nut 3 against the lock nut. Try to stop the machine again. Perform the adjustment again if needed.
- Check the parking brake wire as well, when driving clutch wire is serviced.

**Blade wire :**

- If the blade does not move when transmission lever is pressed, adjust the tension wire as follow : unscrew the locking nut 2 and after screw up the adjust nut 3 against the lock nut. Try the machine again. Perform the adjustment again if needed.
- If the blade does not stop when the blade lever is released, adjust the tension wire(1, figure 13) as follow : unscrew the locking nut 2 and after screw up the adjust nut 3 against the lock nut. Try the machine again. Perform the adjustment again if needed.

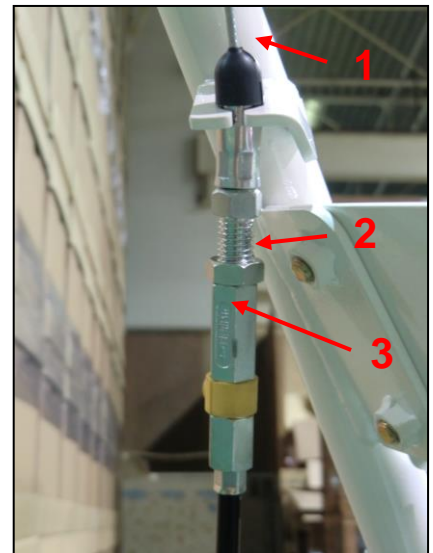


Figure 13

**Differential locking wire :**

- If the locking does not engage when the lever is pressed, adjust the tension wire as follow :
- To increase the tension wire : unscrew the locking screw (A figure 14) and after screw the nut B against the lock nut A. Try the machine again. Perform the adjustment again if needed.
- To loosen the tension wire : unscrew the locking screw (B figure 14) and after screw the nut A against the lock nut B. Try the machine again. Perform the adjustment again if needed.

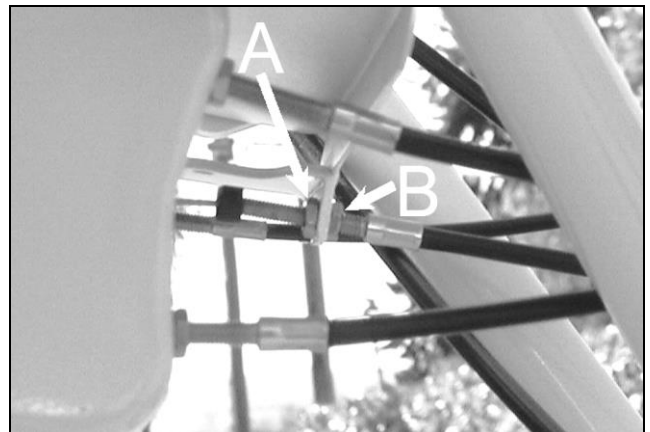


Figure 14

Tightening of bolts :

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



Lubrication :

- Grease the different points G (figures 15) with light oil.
- Grease the point A (figures 16 et 17) with light oil.
- Grease the front wheel axle (A figure 18) with grease NLGI N°2.



Figure 15

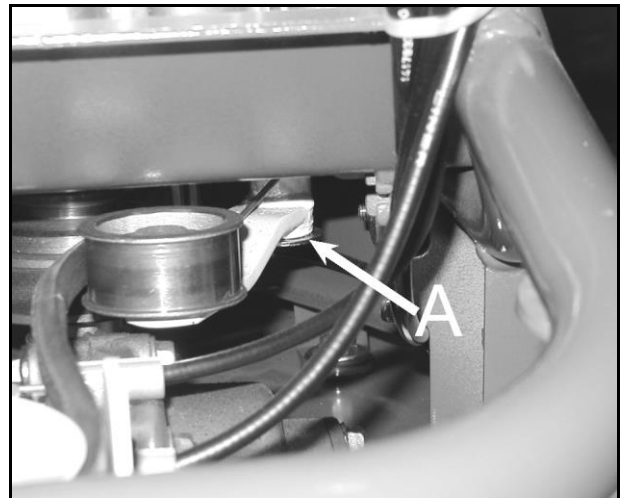


Figure 16

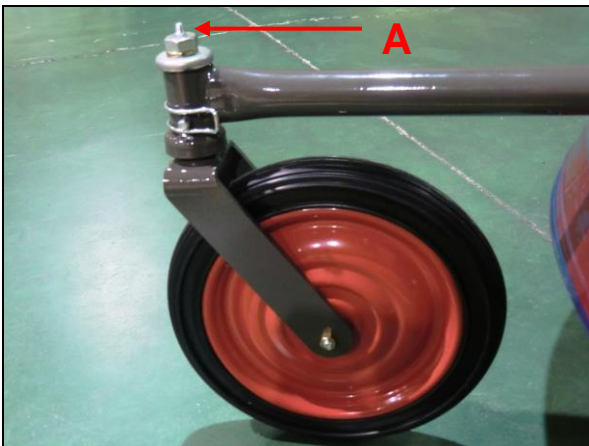


Figure 18

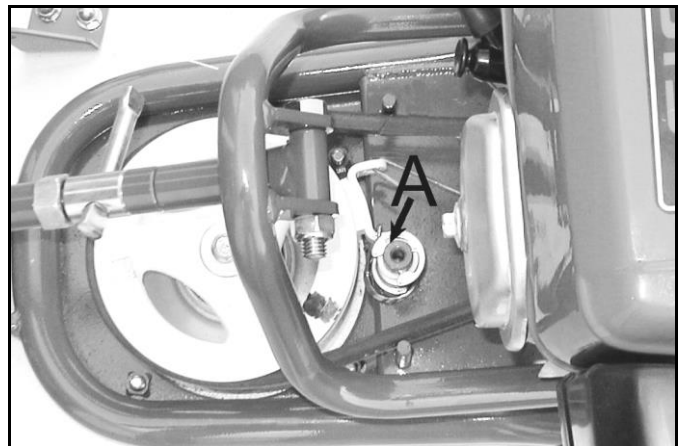


Figure 17

Cleaning :

- Clean the machine from flammable materials, dust or grass, especially around the engine and the exhaust system to prevent fire.

Blade brake :



**WARNING**

Check the blade brake every month, check the time for the blade to stop when blade clutch lever is released (B, figure 19). If more than 7 seconds are necessary for the blade to stop, ask immediately to your dealer to check the blade brake system.

Oil draining :

Refer to the engine manual

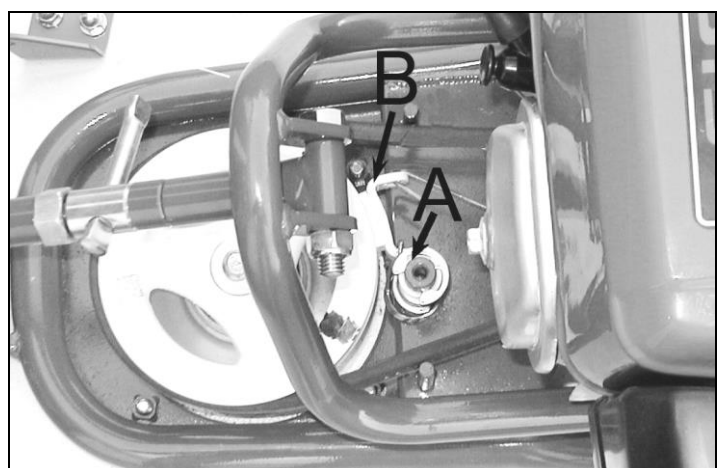


Figure 19



## 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 les 100 hours	Every 300 hours every year
Blade belt	Check belt tension		□	□	
	Check wear		□	□	
Fuel	refuelling	⊕			
	Fuel cock	⊕			
Flammables matériels	Clean the machine from flammables matériels	⊕			
Travel lever	check machine do not move when lever is on "N"	⊗			
	Check travel lever goes on "N" when applying brake	⊗			
Tyres	Check tires pressure	⊕			
	Check tires wear	⊕			
Brake	Check efficiency of the brake	⊗			
	Check travel lever goes on "N" when applying brake	⊗			
Chassis	Check for rust, and cracks				
Safety stickers	Check they are in place and in good condition	⊕			
Safety switches	Check for efficiency	⊗			
Guards & shields	Check they are bolted in their place and in good condition	⊕			
Tank and fuel hoses	Check for leaks and good condition Replace if needed	⊕			
Throttle lever	Check for efficiency	⊗			
Blades	Check they are bolted in their place and in good condition	⊕			
Blade clutch control lever	Check the adjustment of the wire	⊕	□	□	
Blade brake	Check the adjustment	⊕	□	□	
Blade belt	Check they tensionned and in good condition		□	□	
Engine	Refer to engine manual				

## BREAKDOWNS AND SOLUTIONS

PROBLEME	CAUSE	SOLUTIONS
Engine does not start	No fuel	Refuel the tank
	Safety switches are working	Check brakes, blade clutch and seat and travel lever
The machine does not travel	Parking brake is locked	unlock parking brake
The machine does not stop	Travel lever is not on « N »	Move the travel lever to « N »
The blade does not rotate	Blade clutch lever is not engage	engage Blade clutch lever
	Safety switches are working	Check brakes, blade clutch and seat and travel lever

## TIGHTENING TORQUES (daNm)

DIAMETER OF THE SCREW (mm)	Marks on the headscrew				
	4 or without mark	7	8	9	11
3	0,3 to 0,5	---	---	---	---
4	0,8 to 1,0	---	---	---	---
5	2,5 to 3,4	5,4 to 6,4	6,4 to 7,4	6,4 to 7,4	8,8 to 9,8
6	4,9 to 6,9	9,8 to 11,8	11,8 to 13,7	11,8 to 13,7	14,7 to 16,7
8	11,8 to 16,7	24,5 to 29,4	29,4 to 34,3	34,3 to 36,2	36,3 to 41,2
10	20,6 to 29,4	39,2 to 44,1	49 to 53,9	49 to 53,9	72,6 to 82,4
12	44,1 to 53,9	83,4 to 93,2	93,2 to 107,9	93,2 to 107,9	122,6 to 137,3
14	63,7 to 78,5	117,7 to 132,4	132,4 to 147,1	147,1 to 166,7	205,9 to 225,6
16	88,3 to 107,9	152 to 171,6	176,5 to 196,1	215,8 to 245,2	313,8 to 343,2
18	117,7 to 137,3	205,9 to 235,4	245,2 to 274,6	313,8 to 343,2	441,3 to 470,7
20	147,1 to 166,71	235,4 to 274,6	313,8 to 353	441,3 to 480,5	617,8 to 657,1
22	176,5 to 205,9	421,7 to 451,1	539,4 to 578,6	608 to 647,2	843,4 to 882,6
24	235,4 to 264,8	539,4 to 568,8	706,1 to 745,3	784,5 to 823,8	1098,4 to 1137,6

## **EC CONFORMITY DECLARATION**


Business name and address of the manufacture: 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  
walk behind grassland mower

Designation :  
Mark : OREC  
Type : SH61  
Serial Identification :  
Engine :  
- Manufacturer : Kawasaki  
- type : FJ180V  
- Power : 3,1 kW  
Width of cut : 600 mm  
Conforms to directives: 2000/14/EC, 2006/42/EC, 2014/30/UE  
Conformity assesment : 2006/42/EC Annex VIII  
Measured acoustic power level : 96,8dB(A)  
Granted acoustic power level : 97 dB(A)  
Conformity assesment : 2000/14/EC Annex VIII  
Notified body n°0388 : Lloyd's Register Quality Assurance –  
71 fenchurch street London EC3S 4BS UK

Acoustic pressure level at operator's ears : 85,2dB(A)  
Harmonized standards used : EN 12733:2018, EN ISO 14982-2009,  
EN ISO 3744:2010, EN ISO 3746:2010,  
EN1032:2003+A1:2008, EN ISO 20643:2008+A1:2012

made at : Fukuoka, 3 August 2020

Signed : Haruhiko Imamura  
Function : Managing director



## **MEASUREMENT OF VIBRATIONS**

Mark : OREC  
Engine : FJ180V

Pick up location	Awp
Right side : 100 mm from external side of the handlebar	2,33 m/s <sup>2</sup>
Left side : 100 mm from external side of the handlebar	2,95 m/s <sup>2</sup>

## **EC CONFORMITY DECLARATION**

Business name and 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  
walk behind grassland mower

Designation :  
Mark : OREC  
Type : SH61H  
Serial Identification :  
Engine :  
- Manufacturer : Kawasaki  
- type : FJ180V  
- Power : 3,1 kW  
Width of cut : 600 mm  
Conforms to directives: 2000/14/EC, 2006/42/EC, 2014/30/UE  
Conformity assesment : 2006/42/EC Annex VIII  
Measured acoustic power level : 97 dB(A)  
Granted acoustic power level : 98 dB(A)  
Conformity assesment : 2000/14/EC Annex VIII  
Notified body : Lloyd's Register Quality Assurance –  
71 fenchurch street London EC3S 4BS UK

Acoustic pressure level at operator's ears : 85,2 dB(A)  
Harmonized standards used : EN 12733:2018, EN ISO 14982-2009,  
EN ISO 3744:2010, EN ISO 3746:2010,  
EN1032:2003+A1:2008, EN ISO 20643:2008+A1:2012

made at : Fukuoka, 3 August 2020

Signed : Haruhiko Imamura  
Function : Managing director



## **MEASUREMENT OF VIBRATIONS**

Mark : OREC  
Engine : FJ180V

Pick up location	Awp
Right side : 100 mm from external side of the handlebar	2,33 m/s <sup>2</sup>
Left side : 100 mm from external side of the handlebar	2,95 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 JAPON  
S.A.T. sarl - Force 7 – ZA –  
38110 ROCHETOIRIN France  
owner of the technical documents  
walk behind brush cutter

Designation :  
Mark : OREC  
Type : SH71H/71H(W)  
Serial Identification :  
Engine :  
- Manufacturer : HONDA  
- type : GXV390  
- Power : 7,6kW  
Width of work : 700 mm  
Conforms to directives: 2000/14/EC, 2006/42/EC, 2014/30/UE  
Conformity assesment : 2006/42/EC Annex VIII  
Measured acoustic power level : 102,5dB(A)  
Granted acoustic power level : 103db(A)  
Conformity assesment : 2000/14/EC Annex VIII  
Notified body : Lloyd's Register Quality Assurance –  
71 fenchurch street London EC3S 4BS UK

Acoustic pressure level at operator's ears : 88,5dB(A)  
Harmonized standards used : EN 12733:2018, EN ISO 14982-2009,  
EN ISO 3744:2010, EN ISO 3746:2010,  
EN1032:2003+A1:2008, EN ISO 20643:2008+A1:2012

made at : Fukuoka, 3 August 2020

Signed : Haruhiko Imamura  
Function : Managing director



## MEASUREMENT OF VIBRATIONS

Mark : OREC  
Engine : HONDA GXV390

Pick up location	Awp
Right side : 100 mm from external side of the handlebar	2,47 m/s <sup>2</sup>
Left side : 100 mm from external side of the handlebar	2,39 m/s <sup>2</sup>

