



# Krash Industries Owner's Guide

## Introduction

Congratulations on having just purchased a high-performance freestyle/freeride PWC capable of performing at the highest level of competition. The best freestylers in the world chose and ride the Krash range of PWC's powered by the KV997 2-stroke power valve engine.

Here at Krash we realize that not everyone is a champion freestyler, but with the right equipment training and dedication most of us can become one.

So, if you are starting out or have been riding for a brief time then there are things you will probably need to know and do to get the most out of your Krash craft. At the same time keeping you and your fellow freestylers safe. Please remember freestyle jet skiing is a potentially dangerous extreme sport and can lead to serious injury and or death. It is the owner's responsibility to be capable in the use and maintenance of this high-performance watercraft. Always be prepared to maximise your personal safety and that of others comply with all local and national boating laws. Don't be a dickhead you will impress no one!

The purpose of this document is to outline some of the basic instructions and warnings before riding your Krash PWC. Read this guide carefully, and in its entirety, before beginning any operation of this watercraft.

## Basic Warnings

### First Use

1. Do not break in the engine in surf or competition. A breaking in video is available for viewing at <https://www.youtube.com/watch?v=z2aloJe-HHU&index=3&list=PLxoErvOZoIUu1NkbPZ7uPwQeioXBKWwgA>
2. Do not operate the Jet Ski more than 200 meters off shore for first 2 tanks of fuel
3. Run the Jet Ski at 30:1 fuel mixture ratio for first 20 litres of fuel then convert back to the recommended 40:1 fuel mixture ratio
4. Change spark plugs after the second tank of fuel is used
5. Check over nuts, bolts and hose clamps every 15 mins for first 2 tanks

## Routine Safety Checks

Before taking to the water get into the habit of running the following safety check.

1. If your ski has been stored or trailered with the hood closed and you are starting for the first time since storing it then remove the hood and allow any fuel vapours to dissipate.
2. Check the complete fuel system for leaks
3. If everything is in order start your ski out of the water and run it for no longer than 45 seconds (Your KV997 is water cooled and when it is run out of the water you could overheat the engine and cause severe damage)



4. Prior to entering the water familiarise yourself with the forecast weather conditions, check the local boating and safety laws and be sure you are compliant
5. Thoroughly check all safety equipment including your emergency toe line prior to entering the water. Check the operation of the steering system, the jet pump, the automatic bilge pump and if a scupper flap is fitted that it closes smoothly with water pressure. Check that all engine mounts are serviceable and that all engine bay components are securely located and working as designed
6. When you are carrying out your safety checks be sure to encourage your riding buddies to do the same that way you all can have fun as opposed to spending your valuable leisure time rescuing each other and spending the day working on the ski.

## General Use

1. Always start Jet Ski in an upright position. Do not rock Jet Ski on its side while in water or out
2. Always keep battery charged over 12.5 volts
3. Do not start and run with battery under 12.5 volts
4. Do not hold Jet Ski wide open for long periods in or out of the water
5. Do not idle Jet Ski for long periods in or out of water
6. Always use Premium Unleaded and high grade 2 stroke marine oil
7. Do not use Ethanol blended fuel
8. Do not tie down straps over graphics as can damage appearance of ski
9. Do not run the Jet Ski up shore line and start unit. This may cause pump failure
10. Always make sure pump is clear of sand, dirt, rocks or debris before starting engine
11. Do not tow Jet Ski over 5 knots
12. When your ski is sitting on the shore, crack the fuel tank cap to depressurize the tank. This will ensure that if the temperature rises significantly and your unit is in the sun, your tank will not pump fuel into your engine while it sits on the shore.

## Maintenance

1. At the completion of your ride, if you have been riding in salt water, then you will need to flush your engine with fresh water. Please go to [www.krashindustries.com/](http://www.krashindustries.com/). For flushing procedures.
2. Make sure to wash you engine and engine bay with fresh water, wash the pump and wash and shammy the hull.
3. To avoid condensation building up in your engine bay, while storing your Jet Ski make sure to leave a gap under the hood to create a free flow of air.
4. When storing your Jet Ski, keep the lanyard in the stop/start switch

## Water Ingestion

If water finds its way into your engine, its not the end of the world. If water does get into your engine and you do nothing about it then it probably is the end of the world. If your engine will not start because of water ingestion, then you **MUST** clear the water from your engine immediately once on land.



To check if you have water ingestion into your engine do the following

1. Remove the spark plugs using a spark plug wrench. Ground your spark plug leads, check there is no fuel in the bilge and there are no fuel leaks. With the lanyard removed turn the engine over and observe whether water is forced out of the spark plug holes.
2. If Jet Ski has water ingestion, clear within 2hrs and run engine whilst flushing or in water for over 15 mins
3. Engine must be running before fresh water flush can commence
4. Do not commence fresh water flush with engine turned off
5. For detailed instructions on how to deal with water ingestions please visit [www.krashindustries.com/](http://www.krashindustries.com/)

### Safety Warnings

1. Top professionals warm up prior to attempting more difficult manoeuvres. You should do the same. Take your time and build into your riding. Remember the racing mantra, *to finish first, first you must finish*.
2. Always wear an approved buoyancy jacket, a wetsuit, gloves and foot wear. Without exception the best freestylers in the world also wear an approved helmet.
3. Do not mix drugs or alcohol with freestyling.
4. Do not smoke close to an open bilge.
5. Do not smoke while refuelling.
6. Only refuel your craft in a designated refuelling zone.
7. Do not open the hood while in the water as you can be swamped by waves.
8. Ride to your ability. If you are just starting out ride with friends in flat enclosed waterways such as a bay, river, or lake. Riding in the surf is for experienced flat-water riders who are able to take their flat water experience and apply it to rough open water conditions.
9. Do not ride alone as you never know when you might need assistance to return to shore. This is not a car you just can't get out and walk.
10. Always carry a 12-14' toe line while riding.

### Additional Notes

You will see that the scupper flap on the port side stern of the craft has been sealed. Do not remove the seal unless you are a highly experienced rider who is familiar with how the scupper system works. When stationary the scupper will allow a small amount of water into the Bilge. If left stationary for an extended period of time the hull could fill with water even though there is an automatic bilge pump fitted.