

USER MANUAL
用户手册



YFSURF JET POWERED SURFBOARD

YFSURF 动力冲浪板

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一、前言

Preface

YFSURF 冲浪板，船体选用碳纤维材料，搭载 9kW 二冲程水冷发动机，重量轻、易携带，使用方便，操作简单，动力强劲，加速性能优越，操纵舒适，噪声、排污均达到业类标准。此冲浪板，新颖的外观设计，优美圆润的线条，洋溢着青春时代的气息、更具摄人的魅力。

YFSURF powered surfboard, easy to use and easy to operate. It has a built-in 9kW two-stroke water cooled engine, which is full of power, noise and pollution. This surfboard is easy to carry, the acceleration performance is superior, the control is comfortable, the dynamic is strong, the appearance design of the novel, the line that is beautiful and round, permeates the breath of the youth time, more the glamour of the perturbed person.

使用手册介绍了此冲浪板的基本操作和维修方法，请你仔细阅读。正确的使用、保养和维修，可以减少冲浪板的故障并保持冲浪板的最佳性能。

The manual introduces the basic operation and repairing method. Please read it carefully. The right usage, maintenance and repairment can reduce the failures of the surfboard and keep its best performance.

二、用户须知

User Notice

质保期一年。在正常使用的情况下，如因制造工艺或材料问题造成的故障，在质保期内，我司免费提供更换所需零部件（易损件和使用不当造成损坏；不在质保范围内）

动力冲浪板维护、保养、维修视频、请访问官方网站（www.yafeisurf.com）

※ We offer you the 12months warranty for the YFS110. Within the warranty period counting from your purchasing date, we will supply the related parts free as long as in normal use the failure belongs to the manufacture processing problem or the material problem

三、产品规格参数

Product Specifications



板体长度 Overall length	1800mm	板体宽度 Overall width	600mm
发动机 Engine	二冲程水冷 2stroke water-cooled	板体高度 Overall height	160mm (无尾鳍) 160mm (out of fin)
排量 Displacement	110CC	净重 Net Weight	20kg
最大功率 Max. power	9kW	燃油比例 Fuel mixing ratio	30:1
最大速度 Maximum speed	50km/h	燃油箱容量 Fuel capacity	3. L
缸径×冲程 Bore x Stroke	53mm×50mm	启动电池 Battery	lithium battery Group, integrated in the ECU
怠速转速 Idling speed	2900rpm (在水中) 2900rpm(In water)	推进器型式 Jet Pump Type	单叶轮轴流式 Axial flow, single stage
火花塞型号 Spark plug model	NGK BPM7A	最大载人数 Max. Person	1 人 1 person
点火形式 Ignition form	直流数字点火 DC digital ignition	最大载重量 Max. capacity	100kg
最小使用水深 Minimum water depth	50cm	包装箱尺寸 Packing size	185×68×37 cm×cm×cm

四、操作安全须知

Safety Notice

- 凡患有心脏病、高血压、糖尿病、哮喘病、传染病、肌肉麻痹症、骨质疏松症或精神类疾病等影响乘艇安全的疾病及孕妇和严重晕船者请不要乘、驾艇，如果隐瞒上述情况，出航发生意外的，后果自负。

who suffer from heart disease, high blood pressure, diabetes, asthma, infection, muscle paralysis, osteoporosis, or psychiatric disease and other diseases affecting the safety of embarkation and pregnant women and serious seasick, please don't take a boat, hiding the above situation, sea accidents, the consequence is proud.

- 动力冲浪板仅适合健康的成年人乘、驾，未成年人及 60 岁以上人士禁止使用。如果未成年人需驾驶体验必须由专业的教练驾驶。

The power surfboard is only suitable for healthy adults, driving, minors and people over 60 years of age. If a minor needs to drive the experience must be driven by a professional coach.

- 饮酒者禁止驾驶动力冲浪板；

The drinker is prohibited from driving motorboats;

- 初学者须由专业人士指导使用

Beginners should be guided by professionals;

- 使用前必须穿救生衣、头盔；

Before boarding the boat, you must wear a life jacket and helmet;

- 使用时，把开关保险绳系在手腕上，万一身体甩离板体，动力冲浪板将会自动关机。

When boarding the boat, fasten the switch insurance rope to the wrist, in case the body throws off the body, the motor boat will automatically shutdown.

- 会车驾驶时，应该靠右避让，不要急转弯，以免发生碰撞。

When you're driving, you should take the right to avoid making a sharp turn to avoid a collision.

- 动力冲浪板是靠喷射水流来推动前进、控制方向的，所以当动力冲浪板即将靠岸的时候，应该慢慢减速，而不是快速停机。如果熄火，方向就不能控制，惯性会使动力冲浪板滑向岸边；

The motor boat power surfboard is driven by the jet of water to push forward and control the direction, so when the motorboat power surfboard is on the shore, it should slow down slowly instead of fast stop. If the fire is out, the direction will not be controlled, and the inertia will make the surfboat go straight to the shore.

- 在驾驶过程中不要离开海岸太远，须在游艇会 1000 米海域内，并不得相互追逐竞赛；

Don't stray too far from the coast in the driving process.

- 动力冲浪板禁止冲上沙滩，需要上沙滩时，应在水深 90CM 以上位置拉开安全钥匙停机后将船板抱上沙滩；

The motor boat power surfboard is forbidden to go to the beach. When you need to go to the beach, you should open the safety key after the water depth of 90CM.

- 严禁在有水草、垃圾的水域行驶，严禁在有人游泳的附近启动发动机；

It is strictly forbidden to drive in the water of the water and refuse, and to start

the engine in the vicinity of anyone swimming;

- 使用冲浪板时，禁止把腿、脚放在水中；

On a surfing boat, legs and feet are prohibited;

- 如遇到中雨以上、雷电、大雾、大风大浪等不宜航行的天气时，必须及时上岸

When the weather is not suitable for sailing, such as the rain or above, lightning, fog, wind, etc., you must come ashore in time

紧急情况处理：

- 在海上出现故障，如突然熄火，打不着火等，在体力允许的情况下尽快游向岸边，并吹响救生衣上的救生哨，等待救援；应立即用 VHF 对讲机向岸上呼救，等待救援；

if there is A fault in the sea, such as sudden flameout, no fire, etc., we should immediately call the VHF intercom to call for help on shore and wait for rescue.

- 在使用时被掉下冲浪板时，应沉着冷静。如离得较远、水流较急，切勿游泳追赶动力冲浪板，在体力允许的情况下尽快游向岸边，并吹响救生衣上的救生哨，等待救援；立即用 VHF 对讲机呼救，并吹响救生衣上的救生哨，等待救援； B: you should be calm and calm when being dropped off the surfboard during use. If you are far away from the water, you should not swim after the motor boat. Immediately call the VHF intercom to call for help, and blow the lifeguard whistle on the life vest to wait for rescue.

- 不慎发生侧翻后，迅速将冲浪板翻正。如离岸边比较近立即用 VHF 对讲机呼救，等待救援；严禁再次打火，动力冲浪板必须拖回岸上检修。

after accidentally turning over, the surfboard can be turned over quickly, such as near the shore, immediately to use VHF intercom to call for help, waiting for rescue; It is forbidden to fire again, and the motor boat must be dragged back to shore for maintenance

五、注意事项

Using the matters needing attention

亲爱的用户，欢迎订购喷射式动力冲浪板，以下我们将用图文介绍动力冲浪板的使用步骤，希望您认真阅读后。更加详细的了解如何使用我们的产品。

Dear owners, thanks for your choosing our jet powered surfboard. The following is some notice and wish you can read it carefully, which is helpful for you to play the surfboard

- 当你收到我们的产品时，仔细拆开外包装。然后检查内部标准配件是否齐全。

After you receive the product, please open the package to check whether all the followed items are in the box

板体 1PCS	支架 1PCS	工具 1PCS	使用手册 1PCS	火花塞 1PCS	侧鳍、尾鳍 3PCS	充电器 1pcs
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- 检查进气软管是否有压扁、破损

Check whether the intake hose is crushed and broken.

- 检查手柄油门是否顺畅、保护开关插拔顺利；
Check whether the handle throttles smoothly, and whether the protection switch plugs and pulls smoothly.
- 检查前后提手安装螺栓是否有松脱现象；
Check whether the install bolts of the handles got loose;
- 检查喷射叶轮是否缠绕有异物，喷泵连接的冷却水管是否有破损、连接牢固；
Check whether the jet impeller is wrapped by foreign matter, whether the cooling pipe is connected to the spray pump firmly and if there is any breakage.
- 打开发动机舱盖，取出干燥剂；
Open the engine cover and take the five bags of desiccant out;
- 1. 检查进排气管、油路、冷却水管连接是否牢固，有松脱现象；
Check the connection of air in/out and the oil and water pipe and make sure they're connected well;
- 2. 检查电器连接线路是否有短/断路、接头是否有松动、脱落现象；
Check whether the electrical circuit is short or open, and the connector is loose or falling off.
- 3. 检火花塞帽连接是否牢固；
Check whether the spark plug cap is firmly connected.
- 4. 当检查完后，在配件齐全、电源接头和螺丝无松动的情况下、取出充电器，连接充电；
After the check, if all the items are complete, power connector and screws are connected well, charge the battery
- 盖好发动机舱盖，确保安装到位。
Close the engine cover and make sure the installation is correct.
- 燃油比例。（95号以上汽油+全合成二冲程机油）磨合期 30:1。磨合时间 30-50 小时后。可逐步控制 40:1 使用；
fuel ratio. (no. 95 + total synthesis two-stroke gasoline engine oil) period. Seating time 30-50 hours later. Can be used gradually control spake;
- 经常检查燃油是否泄漏；不要过量添加燃油；保持冲浪板远离火花和明火；燃油泄漏时，切勿使用；避免汽油泄漏引发严重伤亡的火灾或爆炸；
Please check the hoops of the oil pipe, cooling water pipe are close, make sure that no water can leak into or out. Avoid serious injury or death from fire or explosion resulting from leaking fuel; Gasoline vapors may cause fires or explosions; Inspect system for leaks frequently; Do not overfill fuel tank; Keep the surfboard away from open flames and sparks; Do not start surfboard if liquid gasoline or vapors are present.
- 使用前，需安装尾鳍、侧鳍。
Before playing, need to install the fins.
- 务必确保使用水深至少 50cm 以上（海上使用时水深至少 90cm 以上）。防止石头、水草等杂质吸入进水口、导致叶轮、喷泵外壳损坏；避免杂质沙子将冷却水进水口堵住、导致发动机、消声器损坏。
Please make sure the minimum level for jet pump operation in water: 50CM (90cm in sea). To avoid to suck the stones ,water plants and other impurities into the water inlet port, resulting in the damage of the impeller and jet shell; avoid the sand to block the cooling water inlet port to damage the engine and muffle
- Close the hatch cover and start up the motor, run in low speed for 2-5 minutes to make sure and oil and cooling water in place and then you can use it. (The muffler is water cooling type, you should run it in water)
- 使用过程中，禁止将冲浪板进气口没入水中。以免造成舱内进水过多、损坏发动机及电

路原件

Prohibit to make the air inlet rubber nose submerged during the surfing. So as to avoid excessive water into the cabin to damage the engine and the original circuits

- 使用过程中如遇发动机缸内进水时，未将水排尽之前，严禁频繁启动发动机。
If water into the engine cylinder during the surfing, do not start the engine frequently before the water is drained
- 如果冲浪板在海水中使用、每次使用完，需用淡水清洗板体和发动机。
After riding your board in salt water, wash it with freshwater including the inner space and engine.

● 启动常见故障; Start the common faults

输送油管内含空气、发动机无法正常工作 The conveying pipe contains air, engine can't work normally	取下化油器端油管、使用手捏泵排除空气，无明显气泡为佳 Remove the carburetor side of tubing, use hand to knead eliminate air pump, no
启动正常、发动机无法正常工作 Start the normal, engine can't work normally	关闭风门 Close the door
多次启动、缸体内燃油过多 Too many times the start, cylinder fuel	排除废油（图 11 列） Eliminate waste oil (figure 11)
长时间没使用、发动机内部燃油变质 Long time no use, internal fuel metamorphic engine	排除废油（图 11 列） Eliminate waste oil (figure 11)

六、动力冲浪板各部件名称和图示

Jet Powered Surfboard Parts Name & Icons

使用冲浪板前，请仔细阅读上列注意事项、安全须知，并务必遵守。若打开包装时发现产品在运输途中受损，请立即与经销商取得联系。除遵守操作说明外，还要遵守当地相关法律法规。Before you play the surfboard, please read carefully the attentions and safety notice mentioned above and comply with them. If you find the product is damaged during transportation once you open the packing box, please contact your dealer at once. Besides of the operation notes, you also need comply with your local laws and regulations.

发动机总成

Engine assembly



发动机保养 Attention

1. 严格按 30 比 1 的比例兑油（1 升汽油兑 30 毫升机油）。混合油当天用完，变质发红的混合油不可使用。（严禁使用纯汽油）

Strictly according to the proportion of 30 to 1 against the oil (1 liter gasoline / 30 ml of oil). Mix the oil run out in the day, metamorphic redness of mixed oil cannot be used. (it is forbidden to use pure gasoline)

2. 新机器不可高速使用，请低速磨合 3 小时（相当于 2 箱油的时间）

New machine cannot be used in high speed, low speed running in 3 hours, please (equivalent to 2 tanks)

3. 想让机器寿命更长，每使用半小时休息 10 分钟

Want to let the machine longer life, using every half hour to rest for 10 minutes.

4. 感觉机器震动异常，请立即停机检查，是否破损，松动，偏心。

The machine vibration is unusual, please stop the machine immediately to check, if damaged, loose, eccentric.

5. 每工作 50 小时清理火花塞、消音器积碳

Every work 50 hours cleaning the spark plug, muffler carbon deposition

6. 定期对化油器进行检查、清洗和保养，建议经验丰富的专业维修人员，切忌自行乱修乱调。

regular inspection on carburetor, cleaning and maintenance, suggested that experienced professional maintenance personnel, avoid by all means to disorderly disorderly adjustment.

出厂前化油器高速油针、低速油针均已调试妥当，切勿随意调整，以免导致故障发生（漏油、冒黑烟、供油不畅等）。

before delivery carburetor high speed, low oil oil needle have been debugging is in order and do not adjust, lest cause failure (oil, smoke, poor drainage, etc.).

清洗化油器时应当用清洁汽油或专用清洗剂浸泡、清洗，并用压缩空气吹干量孔等零件。

carburetor cleaning, ought to use clean gasoline or special detergent soak, cleaning, and compressed air to blow dry orifice and other parts.

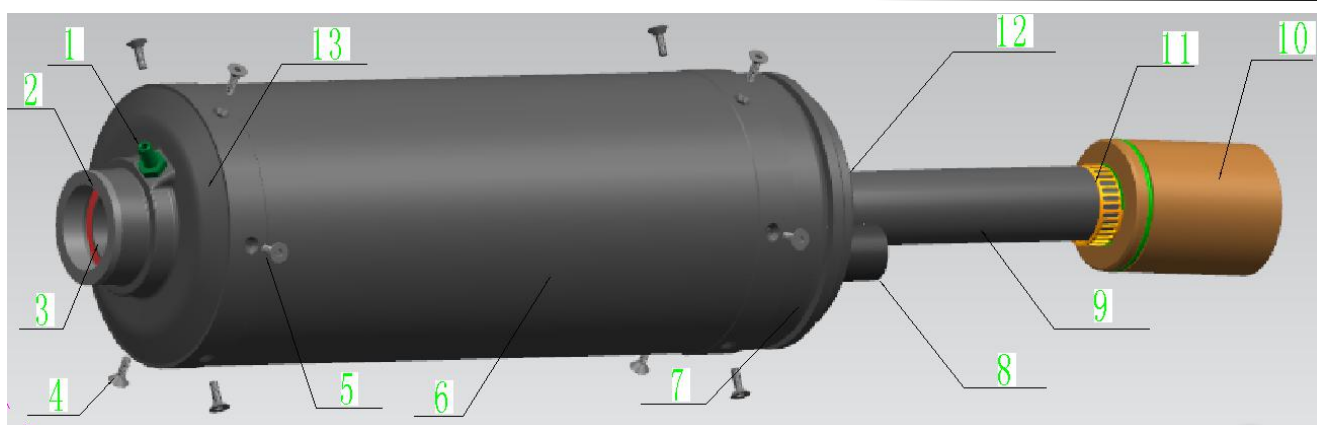
※发动机定期保养和维护会有效地延长发动机的使用寿命

If the engine is well maintained, it can be used for a long time.

※化油器调节方式（L点拧紧回调1圈；H点拧紧回调1.5圈）该款化油器出厂时以能满足大多数地区；如遇到温差较大、可适当调节化油器螺丝。

消声器组件

Muffler modul

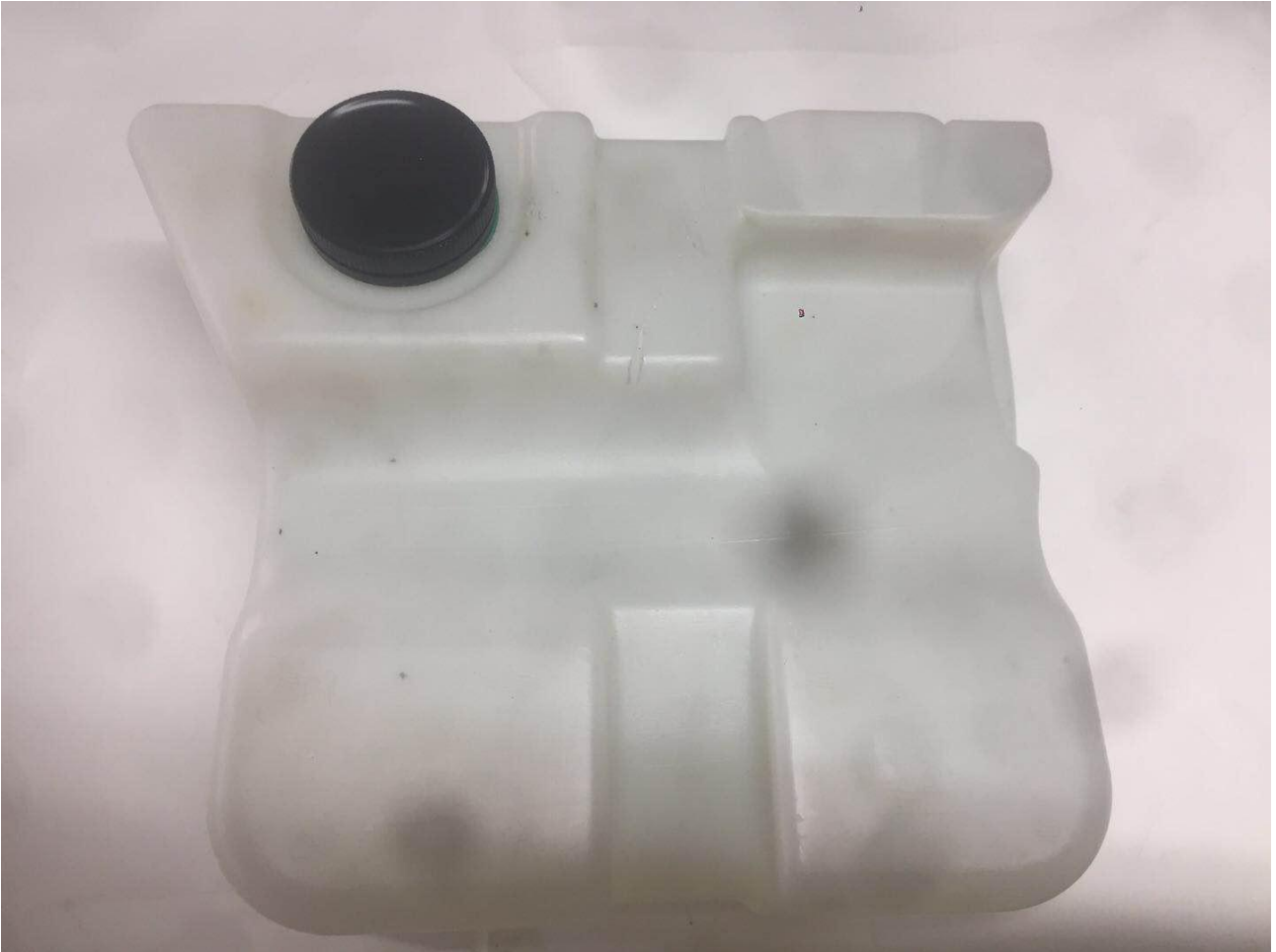


消声器保养 Attention

此款消音器采用合金制作而成；其尾部使用高强塑料制成的止回阀；在未有冷却水情况下请务必长时间使用发动机。

油箱组件

Fuel Tank Module

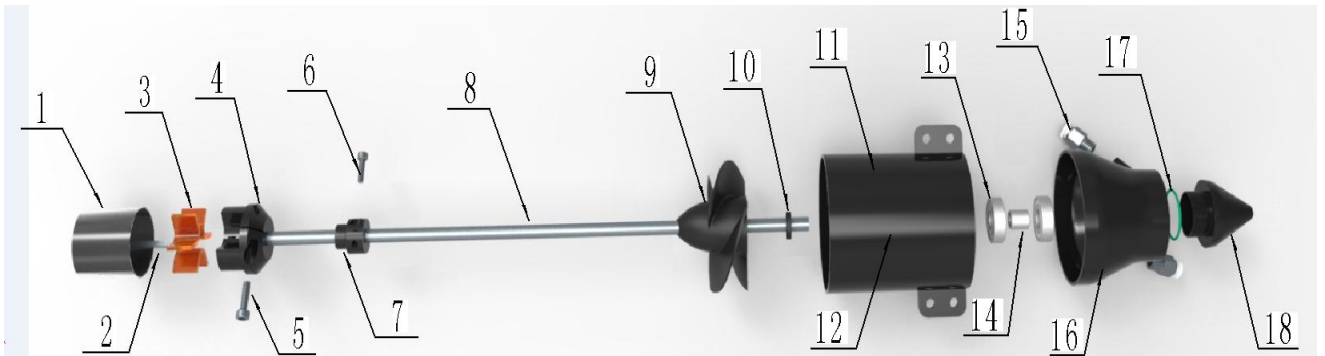


油箱保养 Attention

1. 油箱表面禁止用棉纱或其它绒毛物擦洗，用布清理较好。
the fuel tank surface swab with cotton, or other fluff, cloth clean is better.
2. 严禁杂质和固体物进入油箱、以免造成出油口堵塞
it is strictly prohibited and solid impurity into the oil outlet in oil tank, in order to avoid congestion
3. 加油完成后、应当立即拧紧油箱盖。
refueling is completed, should tighten the cap immediately
4. 严禁油箱及其附近出现火种。
it is strictly prohibited to fuel tank and its near the fire.
5. 机组大修期间，应对油箱全面清理、检查。
during the outage, deal with full tank cleaning and inspection.

喷泵组件

Jet Pump Module



喷泵保养 **Attention**

- ※ 喷泵总成是由铝合金制成, 使用时请注意岸边石子、杂草; 否则会造成叶轮及组件的损坏。
- ※ The jet pump kit is made of high-strength plastic. Please pay attention to the stones, weeds of the shore when using. Otherwise it may lead to the damage of impeller and module.

控制手柄

The Control Handle



手柄保养 **Attention**

※ Does start the engine, insert boot key, ignition timing for 5 s, such as the engine does not start, should stop ignition, 10 s rear can start again.

七、基本操作步骤

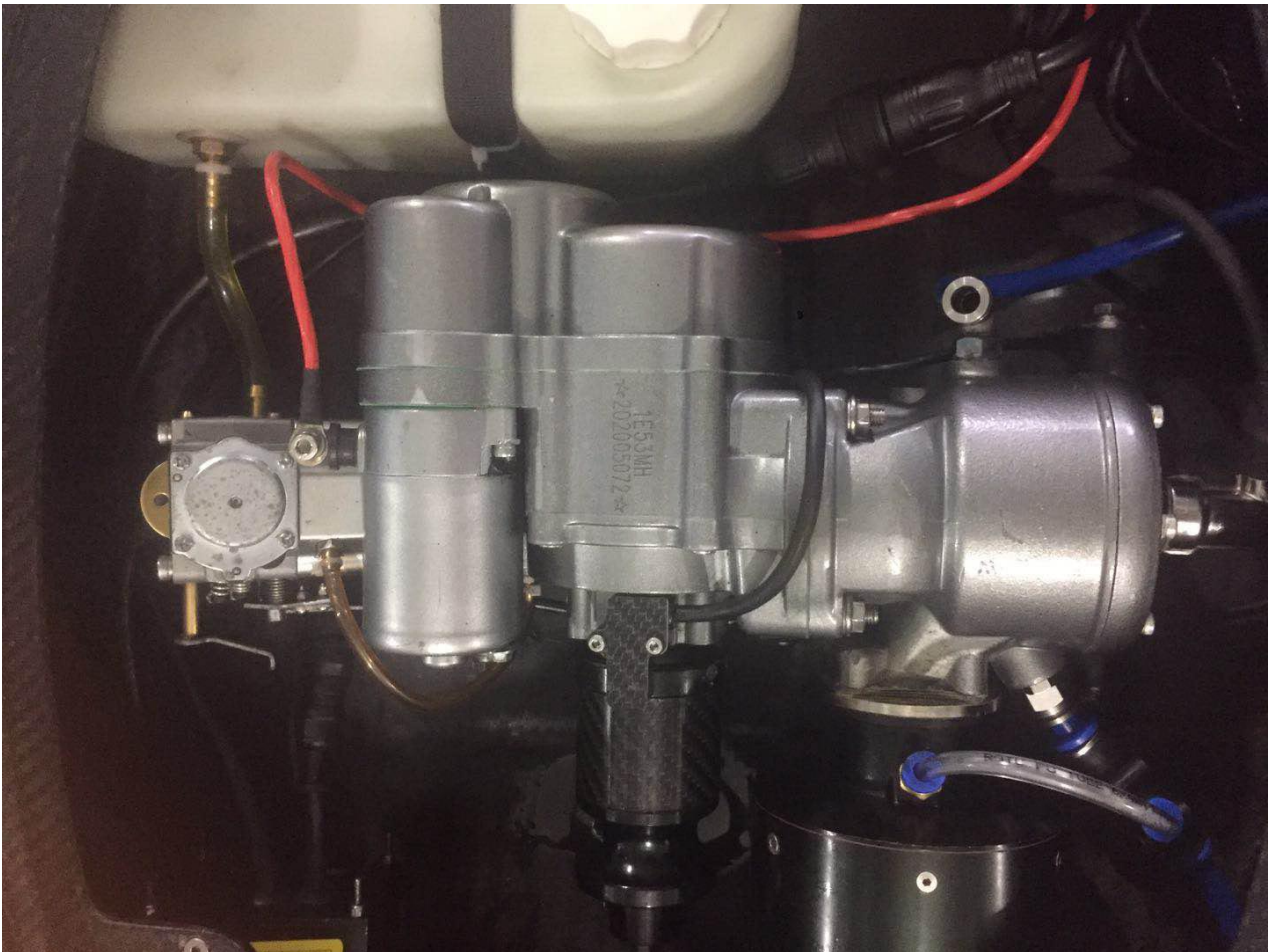
提高滑行水平是一个持续的过程，即使你有滑行其他水上滑板的经历，也需要花时间熟悉如何操作动力冲浪板。为了你自身安全，请勿在离岸边太远的地方练习动力冲浪板，除非你能十分熟练操控动力冲浪板

1. 安装尾鳍和侧鳍，首先装上尾鳍，注意检查冷却水管和推进器是否安装到位（注意：滑行冲浪板时，如果没有安装冷却软管，温度过高便会导致发动机和排气管严重损坏），接下来装上两个侧鳍。



2. 检查电源、燃油是否充足，检查冲浪板各配件及螺丝是否安装到位。

3. 接通白色电源，控制系统绿灯常亮说明正常。插入启动钥匙红灯常亮说明正常。信号灯闪烁说明电量过低，请及时充电。信号灯不亮说明接头线路错误或控制系统损坏。当我们在不使用时，把启动钥匙插入到（图 1）中，这样控制器就断开所有的电源。



1. 断电开关 2. 水泵排水口 3.

4. 关闭化油器阻风门板，油门控制杆按到底(最大油门)，插入启动钥匙(延迟 5 秒)，发动机便会自动启动，使油箱中的燃油泵入发动机中。(这个步骤需要重复 2-3 次，油箱的燃油才会泵入到发动机中。)听到发动机燃爆声后，发动机会富油熄火，拔出启动钥匙。开启阻风门板，松开油门手柄，插入启动钥匙(延迟 5 秒)，发动机便会怠速运转。如果启动不成功，重复上面的步骤。最多重复试 3 次要等几分钟再看情况。如果发生这样的情况，要先排除发动机和汽缸里面是否进水，初次使用发动机除外。如果启动发动机尝试了 3 次都启动不了，很有可能是淹缸了，此时便需要清洁发动机。



关闭状态

开启状态

清洁发动机步骤如下：

- ① 打开排水开关，见图 1 示。
- ② 拆下火花塞查看是否有淹缸，如果燃油把火花塞浸透了，把火花塞上面多余的燃油甩出，在把火花塞擦拭干。
- ③ 把火花塞安装到高压帽中（见图 3），注意把火花塞接触到发动机上面，避免损坏控制系统。再把启动钥匙插入手柄中，启动发动机时，注意查看火花塞是否有跳火花，没有跳火检查或更换传感器、点火器。
- ④ 如果气缸内部燃油较多，我们需要把冲浪板体（向气缸方向降低倾斜 45 度）重复启动发动机 2-3 次让多余的燃油排出来。
- ⑤ 把擦拭干净的火花塞，安装到发动机气缸上。注意：把排水开关安装好。
- ⑥ 打开阻风门板，插入启动钥匙直接启动发动机。
- ⑦ 如果还无法启动成功，请参阅（常见故障及排除方法）章节 27 页。

5. 当我们上岸休息不使用时，应该把启动钥匙插入断电开关装置。当超过 10 分钟以上不使用动力冲浪板，需再次下水时必须启动发动机，确保发动机可以正常启动。启动不成功重复步骤 4。延迟启动间隔时间可避免不必要的电池消耗或启动电机受损。

6. 油门控制杆控制着动力冲浪板的速度，请匀速加减油门。当松开油门控制杆时，自动弹回怠速状态。

7. 冲浪者握住控制手柄，启动钥匙应该戴在手腕上。这样做的好处是：如果冲浪者从动力冲浪板上摔倒或远离控制手柄，则启动钥匙从控制手柄脱落，发动机会立刻停止。为了防止启动意外，没有使用动力冲浪板的时候，请从控制手柄上拔出启动钥匙，插入到断电开关装置（见 20 页图 1 所示断电开关），确保你的动力冲浪板续航时间更长。

8. 安装冲浪板盖，首次使用时请在水中 对发动机进行中速磨合。磨合使用 10-20 分钟让发动机中速磨合达到最佳状态时再高速使用。

9. 注意：在使用前，用 WD-40 喷涂在发动机各零件部位。在海水中使用后，请一定要用淡

水清洗板体和发动机。清洗后，排出冲浪板内部的积水。这个时候发动机有可能已经进水，我们需要对发动机进行排水工作。（排水方法参阅：（发动机进水如何进水）章节 29 页。然后启动发动机让汽缸和排气管中的冷却水排出。用 WD-40 喷涂在整个发动机的表面，然后向化油器进气口内部注入适量 WD-40，防止内部零件生锈，再次启动发动机使 WD-40 更好的渗入曲轴箱内部零件。



10. 对刚刚使用完的冲浪板，请勿盖紧冲浪板仓盖。水蒸气会对发动机和电子设备造成永久损坏。
11. 超过 2 天不使用请切断电源，有利于延长电池寿命。
12. 运输发动机之前，请务必确保油箱是空的。

冲浪板 下水技能

浅滩下水：把冲浪板置于水深大于 50cm 的水域，站在冲浪板旁边，一只膝盖放在冲浪板上，握紧船体拉手。用另外一只手插入启动钥匙，当发动机启动后，根据自己的体重给予适当的油门，当冲浪板有足够的动力时操作者才能够上板滑行。

深水上板：你应该先在浅水区域练习，然后再去深水区域。当你在深水区域跌倒了或突然发动机停止时，不要马上重新爬上冲浪板。漂浮在冲浪板两侧面，握住手柄，插入启动钥匙，发动机启动后冲浪板有足够的动力时操作者才能翻爬到冲浪板的板面上（尽可能快速重新登上冲浪板，这有利于保持冲浪板船体内部干燥）。注意；；当我们在水里启动 2-3 次无法启动成功，请停止启动发动机，避免启动电机和其他零件损坏。这个时候发动机有可能已经进水，我们需要上岸进行排水处理后，才能继续正常使用冲浪板。

重要提示！

当你在熟悉了方向和油门后，使用冲浪板滑行时根据冲浪板的姿态调整重心，当冲浪板船体前端翘很高时，说明你的重心靠后，你需要把身体轻微向前倾，使重心向前移动。相反，当你重心靠前时，冲浪板底部与水的接触面积较大，在滑行中阻力上升，冲浪板速度不能达到最佳状态。

八、常见故障及排除方法

发动机故障及排除方法

Engine failure and the elimination method

故障部位 Failure part	故障现象 Failure appearance	原因 Cause	排除方法 Solutions
燃油供给系统（当发动机压缩压力、火花塞工作均正常） Fuel supply system (when the compression spark plug are normal)	发动机难启动或不启动 It's difficult to start up motor or can't start up the motor.	1、油箱通气孔阻塞 The tank ventilated hole is blocked	1、疏通各处阻塞处 Dredge the blocked place. 2、清理油箱、更换燃油 Clean the oil tank and replace the fuel oil.
		2、燃油过滤芯阻塞 The fuel filter core is blocked	
		3、燃油污染/变质 The fuel is contaminated	
	怠速不良、启动困难、启动加速放炮 The idling is bad, difficult to start up or accelerate starting up, with blasting.	1、化油器堵塞 The Carburettor is blocked.	1、清理化油器 Clean the Carburetor.
		2、混合比不正确 The mixing proportion is not correct.	2、调整混合比沉针 Adjust the needle of the mixing proportion.
		3、节气门（油门）磨损 The air throttle (oil throttle) is worn.	3、更换化油器 Replace Carburetor.
点火系统 Ignition system	火花弱或无火花 The spark is weak or without spark.	1、火花塞积碳或污垢 The spark plug has accumulated carbon or dirt.	1、清理积碳、污垢 Clean the accumulated carbon and dirt.
		2、火花塞间隙不当 The gap between the spark plugs is incorrect.	2、调整间隙 0.6-0.7 Adjust the gap to 0.6-0.7
		3、霍尔启动故障 Hall start-up failure	3、更换霍尔启动装置 Replace Hall start-up device
		4、控制器电池弱 The controller battery is weak.	4、及时充电 Please charge it in time.
缸体/缸盖 Cylinder body/ Cylinder cover	压力低、启动困难或低速时工作状态不良 动力不足 Low pressure, difficult start-up or bad operation or low power speed.	1、缸体活塞环损坏 The piston ring of the cylinder is damaged.	1、更换缸体活塞环 Change the cylinder body, Replace the piston ring..
		2、过多积碳堆积在缸盖活塞上 Too much accumulated carbons piles in the piston of cylinder cover.	3、清理积碳 Clean accumulated carbons.
	噪音大 Big noise	1、曲柄磨损 The crank is worn.	1、更改曲柄 Replace the crank.

		2、缸体活塞损坏 The cylinder piston is damaged.	2、更换缸体活塞 Replace the cylinder piston.
曲轴/曲轴箱 Crankshaft/ crankcase		3、活塞孔销与活塞销磨损 The piston pin and Piston pin hole are worn.	3、更换活塞和活塞销 Replace the piston and piston pin.
		4、曲柄小端轴承磨损 The small end bearing of the crank is worn.	4、更换轴承 Replace the bearing.
		5、曲柄大端轴承磨损 The large end bearing of the crank is worn.	5、更换轴承 Replace the bearing.
		6、曲柄弯曲 The crank bends	6、跟换曲轴总成 Replace the crank kits.
		7、曲柄主轴轴径与轴承磨损 The main shaft of the crank and the bearing are worn.	7、更换轴承 Replace the bearing.
电启动系统 Electric start-up system	启动马达运转缓慢 Start up the motor and the motor runs slowly.	1、电池电量不足 Insufficient battery power.	1、充电 Charge the battery.
		2、启动电机电缆连接不畅 The connection of start-up motor wire isn't smooth.	2、重新连接 Reconnect it.
		3、启动电机故障 Start-up motor failure.	3、检修或更换电机 Repair/Replace the motor.
	启动电机转动但是发动机不转动 Start up the motor but the motor can't rotate.	1、启动电机反转 Start up the motor but it reverses.	1、检修连接柱 Repair the wiring column.
		2、单向离合器故障 One-way clutch failure	2、检修/更换 Repair or replace it.
		3、传动机构故障 Transmission mechanism failure.	3、检修/更换 Repair or replace it.
		4、接线柱连接不正确 The connection of the wiring column is incorrect.	4、检修连接柱 Repair the wiring column.

消声器故障及排除方法

Common Failures & Solutions

故障部位 Failure parts	故障现象 Failure appearance	原因 Cause	排除方法 Solution
排气系统 Exhaust System	排气噪音过大 Too much Noise	1、消声器内芯折断 The inner core of muffler is broken.	更换/检修 Replace/repair
		2、消声器穿孔 The muffler has perforated	更换/检修 Replace/repair
	排气不良 Adverse exhaust	1、消声器阻塞 The muffler is blocked.	更换/检修 Replace/repair
	消声器发烫、炸裂 The muffler is heating to crack.	1、冷却水系统阻塞 The cooling water system is blocked.	更换/检修 Replace/repair
2、单向阀损坏 The one-way valve is damaged.		更换/检修 Replace/repair	

指示灯信息及故障排除方法

Indicator Information and Solutions

	灯光信息 Indicator information	指示/故障信息 Indication /Failure	排除方法 Solutions
指示灯 Indicator	长亮绿色 Always blue	正常使用 Normal	/
	红色闪烁	控制器电压低 The voltage of the controller is low	及时充电 Please charge it in time.
	长亮红色 Always red	控制器电压不足 Under voltage controller	更换电池. Replace the battery.

九、售后服务

After-Sales Service

当使用产品时有异常或您有疑难问题时，请联系当地经销商或与联系我们。

If you meet with any question during using the product, please contact the local dealer or contact us.

反映故障时，请提供您的姓名、地址、联系电话及产品型号、描述准确的故障现象，我们将以最快的速度为您服务。

When you respond the failure, please tell us your name, address, contact telephone and product

model, detailed description about the failure, we will serve you ASAP.

1. 保修卡: 请将保修卡和发票妥善保管; 当您需要咨询或维修时, 请联系当地经销商或我们。

Warranty card: Please take good care of your warranty card and purchasing invoice; when you need c

2. 保修期内产品出现故障, 如按照前述事项检查后仍无法排除时, 请联系当地经销商

When the product meets with failure within the warranty period, pls contact the local dealer or us. If you still can't solve the probonsult or repair, please contact the local dealer or contact us. lem according to the manual instructions as mentioned above.

3. 超过维修期, 需要维修服务时, 请联系当地经销商或与联系我们, 按规定进行有偿维修。

If the time exceeds the warranty period and you need the repairment, please contact the local dealer or contact us for repairing, and we need charge a certain fees.

4. 不予保修范围: Beyond Warranty Range:

- (1) 火花塞、电机等消耗品不再保修范围内
- (2) 私自改装、安排非原装部件或不按要求使用等人为因素造成的损坏的不予保修
- (3) 不按要求往汽油里添加润滑剂或使用了劣质润滑油, 造成发动机的不予保修。
- (4) 违规操作导致磨损, 因事故而造成的损坏, 吸入异物而造成的损坏不予保修

5. 特别声明: Special Declaration

1) 说明书的内容若有更改恕不另行通知

We must reserve the rights to change the content of the manual without the prior notification

2) 产品外观及规格如有改动, 以实物为准。

If its appearance and specifications have modification, please refer to the real product.

3) 说明书虽经过仔细校对, 仍有可能存在印刷错漏或内容上的误解, 本公司保留最终解释权。

Although the manual has been proofread, it still maybe exists the printing errors or misunderstanding in content, our company reserves the right of final explanation.

十、保修卡

Warranty Card

产品名称 Product name	动力冲浪板 Jet Powered surfboard		产品型号 Product Model		YFS110	
顾客详细资料 Customer	姓名 Name		年龄 Age		性别 Sex	
	电话 TEL		传真 Fax		手机 Mobile	
	地址 Address					
	网址 Website					
购买商家 Supplier	店名 Shop					
	地址 Address				电话 TEL	
购买日期 Purchasing date	年月日 Month / Day / Year					
备注描述 Remark						