JETSURF

USER'S MANUAL

JETSURF ELECTRIC

For models:
JETSURF ELECTRIC - JE-A1

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1 INTRODUCTION

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Motosurfs were designed and manufactured by Motosurf World Cup and Formula 1 engineers to expand the boundaries of water sports.

Motosurf parts and components are manufactured by MSR Engines s.r.o. based in the Czech Republic. The company specializes in the development of internal combustion engines and specialized electronics.

Motosurfs are manufactured in a single factory that uses the highest standards of production technology as well as using only the best materials and components currently produced in the European Union. This comprehensive in-house production allows MSR Engines to achieve maximum production accuracy and efficiency. Since 2017, the manufacturer has held the ISO 9001 certificate.

Motosurfs have been developed with an exceptional effort to minimize the impact on the environment.

The information contained in this user's manual represents the latest product information at the time of printing. As MSR Engines is committed to continuous product improvement and technology development, MSR Engines reserves the right to make changes to the product, components, specifications or any other aspects of the Jetsurf motosurf without prior notice or request to equip previously manufactured Jetsurf motosurfs with such changes.

Current changes can be found on the Jetsurf website (***www.jetsurf.com***). Check the website regularly. This owner's or user's manual (the "User's Manual") cannot anticipate all the circumstances associated with owning or operating a motosurf. MSR Engines strongly recommends owners and users to regularly check the website of the Navigation Office (***www.plavebniurad.cz***) for the Czech Republic or relevant information of the Coast Guard and / or the body enforcing laws regarding the use of passenger crafts, with special regard to information concerning passenger crafts. Also check out the Jetsurf website (***www.jetsurf.com***) for updates and product information.

In some countries, a license is required to operate a craft or special regulations may apply.

1 INTRODUCTION

This manual is intended to help you operate your motosurf easily and safely. It contains a detailed description of the motosurf and its supplied or permanently installed equipment, information on their operation and maintenance. Please read it carefully and familiarize yourself with the craft before using it.

Do not use the Jetsurf unless the expected weather conditions (wind force and wave height) correspond to the design category of your motosurf (see Chapter 14) because you will not be able to operate the craft safely in these conditions.

This user manual is not a detailed guide to maintenance or repair. In case of any problems, contact an authorized motosurf dealer or manufacturer. You have access to maintenance instructions, follow them when maintaining your motosurf.

Maintenance, repairs and modifications of the motosurf must always be performed by trained and qualified persons. Modifications that may affect the safety characteristics of the motosurf must be verified, performed and documented by a competent person. The motosurf manufacturer cannot be held responsible for modifications that have not approved by themselves.

Always properly maintain your motosurf and anticipate the deterioration of its condition that comes with time and as a result of heavy usage or mishandling.

Every motosurf, regardless of its resistance, can be severely damaged if not used properly. This is incompatible with safe navigation. Always adjust the speed and course of the craft to the weather conditions (wind strength and wave height).

The person operating the motosurf must have suitable flotation aids described in chapter 3.6. in this manual. It should be noted that in some countries the law requires the wearing of buoyancy aids in any handling and use of motosurfs, so it is necessary to comply with their national laws.

PLEASE KEEP THIS MANUAL IN A SAFE PLACE AND GIVE IT TO THE NEW OWNER IF YOU DECIDE TO SELL THE CRAFT.

2 IDENTIFICATION AND WARNING LABELS

2.1. MOTOSURF IDENTIFICATION LABEL



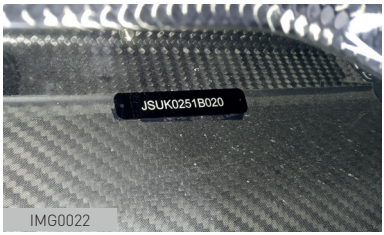
IMG0001A

- The craft's hull identification number is located on the starboard side near the stern.

CZ-MSR123ABC123

- for the US:

JSU123ABC123



IMG0022

- The identification number can also be found on the label in the motor compartment.



IMG0021

- Please read the following warnings before using this craft. If you have any questions, consult your Jetsurf dealer.

2.2. WARNINGS

1 - The MSR1219 / ED sticker is located on the bottom of the battery.
2 - The MSR04230 / D1 sticker is located on the top of the battery.
3 - The MSR05210 / D2 sticker is placed in the battery compartment.
4 - The Class 9 Lithium Batteries sticker is needed to mark the battery box for air transport.
5 - The Cargo Aircraft Only sticker is needed to mark the box with the battery for air transport.

1


WARNING
Li-ion
Read the manual!
HIGH VOLTAGE. DO NOT OPEN. NO USER SERVICEABLE PARTS INSIDE.
• Never attempt to disassemble, modify, alter, change or oprate on this battery pack. Use this battery pack only for its intended purpose.
• Do not dispose of this battery pack. Recycling or disposal of lithium-ion batteries requires specialized facilities.
• Do not subject to impact, shock or physical damage.
• Do not expose to fire or temperatures above 60°C / 140°F.
• Do not expose to direct sunlight.
• Do not leave this battery unattended while charging. Only charge with approved charging equipment.
• Do not handle this battery and electronics with wet hands.
• Do not drop this battery.
• Inspect this battery before every use. Do not use this battery if you believe it is damaged. Damage to the battery may result in a fire.
• Do not connect this battery or any electronics while in the water. Assemble all items on shore in a dry environment.
• Transport this battery pack in accordance with all applicable laws.
FAILURE TO COMPLY WITH THESE MARKINGS MAY RESULT IN ELECTRIC SHOCK, ARC FLASH, FIRE, SERIOUS INJURY OR DEATH.
Storage Temperature 10°C ~ 30°C / 50°F ~ 86°F
Charging Temperature 10°C ~ 30°C / 50°F ~ 86°F
CE
Serial Number:
Nominal Voltage: 50,4V
Capacity: 2.9 kWh
JETSURF
MOTORIZED SURFBOARD
MSR 1219/ED

2

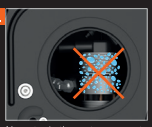

WARNING
REMOVE THE BATTERY AFTER EVERY RIDE!
ALARM INDICATES BATTERY INSIDE
MSR 04230/01

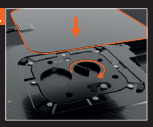
3

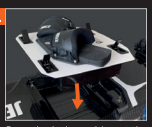
ATTENTION!

/ BEFORE RIDE /

1. 
Connector check.

2. 
No water in the motor compartment. Contact support if you find water.

3. 
Gently tighten lid and install the cover in.

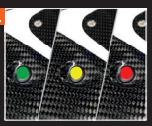
4. 
Open the locks and insert the battery.

/ RIDE /

5. 
Battery status is indicated by color of the diode.

- 100 - 75% battery
- 75 - 50% battery
- 50 - 25% battery
- 25 - 15% battery
- The flashing of the LED indicates 15 - 0% battery.

/ RIDE MODES /

6. 
Insert magnet once into signalisation to change the riding mode.

- low power
- medium power
- max power

/ BATTERY CHANGE /

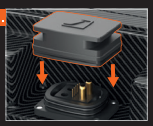
7. 
Board on side, let the water leak out.

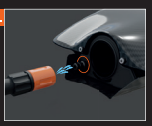
8. 
Change the batteries.

/ AFTER RIDE /

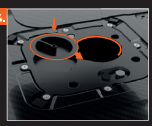
9. 
Board on side, let the water leak out.

10. 
Remove the battery.

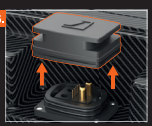
11. 
Cover the connector.

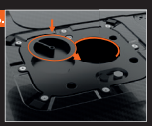
12. 
Flush the cooling system with fresh water.

13. 
Rinse entire board with fresh water.

14. 
Open the lid, leave it open.

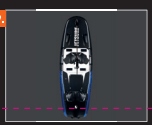
/ STORAGE /

15. 
Remove the connector cover.

16. 
Open the lid, leave it opened.

17. 
Lubricate the locks.

18. 
Lubricate the handle.

19. 
Store the board vertically.

Make periodic maintenance after every 30 hours of use or every 12 months by choosing any of the JETSURF Authorised Partners.

SUPPORT support@jetsurf.com

+420 773 751 679
(8:00-16:30 CET)

QR – how-to-maintain

4



5



3 SAFETY WARNINGS

PLEASE READ THIS USER MANUAL BEFORE USING YOUR JETSURF MOTORIZED SURF FOR THE FIRST TIME.

If any of the information is not completely clear to you before putting the motorized surfboard into operation, contact an authorized dealer who will provide you with further information and explanations. At Jetsurf, safety is paramount, and all owners and users need to pay equal attention to it.

This user manual cannot anticipate all the circumstances associated with the maintenance and operation of a motorized surfboard. It provides basic safety information and is not comprehensive. MSR Engines urges all owners and users to periodically review U.S. safety information. Coast Guard (***www.uscg.mil*** and ***www.uscgboating.org***)* and to monitor other websites and craft safety authorities that apply to the relevant areas / regions that should govern the operation of Jetsurf motorized surfboards.

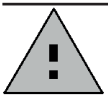
Safety warning symbols are used to alert you to a potential risk of injury. Follow all safety instructions that appear next to the symbols to prevent possible injury or death.



DANGER
Indicates a high risk of possible death or serious injury if safety precautions are not observed.



CAUTION
Indicates that there is a risk of injury or damage to the craft or to parts of the craft if safety precautions are not observed.



WARNING
It recalls safety principles or directly alerts you to dangerous activities that could cause injury or damage to the craft or to parts of the craft.



NOTE
Indicates comments or recommended procedures.

These warning icons appear throughout this user's manual.

3.1. DEFINITION

"Jetsurf" or "Motorized board", "motorized surfboard", abbreviated to "surfboard", "board", "craft", "surf" in this manual are interchangeable terms and means a craft that uses a built-in electric motor. The motor drives a jet pump, which is the primary source of propulsion. The Jetsurf is designed to be operated by a person ("rider" or "user") standing or kneeling on the board. The direction of the movement of the Jetsurf is controlled by the movement of the rider, the speed is controlled by the throttle control trigger located in the control handle.

* Applies to the USA.

3.2. COMMON SENSE



Warning
It is the responsibility of the owner and / or user to act in accordance with the safety-related rules set forth in this user manual and to regularly review the safety information provided by government agencies and local jurisdictions. Owners / users should always use common sense, whether the motor is running or at rest. Failure to follow these instructions could result in serious injury or death.

It is important for all owners and users to be prepared to maintain and operate a motorized surfboard responsibly and with common sense.

Riders are reminded that common sense should be the rule for all trips. Although some objects are visible above the surface and can be easily avoided, it is necessary to pay special attention to objects below the surface.

Common sense considerations are important for the safety of riders and users of other crafts, ships and passengers on board. Also, when using motorized surfboards, use common sense to keep the board in good condition for as long as possible.

MSR Engines cannot anticipate all types of activity or careless handling that could lead to death / injury or damage. The user accepts responsibility for the use of the motorized surfboard in a safe and reasonable manner. Special attention must be paid to the surroundings and accidents must be avoided in all circumstances.

Getting to know the operation of crafts in the waters where the motorized surf will be operated is extremely important.

Currents, especially strong currents, can affect the performance of motorized surfboards and endanger the safety of the user. Watch out for buoys and other markings.



Warning (Risk of injury)
All riders must wear a helmet, life jacket and leash when handling and riding under all circumstances to prevent serious injury or death in the event of an accident (see Chapter 3.5 for details).

3.3. BATTERY



Warning (Risk of injury)
There is a risk of electric shock when working on high-voltage components. Work on high-voltage components requires special training, qualifications and tools.

All work not described and explained in this manual should only be carried out by trained specialists (your authorized Jetsurf dealer will be happy to help you).

Do not interfere with the electric motor, battery or the internal motor compartment space of the surf. Any unauthorized intervention in the surf will lead to termination of the warranty.



Warning (Risk of injury)
Even when ready to ride, the motosurf is very quiet and therefore less observable for your surroundings.

Remove the battery from the board before working on the motosurf.

When carrying out work on the motosurf, make sure unauthorized persons don't have access to the surf.



Warning (Fire hazard)
Damaged lithium-ion batteries present a fire hazard. In the event of any mechanical damage, an internal short circuit between the cells can occur and subsequently self-ignite.

If the lithium-ion battery is damaged or overheated, place it in an area where nothing can ignite and contact your Jetsurf dealer immediately.

The battery must be under continuous supervision during charging.

Do not store or transport the surf with connected battery.

3.4. MOTOR PREPARATION



Warning (Risk of injury)
Touching any part of the motor while it is running, especially any part that is moving, can result in serious injury or death. If access to the motor is required for any reason, the motor must be switched off. The motor may become hot during operation and skin burns may occur if it is not allowed to cool before intervention.

3.5. CLOTHING



Warning (Risk of injury)
Persons in the vicinity of the moving parts of the motorized surfboard motor must take care of their safety so that their clothes or hair do not get caught into the moving parts, as this could result in injury.

Because the motor contains moving parts, owners / users should never wear loose clothing while the motor is running. Straps, buckles as well as the edges of fabric can become entangled in the moving parts of the Jetsurf.

Long hair should be arranged so that it cannot become entangled in the moving parts of the Jetsurf.

Internal injuries can occur near the nozzles due to water entering the body cavities. Ordinary swimwear does not sufficiently protect against forcible entry of water into the rectum or vagina. All riders must wear at least the lower part of the neoprene or any other clothing that provides the same protection. It is recommended to wear shoes, gloves and goggles.

Helmets are mandatory items of safety equipment and must be worn throughout use. Users (even experienced riders) are expected to fall off the motorized surf from time to time. Helmets provide protection in case the user hits his head on the surf. Helmets should be made to be worn in water to fit well and be relatively light. The manufacturer of MSR Engines makes no

statements or promises regarding protection, including that provided by helmets.

The use of a safety cord (leash) on the arm or leg is mandatory and must always be used when using Jetsurf.

3.6. PERSONAL FLOATATION DEVICE (PFD)

It is the responsibility of the owner / user to comply with all laws, statutes and personal safety requirements. The European Union standard ISO 12402-3: 2020 specifies the requirements for life jackets for adults and children when used at sea or in waves. U.S. federal law in most cases requires the wearing of personal flotation devices (PFDs) approved by U.S. Pat. Coast Guard*. State and local laws and statutes may differ from federal requirements.

As Jetsurf motorized surfboards are generally defined as passenger crafts, it is essential that all users contact local authorities for any information regarding the use of safety accessories. MSR Engines assumes no responsibility for users' actions that do not comply with applicable laws that apply to the use of passenger crafts in each specific location.

Authorized Jetsurf dealers can assist owners and users to ensure proper equipment in accordance with the conditions and laws of the country.

3.7. LAW ENFORCEMENT

At full capacity, users may be asked to stop surfing and allow the U.S. Coast Guard* or state law enforcement personnel to stop by the side of the craft. Some countries, states, and jurisdictions may require a certain minimum age for motorized surfing, training, and / or user license ownership. Requirements vary widely. Where access is allowed to minors, such surfing should only be performed under the supervision of an adult.

Every year review the legal requirements and safe operation of motorized surfboard.

3.8. UNDER THE INFLUENCE OF ALCOHOL OR DRUGS

Under no circumstances should a rider on a motorized surfboard be under the influence of alcohol or drugs, including prescription drugs, which have potentially disorienting side effects. It can be as dangerous as driving a car in a similar situation!

3.9. REGISTRATION

In many jurisdictions, it will not be necessary to register a motorized surfboard for the main purpose of use. However, because the surf is motorized, registration may be required. Before using your board for the first time, contact your local government office in the area where your motorized surfboard will be used the most.

3.10. EXCEEDED SPEED / NOISE

Some areas have speed limitations due to wave generation and maximum noise.

Users of motorized surfboards are obliged to comply with these requirements.

* Applies to the USA.

3.11. ELECTRONIC DEVICES

Operating a motorized surfboard requires your full attention. MSR Engines strongly recommends leaving mobile phones (including waterproof models), radios, and other devices on land while you ride. Distractions can potentially lead to accidents.

3.12. JUMPING WITH JETSURF

NEVER jump with a motorized surfboard! Damage caused by improper use of Jetsurf (such as jumps) is not covered by the warranty.

3.13. REPORTING ACCIDENTS AND INSURANCE

Most laws require the reporting of accidents in which:

- A person dies
- A person disappears from the craft in a situation that could result in death or serious injury.
- A person is injured and needs medical attention beyond first aid.
- Damage occurred to the craft and / or property in excess of the statutory amount. The total amount may be lower in some jurisdictions and it is the responsibility of the owner / user to verify the amount.
- The motorized surfboard is destroyed.

In any case where other craft or persons find themselves in distress, motorized surfboard users are required by law to provide assistance, provided that this would not endanger the motorized surfboard user himself.

The owner of a motorized surfboard is generally responsible for damage or injury that may occur when another person uses the motorized surfboard. Owners must not allow any other person to use Jetsurf without prior instruction on its proper use and the risks involved. Owners are strongly advised to obtain appropriate liability insurance and property insurance in case of possible court decisions in these cases. Theft and damage that occur on the mainland are other reasons for insurance.

3.14. WASTE AND POLLUTION

The U.S. Coast Guard* and / or any other competent authority managing the areas where Jetsurf is used provides detailed information on waste disposal. In general, waste, including biodegradable waste, must be disposed of properly on shore.

If the user has the impression that the surfboard is leaking substances that could contaminate the water during its operation, we recommend presenting the surfboard to an authorized Jetsurf dealer for repair. Pollution laws and regulations are strict in most areas.

* Applies to the USA.

3.15. OTHER SECURITY ISSUES

Riders should:

- Be at least sixteen (16) years of age or at the minimum age required in the jurisdiction in which the motorized surfboard is being operated. Motorized surfboards were designed for adults.
- Wear suitable protective equipment, especially a helmet, life jacket and leash.
- Ensure that the motorized surfboard is in excellent condition and at the same time as well prepared as possible for operation. Make sure the battery is functional and well charged so that you do not get stuck far from shore.
- Avoid operation in bad weather, including, but not limited to, strong winds, rain with reduced visibility, warnings of the threat of impending dangerous weather, high waves, or any weather in which the rider feels uncomfortable overall.
- Do not use motorized surfboards if the air temperature is below 10 °C (50 °F).
- Avoid continuous operation in water that is too shallow or brackish. The motorized surfboard motor is powered by a jet pump, algae and other plants can lead to clogging of the cooling intake. If you suspect that contaminants or small objects have entered the cooling system (the flow of water flowing out of the water outlet of the cooling system decreases or the water stops flowing completely), stop immediately and perform routine maintenance by cleaning the cooling system.
- Maintain speed and riding style that allow riders to avoid collisions with objects (above and below the waterline), buoys, landing docks, shore and other crafts.
- Know and apply navigation rules and regulations.
- Ride on a motorized surfboard alone. The motorized surfboard is designed for one (1) person weighing up to 100 kg.
- Never exceed the maximum specified load capacity.
- Maintain a line of sight, which means that there should never be another person directly in front of you while riding.
- Do not use motorized surfboard to transport things. It is essential that the rider maintains control of the motorized surfboard with the throttle control trigger. The rider should never be distracted and should have full control of the motorized surfboard.
- Always have a shut-off key and a cord with a paracord bracelet attached around the wrist. When the rider falls, the contact with the control handle disconnects and the motor stops immediately.

3.16. SAFE WATER OPERATION

Laws, rules, regulations and how to enforce them have been developed around the world to ensure the safe and proper operation of all crafts. It is the responsibility of the owner and / or user to familiarize themselves with all applicable regulations of the authorities managing the waters in which the motorized surfboard will be operated. Information for users in the Czech Republic can be found on the website:

- ***www.plavebniurad.cz***

Information for users in the United States can be found at:

- ***www.uscg.boating.org***

Information for users in Canada can be found at:

- ***www.tc.gc.ca/eng/marinesafety/menu.htm***

Other countries have their own laws or participate in international rules. Always check the markings and rules that apply to any water areas where operation will occur.

3.17. GENERAL CAUTION RULE

Rule 2 of the International Regulations states: "In the application and interpretation of these rules, account shall be taken of all safety aspects of navigation and collisions and of any special circumstances which may cause a departure from the above rules in order to avoid imminent danger."

3.18. GENERAL RULES

Always use common sense when encountering other crafts. Motorized surfboard is considered a motorized craft and is expected to give right of way to crafts that have less maneuverability. A non-priority craft is obliged to take correct and timely measures to stay out of the route of the craft which has the right of way. Under normal circumstances, a non-priority craft should not enter the path of a priority craft. Always move in such a way that the preferred craft can record your maneuver.

If you encounter another motorized craft, there are three (3) main situations to help you avoid a collision:

- Encounters (ie approaching another craft head-on);
- Crossing (ie crossing the path of another craft);
- Overtaking (ie overtaking or being overtaken by another craft).

When encountering another craft head-on with the risk of a collision, neither craft has the right of way. Both crafts must change course to avoid an accident. Keep the other craft on the port side (on the left side) if it is not possible to avoid each other by keeping course.

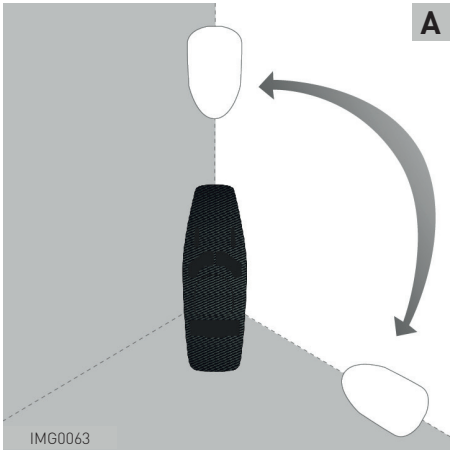
When two (2) motorized crafts cross paths with a risk of collision, the craft that sees the other craft crossing the path on the starboard side (on the right side) must give way.

When overtaking, you have priority. The other craft is expected to maintain course and speed. Avoid him when overtaking. When overtaking another craft, maintain course and speed so that the overtaking craft can avoid you.

When you are about to turn on the water, blow a long whistle for four (4) to six (6) seconds. Be careful regardless if you hear an answer or not.

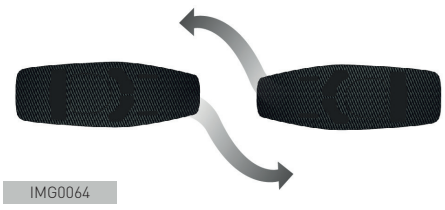
Under normal operating situations, standing fishing boats and sailboats (at rest or in motion) have right of way in driving.

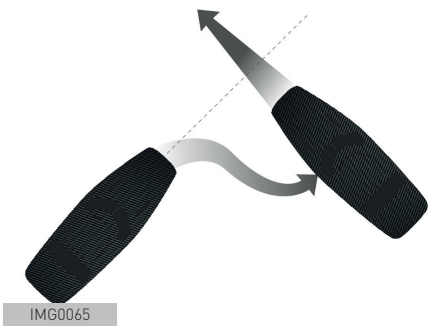
Always learn beforehand and pay attention to buoys and other markings. A unified state waterway marking system was designed for internal waterways in the United States. Markings may vary depending on geographical location. Always consult the relevant authorities before using motorized surfboard in unknown waters.



ENCOUNTERS

When two crafts approach each other on the water, one craft has priority in the voyage and is referred to as the "priority craft". The second craft must give way to the first or give way and is referred to as the "Craft which gives way". To illustrate: in the picture **(A)** you are the Jetsurf in the middle. You are required to give way to any craft in the white field (you are a "craft which gives way"). Any craft in a darker area must give way to you (you are a "priority craft"). If you are both pointing directly at each other, figure **(B)**, you both need to make way. You should turn right to keep the approaching craft on the left or port side. This rule does not apply if the crafts will avoid each other if you continue at the set course and speed.





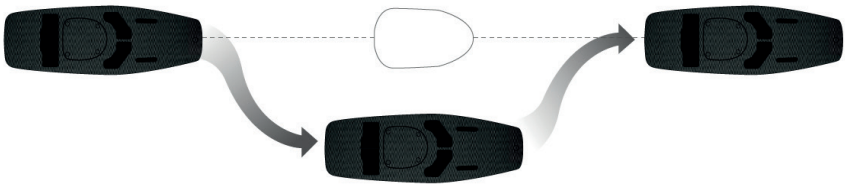
CROSSING

If you and another craft cross at such a distance that there is a risk of a collision and the other craft is on your starboard side, you must avoid it or stay out of its way. If the other ship is on your port side (left side), keep the same course and speed until the other ship avoids you according to the rules.

OVERTAKING

When overtaking another craft, you are the "priority craft".

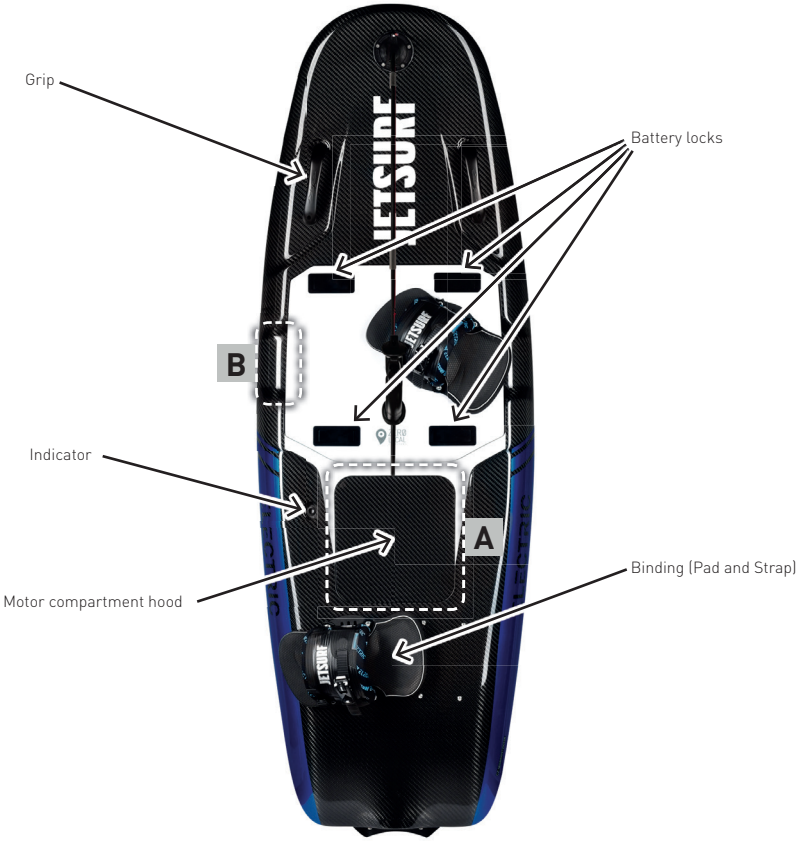
The other craft is expected to maintain course and speed, and you are required to stay off course until you overtake it. In the event that another craft overtakes you, you should maintain your direction and speed so that the overtaking craft can safely bypass you.



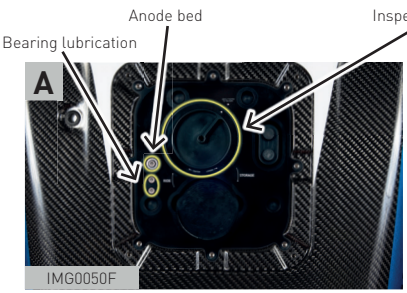
IMG0066

MSR Engines cannot anticipate every situation that may arise while driving. The information we provide here is general and may not apply in the area where you ride a motorized surfboard. Always carry out a thorough inspection with emphasis on safety during preparation and planning.

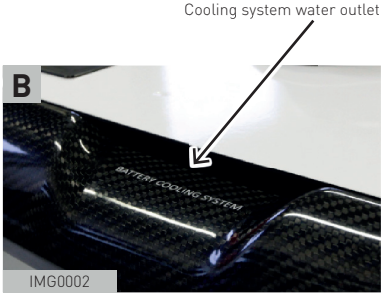
4.1. JETSURF ELECTRIC DESCRIPTION



IMG0023



IMG0050F

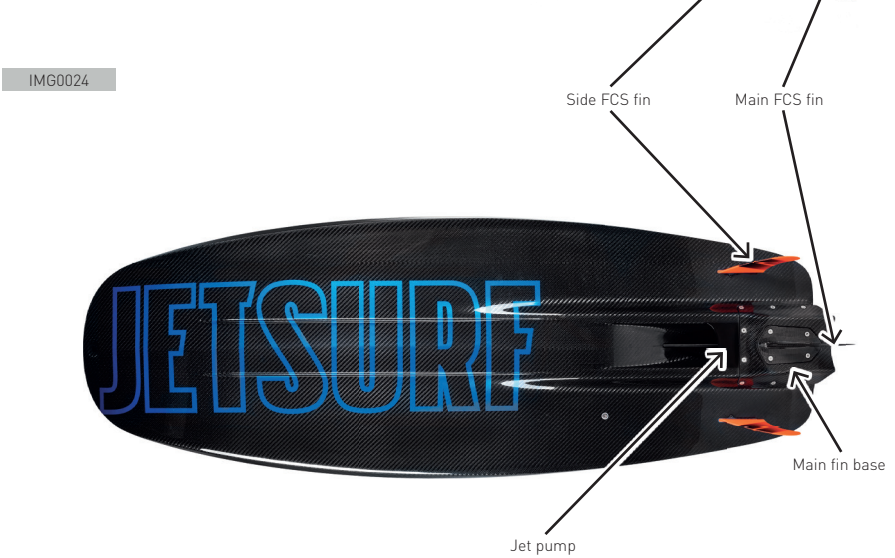


IMG0002

4 OVERVIEW OF THE CRAFT

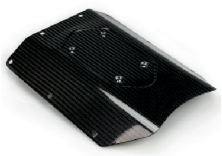


IMG0024



IMG0025

Main fin base



IMG0003

Main fin FCS plug



IMG0068

Main FCS fin



IMG0067

Side FCS fin



IMG0026

4.2. STANDARD EQUIPMENT

ITEM	CODE	AMOUNT
Jetsurf ELECTRIC battery  pg. 29	A001350	1
FCS II Performer Black Medium - Side fin  pg. 45	R06Z083	2
Jetsurf ELECTRIC user's manual	-	1
Jetsurf ELECTRIC Charger  pg. 35	POA1752	1
Tool kit ELECTRIC	POA0185	1
Novoleen super 32 L1060 - Throttle control cord	P006034	1
Battery Bag ELECTRIC	POP0254	1
JetSurf ELECTRIC charger bag	POP0255	1
Stand case ELECTRIC	-	1
Main fin FCS plug	P015525	1
FCS II Connect GF 7" - Main fin  pg. 46	R06Z082	1
Wheels for bags	A001346	1
Standard Board Bag	POP0235	1
Stand ELECTRIC  pg. 44	A001822	1
Screw DIN 7991 M6x12 A4-80	P011857	12
Small technical certificate	P007808	1
Large technical certificate	P007807	1
Drain plug  pg. 63	P014507	2
Main fin base edge protection	POP0234	1
Shipping case for fins	-	1
Foam protection for the rear part of the board	-	1

WHEN ORDERING TRANSPORT BY AIRCRAFT:		
ITEM	**CODE**	**POČET**
GORE Protectvive Vent (PMF100585)	P013074	1
Connector cover with ventilation  pg. 32	P014322	1

TOOL KIT ELECTRIC:		
ITEM	**CODE**	**AMOUNT**
Tool bag	-	1
Engine shut-off key pg. 25	A000351	2
Allen key SW 4,0	P006291	1
O-ring 5 x 2 NBR	POP0267	2
O-ring 10,78 x 2,62 NBR	P015097	2
O-ring 58 x 2,5 NBR	P013963	2
Board cleaning attachment	P014339	1
Allen key 6mm L-shape 140 mm	R06Z022	1

5.1. CONTROL HANDLE

Jetsurf ELECTRIC is controlled by a control handle that regulates the motor speed. Along with the handle, a magnetic shut-off key with a paracord bracelet is also supplied, which is used to activate the Jetsurf.

Warning (Risk of injury)
The ignition key must be securely fastened around the rider's wrist during operation using the paracord wristband. If the rider falls off the motosurf, the key is removed from the switch socket of the control handle and the motor is automatically switched off.



IMG0006A

1 - Control handle socket
2 - Throttle control trigger
3 - Shut-off key with paracord bracelet

Note
The throttle control trigger is located on the control handle, at the end of the throttle cable. Jetsurf recommends controlling the throttle with the index finger. Press the trigger to increase the power, release the trigger to decrease the power.

BOOSTER



IMG0033A

- The Jetsurf ELECTRIC control handle has a Booster function, which is activated when the throttle control trigger fully depressed and provides the user with maximum electric motor power.
- Booster can be used for up to 6 seconds after which the board returns to initial value.
- To use the Booster again, the Throttle control trigger must be in the standard (non booster) position for at least 10 seconds.

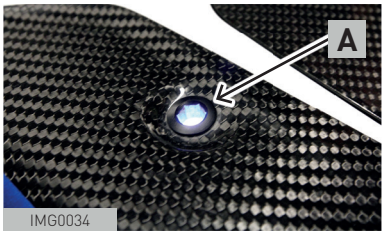
Note
Booster is activable only for the motor's highest power mode (Red indicator light) and only if the battery is charged to more than 50% capacity.

Slow blinking light of indicator during the ride signals Booster availability. If the light is on, the Booster is not useable at that moment due to following reasons:

- Booster has just been used and rider needs to wait for it's reactivation
- Battery power is bellow 50% capacity.
- Battery is overheated.
- Battery cells are unballanced.

5.2. INDICATOR

Jetsurf ELECTRIC is equipped with an indicator that signals all states and errors of the motosurf, the signaling of which is necessary for the safe operation of this device. The indicator **(A)** has the following functions:



Signalization:

- Indicates battery status
- Indicates the ECU errors
- Indicates currently set riding mode.

Controls:

- Brief application of the shut-off key to the indicator changes the riding mode.
- Long application of the shut -off key to the indicator turns off the surf and enables for safe battery removal.

5.3. CONTROL UNIT SIGNALIZATION

INDICATOR COLOR	STATE OF JETSURF	SIGNALIZATION STATUS
Red	After inserting the battery into the board.	Initialization of communication between battery and board.
Green	After removing the shut-off key from the control handle (Jetsurf remains in this state for 2 hours, then the Jetsurf switches off) (Standby state).	Motor power is set to 6 kW.
Orange		Motor power is set to 9 kW.
Red		Motor power is set to 11 kW.
Fast flashing white	After attaching the shut-off key to the indicator.	Deactivation of Jetsurf electronics.

5.4. BATTERY STATUS SIGNALIZATION

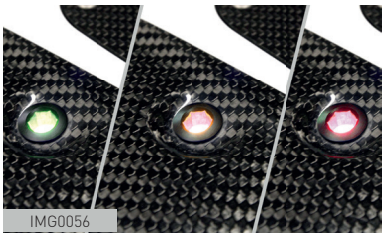
INDICATION COLOR	STATE OF JETSURF	SIGNALIZATION STATUS
Green	After the second insertion of the shut-off key into the control handle. In this state, the engine responds to the throttle position of the control handle (Active state).	100% - 75% capacity.
Blue		75% - 50% capacity.
Orange		50% - 25% capacity.
Red		25% - 15% capacity.
Blinking red		15% - 0% capacity.

Note
The indicator signals the riding mode when the shut-off key is removed from the control handle. If the shut-off key is inserted into the control handle, the indicator signals the battery status.

5.5. PERFORMANCE ADJUSTMENT

A shut-off key is required to adjust the motor power.

The motor power is set after inserting the battery into the board. After the battery is placed in the board, briefly insert the shut-off key into the control hadle socket, then pull out the key and place it into the indicator socket. Change of power modes will be indicated by a short acustic signal and by the changing color of the indicator:



- Green (1x ping) - 6 kW Motor power
- Orange (2x pings)- 9 kW Motor power
- Red (3x pings) - 11 kW Motor power

After removing the ignition key from the indicator, the power is set according to the last lit color of the indicator.

After removing the battery, the selected motor power is reset to the standard setting of 9 kW (orange).

Note
The motor's power can be reduced due to external factors such as high temperature of motor, regulator or battery. If the issue persists even after cooling down and reinserting the battery, please contact an authorized service center.

5.6. CONTROL UNIT ERROR SIGNALIZATION



Note
Error signalization may vary depending on product version. In case of any uncertainties, please contact an authorized dealer or technical support.

INDICATOR COLOR	SIGNALED ERROR
1x long red, 1x short red	Battery Management System Error - BMS.
Blinking orange	Motor regulator error.
Fast blinking red (with acoustic warning)	Control handle or indicator error.

5.7. ERROR EVALUATION OF THE CONTROL UNIT

1x long red, 1x short red - Battery management system error - BMS:

The battery is depleted below the usable level and only the 12 V power supply for the board's electronics is active - the battery management system is switched off. In this state, the battery can be charged using the Recovery charging mode.

If the battery is not depleted, the error may be caused by a mechanically damaged battery connector or there may be a problem with the control unit. In these cases, contact an authorized service center.

Blinking orange - Motor regulator error:

This error may occur when the regulator or motor overheats. Allow the surf to cool down before using it again.

The error can also occur if the regulator or motor are mechanically damaged. In both cases, contact an authorized service center.

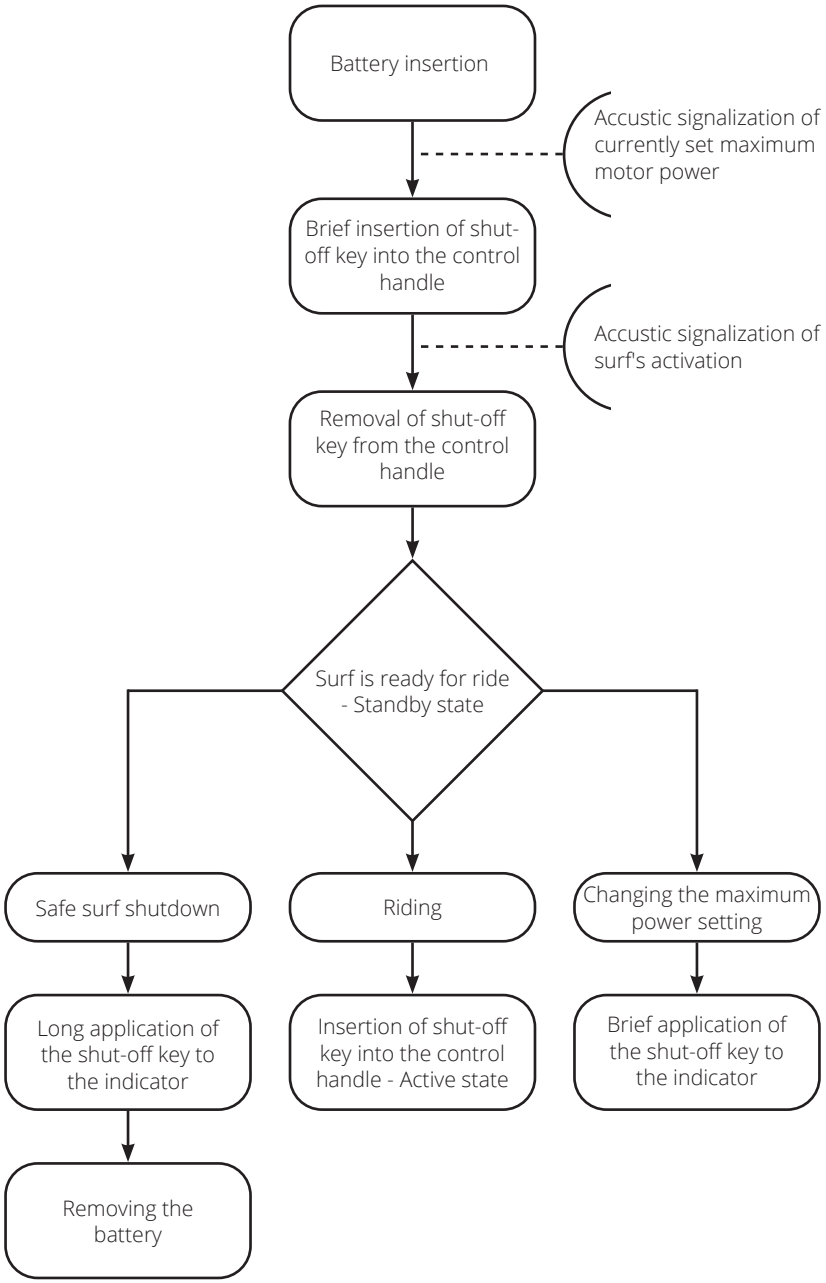
Fast blinking red (with acoustic warning) - Control handle or indicator error:

The error appears if the throttle control trigger is not in the neutral position during the activation of the surf. Activate the surfboard exclusively without pulling the throttle control trigger.

If the error occurs without the throttle control trigger being pressed by the user, control handle's wiring or indicator may be faulty. This error is accompanied by an acoustic warning.

In this case, please contact an authorized service center.

5.7. SURF'S CONTROL CHART



6 BATTERY AND CHARGING

Warning (Risk of injury)
There is a risk of electric shock when working on high-voltage components. Work on high-voltage components requires special training, qualifications and tools.

Work that is not described and explained may only be carried out by trained experts from authorized Jetsurf service centers. Your authorized Jetsurf dealer will be happy to help you.

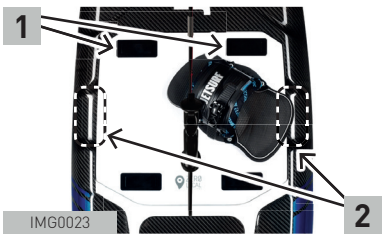
Do not open the electric motor or the battery.

Warning (Danger to the environment)
The components and contents of the lithium-ion battery are harmful to the environment.

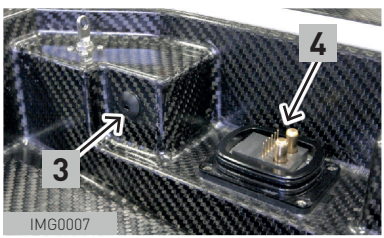
Under no circumstances should the battery be disposed of with household waste.

Dispose of the battery properly and in accordance with applicable regulations. Your authorized Jetsurf dealer will be happy to help you.

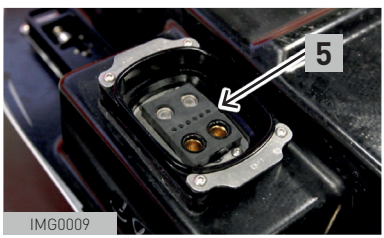
6.1. BATTERY DESCRIPTION



1 - Battery locks (x4)
2 - Cooling water outlets (x2)



3 - Cooling water outlet
4 - Battery plug



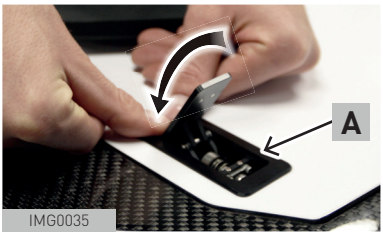
5 - Battery socket

6.2. INSERTING THE BATTERY

Notice
The battery is very heavy. Make sure no one is injured when inserting or removing.

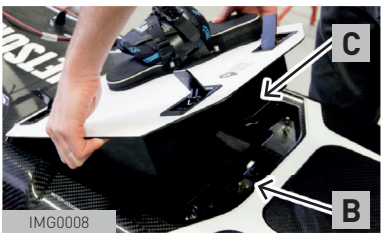
Warning (Material Damage)
Before inserting the battery, check that the battery plug on the board and the battery socket are clean. If the battery socket or plug is dirty, carefully clean it without water and without compressed air.

Before inserting, always make sure that the battery is mechanically undamaged (eg cracks, scratches, or a damaged connector).



IMG0035

- Make sure all 4 (four) locks **(A)** on the battery are unlocked.

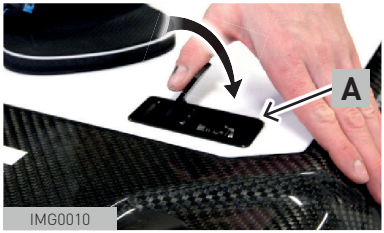


IMG0008

- Place the battery in the Jetsurf ELECTRIC so that the battery plug **(B)** and the battery socket **(C)** are opposite each other (as shown in the figure).


IMG0036

- Push the battery down.

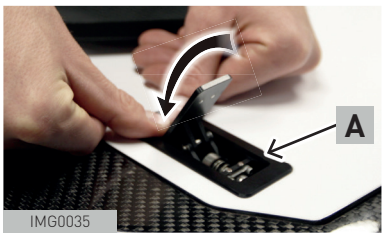


- Secure the battery with all 4 (four) locks **(A)**.

Warning (Risk of injury)
Never insert the magnetic shut-off key into the control handle socket unless all the locks on the battery have been secured.

6.3. REMOVING THE BATTERY

Warning (Material damage)
Before removing the battery after riding, be sure to drain any residual water from the cooling system. The presence of this water in the cooling system can result in permanent damage to the battery, connector and controller.



- Unlock all 4 (four) locks **(A)** on the battery.

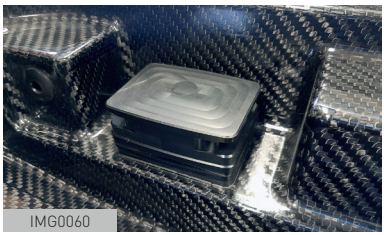


- Remove the battery.

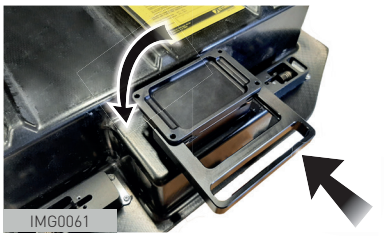
Note
The Jetsurf ELECTRIC battery is very heavy. Another person can help you with handling the battery.

6.4. PROTECTION OF THE SOCKET AND PLUG AGAINST DAMAGE

Warning (Material Damage)
The plug and socket cover must always be attached to the connector after removing the battery. Failure to do so may damage the battery and the board's electronic equipment.


IMG0060

- Place the plug cover.


IMG0061

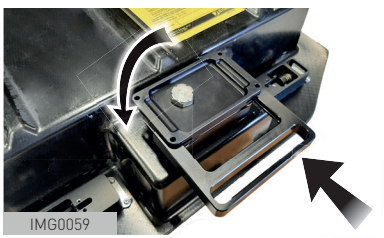
- Place the battery socket cover. Then secure it with the battery connector lock.

6.5. SECURING THE BATTERY BEFORE TRANSPORT

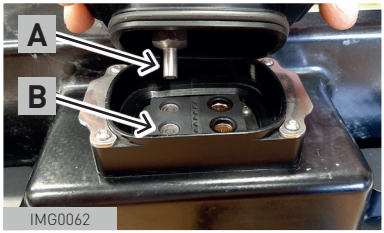


IMG0049

- Each Jetsurf ELECTRIC battery is supplied with a battery bag. This case is intended for safe storage or charging of the battery.


IMG0059

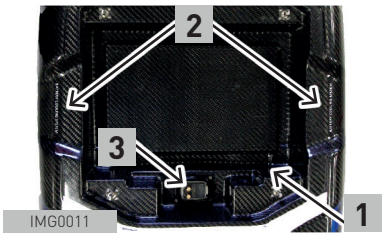
- During air transport, the battery connector must be secured with the connector cover with ventilation. This cover ensures that the air pressure in the battery is stable throughout the flight. Be sure to secure the cover with the battery connector lock.



- When using the connector cover with ventilation, make sure that the nozzle **(A)** leading to the battery must be connected to the vent connector **(B)**.

Note
The connector cover with ventilation is shipped with the board only if the board has been delivered by air. The connector cover with ventilation can be purchased from an authorized Jetsurf dealer.

6.6. BATTERY COOLING SYSTEM



1 - Battery cooling nozzle
2 - Cooling system water outlet
3 - Battery plug

Warning (Material Damage)
The battery is cooled by water flowing around the battery and thus cooling it. It is important to check the cleanliness of the cooling system water outlet (2).

When riding a Jetsurf ELECTRIC, visually check the correct operation of the cooling system. Water should flow continuously out of the cooling system water outlet (2). If you do not see the water, stop riding immediately and inspect the craft.



- If the motosurf has been operated in salt or brackish water, attach the garden hose to the motor cooling outlet **(A)** and pour fresh clean water over it to allow the salt to escape from the cooling system.

Warning (Material Damage)
Don't forget to put the connector cover on the Jetsurf ELECTRIC before washing the battery compartment.

6.7. CHARGING



Warning (Risk of injury)
There is a risk of electric shock in a wet environment. The charger is not waterproof. Also make sure that there are no flammable objects within 2 meters of the battery and charger

Only use the charger in a dry environment.

Make sure that no liquids are spilling or dripping on the charger.

The battery must not be charged near flammable materials.

The battery must be supervised when being charged.



Warning (Risk of injury)
Improper use of the charger does not guarantee its own safety. The charger is only intended for use with a Jetsurf ELECTRIC battery.

Use the charger only with a Jetsurf ELECTRIC battery.

Use the charger only with household sockets with a protective conductor connected.

Do not use any additional adapters or extension cords.

In the US and countries with a 110 V mains supply, make sure that the circuit breakers are rated for 1500 W (14 A circuit breaker).

Always observe the valid safety instructions regarding the mains connection.



Warning (Risk of injury)
There is a risk of electric shock if the charger and cables are handled or damaged.

Do not make any changes to the charger or cables.

Under no circumstances open the charger cover.

Do not insert any objects into the charger cover from the outside.

Do not use the charger if the cable, connector, or any of its components are damaged or dirty.



Warning (Risk of injury)
The safety of the Jetsurf ELECTRIC battery is only guaranteed if the original charger is used. The battery may only be charged with the original charger.

Warning (Material Damage)
Charging at temperatures above 30 °C (86 °F) may cause the battery to overheat and be damaged.

Never charge the battery immediately after riding. Allow the battery to cool first.

The charger has sensitive electronics and must be handled with due care.

The charger may be damaged or destroyed by falls, shocks or other mechanical overloads.

When transporting the charger, make sure that the load is properly secured.

Damage caused by improper handling or incorrect transport is excluded from the warranty.

6.8. STANDARD CHARGER EQUIPMENT



IMG0027

1 - Charger
2 - 220 V Type E power cord (non-US delivery)
3 - 110 V Type B power cord (US delivery)
4 - Charging cable
5 - Charging connector cover

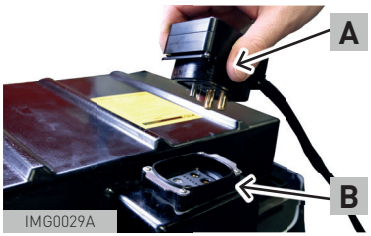
6.9. CONNECTING THE CHARGER AND STARTING THE CHARGING


IMG0028A

- Before each charge, check that the connector pins are not mechanically damaged or corroded.

Warning (Material Damage)
Do not use the charger if the pins are damaged. Contact an authorized service center.

When the charger is not connected to the charging connector, cover the pins with the connector cover to prevent damage.



IMG0029A

- Connect the charger to the power cable and to the 110/220 V mains.
- Insert the charger plug **(A)** into the battery socket **(B)**.

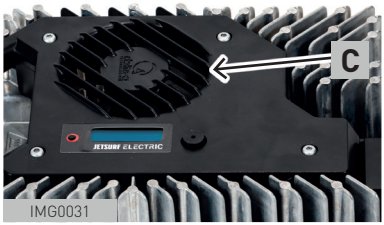
Note
Always connect the power cord to the mains first, then connect the charging cable to the battery.

Shortly after connection, you will hear the relay close (click). The charger display switches to the info panel showing the battery charge status.

If the charger audibly reports an error, the charger will automatically stop charging and prevent recharging until the charger is restarted (by unplugging it).


IMG0030A

- Secure the connector with a connector lock.

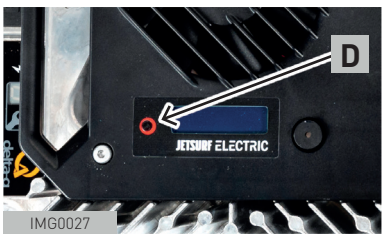


IMG0031

- Check that there is no obstacle near the cooling inlet of the charger **(C)**.

Warning (Material Damage)
Insufficient heat dissipation during charging may cause the charger to overheat and be damaged.

Charging starts automatically when the battery is checked.

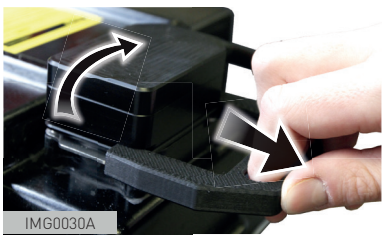


IMG0027

- Press the button next to the display **(D)** to change the type of information displayed on the charger.

The battery is fully charged when the display shows 100%.

6.10. DISCONNECTING THE CHARGER


IMG0030A

- Disconnect the charger from the mains.
- Remove the clip from the charging connector.
- Disconnect the charger from the battery.

Note
Charging can be interrupted before the battery is fully charged. In this case, follow the instructions as if the battery is fully charged.

6.11. INFORMATION DISPLAYED ON THE CHARGER DISPLAY



IMG0058

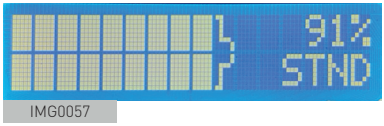
- When the charger is connected to the mains, the display lights up and after a while shows that it is ready for charging. At this point, it is possible to enter the charging mode setting by long pressing the button **(D)**. To change the mode, press the button briefly, long press to confirm the selected mode.

CHARGING MODES:

- Storage (STRG) - Charges the battery to 50%
- Travel (TRVL) - Charges the battery to 30%
- Standard (STND) - Charges the battery to 100%
- Recovery (RCVR) - Charging starts with decreased current, then switches to Standard mode.

Note
Use recovery mode in case when the battery cannot be charged with a Standard mode (Charger stops charging and signals high temperature in the battery cell error even if the battery is cold).

Note
Along with the charging modes, you can view the serial number of the charger, the hardware number and the firmware in this menu.



IMG0057

- When the charger is connected to the battery, the charger display changes to the info panel, where you can find out what percentage the battery is charged and which mode the charger is currently charging.

After a short press of the button **(D)** the info panel will show extended information:

- U - Battery voltage
- I - Charging current
- C - Battery capacity
- % - Percentage of battery charge

6.12. ACOUSTIC WARNING SIGNALS

The charger is equipped with an acoustic error indicator. The following errors can be signaled:

- 1x long tone, 1x short tone - High battery humidity (> 80%)
- 1x long tone, 2x short tone - High battery pressure (> 1400 hPa)
- 1x long tone, 3x short tone - High temperature in the battery cell (> 60 °C / 140 °F)
- 1x long tone, 4x short tone - High temperature of the charging cable (> 60 °C / 140 °F)
- 1x long tone, 5x short tone - High temperature battery management system - BMS (> 60 °C / 140 °F)

6.13. ERROR EVALUATION

1x long tone, 1x short tone - High humidity in the battery:

Water has entered the battery compartment (The battery is damaged). The battery is unusable in this condition, contact an authorized service center.

Make sure the battery is not warm to the touch. Store the battery in a cool place, away from flammable objects. Check the battery temperature every two hours for the first 24 hours, then every eight hours for the following days.

If the battery temperature rises even though the battery is in a cool place, we recommend that you cover the battery connectors with the connector transport cover and place the battery in a water tank. The battery and water must be monitored.

1x long tone, 2x short tone - High battery pressure:

The ventilation nozzle is clogged, or the battery electronics are damaged.

If the battery is warm to the touch, allow it to cool.

When the charging cable is connected, the pressure equalization system opens. If the battery inflates and the pressure does not drop after connecting to the charging cable, contact an authorized service center.

If the battery pressure has decreased (bulge has decreased), check the charging connector to see if the pressure balancing system connectors have been inserted into the connector.

1x long tone, 3x short tone - High temperature in the battery cell:

The battery cells are overheated. Store the battery in a cool place out of direct sunlight and wait until the battery has cooled down sufficiently.

Once the battery has cooled, you can continue charging. If the battery temperature rises even though the battery is in a cool place, we recommend that you cover the battery connectors with the connector transport cover and place the battery in a water tank. The battery and water must be monitored.

1x long tone, 4x short tone - High temperature of the charging cable:

The charging cable is overheated. Avoid charging in direct sunlight, store the battery in a cool place, and wait until the battery and cables have cooled down sufficiently.

Once the battery and cables have cooled, you can continue charging.

If the error occurs repeatedly, contact an authorized service center.

1x long tone, 5x short tone - High temperature battery management system - BMS:

The battery management system is overheated, disconnect the charger from the battery.

If the battery has been overheated during handling and storage in direct sunlight, store the battery in a cool place away from sunlight and wait for the battery to cool sufficiently.

Once the battery has cooled, you can continue charging.

If the error occurs repeatedly, even though the battery is not overheated, the battery management system is damaged, and the battery must not be used. Contact an authorized service center.

Item	Operation	Before every ride	After every ride	Every 10 EOH	Every 50 EOH	Every 100 EOH / 1 year
BOARD AND MOTOR COMPARTMENT						
Cooling	Cleanliness check  pg. 51	X				
	Cleaning  pg. 33		X			
Hull	Cleaning / rinsing  pg. 59		X			
Motor compartment	Check for water  pg. 50	X	X			
Screws and joints	Check tightness				X	
PROPULSION SYSTEM						
Jet pump	Inspection  pg. 51	X	X			
Central bearing housing	Lubrication  pg. 64			X		
BATTERY						
Battery	Capacity check  pg. 49	X				
	Charging  pg. 35	X	X			
Battery plug	Lubricant application  pg. 64			X		
Battery plug rubber	Inspection  pg. 50	X				
	Replacement  pg. 64			X		

Item	Operation	Before every ride	After every ride	Every 10 EOH	Every 50 EOH	Every 100 EOH / 1 year
PREVENTIVE INSPECTION						
Jetsurf ELECTRIC	Inspection					X

8 BEFORE RIDING

Warning (Danger of accident)
Before attempting the first ride without the supervision of an authorized dealer or Jetsurf trainer, make sure that you have read and understood the manual that comes with the Jetsurf ELECTRIC.

Familiarize yourself with the laws that apply to the waters where the motosurf will be operated.

8.1. BRIEF CHECKLIST BEFORE RIDING

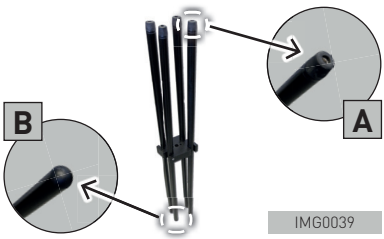
1 - Unscrew the inspection lid from motor compartment lid.
2 - Check that there is no water at the bottom of the motor compartment.
3 - Charge and insert the battery.
4 - Attach all fins (1x main fin, 2x side fin).
5 - Adjust the straps.
6 - Check the cleanliness of the Jet pump.
7 - Screw the inspection lid back into the motor compartment lid.

Note
It is required to unscrew the inspection lid from motor compartment lid before every battery insertion. If the battery is inserted to Jetsurf with the inspection lid closed, Jetsurf will not start and you will be reminded by an acustic signal. In this case, unscrew the inspection lid, wait for at least 10 seconds and then screw the lid back

8.2. STAND

Note
Every Jetsurf ELECTRIC comes with a lightweight stand. The use of a stand is recommended to keep the motorized surfboard above the ground and can be used for preparation, maintenance and cleaning.

SETTING UP THE STAND



- Align the bars. Rubber up **(A)**, plastic down **(B)**.


IMG0073

- Gently turn the bottom of the stand counterclockwise.


IMG0074

- Extend the opposite ends of the two rods at the top. The stand opens.

Warning (Material Damage)
Before placing the Jetsurf on the stand, make sure that all the feet of the stand are touching the ground and are on a solid surface so that the stand does not tip over.

After placing the board on the stand, make sure that the board rests stably on all legs of the stand.

8.3. SIDE FINS

Every Jetsurf ELECTRIC comes with two side fins (FCS II Performer Black Medium).

ATTACHING THE SIDE FINS


IMG0042

- Insert the fin into the opening and place the front fin tab in the front slot so that the hook in the tab hits the horizontal bar inside the groove.



IMG0043

- Snap the rear loop into the opening so that the locking mechanism in the opening clicks into the fin.
- Check that it is firmly attached, the fin should not move.
- Attach the second side fin in the same way.

Warning (Danger of accident)
It is strongly recommended to use all fins in all circumstances. This ensures maximum control over the movement of the motorized surfboard.

REMOVING THE SIDE FINS



IMG0044

- To remove the fin, grasp the fin and pull down and forward quickly.

8.4. MAIN FIN



IMG0069

- Screw the main fin FCS plug to the main fin base with four screws.

Note
Use the screwdriver that comes with the Jetsurf ELECTRIC



IMG0072

- Unscrew the locking screw from the main FCS fin plug.


IMG0070

- Insert the fin and slide to the edge.
- Place the other side in the plug until the locking mechanism clicks into place.



IMG0071

- Check that it is firmly attached, the fin should not move.
- Screw the locking screw back into the main fin flange.

Warning (Material Damage)
Do not transport the motosurf with the fins attached. The fins are not built to support the weight of motosurf on a hard surface.

Keep all fin screw holes clean, free of sand and other debris.

Screw the main fin screws into the fin base (without the main fin flange and main fin) during transport.

8.5. BINDINGS (STRAPS)


IMG0051

- Jetsurf ELECTRIC has a fully adjustable binding that can be tightened or loosened. Make sure the binding fits comfortably and is not too loose or too tight.

Warning (Material Damage)
Always use the screws that came with the board. Using another screw may result in irreversible damage to the battery and bindings.

8.6. BINDING ADJUSTER

Note
The binding adjuster is an above-standard equipment of Jetsurfs.

The binding adjuster is used to rotate and move the binding according to the customer's needs. The binding adjuster is only compatible with two-tap binding.

The binding adjuster contains:



IMG0079

1 - 2x Carbon binding adjuster - Top
2 - 2x Carbon binding adjuster - Bottom



IMG0076

3 - 4x screw M6x25
4 - 4x screw M6x20
5 - 4x screw M6x16
6 - 8x screw M6x12
7 - 8x washer M6.4
8 - 4x washer M6.4 for countersunk screw
9 - 8x nuts M6



IMG0077

10 - 1x Foam filler for the heel of the front foot
11 - 1x Foam filler for the front foot tip
12 - 1x Foam filler for the heel of the hind foot

INSTALLING THE BINDING ADJUSTER


IMG00AHA

- Screw the carbon binding adjuster - Bottom to the board using an 8x M6x12 screw (4 screws per binding).
- Use these screws to adjust the binding from- to the center of the board.



IMG00AIA

- Screw the binding to the carbon binding adjuster - Top with 4x M6x25 screw and 4x M6x20 screw (2x M6x25 and 2x M6x20 per binding).
- The shorter screw must be screwed closer to the heel of the foot, the longer screw at the toe.
- Secure each of the bolts with an M6.4 washer and an M6 nut.
- Glue the foam fillers to the underside of the binding.


IMG0077



IMG00AJA

- Connect the carbon adjuster - Top and carbon adjuster - Bottom using 4x M6x16 screw and 4x M6.4 washer for countersunk screw (2x M6x16 and 2x M6.4 per binding).
- Use these screws to rotate the binding around its axis.

Warning (Risk of injury)
After any handling of the bindings, make sure that all bolts are properly tightened to prevent them from loosening while riding.

8.7. BASIC MOTOSURF CHECK BEFORE RIDING

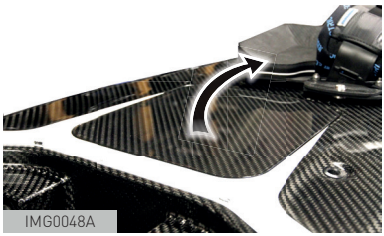
BATTERY CAPACITY CHECK

Jetsurf ELECTRIC indicates the battery status after activating the riding mode by illuminating the indicator with a color corresponding to the current battery status. To check the battery status, it is always necessary to activate the Jetsurf ELECTRIC in riding mode or connect the Jetsurf ELECTRIC battery to the charger, which indicates the battery status on the built-in display.

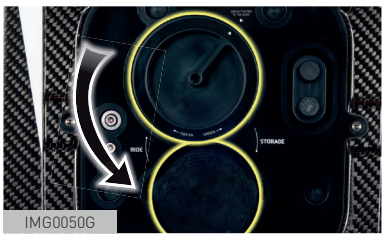
Warning (Risk of injury)
Always check the battery condition before riding.

CHECKING THE PRESENCE OF WATER IN THE MOTOR COMPARTMENT

Warning (Risk of injury)
To prevent possible electric shock, always remove the battery from your Jetsurf ELECTRIC before inspecting the motor compartment.


IMG0048A

- Remove the motor compartment cover.



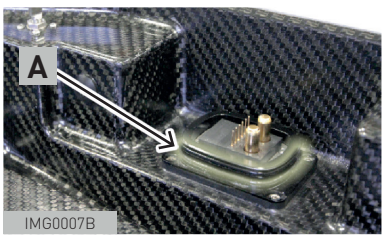
IMG0050G

- Open the inspection lid counterclockwise and place it in the storage slot.
- Check that there is no water at the bottom of the motor compartment.

Warning (Material Damage)
Never start riding if there is water at the bottom of the motor compartment and contact an authorized service center as soon as possible.

Note
If water gets into the motor compartment by standard ways, dry the water before you attempt another ride.

CHECKING THE BATTERY PLUG RUBBER



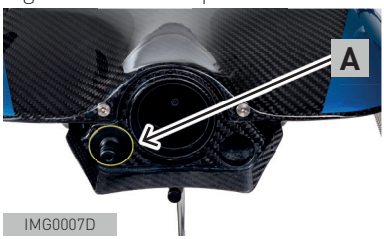
IMG0007B

- Before inserting the battery into the board, visually make sure that the rubber band around the battery plug **(A)** is intact and in place. The rubber band seals the connector against water and it is therefore essential that it be present while riding.

Warning (Material Damage)
If the rubber band is broken or completely missing, use a replacement rubber band from the standard equipment or contact an authorized service center.

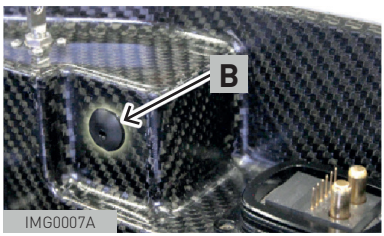
COOLING SYSTEM CLEANLINESS CHECK

When riding, it is very important that the heat produced by the electric motor, battery and regulator is well dissipated and that the components do not overheat.



IMG0007D

- Check the cooling system inlet **(A)**.

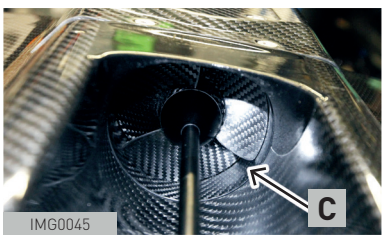


IMG0007A

- Check the cooling system outlet **(B)**.

Warning (Material Damage)
If the inlet / outlet of the cooling system is not clean, it must be cleaned and the entire cooling system must be flushed with fresh water.

JET PUMP CHECK



IMG0045

- Before riding, check the cleanliness and condition of the Jet pump **(C)**. Its condition can result in decreased performance of the motor board.

Warning (Risk of injury)
Under no circumstances insert your fingers or other objects into the Jet pump unless you are absolutely sure that the motor board is not switched off and without the possibility of starting!

9 DURING THE RIDE

9.1. SWITCHING ON THE CONTROL UNIT AND STARTING THE MOTOR



Warning (Risk of injury)
Keep your hands, feet and all parts of your body away from the inlets of all nozzles while the motor is running. Serious injury or death may result.

When starting Jetsurf, make sure that individuals (especially children) are at least 10 meters (33 feet) away from the Jet pump.

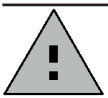
It is essential for the rider to release the control handle when he loses full control or balance while riding. Remove the shut-off key from the control handle socket to stop the motor immediately. Failure to remove the shut-off key from the control handle socket can result in serious injury or death.

Never use a motosurf in swimming areas.



Warning (Material Damage)
Do not leave the Jetsurf in direct sunlight or where its surface temperature may rise above 60 °C (140 °F). An increase in temperature can damage the Jetsurf.

Keep in mind that the Jetsurf is not intended or designed as a flotation device. Do not leave the motorized surfboard unattended or in the water without the motor running for a long time, there is a risk of it sinking.



Warning (Protective Aids)
Protective equipment must be worn throughout the journey to ensure the safety of both the rider and the craft as well as other persons around the craft:

- Helmet
- Life vest
- Safety cord for leg or arm (leash)

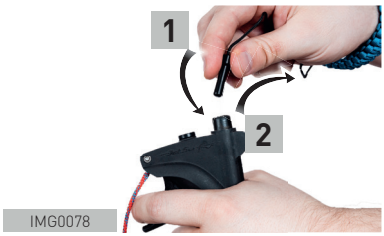


Note
Before each ride, first test the device outside the water level to check its functionality.

9.2. JETSURF START-UP PROCESS

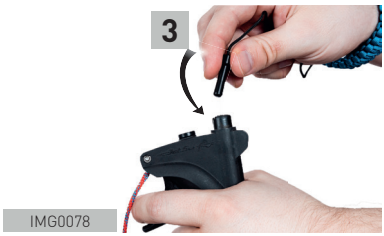
The start-up process has two states, Standby and Active. Read these instructions carefully to fully understand them.

STANDBY STATE (STATE ONE)



1 - Insert the shut-off key into the control handle socket on the control handle. The surf's control unit will then turn on.
2 - Remove the shut-off key from the control handle socket. An accoustic signal will be played to indicate that the Jetsurf is now in Standby state. In this state, the Jetsurf lasts for 2 hours (from the last removal of the shut-off key from the control handle socket). Then the Jetsurf automatically shuts off and this procedure needs to be repeated. The indicator currently indicates the set motor power.

ACTIVE STATE (STATE TWO)



3 - If the board is in standby state, insert the shut-off key into the control handle socket. The throttle trigger of the control handle must not be depressed at this time.
4 - Jetsurf goes into the active state, the motor at this moment responds to the throttle trigger of the control handle. The indicator signals this fact by lighting up the color according to the battery capacity.
5 - After removing the shut-off key from the control handle socket, the Jetsurf enters the standby state.

Warning (Material Damage)
For a sharp start in the water, it is essential to find a suitable place to start riding. The water from which the Jetsurf will take off must be of sufficient depth, otherwise there is a risk of damage to the fins. The minimum depth is 50 cm. Keep in mind that after accelerating the motor and jumping on the boat, the back of the board can sink by 10-20 cm.

Also, make sure you have enough room to maneuver, especially for beginners. The ideal area is 300 x 300 m without obstacles and with a calm surface. Always check the water for impurities that could enter the Jet pump and damage the Jetsurf.

9.3. START FROM THE SHORE (IN SHALLOW WATER)

To speed up the start-up process, we recommend checking the board and the motor on shore and transferring the board to the water in the standby state, where only the second start-up phase is performed.


IMG00AA

- Correct rider start position when starting from shallow water. The rider holds his Jetsurf with both hands so that he can hold the boards with his dominant hand and at the same time control the throttle trigger of the control handle.


IMG00AB

- The rider stands next to the board at the start, not on the board.


IMG00AB

- Once the rider is in the correct position to start, he can insert the shut-off key into the control handle socket with his free hand, which does not hold the control handle (provided that the board was in the standby state, otherwise the entire starting process must be performed).


IMG00AF

- When inserting the shut-off key into the control handle socket, the throttle trigger of the control handle must not be depressed, otherwise the board will go into an error state.


IMG00AE

- As soon as the indicator starts to indicate the battery status, it is possible to press the throttle trigger of the control handle to which the motor will respond at this time.
- The rider jumps on the Jetsurf the moment the board starts to accelerate.

Note
For a comfortable ride and the correct functioning of the Jetsurf, it is necessary to have the throttle control trigger depressed throughout the ride. It is not necessary to maintain full speed, but at insufficient speed the craft is shaky and less maneuverable.

Warning (Material Damage)
After starting the Jetsurf, visually check the correct operation of the cooling system. A continuous flow of water from the cooling system should be visible from the cooling water outlet on the sides of the battery. If you do not see the water, stop immediately and inspect the craft.

9.4. START FROM DEEP WATER OR AFTER A FALL

The start from deep water is similar to the start from the shore.



IMG00AG

- After starting, it is necessary to use the power of the motor to help pull yourself back up on the Jetsurf.

Warning (Risk of injury)
It is essential that the shut-off key is pulled out of the control handle socket in the event of a fall in order to stop the Jetsurf safely, which can only take place if the rider drops the control handle in the event of a fall.

Notice
If the Jetsurf cannot be restarted after stopping on the water, we do not recommend repeating the starting procedure more than 3 times. It is necessary to transport the Jetsurf back to shore and inspect it there.

Do not stay on the board when the motor is not running.

9.5. LEARNING HOW TO OPERATE CONTROL HANDLE ON JETSURF

During the very first ride, the rider should master control of the control handle and acceleration. For Jetsurf, this is a key skill. The rider can remain supine or kneeling. Only when he is sure of the throttle control and how to control it can the rider go and try to stand.

9.6. LEARNING HOW TO TURN ON JETSURF

Another important step is turning. You turn by tilting your body and the whole craft to one side or the other. When turning, avoid sudden deceleration (release the throttle control trigger on the control handle) - Jetsurf will tend to level out and turning will be more difficult and the board will become less stable.

9.7. LEARNING HOW TO RIDE THE JETSURF

Notice

If you want to go to a standing position, make sure that you have enough room for maneuver, that you do not cross the route with any other craft, and that there is no swimmer or obstacle near your Jetsurf. When getting up, it is also necessary to have sufficient speed (the board is stable and runs without much resistance).

The way to go from kneeling to standing is very individual.



IMG00AC

- For beginners, we recommend placing your foot in the back binding first while you are on your knees - the left foot if you hold the control handle in your right hand, or the right foot if you hold the control handle in your left hand.

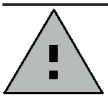


IMG00AD

- If your foot is firmly placed in the rear binding, the rider should try to place the front foot in the binding in one movement, release the Jetsurf grips and move smoothly from the kneeling to standing position. After releasing the grips, it is possible to use the throttle control cord of the control handle to maintain balance.

While getting up, it is necessary to maintain a constant speed, get up smoothly and do not stop halfway.

If the rider falls while getting up, the whole procedure must be repeated. After each fall, we recommend continuing to lie down or kneeling for a while.



Notice
The rider must monitor the riding time. The indicator on the side of the Jetsurf indicates the remaining battery capacity. It is necessary to take into account the reserve for the trip back to shore. When returning to the shore, the rider must consider the potential swimmers around the shore and also the sufficient depth of the water.

9.8. STOPS / FALLS ON JETSURF

If the rider wants to stop, he must first reduce the speed of the Jetsurf before the stopping point. As soon as the driver is close enough to the stopping point, he pulls the shut-off key out of the control handle socket. The motor stops and as soon as the Jetsurf decelerates to a sufficient speed, the rider can safely jump off the board.

9.9. RESTRICTIONS OF PERFORMANCE WHILE DRIVING

- Driving power limitations may occur if:
- The battery is low
- The electric motor regulator is overheated
- The electric motor is overheated
- The battery cells are unbalanced

9.10. SAFE RETURN

When the battery voltage drops below the defined limit for safe return, the power will be reduced immediately so that the board can be pulled back to shore. The transition to safe return mode occurs during riding when the indicator turns red.



Note
Driving time is also affected by the temperature of the water and the surroundings, so it is not possible to ride permanently at full power without restrictions.



Warning (Material Damage)
If the board is used while the inspection lid is not closed, the board will warn the rider by acustic signal. Riding without the inspection lid properly closed can damage the Jetsurf.

If the acustic signal doesn't stop even though the inspection lid is correctly closed, please contact an authorized service center.

10 AFTER THE RIDE

10.1. BRIEF CHECKLIST AFTER RIDING

QUICK BATTERY SWAP:

1 - Tilt the Jetsurf ELECTRIC with the cooling water outlet down and pour out the water.
2 - Change the battery.

BREAKS BETWEEN THE RIDES:

1 - Tilt the Jetsurf ELECTRIC with the cooling water outlet down and pour out the water
2 - Remove the battery and put on the connector cover.
3 - After riding in salt water rinse the entire board with fresh water, including the battery compartment.
4 - After riding in salt water also rinse the cooling system of the board.
5 - Unscrew the inspection lid and check that there is no water at the bottom of the motor compartment.
6 - Let the battery to cool down and then charge it.

10.2. DRAINING RESIDUAL WATER FROM THE COOLING SYSTEM



IMG0046

- At the end of the ride, it is important to tilt the board on its side and wait a while until most of the water flows out through the cooling water outlet.



IMG0047

- Then place the Jetsurf on the stand.

Note
This way you get rid of the residual water in the cooling system of your Jetsurf ELECTRIC.

Warning (Material Damage)
Never forget to drain all water from the cooling system after riding and put on the connector cover. If residual water does not drain out of the cooling system, there is a risk of permanent damage to the battery, connector and controller.

10.3. RINSING THE BOARD

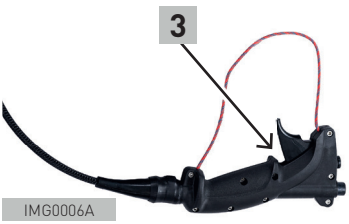
When rinsing the board, make sure that all parts of the board that have been in contact with water are properly rinsed. Especially if the Jetsurf was operated in salt water.

Find a source of fresh water (eg garden hoses) and wash the:



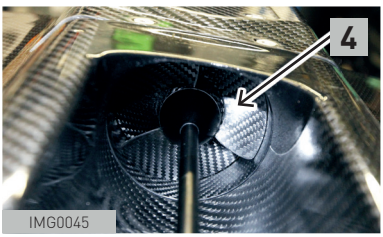
IMG0023

1 - Motosurf body - design may be damaged due to salt or polluted water.
2 - Binding - The fabric part may shatter due to salt; the plastic part may rub off and break.



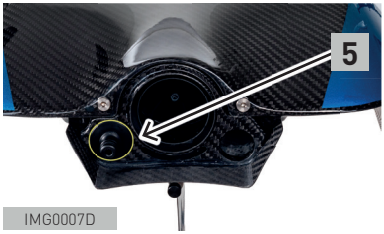
IMG0006A

3 - Control handle - Salt and dirty water can block the throttle control trigger.



IMG0045

4 - Jet pump - No dirt must remain between the blades of the Jet pump, there is a risk of breaking the blades.



IMG0007D

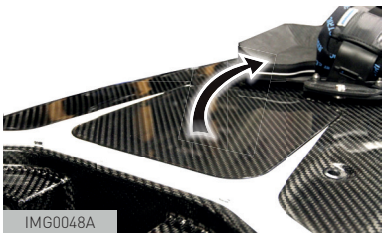
5 - Cooling system - If the motosurf was operated in salt water, rinse the cooling system with fresh water.

After removing the battery and attaching the battery connector cover to the Jetsurf ELECTRIC, also do not forget to rinse the area where the battery is stored.

Warning (Material Damage)
Never forget to put the connector cover on the Jetsurf ELECTRIC before washing the battery compartment.

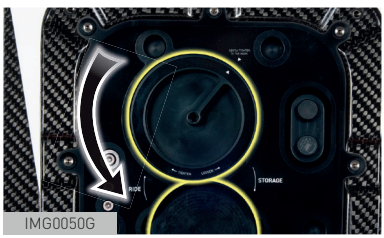
10.4. MOTOR COMPARTMENT COVER MAINTENANCE

CHECKING FOR THE PRESENCE OF WATER IN THE MOTOR COMPARTMENT



IMG0048A

- Remove the motor compartment cover.



IMG0050G

- Open the inspection lid counterclockwise.
- Check that there is no water at the bottom of the motor compartment.

Warning (Material Damage)
If there is water inside the motor compartment, let the compartment ventilate and contact authorized service center.

Follow the marking arrows when closing and tightening the inspection lid.

10.5. TURNING OFF

The shutdown occurs:

- At any time when disconnecting the battery from the board.
- Automatically if the shut-off key is removed from the control handle socket for more than 2 hours.
- When attaching the shut-off key to the Jetsurf indicator.



Warning (Risk of injury)
Never leave the shut-off key in the control handle socket after riding.



Warning (Material Damage)
Never remove the battery from the board unless the Jetsurf is completely switched off. This could damage the electric motor.



Note
When the inspection lid is not unscrewed in 2 hours after the ride, Jetsurf will remind you with an acustic signal.

The board stores data about the opening of the inspection lid and inserting the battery into the board. It is possible to determine whether the board has been handled correctly based on this and other data.

11 STORAGE

11.1. SHORT-TERM STORAGE

For short-term storage, for example between riding days, it is sufficient to follow the steps described in chapter 10, “After the ride”. After performing these steps, store the motosurf in a dry place.



Notice (Material damage)
Be sure to remove the battery from the board and charge it to at least 30% (Travel Charging Mode).

11.2. LONG-TERM STORAGE

If there is a break of more than one week, it is necessary to perform these further actions.



Note
Don't underestimate these steps. Keep in mind that if you take good care of your motosurf, you will increase the life of all its parts.

- Remove the battery from the motosurf and replace the battery cover. Never store the board with the battery connected.
- Store the battery in a dry place, preferably between 10 - 30 °C (50 - 86 °F).



Notice (Material damage)
Charge the battery to a maximum of 50% before long-term storage. To achieve this value, you can use the storage charging mode on the charger if the battery capacity is below 50%. The battery cannot be drained by the charger. Under no circumstances store the battery at higher temperatures, as this will greatly speed up the aging process.

- Clean the motosurf.
- Unscrew the inspection lid and keep the motor compartment open during storage.
- Lubricate battery locks and control handle with universal lubricant.
- Store the motosurf in a dry place that is not subject to large temperature fluctuations.

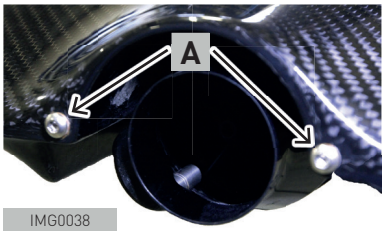


Notice (Material damage)
Failure to follow these steps can lead to a significant reduction in service life or, in extreme cases, to irreversible damage to the motosurf.

12.1. DRAINING WATER FROM THE BOARD

Water can enter the space of the outer airbox (the space between the outer and inner wall of the board) by air condensation, or in the case of damage to the waterproofing of the board.

If you notice the presence of water in the board when handling the surfboard (by listening), first check the motor compartment and if there is no water in the motor compartment, follow the instructions below.



IMG0038

- Loosen the drain plugs **(A)** and remove them together with the washers.



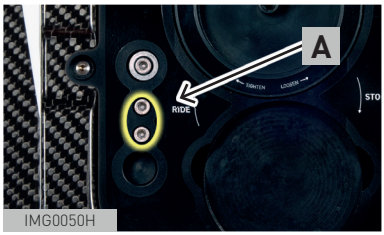
IMG0023

- Position the board vertically, with the drain plugs facing down.
- Wait for all the water to drain.
- Screw in the drain plugs and washers again.

Warning (Material Damage)
Observe the amount of water flowing out. If there is a large amount of drained water, contact your Jetsurf dealer and do not ride your Jetsurf. The cause may be damage to the board.

Warning (Material Damage)
Never start riding without the drain plugs screwed in.

12.2. REFILLING OF CENTRAL BEARING HOUSING LUBRICATION



IMG0050H

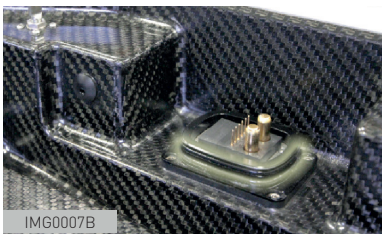
- First unscrew set of screws **(A)** located on the motor compartment lid.
- Insert a hose with a container into one of the openings to collect any excess oil.
- Plug the other one with an oil syringe.
- Push enough oil into the board with the syringe (> 10ml).

Warning (Material damage)
If there is water visible in the oil collection container, it is necessary to contact the Jetsurf support.

Note
We recommend using a mixture of vaseline (***Isoflex LDS 18 Special A***) and oil (***Motorex Ocean FS 2T Bio***) in a ratio of 7:4 (100 g of vaseline per 57 ml of oil).

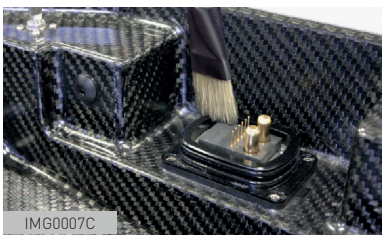
A mixture of Vaseline and oil can be purchased from an authorized Jetsurf service center.

12.3. BATTERY PLUG RUBBER REPLACEMENT


IMG0007B

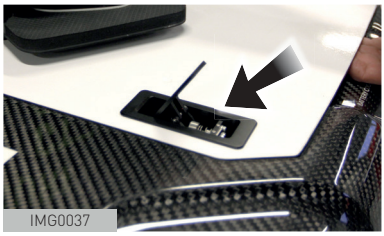
- If the rubber of the battery plug is damaged or missing, thread the spare rubber band on the plug.
- The battery plug rubber band can be ordered from your authorized Jetsurf dealer.

12.4. LUBRICATION OF THE BATTERY PLUG


IMG0007C

- For the correct function of the connector, we recommend treating the plug with Vaseline for the connectors and contacts - eg ***Electrolube CG60 Contact Grease***

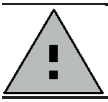
12.5. LUBRICATION OF BATTERY LOCKS



IMG0037

- For the lock to work properly even after long-time usage we recommend to oil the locks with a universal oil.

13 TRANSPORT



Warning
Transporting the battery can be dangerous and can be illegal in some jurisdictions.



Warning (Material Damage)
Always transport the Jetsurf ELECTRIC only with the battery removed.

Always remove both the side and center fins.

Despite its strength, the carbon composite is a fragile material, so it is not enough to pack the board in the original packaging for transport, you must also add other protective elements such as bubble wrap and cardboard box.

13.1. TRANSPORT BY PLANE

Batteries are subject to dangerous goods regulations. When transported by third parties (eg air or courier service), special requirements for packaging and marking must be observed, see. ***www.iata.org/dgr***, ***www.iata.org/lbsg***.

- For safety reasons, the battery must be charged to a maximum of 30% for transport. You can use the Travel charging mode on the Jetsurf ELECTRIC charger.
- The battery must be packed in packaging that complies with the UN standard for the transport of hazardous materials.
- The packaging must be marked with, among other things, warning labels (see Chapter 2).



Notice
The battery cannot be transported in your hand luggage.



Note
Your Authorized Jetsurf Dealer will be happy to help you transport your battery or board.

13.2. TRANSPORT TO THE SERVICE CENTER

Before transport, contact an authorized service center about the fact that you are going to send your surfboard. The authorized service will be happy to help you with questions and advise you on how to prepare the board. If it is possible to solve the problem without the need to send the board, the authorized service can send you a spare part with a detailed description on how to replace it.

14 TECHNICAL INFORMATION

DESCRIPTION	
Length (mm)	1800
Width (mm)	600
Height (mm)	150
Weight without bindings (kg)	33,9
Number of passangers	One rider
Maximum load (kg)	100
Category*	D
Ride duration	25 - 45 min
Max speed	55 km/h (34 mph)
MOTOSURF CONSTRUCTION	
Hull	100% Carbon composite
Ingress Protection	IP67
BATTERY	
Battery type	Lithium-ion 18650
Voltage (V)	50,4
Capacity (kWh)	2,9
Maximum charging voltage (V)	58,8
Battery weight (kg)	17,8
PROPULSION	
Propulsion type	Single-stage axial jet pump
Propeller material	Carbon composite
Nozzle material	Carbon composite
Performance (kW / rpm)	7,8 / 8000
Thrust	570 N
Producer	MSR Engines s.r.o.

* - Directive 2013/53 / EU - Definition of craft design category D:
"D. Protected waters - intended for navigation in protected coastal waters, small bays, small lakes, rivers and canals where winds up to and including wind force of up to and including degree 4 and significant wave heights of up to and including 0,3 m may occur, with occasional waves up to a maximum height of 0,5 m, for example from passing crafts."

SERVICE

The prescribed service work was performed in full according to the most up-to-date service checklist and was documented in the Jetsurf system. Only original Jetsurf spare parts or spare parts and accessories approved by Jetsurf were used in the service work.

Motosurf Serial Number:	
Date:	
km / hours operated:	

STAMP AND SIGNATURE OF AN AUTHORIZED JETSURF SERVICE CENTER

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Motosurf Serial Number:	
Date:	
km / hours operated:	

STAMP AND SIGNATURE OF AN AUTHORIZED JETSURF SERVICE CENTER

15 CERTIFICATION



CERTIFICATE

of conformity
No. 42015514

LL-C Certification

In compliance with requirements for documentation specified in Annex VII, part A and the Essential Health and Safety Requirements in Annex I of the European Parliament and of the Council on machinery, this certificate applies to the machinery device:

JETSURF ELECTRIC

Model: JE-A1

Technical specification: **IP 67, Voltage 50,4 V, person 1, 120 kg max**
Technical file: **JET-LLC**
Assessment Performed: **2006/42/ES**
Category (2006/42/EC - Annex IV): **N/A**
Applied Standards: **ČSN EN 62133-2; ČSN EN ISO 12100**

produced by or for

MSR Engines s.r.o.
Krasneho 3857/7, 63600 Brno, Czech Republic

and produced in the manufacturing plant(s)
Střelice 864,664 47 Střelice u Brna, Czech Republic

This certificate attests that all provisions described in relevant parts of the standard

ČSN EN 62133-2; ČSN EN ISO 12100

are addressed in the accompanying product documentation. The CE mark as shown below can be affixed, under the responsibility of the manufacturer, after the completion of EC declaration of conformity and compliance all the relevant directives

This certificate was issued on **05 April 2022** and is valid until **04 April 2027** and is based on the evaluation of the technical file of the machinery device. The voluntary certification does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the LL-C (Certification). The holder of this certificate may use this certificate together with his EC declaration of conformity. This is not NB statement. The intial certification date of issue is 05 April 2022.

R. N. Kuwad

Prague, 05 April 2022

Rohit Kuwad
Deputy of Head of CB

CE

SAFETY · ENVIRONMENT · QUALITY
LL-C Certification

validity code: **ABE7657A-4FA**
Check the validity of this certificate using this code at **www.ll-c.info**

LL-C (Certification) Czech Republic a.s. | Pobřežní 620/3, 186 00 Praha 8



CERTIFICATE

of conformity
No. 42015513

LL-C Certification

In compliance with the requirements for documentation specified in Annex II and the Essential Requirements in Annex I of the European Parliament and of the Council on electromagnetic compatibility, this certificate applies to the apparatus/machinery device:

BATTERY PACK

Model: A001350

Technical specification: **57000 mAh, 50,4 V napětí ,12,8 mΩ Type**
Technical file: **MSR Engines- 42015513**
Assessment Performed: **(EMC) Directive 2014/30/EU**
Category (2006/42/EC Annex IV): **N/A**
Applied Standards: **EN 60068-2-6, ed.2, 2008 ČSN EN 60068-2-27, ed.2,ČSN EN 62133-2:2017,IEC 62133-2:2017, UN38.3**

produced by or for

MSR Engines s.r.o.
Krasneho 3857/7, 63600 Brno, Czech Republic

and produced in the manufacturing plant(s)
Strelice 864,664 47 Strelice u Brna, Czech Republic

This certificate attests that all provisions described in relevant parts of the standard

EN 60068-2-6, ed.2, 2008 ČSN EN 60068-2-27, ed.2,ČSN EN 62133-2:2017,IEC 62133-2:2017, UN38.3

are addressed in the accompanying product documentation. The CE mark as shown below can be affixed, under the responsibility of the manufacturer, after the completion of EC declaration of conformity and compliance all the relevant directives.

This certificate was issued on **19 April 2022** and is valid until **18 April 2027** and is based on the evaluation of the technical file of the equipment/machinery device. The voluntary certification does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the LL-C (Certification). The holder of this certificate may use this certificate together with his EC declaration of conformity. This is not NB statement. The intial certification date of issue is 19 April 2022.

Prague, 19 April 2022

R. N. Kuwad

Rohit Kuwad
Deputy of Head of CB

CE

validity code: **F13D61F6-17F**
Check the validity of this certificate using this code at **www.ll-c.info**

SAFETY · SECURITY · ENVIRONMENT · QUALITY
LL-C Certification

LL-C (Certification) Czech Republic a.s. | Pobřežní 620/3, 186 00 Praha 8

16 WARRANTY

Section 1. WARRANTY PARAMETERS

1 - The manufacturer provides the customer with a warranty for a period of 1 (one) year, in those countries in which the manufacturer's liability for product defects occurring after the sale of the product is not guaranteed by law (hereinafter referred to as the "Jetsurf warranty").

2 - The Jetsurf warranty is a warranty of quality, which the manufacturer declares that for the duration of the warranty of the product (hereinafter referred to as Jetsurf) will be fit for its usual purpose or that it will retain its usual properties. Usual purpose and usual properties refer to such purpose and such properties declared by the manufacturer in the official presentations of his products. Such are not properties declared for the product by third parties other than the manufacturer and which cannot normally be expected from the product, nor emotions, feelings, impressions or other subjective perceptions of the product, regardless of whether they are declared by the manufacturer or by a third party other than the manufacturer.

3 - The Jetsurf warranty is provided for construction materials and their processing during the production of Jetsurf or its motor.

4 - The Jetsurf warranty is provided for products that are properly maintained and properly cared for, used wisely and in accordance with the instructions in the user manual and any other materials provided or issued by the manufacturer, and serviced (whether regular or enforced). takes place at the manufacturer or authorized dealers (dealers or other authorized persons) or authorized Jetsurf services. In the event of a breach of this condition, only such defects will be taken into account.

5 - The Jetsurf warranty is not provided for emissions and their extent and the manufacturer is only responsible for the quality, resp. emission rate on the day of the sale of the Jetsurf to the customer. The Jetsurf manufacturer provides a warranty for emission-related components, including those that could cause an increase in evaporative emissions for 12 consecutive months from the date on which the Jetsurf is put into service.

6 - The Jetsurf warranty grants rights, the exercise of which, to the extent not covered by these warranty conditions, may differ in different countries depending on different legal regulations.

7 - The Jetsurf warranty begins when the customer receives their Jetsurf.

Section 2. APPLICATION OF THE WARRANTY AND CONDITIONS

1 - If you discover a defect in your Jetsurf that justifies the application of this warranty, please contact your authorized dealer from whom you purchased your Jetsurf from without undue delay, no later than 30 days from the date of discovery of the defect. Deliver your Jetsurf to the authorized Jetsurf dealer from whom you purchased the Jetsurf from and note that you bear the cost of transporting the Jetsurf to the place of purchase, unless the Jetsurf was otherwise delivered to you and the transport costs may have been agreed otherwise.

2 - The manufacturer will assess the alleged defect (complaint) within 90 days from the date of delivery of the Jetsurf to his hands and will notify you of the result of the complaint, either himself or through the authorized dealer from whom you purchased the Jetsurf from.

3 - If the manufacturer finds that the complaint is justified, he will take care of the defect primarily by repairing or replacing the defective part or component of the Jetsurf. All warranty repairs performed by the manufacturer or authorized persons

will be performed using new or re-manufactured spare parts at the manufacturer's sole discretion. The manufacturer or an authorized person may, at their discretion, repair Jetsurf with spare parts that have similar or higher performance characteristics and qualities, if no other spare parts are available.

4 - If the repair of the item is not possible, the manufacturer will provide you with another Jetsurf or an authorized dealer from whom you purchased the Jetsurf (or the manufacturer himself, if you purchased it from them) will refund the purchase price taking into account any excessive wear of the defective Jetsurf. The choice between these ways of dealing with an irreparable defect is up to the manufacturer unless the legislation in the relevant country provides otherwise.

5 - If the manufacturer finds that the complaint is not justified, he will return your Jetsurf to you, either himself or through the authorized dealer from whom you purchased the Jetsurf, with the cost of returning (transporting) the Jetsurf on your own.

6 - If you are a non-businessperson, and therefore a consumer, the application of the warranty and its procedures are governed by specific legal regulations governing consumers' claims for defects in goods.

7 - Please note that authorized stores and service centers are operated by independent entities and are generally not owned by the manufacturer. Therefore, it cannot affect the course of service work or their planning.

Section 3. EXCLUSIONS AND LIMITATIONS OF WARRANTY

1 - The Jetsurf warranty does not apply to:

a. Common components and materials necessary for maintenance required by the Jetsurf warranty
b. Normal wear and tear of any component, motor or motorized surfboard
c. Damage caused by defects in materials, components or parts supplied by other manufacturers
d. Damage or necessary modifications caused by items that are added, altered, or altered after Jetsurf is no longer owned by the manufacturer, as well as any modifications, alterations, unauthorized repairs or replacements of components, motor or Jetsurf after ownership by the retailer
e. Damage caused by an accident (including impacts and collisions with any objects) due to negligence, mishandling, misuse or incorrect use or modification, including any damage caused during the transport of Jetsurf
f. Damage caused by heat, fire, explosion or frost (including failure to perform the correct method by winterization or preparation for storage)
g. Damage resulting from vandalism
h. Damage caused by lightning, hail, rain, wind, sand, flood or other environmental and natural conditions or natural disasters
i. Damage caused by cleaning agents not expressly approved by the manufacturer
j. Damage caused by insufficient or incorrect maintenance
k. Damage resulting from leakage or spillage of fluid, including, but not limited to, fuel or powertrain fluids
l. Damage and defects resulting from the use of Jetsurf for purposes other than recreational
m. Damage or injury resulting from non-compliance with the manufacturer's recommendation, request or communication on the need to repair a Jetsurf or replace any part or component of the Jetsurf

n. Failure to properly maintain and care for Jetsurf and its components in accordance with the instructions in the user manual.

2 - No one, not even the sellers, distributors, dealers or other suppliers of Jetsurf, are entitled to provide or guarantee the warranty other than as contained in these conditions, to increase or in any way change the scope of this Jetsurf warranty.

Section 4. LOCAL WARRANTY SPECIFICATIONS

1 - In the event of a conflict between these warranty conditions and the local law, which does not allow the agreement of the contracting parties or other contractual freedom of the manufacturer in relation to the provision of the warranty and handling of complaints, local law shall prevail. Every authorized Jetsurf dealer is entitled to provide you with information on local warranty specifications, if this information is available.

Section 5. DISPUTES

1 - All disputes arising out of the rights from the Jetsurf Warranty should be settled out of court as a matter of priority. Contact us and let us know what you are not satisfied with in regard to the warranty solution. If we do not comply with you, contact your local commercial or other arbitration or other conciliation body to resolve warranty disputes between the manufacturer and consumers or other end customers. If you are an entrepreneur and there is no arbitration for resolving a dispute in the state where you purchased your Jetsurf, try to resolve any warranty disputes with an authorized dealer first amicably, then contact us directly in the same spirit.

2 - Keep in mind that your satisfaction is our priority. Therefore, do not hesitate to contact your authorized dealer and in the case of persistent dissatisfaction, please contact us directly to verify the procedure of the authorized dealer in accordance with these warranty conditions.

Section 6. CONTACT

For an overview of authorized dealers and authorized service points, as well as for any additional information:

www.jetsurf.com

or call Jetsurf +420 774 60 27 01

Monday to Friday 8:00 - 18:00 CET

mailing address:

MSR Engines s.r.o.

Company ID: 26968215

registered office: Krásného 3857/7, 636 00 Brno, Czech Republic

JETSURF OWNER'S AGREEMENT ORIGINAL

First name and last name

The manufacturer, importer or seller is not liable for damage caused by the use of the product, its maintenance or service performed in violation of these operating instructions. At the same time, the manufacturer, importer or seller is not liable for damage caused by the product in the event of a breach of the obligations and obligations set out below.

I agree that I will NOT perform any of the following activities and acknowledge that performing the following activities will result in the loss of the Jetsurf warranty:

I WILL NOT:

1. Transport the Jetsurf with the battery connected.
2. Store the Jetsurf with the battery connected.
3. Enter the water WITHOUT checking the integrity of the board and for scratches and holes on the board. In the case of any of the mentioned damages, the Jetsurf must not be used.
4. Enter the water WITHOUT checking for the presence of water and rust in the motor compartment.
5. Enter the water WITHOUT checking for dryness in the expansion valve.
6. Enter the water WITHOUT checking that the motor cover is properly tightened.
7. Enter water with less than 100% charged battery.
8. Enter the water WITHOUT reading the user manual. If I did not understand something as a user, I contacted an authorized Jetsurf dealer.
9. Enter the water WITHOUT checking that the Jetsurf is working as expected and as described in the user manual.
10. Store the board without inspection and, if necessary, drying out the battery compartment.
11. Store the board without cleaning the board of dirt after removing it from the water, then disconnect the battery from the board.
12. Leave the battery socket uncovered. Always cover the connector with the protection supplied with the board.
13. Leave the battery connector uncovered. I always make sure that the connector is covered by the protection supplied with the board.
14. Store the board without flushing the cooling system with fresh water.
15. Store the board without checking the balancing valve. Make sure the balancing valve is dry.
16. Set the board aside without checking for water in the motor compartment. If there is water in the motor compartment, contact an authorized Jetsurf dealer.
17. Lay the board down without checking the drain plugs and checking for water between the outer and inner walls of the board.
18. Leave the battery socket dirty - any dirt must be cleaned and the socket lubricated with Vaseline.
19. Store the battery without the battery pack and at temperatures other than 10 - 30 ° C (50 - 86 ° F).
20. Leave the board in direct sunlight.
21. Store the battery in places where there is a risk of frost.
22. Stop riding without the removed battery in the battery pack to prevent any mechanical damage as much as possible.
23. Use a battery that is mechanically damaged (eg cracks, scratches, damaged connector).
24. Charge the battery immediately after riding. For longer battery life, let the battery cool down before charging.
25. Charge the battery in high temperatures and in direct sunlight.
26. Charge the battery near flammable objects.
27. Never leave the rechargeable battery unattended.
28. Leave the charging connector exposed. Always cover the connector with the protection supplied with the board.
29. Transport a fully charged battery. Before transport, discharge the battery to at least 30%.
30. Use the "safe return" regime for purposes other than safe return to shore.

JETSURF OWNER'S AGREEMENT ORIGINAL

The owner declares that together with Jetsurf he also takes over one copy of these operating instructions, while the need to read the contents in detail was pointed out when handing over to Jetsurf and undertakes to fulfill his obligation to read the operating instructions, noting that the manufacturer / importer / seller are not responsible for defects caused by breach of duty or use contrary to the operating instructions. At the same time, the owner declares by signing that he is a fully independent person, able to get acquainted with the operating instructions and fully understand them, while in case of any ambiguity he undertakes to contact the nearest dealer. At the same time, he will do so in case of doubt about the significance of any obligation arising from the operating instructions. The language version that has been handed over to the owner together with Jetsurf, usually in the language of the country to which it is delivered to the Jetsurf owner, is always decisive for the validity and correctness of the operating instructions, unless otherwise agreed between the manufacturer / importer / seller and the owner.

Hull identification number (HIN):

Serial number (SN):

Seller:

Name of owner Jetsurf:

Address:

City, State / Province, Zip:

E-mail:

Date of sale: Year: Month: Day:

Signature of Jetsurf owner:

_ _

Seller's signature:

_ _

Person:

_ _

Handover date:

_ _

Place of exchange:

_ _

JETSURF OWNER'S AGREEMENT COPY

First name and last name

The manufacturer, importer or seller is not liable for damage caused by the use of the product, its maintenance or service performed in violation of these operating instructions. At the same time, the manufacturer, importer or seller is not liable for damage caused by the product in the event of a breach of the obligations and obligations set out below.

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JETSURF OWNER'S AGREEMENT COPY

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Hull identification number (HIN):

Serial number (SN):

Seller:

Name of owner Jetsurf:

Address:

City, State / Province, Zip:

E-mail:

Date of sale:	Year:	Month:	Day:

Signature of Jetsurf owner:

_____

Seller's signature:

_____

Person:

_____

Handover date:

_____

Place of exchange:

_____

16 NOTES

16 NOTES

BORN FOR FUN

www.jetsurf.com